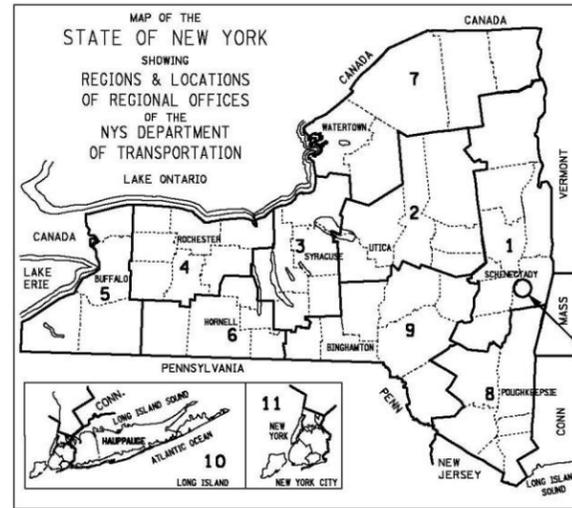


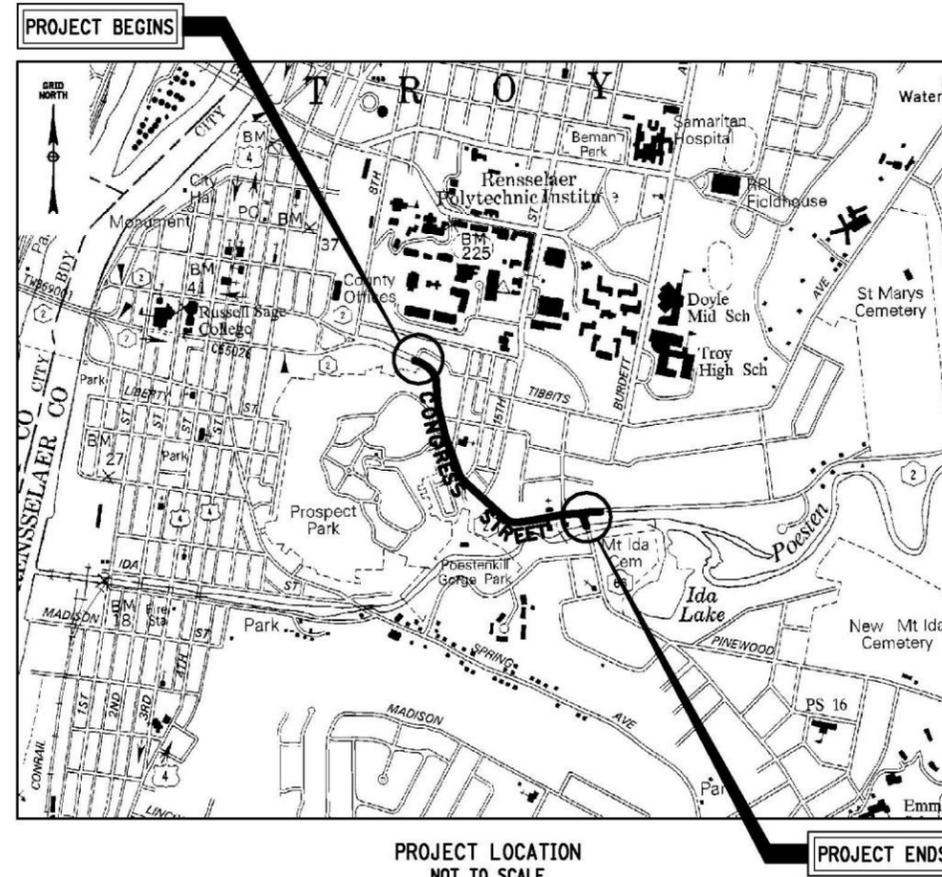
THE CITY OF TROY

CONGRESS STREET RECONSTRUCTION

JANUARY 10, 2011



PROJECT LOCATION



PROJECT LOCATION
NOT TO SCALE

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEETS UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (METRIC UNITS) OF MAY 4, 2006, EXCEPT AS MODIFIED ON THESE PLANS AND IN THE ITEMIZED PROPOSAL.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

PLANS PREPARED
AND RECOMMENDED BY:



RONALD J. LABERGE, P.E.
N.Y.S. CORPORATE P.E. LICENSE 123
LABERGE ENGINEERING AND CONSULTING GROUP, LTD. DATE 1/10/11



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CONGRESS ST - 11TH ST TO PAWLING AVE		
S.H. C65026		
N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66		
CITY OF TROY		RENSELAER COUNTY
FED. ROAD REG. NO.	STATE	SHEET NO.
1	N.Y.	1
FEDERAL AID PROJECT NO.		
CAPITAL PROJECT IDENTIFICATION NO. 1753.39		
INDEX ON SHEET NO. 4		

RECOMMENDED BY:

CITY ENGINEER, TROY DATE

APPROVED BY:

MAYOR, TROY DATE

DRAWINGS IN METRIC UNITS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
201.06	Clearing and Grubbing	L.S	1
202.19	Removal of Substructures	CM	340
203.02	Unclassified Excavation and Disposal	CM	12,000
203.03	Embankment in Place	CM	1,900
203.07	Select Granular Fill	CM	3,700
203.21	Select Structure Fill	CM	1,200
203.3312--17	Hand Scaling of Rock Slopes	CM	60
204.01	Controlled Low Strength Material (CLSM)	CM	100
205.0201	Segregation and Storage of Contaminated Soil (Location 1)	LS	1
205.0202	Segregation and Storage of Contaminated Soil (Location 2)	LS	1
205.0203	Segregation and Storage of Contaminated Soil (Location 3)	LS	1
205.0204	Segregation and Storage of Contaminated Soil (Location 4)	LS	1
205.0205	Segregation and Storage of Contaminated Soil (Location 5)	LS	1
205.0206	Segregation and Storage of Contaminated Soil (Location 6)	LS	1
205.0207	Segregation and Storage of Contaminated Soil (Location 7)	LS	1
205.03	Field Organic Vapor Monitoring of Contaminated Soil	HOURL	50
205.0401	Petroleum Contamination Parameter Analysis	EA	6
205.0406	Laboratory Analysis for Total Petroleum Hydrocarbons- Gasoline Range Organics	EA	14
205.0407	Laboratory Analysis for Total Petroleum Hydrocarbons- Diesel Range Organics	EA	14
205.050101	Disposal of Contaminated Hazardous Waste Soil (Location 1)	MT	35
205.050102	Disposal of Contaminated Hazardous Waste Soil (Location 2)	MT	30
205.050103	Disposal of Contaminated Hazardous Waste Soil (Location 3)	MT	40
205.050104	Disposal of Contaminated Hazardous Waste Soil (Location 4)	MT	8
205.050105	Disposal of Contaminated Hazardous Waste Soil (Location 5)	MT	16
205.050106	Disposal of Contaminated Hazardous Waste Soil (Location 6)	MT	19
205.050107	Disposal of Contaminated Hazardous Waste Soil (Location 7)	MT	46
205.050201	Disposal of Contaminated Non-Hazardous Waste Soil (Location 1)	MT	53
205.050202	Disposal of Contaminated Non-Hazardous Waste Soil (Location 2)	MT	44
205.050203	Disposal of Contaminated Non-Hazardous Waste Soil (Location 3)	MT	59
205.050204	Disposal of Contaminated Non-Hazardous Waste Soil (Location 4)	MT	12
205.050205	Disposal of Contaminated Non-Hazardous Waste Soil (Location 5)	MT	23
205.050206	Disposal of Contaminated Non-Hazardous Waste Soil (Location 6)	MT	28
205.050207	Disposal of Contaminated Non-Hazardous Waste Soil (Location 7)	MT	69
206.01	Structure Excavation	CM	3,600
206.02	Trench and Culvert Excavation	CM	12,800
206.03	Conduit Excavation and Backfill Including Surface Restoration	M	2,580
206.05	Test Pit Excavation	EA	20
206.07----03	Excavation for Archeological Monitoring and Data Recovery	LS	1
207.21	Geotextile Separation	SQM	400
207.22	Geotextile Drainage	SQM	4,300
207.26	Prefabricated Composite Structural Drain	SQM	60
209.1001	Mulkh - Temporary	SQM	2,500
209.13	Silt Fence - Temporary	M	200
209.1701	Drainage Structure Inlet Protection, Silt Fence - Temporary	M	220
209.1702	Drainage Structure Inlet Protection, Gravel Bag - Temporary	CM	30
304.12	Subbase Course, Type 2	CM	6,800
402.011902	Type 2 F9, Asphalt-Treated Permeable Base Course	MT	3,300
402.011912	Plant Production Quality Adjustment to 402.011902	QU	165
402.127202	12.5 mm F3 Superpave HMA Top Course 70 Series	MT	1,600
402.127212	Plant Production Quality Adjustment to 402.127202	QU	80
402.197902	19 mm F9 Superpave HMA Binder Course 70 Series	MT	2,460
402.197912	Plant Production Quality Adjustment to 402.197902	QU	123
402.377902	37.5 mm F9 Superpave HMA Base Course 70 Series	MT	5,200
402.377912	Plant Production Quality Adjustment to 402.377902	QU	260
407.0101	Tack coat	L	4,300
490.30	Miscellaneous Cold Milling of Bituminous Concrete	SQM	925
	Sawcutting Asphalt Pavement, Concrete Pavement and Asphalt		
520.5014--08	Overlay on Concrete Pavement	M	1,000
552.13	Temporary Steel Sheeting	SQM	315
552.16	Excavation Protection System	SQM	17,100
555.0104	Footings Concrete, Class A (No Concrete Class Substitutions Permitted, Except Class H Where Footing is 1 m Thick or Less)	CM	280
555.0105	Concrete for Structures, Class A	CM	320
556.0202	Epoxy-Coated Bar Reinforcement for Structures	KG	33,000
560.0401--08	Stone Veneer	SQM	650
560.07	Precast Concrete Coping	M	80
601.03----09	Integrally Colored Hot Applied Textured Polymer Wearing Surface - Coarse Aggregate Type F2 Conditions	SQM	410
603.9812	Smooth Interior Corrugated Polyethylene Culvert and Storm Drain Pipe (300 mm Dia.)	M	340
603.9815	Smooth Interior Corrugated Polyethylene Culvert and Storm Drain Pipe (375 mm Dia.)	M	135
603.9818	Smooth Interior Corrugated Polyethylene Culvert and Storm Drain Pipe (450 mm Dia.)	M	135
603.9824	Smooth Interior Corrugated Polyethylene Culvert and Storm Drain Pipe (600 mm Dia.)	M	175
603.9830	Smooth Interior Corrugated Polyethylene Culvert and Storm Drain Pipe (750 mm Dia.)	M	440

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
603.9836	Smooth Interior Corrugated Polyethylene Culvert and Storm Drain Pipe (900 mm Dia.)	M	360
603.9842	Smooth Interior Corrugated Polyethylene Culvert and Storm Drain Pipe (1050 mm Dia.)	M	60
603.9922--15	Polyvinyl Chloride Pipe, Sanitary Sewer, Gravity, 150 mm Dia.	M	320
603.9923--15	Polyvinyl Chloride Pipe, Sanitary Sewer, Gravity, 200 mm Dia.	M	780
603.9924--15	Polyvinyl Chloride Pipe, Sanitary Sewer, Gravity, 250 mm Dia.	M	15
603.9925--15	Polyvinyl Chloride Pipe, Sanitary Sewer, Gravity, 300 mm Dia.	M	30
603.9926--15	Polyvinyl Chloride Pipe, Sanitary Sewer, Gravity, 375 mm Dia.	M	50
603.9927--15	Polyvinyl Chloride Pipe, Sanitary Sewer, Gravity, 450 mm Dia.	M	25
604.070101	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070102	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070103	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070104	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070105	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070106	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070107	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070108	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070109	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070110	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070111	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070112	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070113	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070114	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070115	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070116	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.070117	Altering Drainage Structures, Leaching Basins and Manholes	EA	1
604.300211	Rectangular Drainage Structure, Type B for #11 Welded Frame	M	36
604.301072	Rectangular Drainage Structure, Type J for Cast Iron F2 Frame	M	49
604.301172	Rectangular Drainage Structure, Type K for Cast Iron F2 Frame	M	10
604.301772	Rectangular Drainage Structure, Type Q for Cast Iron F2 Frame	M	33
604.301873	Rectangular Drainage Structure, Type R for Cast Iron F3 Frame	M	7
604.4048	Round Precast Concrete Manhole Type 48	M	3
604.4060	Round Precast Concrete Manhole Type 60	M	3
604.4072	Round Precast Concrete Manhole Type 72	M	5
604.4084	Round Precast Concrete Manhole Type 84	M	3
605.1001	Underdrain Filter, Type II	CM	480
605.1701	Optional Underdrain Pipe, 100 mm Dia.	M	2,500
606.10	Box Beam Guide Railing	M	40
606.1201	Box Beam Guide Rail End Assembly, Type I	EA	2
606.63	Removing and Storing Box Beam Guide Railing	M	30
606.71	Removing and Disposing Corrugated Beam Guide Railing	M	100
606.73	Removing and Disposing Box Beam Guide Railing	M	35
607.3001	Optional Chain-Link Fence, Type I, with Top Rail, 1220 mm High	M	30
607.9401--11	Remove and Reinstall Wrought Iron Fence	LS	1
607.88----03	Repair and Reset Existing Fence Gate	EA	1
607.95----01	Ornamental Steel Picket Fence	M	150
607.96----08	Remove and Dispose of Existing Fence	M	90
607.97----08	Remove and Reset Existing Fence	M	50
608.0101	Concrete Sidewalks and Driveways	CM	630
608.020101	Asphalt Concrete Sidewalks, Driveways and Bicycle Paths	MT	150
608.020110	Plant Production Quality Adjustment to 608.020101	QU	8
608.05	Brick Paved Sidewalks and Driveways (Bituminous Setting Bed)	SQM	3,200
608.21	Embedded Detectable Warning Units	SQM	55
608.4001--01	Remove, Store and Reset Existing Walk (Stone Dust Setting Bed)	SQM	160
608.4001--08	Bluestone Sidewalk (Stone Dust Setting Bed)	SQM	40
609.0201	Stone Curb, Granite (Type A)	M	2,700
609.0901	Optional Curb (Precast Concrete Type PVF150 or Cast-In-Place Concrete Type VF150 or Granite Type C)	M	1
609.15	Resetting Existing Curb	M	150
610.0203	Establishing Turf	SQM	2,700
610.03	Establishing Wildflowers	SQM	1,700
611.010114	Planting Major Deciduous Tree Species, Balled & Burlapped (As Specified, See Contract Documents)	EA	34
611.020114	Planting Minor Deciduous Tree Species, Balled & Burlapped (As Specified, See Contract Documents)	EA	61
611.040113	Planting Deciduous Shrub Species, Container (As Specified, See Contract Documents)	EA	56
611.060113	Planting Vines and Ground Cover Species, Container (As Specified, See Contract Documents)	EA	92
613.02	Placing Topsoil - Type A	CM	220
614.0314	Tree Removal, up to 150 mm Diameter, Breast High Stump Grubbed	EA	1

CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
S.H. C65026	PS&E DATE: 1/10/11			ESTIMATE OF QUANTITIES	DRAWING NO. EQ-1 SHEET NO. 2
CITY OF TROY					
N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER					
DOCUMENT NAME: 175339AA_EQ.DGN					



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ITEM NO.	DESCRIPTION	UNIT	QUANTITY
614.0324	Tree Removal, over 150 mm to 300 mm Diameter, Breast High Stump	EA	18
614.0334	Tree Removal, over 300 mm to 450 mm Diameter, Breast High Stump	EA	9
614.0344	Tree Removal, over 450 mm to 600 mm Diameter, Breast High Stump	EA	2
615.04000101	Cast Iron Tree Grate w/ Frame- 1.2m x 1.5m	EA	78
615.0402--08	Tree/Vegetation Protection Barrier	M	340
615.0801--01	Bench, 1.8m	EA	5
615.6651--06	Reinforced Concrete Stairs, 1 Riser Unit	EA	19
615.6653--06	Reinforced Concrete Stairs, 3 Riser Unit	EA	2
615.6657--06	Reinforced Concrete Stairs, 7 Riser Unit	EA	2
615.6661--06	Reinforced Concrete Stairs, 11 Riser Unit	EA	1
615.6664--06	Reinforced Concrete Stairs, 14 Riser Unit	EA	2
615.6674--06	Reinforced Concrete Stairs, 24 Riser Unit	EA	1
615.6689--06	Reinforced Concrete Stairs, 39 Riser Unit	EA	1
615.8004--01	Steel Handrail	M	90
619.01	Basic Work Zone Traffic Control	LS	1
619.1701	Temporary Concrete Barrier	M	180
619.24	Nighttime Operations	LS	1
623.11	Crushed Gravel (In-Place Measure)	CM	650
625.01	Survey Operations	LS	1
625.05	Steel Pin and Cap Right-of-Way Markers	EA	30
625.06	Permanent Survey Markers	EA	2
632.15----17	Segmental Block Retaining Wall System	SQM	380
637.03	Concrete Cylinder Curing Box	EA	1
637.12	Engineer's Field Office - Type 2	MO	18
637.21	Mobile Telephone	DC	6,000
637.26	Rain Gauge	EA	1
637.34	Office Technology and Supplies	DC	13,500
640.10	White Paint Reflectorized Pavement Stripes, .38mm	M	175
640.25----10	Blue Reflectorized Pavement Marking Paint (Handicapped Parking)	M	45
645.5101	Ground-Mounted Sign Panels without Z-bars	SQM	6
645.5102	Ground-Mounted Sign Panels Less Than or Equal to 2.78 SQM with Z-bars	SQM	25
645.81	Type A Sign Posts	EA	52
645.830102	Type B Sign Post, Galvanized, S75x8.5 Section, Bi-Directional Breakaway Base	EA	4
647.01	Removal of Signs - Size A (0-1.0 SQM)	EA	55
647.0101--02	Remove and Dispose Commercial Sign Structure	EA	1
647.11	Relocating Signs - Size A (0-1.0 SQM)	EA	11
647.12	Relocating Signs - Size B (1.1-2.0 SQM)	EA	1
655.0705	Cast Frame F2, Unmountable Curb Box CU2 & Reticuline Grate G2	EA	43
655.0706	Cast Frame F3, Unmountable Curb Box CU3 & Reticuline Grate G3	EA	4
655.1111	Welded Frame & Reticuline Grate I1	EA	17
655.1201	Manhole Frame & Grate	EA	4
655.1202	Manhole Frame & Cover	EA	1
663.0106	Ductile Iron Cement Lined Water Pipe - 6 NPS	M	60
663.0108	Ductile Iron Cement Lined Water Pipe - 8 NPS	M	150
663.0112	Ductile Iron Cement Lined Water Pipe - 12 NPS	M	950
663.0120	Ductile Iron Cement Lined Water Pipe - 20 NPS	M	110
663.0603	Copper Water Service Pipe - 3/4 NPS	M	1,100
663.1006	Resilient Wedge Gate Valve and Valve Box - 6 NPS	EA	15
663.1008	Resilient Wedge Gate Valve and Valve Box - 8 NPS	EA	2
663.1012	Resilient Wedge Gate Valve and Valve Box - 12 NPS	EA	13
663.1020	Resilient Wedge Gate Valve and Valve Box - 20 NPS	EA	4
663.1301	Hydrant	EA	12
663.1806	Bolted Sleeve Type Coupling, 6 NPS	EA	1
663.1808	Bolted Sleeve Type Coupling, 8 NPS	EA	1
663.1812	Bolted Sleeve Type Coupling, 12 NPS	EA	1
663.2001	Iron Water Main Fittings (3 NPS - 8 NPS)	KG	800
663.2002	Iron Water Main Fittings (10 NPS - 16 NPS)	KG	6,600
663.2003	Iron Water Main Fittings (18 NPS and Larger)	KG	2,500
663.2503	Water Service Connection - 3/4 NPS	EA	100
663.33	Adjust Existing Valve Box Elevation	EA	11
663.40	Disconnect and Cap Existing Water Main	EA	1
663.46	Remove and Store Existing Hydrant	EA	14
664.4048--06	Precast Sanitary Sewer Manhole - 1220 mm Dia	M	5
670.0112	Foundation for Light Standard, 1.2 m Depth	EA	59
670.2602	Rigid Plastic Conduit, 2NPS	M	2,080
670.3010	Pullboxes, 0.22 CM to 0.28 CM Inside Volume - (Lighting)	EA	8
680.5001	Pole Excavation and Concrete Foundation	CM	24
680.5002	Concrete Base for Controller Cabinet	EA	2
680.510501	Pullbox - Rectangular, 650 mm x 450 mm, Reinforced Concrete	EA	17
680.51200108	Cast Aluminum Junction Box	EA	16
680.520103	Conduit, Metal, Steel, Zinc Coated, 1 NPS	M	20
680.520504	Conduit, Rigid Plastic, Class 1, 1 1/4 NPS	M	110
680.520506	Conduit, Rigid Plastic, Class 1, 2 NPS	M	395
680.520508	Conduit, Rigid Plastic, Class 1, 3 NPS	M	110
680.54	Inductance Loop Installation	M	450
680.602009	Traffic Signal Pole- Span Wire, 20 KN Load, 9m Length	EA	2
680.603009	Traffic Signal Pole- Span Wire, 30 KN Load, 9m Length	EA	2
680.625515	Traffic Signal Pole w/ Mast Arm, 15m Arm, 5.5m Height	EA	1

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
680.6724	Traffic Signal Pole, Post Top Mount, 2.4m Length	EA	5
680.6836	Traffic Signal Pole, Bracket Mount, 3.6m Length	EA	5
680.7002	Dual Span Wire Assembly with Upper Tether Wire	EA	2
680.7004	Messenger Assembly	M	125
680.700606	Riser Assembly, 2 NPS	EA	1
680.71	Shielded Lead-in Cable	M	1,350
680.72	Inductance Loop Wire	M	1,400
680.730514	Signal Cable, 5 Conductor, 14 AWG	M	1,900
680.731014	Signal Cable, 10 Conductor, 14 AWG	M	185
680.731914	Signal Cable, 19 Conductor, 14 AWG	M	25
680.750619	Shielded Communications Cable, 6 Pair, 19 AWG	M	265
680.77---01	Modify Traffic Signal Equipment	LS	1
680.79---01	Remove Traffic Signal Equipment	LS	1
680.80324708	Microcomputer Cabinet Base (Aluminum)	EA	2
680.80370501	Controller & Cabinet, 4 thru 8 Phase, Full Traffic Actuated (NEMA)	EA	3
680.810101	Traffic Signal Module, 300mm, Red Ball, LED	EA	20
680.810103	Traffic Signal Module, 300mm, Yellow Ball, LED	EA	20
680.810104	Traffic Signal Module, 300mm, Yellow Arrow, LED	EA	3
680.810105	Traffic Signal Module, 300mm, Green Ball, LED	EA	20
680.810106	Traffic Signal Module, 300mm, Green Arrow, LED	EA	3
680.810601	Traffic Signal Section, Polycarbonate, Type 1, 300mm	EA	66
680.8111	Traffic Signal Bracket Assembly - 1 Way	EA	12
680.8112	Traffic Signal Bracket Assembly - 2 Way	EA	4
680.813105	Ped. Signal Module- 300mm, Bi-Modal Hand/Man Symbols LED	EA	18
680.813106	Pedestrian Signal Section, Polycarbonate, 300mm, Type 1	EA	36
680.8141	Ped. Signal Bracket Mount Assembly	EA	13
680.8142	Ped. Signal Post Top Mount Assembly	EA	5
680.8150--10	Pedestrian Count-Down Timer Module	EA	18
680.8204	Overhead Sign Assembly, Type D	EA	8
680.8207	Overhead Sign Assembly, Type G	EA	1
680.8225	Pedestrian Push Button and Sign - without Post	EA	18
680.9092--01	Electric Meter Socket, 100A, Single Phase, 120V	EA	2
680.94---15	Rain Tight Disconnect Box	EA	2
680.95010615	Service Cable, 1 Conductor, No. 6 AWG	M	135
685.11	White Epoxy Reflectorized Pavement Stripes - 0.51 mm	M	2,200
685.12	Yellow Epoxy Reflectorized Pavement Stripes - 0.51 mm	M	2,300
688.01	White Preformed Reflectorized Pavement Stripes	M	1,700
688.02	Yellow Preformed Reflectorized Pavement Stripes	M	320
688.03	White Preformed Reflectorized Pavement Letters	EA	60
688.04	White Preformed Reflectorized Pavement Symbols	EA	16
697.03	Field Change Payment	DC	410,000
698.04	Asphalt Price Adjustment	DC	100
698.05	Fuel Price Adjustment	DC	100
698.06	Steel & Iron Price Adjustment	DC	100
699.040001	Mobilization (4%)	LS	1

CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
S.H. C65026	PS&E DATE: 1/10/11			ESTIMATE OF QUANTITIES	DRAWING NO. EQ-2 SHEET NO. 3
CITY OF TROY					
N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER					
DOCUMENT NAME: 175339AB_EQ.DGN					



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ALIGNMENT		TOPOGRAPHY (MISCELLANEOUS)	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AH	AHEAD	ABUT	ABUTMENT
AZ	AZIMUTH	AOBE	AS ORDERED BY ENGINEER
BK	BACK	ASPH	ASPHALT
B	BASELINE	BDY	BOUNDARY
BRG	BEARING	BLDG	BUILDING
C	CENTERLINE	BM	BENCH MARK
CS	CURVE TO SPIRAL	CC	CENTER TO CENTER
e	SUPERELEVATION RATE (CROSS SLOPE)	CONC	CONCRETE
EQ	EQUALITY	CONST	CONSTRUCTION
EXT	EXTERNAL	CR	COUNTY ROAD
HCL	HORIZONTAL CONTROL LINE	D	DEED DISTANCE
HSD	HEADLIGHT SIGHT DISTANCE	DM	DIRECT MEASUREMENT
L	LENGTH OF CIRCULAR CURVE	DWY	DRIVEWAY
LS	LENGTH OF SPIRAL	EP	EDGE OF PAVEMENT
LVC	LENGTH OF VERTICAL CURVE	ES	EDGE OF SHOULDER
E	CENTER CORRECTION OF VERTICAL CURVE	FEE	FEE ACQUISITION
M	MAIN LINE	FEE WD/A	FEE ACQUISITION WITHOUT ACCESS
PC	POINT OF CURVATURE	FP	FENCE POST
PI	POINT OF INTERSECTION	FD	FOUNDATION
POL	POINT ON LINE	FL	FENCE LINE
PSD	PASSING SIGHT DISTANCE	GAR	GARAGE
PT	POINT OF TANGENT	GR	GRAVEL
PVC	POINT OF VERTICAL CURVE	HO	HOUSE
PVI	POINT OF VERTICAL INTERSECTION	HWY	HIGHWAY
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE
R	RADIUS	MB	MAILBOX
SC	SPIRAL TO CURVE	MON	MONUMENT
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND
STA	STATION	O/H	OVERHEAD
T	TANGENT LENGTH	P	PARCEL
TGL	THEORETICAL GRADE LINE	PAV'T	PAVEMENT
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE
TOPOGRAPHY (DRAINAGE)		P	PROPERTY LINE
		POR	PORCH
		RR	RAILROAD
		RTE	ROUTE
		ROW	RIGHT OF WAY
		RW	RETAINING WALL
		SH	STATE HIGHWAY
		SHLDR	SHOULDER
		SPK	SPIKE
		ST	STREET
		STK	STAKE
		STY	STORY
		SW	SIDEWALK
		TE	TEMPORARY EASEMENT
		TO	TEMPORARY OCCUPANCY
U/G	UNDERGROUND		
WW	WING WALL		
BB	BOTTOM OF BANK (STREAM)		
BC	BOTTOM OF CURB		
BO	BOTTOM OF OPENING		
CAP	CORRUGATED ALUMINUM PIPE		
CB	CATCH BASIN		
CIP	CAST IRON PIPE		
C STRM	CENTERLINE OF STREAM		
CMP	CORRUGATED METAL PIPE		
CP	CONCRETE PIPE		
CSP	CORRUGATED STEEL PIPE		
CULV	CULVERT		
DIA	DIAMETER		
DMH	DRAINAGE MANHOLE		
DS	DRAINAGE STRUCTURE PIPE		
D'XING	DITCH CROSSING		
EHW	EXTREME HIGH WATER		
EL	ELEVATION		
ELEV	ELEVATION		
ELW	EXTREME LOW WATER		
ES	END SECTION		
HW	HEADWALL		
INV	INVERT		
MH	MANHOLE		
MHW	MEAN HIGH WATER		
OHW	ORDINARY HIGH WATER		
OLW	ORDINARY LOW WATER		
RCP	REINFORCED CONCRETE PIPE		
TB	TOP OF BANK (STREAM)		
TC	TOP OF CURB		
TG	TOP OF GRATE		
VCP	VITRIFIED CLAY PIPE		
SICPP	SMOOTH INTERIOR CORRUGATED PE		

TOPOGRAPHY (MISCELLANEOUS)		UTILITIES	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
ABUT	ABUTMENT	E	ELECTRIC
AOBE	AS ORDERED BY ENGINEER	EMH	ELECTRIC MANHOLE
ASPH	ASPHALT	G	GAS
BDY	BOUNDARY	GP	GUY POLE
BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
BM	BENCH MARK	GV	GAS VALVE (MAIN LINE)
CC	CENTER TO CENTER	HYD	HYDRANT
CONC	CONCRETE	LP	LIGHT POLE
CONST	CONSTRUCTION	LPG	LOW PRESSURE GAS
CR	COUNTY ROAD	PP	POWER POLE
D	DEED DISTANCE	SA	SANITARY SEWER
DM	DIRECT MEASUREMENT	SMH	SANITARY MANHOLE
DWY	DRIVEWAY	ST	STORM SEWER
EP	EDGE OF PAVEMENT	T	TELEPHONE
ES	EDGE OF SHOULDER	TCB	TRAFFIC CONTROL BOX
FEE	FEE ACQUISITION	TELBOX	TELEPHONE BOX
FEE WD/A	FEE ACQUISITION WITHOUT ACCESS	TEL P	TELEPHONE POLE
FP	FENCE POST	TMH	TELEPHONE MANHOLE
FD	FOUNDATION	CTV	CABLE TELEVISION
FL	FENCE LINE	W	WATER
GAR	GARAGE	WSB	WATER SERVICE BOX (HOUSE LINE)
GR	GRAVEL	WV	WATER VALVE (MAIN LINE)
HO	HOUSE	SUBSURFACE EXPLORATION	
HWY	HIGHWAY		
IP	IRON PIN OR IRON PIPE		
MB	MAILBOX		
MON	MONUMENT		
N&W	NAIL AND WASHER		
OG	ORIGINAL GROUND		
O/H	OVERHEAD		
P	PARCEL		
PAV'T	PAVEMENT		
PE	PERMANENT EASEMENT		
PED POLE	PEDESTRIAN POLE		
P	PROPERTY LINE		
POR	PORCH		
RR	RAILROAD		
RTE	ROUTE		
ROW	RIGHT OF WAY		
RW	RETAINING WALL		
SH	STATE HIGHWAY		
SHLDR	SHOULDER		
SPK	SPIKE		
ST	STREET		
STK	STAKE		
STY	STORY		
SW	SIDEWALK		
TE	TEMPORARY EASEMENT		
TO	TEMPORARY OCCUPANCY		
U/G	UNDERGROUND		
WW	WING WALL		

UTILITIES			
ABBR.	DESCRIPTION		
E	ELECTRIC		
EMH	ELECTRIC MANHOLE		
G	GAS		
GP	GUY POLE		
GSB	GAS SERVICE BOX (HOUSE LINE)		
GV	GAS VALVE (MAIN LINE)		
HYD	HYDRANT		
LP	LIGHT POLE		
LPG	LOW PRESSURE GAS		
PP	POWER POLE		
SA	SANITARY SEWER		
SMH	SANITARY MANHOLE		
ST	STORM SEWER		
T	TELEPHONE		
TCB	TRAFFIC CONTROL BOX		
TELBOX	TELEPHONE BOX		
TEL P	TELEPHONE POLE		
TMH	TELEPHONE MANHOLE		
CTV	CABLE TELEVISION		
W	WATER		
WSB	WATER SERVICE BOX (HOUSE LINE)		
WV	WATER VALVE (MAIN LINE)		
SUBSURFACE EXPLORATION			
		REPLACE ABBREVIATION "AB" WITH:	
		AH	HAND AUGER
		CP	CDNE PENETROMETER
		DA	60 mm CASED DRILL HOLE
		DM	DRILLING MUD
		DN	100 mm CASED DRILL HOLE
		FH	HOLLOW FLIGHT AUGER
		PA	POWER AUGER
		PH	PROBE
		PT	PERCOLATION TEST HOLE
		RP	25 mm SAMPLER (RETRACTABLE PLUG)
		TO BE DEFINED AT THE TIME OF EXPLORATION	
		SP	SEISMIC POINT
		TP	TEST PIT
ABBREVIATION "C" IN CATAGORIES: DA, DM, DN, AND FH WITH:			
B	BRIDGE		
C	CUT		
D	DAM		
F	FILL		
K	CULVERT		
W	WALL		
X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE		

STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT: ETIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)
m	M	METER
m ²	SQM	SQUARE METER
m ³	CM	CUBIC METER
km	KM	KILOMETER
ha	HA	HECTARE
kg	KG	KILOGRAM
† OR Mg*	MT	METRIC TON
L	L	LITER
* THE METRIC TON IS EQUIVALENT TO ONE MEGAGRAM (Mg)		

INDEX		TOTAL NUMBER OF SHEETS 159
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
1	TITLE SHEET	COVER
2-3	ESTIMATE OF QUANTITIES	EQ-1 TO EQ-2
4	INDEX AND ABBREVIATIONS	INDEX
5-6	LEGEND, LINE AND POINT SYMBOLOGY	L-1 TO L-2
7-10	TYPICAL SECTIONS	TS-1 TO TS-4
11	BASELINE TIES AND BENCHMARKS	BLT-1
12	GENERAL NOTES	GN-1
13	CONSTRUCTION SEQUENCING	CS-1
14-22	TRAFFIC CONTROL PLANS	TCP-1 TO TCP-9
23-24	PLAN AND TABLE OF HIGHWAY MAINTENANCE JURISDICTION	MJ-1 TO MJ-2
25-31	GENERAL PLANS	GP-1 TO GP-7
32-42	PROFILES	PR-1 TO PR-11
43-50	HORIZONTAL CONTROL PLANS AND TABLE	HCP-1 TO HCP-8
51-71	MISCELLANEOUS TABLES	MT-1 TO MT-21
72-75	DRAINAGE TABLES	DT-1 TO DT-4
76-82	MISCELLANEOUS DETAILS	MD-1 TO MD-7
83-88	TRAFFIC SIGNAL NOTES, QUANTITIES, DETAILS & PLANS	TSN-1, TSO-1, TSD-1, TSP-1, 2, 3
89-96	LIGHTING AND LANDSCAPING PLANS	LLP-1 TO LLP-8
97-104	SIGNING AND STRIPING PLANS	SSP-1 TO SSP-8
105-108	SIGN DATA SHEETS	SDS-1 TO SDS-4
109-115	UTILITY AND DRAINAGE PLANS	UDP-1 TO UDP-7
116-122	WATER MAIN PLANS	WP-1 TO WP-7
123-133	EROSION CONTROL PLANS	ECP-1 TO ECP-11
134-141	INTERSECTION GRADING PLANS	INT-1 TO INT-8
142	CHRISTIE STREET PARKING AREA PLAN	PRK-1
143-159	RETAINING WALL PLANS, PROFILES & DETAILS	RW-1 TO RW-16

STANDARD SHEETS				
M203-1	M606-5R1	M607-5	M619-70	M663-5
M203-2	M606-6	M607-6	M619-71	M663-6
M203-3R1	M606-7	M607-10	M619-72	M663-7
M203-4R1	M606-8R3	M607-11R1	M624-1R1	M664-1
M203-5	M606-9R2	M607-12	M625-1R1	M670-1
M204-1	M606-10R2	M608-4R1	M630-1	M670-2
M209-1R1	M606-12	M608-6	M632-1R1	M670-3R2
M209-2R1	M606-14	M608-7R1	M632-2R1	M680-1R1
M209-3R1	M606-15R1	M608-8	M632-3	M680-2R2
M209-4R1	M606-16R1	M608-9	M632-4	M680-3R3
M209-5R1	M606-17	M608-10	M645-20	M680-4
M209-6R1	M606-18	M608-11	M645-21	M680-5
M209-7R1	M606-19	M608-12	M645-22R1	M680-6
M209-9R1	M606-20R1	M608-13	M645-23R1	M680-7
M212-9	M606-21R1	M609-2R1	M645-24	M680-8R3
M212-10	M606-22R1	M609-3R1	M645-25R1	M680-9
M402-1R1	M606-25	M609-4R1	M645-50R1	M680-10
M502-1	M606-26R1	M611-1	M645-51	M680-12
M502-11	M606-27R1	M619-4R2	M645-52R2	M680-13R2
M502-12	M606-28R1	M619-5R2	M645-55R1	M680-14R1
M502-13	M606-29R1	M619-8	M645-56R1	M680-15R1
M502-14	M606-30R1	M619-10	M645-70R1	M680-16
M502-15	M606-32	M619-11	M645-72	M680-17
M502-16	M606-33	M619-12	M645-73	M680-23
M502-17	M606-34	M619-13	M645-76R1	M685-1R1
M502-18	M606-35	M619-20	M645-80R1	M685-2R3
M502-19	M606-36	M619-21	M646-4	M685-3R2
M502-20	M606-37	M619-22	M646-5	M685-4R2
M502-21	M606-38	M619-23	M646-11	M685-5R1
M502-22	M606-39	M619-24	M646-12	
M502-23	M606-40	M619-30	M646-13	
M502-24	M606-41	M619-31	M646-14	
M603-1R1	M606-42	M619-32	M646-15	
M603-3R1	M606-43	M619-33	M649-01	
M603-4	M606-44	M619-34	M655-6	
M603-5	M606-45	M619-40	M655-8R3	
M603-6	M606-50	M619-41	M655-9R2	
M604-1	M606-51	M619-50	M655-10R2	
M604-5R2	M606-52	M619-51	M655-11R2	
M604-6R1	M606-53	M619-60	M655-12R1	
M604-7	M606-54	M619-61	M655-13R2	
M604-8R1	M606-55R1	M619-62	M655-14	
M605-1	M606-56	M619-63	M663-1R1	
M606-1R2	M606-57	M619-64	M663-2	
M606-2R2	M606-58	M619-65	M663-3	
M606-4	M607-2	M619-66	M663-4	

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CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 175339	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
S.H. C65026	PS&E DATE: 1/10/11			INDEX AND ABBREVIATIONS	DRAWING NO. INDEX SHEET NO. 4
CITY OF TROY					
N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER					
DOCUMENT NAME: 175339AA_IND.DGN					

ALIGNMENT			LANDSCAPE			ROADWAY			UTILITIES		
STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION
	AC	CONTROL (CENTERLINE)		LABL	AREA, BRUSH LINE		RG	GUIDE RAIL, MISCELLANEOUS		UC	CONDUIT, UNDERGROUND
	AD_P	DETOUR		LAHR	AREA, HEDGE ROW		RGB	GUIDE RAIL, BOX BEAM		UCH	CONDUIT, HANGING
	AT_P	TRANSITION CONTROL		LAPB	AREA, PLANTING BED		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN		UCO	CONDUIT, OVERHEAD
BRIDGE				LAWA	AREA, WOODED AREA OUTLINE		RGCB	GUIDE RAIL, CABLE		UE	ELECTRIC LINE, UNDERGROUND
	BR	RAIL		LAWC	AREA, WATERS EDGE		RGCB	GUIDE RAIL, CONCRETE BARRIER		UEH	ELECTRIC LINE, HANGING
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RGP_P	GUIDE POST		UEO	ELECTRIC LINE, OVERHEAD
CONTROL				LFILL_P	FILL LIMIT		RGW	GUIDE RAIL, W BEAM		UETO	ELECTRIC TRANSMISSION, OVERHEAD
	CB	BASELINE		LFNC	FENCE		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UESS	ELECTRIC, SUBSTATIONS
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RPB	PARKING BUMPER		UFO	FIBER OPTIC, UNDERGROUND
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RRC	RAIL ROAD, CATENARY		UFOH	FIBER OPTIC, HANGING
	DCP	CULVERT PIPE		LWH	WALL, H PILE		RRER	RAIL ROAD, 3RD RAIL		UFOO	FIBER OPTIC, OVERHEAD
	DCP_P	CULVERT PIPE (DIR)		LWR	WALL, RETAINING		RRPLS_P	RAIL, PHOTO, LARGE SCALE		UG	GAS, UNDERGROUND
	DDG_P	DITCH, GRASS LINED		LWS	WALL, STONE		RRPSS	RAIL, PHOTO, SMALL SCALE		UGH	GAS, HANGING
	DDP_P	DITCH, PAVED INVERT	ROW MAPPING				RRS	RUMBLE STRIP		UGO	GAS, OVERHEAD
	DDS_P	DITCH, STONE LINED		MDL	DEED LINE		RRSL_S_P	RAIL, SURVEY, LARGE SCALE		UIC	INFORM CABLE, UNDERGROUND
	DFL_P	FLOW LINE		MEE	EASEMENT, EXISTING		RRSS_S	RAIL, SURVEY, SMALL SCALE		UICH	INFORM CABLE, HANGING
	DSSD	SLOTTED DRAIN		MEP_P	EASEMENT, PERMANENT					UD	OIL LINE, UNDERGROUND
ENVIRONMENTAL				MEPA_P	EASEMENT, PERMANENT, APPROX.	STRIPING				UDH	OIL LINE, HANGING
	EBLHS	BALE, HAY/STRAW		MET_P	EASEMENT, TEMPORARY		STB*	BROKEN LINE		UPBP	POLE, BRACE, PUSH BRACE
	ECT	CURTAIN, TURBIDITY		META_P	EASEMENT, TEMPORARY, APPROX.		STDB*	DOUBLE BROKEN LINE		UPBW	POLE, GUY WIRE
	EDMC	DAM, COFFER TYPE		MF_P	FEE ACQUISITION, W/ ACCESS		STD*	DOTTED LINE LONG		USA	SANITARY SEWER, UNDERGROUND
	EDMC_P	DAM, EARTHEN, CHECK		MFA_P	FEE ACQUISITION, APPROXIMATE		STDS*	DOTTED LINE SHORT		USAH	SANITARY SEWER, HANGING
	EDMPC_P	DAM, PREFAB, CHECK		MFS_P	FEE ACQUISITION, SHAPE		STFB*	FULL BARRIER LINE		USAF	SANITARY SEWER, FORCE MAIN, UGND
	EDMSC_P	DAM, STONE, CHECK		MFWOA_P	FEE ACQUISITION, W/O ACCESS		STH*	HATCH LINE		USAFH	SANITARY SEWER, FORCE MAIN, HANG
	EFNS	FENCE, SILT		MHB	HIGHWAY BOUNDARY		STPB*	PARTIAL BARRIER LINE		UT	TELEPHONE, UNDERGROUND
	EFNSV	FENCE, SILT & VEGETATION		MHBA	HIGHWAY BOUNDARY, APPROX.		STRCT	ROUNDABOUT, CAT TRACKS		UTH	TELEPHONE, HANGING
	EFNV	FENCE, VEGETATION		MHBW	HWY BOUNDARY, FACE OF WALL		STRYL	ROUNDABOUT, YIELD LINE		UTO	TELEPHONE, OVERHEAD
	EWAA_P	WETLAND, ADJACENT AREA		MHBWOA	HIGHWAY BOUNDARY, W/D ACCESS		STSB	STOP BAR		UTV	CABLE TV, UNDERGROUND
	EWF	WETLAND, FEDERAL		MJC	JURISDICTION, CITY		STSE	SOLID, EDGE		UTVH	CABLE TV, HANGING
	EWFS	WETLAND, FEDERAL AND STATE		MJCY	JURISDICTION, COUNTY		STXL*	X WALK, LADDER LINE		UTVO	CABLE TV, OVERHEAD
	EWM	WETLAND, MITIGATION AREA		MJHD	JURISDICTION, HISTORIC DISTRICT	TRAFFIC CONTROL				UUU	UNKNOWN, UNDERGROUND
	EWS	WETLAND, STATE		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		TCSW	SIGNAL, SPAN WIRE		UUH	UNKNOWN, HANGING
SIGNS				MJN	JURISDICTION, NATION	TRAFFIC MAINTENANCE				OUU	UNKNOWN, OVERHEAD
	SBLB	BILLBOARDS		MJPB	JURISDICTION, PUBLIC LANDS		W	WATER LINE, UNDERGROUND		UWH	WATER LINE, HANGING
	SM	MULTIPLE POST		MJS	JURISDICTION, STATE		OW	WATER LINE, OVERHEAD		TMBCD_P	BARRICADES
	SSD	STRUCTURE, OVERHEAD		MJT	JURISDICTION, TOWN		TMBCDL_P	BARRICADES, LIGHTED		TMBT_P	BARRIER, TEMPORARY
	SSOC	STRUCTURE, OVHD. CANTILEVER		MJV	JURISDICTION, VILLAGE		TMBTL_P	BARRIER, TEMPORARY, LIGHTED		TMDB_P	DEVICE, BARRELS
				MPL	PROPERTY LOT LINE		TMDBL_P	DEVICE, BARRELS, LIGHTED		TMDC_P	DEVICE, CONES
				MPLA	PROPERTY LOT LINE, APPROXIMATE						
				MSL	SUB LOT LINE						

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.40 MM ON B SIZE DRAWINGS).
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.



CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
S.H. C65026	PS&E DATE: 1/10/11			LEGEND LINE SYMBOLOGY	DRAWING NO. L-1 SHEET NO. 5
CITY OF TROY					
N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER					
DOCUMENT NAME: 175339AA_LEG.DGN					

ALIGNMENT			BRIDGE			ROADWAY			ITS			UTILITIES			ROW MAPPING		
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION
⊙	ACC	CENTER OF CURVATURE	□	BSC	BRIDGE, SCUPPER	⊙	RES P	ELEVATION, SPOT	⊙	IANT P	ANTENNAS	⊙	UEB	ELECTRIC, BOX	⊙	MDL1P	DEED LINE, TYPE 1
+	ACOGD	COGO	DRAINAGE			⊗	RGA	GUIDE RAIL, ANCHOR	⊗	IASCTS	ACCOU. SPEED/COUNT SNSR.S	⊗	UEM	ELECTRIC, METER	⊗	MDL2P	DEED LINE, TYPE 2
⊙	ACS	CURVE TO SPIRAL				⊙	RGP	GUIDE POST, SINGLE	⊗	ICABPAD	CABINET & PAD	⊗	UEMH	ELECTRIC, MANHOLE	⊗	MDL3P	DEED LINE, TYPE 3
△	ADPI_P	DETOUR, POINT OF INTERSECT.	+	DINV	INVERT	SIGNS			⊗	ICCTV	CCTV SITE	⊗	UEPT	ELECTRIC, POLE, TRANS.	⊗	MDL4P	DEED LINE, TYPE 4
⊙	ADPL_P	DETOUR, POINT ON LINE	⊗	DS	STRUCTURE, RECTANGULAR				⊙	S	SINGLE POST	⊗	ICDPD	CDPD TRANSCEIVER	⊗	UGM	GAS, METER
⊙	AEQN	EQUATION	+	DSI	STRUCTURE, INVERT	⊙	S P	SINGLE POST, PROPOSED	⊗	ICELLT	CELL PHONE TOWER	⊗	UGMH	GAS, MANHOLE	⊗	MEEP	EASEMENT, EXISTING
⊙	AEQNAHD	EQUATION AHEAD	⊗	DSM	STRUCTURE, MANHOLE	⊙	SB P	BACK TO BACK, PROPOSED	⊗	ICJB	CONDUIT JACK OR BORING	⊗	UGLM	GAS, LINE MARKER	⊗	MEPAP_P	EASEMENT, PERM., APPROX.
⊙	AEQNBK	EQUATION BACK	⊗	DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96	⊙	SDEL	DELINEATORS	⊗	ICNTLCAB	CONTROLLER CABINET	⊗	UGP	GAS/FUEL PUMP	⊗	MEPP_P	EASEMENT, PERM., BACK LINE
⊙	AEVT	EVENT STATION	⊗	DSR	STRUCTURE, ROUND	⊙	SPM	PARKING METER	⊗	ICPB	COMMUNICATION PULL BOX	⊗	UGV	GAS, VALVE	⊗	MEPSP_P	EASEMENT, PERM., SHAPE
⊙	APC	POINT OF CURVATURE	⊗	DST"X" P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R	⊙	SRM	REFERENCE MARKERS	⊗	ICTD	CONDUIT TURNING DOWN	⊗	UGVT	GAS, VENT	⊗	MFAP_P	FEE ACQUISITION, APPROX.
⊙	APCC	POINT OF COMPOUND CURVATURE	⊗	DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U	⊙	SRSC3	SHLD, CTY, 123 DIG.	⊗	ICTU	CONDUIT TURNING UP	⊗	ULP	LIGHTING, POLE	⊗	MFP_P	FEE ACQUISITION, BACK LINE
△	API	POINT OF INTERSECTION	ENVIRONMENTAL			⊙	SRSC4	SHLD, CTY, 4 DIG.	⊗	ICVTRT	COMM. VEH. ROAD TRANSCVR.	⊗	ULPM	LIGHTING, POLE, MEDIAN	⊗	MFSP_P	FEE ACQUISITION, SHAPE
△	APDB	POINT OF BEGINNING				⊙	SRSCT2	SHLD, CTY TOUR, 1-2 DIG.	⊗	IDEFAULT	DEFAULT	⊗	IEZR	EZ-PASS READER	⊗	ULPP	LIGHTING, POLE, PED.
⊙	APOC	POINT OF CURVATURE	⊙	SRSCT4	SHLD, CTY TOUR, 3-4 DIG.	⊙	SRSI	SHLD, INTERSTATE	⊗	IEZTR	TRANSMITTAL READER	⊗	UMFC	MISC. FILLER CAP	⊗	MHBCP	HISTORICAL, BLDG. CORNERS
△	APOE	POINT OF END	⊙	SRSN2	SHLD, NATIONAL, 2 DIG.	⊙	SRSN3	SHLD, NATIONAL, 3 DIG.	⊗	IFUSSPL	FUSION SPLICE	⊗	UOLM	OIL, LINE MARKER	⊗	MHBP	HIGHWAY BNDRY, PT.
⊙	APOL	POINT ON LINE	⊙	SRS2	SHLD, STATE, 2 DIG.	⊙	SRS3	SHLD, STATE, 3 DIG.	⊗	IHARADV	HAR ADVISORY SIGN	⊗	UP	POLE, WITH UTILITY	⊗	MJCP	PT., JURIS. CITY
⊙	APOS	POINT ON SPIRAL	⊙	SRS3	SHLD, STATE, 3 DIG.	⊙	SRS4	SHLD, STATE, 4 DIG.	⊗	IHARST	HAR SITE	⊗	UPD	POLE, DEAD (NO UTILITY)	⊗	MPBC	PT., BUILDING CORNER
⊙	APOT	POINT ON TANGENT	⊙	SRS4	SHLD, STATE, 4 DIG.	TRAFFIC			⊗	IMECSPL	MECHANICAL SPLICE	⊗	UPL	POLE, WITH LIGHT	⊗	MPCC	PT., CROSS CUT
△	APOVC	POINT ON VERTICAL CURVE	⊙	SRS5	SHLD, STATE, 5 DIG.				⊙	TCBJ	BOX, JUNCTION	⊗	ILC	LOAD CENTER	⊗	USMH	SANITARY SEWER MANHOLE
△	APOVT	POINT ON VERTICAL TANGENT	⊙	TCBP	BOX, PULL BOX	⊙	TCBS	BOX, SPLICE	⊗	IMSCS	PORT. SPEED & COUNT SENS	⊗	UTB	TELEPHONE, BOOTH	⊗	MPF	PT., FENCE LOCATION
Y	APORC	POINT ON REVERSE CURVE	⊙	TCMC	MICROCOMPUTER CABINET	⊙	TCPP	PED POLE	⊗	IMSCS	PORT. SPEED & COUNT SENS	⊗	UTLM	TELEPHONE, LINE MARKER	⊗	MPIP	PT., IRON PIPE
⊙	APT	POINT OF TANGENCY	⊙	TCSP	SIGNAL POLE	⊙	TCSH	SIGNAL HEADS	⊗	IMT	MICROWAVE TRANMCEIVER	⊗	UTMH	TELEPHONE, MANHOLE	⊗	MPIR	PT., IRON ROD
⊙	APVC	POINT OF VERTICAL CURVATURE	⊙	TCSP	SIGNAL POLE	⊙	TCSP	SIGNAL POLE	⊗	IPVMS	PERM. VMS	⊗	UTVLM	CABLE TV, LINE MARKER	⊗	MPM	PT., MONUMENT
△	APVCC	POINT OF VERT. CMPND CURVE	GEOTECHNICAL			⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UTVPB	CABLE TV, PULL BOX	⊗	MPMM	PT., MONUMENT, MISC.
⊙	APVI	POINT OF VERT. INTERSECTION				⊙	GDH	DRILL HOLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX
△	APVRC	POINT OF VERT. REVERSE CURVE	LANDSCAPE			⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPRS	PT., RAILROAD SPIKE
⊙	APVT	POINT OF VERTICAL TANGENCY				⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX
⊙	ASC	SPIRAL TO CURVE	CELL	NAME	DESCRIPTION	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPS	PT., SPIKE
△	ASPI	SPIRAL POINT OF INTERSECTION	+	LELS	ELEVATION, SPOT	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPST	PT., STAKE
⊙	ASTS	SPIRAL TO SPIRAL	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPTW	PT., TREE W/ WIRE
⊙	AST	SPIRAL TO TANGENT	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
⊙	ATS	TANGENT TO SPIRAL	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
△	AVEVT	VERTICAL EVENT POINT	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
⊙	AVHIGH	VERTICAL HIGH POINT	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
⊙	AVLOW	VERTICAL LOW POINT	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
CONTROL			⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
			⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
△	CBP	BASELINE, POINT	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
⊙	CBPDL	BASELINE, POINT ON LINE	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
⊙	CBSP	BASELINE, SPUR POINT	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
⊙	CBTP	BASELINE, TIE POINT	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
⊙	CPBM	BENCHMARK	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
⊙	CPH	POINT, HORIZ. PHOTOGRAMMETRY	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
⊙	CPSM	POINT, SURVEY MARKER, PERM.	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION
⊙	CPSV	POINT, VERT., PHOTOGRAMMETRY	⊙	LFP	FLAG POLE	⊙	IRWIS	RDWY WEATHER INFO. SNSR.	⊗	IPVMS	PERM. VMS	⊗	UUB	UNKNOWN, BOX	⊗	MPWL	PT., WALL LOCATION

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).
2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).
3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.

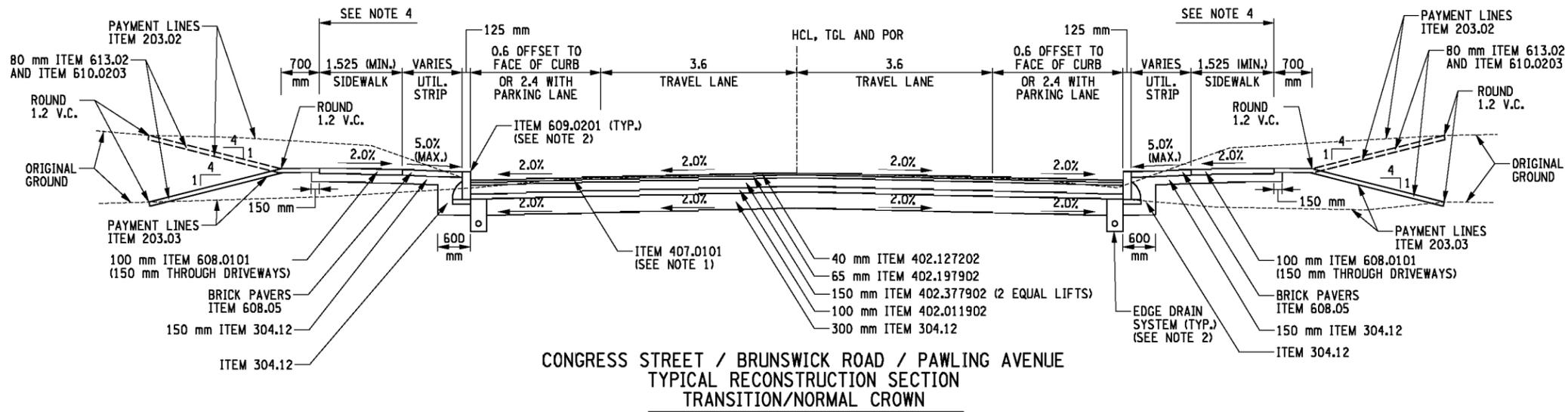
4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.40 mm ON B SIZE DRAWINGS).
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.
6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

ROW ACQUISITION		
⊙	MFS_P.T	FEE ACQUISITION
⊙	MEPS_P.T	EASEMENT, PERMANENT
⊙	METS_P.T	EASEMENT, TEMPORARY
⊙	METS_P.T	OCCUPANCY, TEMPORARY
⊙	MFS_P.T	FEE ACQUISITION W/O ACCESS

CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY		LEGEND POINT SYMBOLOGY	DRAWING NO. L-2 SHEET NO. 6
CITY OF TROY					
N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER					
DOCUMENT NAME: 175339AB_LEG.DGN					

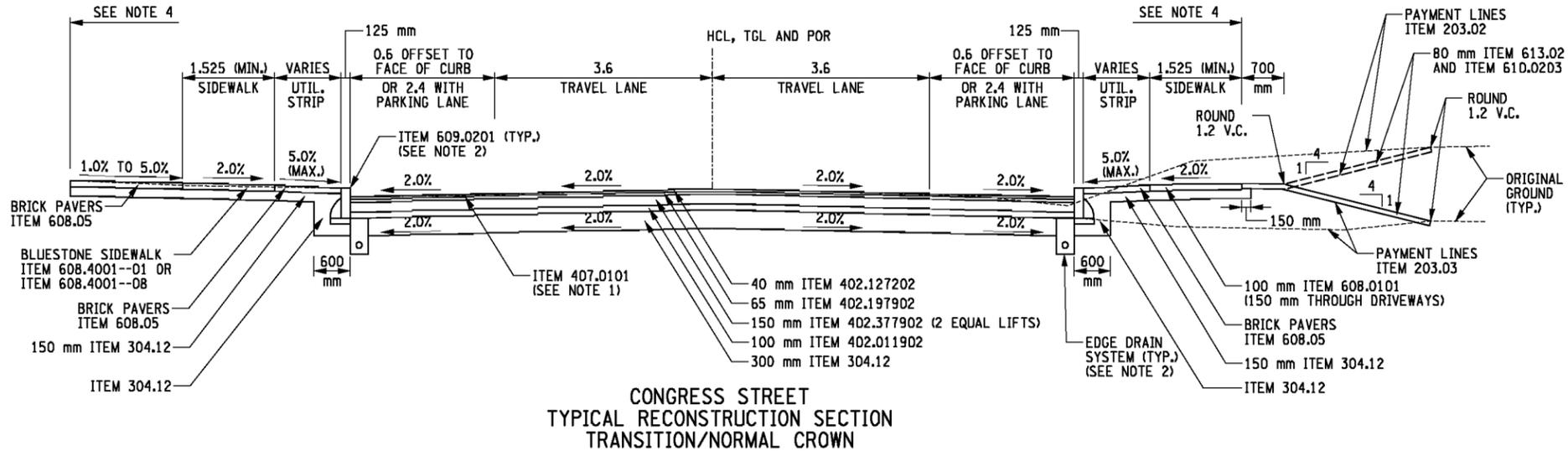
FILE NAME = J:\98048\Cadd\175339AA_TYP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCZOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



CONGRESS STREET / BRUNSWICK ROAD / PAWLING AVENUE
 TYPICAL RECONSTRUCTION SECTION
 TRANSITION/NORMAL CROWN
 N.T.S.

STA CO 1+072.665 TO STA CO 1+118.419
 STA CO 1+192.497 TO STA CO 1+542.500
 STA CO 1+604.000 TO STA CO 1+708.578
 STA CO 1+794.496 TO STA CO 1+960.000
 STA BR 10+030.000 TO STA BR 10+102.700
 STA PA 9+455.000 TO STA PA 9+460.000



CONGRESS STREET
 TYPICAL RECONSTRUCTION SECTION
 TRANSITION/NORMAL CROWN
 N.T.S.

STA CO 1+542.500 TO STA CO 1+604.000

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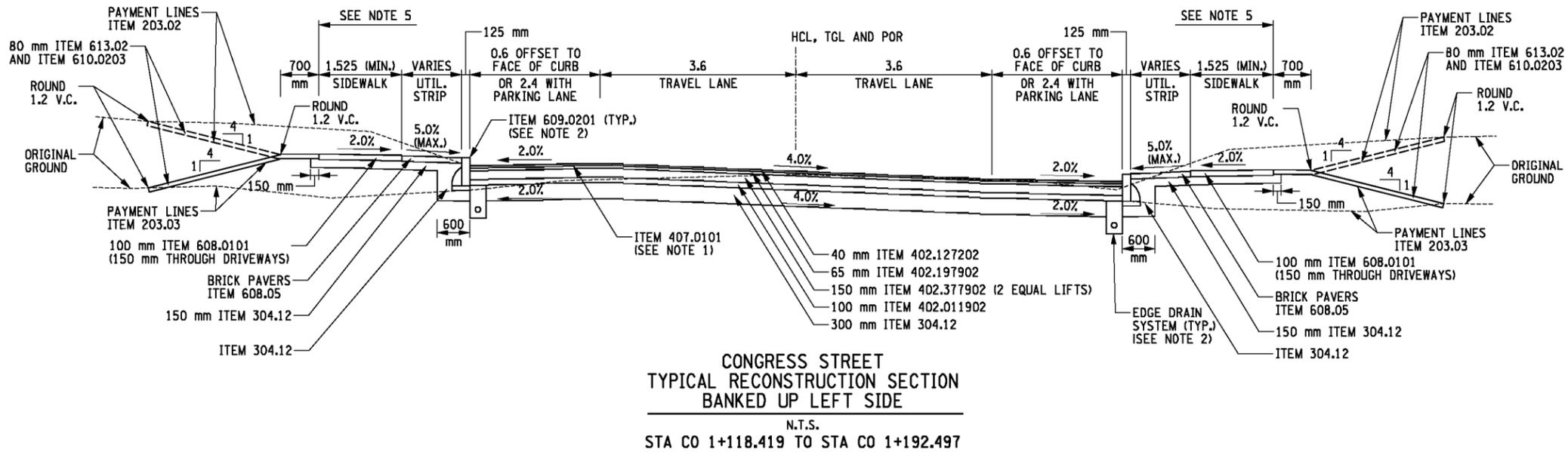
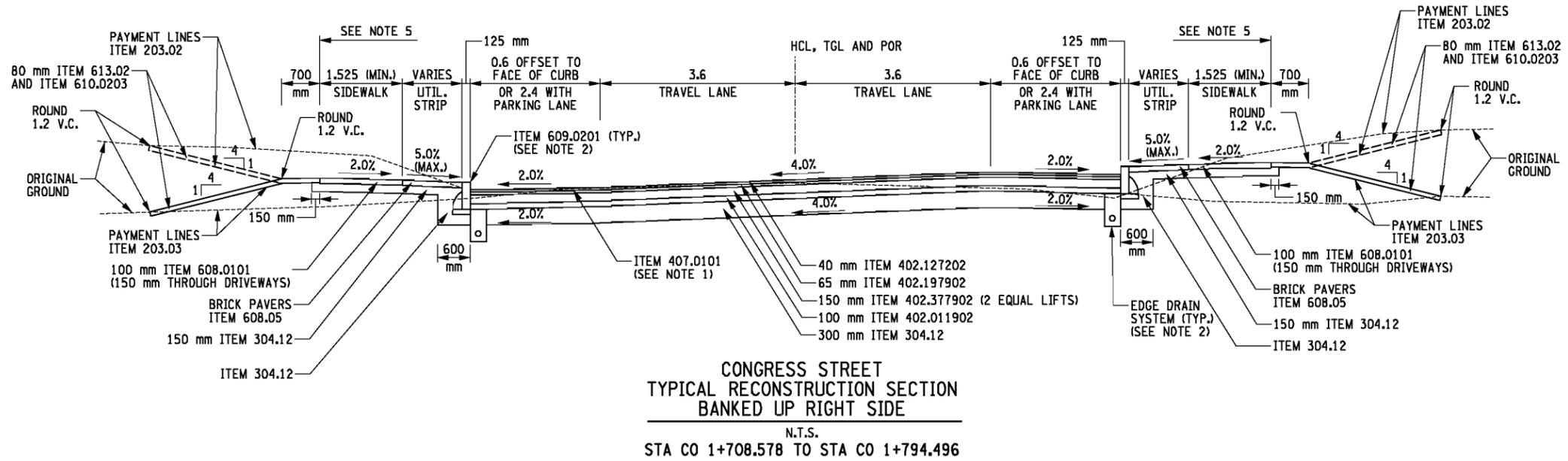
ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CM	402.377902	37.5 mm F9 SUPERPAVE HMA, 70 SERIES COMPACTION	MT
203.03	EMBANKMENT IN PLACE	CM	402.377912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.377902	QU
206.02	TRENCH AND CULVERT EXCAVATION	CM	407.0101	TACK COAT	L
207.22	GEOTEXTILE DRAINAGE	SQM	605.1001	UNDERDRAIN FILTER, TYPE II	CM
304.12	SUBBASE COURSE, TYPE 2	CM	605.1701	OPTIONAL UNDERDRAIN PIPE, 100 mm DIA.	M
402.011902	TYPE 2 F9 ASPHALT-TREATED PERMEABLE BASE COURSE	MT	608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CM
402.011912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.011902	QU	608.05	BRICK PAVED SIDEWALKS & DRIVEWAYS (BIT. SETTING BED)	SQM
402.127202	12.5 mm F2 SUPERPAVE HMA, 70 SERIES COMPACTION	MT	609.0201	STONE CURB, GRANITE (TYPE A)	M
402.127212	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.127202	QU	610.0203	ESTABLISHING TURF	SQM
402.197902	19 mm F9 SUPERPAVE HMA, 70 SERIES COMPACTION	MT	613.02	PLACING TOPSOIL - TYPE A	CM
402.197912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.197902	QU			

NOTES:
 1. TACK COAT SHALL BE PROVIDED BETWEEN EACH PAVEMENT LIFT AT A RATE OF 0.14 L/m² OVER NEW PAVEMENT AND 0.21 L/m² OVER EXISTING PAVEMENT (NOT APPLIED ON PERM. BASE COURSE).
 2. SEE DWG. NO. TS-3 FOR DETAIL OF CURB AND EDGE DRAIN SYSTEM.
 3. ROLLOVER BETWEEN TRAVEL LANE AND PARKING LANE NOT TO EXCEED 6%.
 4. SIDEWALK MAY EXTEND TO BUILDING FACE, STAIRS OR RETAINING WALL. SEE MISC. TABLES FOR TYPE AND LOCATION OF RETAINING WALL. SEE MISC. DETAILS FOR EDGE TREATMENTS.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE S.H. C65026 CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66 COUNTY: RENSSELAER	PIN 1753.39 PS&E DATE: 1/10/11	BRIDGES CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	DATE _____		THE CITY OF TROY	TYPICAL SECTIONS	DRAWING NO. TS-1 SHEET NO. 7
DOCUMENT NAME: 175339AA_TYP.DGN					

FILE NAME = J:\98048\Cadd\175339AB_TYP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CM	402.377902	37.5 mm F9 SUPERPAVE HMA, 70 SERIES COMPACTION	MT
203.03	EMBANKMENT IN PLACE	CM	402.377912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.377902	QU
206.02	TRENCH AND CULVERT EXCAVATION	CM	407.0101	TACK COAT	L
207.22	GEOTEXTILE DRAINAGE	SQM	605.1001	UNDERDRAIN FILTER, TYPE II	CM
304.12	SUBBASE COURSE, TYPE 2	CM	605.1701	OPTIONAL UNDERDRAIN PIPE, 100 mm DIA.	M
402.011902	TYPE 2 F9 ASPHALT-TREATED PERMEABLE BASE COURSE	MT	608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CM
402.011912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.011902	QU	608.05	BRICK PAVED SIDEWALKS & DRIVEWAYS (BIT. SETTING BED)	SQM
402.127202	12.5 mm F2 SUPERPAVE HMA, 70 SERIES COMPACTION	MT	609.0201	STONE CURB, GRANITE (TYPE A)	M
402.127212	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.127202	QU	610.0203	ESTABLISHING TURF	SQM
402.197902	19 mm F9 SUPERPAVE HMA, 70 SERIES COMPACTION	MT	613.02	PLACING TOPSOIL - TYPE A	CM
402.197912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.197902	QU			

NOTES:

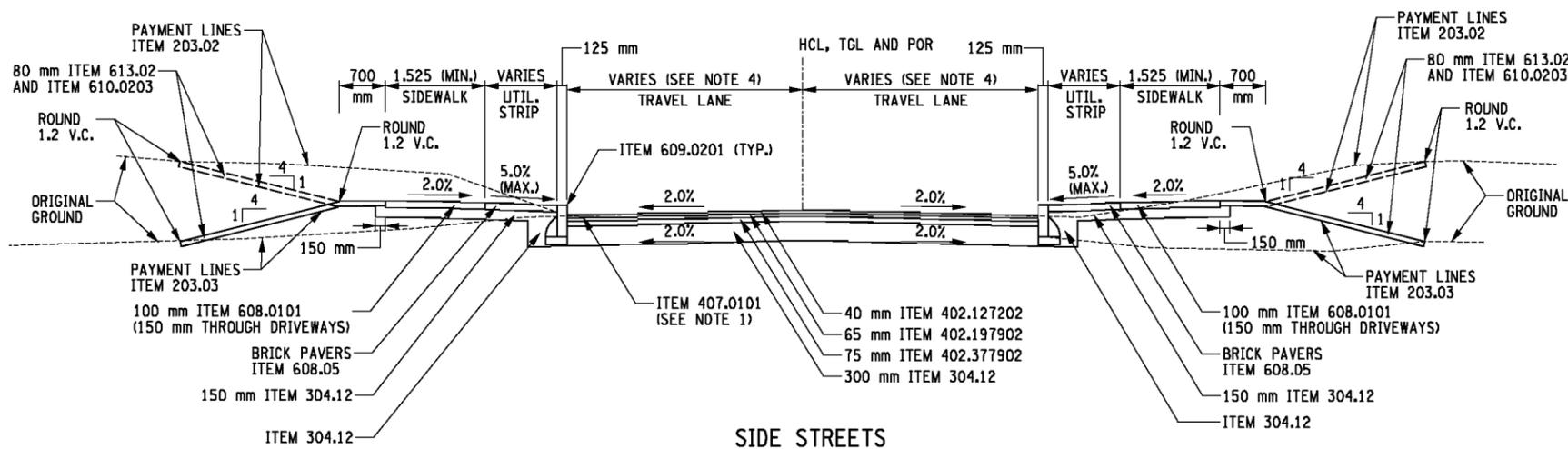
- TACK COAT SHALL BE PROVIDED BETWEEN EACH PAVEMENT LIFT AT A RATE OF 0.14 L/m² OVER NEW PAVEMENT AND 0.21 L/m² OVER EXISTING PAVEMENT (NOT APPLIED ON PERM. BASE COURSE).
- SEE DWG. NO. TS-3 FOR DETAIL OF CURB AND EDGE DRAIN SYSTEM.
- ROLLOVER BETWEEN TRAVEL LANE AND PARKING LANE NOT TO EXCEED 6%.
- SEE GENERAL PLANS FOR TRAVEL LANE WIDTHS.
- SIDEWALK MAY EXTEND TO BUILDING FACE, STAIRS OR RETAINING WALL. SEE MISC. TABLES FOR TYPE AND LOCATION OF RETAINING WALL. SEE MISC. DETAILS FOR EDGE TREATMENTS.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE S.H. C65026	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66 COUNTY: RENSSELAER	PS&E DATE: 1/10/11	THE CITY OF TROY		TYPICAL SECTIONS	DRAWING NO. TS-2 SHEET NO. B
DATE _____	DOCUMENT NAME: 175339AB_TYP.DGN					



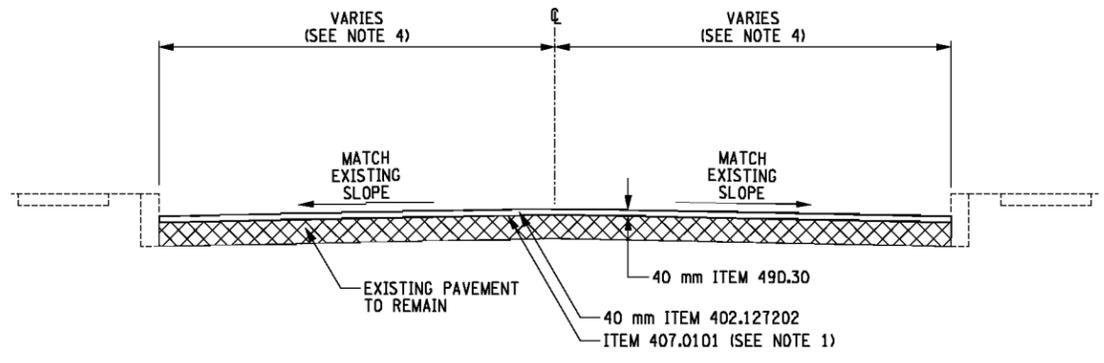
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DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES
 ESTIMATED BY R. TRUNKO CHECKED BY D. RHODES
 DESIGNED BY M. WIESZCZOWSKI CHECKED BY D. RHODES
 JOB MANAGER R. J. LABERGE
 DESIGN SUPERVISOR R. J. LABERGE
 FILE NAME = J:\98048\Cadd\175339AC_TYP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP



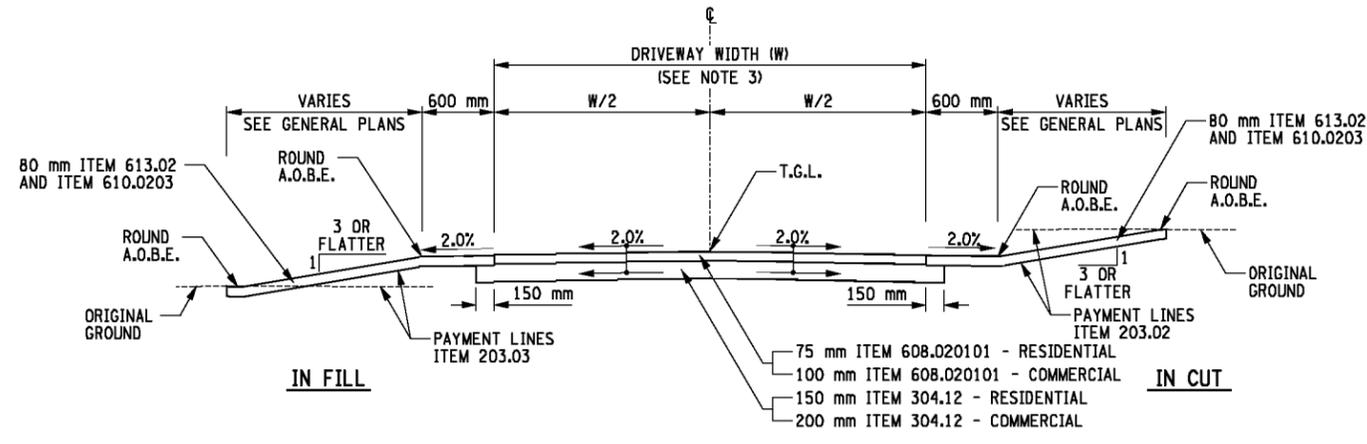
**SIDE STREETS
TYPICAL RECONSTRUCTION SECTION**

N.T.S.
 STA EL 2+004.200 TO STA EL 2+015.000
 STA TH 3+004.360 TO STA TH 3+033.360
 STA MS 4+455.000 TO STA MS 4+467.918
 STA FO 6+004.200 TO STA FO 6+015.877
 STA CY 5+466.214 TO STA CY 5+492.922
 STA FI 7+004.200 TO STA FI 7+041.630
 STA BA 8+004.200 TO STA BA 8+025.000



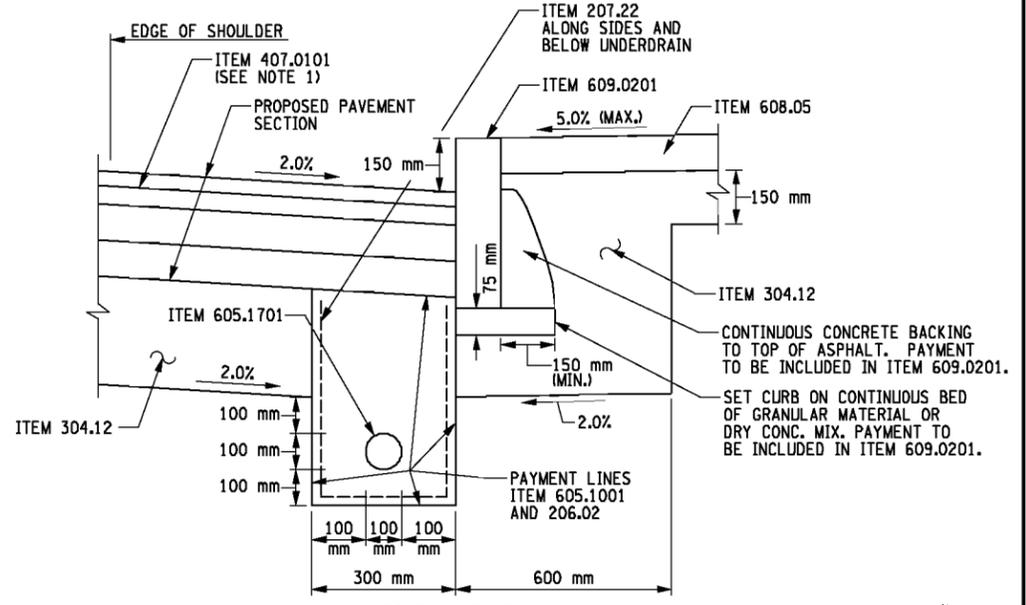
TYPICAL MILLING AND RESURFACING SECTION

N.T.S.
 STA TH 3+033.360 TO STA TH 3+088.500
 PROSPECT PARK ENTRANCE



TYPICAL DRIVEWAY RECONSTRUCTION SECTION

N.T.S.
(SFF NOTF ?)



TYPICAL CURB AND EDGE DRAIN DETAIL

N.T.S.

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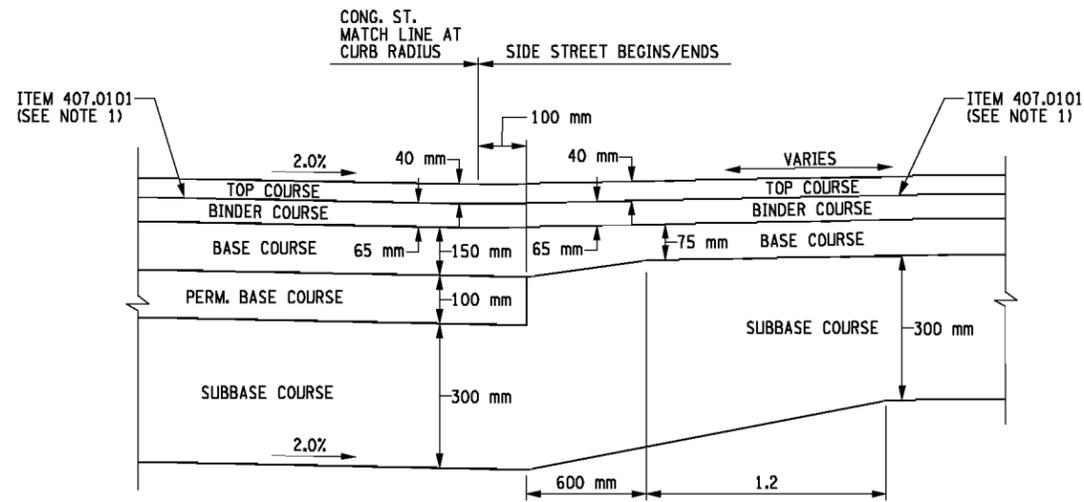
ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CM	407.0101	TACK COAT	L
203.03	EMBANKMENT IN PLACE	CM	490.30	MISC. COLD MILLING OF BITUMINOUS CONCRETE	SQM
206.02	TRENCH AND CULVERT EXCAVATION	CM	605.1001	UNDERDRAIN FILTER, TYPE II	CM
207.22	GEOTEXTILE DRAINAGE	SQM	605.1701	OPTIONAL UNDERDRAIN PIPE, 100 mm DIA.	M
304.12	SUBBASE COURSE, TYPE 2	CM	608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CM
402.011902	TYPE 2 F9 ASPHALT-TREATED PERMEABLE BASE COURSE	MT	608.020101	ASPH. CONC. SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS	MT
402.011912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.011902	QU	608.020110	PLANT PRODUCTION QUALITY ADJUSTMENT TO 608.020101	QU
402.127202	12.5 mm F2 SUPERPAVE HMA, 70 SERIES COMPACTION	MT	608.05	BRICK PAVED SIDEWALKS & DRIVEWAYS (BIT. SETTING BED)	SQM
402.127212	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.127202	QU	609.0201	STONE CURB, GRANITE (TYPE A)	M
402.197902	19 mm F9 SUPERPAVE HMA, 70 SERIES COMPACTION	MT	610.0203	ESTABLISHING TURF	SQM
402.197912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.197902	QU	613.02	PLACING TOPSOIL - TYPE A	CM

NOTES:

- TACK COAT SHALL BE PROVIDED BETWEEN EACH PAVEMENT LIFT AT A RATE OF 0.14 L/m² OVER NEW PAVEMENT AND 0.21 L/m² OVER EXISTING PAVEMENT (NOT APPLIED ON PERM. BASE COURSE).
- SEE STANDARD SHEETS M608-6, M608-7R1, M608-8 AND M608-9 FOR ADD'L. DETAILS AND NOTES.
- SEE MISCELLANEOUS TABLES FOR DRIVEWAY TABLE.
- SEE GENERAL PLANS FOR TRAVEL LANE WIDTHS.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE S.H. C65026 CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66 COUNTY: RENSSELAER	PIN 1753.39 PS&E DATE: 1/10/11	BRIDGES CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	DATE _____		THE CITY OF TROY	TYPICAL SECTIONS	DRAWING NO. TS-3 SHEET NO. 9

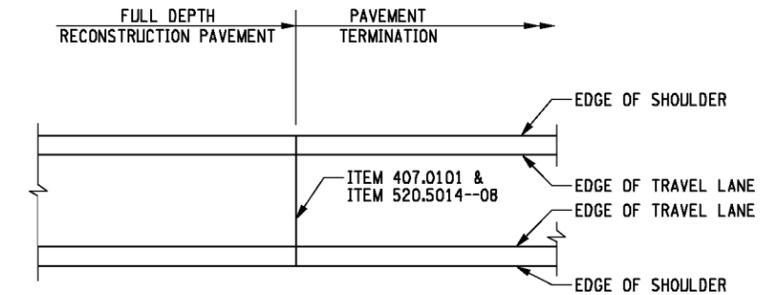
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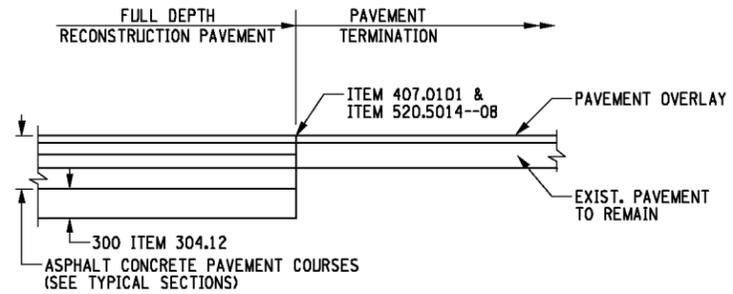
ELEVATION

TYPICAL INTERSECTION PAVEMENT/SUBBASE TRANSITION

N.T.S.



PLAN



ELEVATION

PAVEMENT RECONST./RESURFACING AREA

N.T.S.

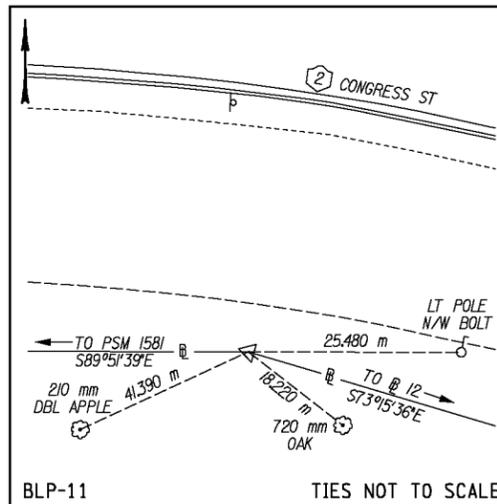
NOTES:

1. DETAIL APPLIES FOR ROADWAYS, DRIVEWAYS AND WHERE ADJACENT SURFACE IS ASPHALT.
2. REFER TO STANDARD SHEET M402-1R1 FOR ADDITIONAL PAVEMENT TERMINATION DETAILS AND NOTES.

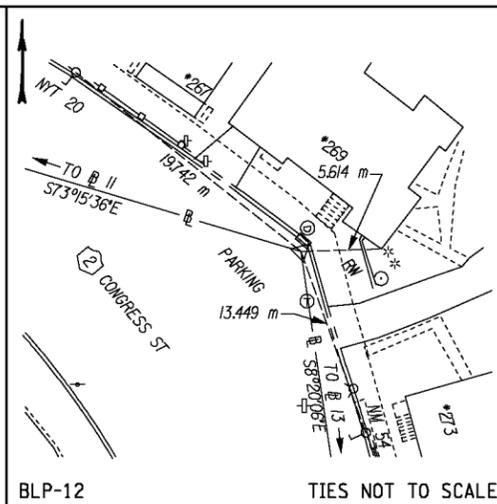


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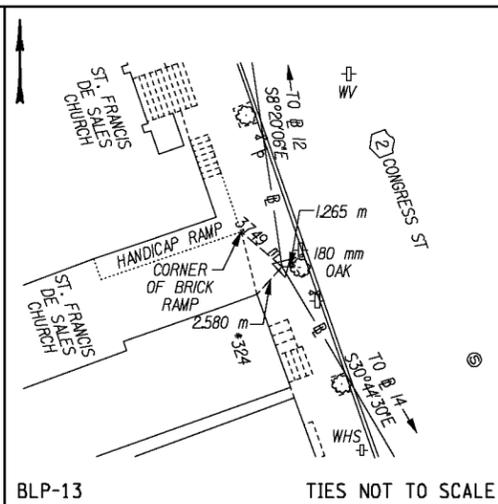
ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT	NOTES:		
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CM	608.020101	ASPH. CONC. SIDEWALKS, DRIVEWAYS AND BICYCLE PATHS	MT	1. TACK COAT SHALL BE PROVIDED BETWEEN EACH PAVEMENT LIFT AT A RATE OF 0.14 L/m ² OVER NEW PAVEMENT AND 0.21 L/m ² OVER EXISTING PAVEMENT (NOT APPLIED ON PERM. BASE COURSE).		
203.03	EMBANKMENT IN PLACE	CM	608.020110	PLANT PRODUCTION QUALITY ADJUSTMENT TO 608.020101	QU			
206.02	TRENCH AND CULVERT EXCAVATION	CM	608.05	BRICK PAVED SIDEWALKS & DRIVEWAYS (BIT. SETTING BED)	SQM			
207.22	GEOTEXTILE DRAINAGE	SQM	609.0201	STONE CURB, GRANITE (TYPE A)	M			
304.12	SUBBASE COURSE, TYPE 2	CM	610.0203	ESTABLISHING TURF	SQM			
407.0101	TACK COAT	L	613.02	PLACING TOPSOIL - TYPE A	CM			
490.30	MISC. COLD MILLING OF BITUMINOUS CONCRETE	SQM						
520.5014--08	SAWCUTTING ASPH. PAVE., CONC. PAVE., ASPH. OVERLAY	M						
605.1001	UNDERDRAIN FILTER, TYPE II	CM						
605.1701	OPTIONAL UNDERDRAIN PIPE, 100 mm DIA.	M						
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CM						
AS BUILT REVISIONS DESCRIPTION OF WORK:		CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE		PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____		S.H. C65026		PS&E DATE: 1/10/11	THE CITY OF TROY		TYPICAL SECTIONS	
DATE _____		CITY OF TROY						
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66						
		COUNTY: RENSSELAER						DRAWING NO. TS-4 SHEET NO. 10
		DOCUMENT NAME: 175339AD_TYP.DGN						



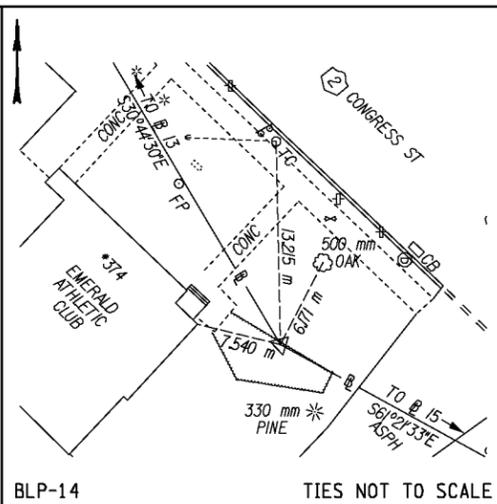
BLP-11 TIES NOT TO SCALE
 STA 2+152.503
 C.I.R. SOUTH OF RTE 2
 NYSPCS EAST ZONE NAD 83
 N: 432700.1170
 E: 216784.3620



BLP-12 TIES NOT TO SCALE
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 PK 500 mm S. OF N. EDGE OF RTE 2
 NYSPCS EAST ZONE NAD 83
 N: 432629.0200
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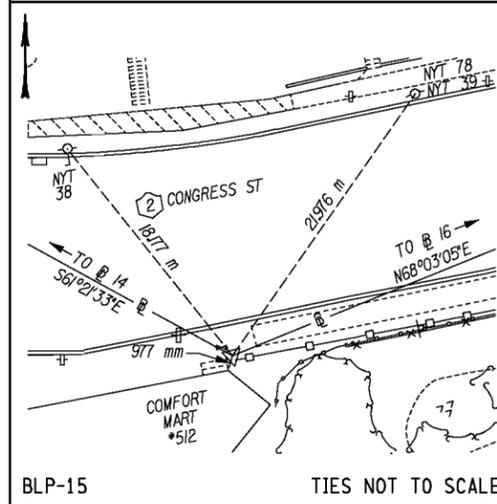
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 C.I.R. 1.93 m WEST OF RTE 2
 NYSPCS EAST ZONE NAD 83
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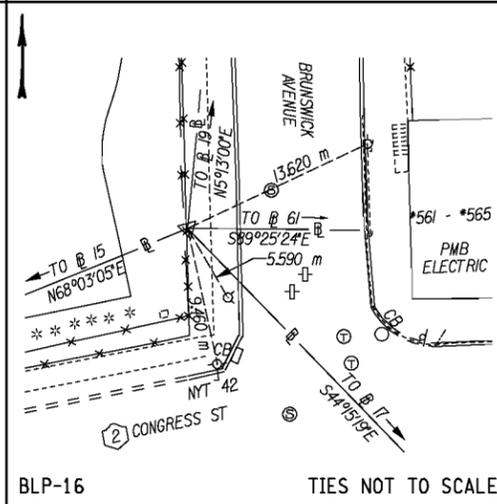
BLP-14 TIES NOT TO SCALE
 STA 2+874.305
 C.I.R. IN LAWN E. OF EM. ATH. CLUB
 NYSPCS EAST ZONE NAD 83
 N: 432185.9760
 E: 217165.3990

- NOTES:
1. THE HORIZONTAL DATUM IS THE NORTH AMERICAN DATUM OF 1983, 1996 ADJUSTMENT (NAD 83/96).
 2. THE COORDINATE SYSTEM IS THE NEW YORK STATE PLANE COORDINATE SYSTEM, EASTERN ZONE.
 3. STATE PLANE COORDINATE SYSTEM SURVEY BASELINE DISTANCES ARE REDUCED TO THE ELLIPSOID BY AN AVERAGE COMBINED ELEVATION - GRID FACTOR OF 0.99995073882.
 4. THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

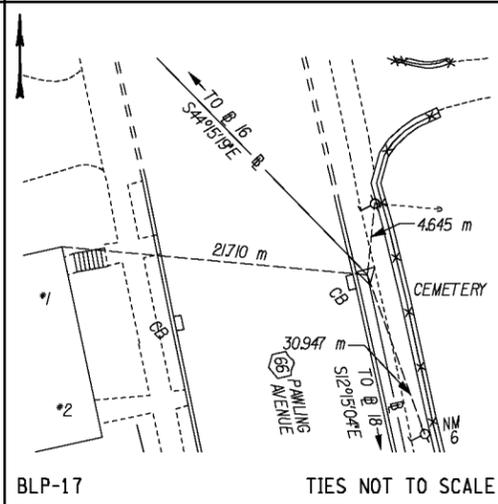
TABLE OF BENCHMARKS		
BM NO	DESCRIPTION	NAVD '88 ELEV
1	TOP SOUTHEAST CORNER OF CURB BOX, SOUTH SIDE OF CONGRESS STREET AT EIGHTH STREET INTERSECTION.	32.395
2	RR SPIKE IN NYT-16, NORTH SIDE OF CONGRESS STREET AT HOUSE NO. 243.	43.293
3	SOUTH BOLT OF HYDRANT LOCATED ON THE EAST SIDE OF CONGRESS STREET OPPOSITE THE ENTRANCE TO PROSPECT PARK.	55.964
4	CHISELED SQUARE IN TOP OF WING WALL AT NORTHEAST CORNER OF PAWLING AVE. IRTE. 66) BRIDGE OVER THE POESTEN KILL CREEK.	71.992
5	"X"-CUT IN SOUTH BOLT OF HYDRANT ON WEST SIDE OF PAWLING AVE. IN FRONT OF HOUSE NO. 64.	80.069
6	SOUTHEAST BOLT OF HYDRANT LOCATED IN THE SOUTHEAST CORNER OF THE INTERSECTION OF FIFTEENTH STREET AND CHRISTIE STREET.	71.359



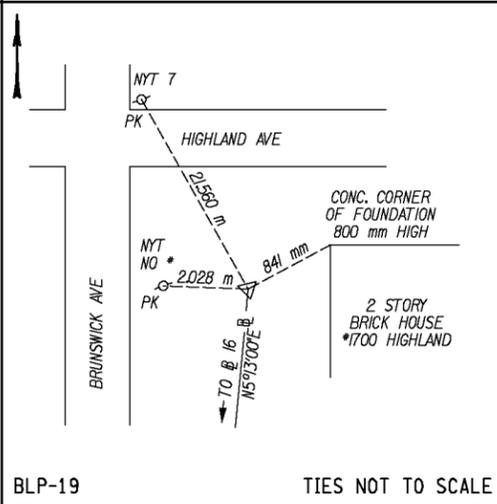
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 STA 3+040.153
 SPIKE IN GRASS SOUTH OF RTE 2
 NYSPCS EAST ZONE NAD 83
 N: 432106.4820
 E: 217310.9540



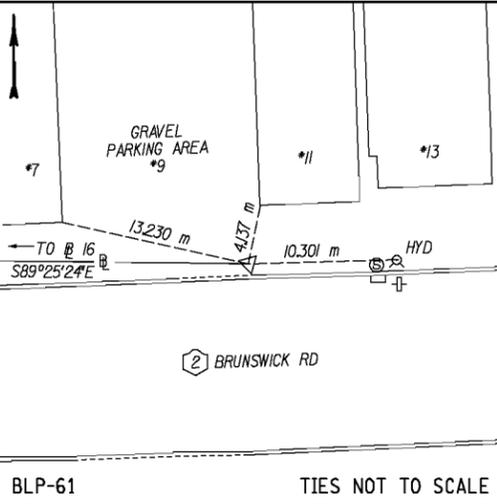
BLP-16 TIES NOT TO SCALE
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 C.I.R. 7.87 m W. OF Q BRUNS. AVE
 NYSPCS EAST ZONE NAD 83
 N: 432158.4880
 E: 217440.0070



BLP-17 TIES NOT TO SCALE
 STA 3+342.312
 C.I.R. 950 mm EAST OF RTE 66
 NYSPCS EAST ZONE NAD 83
 N: 432041.7260
 E: 217553.7720



BLP-19 TIES NOT TO SCALE
 STA 10+171.010
 CHISELED X CUT IN CONC. SIDEWALK
 NYSPCS EAST ZONE NAD 83
 N: 432328.7900
 E: 217455.5560



BLP-61 TIES NOT TO SCALE
 STA 5+155.264
 CHISELED X CUT IN CONC. SIDEWALK
 NYSPCS EAST ZONE NAD 83
 N: 432156.9254
 E: 217595.2628

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE	DATE	PS&E DATE: 1/10/11	THE CITY OF TROY		BASELINE TIES AND BENCHMARKS	DRAWING NO. BLT-1 SHEET NO. 11



GENERAL NOTES

- MATERIAL AND CONSTRUCTION SPECIFICATIONS: "STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS." NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYS DOT) OFFICE OF ENGINEERING, DATED MAY 4, 2006 WITH CURRENT ADDITIONS AND MODIFICATIONS, SHALL BE IN EFFECT FOR THIS PROJECT.
- CURRENT NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES SHALL BE IN EFFECT FOR THIS PROJECT AND ANY SUPPLEMENTS.
- ADDITIONAL NOTES MAY BE FOUND ON SUBSEQUENT DRAWINGS. SUCH NOTES, WHILE PERTAINING TO THE SPECIFIC DRAWING THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF THE WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD REVIEW AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITION MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FIELD CONDITIONS.
- THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING CONDITIONS AND DIMENSIONS WITH THOSE SHOWN ON THE PLANS. IF FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL USE THE FIELD CONDITIONS AND DIMENSIONS, AND MAKE THE APPROPRIATE CHANGES TO THOSE SHOWN ON THE PLANS. THE RESULTS OF THIS CHECK OF CONDITIONS AND DIMENSIONS SHALL BE SO NOTED ON THE DRAWINGS SUBMITTED FOR REVIEW.
- THERE SHALL BE NO CLAIM AGAINST THE OWNER BY THE CONTRACTOR FOR WORK PERTAINING TO MODIFICATIONS AS MAY BE REQUIRED DUE TO ANY DIFFERENCE BETWEEN ACTUAL FIELD CONDITIONS AND THOSE SHOWN BY THE DETAILS AND DIMENSIONS ON THE CONTRACT PLANS. THE CONTRACTOR WILL BE PAID AT THE UNIT BID PRICE FOR THE ACTUAL QUANTITIES OF MATERIALS USED OR FOR THE WORK PERFORMED, AS INDICATED BY THE VARIOUS ITEMS INDICATED IN THE CONTRACT.
- AT ALL TIMES, THE CONTRACTOR SHALL TAKE MEASURES TO PROVIDE POSITIVE DRAINAGE OF SURFACE RUNOFF FROM THE TRAVEL LANES AND CONTROL OF THE RUNOFF TO PREVENT EROSION, POLLUTION, SEDIMENTATION OR OTHER DISCHARGES WHICH WOULD AFFECT PROPERTIES ADJACENT TO THE WORK SITE. ALL MEASURES TAKEN TO PROVIDE POSITIVE DRAINAGE SHALL BE REVIEWED BY THE ENGINEER PRIOR TO IMPLEMENTATION. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS IN THE CONTRACT.
- THE CONTRACTOR SHOULD NOTE THAT ADDITIONAL WORK MAY BE REQUIRED AS THE CONTRACT PROGRESSES WHICH IS NOT SHOWN OR NOTED ON THE PLANS. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR AS REQUIRED AND PAYMENT SHALL BE MADE AT THE BID PRICE FOR THE APPROPRIATE ITEMS.
- THE CLEARING AND GRUBBING ITEM SHALL CONSIST OF THE REMOVAL OF THE BRUSH AND TREE STUMPS WITHIN THE PROJECT LIMITS WHERE NECESSARY TO COMPLETE CONSTRUCTION. IN ADDITION, TREE BRANCHES OVERHANGING THE EDGE OF PAVEMENT SHALL BE TRIMMED BACK TO PROVIDE A 4.9 METER VERTICAL CLEARANCE. THE COST OF THIS WORK SHALL BE INCLUDED UNDER ITEM 201.06 - CLEARING & GRUBBING.
- NO PAYMENT SHALL BE MADE FOR WORK CALLED FOR BY NOTES ON THE PLANS, IN THE SPECIFICATIONS, OR UNDER THE HEADING GENERAL NOTES UNLESS PAYMENT IS SPECIFICALLY INDICATED BY ITEM NUMBER. THE COST OF WORK FOR WHICH NO PAYMENT IS INDICATED SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS IN THE CONTRACT.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED, THE COST OF SUPPLYING A LEGAL DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE PRICE BID FOR THOSE ITEMS.
- THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SUPPORTS, BRACING OR OTHER DEVICES THAT MAY BE REQUIRED TO PROTECT THE SAFETY OF ADJACENT STRUCTURES, ROADWAYS OR THE VARIOUS ITEMS IN THE CONTRACT. NO SEPARATE PAYMENT SHALL BE MADE.
- PAVED AREAS DISTURBED BY THE CONTRACTOR AS PART OF WORK TO BE PERFORMED UNDER THIS CONTRACT, SHALL BE RESTORED TO ACCEPTABLE CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR GUARDING AND PROTECTING ALL OPEN EXCAVATION IN ACCORDANCE WITH THE PROVISION OF SECTION 107.05 "SAFETY & HEALTH REQUIREMENTS" OF THE NYS DOT STANDARD SPECIFICATIONS. IN ADDITION, A MINIMUM OF 1-INCH THICK PLATE WILL BE REQUIRED AT ALL EXCAVATIONS THAT ARE TO BE COVERED. THE PLATES SHALL BE SECURELY FASTENED DOWN AND SHALL BE STRUCTURALLY CAPABLE OF CARRYING ALL IMPOSED LOADS. THE COST SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- ALL ITEMS REMOVED FOR STORAGE SHALL BE RETURNED TO THE CITY OF TROY. CONTRACTOR SHALL CONTACT BARBARA TOZZI OF THE CITY ENGINEERING DEPARTMENT AT (518) 279-7194 TO COORDINATE DROP OFF LOCATION.

- PROVISIONS TO DE-WATER EXCAVATIONS, DUE TO POSSIBLE HIGH GROUNDWATER ELEVATIONS, MAY BE REQUIRED FOR DRAINAGE AND UTILITY CONSTRUCTION OPERATIONS ALONG THE PROJECT. THERE SHALL BE NO DIRECT PAYMENT FOR ANY DE-WATERING SYSTEMS. COST SHALL BE INCLUDED IN THE PRICE BID FOR THE DRAINAGE OR UTILITY ITEMS.
- THE CONTRACTOR SHALL KEEP ALL DRAINAGE FACILITIES, WITHIN THE CONTRACT LIMITS, CLEAN AND FULLY OPERATIONAL AT ALL TIMES. THIS WORK SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- THE CONTRACTOR SHALL PROVIDE SURVEY AND STAKEOUT AS REQUIRED AND IN ACCORDANCE WITH SECTION 625 OF THE STANDARD SPECIFICATIONS. COST FOR THIS WORK SHALL BE INCLUDED UNDER ITEM 625.01 - SURVEY OPERATIONS.
- THE CONTRACTOR IS TO VISIT THE SITE BEFORE BIDDING TO BECOME FAMILIAR WITH THE PRESENT CONDITIONS AND TO JUDGE THE EXTENT AND NATURE OF THE WORK TO BE DONE UNDER THIS CONTRACT. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF FAILURE TO INCLUDE IN THE BID ALL ITEMS AND MATERIALS WHICH ARE REQUIRED TO BE FURNISHED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROTECT HIS WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA REGULATIONS.
- DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT WORK IN SUCH A MANNER AS TO PREVENT OR REDUCE TO A MINIMUM, ANY DAMAGE TO THE VARIOUS WATER BODIES FROM POLLUTION BY DEBRIS, SEDIMENT OR OTHER FOREIGN MATERIAL, OR FROM MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH STREAMS. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO A STREAM ANY WATER WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL OR OTHER IMPURITIES.
- DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE CONCRETE, DEBRIS OR OTHER MATERIAL TO THE AREA BELOW THE STRUCTURE EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL.
- ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE STRUCTURE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT A LEGAL DISPOSAL SITE.
- WATERING NEEDED FOR VEGETATION AND OTHER LANDSCAPING ITEMS SHALL BE INCLUDED UNDER EACH RESPECTIVE ITEM IN THE CONTRACT.
- ALL UNDAMAGED AND USABLE BLUESTONE WALKWAY SECTIONS SHALL BE SALVAGED THROUGHOUT THE PROJECT LIMITS DURING CONSTRUCTION. SALVAGE AND RE-USE SHALL BE PAID FOR UNDER ITEM 608.4001--01.
- WORK ON PRIVATE PROPERTY SHOWN IN THE PLANS WILL REQUIRE MULTIPLE RELEASE AGREEMENTS TO EXECUTE. CONTRACTOR SHALL OBTAIN REQUIRED WORK RELEASES BEFORE ENTERING PRIVATE PROPERTY TO PERFORM WORK. WHERE PROPERTY OWNERS REFUSE TO SIGN RELEASE, CONTRACTOR SHALL NOTIFY CITY OF TROY AND LIMIT CONSTRUCTION ACTIVITIES TO THE RIGHT OF WAY ONLY. SEE TABLE ON DWG. MT-17 FOR LIST OF POTENTIAL ADDRESSES THAT MAY REQUIRE RELEASES AND THE TYPE OF WORK BEING PERFORMED AT EACH. CONTRACTOR SHALL VERIFY THE LOCATIONS NECESSARY PRIOR TO CONSTRUCTION.

UTILITY NOTES

- LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED ON THE PLANS AS EXISTING AND/OR TO BE CONSTRUCTED ARE APPROXIMATE ONLY. THEIR EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT HIS OPERATIONS AND TAKE NECESSARY PRECAUTIONS SUCH THAT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION IS PREVENTED. PRIOR TO ANY EXCAVATION, THE CONTRACTOR IS TO CALL DIG SAFE NEW YORK TO HAVE UNDERGROUND UTILITIES LOCATED.
- IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE, CAUSING THE INTERRUPTION IN SAID SERVICE, THE CONTRACTOR SHALL IMMEDIATELY COMMENCE WORK TO RESTORE SERVICE AND MAY NOT CEASE WORK UNTIL SERVICE IS RESTORED. ALL COSTS TO REPAIR OR REPLACE DAMAGED UTILITIES SHALL BE AT THE EXPENSE OF THE CONTRACTOR. IF THE CONTRACTOR DOES NOT MAKE IMMEDIATE NECESSARY REPAIRS, THE RESPECTIVE OWNING COMPANIES OR MUNICIPAL FORCES MAY DO THE WORK, AND THE COST THEREOF CHARGED AGAINST THE CONTRACTOR.
- THE CONTRACTOR SHALL MAKE EXPLORATIONS AS MAY BE NECESSARY TO DETERMINE THE DIMENSIONS AND LOCATIONS OF LINES THAT MAY BE SUBJECT TO DAMAGE. COST TO BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- PRIVATE UTILITY COMPANIES ARE ALSO REQUIRED TO ALTER/RELOCATE THEIR FACILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL LAY OUT THE PROJECT CENTERLINE AND OTHER FEATURES TO PROVIDE THE UTILITY COMPANIES WITH SUFFICIENT INFORMATION TO ALTER/RELOCATE THEIR FACILITIES. THE COST OF THIS WORK SHALL BE INCLUDED UNDER ITEM 625.01. ALTERATIONS/RELOCATIONS OF UTILITIES MAY NOT ALL BE SHOWN IN THE CONTRACT PLANS. ADDITIONAL ALTERATIONS/RELOCATIONS MAY BE REQUIRED BY THEIR RESPECTIVE OWNERS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING NATIONAL GRID FOR PROVIDING RESTRAINTS TO THE EXISTING UTILITY POLES IF REQUIRED WITHIN THE WORK LIMITS, WHILE CONSTRUCTION IS TAKING PLACE. THE CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID TO PERFORM THE WORK. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS.
- THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND UTILITIES TO REMAIN IN PLACE FROM DAMAGE DURING CONSTRUCTION. METHODS OF PROTECTION MAY INCLUDE STEEL PLATES OVER THE UTILITY SO THAT WHEEL LOADINGS FROM CONSTRUCTION VEHICLES DO NOT DAMAGE THE UTILITY. THE COST OF PROVIDING PROTECTION OF UNDERGROUND UTILITIES SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- ALL UTILITY POLES TO BE RELOCATED BY OTHERS SHALL BE COORDINATED BY THE CONTRACTOR AS TO THEIR NEW LOCATION SO THEY DO NOT CONFLICT WITH CONSTRUCTION.

WATER MAINS & HYDRANTS

- SEE CONTRACT PROPOSAL FOR SPECIAL NOTES AND SPECIFICATIONS CONCERNING WATER MAINS AND APPURTENANCES.
- THE CONTRACTOR SHALL MAINTAIN SERVICE TO ALL RESIDENTIAL AND COMMERCIAL ESTABLISHMENTS TO THE MAXIMUM POSSIBLE EXTENT FOR THE DURATION OF THE PROJECT. TEMPORARY SHUTDOWN OF SERVICES MUST BE KEPT TO A MINIMUM AMOUNT OF TIME. SERVICES SHALL NOT BE SHUT DOWN WITHOUT PRIOR NOTICE TO THE E.I.C. AND THE OWNING FACILITY.
- WATER CONDUITS INSTALLED PARALLEL TO STORM SEWER CONDUITS SHALL HAVE A MINIMUM OF 3 METERS HORIZONTAL SEPARATION (MEASURED EDGE OF PIPE TO EDGE OF PIPE) WHENEVER POSSIBLE. WHEN 3 METERS HORIZONTAL SEPARATION CANNOT BE MAINTAINED, A VERTICAL SEPARATION OF AT LEAST 450 mm BETWEEN THE WATER MAIN AND SEWER PIPE SHALL BE MAINTAINED. IF THIS VERTICAL SEPARATION CANNOT BE MAINTAINED, THE STORM SEWER SHALL BE RECONSTRUCTED OF MATERIALS, INCLUDING JOINTS, THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION. WHERE THESE CONDITIONS CANNOT BE MET, SEPARATE APPROVAL OF THE REVIEWING AUTHORITY IS REQUIRED.
- UPON COMPLETION OF THE PROPOSED WATER LINE INSTALLATION, CONNECTION TO THE EXISTING WATER LINES AND INDIVIDUAL SERVICES SHALL BE MADE AS SHOWN ON THE PLANS. COST OF CONNECTIONS TO BE INCLUDED UNDER THE APPROPRIATE ITEMS). ALL NECESSARY FITTINGS SHALL BE PROVIDED AND INCLUDED UNDER THEIR RESPECTIVE PAY ITEMS.
- THE EXISTING WATER LINE, UPON COMPLETION OF THE PROPOSED WATER LINE SHALL BE TAKEN OUT OF SERVICE. IF THE NEW WATER LINE IS PROPOSED TO BE INSTALLED AT THE SAME LOCATION OF THE EXISTING WATER LINE, THEN THE CONTRACTOR SHALL REMOVE THE EXISTING WATER LINE. COST TO BE INCLUDED UNDER ITEM 206.02. IF THE NEW WATER LINE IS PROPOSED TO BE INSTALLED AT ANOTHER LOCATION, THE EXISTING WATER LINE SHALL BE PLUGGED. COST FOR PLUGGING EXISTING WATER LINE UNLESS OTHERWISE NOTED, SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- AT LOCATIONS WHERE EXISTING HYDRANTS ARE TO BE REMOVED AND REPLACED WITH NEW HYDRANTS, THE CONTRACTOR SHALL MAINTAIN IN SERVICE TO THE MAXIMUM POSSIBLE EXTENT THE EXISTING HYDRANTS UNTIL THE PROPOSED HYDRANTS ARE IN PLACE AND IN SERVICE.
- AT LOCATIONS WHERE PROPOSED WATER SERVICE LINE AND WATER SERVICE BOX IS TO BE INSTALLED, THE CONTRACTOR SHALL CONNECT EXISTING SERVICE TO THE PROPOSED WATER SERVICE BOX. THE COST FOR THIS CONNECTION SHALL BE INCLUDED UNDER THE WATER SERVICE CONNECTION ITEM. REMOVAL OF THE EXISTING WATER SERVICE LINE AND BOX SHALL ALSO BE INCLUDED UNDER ITEM 206.02.
- UPON COMPLETION OF ALL WATER SUPPLY RELATED CONSTRUCTION, ALL MAINS, VALVES, HYDRANTS AND OTHER APPURTENANCES BUILT UNDER THIS CONTRACT SHALL BE DISINFECTED, FLUSHED AND TESTED FOR BACTERIOLOGICAL QUALITY IN ACCORDANCE WITH AWWA C-651, EXCEPT TABLETS SHALL NOT BE USED FOR CHLORINATION. HYDROSTATIC TESTING SHALL CONFORM TO AWWA C-600 WITH THE MAINS THOROUGHLY FLUSHED PRIOR TO TESTING.
- A REPRESENTATIVE FROM THE CITY AND THE E.I.C. SHALL BE PRESENT FOR ALL TESTING OF THE NEW WATER SYSTEM TO MONITOR THE TESTING PROCEDURE AND RESULTS FOR ACCEPTANCE OF THE NEW SYSTEM.

ELECTRICAL SAFETY NOTE

- HIGH VOLTAGE LINES MAY BE PRESENT WITHIN THE PROJECT LIMITS. REFER TO ELECTRICAL SAFETY NOTE CONTAINED IN THE CONTRACT PROPOSAL FOR SPECIAL CONTRACTOR'S SAFETY REQUIREMENTS.

DAMAGE TO EXISTING STRUCTURES OR VEGETATION/SHRUBS

- NUMEROUS STRUCTURES AND VEGETATION/SHRUBS ARE PRESENT WITHIN THE WORK LIMITS AND ARE TO REMAIN IN PLACE. THE CONTRACTOR SHALL TAKE EXTRA PRECAUTIONS NOT TO DAMAGE THESE ITEMS. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGE CAUSED BY HIS OPERATIONS TO THE EXISTING STRUCTURES OR MATERIALS WHICH ARE NOT INCLUDED AS PART OF THE INTENDED WORK. ALL DAMAGE TO THE EXISTING STRUCTURES OR MATERIALS WHICH ARE NOT PART OF THE INTENDED WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHOUT COST TO THE OWNER.
- EXISTING BASEMENTS MAY EXTEND OUTSIDE BUILDING FOOTPRINTS AND ENCRONCH ON ROADWAY RIGHT OF WAY. CONTRACTOR SHALL TAKE CAUTION AROUND BUILDINGS TO AVOID DAMAGING THESE AREAS.

ARCHEOLOGICAL MONITORING

ARCHEOLOGICAL MONITORING SHALL BE CONDUCTED DURING THE EXCAVATION OF CONGRESS STREET. ANY EVIDENCE OF EXISTING STREET CAR RAILS OR THE ORIGINAL GRANITE PAVING BLOCKS SHALL BE DOCUMENTED. CONTRACTOR SHALL PREPARE AN ARCHEOLOGICAL MONITORING PLAN FOR APPROVAL BY THE OWNER AND THE NYS OFFICE OF PARKS, RECREATION AND HISTORIC PRESERVATION OUTLINING THEIR PROCEDURES TO DOCUMENT THESE STRUCTURES. PREPARATION OF MONITORING PLAN AND ALL ARCHEOLOGICAL MONITORING AND DOCUMENTATION SHALL BE PAID FOR UNDER ITEM 206.07----03.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER	DOCUMENT NAME: 175339AA_GEN.DGN	GENERAL NOTES		DRAWING NO. GN-1 SHEET NO. 12		
SIGNATURE	DATE					

GENERAL DESCRIPTION AND SUGGESTED SEQUENCE OF CONSTRUCTION:

GENERAL

1. THE FOLLOWING IS A GENERAL DESCRIPTION OF WORK TO BE DONE UNDER THIS CONTRACT AND THE SUGGESTED SEQUENCE OF OPERATIONS TO COMPLETE THAT WORK. THIS DESCRIPTION AND SEQUENCE ARE NOT ALL INCLUSIVE NOR IS IT INTENDED TO LIMIT THE CONTRACTOR TO A PARTICULAR SEQUENCE OF WORK TO COMPLETE THE PROJECT. CHANGES BY THE CONTRACTOR MAY BE ALLOWED PROVIDED THAT THE CHANGES WILL COMPLETE ALL NECESSARY WORK AND MEET ALL RESTRICTIONS ON WORK HOURS AND TRAFFIC MAINTENANCE. ANY PROPOSED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ENGINEER, IN ADVANCE OF THE CONTRACTOR PERFORMING THE WORK, FOR REVIEW AND APPROVAL.
2. THE PROJECT IS DIVIDED INTO 2 MAIN CONSTRUCTION ZONES CONSISTING OF ZONE 1, CONGRESS STREET BETWEEN 11TH STREET AND 15TH STREET (STA. CO 1+050 TO STA. CO 1+620), AND ZONE 2, CONGRESS STREET BETWEEN 15TH STREET AND BRUNSWICK ROAD (STA. CO 1+620 TO STA. BR 10+100). THE CONTRACTOR MAY NOT WORK IN BOTH ZONES CONCURRENTLY UNLESS APPROVED BY THE CITY.
3. ALTERNATING ONE WAY TRAFFIC, THROUGH THE USE OF FLAGGERS, WILL BE PERMITTED ON THIS PROJECT, BETWEEN THE HOURS OF 9:00 AM TO 3:00 PM, AND 7:00 PM TO 7:00 AM. NIGHTTIME OPERATIONS FOR ALTERNATING ONE-WAY TRAFFIC WILL REQUIRE LIGHTING OF THE WORK AREA, WHICH WILL BE PAID FOR UNDER ITEM 619.24.
4. CONTRACTOR SHALL CONTACT UTILITY COMPANIES PRIOR TO CONSTRUCTION TO COORDINATE UTILITY RELOCATIONS, IF APPLICABLE. ABOVE GROUND UTILITY WORK SHOULD BE COMPLETED PRIOR TO THE CONTRACTORS WORK, BUT SOME UNDERGROUND UTILITIES MAY NEED TO BE RELOCATED CONCURRENT WITH CONTRACTOR'S OPERATIONS. UTILITY RELOCATION SCHEDULE MUST BE APPROVED BY THE CITY PRIOR TO CONSTRUCTION.
5. DIRECT ACCESS TO BUSINESSES AND RESIDENTS MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION OPERATIONS.
6. PEDESTRIAN TRAFFIC WILL BE MINIMALLY MAINTAINED ON ONE SIDE OF THE ROADWAY THROUGHOUT THE WORK ZONE.

WINTER SHUTDOWN

1. A WINTER SHUTDOWN SHALL BE IN EFFECT FROM DECEMBER 1 TO MARCH 31. DURING THIS TIME, NO EXCAVATION OR BACKFILL OPERATIONS WILL BE ALLOWED UNLESS APPROVED BY THE CITY ENGINEER. ANY WORK OPERATIONS SHALL BE SUCH THAT THEY CAN BE TERMINATED IMMEDIATELY SHOULD INCLEMENT WEATHER ARISE, THEREBY ALLOWING CITY MAINTENANCE FORCES TO PERFORM WINTER MAINTENANCE OPERATIONS.
2. PRIOR TO WINTER SHUTDOWN, ALL UTILITY CUTS SHALL BE BACKFILLED AND SURFACES STABILIZED WITH ASPHALT CONCRETE (ITEM 402.197902) WITHIN THE STREET LIMITS, SIDEWALKS, DRIVEWAYS OR OTHER PAVED AREAS. (I.E. NO EXPOSED SUBBASE WILL BE ALLOWED). ALL GRASSSED AREAS SHALL BE MULCHED AND STABILIZED TO PREVENT SOIL EROSION.
3. ALL DETOURS SHALL BE REMOVED FOR THE WINTER SHUTDOWN AND 2-WAY TRAFFIC RESTORED TO NORMAL OPERATIONS. ALL TRAFFIC CONTROL DEVICES WHICH WOULD INTERFERE WITH WINTER MAINTENANCE OPERATIONS ON STREETS AND SIDEWALKS SHALL BE REMOVED PRIOR TO THE SHUTDOWN.

ZONE 1 CONSTRUCTION SEQUENCING (11TH STREET TO 15TH STREET)

STAGE 1A:

1. CONTRACTOR WILL SET-UP DETOUR AS SHOWN ON DWG. TCP-2 AND COMMENCE WITH ONE-WAY TRAFFIC PLAN EASTBOUND ON CONGRESS STREET.
2. REFER TO DWG. TCP-3 OF THE PLANS FOR DETAILS AND TRAFFIC CONTROL REQUIREMENTS FOR THIS STAGE.
3. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR THE RELOCATION OF ALL UTILITIES SO THAT INSTALLATION SHALL NOT BE IN CONFLICT WITH THE WORK TO BE DONE.
 - A. REMOVAL OF EXISTING SIDEWALK, CURBING, PAVEMENT, DRAINAGE STRUCTURES, SUBBASE, SELECT TREES AND SIGNS ALONG THE SOUTH SIDE OF CONGRESS STREET WITHIN THE WORK AREA.
 - B. CONSTRUCT NEW WATERMAIN AND SERVICES, STORM SEWER LINES AND STRUCTURES AND PIPES TO THE LATERAL LIMITS OF THIS STAGE FOR STAGE 1B CONNECTION. BRING NEW WATER SERVICES TO R.O.W. CONNECT NEW WATERMAIN TO EXISTING MAIN AT 13TH STREET AND 15TH STREET TO EXPEDITED NEW SERVICE CONNECTIONS.
 - C. INSTALL SUBBASE TO PLANNED ELEVATION.
 - D. CONSTRUCT NEW CURBING, SIDEWALKS AND BRICK PAVER AREAS.
 - E. RECONSTRUCT PAVEMENT TO BINDER ELEVATION.
 - F. RECONSTRUCT PROSPECT PARK RETAINING WALL.
 - G. INSTALL ROADWAY LIGHTING BASES AND CONDUIT.
 - H. INSTALL NEW TRAFFIC SIGNAL EQUIPMENT AT 15TH STREET.
 - I. REMOVE EXISTING TRAFFIC SIGNAL AT 14TH STREET.

STAGE 1B:

1. REFER TO DRAWING TCP-4 OF THE PLANS FOR DETAILS AND TRAFFIC CONTROL REQUIREMENTS FOR THIS STAGE. WORK WILL CONSIST OF THE FOLLOWING:
2. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR THE RELOCATION OF ALL UTILITIES SO THAT INSTALLATION SHALL NOT BE IN CONFLICT WITH THE WORK TO BE DONE.
 - A. REMOVAL OF EXISTING SIDEWALK, CURBING, PAVEMENT, DRAINAGE STRUCTURES, SUBBASE, SELECT TREES AND SIGNS ALONG THE NORTH SIDE OF CONGRESS STREET WITHIN THE WORK AREA.
 - B. INSTALL NEW DRAINAGE STRUCTURES AND CONNECT ALL STORM SEWER PIPES AND WATERMAIN SERVICES TO STAGE 1A WORK. BRING NEW WATER SERVICES TO R.O.W. FOR CONNECTION.
 - C. CONSTRUCT NEW CURBING, SIDEWALKS AND BRICK PAVER AREAS.
 - D. RECONSTRUCT PAVEMENT TO BINDER ELEVATION.
 - E. CLOSE CHRISTIE STREET AND CONSTRUCT RETAINING WALL FOR PARKING AREA. PROTECT DROP OFF AREA WITH CONCRETE BARRIER DURING CONSTRUCTION.
 - F. RECONSTRUCT 13TH STREET PARKING AREA AND CONSTRUCT PAVEMENT FOR THE CHRISTIE STREET PARKING LOT.
 - G. RECONSTRUCT RETAINING WALL NEAR 13TH STREET.
 - H. INSTALL ROADWAY LIGHTING, BASES, AND CONDUIT.

STAGE 1C:

1. CONTRACTOR SHALL REMOVE DETOUR AND RESTORE 2-WAY TRAFFIC THROUGHOUT WORK ZONE DURING THIS PHASE OF CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR THE RELOCATION OF ALL UTILITIES SO THAT INSTALLATION SHALL NOT BE IN CONFLICT WITH THE WORK TO BE DONE.
3. WORK SHALL CONSIST OF THE FOLLOWING:
 - A. INSTALL PERMANENT SIGNS WITHIN WORK ZONE AS DETAILED IN THE SIGNING PLANS.
 - B. INSTALL PERMANENT SIGNAL DETECTION EQUIPMENT IN THE BINDER COURSE AT 15TH STREET.

STAGE 1D:

1. WORK SHALL CONSIST OF PROJECT COMPLETION AS FOLLOWS:
 - A. PLACEMENT OF TOP COURSE ASPHALT CONCRETE ON THE ENTIRE LENGTH AND WIDTH OF CONGRESS STREET AND ALONG SIDE STREETS. ALL UTILITY MANHOLES AND DROP INLET GRATES SHALL BE RAISED TO THE NEW TOP COURSE PROFILE IMMEDIATELY PRIOR TO PAVING THE TOP COURSE.
 - B. PLACE ALL LANDSCAPE ITEMS, TOPSOIL, SOD AND SEED AT ALL REQUIRED AREAS, AND PLACE PERMANENT PAVEMENT AND CROSSWALK MARKINGS.
 - C. GENERAL PROJECT CLEAN-UP AND OTHER REQUIRED MISCELLANEOUS WORK.
2. FLAGGERS SHALL BE UTILIZED DURING THE PAVING OPERATION TO MAINTAIN ALTERNATING ONE-WAY TRAFFIC. THE TOP COURSE IS TO BE PLACED ACROSS THE ENTIRE ROADWAY SURFACE FROM CURB TO CURB DURING ONE SHIFT OF WORK SUCH THAT NO LONGITUDINAL DROP OFF WILL EXIST WHEN OPENED TO TWO-WAY TRAFFIC DURING NON-WORK HOURS. ASPHALT WEDGES SHALL BE PLACED AT THE END OF THE TOP COURSE PAVING TO TRANSITION SMOOTHLY FROM TOP COURSE ELEVATION TO ADJACENT BINDER COURSE ELEVATION (LENGTH OF TRANSITION TO BE APPROVED BY THE ENGINEER).

ZONE 2 CONSTRUCTION SEQUENCING (15TH STREET TO BRUNSWICK ROAD)

STAGE 2A:

1. COMMENCEMENT OF THIS STAGE WILL NOT BE ALLOWED TO BEGIN UNTIL THE RECONSTRUCTION FROM 11TH STREET TO 15TH STREET IS COMPLETE.
2. REFER TO DWG. TCP-5 AND TCP-7 OF THE PLANS FOR DETAILS AND TRAFFIC CONTROL REQUIREMENTS FOR THIS STAGE. STAGE 2A WILL BE CONDUCTED USING ALTERNATING ONE-WAY TRAFFIC DURING NIGHTTIME HOURS 9 PM TO 7 AM AND DAYTIME HOURS 9AM TO 3 PM. WORK WILL CONSIST OF THE FOLLOWING:
 - A. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR THE RELOCATION OF ALL UTILITIES SO THAT INSTALLATION SHALL NOT BE IN CONFLICT WITH THE WORK TO BE DONE.
 - B. REMOVAL OF EXISTING SIDEWALK, CURBING, PAVEMENT, DRAINAGE STRUCTURES, SUBBASE, SELECT TREES AND SIGNS ALONG THE SOUTH SIDE OF CONGRESS STREET WITHIN THE WORK AREA.
 - C. CONSTRUCT NEW WATERMAIN AND SERVICES, STORM SEWER LINES AND STRUCTURES AND PIPES TO THE LATERAL LIMITS OF THIS STAGE FOR STAGE 2B CONNECTION. BRING NEW WATER SERVICES TO R.O.W. CONNECT NEW WATERMAIN TO EXISTING MAIN AT BRUNSWICK AVE. AND PAWLING AVE. TO EXPEDITED NEW SERVICE CONNECTIONS.
 - D. INSTALL SUBBASE TO PLANNED ELEVATION.
 - E. CONSTRUCT NEW CURBING, SIDEWALKS AND BRICK PAVER AREAS.
 - F. RECONSTRUCT PAVEMENT TO BINDER ELEVATION.
 - G. CONSTRUCT BARRIER WALL AT OVERLOOK AREA (STA. CO 1+785 TO CO 1+840). PROTECT DROP OFF AREA WITH CONCRETE BARRIER DURING CONSTRUCTION.
 - H. REMOVE AND RESET IRON FENCES ALONG SOUTH SIDE OF ROADWAY.
 - I. INSTALL ROADWAY LIGHTING BASES AND CONDUIT ON SOUTH SIDE OF THE ROADWAY.
 - J. INSTALL PERMANENT SIGNS ALONG SOUTH SIDE OF CONGRESS STREET AS DETAILED IN THE SIGNING SHEETS.
 - K. INSTALL TRAFFIC SIGNAL EQUIPMENT AT CONGRESS STREET/BRUNSWICK AVE. AND CONGRESS STREET/PAWLING AVE.
3. EXISTING TRAFFIC SIGNALS WILL BE UTILIZED FOR TRAFFIC CONTROL DURING THIS STAGE OF CONSTRUCTION.

STAGE 2B:

1. REFER TO DWG. TCP-6 AND TCP-8 OF THE PLANS FOR DETAILS AND TRAFFIC CONTROL REQUIREMENTS FOR THIS STAGE. STAGE 2B WILL BE CONDUCTED USING ALTERNATING ONE-WAY TRAFFIC DURING NIGHTTIME HOURS 9 PM TO 7 AM AND DAYTIME HOURS 9AM TO 3 PM. WORK WILL CONSIST OF THE FOLLOWING:
 - A. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR THE RELOCATION OF ALL UTILITIES SO THAT INSTALLATION SHALL NOT BE IN CONFLICT WITH THE WORK TO BE DONE.
 - B. REMOVAL OF EXISTING SIDEWALK, CURBING, PAVEMENT, DRAINAGE STRUCTURES, SUBBASE, SELECT TREES AND SIGNS ALONG THE NORTH SIDE OF CONGRESS STREET WITHIN THE WORK AREA.
 - C. INSTALL NEW DRAINAGE STRUCTURES AND CONNECT ALL STORM SEWER PIPES AND WATER MAINSERVICES TO STAGE 2A WORK. BRING NEW WATER SERVICES TO R.O.W FOR CONNECTION.
 - D. INSTALL SUBBASE TO PLANNED ELEVATION.
 - E. RECONSTRUCT PAVEMENT TO BINDER ELEVATION TO PROPOSED CURB LINE AT NORTH SIDE ROADWAY.
 - F. REMOVE BILLBOARD AT STA. CO 1+990.
2. NEWLY CONSTRUCTED TRAFFIC SIGNALS SHALL BE USED FOR TRAFFIC CONTROL DURING THIS STAGE OF CONSTRUCTION. HEADS WILL REQUIRE ADJUSTMENT FROM PROPOSED PERMANENT ORIENTATIONS.
3. NORTH SIDE CURBING AND SIDEWALK WILL NOT BE INSTALLED DURING THIS STAGE. TO BE INSTALLED AFTER THE NORTH SIDE RETAINING WALL HAS BEEN CONSTRUCTED UNDER STAGE 2C.

STAGE 2C:

1. TWO-WAY TRAFFIC DURING STAGE 3B WILL BE MAINTAINED ALONG THE PROPOSED LANE ALIGNMENT FOR THE BUILD CONDITION. WORK DURING THIS STAGE WILL UTILIZE EITHER A STANDARD LANE SHIFT PATTERN OR A SHOULDER WORK WITH MINOR LANE ENCROACHMENT SCHEME TO MAINTAIN TRAFFIC. REFER TO DWG. TCP-9 FOR DETAILS. WORK SHALL CONSIST OF THE FOLLOWING:
 - A. RETAINING WALL INSTALLATION AND STAIR REPLACEMENT ALONG NORTH SIDE OF CONGRESS STREET. UTILIZE CONCRETE BARRIER FOR DROP OFF PROTECTION ALONG ROADWAY ABOVE UPPER TOOL & DIE WALL.
 - B. INSTALLATION OF CURB, SIDEWALK AND PAVER BLOCKS ON NORTH SIDE OF ROADWAY.
 - C. INSTALL ROADWAY LIGHTING BASES AND CONDUIT ON THE NORTH SIDE OF THE ROADWAY.
 - D. INSTALL PERMANENT SIGNAL DETECTION EQUIPMENT IN THE BINDER COURSE AT BRUNSWICK AVENUE AND PAWLING STREET.
 - E. INSTALL PERMANENT SIGNS ALONG THE NORTH SIDE OF CONGRESS STREET AS DETAILED IN THE SIGNING PLANS.
2. CONTRACTOR SHALL COORDINATE LIGHTING POLE PLACEMENT BY NATIONAL GRID DURING THIS STAGE.

STAGE 2D:

1. WORK SHALL CONSIST OF PROJECT COMPLETION AS FOLLOWS:
 - A. PLACEMENT OF TOP COURSE ASPHALT CONCRETE ON THE ENTIRE LENGTH AND WIDTH OF CONGRESS STREET AND ALONG SIDE STREETS. ALL UTILITY MANHOLES AND DROP INLET GRATES SHALL BE RAISED TO THE NEW TOP COURSE PROFILE IMMEDIATELY PRIOR TO PAVING THE TOP COURSE.
 - B. PLACE ALL LANDSCAPE ITEMS, TOPSOIL, SOD AND SEED AT ALL REQUIRED AREAS, AND PLACE PERMANENT PAVEMENT AND CROSSWALK MARKINGS.
 - C. GENERAL PROJECT CLEAN-UP AND OTHER REQUIRED MISCELLANEOUS WORK.
2. FLAGGERS SHALL BE UTILIZED DURING THE PAVING OPERATION TO MAINTAIN ALTERNATING ONE-WAY TRAFFIC. THE TOP COURSE IS TO BE PLACED ACROSS THE ENTIRE ROADWAY SURFACE FROM CURB TO CURB DURING ONE SHIFT OF WORK SUCH THAT NO LONGITUDINAL DROP OFF WILL EXIST WHEN OPENED TO TWO-WAY TRAFFIC DURING NON-WORK HOURS. ASPHALT WEDGES SHALL BE PLACED AT THE END OF THE TOP COURSE PAVING TO TRANSITION SMOOTHLY FROM TOP COURSE ELEVATION TO ADJACENT BINDER COURSE ELEVATION (LENGTH OF TRANSITION TO BE APPROVED BY THE ENGINEER).



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
SIGNATURE	DATE	COUNTY: RENSSELAER			CONSTRUCTION SEQUENCING	DRAWING NO. CS-1 SHEET NO. 13
DOCUMENT NAME: 175339AA_SCS.DGN						

GENERAL TRAFFIC CONTROL NOTES:

- ALL REQUIREMENTS OF SECTION 619 - MAINTENANCE AND PROTECTION OF TRAFFIC, OF THE STANDARD SPECIFICATIONS DATED MAY 4, 2006 AND AS AMENDED, SHALL APPLY.
- VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED ON THE PAVEMENT OR SHOULDERS ALONG OR ADJACENT TO TRAVEL LANES OPEN TO TRAVEL WITHIN THE PROJECT LIMITS.
- THE CONTRACTOR SHALL NOT PARK HIS EQUIPMENT NOR STORE MATERIAL OVERNIGHT WHERE IT IS DEEMED BY THE OWNER TO BE A SAFETY HAZARD TO TRAFFIC.

THE CONTRACTOR SHALL SCHEDULE HIS CONSTRUCTION OPERATIONS IN A MANNER SO AS TO MINIMIZE THE LENGTH OF TIME WHEN DROP-OFFS ADJACENT TO THE TRAVEL LANE OCCUR.

THE CONTRACTOR SHALL DELINEATE AREAS WHERE THERE IS A DROP-OFF NEAR THE EDGE OF THE TRAVELED WAY AND AREAS ON WHICH IT IS UNSAFE TO TRAVEL. CONCRETE BARRIER WILL BE USED AS NECESSARY WHEREVER DROP-OFFS ADJACENT TO THE TRAVEL LANE WILL REMAIN IN PLACE OUTSIDE WORKING HOURS OR WHEN THE DROP-OFF EXCEEDS 1.0 m. PAYMENT FOR BARRIER SHALL BE UNDER ITEM 619.1701.
- EXCAVATIONS THAT PRODUCE DROP-OFFS ON BOTH SIDES OF THE TRAVEL WAY AT THE SAME TIME SHALL NOT BE PERMITTED.
- TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH ALL THE PROVISIONS OF ITEM 619.01 - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC.
- REFLECTORIZED PLASTIC DRUM TYPE DELINEATION SHALL BE USED ALONG WORK ZONES AND AT OTHER HAZARDOUS LOCATIONS AND SHALL REMAIN UNTIL SATISFACTORY PROTECTION IS PROVIDED, SPACING OF THE DRUMS SHALL BE CONSISTENT WITH THE CONTRACT DOCUMENTS.
- PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL SUBMIT ANY PROPOSED CHANGES IN CONSTRUCTION SEQUENCE AND/OR MAINTENANCE AND PROTECTION OF TRAFFIC PLANS FOR REVIEW BY THE ENGINEER.
- ALTERNATING ONE-WAY TRAFFIC MAY BE MAINTAINED DURING WORKING HOURS IN ACCORDANCE WITH THE MAINTENANCE AND PROTECTION OF TRAFFIC PLANS. HOWEVER, THE CONTRACTOR SHALL BE REQUIRED UNLESS OTHERWISE NOTED IN THE TRAFFIC CONTROL PLANS TO PROVIDE TWO UNOBSTRUCTED LANES FOR TWO-WAY TRAFFIC DURING NON-WORKING HOURS. FLAGGERS WILL BE REQUIRED TO USE RADIO OR SIMILAR CONTACT WHEN THEY ARE MAINTAINING ONE WAY TRAFFIC WHEN ONE FLAGGER IS NOT VISIBLE TO THE OTHER. THE COST OF ANY RADIO OR FIELD TELEPHONES USED SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC.
- THE COST OF PROVIDING AND MAINTAINING SAFE AND ADEQUATE INGRESS AND EGRESS TO AND FROM INTERSECTING HIGHWAYS, HOMES, AND COMMERCIAL ESTABLISHMENTS WILL BE MAINTAINED AT ALL TIMES TO THE SATISFACTION OF THE OWNER, SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01. THIS INCLUDES ANY TEMPORARY ASPHALT CONCRETE PLACED TO MAINTAIN THIS ACCESS.
- IF THE OWNER NOTIFIES THE CONTRACTOR OR HIS SUPERINTENDENT OF ANY HAZARDOUS CONSTRUCTION PRACTICES, ALL OPERATION IN THAT AREA SHALL BE DISCONTINUED AND IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO THE SATISFACTION OF THE OWNER BEFORE WORK IS RESUMED.
- IN ORDER TO MAINTAIN EFFECTIVE TRAFFIC CONTROL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL SIGNS, CONES, FLASHERS, TUBULAR MARKERS, DRUMS, ETC. ARE IN PLACE AND IN GOOD CONDITION. THE SOLE JUDGE OF THE EFFECTIVENESS OF THE CONTRACTOR'S EFFORTS TOWARD THE PROTECTION OF TRAFFIC AND PERSONNEL SHALL BE THE OWNER.
- THE CONTRACTOR SHALL BACKFILL ALL OPEN EXCAVATIONS OR PROVIDE PINNED ROAD PLATES TO COVER ALL TRENCH EXCAVATIONS DURING NON-WORKING HOURS. ROAD PLATES SHALL ALSO BE PLACED ON SUBGRADE, SUBBASE COURSES, OR BASE COURSES TO PROTECT SHALLOW UTILITY FACILITIES FROM WHEEL LOADINGS DUE TO CONSTRUCTION VEHICLES AND EQUIPMENT. THE COST FOR ROAD PLATES SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT PEDESTRIAN AND TRAFFIC IS TO BE MAINTAINED THROUGH OR AROUND THE PROJECT FOR THE DURATION OF CONSTRUCTION. MATERIAL, EQUIPMENT OR OTHER SUCH BARRIERS SHALL NOT BE PLACED OR PARKED SO AS TO OBSTRUCT PEDESTRIAN/BICYCLE TRAFFIC OR PRESENT A SAFETY HAZARD TO THE PUBLIC, NOR SHALL THEIR PLACEMENT CAUSE THE LOSS OF VEGETATION OR CREATE ENVIRONMENTAL PROBLEMS.
- THE MINIMUM WIDTH OF ALL TRAVEL LANES DURING CONSTRUCTION SHALL BE THREE (3) METERS. PRIOR TO ANY REDUCTION IN EXISTING LANE WIDTH(S), THE CONTRACTOR SHALL PROVIDE THE CITY OF TROY WITH FIVE (5) WORKING DAYS NOTICE SO THE CITY MAY INFORM RESIDENTS OF THE WIDTH REDUCTIONS IN A TIMELY MANNER.
- EMERGENCY CALL OUT LIST: THE CONTRACTOR SHALL PROVIDE THE CITY OF TROY, AT THE TIME OF THE PRECONSTRUCTION MEETING, WITH A LIST OF A MINIMUM OF FOUR (4) RESPONSIBLE PERSONNEL, AVAILABLE ON A 24 HOUR BASIS, FOR CALL OUT IF CONDITIONS ARISE THAT REQUIRE THE CONTRACTOR'S ATTENTION AT THE CONSTRUCTION SITE. IN ADDITION TO PROVIDING ON AND OFF HOURS PHONE NUMBERS, ALL PERSONS ON THE CALL OUT LIST SHALL BE EQUIPPED WITH TELEPHONE CALL ACTIVATED PAGING DEVICES WHICH DISPLAY THE CALL BACK NUMBER, OR OTHER APPROVED PAGING DEVICES. ANY PERSON ON THE EMERGENCY CALL OUT LIST SHALL HAVE THE AUTHORITY TO PROMPTLY CALL OUT PERSONNEL AND RESOURCES NECESSARY TO RESPOND TO AN EMERGENCY AND PROTECT THE PUBLIC. THE CALL OUT LIST SHALL ALSO INCLUDE FIELD OFFICE AND MAIN OFFICE TELEPHONE NUMBERS AND BE UPDATED AS CHANGES OCCUR.
- ALL TRAFFIC CONTROL DEVICES, SIGNS, AND DELINEATION SHALL BE PLACED IN ACCORDANCE WITH THE M.U.T.C.D. LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATIONS SHALL BE AS REVIEWED BY THE ENGINEER. CONSTRUCTION SIGNS SHALL BE COVERED OR REMOVED WHEN THE WORK THEY PERTAIN TO IS NOT IN PROGRESS.

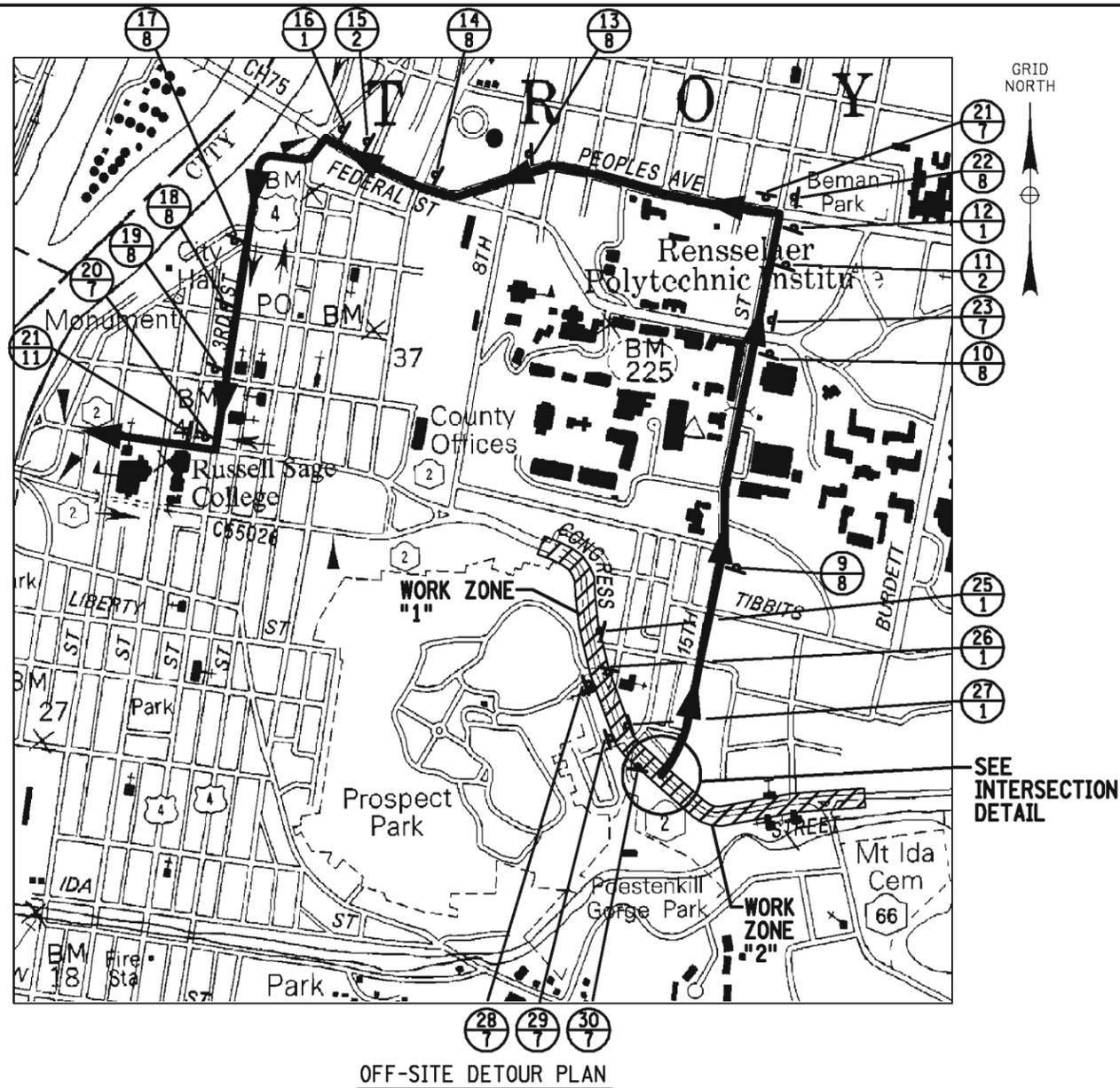
- NIGHTTIME OPERATIONS (FROM 9:00 PM TO 7:00 AM) WILL BE ALLOWED ON THE PROJECT DURING CONSTRUCTION STAGES 2A AND 2B, WHEN ALTERNATING ONE-WAY TRAFFIC IS NECESSARY AND WHEN AN EMERGENCY CONDITION EXISTS, SUCH AS REPAIR TO DAMAGED UTILITIES OR CORRECTION OF CONDITIONS DEEMED A HAZARD TO THE PUBLIC BY THE ENGINEER. THE CITY SHALL BE THE SOLE JUDGE OF WHAT CONSTITUTES A NEED FOR NIGHTTIME WORK. THESE NON-WORK HOURS MAY BE ADJUSTED DURING THE PROJECT WITH THE CONCURRENCE OF THE CITY ENGINEER. COST TO MAINTAIN NIGHTTIME OPERATIONS SHALL BE PAID UNDER ITEM 619.24.
- TRAFFIC SIGNALS - THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ANY EXISTING TRAFFIC SIGNAL EQUIPMENT WITHIN THE PROJECT LIMITS. IF THE TRAFFIC SIGNAL EQUIPMENT IS DAMAGED BY THE CONTRACTOR'S ACTIONS, THE EQUIPMENT MUST BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY. MAINTENANCE OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE PAID UNDER ITEM 619.1611 - TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT A). PROVISIONS SHALL BE MADE TO MAINTAIN ACCESS FOR BUSES TO ENTER AND LEAVE THE WORK AREA AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE WITH CDTA DURING CONSTRUCTION DUE TO CHANGES IN TRAVEL PATTERNS.
- ANY LANE WHICH HAS BEEN CLOSED TO TRAFFIC MAY BE ORDERED REOPENED BY THE CITY OR THE POLICE. SHOULD THIS BE ORDERED, THE CONTRACTOR IS TO REOPEN THE LANE TO TRAFFIC AS RAPIDLY AS POSSIBLE. THE COST FOR ANY ASSOCIATED WORK SHALL BE INCLUDED UNDER ITEM 619.01 - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC.
- IF, IN THE OPINION OF THE CITY, CONSTRUCTION OPERATIONS PRODUCE AN OBJECTIONABLE RIDING SURFACE DUE TO ABRUPT TRANSITIONS, TEMPORARY ASPHALT RAMPS SHALL BE REQUIRED. COST TO BE INCLUDED UNDER ITEM 619.01.
- ANY EXISTING REGULATORY, WARNING OR GUIDE SIGNS WHICH, IN THE OPINION OF THE CITY, WOULD CAUSE CONFUSION TO THE MOTORISTS DURING CONSTRUCTION SHALL BE COVERED WITH AN OPAQUE MATERIAL. PAYMENT SHALL BE INCLUDED UNDER ITEM 619.01 - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC.
- WHEN DRUMS, CONES, VERTICAL PANELS OR TUBULAR MARKERS ARE USED IN CONTROLLING THE MOVEMENT OF TRAFFIC THROUGH THE WORK AREAS, THE CONTRACTOR SHALL TAKE WHATEVER STEPS ARE NECESSARY TO PREVENT THEM FROM BEING BLOWN OVER OR DISPLACED BY PASSING VEHICLES. THE CONTRACTOR SHALL ACCOMPLISH THIS BY DOUBLING CONES, BY THE USE OF SAND BAG RINGS OR BY OTHER MEANS AS APPROVED BY THE OWNER WHICH SHALL NOT PRESENT A HAZARD TO MOTORISTS OR WORKERS IF THE CONES, DRUMS, VERTICAL PANELS OR TUBULAR MARKERS ARE STRUCK.
- SAW CUTTING OF THE EXISTING PAVEMENT SHALL BE REQUIRED TO FACILITATE THE TRAFFIC MAINTENANCE PROCEDURES. PAYMENT SHALL BE MADE UNDER ITEM 619.01.
- THE PURPOSE OF THE MAINTENANCE AND PROTECTION OF TRAFFIC SCHEMES SHOWN IN THE PLANS AND THE M.U.T.C.D. IS TO PROTECT THE TRAVELING PUBLIC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THEIR WORKERS. THE COST OF ADDITIONAL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR THEIR PROTECTION SHALL BE INCLUDED UNDER ITEM 619.01 - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING REVOLVING, FLASHING AMBER LIGHTS ON ALL CONSTRUCTION EQUIPMENT AND SUPERVISORY VEHICLES.
- IF AT ANY TIME, IN THE OPINION OF THE OWNER, CONDITIONS WARRANT MODIFICATIONS TO THE SCHEMES SHOWN ON ANY OF THE TRAFFIC CONTROL PLANS, THE CONTRACTOR SHALL PERFORM THE MODIFICATIONS.
- THE CONTRACTOR SHALL DESIGNATE ONE INDIVIDUAL TO BE RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC. THIS INDIVIDUAL SHALL ENSURE THAT CONDITIONS ON THE SITE ARE ADEQUATE FOR PUBLIC SAFETY AND CONVENIENCE AT ALL TIMES. PAYMENT FOR THIS INDIVIDUAL SHALL BE INCLUDED UNDER ITEM 619.01 - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC.
- WHERE PEDESTRIAN TRAFFIC MUST BE RELOCATED OR RE-ROUTED OFF THE EXISTING FACILITY, WALKWAYS SHALL BE CLEARLY MARKED AND HAVE A LOGICAL START AND TERMINUS. ALL WALK SURFACES AND GRADES SHALL BE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT OF 1991. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER ITEM 619.01 - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC. SEE TYPICAL SIDEWALK CLOSURE DETAIL ON DWG. TCP-9.
- ALL CONSTRUCTION SIGNS SHALL BE NEW UNLESS APPROVED BY THE CITY AND SHALL MEET ALL RETROREFLECTIVITY REQUIREMENTS OUTLINED IN THE MUTCD.
- CONTRACTOR SHALL ENSURE ACCESS FOR EMERGENCY VEHICLES WILL BE MAINTAINED AT ALL TIMES.
- WHILE CONSTRUCTING NEAR POESTENKILL GORGE, CONTRACTOR MUST PREVENT DEBRIS AND CONSTRUCTION MATERIAL FROM FALLING IN GORGE. IN ADDITION, CONTRACTOR IS RESPONSIBLE FOR PUTTING FALL PROTECTION IN PLACE FOR WORKER SAFETY. PAYMENT SHALL BE INCLUDED UNDER ITEM 619.01 - BASIC MAINTENANCE AND PROTECTION OF TRAFFIC. CONCRETE BARRIER SHALL BE USED BETWEEN THE TRAVELWAY AND THE GORGE AREA AT ALL TIMES FROM WHEN THE EXISTING GUIDERAIL IS REMOVED UNTIL THE OVERLOOK WALL IS COMPLETE. PAYMENT FOR BARRIER SHALL BE UNDER ITEM 619.1701.

TIME/DATE RESTRICTIONS

- UNLESS OTHERWISE APPROVED BY THE CITY, THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 7:00 AM - 9:00 AM AND 3:00 PM - 7:00 PM. ALTERNATING ONE-WAY TRAFFIC MAY BE USED OUTSIDE THESE HOURS, UNLESS SPECIFIED OTHERWISE BY THE CITY.
- THERE SHALL BE NO CONSTRUCTION WORK OR TEMPORARY LANE CLOSURES DURING THE FOLLOWING HOLIDAY DATES:

2011	2012
MAY 27-30	MAY 25-28
JULY 1-4	JULY 3-8
SEPT 2-5	AUG 31 - SEPT 3
OCT 7-10	OCT 5-8
NOV 23-27	NOV 21-25
DEC 23 - JAN 2	DEC 21 - JAN 3

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
SIGNATURE _____	DATE _____	COUNTY: RENSSELAER	TRAFFIC CONTROL NOTES		DRAWING NO. TCP-1 SHEET NO. 14	
DOCUMENT NAME: 175339AA_TCP.DGN						



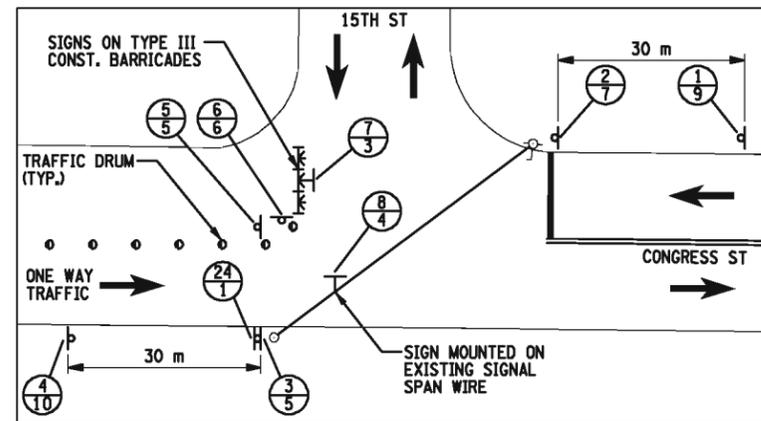
OFF-SITE DETOUR PLAN
 N.T.S.

- NOTES:
- SIGN LOCATIONS SHOWN ON OFF-SITE DETOUR PLAN ARE APPROXIMATE AND SHOULD ONLY BE USED AS A GUIDE. EXACT LOCATION OF SIGNS TO BE IN ACCORDANCE WITH THE 2009 MUTCD WITH NYS SUPPLEMENT, AS APPLICABLE, AND AS APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
 - OFF-SITE DETOUR PLAN SHALL BE USED TO ALLOW 1-WAY TRAFFIC IN ZONE "1" OF CONSTRUCTION. (SEE DWG. CS-1 FOR DESCRIPTION OF WORK ZONES). TYPICAL 1-WAY OPERATIONS WITHIN WORK ZONE "1" IS SHOWN ON DWG. TCP-3.

LEGEND	
	LOCATION TEXT
	CONSTRUCTION SIGN TO BE INSTALLED
	DETOUR ROUTE/DIRECTION
	PROJECT LOCATION
	TRAFFIC DRUM
	TYPE III BARRICADE

DETOUR CONSTRUCTION SIGNS ITEM 619.01			
TEXT NUMBER	LOCATION NUMBER	TEXT	MUTCD NUMBER
1	12, 16, 24, 25, 26, 27		M4-8
			M3-4
			NYM3-1
			M6-1 (L)
2	11, 15		M4-8
			M3-4
			NYM3-1
			M5-1 (L)
3	7		R11-2
			M4-10 (R)
4	8		R3-2
5	3, 5		R5-1

DETOUR CONSTRUCTION SIGNS ITEM 619.01			
TEXT NUMBER	LOCATION NUMBER	TEXT	MUTCD NUMBER
6	6		R6-1 (L)
7	2, 20, 21, 23, 28, 29, 30		M4-8
			M3-4
			NYM3-1
			M6-1 (R)
8	9, 10, 13, 14, 17, 18, 19, 22		M4-8
			M3-4
			NYM3-1
			M6-3
9	1		W20-2
10	4		W6-3
			W16-9P
11	21		M3-4
			NYM3-1



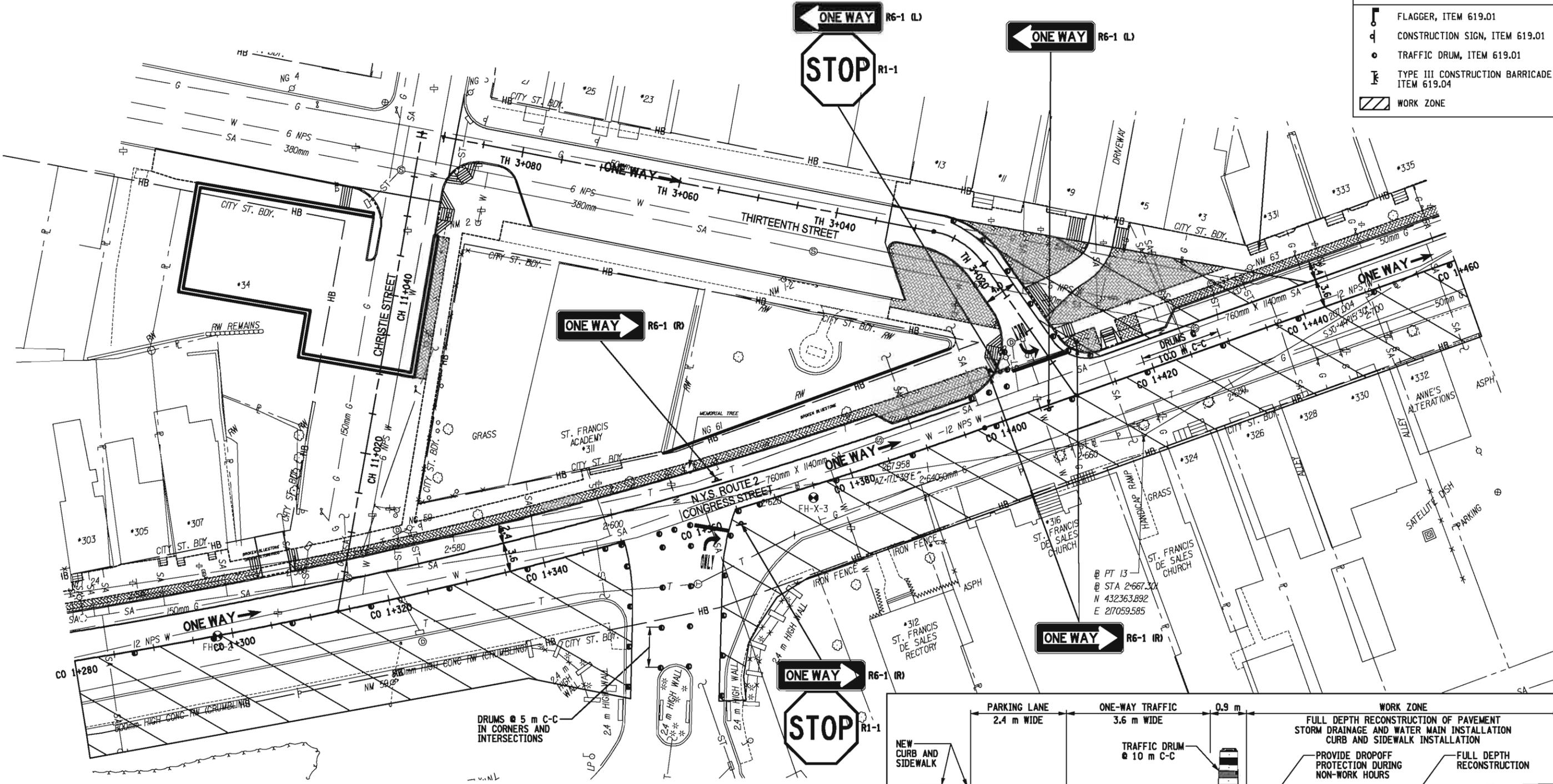
INTERSECTION DETAIL
 N.T.S.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY	TRAFFIC DETOUR PLAN		DRAWING NO. TCP-2 SHEET NO. 15	
DOCUMENT NAME: 175339AB_TCP.DGN		© 2011 LABERGE ENGINEERING & CONSULTING GROUP LTD. 4 Computer Drive West - Albany, New York 12206 (518) 458-7112 - www.labergegroup.com				



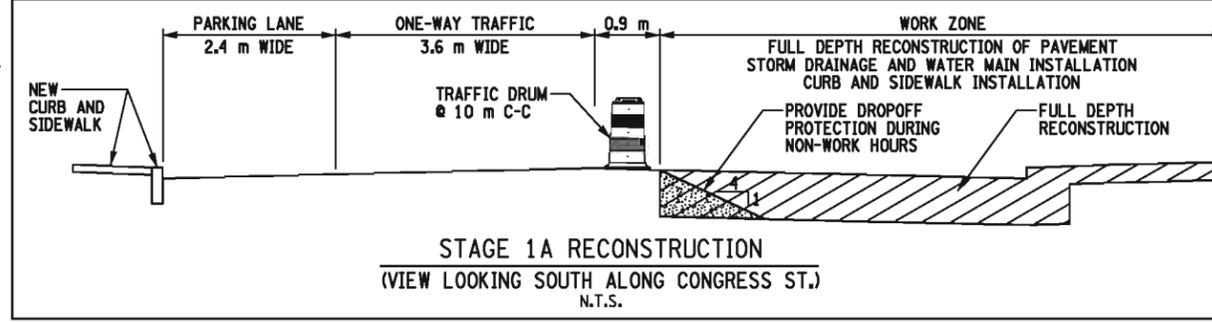


LEGEND	
	FLAGGER, ITEM 619.01
	CONSTRUCTION SIGN, ITEM 619.01
	TRAFFIC DRUM, ITEM 619.01
	TYPE III CONSTRUCTION BARRICADE ITEM 619.04
	WORK ZONE



DRUMS @ 5 m C-C
 IN CORNERS AND
 INTERSECTIONS

TYPICAL STAGE 1A WORKZONE
 STA CO 1+050 TO STA CO 1+620
 N.T.S.



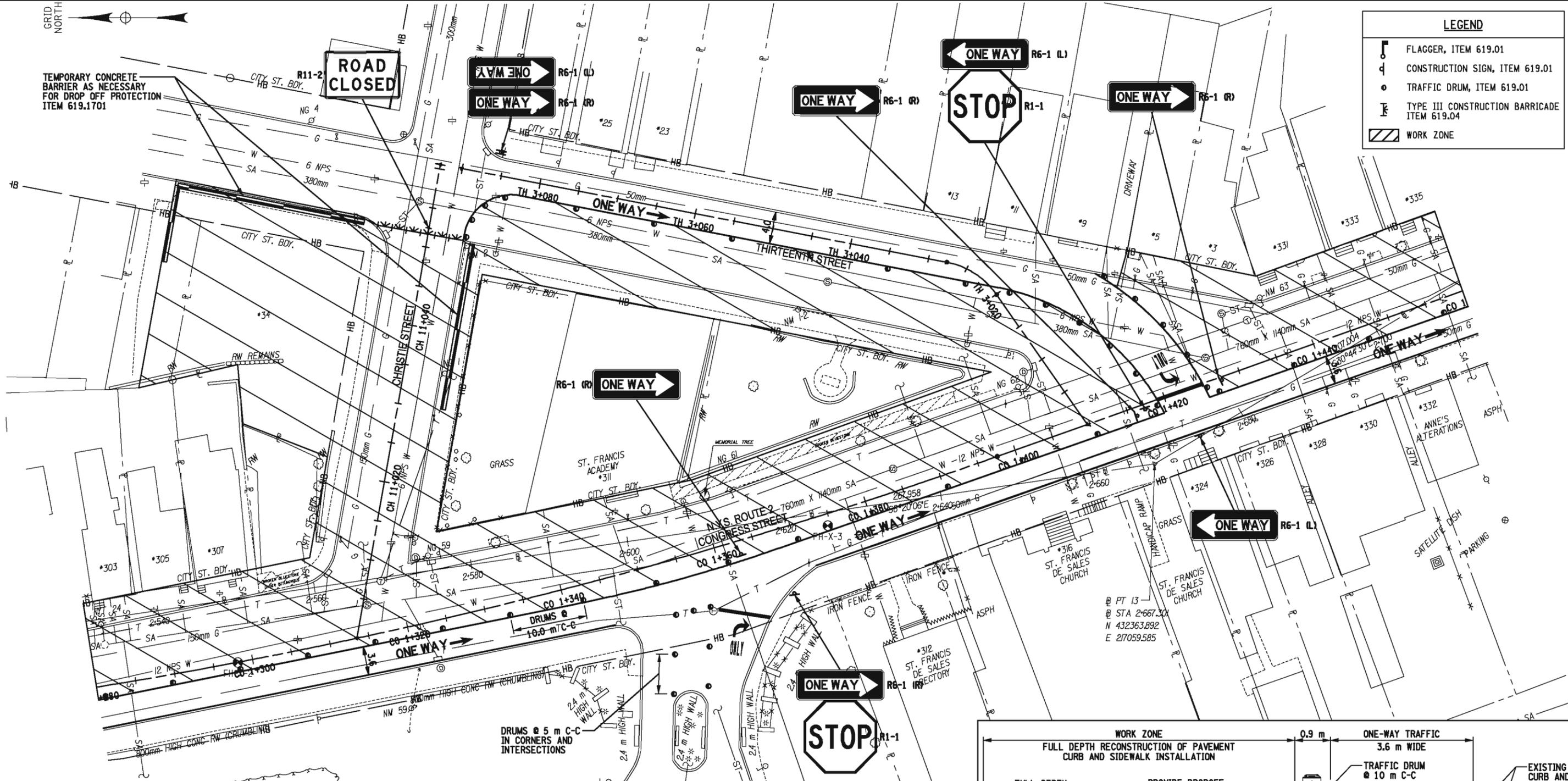
NOTE:
 THE TYPICAL WORK ZONE SCHEME SHOWN ON THIS SHEET
 SHOULD BE USED AS A GUIDELINE TO ADDRESS ALL STAGE 1
 WORK BETWEEN STA CO 1+050 TO STA CO 1+620 (ZONE "1")
 IN CONJUNCTION WITH THE DETOUR SHOWN ON DWG. TCP-2.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY	TRAFFIC CONTROL PLAN		DRAWING NO. TCP-3 SHEET NO. 16	
DOCUMENT NAME: 175339AD_TCP.DGN		Laberge Group ENGINEERING ARCHITECTURE SURVEYING PLANNING © 2011 LABERGE ENGINEERING & CONSULTING GROUP LTD. 4 Computer Drive West - Albany, New York 12205 (518) 458-7112 - www.labergegroup.com				



TEMPORARY CONCRETE BARRIER AS NECESSARY FOR DROP OFF PROTECTION ITEM 619.1701

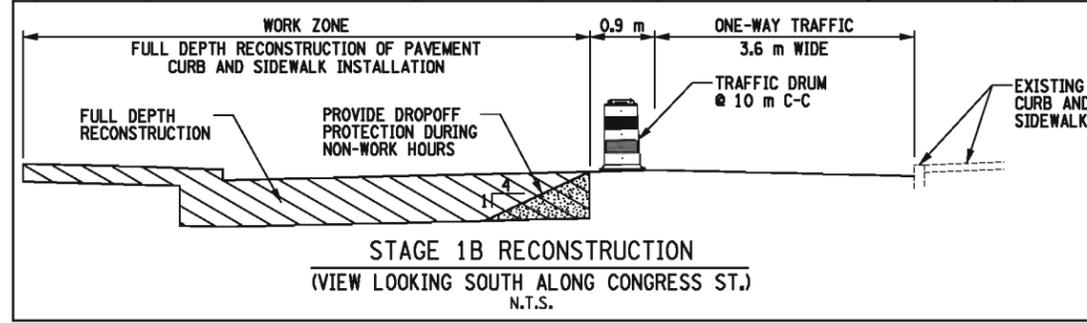
LEGEND	
	FLAGGER, ITEM 619.01
	CONSTRUCTION SIGN, ITEM 619.01
	TRAFFIC DRUM, ITEM 619.01
	TYPE III CONSTRUCTION BARRICADE ITEM 619.04
	WORK ZONE



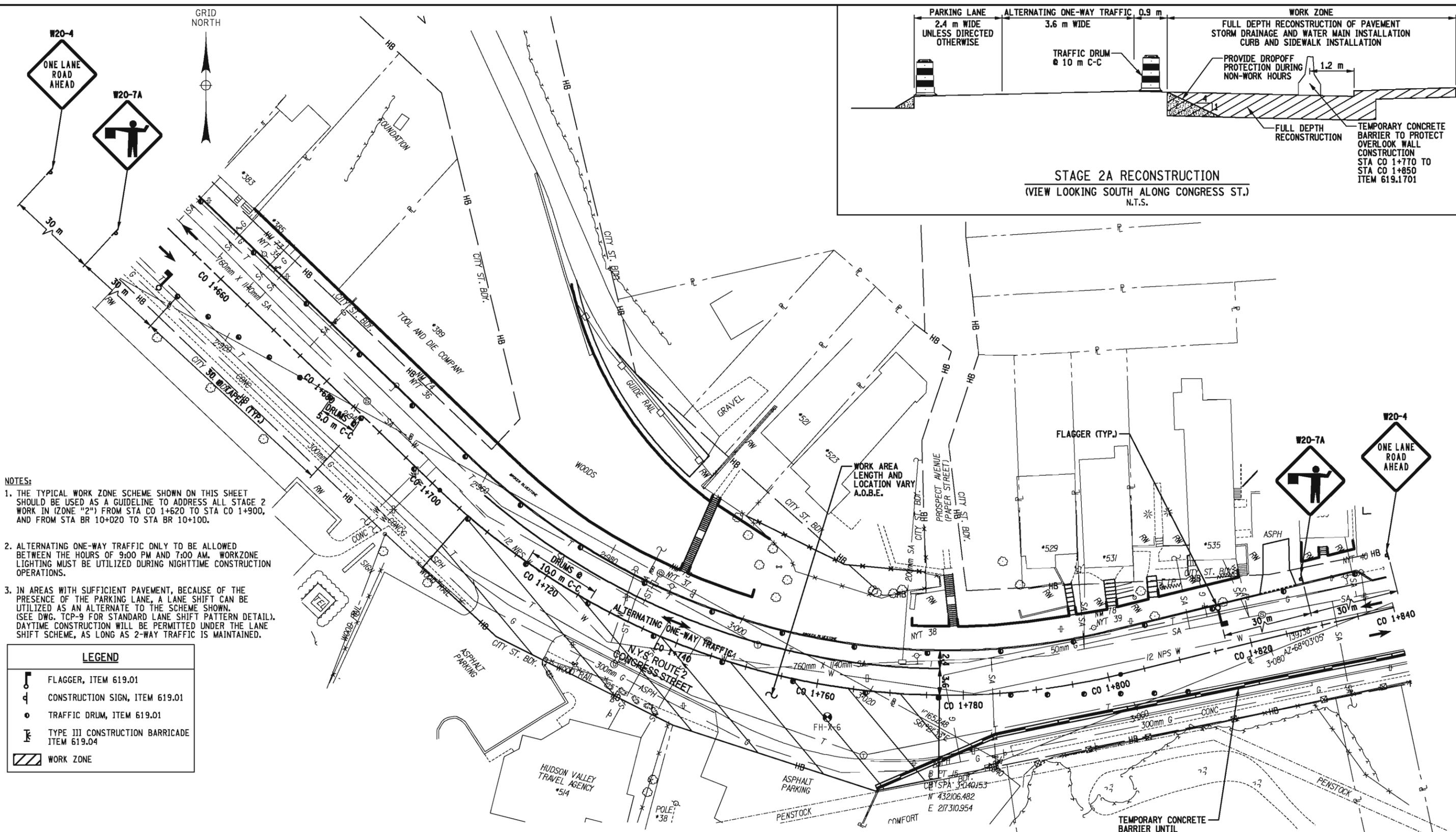
DRUMS @ 5 m C-C IN CORNERS AND INTERSECTIONS

TYPICAL STAGE 1B WORKZONE
 STA CO 1+050 TO STA CO 1+620
 N.T.S.

NOTE:
 THE TYPICAL WORK ZONE SCHEME SHOWN ON THIS SHEET SHOULD BE USED AS A GUIDELINE TO ADDRESS ALL STAGE 1 WORK BETWEEN STA CO 1+050 TO STA CO 1+620 (ZONE "1") IN CONJUNCTION WITH THE DETOUR SHOWN ON DWG. TCP-2.



AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY		TRAFFIC CONTROL PLAN	DRAWING NO. TCP-4 SHEET NO. 17
DATE _____	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AC_TCP.DGN					



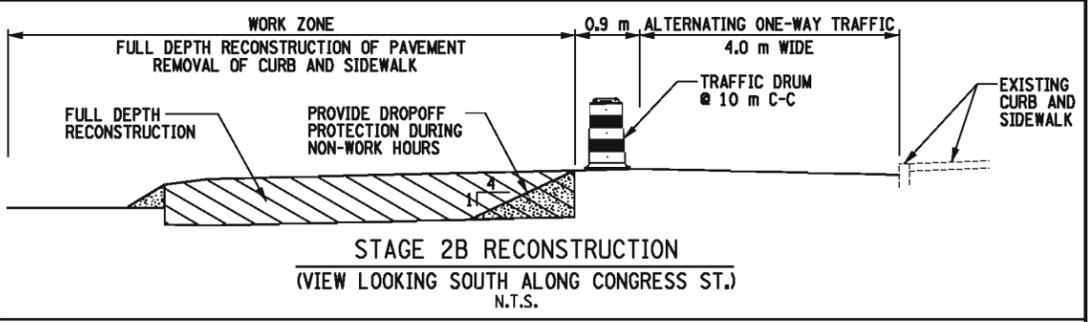
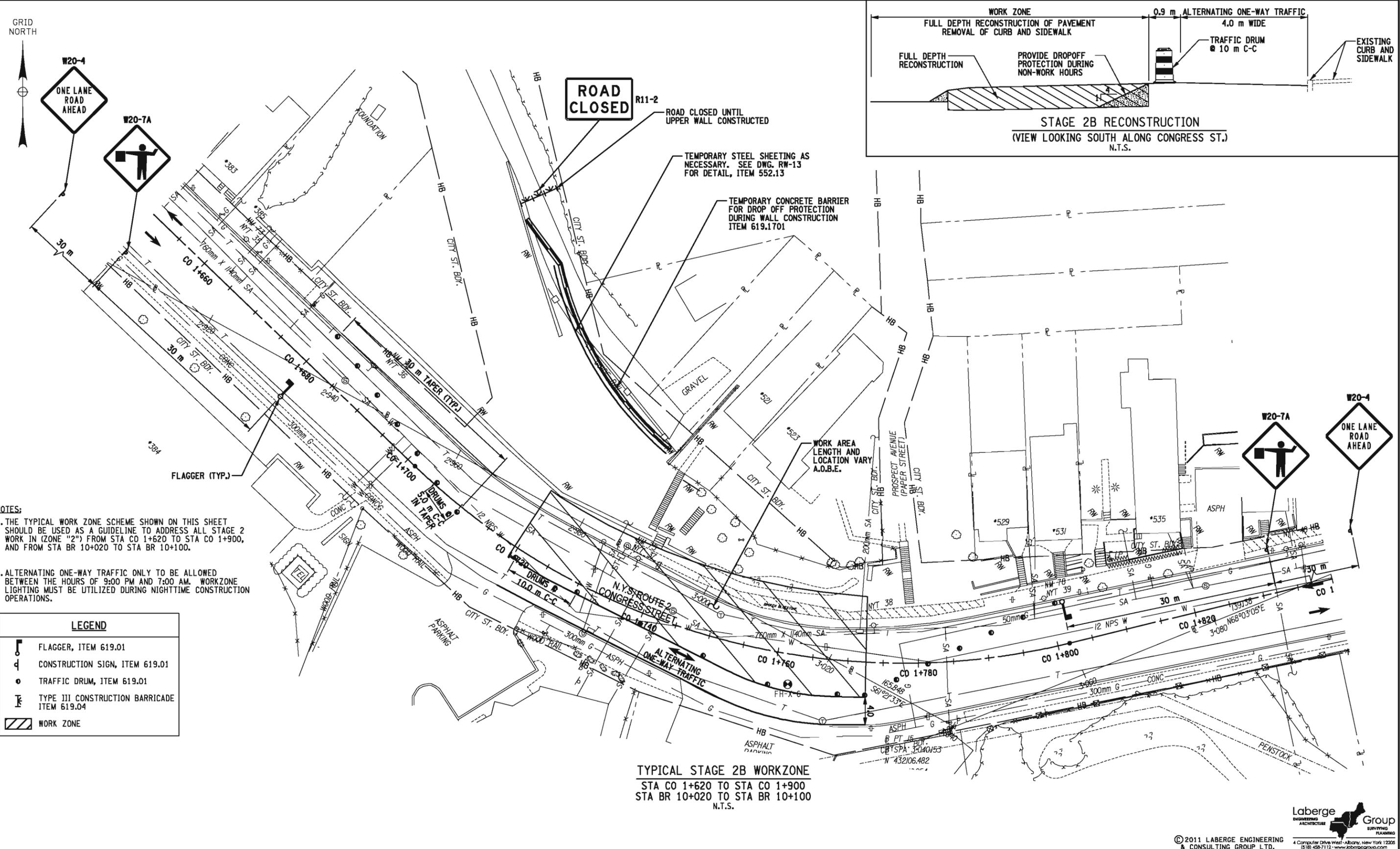
- NOTES:**
1. THE TYPICAL WORK ZONE SCHEME SHOWN ON THIS SHEET SHOULD BE USED AS A GUIDELINE TO ADDRESS ALL STAGE 2 WORK IN (ZONE "2") FROM STA CO 1+620 TO STA CO 1+900, AND FROM STA BR 10+020 TO STA BR 10+100.
 2. ALTERNATING ONE-WAY TRAFFIC ONLY TO BE ALLOWED BETWEEN THE HOURS OF 9:00 PM AND 7:00 AM. WORKZONE LIGHTING MUST BE UTILIZED DURING NIGHTTIME CONSTRUCTION OPERATIONS.
 3. IN AREAS WITH SUFFICIENT PAVEMENT, BECAUSE OF THE PRESENCE OF THE PARKING LANE, A LANE SHIFT CAN BE UTILIZED AS AN ALTERNATE TO THE SCHEME SHOWN. (SEE DWG. TCP-9 FOR STANDARD LANE SHIFT PATTERN DETAIL). DAYTIME CONSTRUCTION WILL BE PERMITTED UNDER THE LANE SHIFT SCHEME, AS LONG AS 2-WAY TRAFFIC IS MAINTAINED.

LEGEND	
	FLAGGER, ITEM 619.01
	CONSTRUCTION SIGN, ITEM 619.01
	TRAFFIC DRUM, ITEM 619.01
	TYPE III CONSTRUCTION BARRICADE ITEM 619.04
	WORK ZONE

TYPICAL STAGE 2A WORKZONE
 STA CO 1+620 TO STA CO 1+900
 STA BR 10+020 TO STA BR 10+100
 N.T.S.

TEMPORARY CONCRETE BARRIER UNTIL OVERLOOK WALL IS COMPLETE. STA CO 1+770 TO STA CO 1+850 ITEM 619.1701

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	DATE _____	PS&E DATE: 1/10/11	THE CITY OF TROY		TRAFFIC CONTROL PLAN	DRAWING NO. TCP-5 SHEET NO. 18

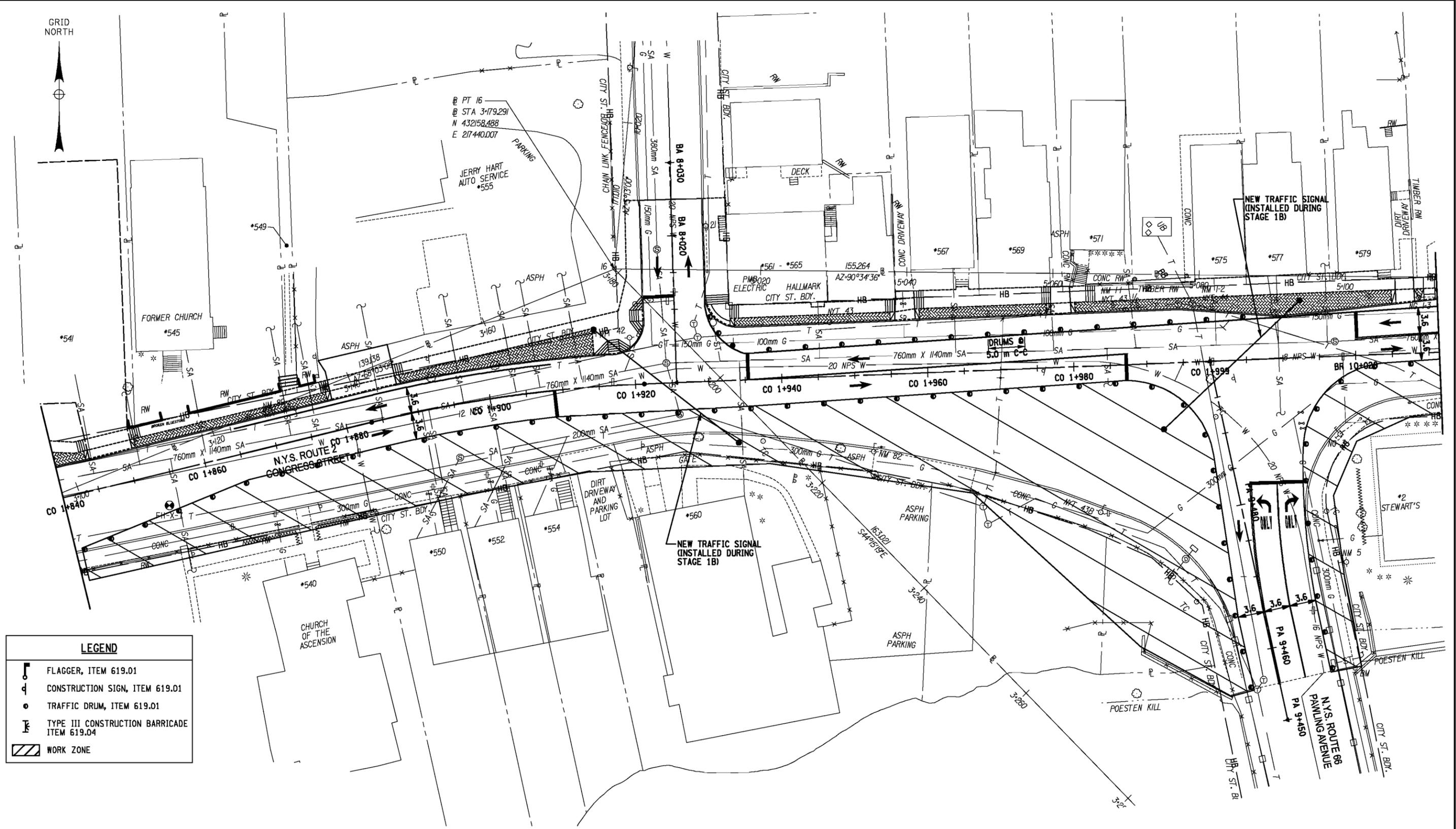


- NOTES:**
1. THE TYPICAL WORK ZONE SCHEME SHOWN ON THIS SHEET SHOULD BE USED AS A GUIDELINE TO ADDRESS ALL STAGE 2 WORK IN (ZONE "2") FROM STA CO 1+620 TO STA CO 1+900, AND FROM STA BR 10+020 TO STA BR 10+100.
 2. ALTERNATING ONE-WAY TRAFFIC ONLY TO BE ALLOWED BETWEEN THE HOURS OF 9:00 PM AND 7:00 AM. WORKZONE LIGHTING MUST BE UTILIZED DURING NIGHTTIME CONSTRUCTION OPERATIONS.

LEGEND	
	FLAGGER, ITEM 619.01
	CONSTRUCTION SIGN, ITEM 619.01
	TRAFFIC DRUM, ITEM 619.01
	TYPE III CONSTRUCTION BARRICADE ITEM 619.04
	WORK ZONE

TYPICAL STAGE 2B WORKZONE
 STA CO 1+620 TO STA CO 1+900
 STA BR 10+020 TO STA BR 10+100
 N.T.S.

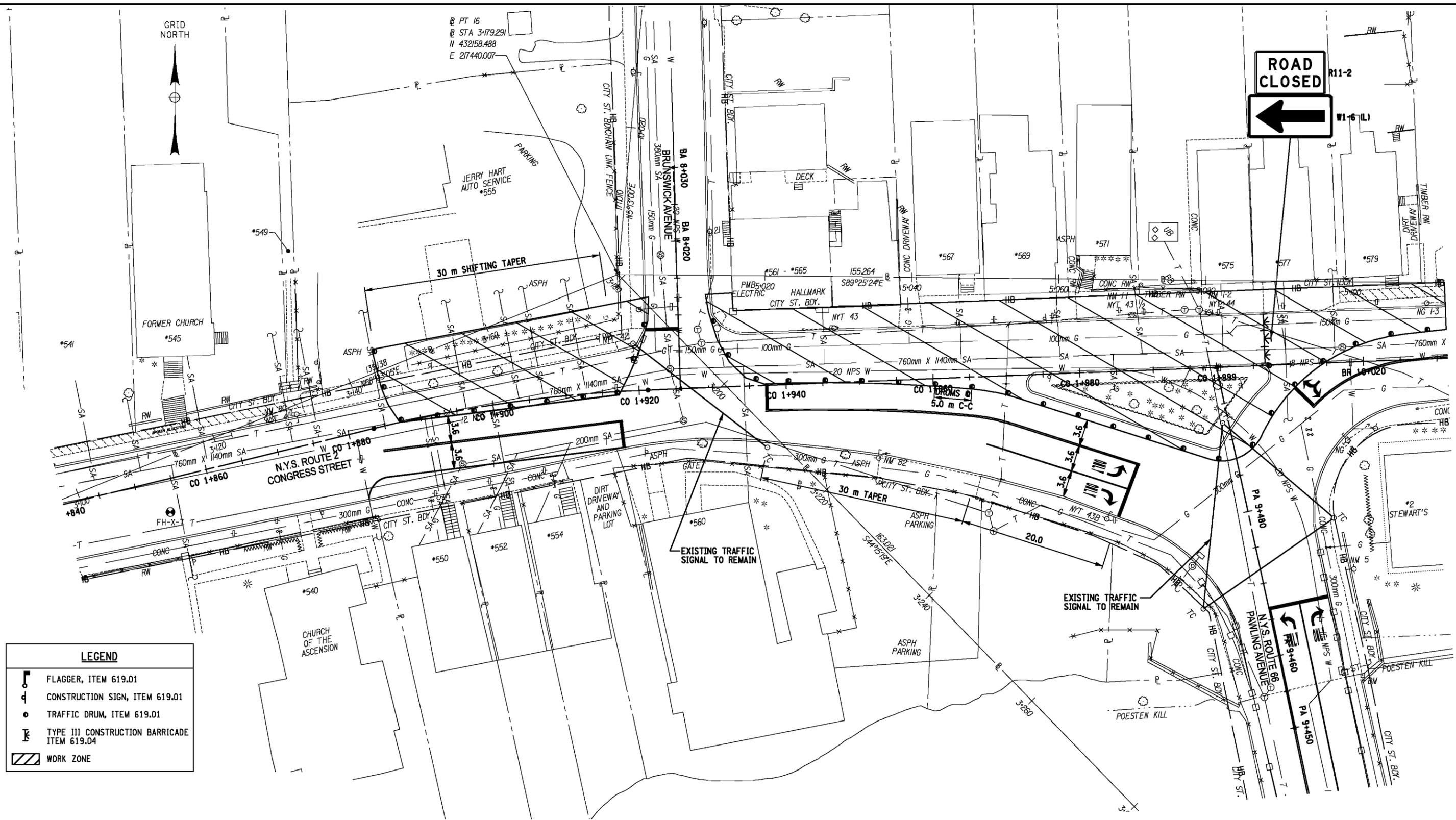
AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026					
	CITY OF TROY	PS&E DATE: 1/10/11	THE CITY OF TROY		TRAFFIC CONTROL PLAN	DRAWING NO. TCP-6 SHEET NO. 19
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
SIGNATURE	DATE	COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AE_TCP.DGN				



LEGEND	
	FLAGGER, ITEM 619.01
	CONSTRUCTION SIGN, ITEM 619.01
	TRAFFIC DRUM, ITEM 619.01
	TYPE III CONSTRUCTION BARRICADE ITEM 619.04
	WORK ZONE

STAGE 2A INTERSECTION WORKZONE DETAIL
 STA CO 1+900 TO STA BR 10+020
 N.T.S.

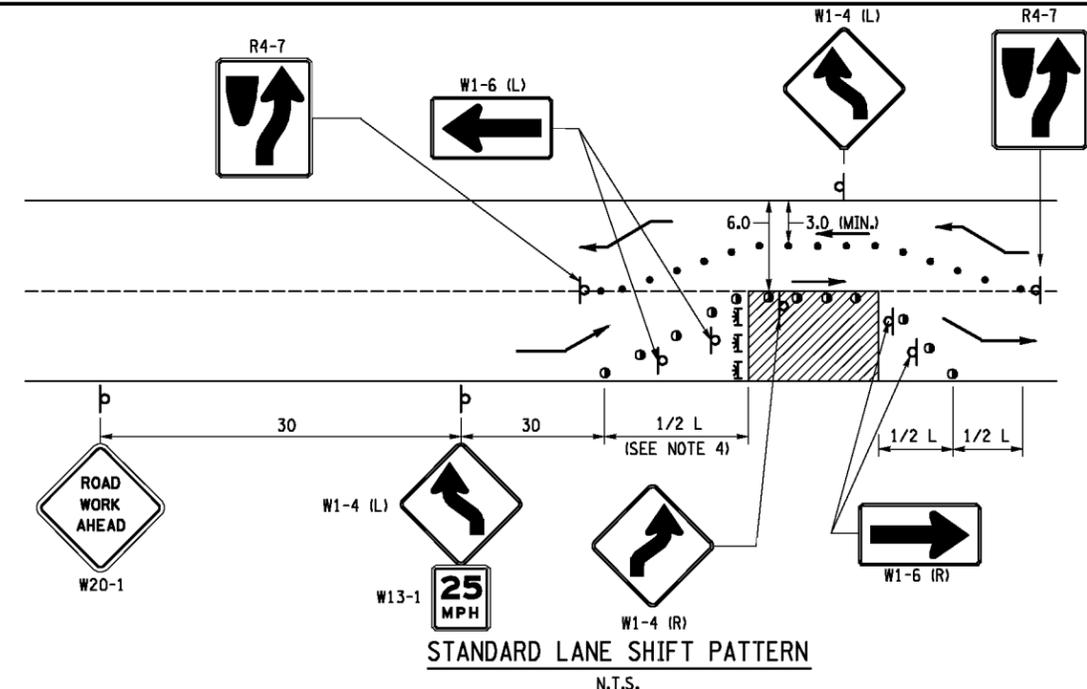
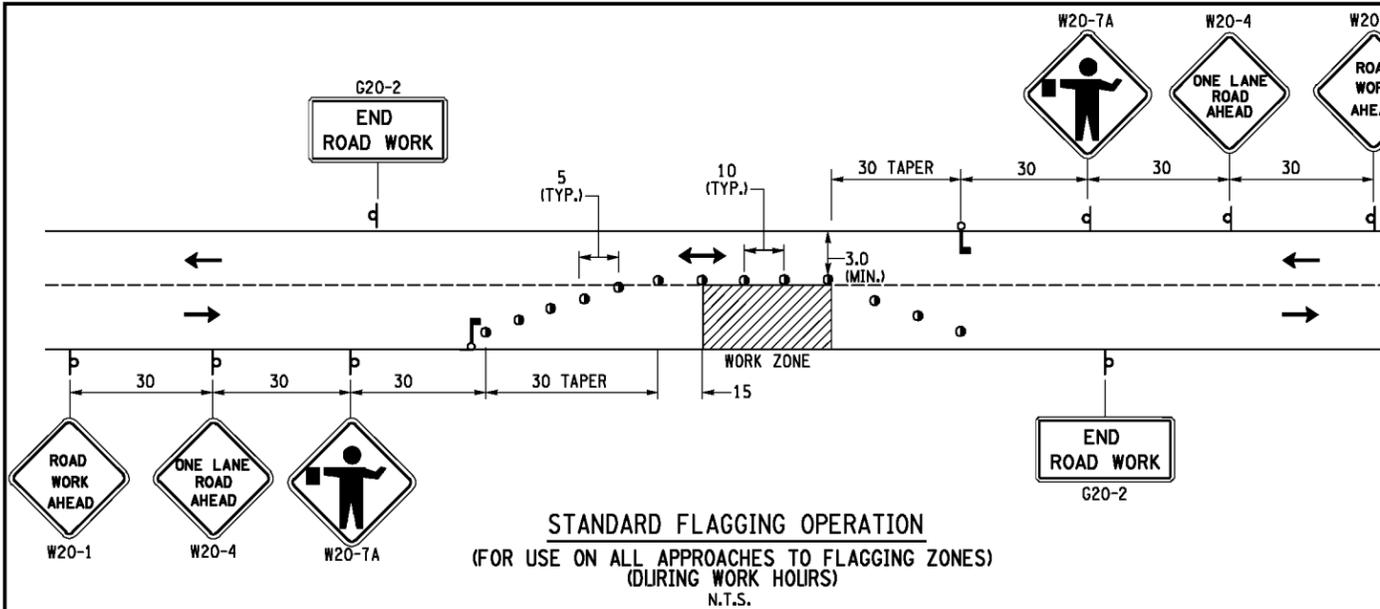
AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	CITY OF TROY				TRAFFIC CONTROL PLAN	DRAWING NO. TCP-7 SHEET NO. 20
DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AH_TCP.DGN					



LEGEND	
	FLAGGER, ITEM 619.01
	CONSTRUCTION SIGN, ITEM 619.01
	TRAFFIC DRUM, ITEM 619.01
	TYPE III CONSTRUCTION BARRICADE ITEM 619.04
	WORK ZONE

STAGE 2B INTERSECTION WORKZONE DETAIL
 STA CO 1+900 TO STA BR 10+020
 N.T.S.

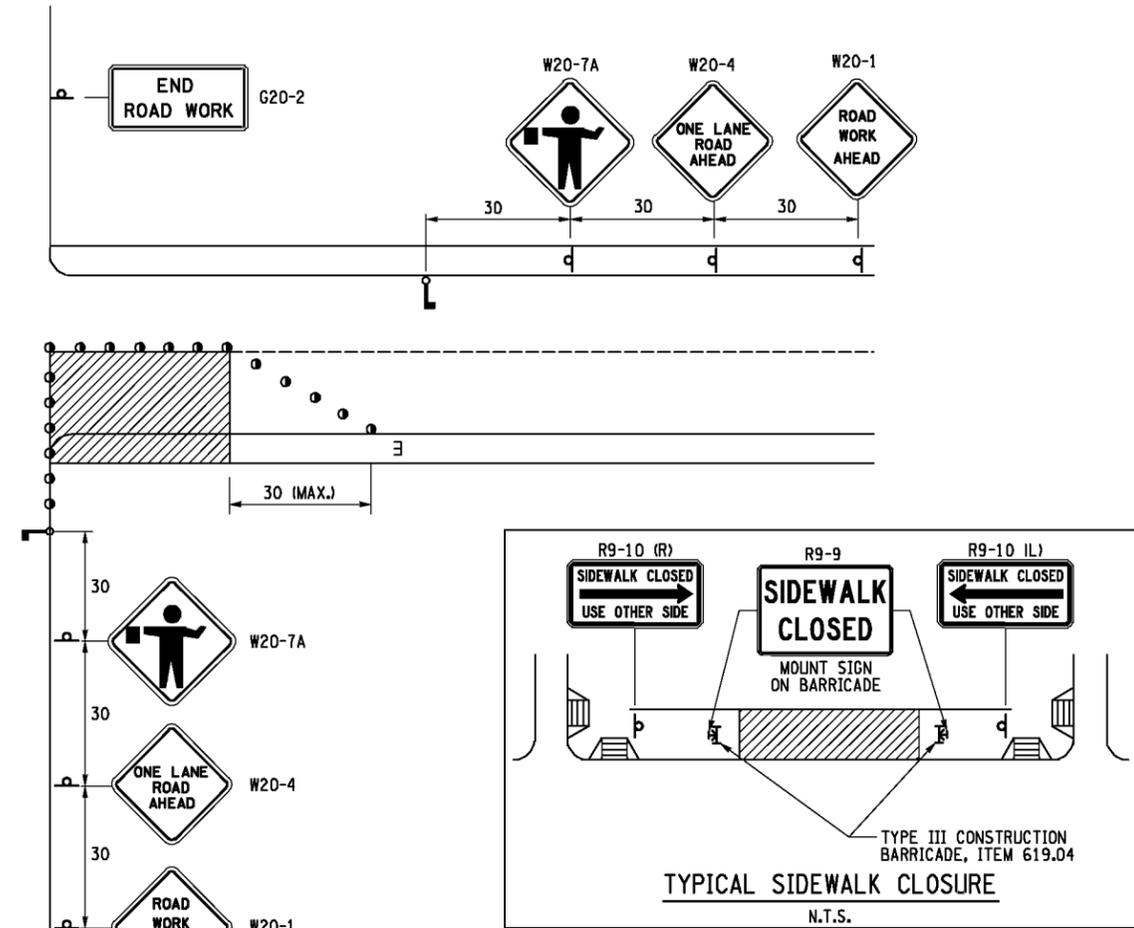
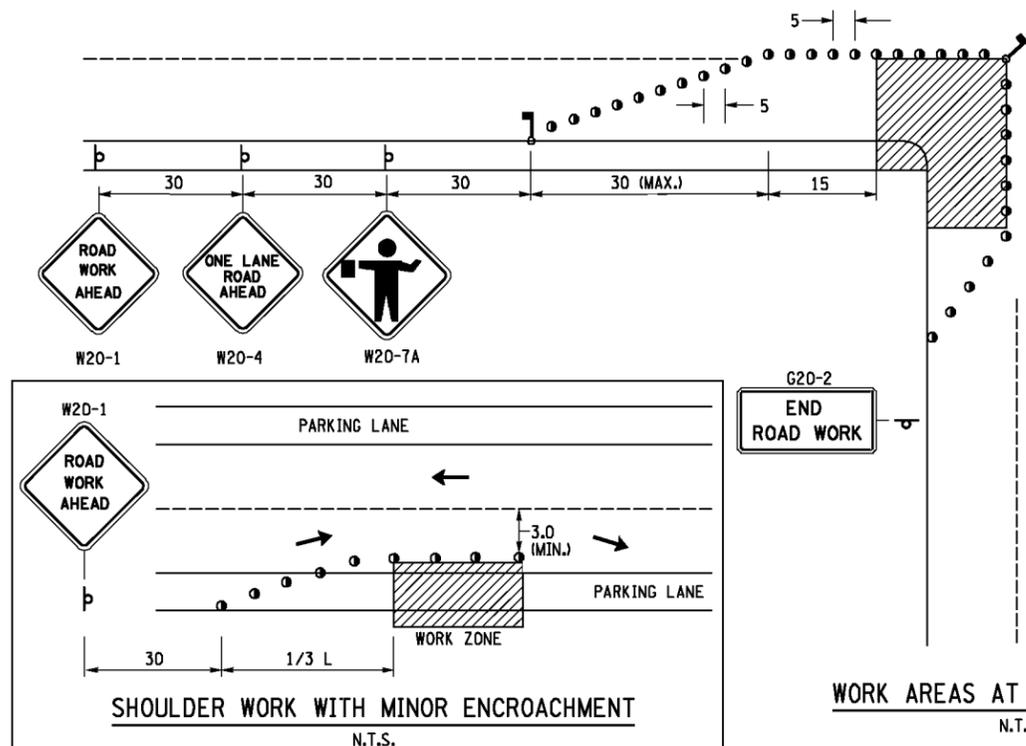
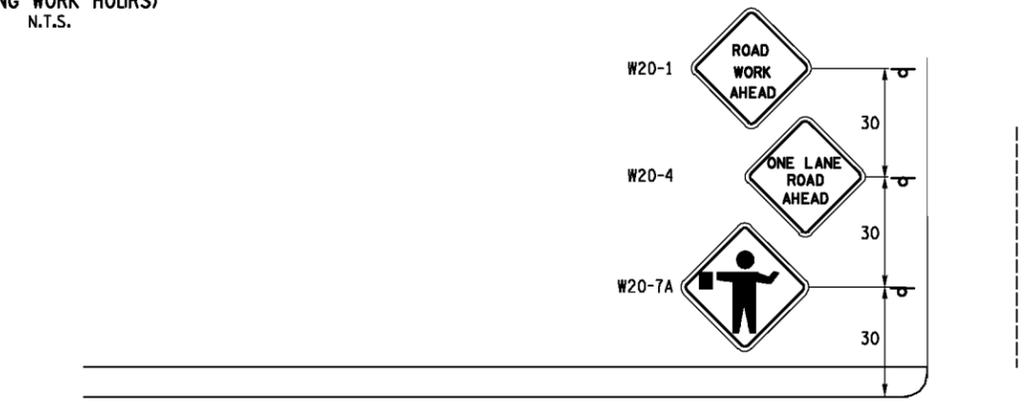
AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	DATE _____	CITY OF TROY			TRAFFIC CONTROL PLAN	
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AG_TCP.DGN				



- NOTES:**
1. TAPER DISTANCES MAY BE ADAPTED TO PREVAILING CONDITIONS AS DIRECTED BY THE ENGINEER.
 2. SPACING OF TRAFFIC DRUMS WILL BE 10 m IN TANGENT AREAS AND 5 m IN TAPER/CHANNELIZATION AREAS AND AT INTERSECTIONS.
 3. REFER TO M.U.T.C.D. FOR SIGNS WITH LISTED NUMBERS.
 4. THE TAPER LENGTH "L" IS FROM M.U.T.C.D. TABLE 6C-4 FOR A SPEED OF 50 KM/HR (30 MPH).
 5. FOR WORK ZONE TYPICALS OUTSIDE OF THOSE SHOWN IN THESE PLANS, CONTRACTOR SHALL REFERENCE M.U.T.C.D. PART 6.
 6. THE USE OF ALTERNATING ONE-WAY TRAFFIC DURING CONSTRUCTION SHALL BE ALLOWED BETWEEN THE HOURS OF 9:00 PM AND 7:00 AM ONLY (NIGHTTIME CONSTRUCTION).

LEGEND

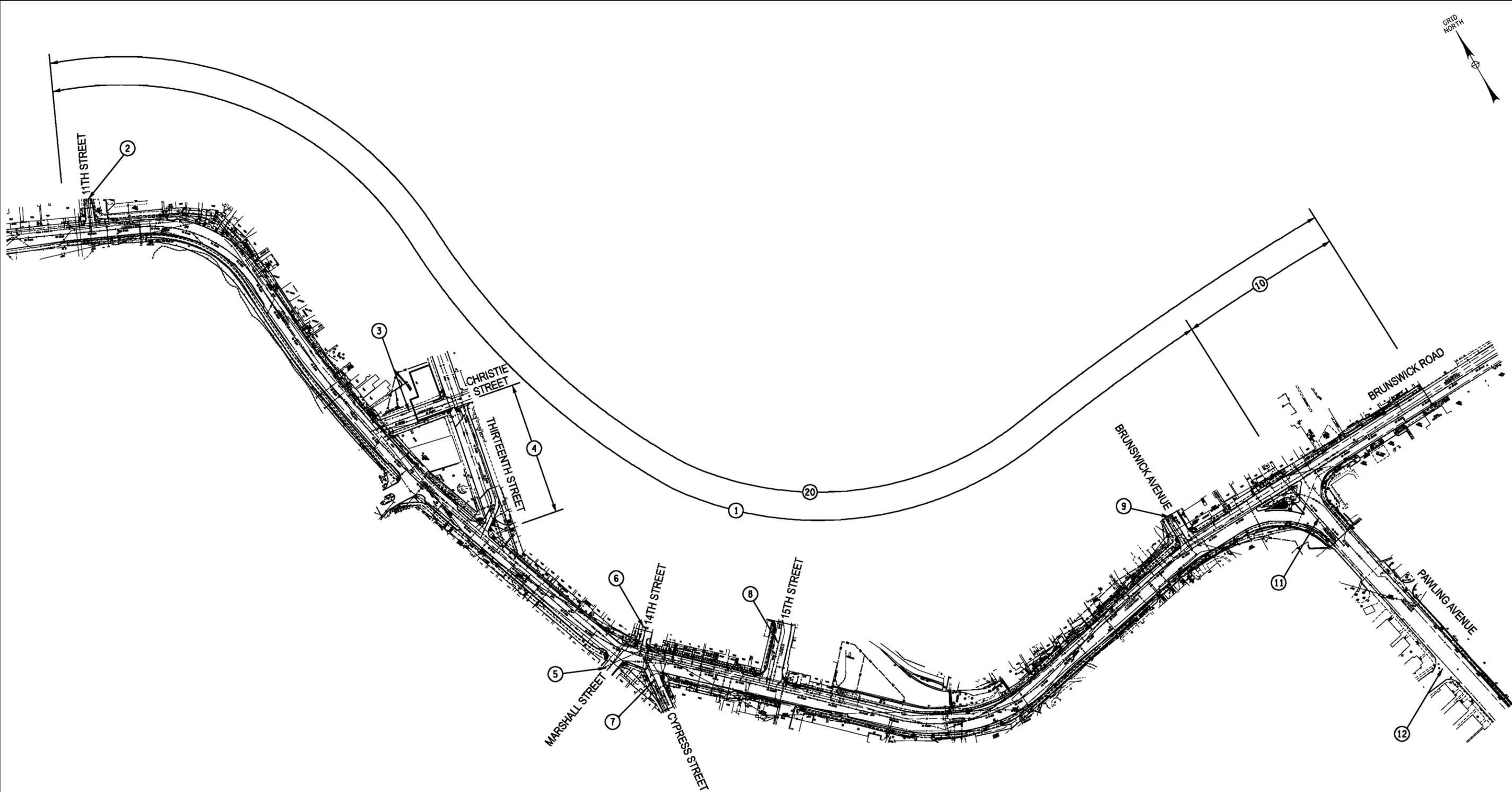
- ▭ CONSTRUCTION SIGN, ITEM 619.01
- TRAFFIC FLOW
- ⚠ FLAGGER, ITEM 619.01
- TUBULAR MARKER, ITEM 619.20
- TRAFFIC DRUM, ITEM 619.01
- ⚡ TYPE III CONSTRUCTION BARRICADE, ITEM 619.04
- ▨ WORK ZONE



AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE		PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026		PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY	DOCUMENT NAME: 175339AI_TCP.DGN	TRAFFIC CONTROL DETAILS			DRAWING NO. TCP-9 SHEET NO. 22
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
		COUNTY: RENSSELAER					
		DOCUMENT NAME: 175339AI_TCP.DGN					

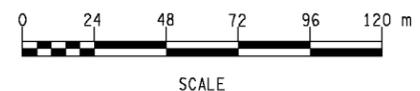
FILE NAME = J:\98048\Cadd\175339AA_MJT.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI DESIGNED BY M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



MAINTENANCE JURISDICTION PLAN

NOTE:
 SEE DWG. NO. MJ-2 FOR TABLE SHOWING MAINTENANCE JURISDICTION.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	CITY OF TROY		THE CITY OF TROY		PLAN OF HIGHWAY MAINTENANCE JURISDICTION	DRAWING NO. MJ-1 SHEET NO. 23
DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AA_MJT.DGN					

MAINTENANCE JURISDICTION TABLE

PART NO.	HIGHWAY	LIMITS (STATION TO STATION)	FEATURES TO BE MAINTAINED	KM	LANE KM	AGENCY	AUTHORITY OF MAINTENANCE
HIGHWAY, INTERSECTIONS AND CROSS ROADS							
1	CONGRESS STREET (ROUTE 2)	CO 1+064.0 TO CO 1+998.6	PAVEMENT, CURBING, DRAINAGE SYSTEM, SIGNING, STRIPING, SIDEWALKS, PAVERS, RETAINING WALLS, LANDSCAPING, TRAFFIC SIGNALS, SNOW & ICE CONTROL	0.935	2.032	CITY OF TROY	SECTION 349-C HIGHWAY LAW
2	11TH STREET	EL 2+000.0 TO EL 2+015.0	PAVEMENT, CURBING, DRAINAGE SYSTEM, SIGNING, STRIPING, SIDEWALKS, PAVERS, LANDSCAPING, SNOW & ICE CONTROL	0.015	0.030	CITY OF TROY	SECTION 349-C HIGHWAY LAW
3	CHRISTIE STREET	CH 11+000.0 TO CH 11+052.4	PAVEMENT, CURBING, DRAINAGE SYSTEM, SIGNING, STRIPING, SIDEWALKS, PAVERS, RETAINING WALLS, LANDSCAPING, SNOW & ICE CONTROL	0.052	0.052	CITY OF TROY	SECTION 349-C HIGHWAY LAW
4	13TH STREET	TH 3+000.0 TO TH 3+088.5	PAVEMENT, CURBING, DRAINAGE SYSTEM, SIGNING, STRIPING, SIDEWALKS, PAVERS, LANDSCAPING, SNOW & ICE CONTROL	0.089	0.177	CITY OF TROY	SECTION 349-C HIGHWAY LAW
5	MARSHALL STREET	MS 4+455.0 TO MS 4+473.9	PAVEMENT, CURBING, DRAINAGE SYSTEM, SIGNING, STRIPING, SIDEWALKS, PAVERS, LANDSCAPING, TRAFFIC SIGNAL, SNOW & ICE CONTROL	0.019	0.038	CITY OF TROY	SECTION 349-C HIGHWAY LAW
6	14TH STREET	FO 6+000.0 TO FO 6+016.0	PAVEMENT, CURBING, DRAINAGE SYSTEM, SIGNING, STRIPING, SIDEWALKS, PAVERS, LANDSCAPING, TRAFFIC SIGNAL, SNOW & ICE CONTROL	0.016	0.016	CITY OF TROY	SECTION 349-C HIGHWAY LAW
7	CYPRESS STREET	CY 5+466.0 TO CY 5+501.6	PAVEMENT, CURBING, DRAINAGE SYSTEM, SIGNING, STRIPING, SIDEWALKS, PAVERS, LANDSCAPING, TRAFFIC SIGNAL, SNOW & ICE CONTROL	0.036	0.071	CITY OF TROY	SECTION 349-C HIGHWAY LAW
8	15TH STREET	FI 7+000.0 TO FI 7+041.6	PAVEMENT, CURBING, DRAINAGE SYSTEM, SIGNING, STRIPING, SIDEWALKS, PAVERS, LANDSCAPING, TRAFFIC SIGNAL, SNOW & ICE CONTROL	0.042	0.084	CITY OF TROY	SECTION 349-C HIGHWAY LAW
9	BRUNSWICK AVENUE	BA 8+000.0 TO BA 8+025.0	PAVEMENT, CURBING, DRAINAGE SYSTEM, SIGNING, STRIPING, SIDEWALKS, PAVERS, LANDSCAPING, TRAFFIC SIGNAL, SNOW & ICE CONTROL	0.025	0.050	CITY OF TROY	SECTION 349-C HIGHWAY LAW
10	BRUNSWICK ROAD (ROUTE 2)	BR 10+000.0 TO BR 10+113.4	PAVEMENT, CURBING, DRAINAGE SYSTEM, SIGNING, STRIPING, SIDEWALKS, PAVERS, LANDSCAPING, TRAFFIC SIGNAL, SNOW & ICE CONTROL	0.113	0.340	CITY OF TROY	SECTION 349-C HIGHWAY LAW
11	PAWLING AVENUE (ROUTE 66)	PA 9+455.0 TO PA 9+500.0	PAVEMENT, CURBING, DRAINAGE SYSTEM, SIGNING, STRIPING, SIDEWALKS, PAVERS, LANDSCAPING, TRAFFIC SIGNALS, SNOW & ICE CONTROL	0.045	0.135	CITY OF TROY	SECTION 349-C HIGHWAY LAW
12	LINDEN AVENUE	-	TRAFFIC SIGNAL	-	-	CITY OF TROY	SECTION 349-C HIGHWAY LAW
UTILITIES							
13	WATERMAIN	-	WATERMAIN, HYDRANTS, VALVES, OTHER APPURTENANCE	-	-	CITY OF TROY	SECTION 349-C HIGHWAY LAW
14	OVERHEAD ELECTRIC	-	POLES, ELECTRIC LINES	-	-	NATIONAL GRID	-
15	UNDERGROUND ELECTRIC	-	CONDUIT, LINES	-	-	NATIONAL GRID	-
16	OVERHEAD TELEPHONE	-	LINES	-	-	VERIZON	-
17	OVERHEAD CABLE TV	-	LINES	-	-	TIME WARNER	-
18	OVERHEAD FIBEROPTIC	-	LINES	-	-	FIBERTECH	-
19	UNDERGROUND GAS	-	GAS MAIN, VALVES, OTHER APPURTENANCE	-	-	NATIONAL GRID	-
LIGHTING							
20	ROADWAY LIGHTING	CO 1+064.0 TO BR 10+100.0	CONDUITS, POLE BASES	1.035	2.070	CITY OF TROY	SECTION 349-C HIGHWAY LAW
21	ROADWAY LIGHTING	CO 1+064.0 TO BR 10+100.0	ELECTRICAL CONDUCTORS, POLES, LUMINAIRES, LAMPS	1.035	2.070	NATIONAL GRID	PER EXISTING LEASE AGREEMENT WITH CITY OF TROY

NOTES:

- PART NO. REFERS TO CORRESPONDING NUMBERS ON PLAN MJ-1, EXCEPT PART NUMBERS 13 THROUGH 19, WHICH ARE NOT SHOWN.
- PORTIONS OF DRIVEWAYS AND PRIVATE ROADS CONSTRUCTED OR ADJUSTED UNDER THIS PROJECT SHALL BE MAINTAINED BY THE APPROPRIATE AGENCY TO THE EDGE OF SHOULDER OR CURB LINE. THE REMAINING PORTIONS OF THESE DRIVEWAYS AND PRIVATE ROADS SHALL BE MAINTAINED BY THE PROPERTY OWNER AS DICTATED BY SECTION 54-C OF THE HIGHWAY LAW. ADDITIONALLY, ENTRANCE STAIRS AND WALKS SHALL BE MAINTAINED BY THE PROPERTY OWNERS PER SECTION 54-C OF THE HIGHWAY LAW.
- THIS TABLE INDICATES DIVISION OF RESPONSIBILITY FOR MAINTENANCE OF THIS CONTRACT UPON COMPLETION. IT DOES NOT RELIEVE CONTRACTOR OF MAINTENANCE RESPONSIBILITIES DURING CONSTRUCTION AS PER SECTION 619 OF THE STANDARD SPECIFICATIONS.

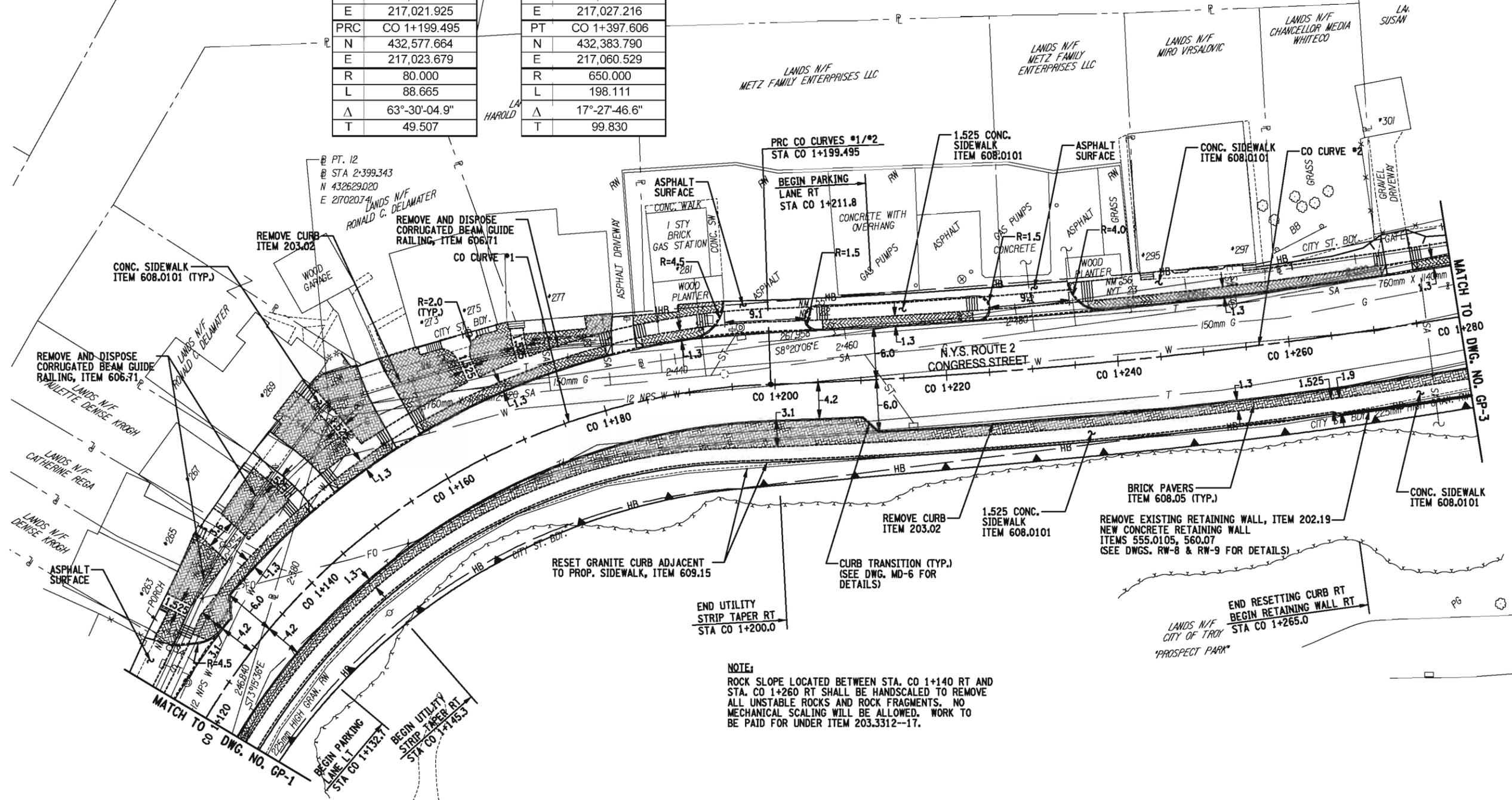


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CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
S.H. C65026	PS&E DATE: 1/10/11			TABLE OF HIGHWAY MAINTENANCE JURISDICTION	DRAWING NO. MJ-2 SHEET NO. 24
CITY OF TROY					
N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER					
DOCUMENT NAME: 175339AB_MJT.DGN					



CO CURVE # 1		CO CURVE # 2	
PC	CO 1+110.831	PRC	CO 1+199.495
N	432,647.645	N	432,577.664
E	216,976.864	E	217,023.679
PI	CO 1+160.338	PI	CO 1+299.325
N	432,627.140	N	432,477.897
E	217,021.925	E	217,027.216
PRC	CO 1+199.495	PT	CO 1+397.606
N	432,577.664	N	432,383.790
E	217,023.679	E	217,060.529
R	80.000	R	650.000
L	88.665	L	198.111
Δ	63°-30'-04.9"	Δ	17°-27'-46.6"
T	49.507	T	99.830



NOTE:
 ROCK SLOPE LOCATED BETWEEN STA. CO 1+140 RT AND STA. CO 1+260 RT SHALL BE HANDSCALED TO REMOVE ALL UNSTABLE ROCKS AND ROCK FRAGMENTS. NO MECHANICAL SCALING WILL BE ALLOWED. WORK TO BE PAID FOR UNDER ITEM 203.3312--17.



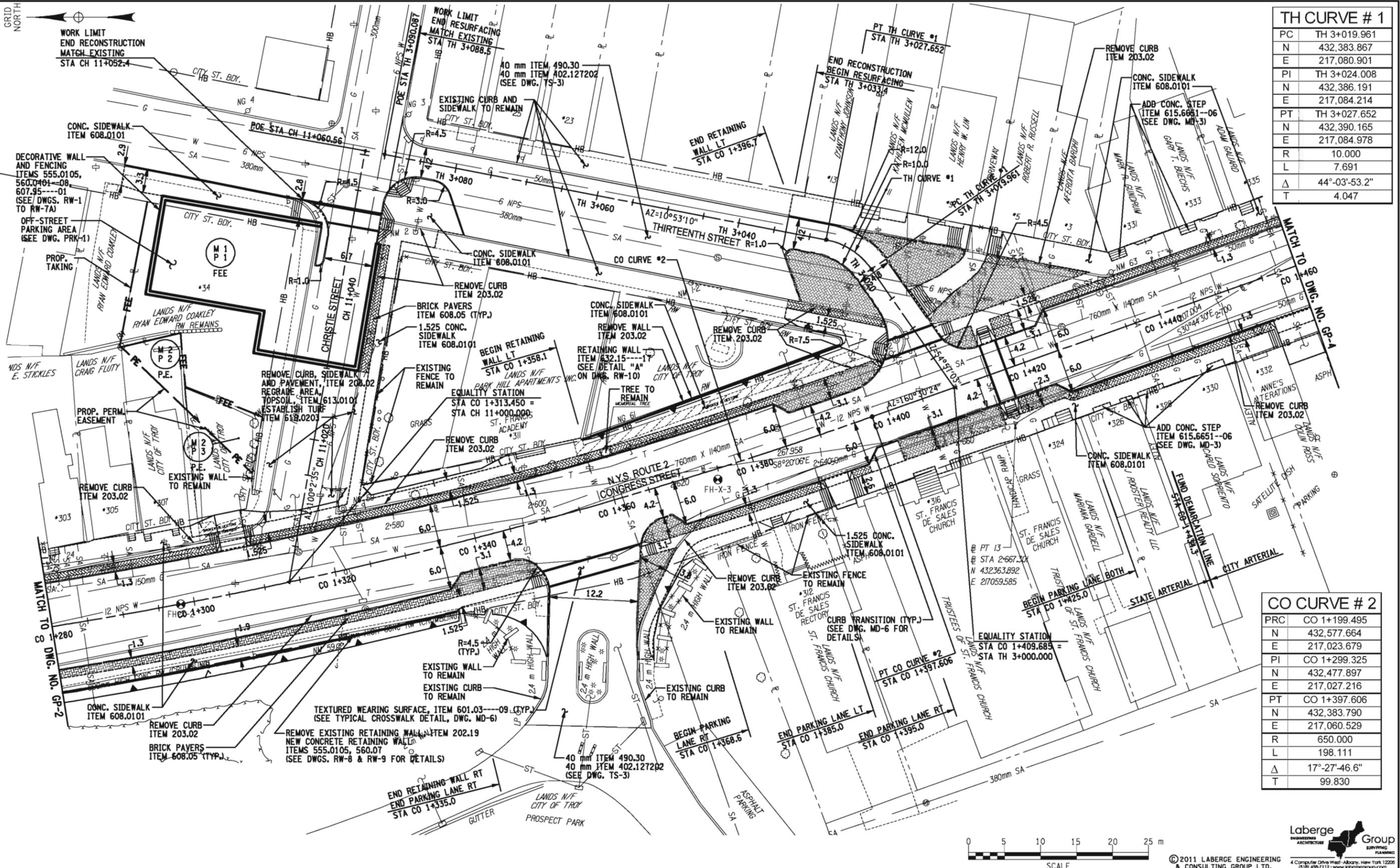
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AS BUILT REVISIONS DESCRIPTION OF WORK:		CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE		PIN 1753.39		BRIDGES		CULVERTS		ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED		CONTRACT NUMBER	
SIGNATURE _____		DATE _____		S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY		GENERAL PLAN		DRAWING NO. GP-2 SHEET NO. 26	
				CITY OF TROY									
				N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66									
				COUNTY: RENSSELAER									
				DOCUMENT NAME: 175339AB_PLT.DGN									

FILE NAME = J:\98048\Cadd\175339AC_PLT.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCZOWSKI DESIGNED BY M. WIESZCZOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO CHECKED BY D. RHODES DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES

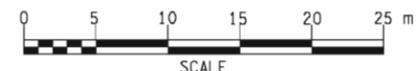


TH CURVE # 1

PC	TH 3+019.961
N	432,383.867
E	217,080.901
PI	TH 3+024.008
N	432,386.191
E	217,084.214
PT	TH 3+027.652
N	432,390.165
E	217,084.978
R	10.000
L	7.691
Δ	44°-03'-53.2"
T	4.047

CO CURVE # 2

PRC	CO 1+199.495
N	432,577.664
E	217,023.679
PI	CO 1+299.325
N	432,477.897
E	217,027.216
PT	CO 1+397.606
N	432,383.790
E	217,060.529
R	650.000
L	198.111
Δ	17°-27'-46.6"
T	99.830



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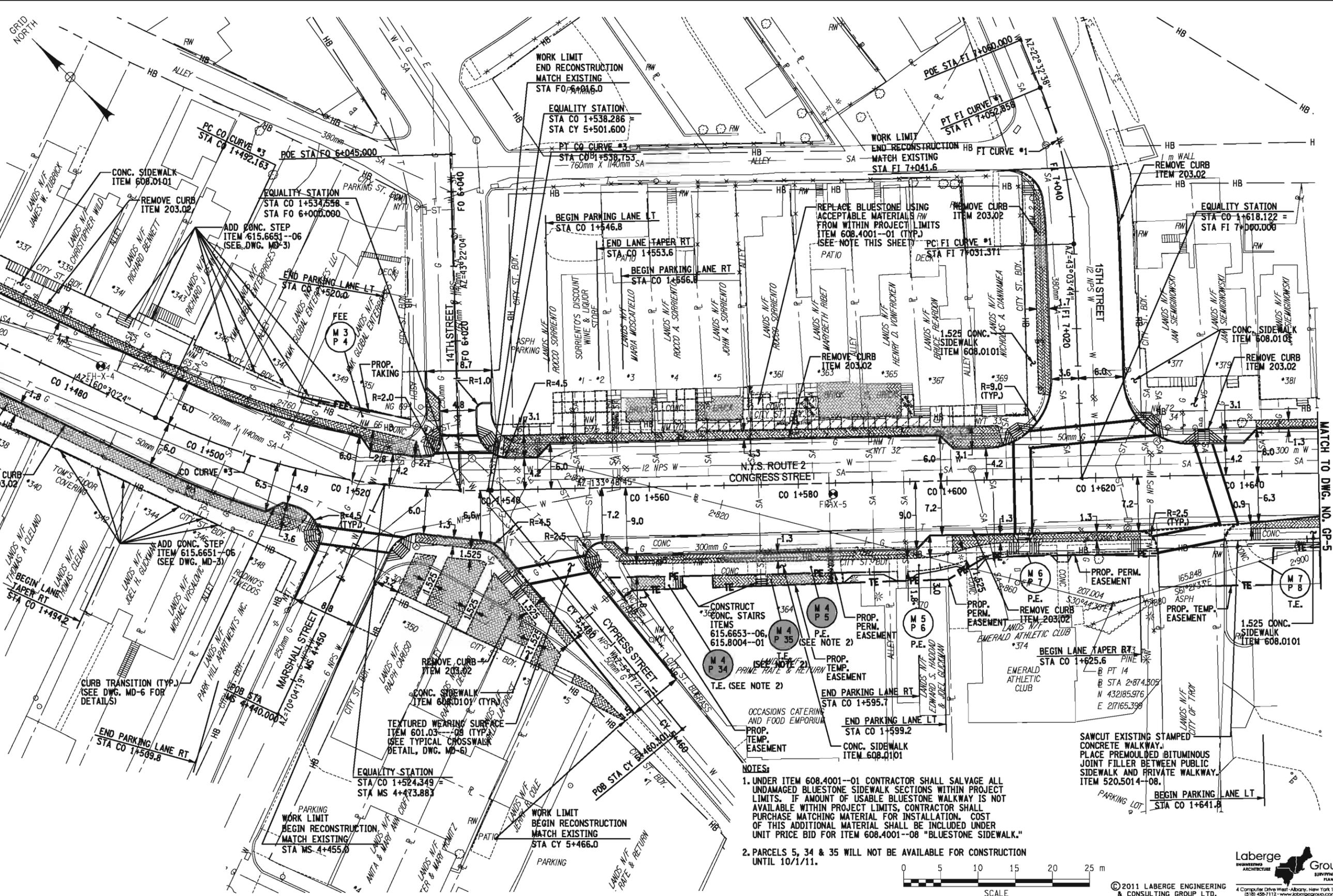
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	S.H. C65026		CITY OF TROY		PS&E DATE: 1/10/11		THE CITY OF TROY		GENERAL PLAN		DRAWING NO. GP-3 SHEET NO. 27		
SIGNATURE	DATE	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66		COUNTY: RENSSELAER		DOCUMENT NAME: 175339AC_PLT.DGN							

FILE NAME = J:\198048\Cadd\175339AD_PLT.DGN
 DATE/TIME = 1/27/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCZOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO CHECKED BY D. RHODES DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES

FI CURVE # 1	
PC	FI 7+031.371
N	432,223.835
E	217,195.814
PI	FI 7+042.231
N	432,231.769
E	217,203.229
PT	FI 7+052.858
N	432,241.799
E	217,207.392
R	60.000
L	21.487
Δ	20°-31'-05.5"
T	10.860

CO CURVE # 3	
PC	CO 1+492.163
N	432,294.654
E	217,092.082
PI	CO 1+515.888
N	432,272.288
E	217,100.000
PT	CO 1+538.753
N	432,255.863
E	217,117.120
R	100.000
L	46.590
Δ	26°-41'-38.3"
T	23.726



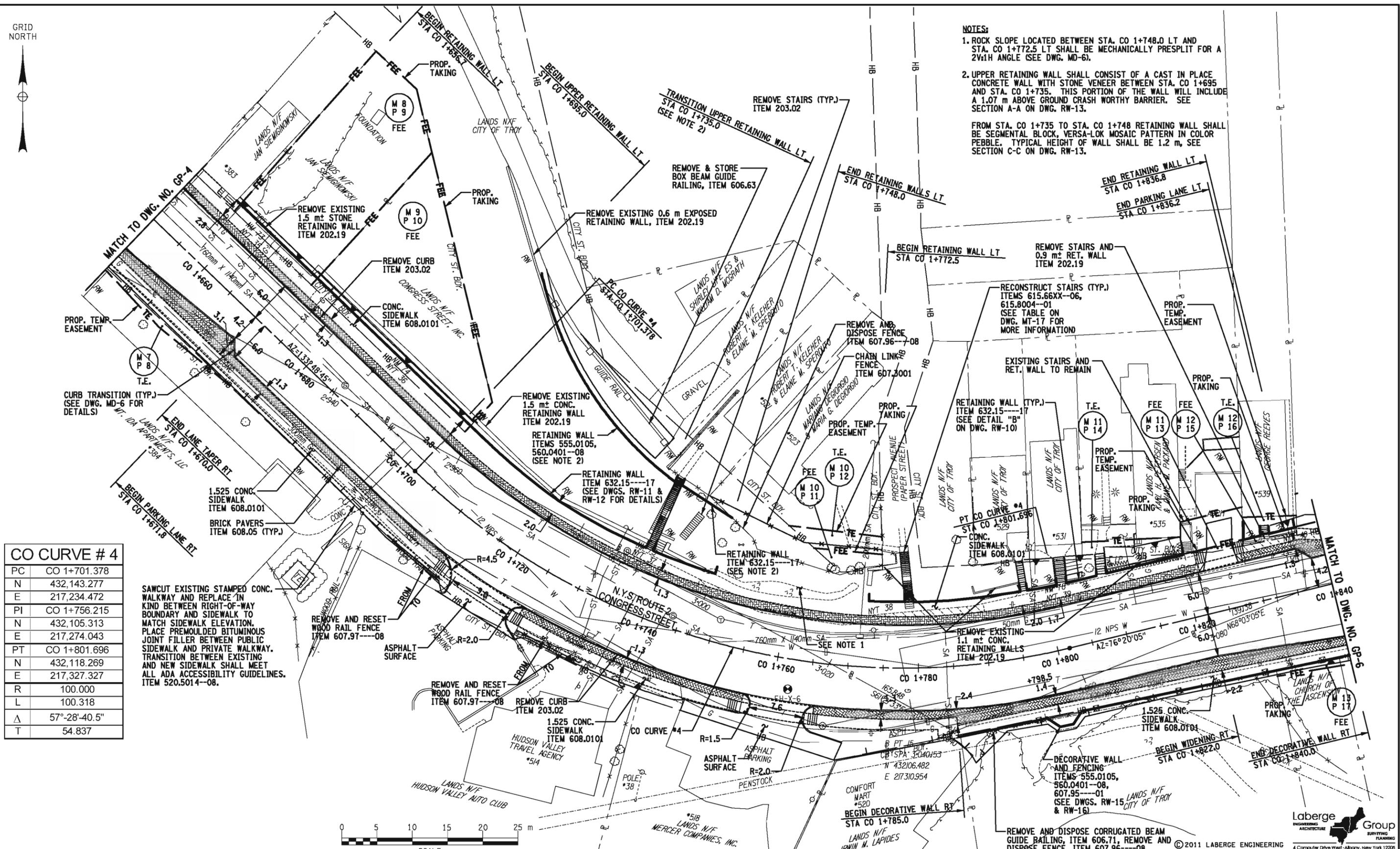
- NOTES:**
1. UNDER ITEM 608.4001--01 CONTRACTOR SHALL SALVAGE ALL UNDAMAGED BLUESTONE SIDEWALK SECTIONS WITHIN PROJECT LIMITS. IF AMOUNT OF USABLE BLUESTONE WALKWAY IS NOT AVAILABLE WITHIN PROJECT LIMITS, CONTRACTOR SHALL PURCHASE MATCHING MATERIAL FOR INSTALLATION. COST OF THIS ADDITIONAL MATERIAL SHALL BE INCLUDED UNDER UNIT PRICE BID FOR ITEM 608.4001--08 "BLUESTONE SIDEWALK."
 2. PARCELS 5, 34 & 35 WILL NOT BE AVAILABLE FOR CONSTRUCTION UNTIL 10/1/11.



AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE	DATE	PS&E DATE: 1/10/11 F1 DATE: 1/27/11	THE CITY OF TROY		GENERAL PLAN	DRAWING NO. GP-4 SHEET NO. 28F1
			LABERGE GROUP ENGINEERING ARCHITECTURE PLANNING SURVEYING		© 2011 LABERGE ENGINEERING & CONSULTING GROUP LTD. 4 Computer Drive West - Albany, New York 12205 (518) 438-7112 - www.labergengroup.com	

FILE NAME = J:\198048\Cadd\175339AE_PLT.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCZOWSKI DESIGNED BY M. WIESZCZOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO CHECKED BY D. RHODES DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES

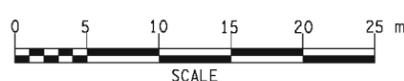


- NOTES:**
1. ROCK SLOPE LOCATED BETWEEN STA. CO 1+748.0 LT AND STA. CO 1+772.5 LT SHALL BE MECHANICALLY PRESPLIT FOR A 2V:1H ANGLE (SEE DWG. MD-6).
 2. UPPER RETAINING WALL SHALL CONSIST OF A CAST IN PLACE CONCRETE WALL WITH STONE VENEER BETWEEN STA. CO 1+695 AND STA. CO 1+735. THIS PORTION OF THE WALL WILL INCLUDE A 1.07 m ABOVE GROUND CRASH WORTHY BARRIER. SEE SECTION A-A ON DWG. RW-13.
- FROM STA. CO 1+735 TO STA. CO 1+748 RETAINING WALL SHALL BE SEGMENTAL BLOCK, VERSA-LOK MOSAIC PATTERN IN COLOR PEBBLE. TYPICAL HEIGHT OF WALL SHALL BE 1.2 m, SEE SECTION C-C ON DWG. RW-13.

CO CURVE # 4

PC	CO 1+701.378
N	432,143.277
E	217,234.472
PI	CO 1+756.215
N	432,105.313
E	217,274.043
PT	CO 1+801.696
N	432,118.269
E	217,327.327
R	100.000
L	100.318
Δ	57°-28'-40.5"
T	54.837

SAWCUT EXISTING STAMPED CONC. WALKWAY AND REPLACE IN KIND BETWEEN RIGHT-OF-WAY BOUNDARY AND SIDEWALK TO MATCH SIDEWALK ELEVATION. PLACE PREMOULDED BITUMINOUS JOINT FILLER BETWEEN PUBLIC SIDEWALK AND PRIVATE WALKWAY. TRANSITION BETWEEN EXISTING AND NEW SIDEWALK SHALL MEET ALL ADA ACCESSIBILITY GUIDELINES. ITEM 520.5014-08.

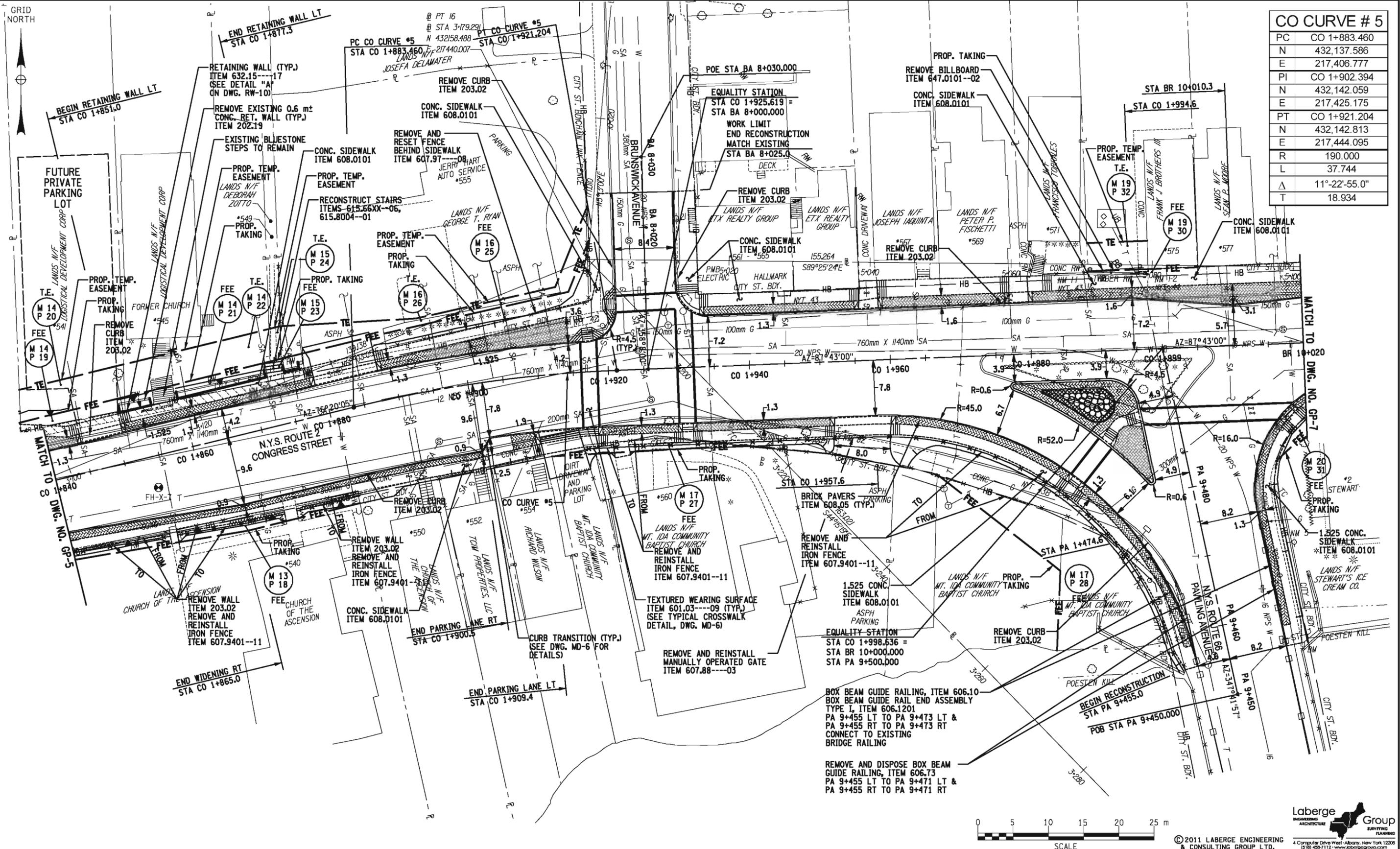


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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE	CITY OF TROY		THE CITY OF TROY		GENERAL PLAN	DRAWING NO. GP-5 SHEET NO. 29
DATE	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AE_PLT.DGN					



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 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCOWSKI DESIGNED BY M. WIESZCOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO CHECKED BY D. RHODES DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



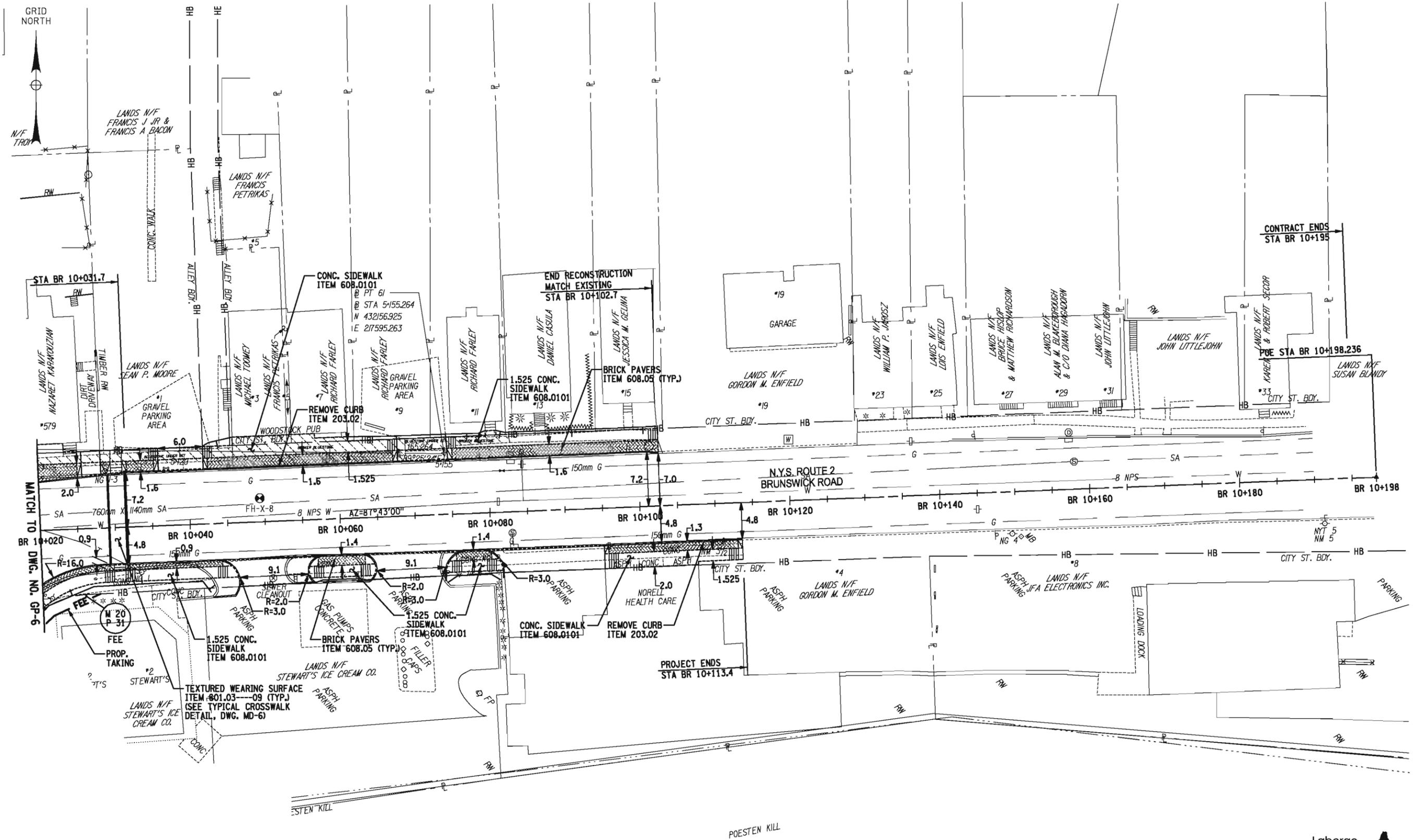
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N	432,137.586
E	217,406.777
PI	CO 1+902.394
N	432,142.059
E	217,425.175
PT	CO 1+921.204
N	432,142.813
E	217,444.095
R	190.000
L	37.744
Δ	11°-22'-55.0"
T	18.934



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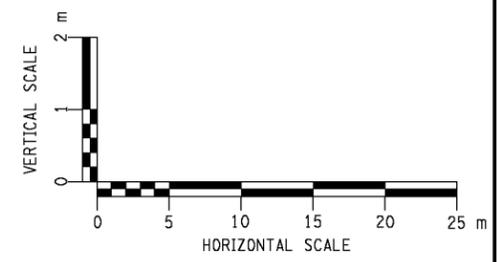
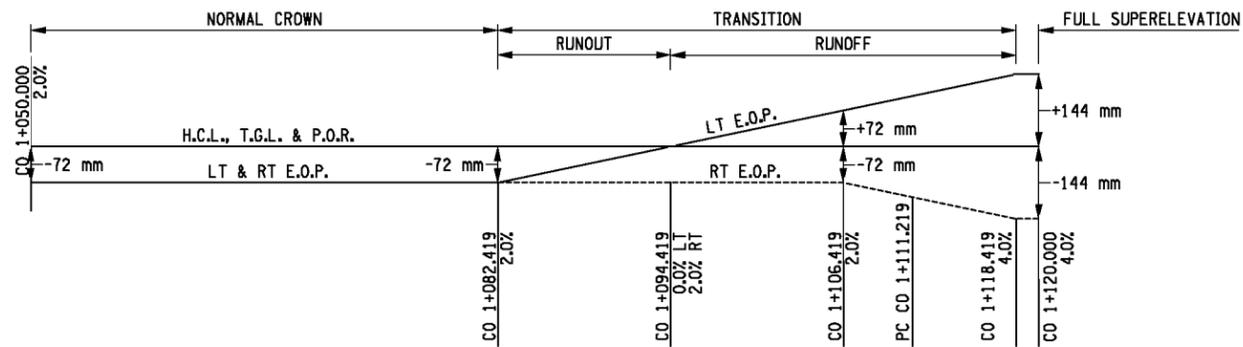
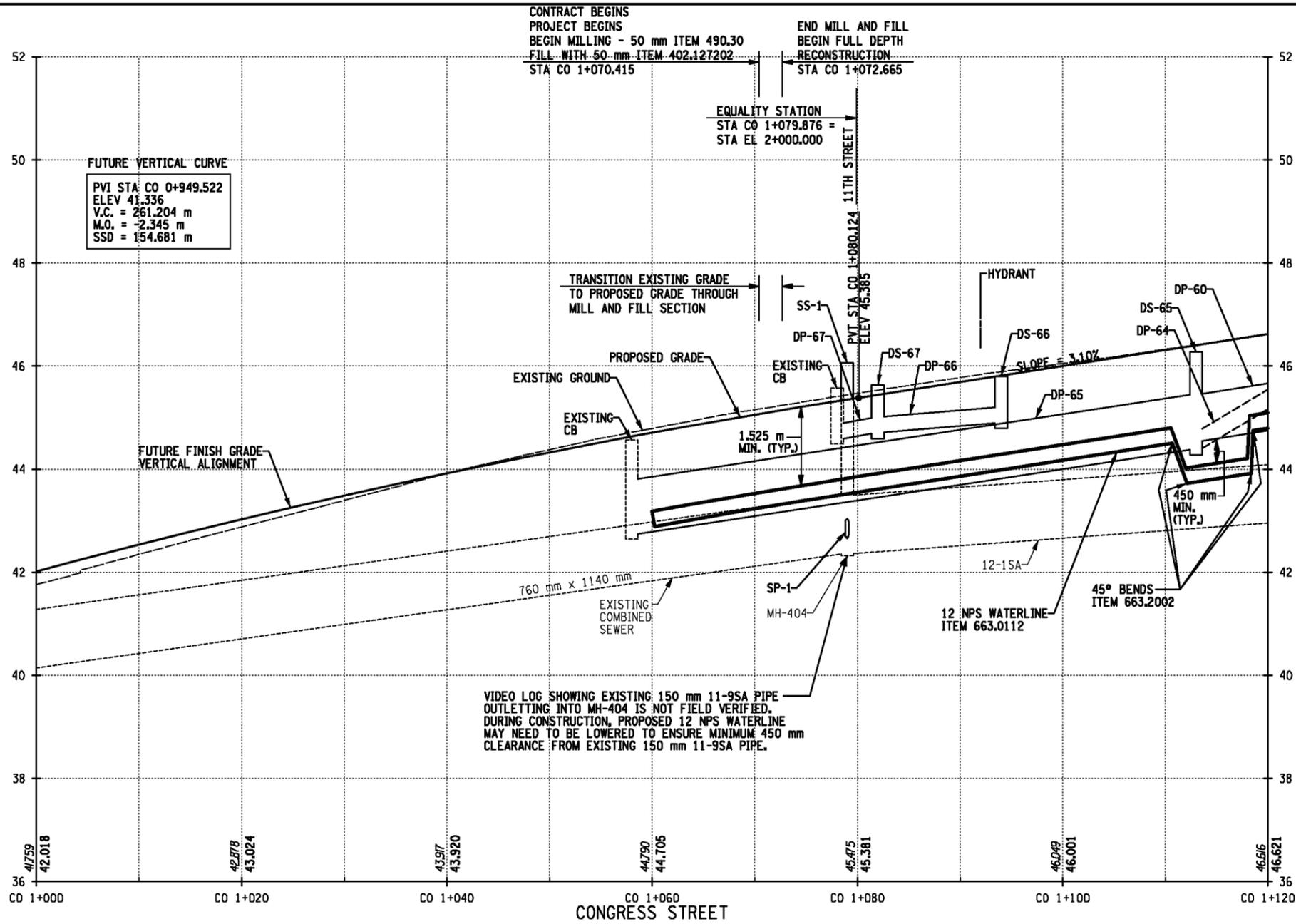
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	S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY			
SIGNATURE	DATE	CITY OF TROY		GENERAL PLAN		DRAWING NO. GP-6 SHEET NO. 30		
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66		COUNTY: RENSSELAER		DOCUMENT NAME: 175339AF_PLT.DGN		



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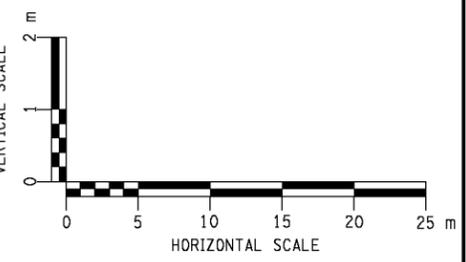
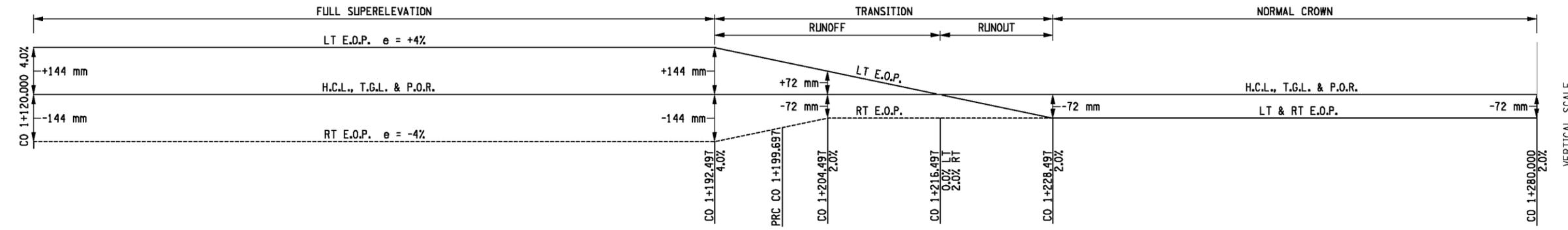
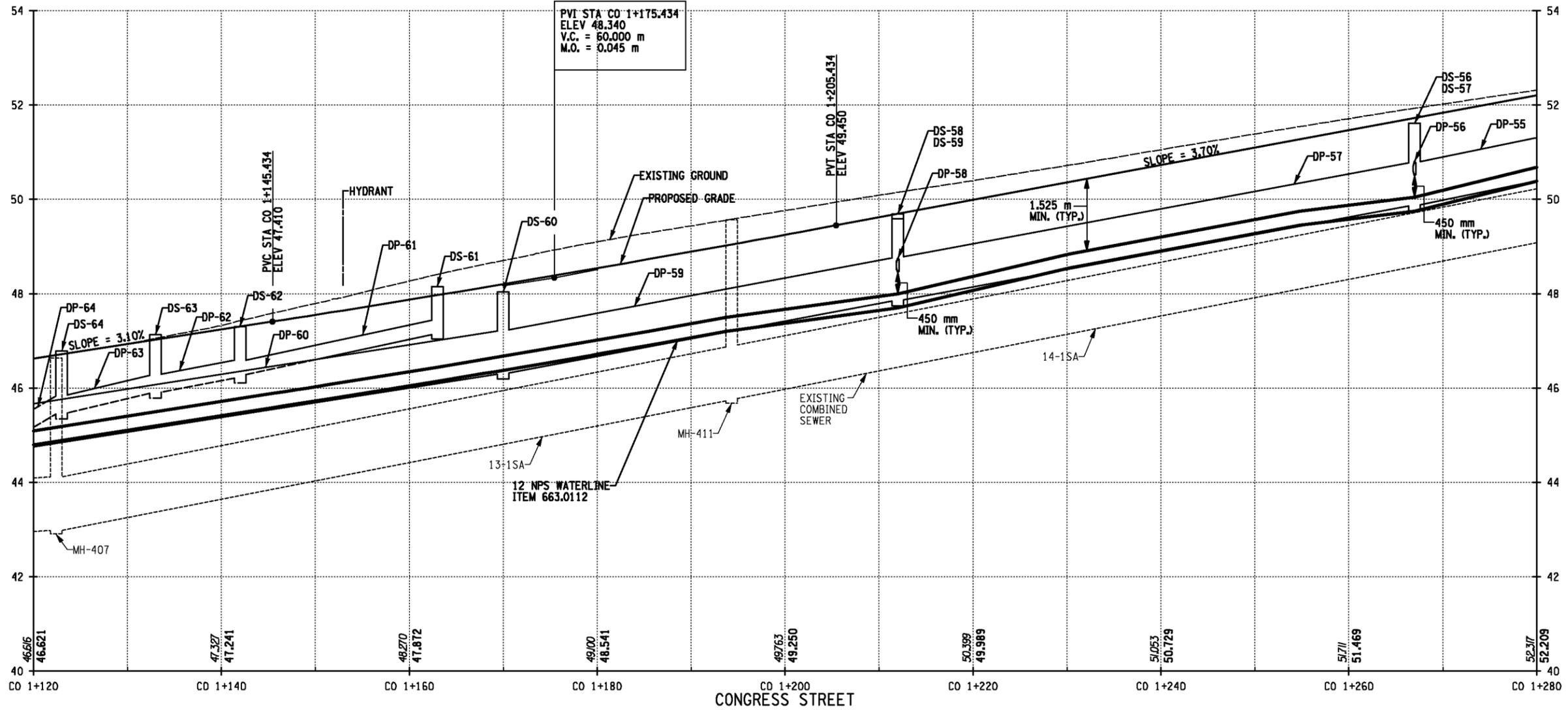


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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66	GENERAL PLAN		DRAWING NO. GP-7 SHEET NO. 31	
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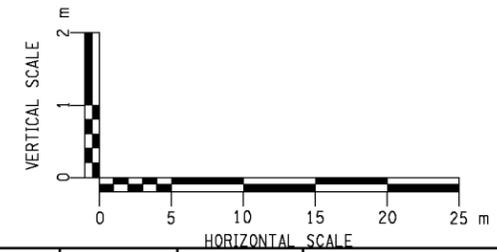
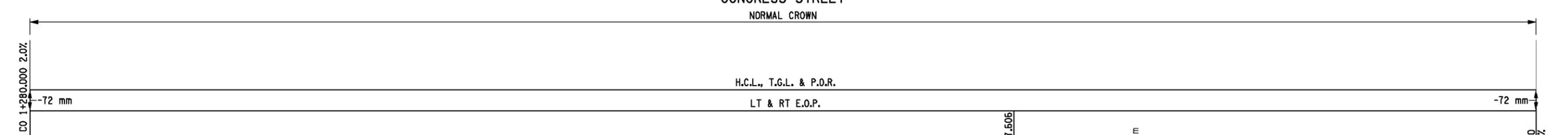
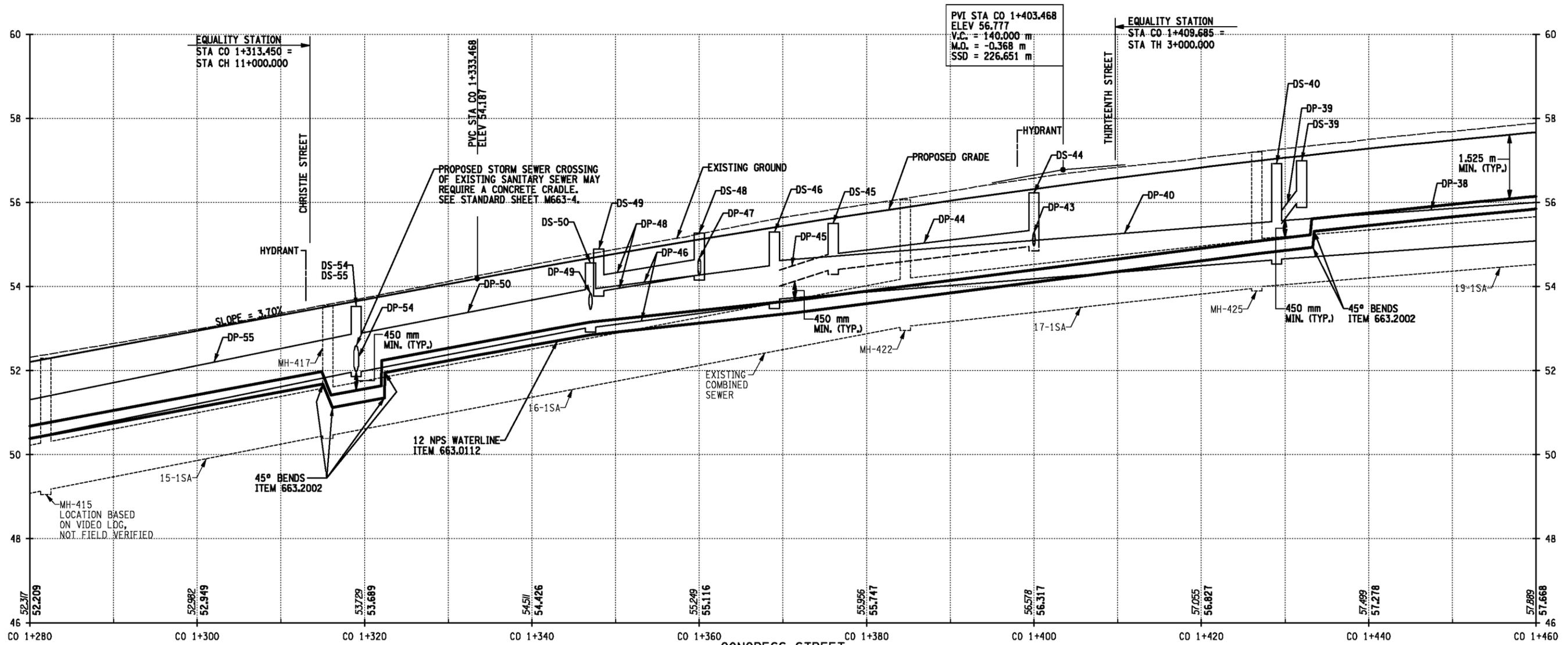


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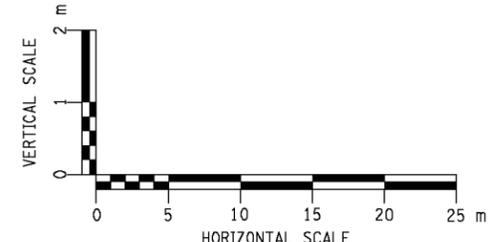
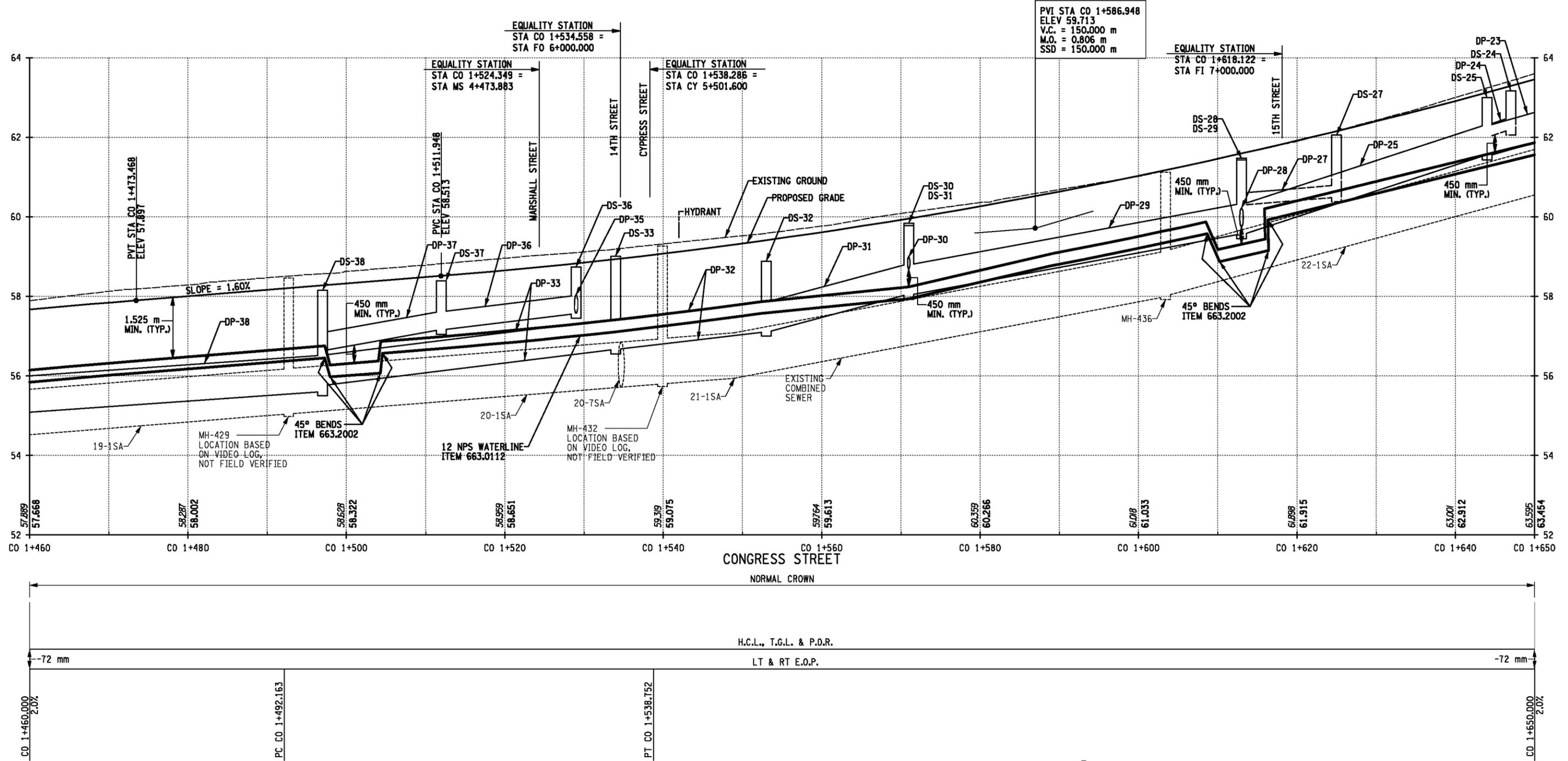
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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE	DATE	CITY OF TROY				
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AA_PRO.DGN				



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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
	CITY OF TROY					DRAWING NO. PR-2 SHEET NO. 33
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	COUNTY: RENSSELAER					
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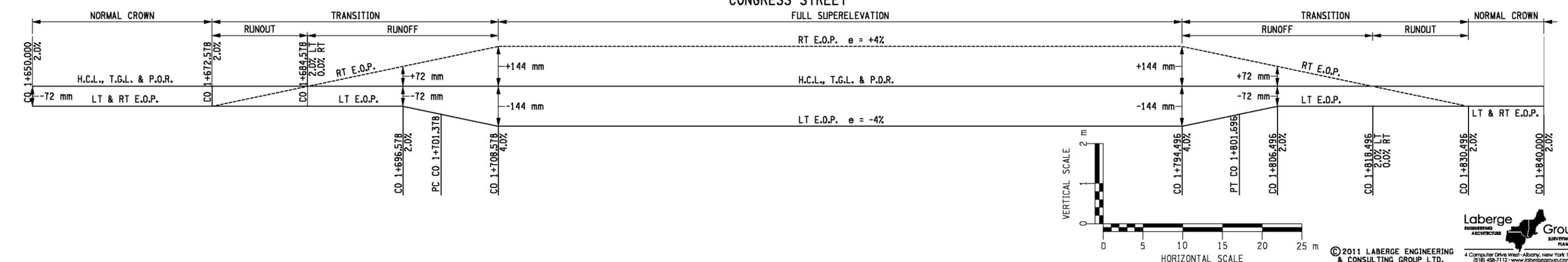
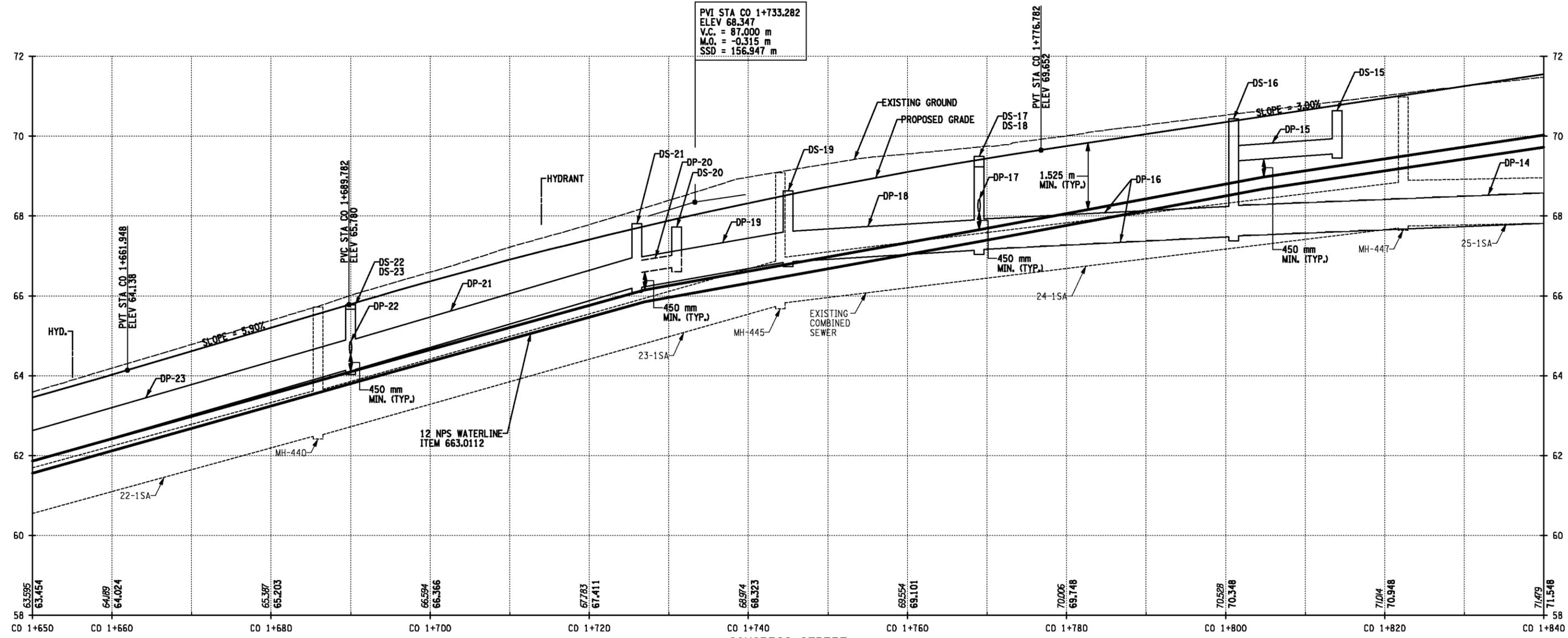
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	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AC_PRO.DGN					



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SIGNATURE _____	DATE _____	CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66 COUNTY: RENSSELAER		DOCUMENT NAME: 175339AD_PRO.DGN									

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DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI DESIGNED BY M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO CHECKED BY M. PSZENICZNY DRAFTED BY D. RHODES CHECKED BY D. RHODES



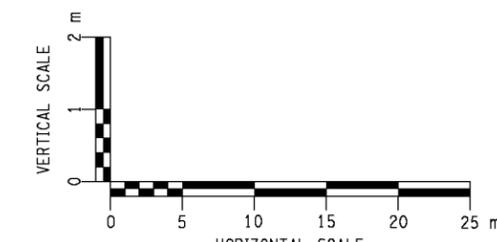
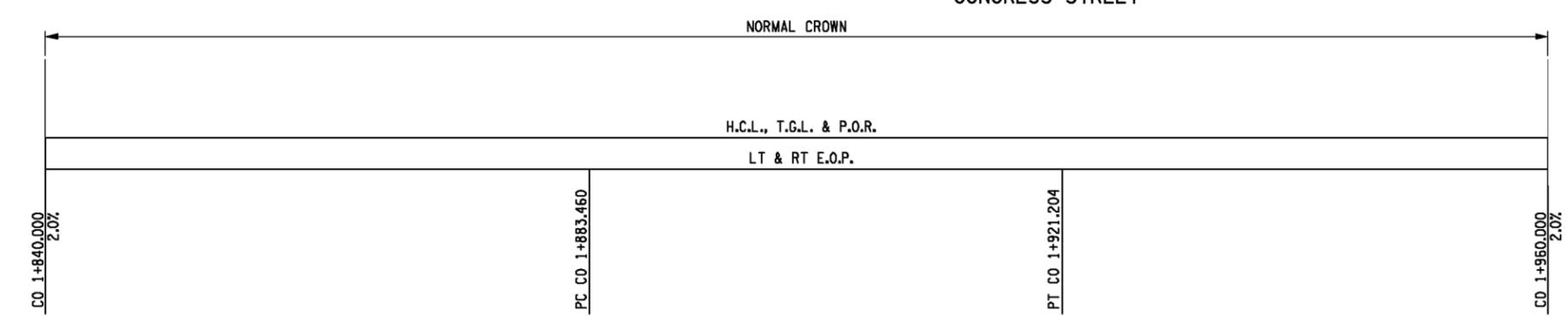
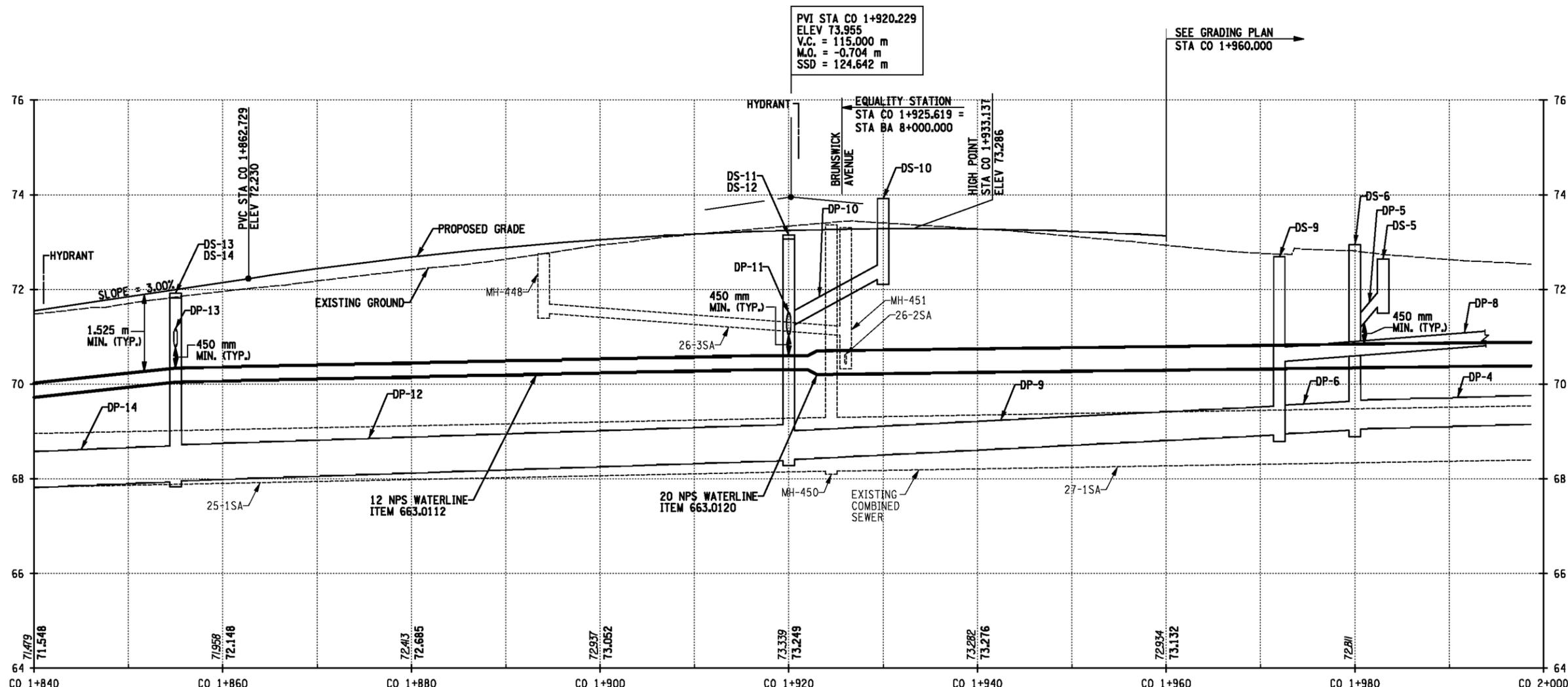
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	CITY OF TROY					DRAWING NO. PR-5 SHEET NO. 36
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	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AE_PRO.DGN					



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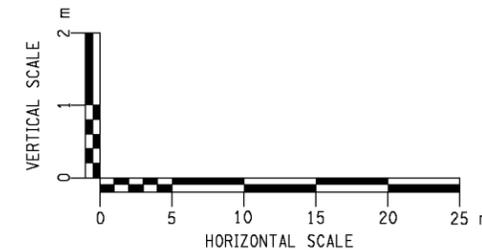
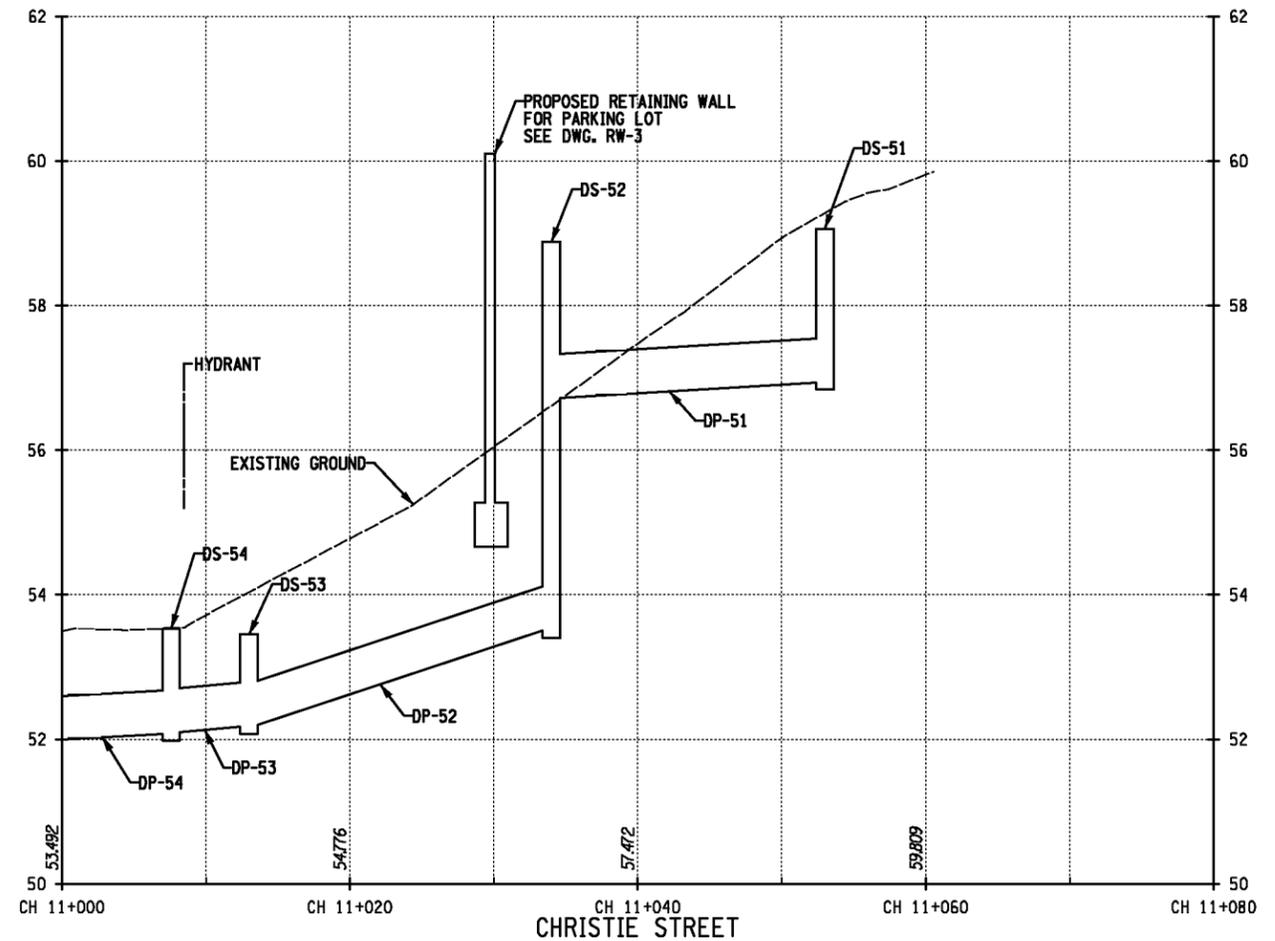
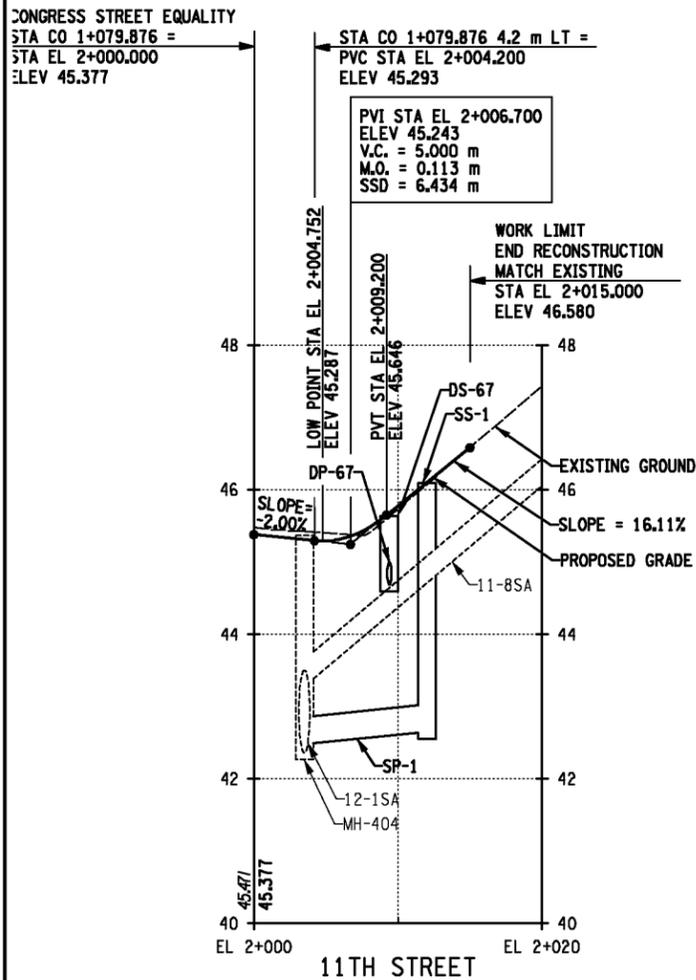
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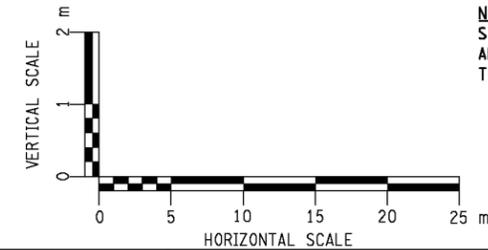
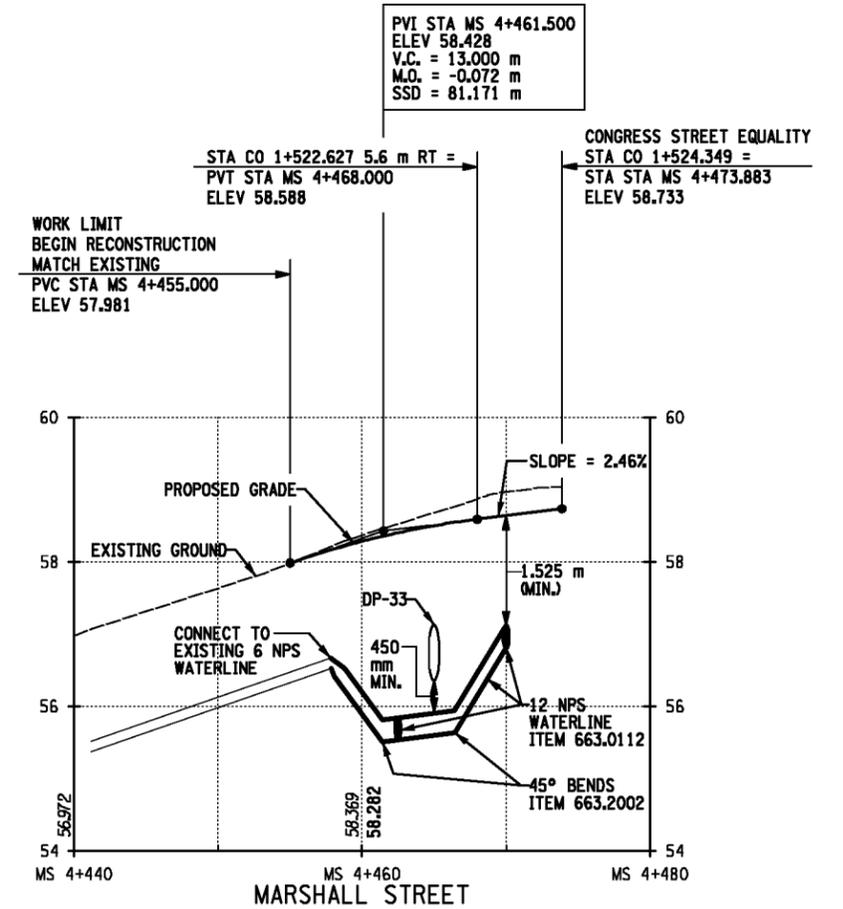
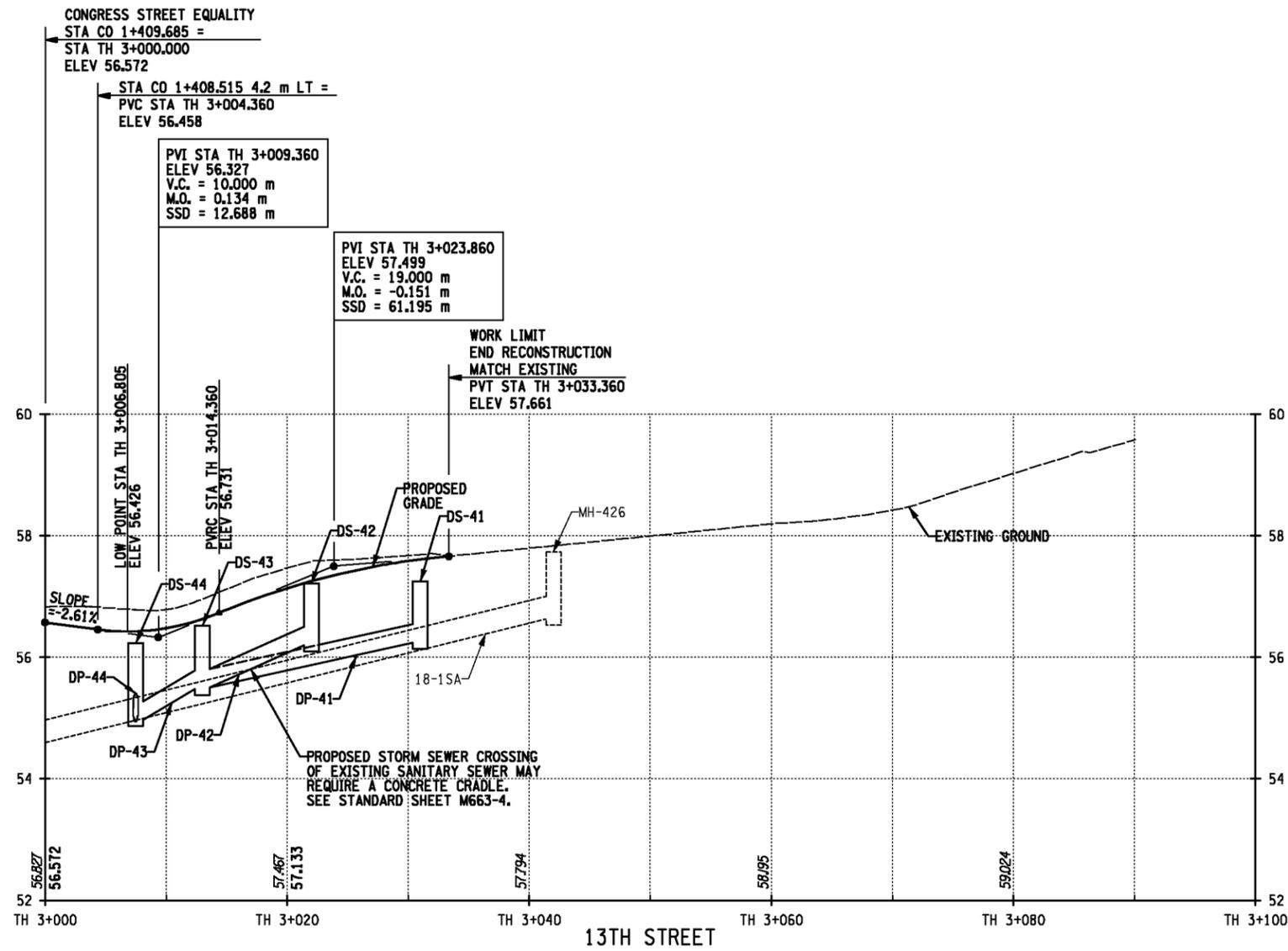


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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE	DATE	CITY OF TROY	PROFILE		DRAWING NO. PR-6 SHEET NO. 37	
DOCUMENT NAME: 175339AF_PRO.DGN		COUNTY: RENSSELAER				



NOTE:
 STATION AND ELEVATION FOR THE SIDE STREETS
 ARE BASED UPON A PERPENDICULAR OFFSET FROM
 THE CONTROLLING ALIGNMENT.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	SIGNATURE _____ DATE _____	S.H. C65026 CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66 COUNTY: RENSSELAER	PS&E DATE: 1/10/11	THE CITY OF TROY		DRAWING NO. PR-7 SHEET NO. 38
DOCUMENT NAME: 175339AG_PRO.DGN		PROFILE				

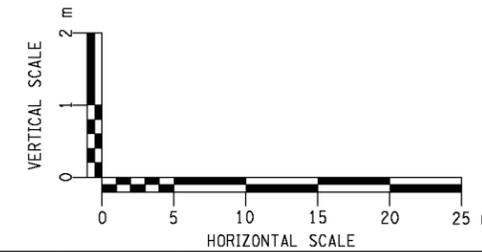
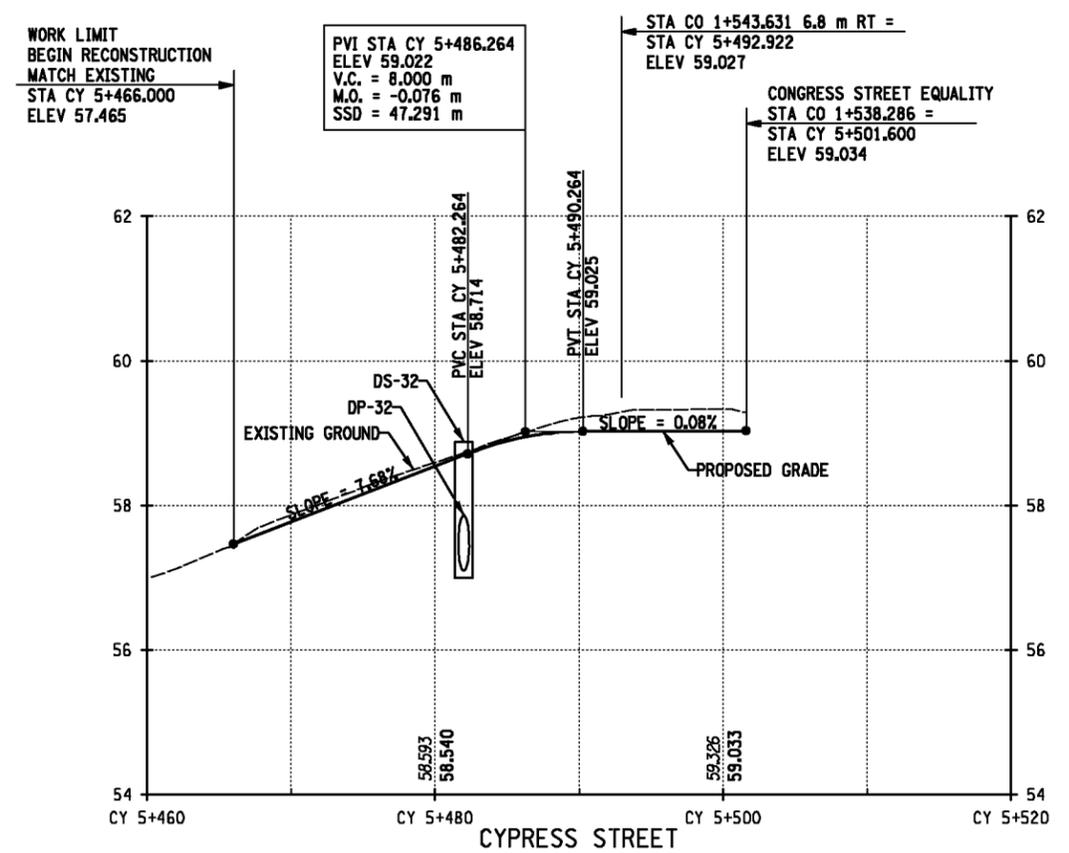
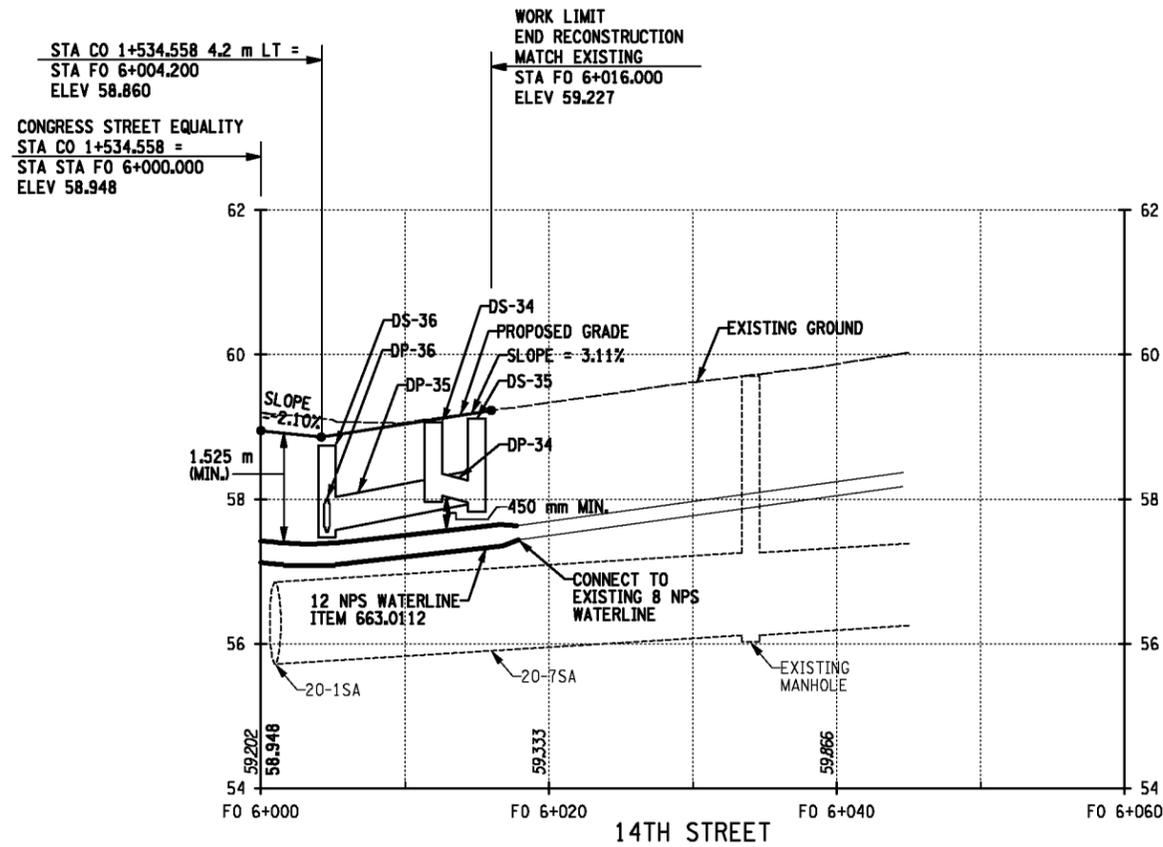


NOTE:
 STATION AND ELEVATION FOR THE SIDE STREETS
 ARE BASED UPON A PERPENDICULAR OFFSET FROM
 THE CONTROLLING ALIGNMENT.

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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	CITY OF TROY	THE CITY OF TROY	PROFILE		DRAWING NO. PR-8 SHEET NO. 39	
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DATE _____	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AH_PRO.DGN					

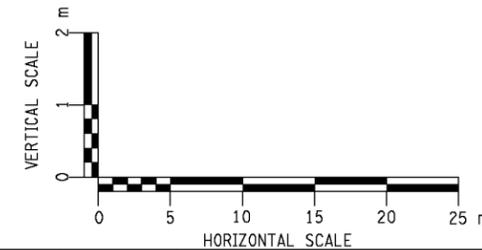
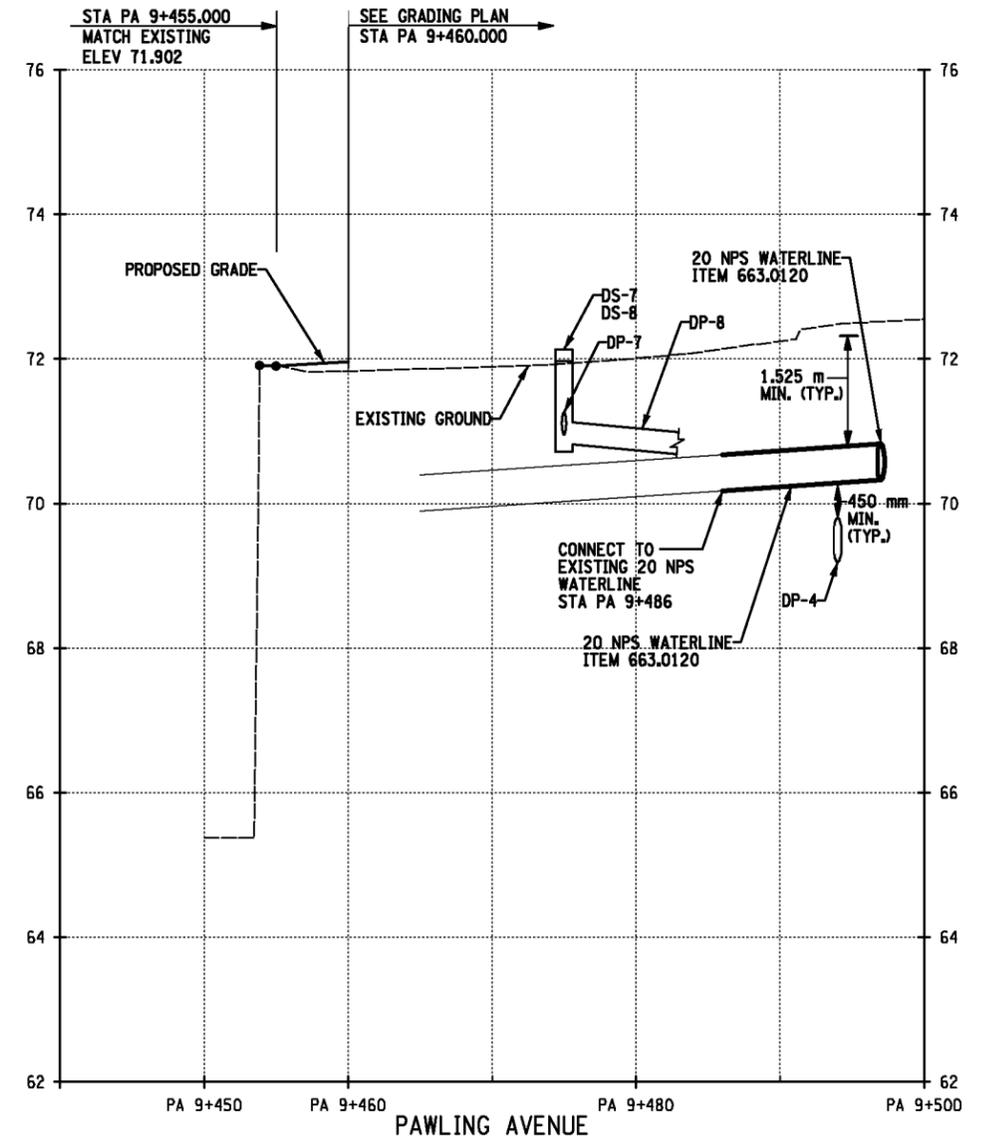
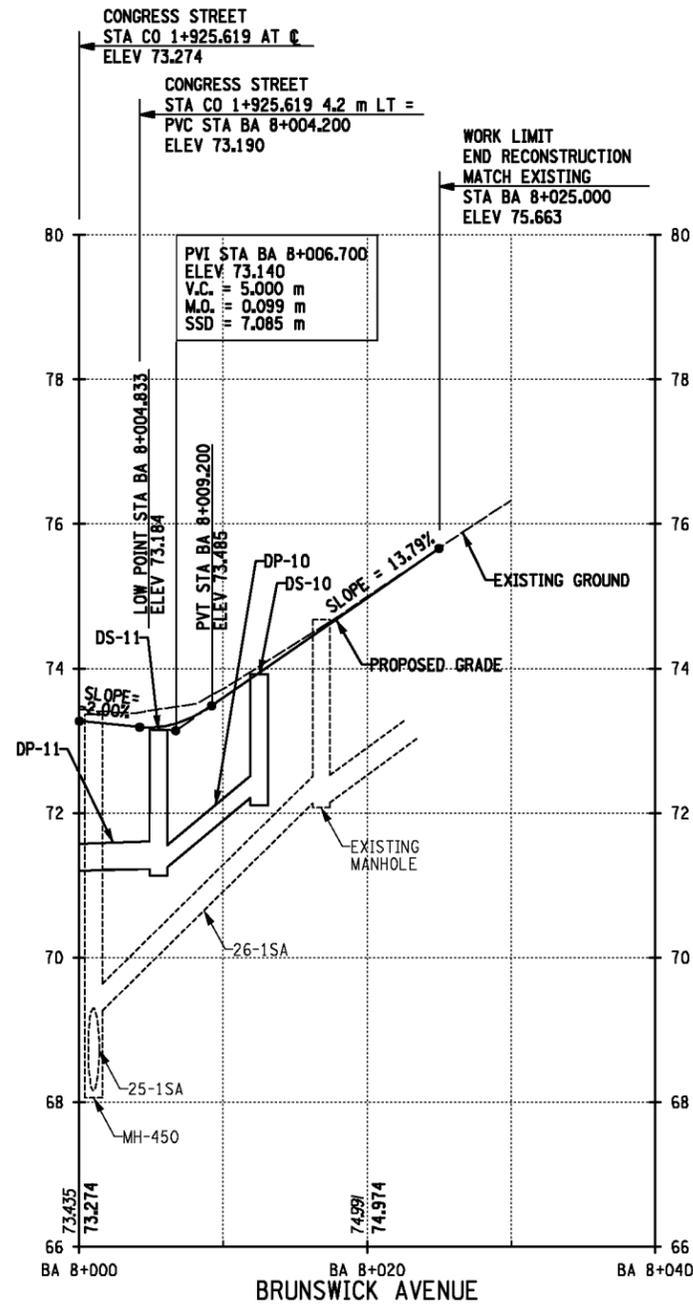
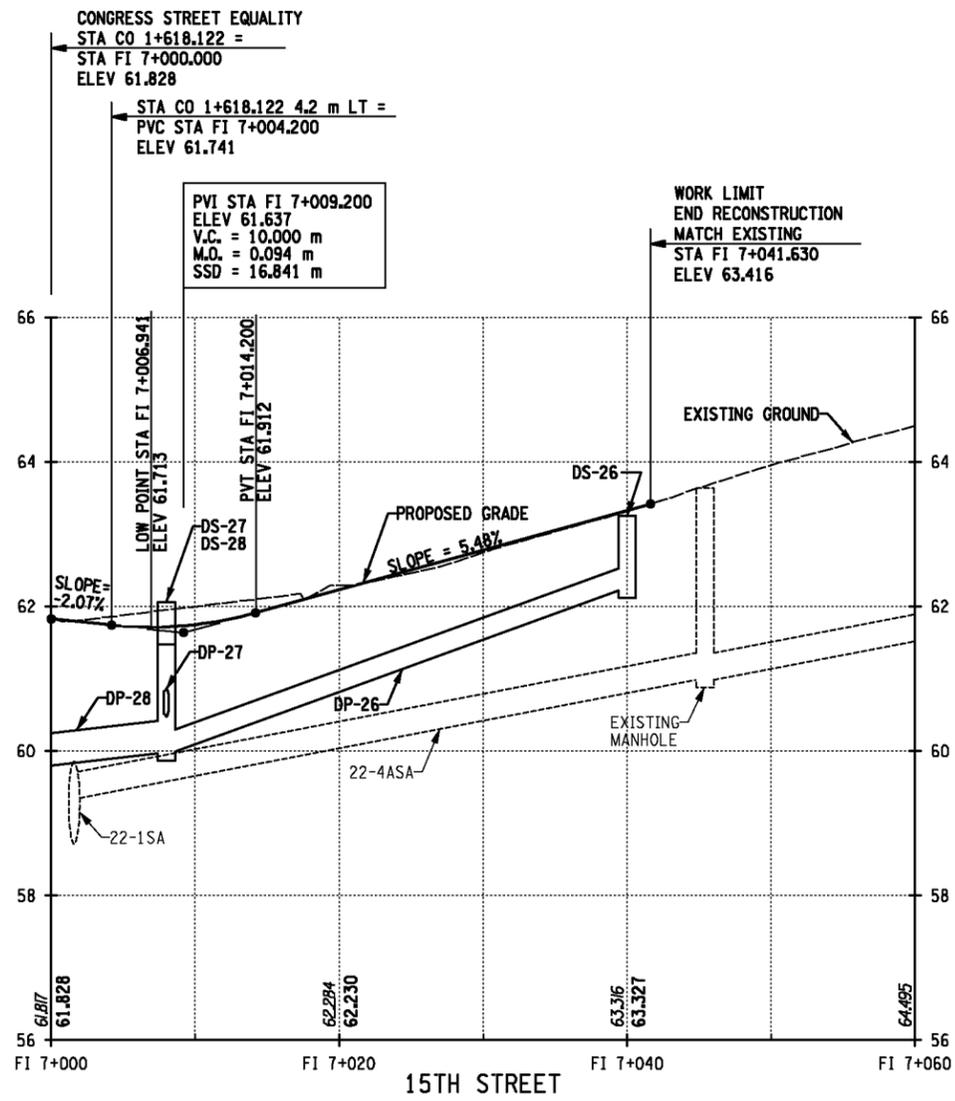


NOTE:
 STATION AND ELEVATION FOR THE SIDE STREETS
 ARE BASED UPON A PERPENDICULAR OFFSET FROM
 THE CONTROLLING ALIGNMENT.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	DATE _____	CITY OF TROY				
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AI_PRO.DGN				

FILE NAME = J:\98048\Cadd\175339AJ_PRO.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



NOTE:
 STATION AND ELEVATION FOR THE SIDE STREETS
 ARE BASED UPON A PERPENDICULAR OFFSET FROM
 THE CONTROLLING ALIGNMENT.

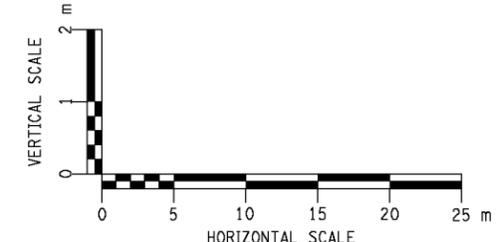
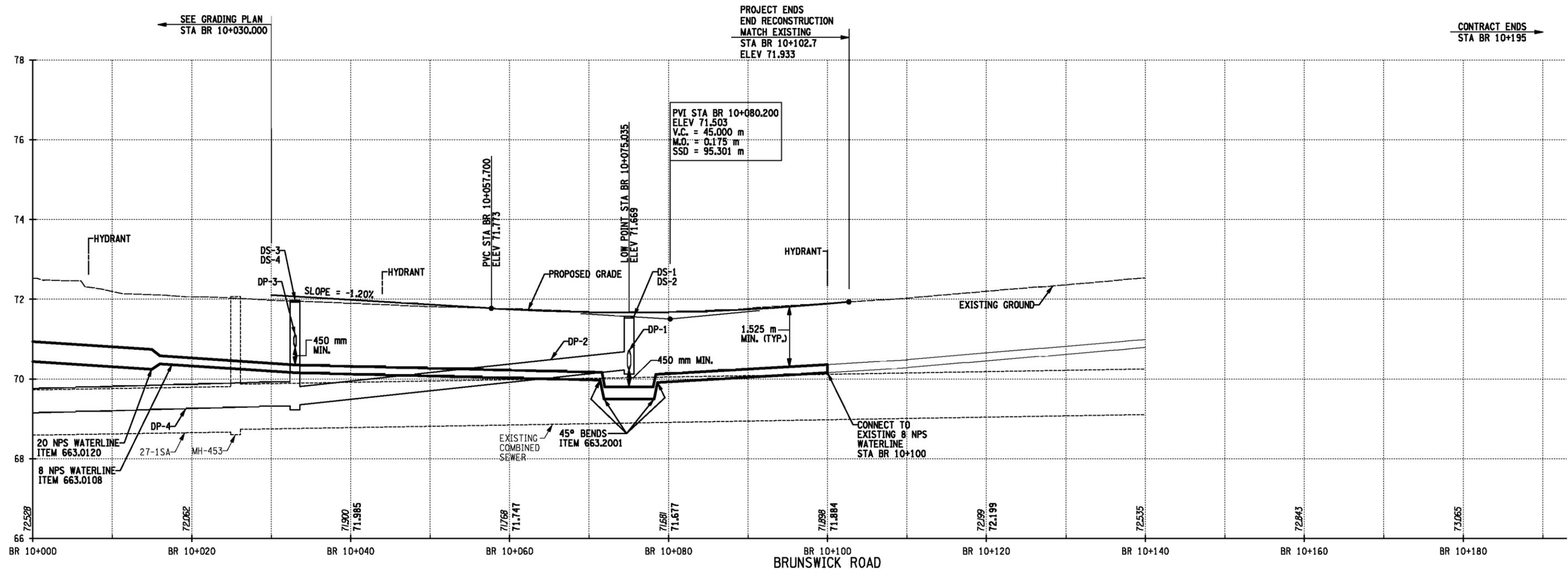
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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE	DATE	CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66 COUNTY: RENSSELAER	DRAWING NO. PR-10 SHEET NO. 41			
		DOCUMENT NAME: 175339AJ_PRO.DGN				

FILE NAME = J:\98048\Cadd\175339AK_PRO.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

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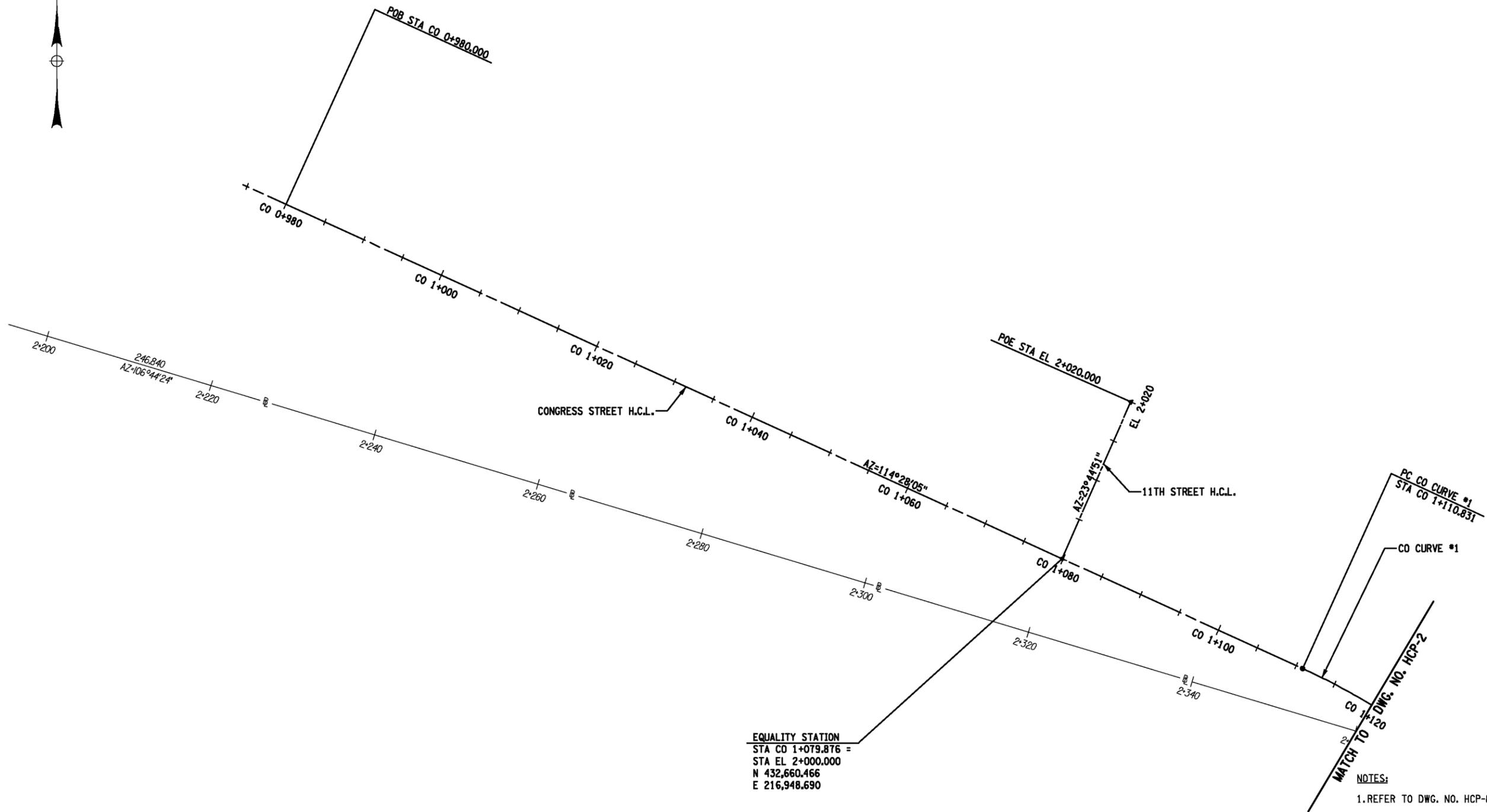


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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			PROFILE
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AK_PRO.DGN					

FILE NAME = J:\98048\Cadd\175339AA_HCP.DGN
 DATE/TIME = 1/7/2011
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EQUALITY STATION
 STA CO 1+079.876 =
 STA EL 2+000.000
 N 432,660.466
 E 216,948.690

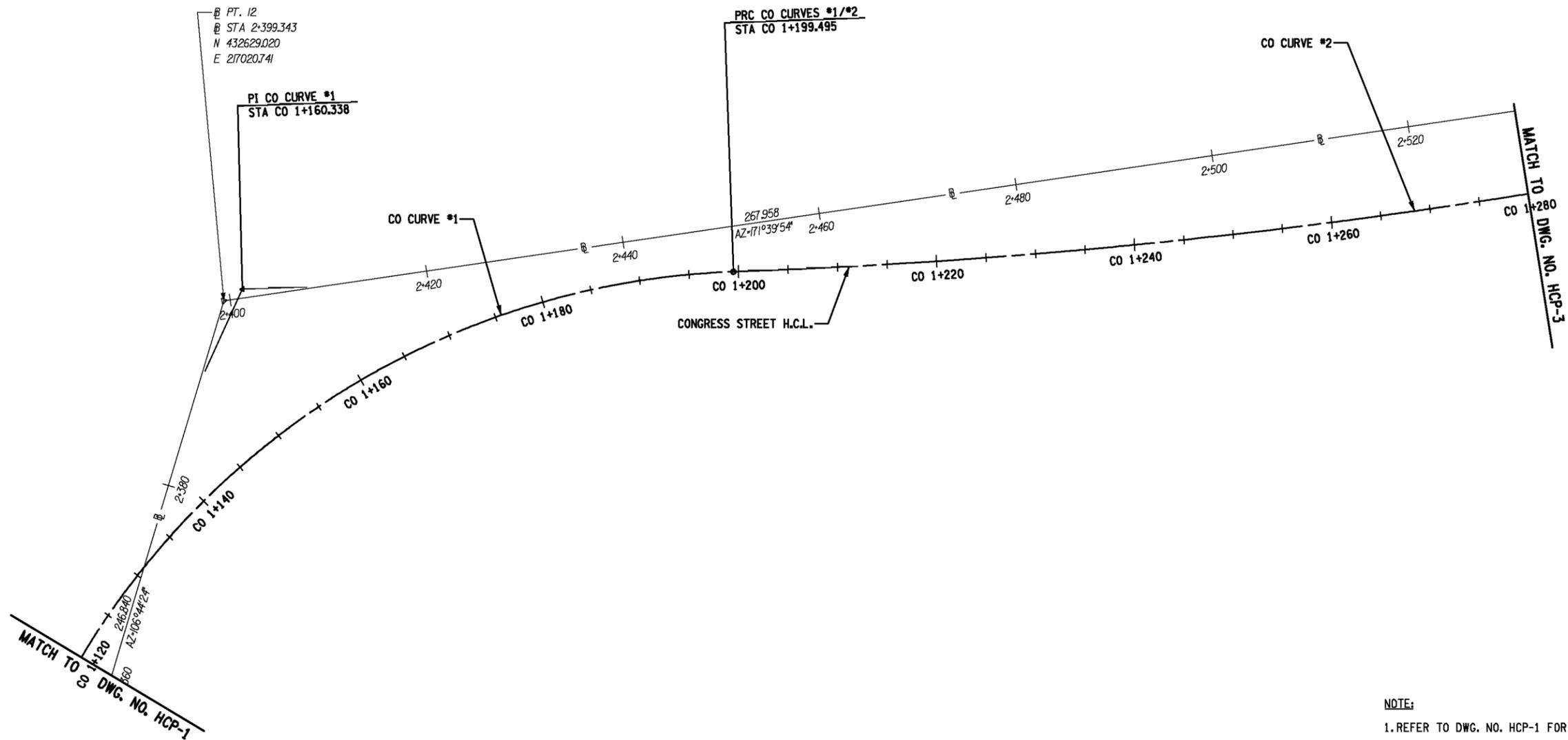
- NOTES:
 1. REFER TO DWG. NO. HCP-8 FOR HORIZONTAL CONTROL TABLE.
 2. REFER TO DWG. NO. BLT-1 FOR BASELINE TIES AND BENCHMARKS.



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	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY		THE CITY OF TROY		HORIZONTAL CONTROL PLAN	DRAWING NO. HCP-1 SHEET NO. 43
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
SIGNATURE _____	DATE _____	COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AA_HCP.DGN				



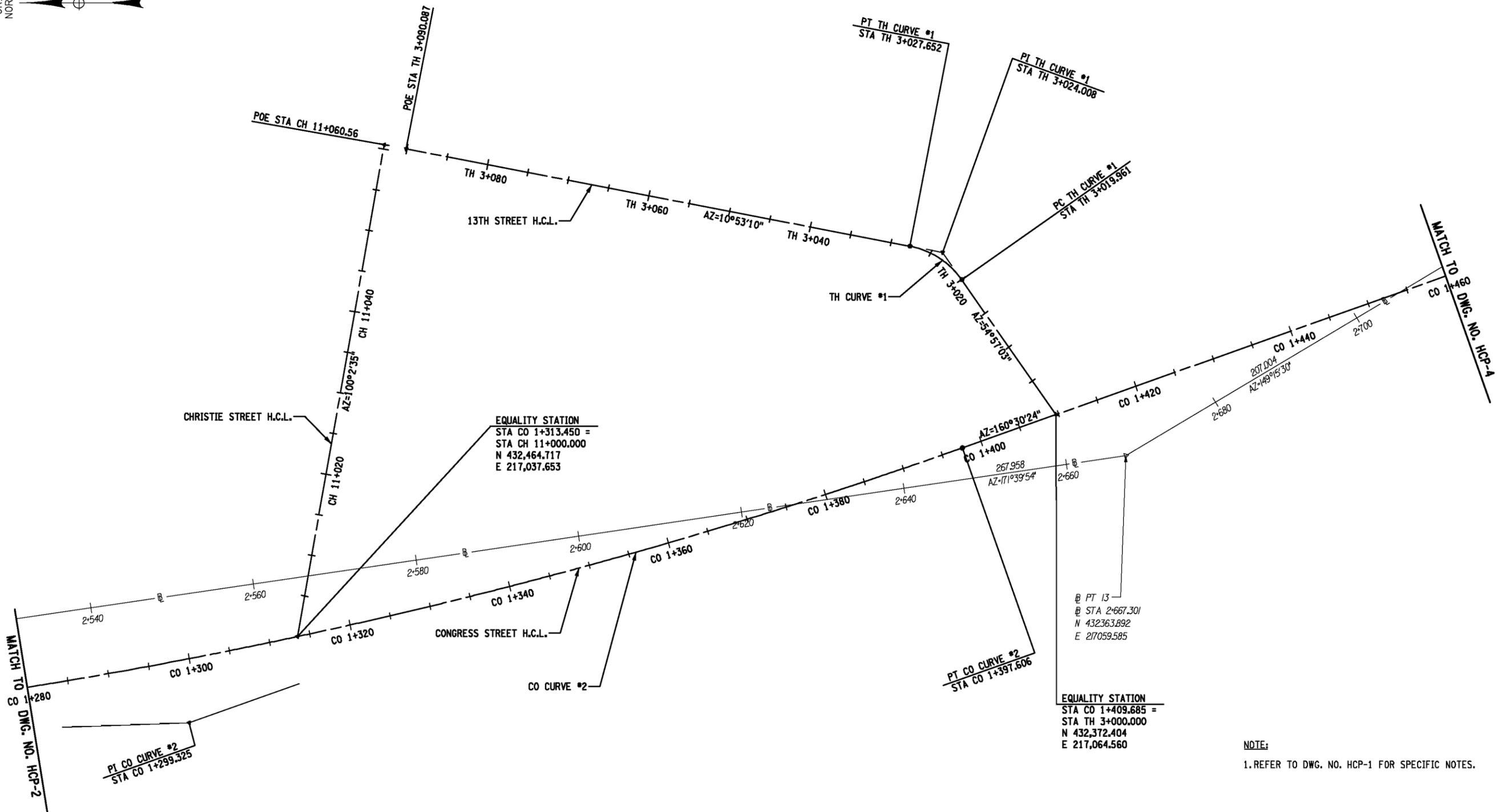
NOTE:
 1. REFER TO DWG. NO. HCP-1 FOR SPECIFIC NOTES.



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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	CITY OF TROY				HORIZONTAL CONTROL PLAN	DRAWING NO. HCP-2 SHEET NO. 44
DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AB_HCP.DGN					



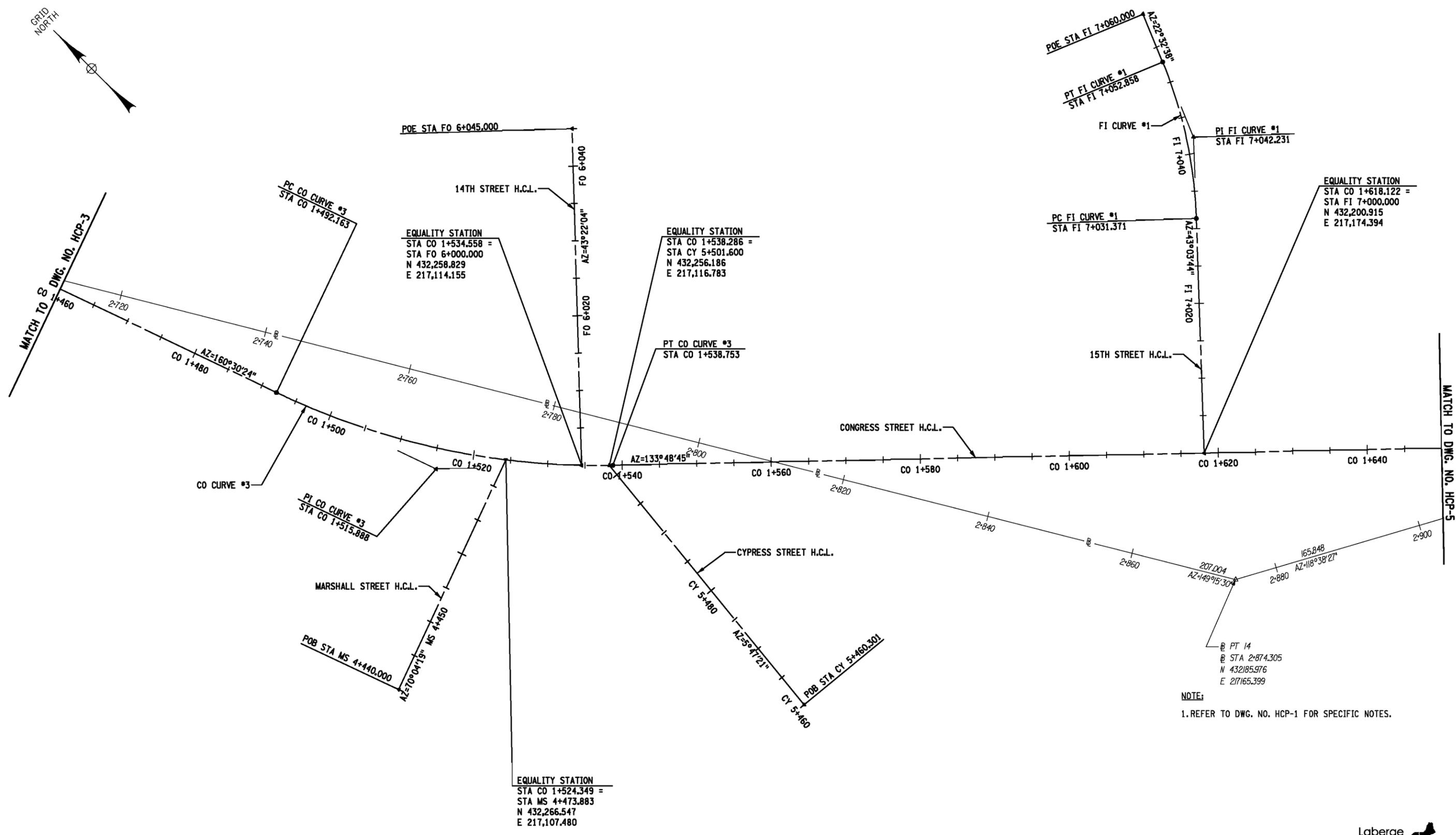
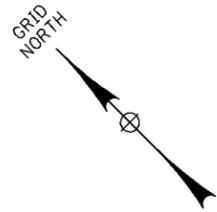
NOTE:
 1. REFER TO DWG. NO. HCP-1 FOR SPECIFIC NOTES.



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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	CITY OF TROY		THE CITY OF TROY		HORIZONTAL CONTROL PLAN	DRAWING NO. HCP-3 SHEET NO. 45
DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AC_HCP.DGN					



NOTE:
 1. REFER TO DWG. NO. HCP-1 FOR SPECIFIC NOTES.

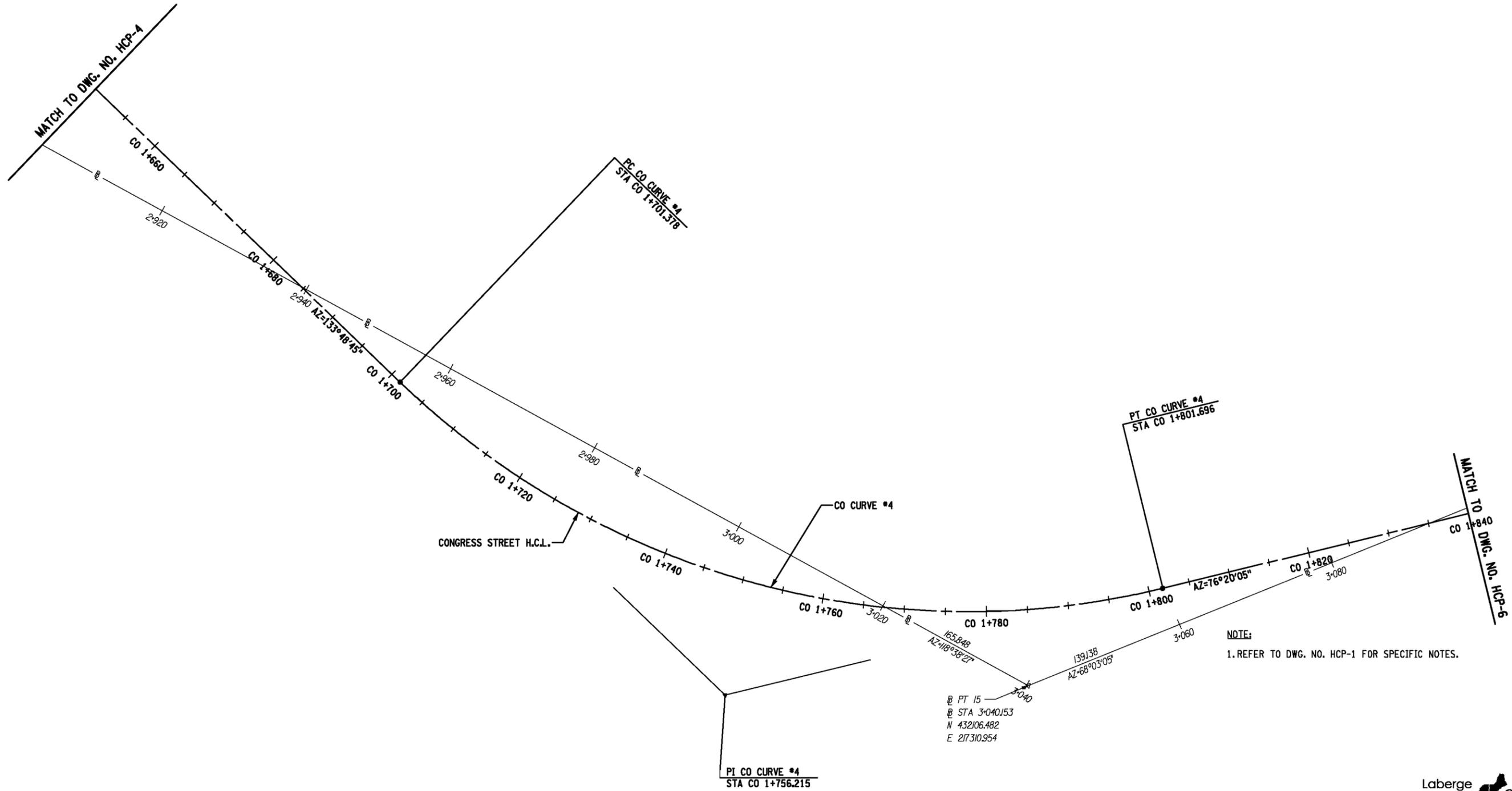


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	S.H. C65026		PS&E DATE: 1/10/11			
SIGNATURE _____	DATE _____	CITY OF TROY	HORIZONTAL CONTROL PLAN		DRAWING NO. HCP-4 SHEET NO. 46	
	DOCUMENT NAME: 175339AD_HCP.DGN					

FILE NAME = J:\98048\Cadd\175339AE_HCP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI DESIGNED BY M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



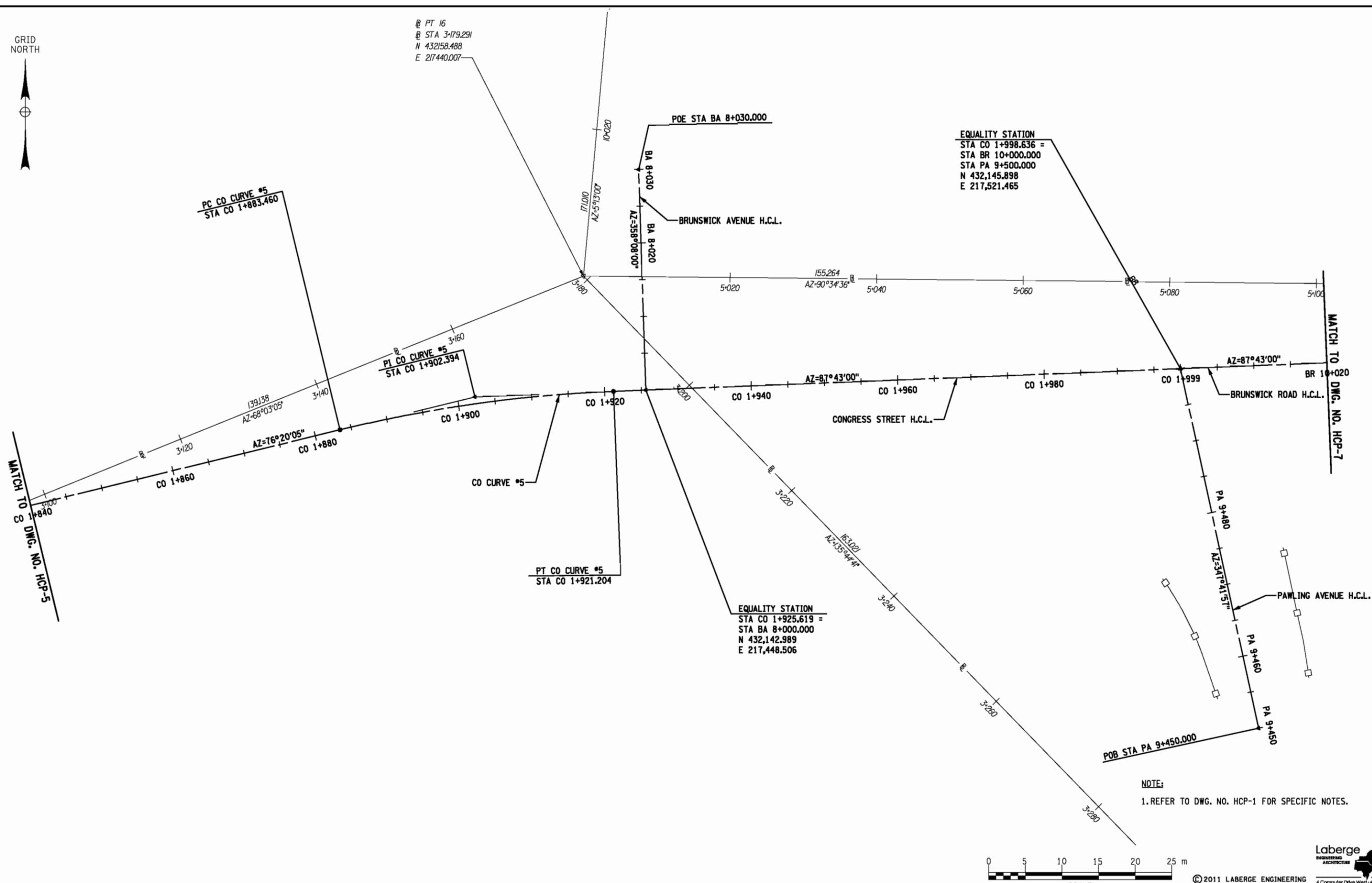
NOTE:
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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	CITY OF TROY		THE CITY OF TROY		HORIZONTAL CONTROL PLAN	DRAWING NO. HCP-5 SHEET NO. 47
DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AE_HCP.DGN					



NOTE:
 1. REFER TO DWG. NO. HCP-1 FOR SPECIFIC NOTES.



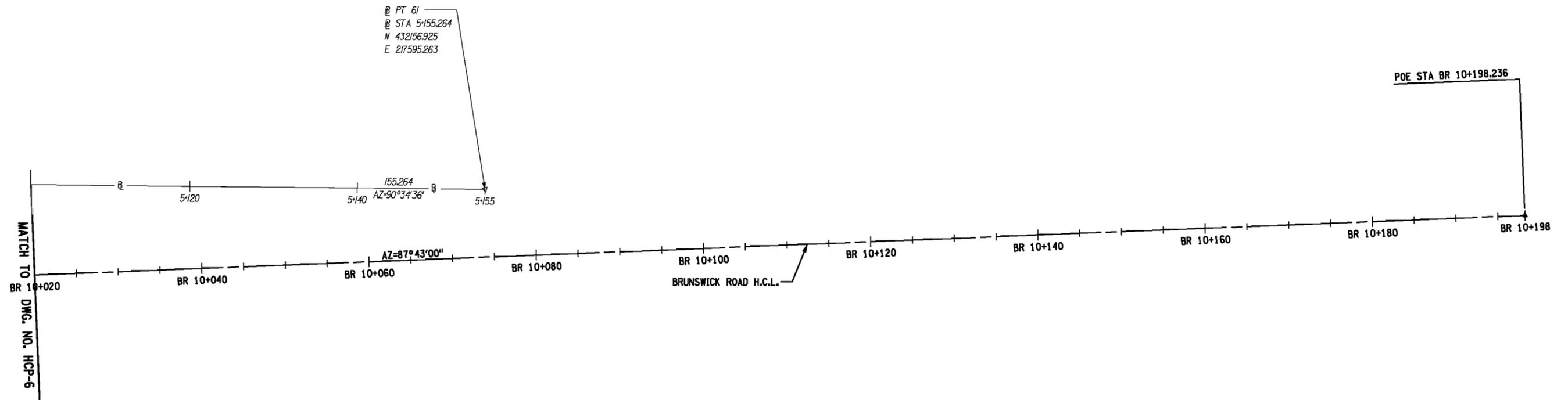
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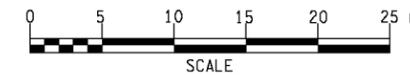
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	S.H. C65026		PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE	DATE	CITY OF TROY		HORIZONTAL CONTROL PLAN			
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
		COUNTY: RENSSELAER					
		DOCUMENT NAME: 175339AF_HCP.DGN					

FILE NAME = J:\98048\Cadd\175339AG_HCP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI DESIGNED BY M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



NOTE:
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SIGNATURE _____	DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
	DOCUMENT NAME: 175339AG_HCP.DGN					

HORIZONTAL CONTROL TABLE									
H.C.L. POINT	H.C.L. STATION	COORDINATES		CURVE DATA				BASELINE STATION	OFFSET/SIDE
		NORTHING	EASTING	Δ	R	T	L		
CONGRESS STREET									
POB	CO 0+980.000	432,701.833	216,857.783	-	-	-	-	2+222.318	22.791 LT
PC CO CURVE #1	CO 1+110.831	432,647.645	216,976.864	-	-	-	-	2+351.961	5.198 LT
PI CO CURVE #1	CO 1+160.338	432,627.140	217,021.925	63°-30'-04.9"	80.000	49.507	88.665	2+401.375	0.899 LT
PRC CO CURVES #1/#2	CO 1+199.495	432,577.664	217,023.679	-	-	-	-	2+450.582	4.538 RT
PI CO CURVE #2	CO 1+299.325	432,477.897	217,027.216	17°-27'-46.6"	650.000	99.830	198.111	2+549.808	15.501 RT
PT CO CURVE #2	CO 1+397.606	432,383.790	217,060.529	-	-	-	-	2+647.750	3.819 LT
PC CO CURVE #3	CO 1+492.163	432,294.654	217,092.082	-	-	-	-	2+743.422	7.462 RT
PI CO CURVE #3	CO 1+515.888	432,272.288	217,100.000	26°-41'-38.3"	100.000	23.726	46.590	2+766.692	12.089 RT
PT CO CURVE #3	CO 1+538.753	432,255.863	217,117.120	-	-	-	-	2+789.560	5.771 RT
PC CO CURVE #4	CO 1+701.378	432,143.277	217,234.472	-	-	-	-	2+955.393	4.366 RT
PI CO CURVE #4	CO 1+756.215	432,105.313	217,274.043	57°-28'-40.5"	100.000	54.837	100.318	3+008.318	18.718 RT
PT CO CURVE #4	CO 1+801.696	432,118.269	217,327.327	-	-	-	-	3+059.745	4.812 LT
PC CO CURVE #5	CO 1+883.460	432,137.586	217,406.777	-	-	-	-	3+140.657	6.967 RT
PI CO CURVE #5	CO 1+902.394	432,142.059	217,425.175	11°-22'-55.0"	190.000	18.934	37.744	3+159.393	9.695 RT
PT CO CURVE #5	CO 1+921.204	432,142.813	217,444.095	-	-	-	-	3+193.370	8.011 RT
POE	CO 1+998.636	432,145.898	217,521.465	-	-	-	-	3+245.154	49.558 LT
11TH STREET									
POB	EL 2+000.000	432,660.466	216,948.690	-	-	-	-	2+321.287	9.360 LT
POE	EL 2+020.000	432,678.773	216,956.744	-	-	-	-	2+323.727	29.211 LT
CHRISTIE STREET									
POB	CH 11+000.000	432,464.717	217,037.653	-	-	-	-	2+564.362	7.085 RT
POE	CH 11+060.560	432,454.156	217,097.285	-	-	-	-	2+583.455	50.386 LT
13TH STREET									
POB	TH 3+000.000	432,372.404	217,064.560	-	-	-	-	2+659.600	6.156 LT
PC TH CURVE #1	TH 3+019.961	432,383.867	217,080.901	-	-	-	-	2+650.627	23.987 LT
PI TH CURVE #1	TH 3+024.008	432,386.191	217,084.214	44°-03'-53.2"	10.000	4.047	7.691	2+648.807	27.601 LT
PT TH CURVE #1	TH 3+027.652	432,390.165	217,084.978	-	-	-	-	2+644.986	28.934 LT
POE	TH 3+090.087	432,451.477	217,096.770	-	-	-	-	2+586.031	49.488 LT

MARSHALL STREET									
POB	MS 4+440.000	432,254.998	217,075.625	-	-	-	-	2+769.092	41.877 RT
POE	MS 4+473.883	432,266.547	217,107.480	-	-	-	-	2+775.449	8.595 RT
14TH STREET									
POB	FO 6+000.000	432,258.829	217,114.155	-	-	-	-	2+785.495	6.803 RT
POE	FO 6+045.000	432,291.543	217,145.056	-	-	-	-	2+773.174	36.478 LT
CYPRESS STREET									
POB	CY 5+460.301	432,215.097	217,112.617	-	-	-	-	2+822.296	30.479 RT
POE	CY 5+501.600	432,256.186	217,116.783	-	-	-	-	2+789.110	5.895 RT
15TH STREET									
POB	FI 7+000.000	432,200.915	217,174.394	-	-	-	-	2+866.064	15.367 LT
PC FI CURVE #1	FI 7+031.371	432,223.835	217,195.814	-	-	-	-	2+857.313	45.493 LT
PI FI CURVE #1	FI 7+042.231	432,231.769	217,203.229	20°-31'-05.5"	60.000	10.860	21.487	2+854.284	55.922 LT
PT FI CURVE #1	FI 7+052.858	432,241.799	217,207.392	-	-	-	-	2+847.792	64.627 LT
POE	FI 7+060.000	432,248.395	217,210.131	-	-	-	-	2+843.657	70.172 LT
BRUNSWICK AVENUE									
POB	BA 8+000.000	432,142.989	217,448.506	-	-	-	-	3+196.323	4.729 RT
POE	BA 8+030.000	432,172.973	217,447.529	-	-	-	-	10+015.109	6.174 RT
BRUNSWICK ROAD									
POB	BR 10+000.000	432,145.898	217,521.465	-	-	-	-	3+245.154	49.558 LT
POE	BR 10+198.236	432,153.796	217,719.544	-	-	-	-	10+020.745	278.806 RT
PAWLING AVENUE									
POB	PA 9+450.000	432,097.046	217,532.117	-	-	-	-	3+287.577	23.095 LT
POE	PA 9+500.000	432,145.898	217,521.465	-	-	-	-	3+245.154	49.558 LT

NOTE:
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	S.H. C65026						
	CITY OF TROY						
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66						
SIGNATURE	DATE			HORIZONTAL CONTROL TABLE		DRAWING NO. HCP-8 SHEET NO. 50	
DOCUMENT NAME: 175339AH_HCP.DGN							

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER STRUCTURES											
EXISTING SEWER STRUCTURE		CL STATION	OFFSET	SIDE	EXISTING T.G.	PROPOSED T.G.	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	604.0701YY (EA)	ACTION
STR. NO.	STR. TYPE										
403	MH	CO 1+075.5	7.2	LT	45.14	-	-	43.56	8.90	-	REMOVE EXISTING STRUCTURE
404	MH	CO 1+079.0	3.3	LT	45.36	45.28	43.38(NE) 42.40(SE)	42.36	-	604.070101	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
405	CB	CO 1+089.2	3.4	LT	45.78	-	-	42.50	17.40	-	REMOVE EXISTING STRUCTURE
406	CB	CO 1+089.1	7.0	LT	45.51	-	-	43.78	9.65	-	REMOVE EXISTING STRUCTURE
407	MH	CO 1+122.3	4.0	LT	46.83	47.07	43.03	42.98	-	604.070102	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
408	CB	CO 1+122.7	7.8	LT	46.55	-	-	43.91	14.20	-	REMOVE EXISTING STRUCTURE
409	CB	CO 1+152.9	14.8	LT	47.52	-	-	44.97	13.75	-	REMOVE EXISTING STRUCTURE & PIPE CONNECTING TO MH 410
410	MH	CO 1+152.4	15.6	LT	47.67	-	-	45.43	12.20	-	REMOVE EXISTING STRUCTURE
411	MH	CO 1+194.3	1.6	LT	49.44	49.10	-	45.71	-	604.070103	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
412	CB	CO 1+196.5	5.6	LT	49.44	-	-	48.94	3.50	-	REMOVE EXISTING STRUCTURE & PIPE CONNECTING TO MH 413
413	MH	CO 1+196.5	6.8	LT	49.51	-	48.86	47.60	10.55	-	REMOVE EXISTING STRUCTURE
414	CB	CO 1+215.8	5.5	RT	49.99	-	-	47.91	11.40	-	REMOVE EXISTING STRUCTURE
415	MH	CO 1+281.9	5.1	LT	52.26	52.18	-	49.20	-	604.070104	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
SUBTOTAL 1									101.55	4.00	

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

* YY = LOCATION

GENERAL NOTES:

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT CONDITIONS AND QUANTITIES AS SHOWN ON THE TABLE ARE ESTIMATED. THESE CONDITIONS AND QUANTITIES ARE NOT TO BE DEEMED OR CONSIDERED BY THE CONTRACTOR AS A WARRANTY OR REPRESENTATION OF ACTUAL FIELD CONDITIONS TO BE ENCOUNTERED OR EXACT QUANTITIES OF WORK TO BE PERFORMED.
2. LENGTHS OF PIPE SHOWN IN THE TABLE ARE NOMINAL DIMENSIONS. EXACT DIMENSIONS MUST BE DETERMINED IN THE FIELD.
3. AN EXCAVATION PROTECTION SYSTEM (EPS) SHALL BE USED FOR ALL TRENCH EXCAVATIONS DEEPER THAN 1.5 m. PAYMENT FOR THE EPS SHALL BE MADE UNDER ITEM 552.16.
4. TRENCH AND CULVERT EXCAVATION SHALL BE PAID UNDER ITEM 206.02 - TRENCH AND CULVERT EXCAVATION - THE TOP EXCAVATION PAYMENT LINE SHALL BE SUBGRADE, FINISHED GRADE OR ORIGINAL GROUND, WHICHEVER IS LOWER. ALL EXCAVATION QUANTITIES SHALL BE COMPUTED FROM THIS TOP PAYMENT LINE REGARDLESS OF THE ACTUAL SURFACE FROM WHICH THE EXCAVATION IS MADE.
5. ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, STANDARD ORDINANCES, RULES AND REGULATIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SYSTEM THAT WILL SUPPORT TRANSVERSE UTILITIES ENCOUNTERED DURING TRENCHING OPERATIONS. COST FOR THIS SYSTEM SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
7. REFER TO DRAWINGS PR-1 THROUGH PR-11 FOR PROFILE OF EXISTING COMBINED SANITARY AND STORM SEWER.
8. REFER TO DRAWINGS UDP-1 THROUGH UDP-7 FOR PLAN OF EXISTING COMBINED SANITARY AND STORM SEWER.
9. COST FOR CAPPING BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT. PRECAST CONCRETE PAVERS SHALL CONFORM TO SECTION 704-13 OF THE NYS STANDARD SPECIFICATIONS.
10. COST FOR CLEANING EXISTING COMBINED SANITARY AND STORM SEWER SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER	DOCUMENT NAME: 175339AA_MTB.DGN		MISCELLANEOUS TABLES		DRAWING NO. MT-1 SHEET NO. 51	



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TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER STRUCTURES											
EXISTING SEWER STRUCTURE		CL STATION	OFFSET	SIDE	EXISTING T.G.	PROPOSED T.G.	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	604.0701YY (EA)	ACTION
STR. NO.	STR. TYPE										
416	CB	CO 1+311.6	8.7	LT	53.16	-	-	51.64	8.60	-	REMOVE EXISTING STRUCTURE
416A	CB	CH 11+050.7	5.2	LT	59.20	-	-	58.06	6.70	-	REMOVE EXISTING STRUCTURE
417	MH	CO 1+315.6	3.8	LT	53.54	53.45	51.77(E) 50.43(S)	50.43	-	604.070105	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
418	MH	CO 1+323.0	8.3	LT	53.82	-	53.14	51.44	12.90	-	REMOVE EXISTING STRUCTURE
419	CB	CO 1+322.9	4.8	RT	53.56	-	-	51.42	11.70	-	REMOVE EXISTING STRUCTURE & PIPE CONNECTING TO MH 420
420	MH	CO 1+323.0	6.0	RT	53.77	-	-	50.86	15.55	-	REMOVE EXISTING STRUCTURE
421	CB	CO 1+324.8	7.3	LT	53.77	-	-	53.18	3.95	-	REMOVE EXISTING STRUCTURE
422	MH	CO 1+384.6	2.8	LT	56.06	55.83	53.06	53.03	-	604.070106	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
423	MH	CO 1+404.3	8.9	LT	56.86	-	55.92	54.25	14.05	-	REMOVE EXISTING STRUCTURE & PIPE CONNECTING TO CB 424
424	CB	CO 1+405.8	9.0	LT	56.72	-	-	56.14	3.90	-	REMOVE EXISTING STRUCTURE
425	MH	CO 1+426.6	2.9	LT	57.19	56.92	54.00(SE) 54.60(NE)	53.95	-	604.070107	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
426	MH	TH 3+042.0	5.3	LT	57.73	-	-	56.63	-	-	NONE
427	MH	CO 1+430.3	7.5	LT	57.15	-	55.87	54.73	13.10	-	REMOVE EXISTING STRUCTURE
428	CB	CO 1+434.0	7.3	LT	57.10	-	-	55.88	7.10	-	REMOVE EXISTING STRUCTURE
429	MH	CO 1+492.7	3.4	LT	58.35	58.14	-	55.09	-	604.070108	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
430	MH	CO 1+527.9	8.4	LT	59.03	-	57.99	56.55	13.40	-	REMOVE EXISTING STRUCTURE & PIPE CONNECTING TO CB 431
431	CB	CO 1+529.7	7.8	LT	58.87	-	-	58.17	4.50	-	REMOVE EXISTING STRUCTURE
SUBTOTAL 2									115.45	4.00	

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

* YY = LOCATION

NOTE:
REFER TO DWG. NO. MT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER			MISCELLANEOUS TABLES		DRAWING NO. MT-2 SHEET NO. 52	
SIGNATURE _____ DATE _____						DOCUMENT NAME: 175339AB_MTB.DGN

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER STRUCTURES											
EXISTING SEWER STRUCTURE		CL STATION	OFFSET	SIDE	EXISTING T.G.	PROPOSED T.G.	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	604.0701YY (EA)	ACTION
STR. NO.	STR. TYPE										
432	MH	CO 1+539.9	1.2	LT	59.15	59.05	-	55.81	-	604.070109	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
433	CB	CO 1+540.0	7.0	LT	58.97	-	-	56.87	11.50	-	REMOVE EXISTING STRUCTURE
434	CB	CO 1+551.4	6.1	RT	59.40	-	-	56.94	13.30	-	REMOVE EXISTING STRUCTURE & PIPE CONNECTING TO MH 435
435	MH	CO 1+551.5	7.3	RT	59.46	-	58.80	56.79	14.35	-	REMOVE EXISTING STRUCTURE
436	MH	CO 1+603.4	1.5	LT	61.12	61.15	58.04(SE) 58.39(SW)	57.97	-	604.070110	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
437	CB	CO 1+624.2	5.7	RT	61.94	-	-	59.93	11.05	-	REMOVE EXISTING STRUCTURE & PIPE CONNECTING TO MH 438
438	MH	CO 1+624.2	6.8	RT	62.04	-	-	60.64	8.00	-	REMOVE EXISTING STRUCTURE
439	CB	CO 1+625.5	7.6	LT	61.88	-	-	60.15	9.65	-	REMOVE EXISTING STRUCTURE
440	MH	CO 1+685.9	1.9	LT	65.72	65.51	62.52	62.48	-	604.070111	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
441	MH	CO 1+733.5	6.0	RT	68.52	-	67.55	65.97	13.75	-	REMOVE EXISTING STRUCTURE & PIPE CONNECTING TO CB 442
442	CB	CO 1+734.3	5.1	RT	68.43	-	-	67.61	5.10	-	REMOVE EXISTING STRUCTURE
443	CB	CO 1+733.8	6.2	LT	68.44	-	-	67.69	4.75	-	REMOVE EXISTING STRUCTURE & PIPE CONNECTING TO MH 444
444	MH	CO 1+734.0	7.8	LT	68.58	-	67.58	66.38	12.00	-	REMOVE EXISTING STRUCTURE
445	MH	CO 1+744.0	1.8	LT	69.08	68.42	65.83	65.73	-	604.070112	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
446	CB	CO 1+771.4	4.3	LT	69.55	-	66.90(N) 66.70 (E)	66.66	15.45	-	REMOVE EXISTING STRUCTURE
447	MH	CO 1+822.3	3.3	LT	70.98	70.95	67.75	67.70	-	604.070113	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION
SUBTOTAL 3									118.90	5.00	

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.07DIYY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

* YY = LOCATION

NOTE:
REFER TO DWG. NO. MT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER	MISCELLANEOUS TABLES		DRAWING NO. MT-3 SHEET NO. 53			
SIGNATURE _____	DATE _____	DOCUMENT NAME: 175339AC_MTB.DGN				

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER STRUCTURES												
EXISTING SEWER STRUCTURE	STR. NO.	STR. TYPE	CL STATION	OFFSET	SIDE	EXISTING T.G.	PROPOSED T.G.	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	604.0701YY (EA)	ACTION
449	CB	CO 1+920.8	6.9	LT	73.33	-	-	70.41	15.60	-	REMOVE EXISTING STRUCTURE	
450	MH	CO 1+924.3	2.7	LT	73.36	73.22	69.26(N) 69.22(S) 68.24(F)	68.16	-	604.070115	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION	
451	MH	CO 1+925.9	4.3	RT	73.30	73.19	71.03	70.42	-	604.070116	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION	
452	CB	CO 1+930.9	8.0	LT	73.34	-	-	71.34	11.00	-	REMOVE EXISTING STRUCTURE	
453	MH	BR 10+017.2	2.0	LT	72.07	72.38	68.73	68.67	-	604.070117	ALTER EXISTING MH TO PROPOSED T.G. ELEVATION	
454	CB	PA 9+475.6	7.5	LT	71.67	-	-	70.66	6.05	-	REMOVE EXISTING STRUCTURE	
455	MH	PA 9+474.4	8.9	LT	71.83	-	70.51	70.45	7.90	-	REMOVE EXISTING STRUCTURE	
456	CB	PA 9+456.2	7.8	RT	71.78	-	-	70.50	7.40	-	REMOVE EXISTING STRUCTURE	
457	CB	BR 10+083.1	4.6	RT	71.40	-	-	70.30	6.50	-	REMOVE EXISTING STRUCTURE & PIPE CONNECTING TO MH 458	
458	MH	BR 10+082.9	2.8	RT	71.56	-	-	70.29	7.35	-	REMOVE EXISTING STRUCTURE	
459	CB	BR 10+083.0	6.7	LT	71.48	-	-	70.40	6.40	-	REMOVE EXISTING STRUCTURE & PIPE CONNECTING TO MH 460	
460	MH	BR 10+082.9	7.6	LT	71.72	-	-	70.39	7.65	-	REMOVE EXISTING STRUCTURE	
SUBTOTAL 4									75.85	4.00		
TOTAL - EXISTING STRUCTURES									411.75	17.00		

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

* YY = LOCATION

NOTE:
REFER TO DWG. NO. MT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE	DATE	CITY OF TROY			MISCELLANEOUS TABLES	
		COUNTY: RENSSELAER			SHEET NO. 54	
DOCUMENT NAME: 175339AD_MTB.DGN						

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER PIPES																					
EXISTING SEWER PIPE	STRUCTURE TO STRUCTURE (PIPE)	TYPE	DIAMETER	CL STA OF OUTLET	OFFSET	SIDE	LENGTH	TOP ELEV	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	552.16 (SQM)	603.9922--15 (M)	603.9923--15 (M)	603.9924--15 (M)	603.9925--15 (M)	603.9926--15 (M)	603.9927--15 (M)	623.11 (CM)	ACTION	
11	7ST TO 8SA	VCP	200	CO 1+075.5	3.3	LT	4.0	45.18	43.10	43.06	5.56	12.36	-	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS
	8SA TO 9SA	VCP	375	CO 1+079.0	3.3	LT	7.0	45.28	43.45	43.38	8.25	-	-	-	-	-	-	7.0	-	4.88	REPLACE 7.0 M OF EXISTING 11-8SA PIPE BETWEEN MH 404 AND NEW SANITARY MANHOLE AT STA EL 2+010.5, 0.9 M LT
	9SA TO 12	VCP	150	CO 1+079.0	3.3	LT	14.0	45.28	43.30	43.16	18.84	19.92	14.0	-	-	-	-	-	-	6.93	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
12	1SA TO 404	ELL. BRICK ARCH	760 x 1140	-	-	-	43.89	-	42.98	42.40											CLEAN EXISTING BRICK ARCH
SUBTOTAL 1											32.65	32.28	14.0	0.0	0.0	0.0	7.0	0.0	11.81		

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

*YY = LOCATION

NOTE:
REFER TO DWG. NO. MT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11			MISCELLANEOUS TABLES	DRAWING NO. MT-5 SHEET NO. 55
CITY OF TROY						
SIGNATURE _____	DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AE_MTB.DGN				

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

* YY = LOCATION

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER PIPES																						
EXISTING SEWER PIPE	STRUCTURE TO STRUCTURE (PIPE)	TYPE	DIAMETER	CL STA OF OUTLET	OFFSET	SIDE	LENGTH	TOP ELEV	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	552.16 (SQM)	603.9922--15 (M)	603.9923--15 (M)	603.9924--15 (M)	603.9925--15 (M)	603.9926--15 (M)	603.9927--15 (M)	623.11 (CM)	ACTION		
																					RUN NO.	PIPE NO.
12	2SA TO (12-1SA)	VCP	200	CO 1+082.6	3.3	LT	6.0	45.40	43.42	43.36	7.86	-	-	6.0	-	-	-	-	-	3.24	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	3ST 405 TO 406	VCP	450	CO 1+089.0	3.5	LT	3.0	45.63	43.29	43.26	4.86	10.80	-	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	4SA TO (12-1SA)	VCP	300	CO 1+089.6	3.3	LT	13.0	45.65	43.39	43.26	20.71	46.02	-	-	-	13.0	-	-	-	8.19	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	5SA TO (12-1SA)	VCP	150	CO 1+091.2	3.3	LT	7.0	45.71	43.33	43.26	11.72	26.04	7.0	-	-	-	-	-	-	3.47	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	6SA TO (12-1SA)	VCP	150	CO 1+104.3	3.2	LT	7.0	46.19	43.53	43.46	13.48	29.96	7.0	-	-	-	-	-	-	3.47	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	7SA TO (12-1SA)	VCP	300	CO 1+110.1	3.2	LT	13.0	46.40	43.69	43.56	25.97	57.72	-	-	-	13.0	-	-	-	-	8.19	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	8SA TO (12-1SA)	VCP	150	CO 1+110.4	3.2	LT	13.0	46.41	43.69	43.56	26.09	57.98	13.0	-	-	-	-	-	-	-	6.44	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	9SA TO (12-1SA)	VCP	250	CO 1+116.5	3.4	LT	13.0	46.64	43.79	43.66	27.61	61.36	-	-	13.0	-	-	-	-	-	7.61	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	13	1SA 407 TO 411	ELLP. BRICK ARCH	760 x 1140	-	-	-	78.3			43.03											CLEAN EXISTING BRICK ARCH
2ST 408 TO (13-1SA)		VCP	450	CO 1+123.2	4.1	LT	4.0	46.85	44.94	43.76	7.00	14.16	-	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
3SA TO (13-1SA)		VCP	200	CO 1+124.6	4.2	LT	8.0	47.05	43.84	43.76	19.40	43.12	-	8.0	-	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
4SA TO (13-1SA)		VCP	200	CO 1+136.2	6.3	LT	8.0	47.38	44.34	44.26	18.18	40.40	-	8.0	-	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
5SA TO (13-1SA)		VCP	200	CO 1+137.6	6.7	LT	8.0	47.44	44.34	44.26	18.61	41.36	-	8.0	-	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
6SA TO (13-1SA)		VCP	150	CO 1+138.4	6.9	LT	7.0	47.48	44.43	44.36	15.94	35.42	7.0	-	-	-	-	-	-	3.47	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
7SA TO (13-1SA)		VCP	150	CO 1+145.0	9.3	LT	7.0	47.74	44.63	44.56	16.32	36.26	7.0	-	-	-	-	-	-	3.47	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
8SA TO (13-1SA)		VCP	375	CO 1+151.2	12.1	LT	6.0	47.70	44.92	44.86	12.18	27.06	-	-	-	-	-	6.0	-	4.19	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
9ST 410 TO (13-1SA)		VCP	250	CO 1+153.2	13.3	LT	1.5	47.71	44.98	44.96	2.95	6.56	-	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
10SA TO (13-1SA)		VCP	150	CO 1+174.7	4.1	LT	8.0	48.49	45.84	45.76	15.37	34.16	8.0	-	-	-	-	-	-	3.96	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
11SA TO (13-1SA)	VCP	200	CO 1+181.3	2.7	LT	8.0	48.69	46.04	45.96	15.37	34.16	-	8.0	-	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE		
14	1SA 411 TO 415	ELLP. BRICK ARCH	760 x 1140	-	-	-	89.9														CLEAN EXISTING BRICK ARCH	
SUBTOTAL 2											279.63	602.54	49.0	38.0	13.0	26.0	6.0	0.0	72.95			

NOTE:
REFER TO DWG. NO. MT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	DATE _____	PS&E DATE: 1/10/11	THE CITY OF TROY		MISCELLANEOUS TABLES	DRAWING NO. MT-6 SHEET NO. 56
		DOCUMENT NAME: 175339AF_MTB.DGN				

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

* YY = LOCATION

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER PIPES																							
EXISTING SEWER PIPE RUN NO.	PIPE NO.	STRUCTURE TO STRUCTURE (PIPE)	TYPE	DIAMETER	CL STA OF OUTLET	OFFSET	SIDE	LENGTH	TOP ELEV	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	552.16 (SQM)	603.9922--15 (M)	603.9923--15 (M)	603.9924--15 (M)	603.9925--15 (M)	603.9926--15 (M)	603.9927--15 (M)	623.11 (CM)	ACTION		
14	2SA	TO (14-1SA)	VCP	150	CO 1+192.1	1.6	LT	8.0	49.03	46.54	46.46	14.22	31.60	8.0	-	-	-	-	-	-	3.96	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	3ST	413 TO (14-1SA)	VCP	375	CO 1+192.7	1.6	LT	5.0	49.05	46.51	46.46	9.05	20.10	-	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	4ST	414 TO (14-1SA)	VCP	200	CO 1+210.6	2.9	LT	10.0	49.67	47.26	47.16	17.15	38.10	-	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	5SA	TO (14-1SA)	VCP	150	CO 1+230.6	4.3	LT	6.0	50.29	48.02	47.96	9.42	20.94	6.0	-	-	-	-	-	-	-	2.97	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	6SA	TO (14-1SA)	VCP	150	CO 1+235.5	4.5	LT	6.0	50.47	48.22	48.16	9.32	20.70	6.0	-	-	-	-	-	-	-	2.97	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	7SA	TO (14-1SA)	VCP	150	CO 1+253.9	5.1	LT	5.0	51.14	48.91	48.86	7.65	17.00	5.0	-	-	-	-	-	-	-	2.48	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	8SA	TO (14-1SA)	VCP	200	CO 1+254.5	5.1	LT	5.0	51.16	48.91	48.86	7.74	17.20	-	5.0	-	-	-	-	-	-	2.70	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	9SA	TO (14-1SA)	VCP	200	CO 1+276.3	5.2	LT	15.0	51.97	49.81	49.66	22.68	50.40	-	15.0	-	-	-	-	-	-	8.10	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	10SA	TO (14-1SA)	VCP	200	CO 1+280.6	5.1	LT	6.0	52.13	49.92	49.86	9.10	20.22	-	6.0	-	-	-	-	-	-	3.24	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	11SA	TO (14-1SA)	VCP	375	CO 1+281.9	5.1	LT	6.0	52.18	50.02	49.96	8.83	19.62	-	-	-	-	-	-	6.0	-	4.19	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	15	1SA	415 TO 417	ELLP. BRICK ARCH	760 x 1140	-	-	-	30.8		50.44												CLEAN EXISTING BRICK ARCH
2SA		TO (15-1SA)	VCP	150	CO 1+283.4	5.1	LT	6.0	52.23	50.02	49.96	9.10	20.22	6.0	-	-	-	-	-	-	2.97	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
3SA		TO (15-1SA)	VCP	200	CO 1+284.3	5.1	LT	15.0	52.27	50.11	49.96	22.68	50.40	-	15.0	-	-	-	-	-	8.10	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
4SA		TO (15-1SA)	VCP	200	CO 1+285.2	5.1	LT	6.0	52.30	50.12	50.06	8.94	19.86	-	6.0	-	-	-	-	-	3.24	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
5SA		TO (15-1SA)	VCP	200	CO 1+292.3	4.9	LT	7.0	52.57	50.43	50.36	10.21	22.68	-	7.0	-	-	-	-	-	3.78	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
6SA		TO (15-1SA)	VCP	200	CO 1+300.3	4.6	LT	6.0	52.87	50.72	50.66	8.78	19.50	-	6.0	-	-	-	-	-	3.24	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
7SA		TO (15-1SA)	VCP	450	CO 1+308.6	4.2	LT	7.0	53.18	50.96	50.89	10.71	23.80	-	-	-	-	-	-	7.0	5.36	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
8ST		416 TO (15-1SA)	VCP	450	CO 1+310.1	4.1	LT	5.0	53.24	51.11	51.06	7.20	16.00	-	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
9SA		TO 417	VCP	200	CO 1+315.6	3.8	LT	7.0	53.40	51.91	51.84	6.11	-	-	7.0	-	-	-	-	-	3.78	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
416A-ST	CB 416A TO EX. MH	VCP	300	CH 11+055.5	1.8	LT	6.0	59.60	58.22	58.16	4.62	-	-	-	-	-	-	-	-	-	REMOVE PIPE, REPAIR EXISTING MANHOLE		
16	1SA	417 TO 422	ELLP. BRICK ARCH	760 x 1140	-	-	-	68.9		53.03	50.47											CLEAN EXISTING BRICK ARCH	
SUBTOTAL 3												203.48	428.34	31.0	67.0	0.0	0.0	6.0	7.0	61.07			

NOTE:
REFER TO DWG. NO. MT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	DATE _____	PS&E DATE: 1/10/11	THE CITY OF TROY		MISCELLANEOUS TABLES	DRAWING NO. MT-7 SHEET NO. 57
		DOCUMENT NAME: 175339AG.MTB.DGN				

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

* YY = LOCATION

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER PIPES																						
EXISTING SEWER PIPE	STRUCTURE TO STRUCTURE (PIPE)	TYPE	DIAMETER	CL STA OF OUTLET	OFFSET	SIDE	LENGTH	TOP ELEV	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	552.16 (SQM)	603.9922--15 (M)	603.9923--15 (M)	603.9924--15 (M)	603.9925--15 (M)	603.9926--15 (M)	603.9927--15 (M)	623.11 (CM)	ACTION		
																					RUN NO.	PIPE NO.
16	2ST	419 TO (16-1SA)	VCP	200	CO 1+320.4	3.5	LT	9.0	53.64	51.45	51.36	13.61	30.24	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	3ST	418 TO (16-1SA)	VCP	450	CO 1+321.9	3.4	LT	6.0	53.69	51.52	51.46	8.88	19.74	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	4ST	421 TO (16-1SA)	VCP	200	CO 1+324.6	3.2	LT	4.0	53.80	51.60	51.56	5.99	13.32	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	5SA	TO (16-1SA)	VCP	200	CO 1+339.4	1.8	LT	9.0	54.37	52.15	52.06	13.85	30.78	-	9.0	-	-	-	-	4.86	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	6ST	TO (16-1SA)	VCP	450	CO 1+347.0	1.0	LT	12.0	54.65	52.48	52.36	18.09	40.20	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	7SA	TO (16-1SA)	VCP	200	CO 1+348.8	1.2	LT	10.0	54.72	52.56	52.46	14.90	33.10	-	10.0	-	-	-	-	5.40	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	8SA	TO (16-1SA)	VCP	450	CO 1+361.1	1.9	LT	13.0	55.11	53.02	52.89	18.72	41.60	-	-	-	-	-	13.0	9.95	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	17	1SA	422 TO 425	ELL.P. BRICK ARCH	760 x 1140	-	-	-	41.8		53.95	53.06										CLEAN EXISTING BRICK ARCH
2SA		TO (17-1SA)	VCP	200	CO 1+388.9	2.9	LT	8.0	55.95	53.94	53.86	10.76	10.62	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
3SA		TO (17-1SA)	VCP	200	CO 1+397.8	2.9	LT	8.0	56.20	54.14	54.06	11.12	24.72	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
4ST		423 TO (17-1SA)	VCP	450	CO 1+403.1	2.9	LT	7.0	56.34	56.63	54.54	3.93	-	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
5ST		424 TO (17-1SA)	VCP	200	CO 1+405.8	2.9	LT	7.0	56.41	54.33	54.26	9.83	21.84	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
6SA		TO (17-1SA)	VCP	200	CO 1+414.5	2.9	LT	14.0	56.64	54.60	54.46	19.59	39.06	-	14.0	-	-	-	-	7.56	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
7SA		TO (17-1SA)	VCP	375	CO 1+424.6	2.9	LT	12.0	56.88	54.78	54.66	17.33	38.52	-	-	-	-	12.0	-	8.37	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
18	1SA	425 TO 426	VCP	375	-	-	-	49.0		56.63	54.60										CLEAN EXISTING PIPE	
	2SA	TO (18-1SA)	VCP	200	CO 1+424.5	4.2	LT	15.0	56.85	54.81	54.66	21.06	42.32	-	15.0	-	-	-	-	8.10	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	3SA	TO (18-1SA)	VCP	150	CO 1+416.1	9.2	LT	12.0	57.08	55.87	54.46	14.69	17.14	12.0	-	-	-	-	-	5.94	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	4SA	TO (18-1SA)	VCP	150	CO 1+415.8	9.3	LT	12.0	57.08	55.84	54.46	14.85	17.52	12.0	-	-	-	-	-	5.94	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
SUBTOTAL 4												217.21	420.73	24.0	64.0	0.0	0.0	12.0	13.0	64.76		

NOTE:
 REFER TO DWG. NO. MT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY		MISCELLANEOUS TABLES	DRAWING NO. MT-8 SHEET NO. 58
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
SIGNATURE	DATE	DOCUMENT NAME: 175339AH_MTB.DGN				

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

* YY = LOCATION

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER PIPES																						
EXISTING SEWER PIPE RUN NO.	PIPE NO.	STRUCTURE TO STRUCTURE (PIPE)	TYPE	DIAMETER	CL STA OF OUTLET	OFFSET	SIDE	LENGTH	TOP ELEV	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	552.16 (SQM)	603.9922--15 (M)	603.9923--15 (M)	603.9924--15 (M)	603.9925--15 (M)	603.9926--15 (M)	603.9927--15 (M)	623.11 (CM)	ACTION	
18	5SA	TO (18-1SA)	VCP	150	CO 1+407.7	14.2	LT	12.0	57.14	54.48	54.36	23.38	51.96	12.0	-	-	-	-	-	5.94	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
19	1SA	425 TO 429	ELL.P. BRICK ARCH	760 x 1140	-	-	-	66.1	-	-	-	-	-	-	-	-	-	-	-	-	CLEAN EXISTING BRICK ARCH	
	2ST	427 TO (19-1SA)	VCP	450	CO 1+429.6	2.9	LT	5.0	56.99	54.81	54.76	7.43	16.50	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	3ST	427 TO 428	VCP	300	CO 1+430.3	7.5	LT	3.0	57.20	54.89	54.86	4.78	10.62	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	4ST	428 TO (19-1SA)	VCP	200	CO 1+434.5	2.9	LT	4.0	57.10	54.90	54.86	5.99	13.32	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	5SA	TO (19-1SA)	VCP	150	CO 1+436.6	2.8	LT	14.0	57.15	55.10	54.96	19.72	42.32	14.0	-	-	-	-	-	-	6.93	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	6SA	TO (19-1SA)	VCP	200	CO 1+444.2	3.0	LT	8.0	57.31	55.14	55.06	11.92	26.48	-	8.0	-	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	7SA	TO (19-1SA)	VCP	200	CO 1+448.5	3.1	LT	14.0	57.39	55.20	55.06	21.48	47.74	-	14.0	-	-	-	-	-	7.56	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	8SA	TO (19-1SA)	VCP	150	CO 1+457.3	3.1	LT	14.0	57.56	55.40	55.26	21.11	46.90	14.0	-	-	-	-	-	-	6.93	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	9SA	TO (19-1SA)	VCP	200	CO 1+458.3	3.1	LT	8.0	57.57	55.34	55.26	12.35	27.44	-	8.0	-	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	10SA	TO (19-1SA)	VCP	150	CO 1+462.5	3.2	LT	8.0	57.65	55.44	55.36	12.20	27.12	8.0	-	-	-	-	-	-	3.96	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	11SA	TO (19-1SA)	VCP	200	CO 1+463.8	3.2	LT	14.0	57.67	55.50	55.36	21.23	47.18	-	14.0	-	-	-	-	-	7.56	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	12SA	TO (19-1SA)	VCP	150	CO 1+471.1	3.2	LT	8.0	57.79	55.54	55.46	12.49	27.76	8.0	-	-	-	-	-	-	3.96	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	13SA	TO (19-1SA)	VCP	150	CO 1+484.8	3.3	LT	8.0	58.01	55.74	55.66	12.64	28.08	8.0	-	-	-	-	-	-	3.96	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	14SA	TO (19-1SA)	VCP	200	CO 1+484.8	3.3	LT	8.0	58.01	55.74	55.66	12.64	28.08	-	8.0	-	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
20	1SA	429 TO 432	ELL.P. BRICK ARCH	760 x 1140	-	-	-	46.9	-	-	-	-	-	-	-	-	-	-	-	-	CLEAN EXISTING BRICK ARCH	
	2SA	TO (20-1SA)	VCP	150	CO 1+494.3	3.4	LT	8.0	58.16	55.94	55.86	12.28	27.28	8.0	-	-	-	-	-	-	3.96	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	3SA	TO (20-1SA)	VCP	150	CO 1+503.4	2.9	LT	14.0	58.32	56.10	55.96	21.86	48.58	14.0	-	-	-	-	-	-	6.93	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	4SA	TO (20-1SA)	VCP	150	CO 1+509.6	2.1	LT	8.0	58.43	56.14	56.06	12.78	28.40	8.0	-	-	-	-	-	-	3.96	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
SUBTOTAL 5												246.27	545.76	94.0	52.0	0.0	0.0	0.0	0.0	0.0	74.61	

NOTE:
 REFER TO DWG. NO. MT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER	MISCELLANEOUS TABLES				DRAWING NO. MT-9 SHEET NO. 59	
SIGNATURE _____		DATE _____	DOCUMENT NAME: 1753399AI_MTB.DGN			

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

* YY = LOCATION

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER PIPES																					
EXISTING SEWER PIPE	STRUCTURE TO STRUCTURE (PIPE)	TYPE	DIAMETER	CL STA OF OUTLET	OFFSET	SIDE	LENGTH	TOP ELEV	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	552.16 (SQM)	603.9922--15 (M)	603.9923--15 (M)	603.9924--15 (M)	603.9925--15 (M)	603.9926--15 (M)	603.9927--15 (M)	623.11 (CM)	ACTION	
20	5ST	430 TO (20-1SA)	VCP	375	CO 1+525.3	0.3	LT	8.0	58.75	56.44	56.36	12.92	28.72	-	-	-	-	-	-	-	REMOVE PIPE; CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS
	6ST	431 TO (20-7SA)	VCP	375	CO 1+534.3	8.8	LT	6.0	59.18	56.62	56.56	10.99	24.42	-	-	-	-	-	-	-	REMOVE PIPE; CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS
	7SA	TO (20-1SA)	ELLP BRICK ARCH	760 x 1140	-	-	LT	-	-	-	-	-	-	-	-	-	-	-	-	-	CLEAN EXISTING BRICK ARCH
	8ST	433 TO (20-1SA)	VCP	375	CO 1+538.5	1.2	LT	6.0	59.01	55.84	56.56	12.18	27.06	-	-	-	-	-	-	-	REMOVE PIPE; CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS
	9SA	TO (20-1SA)	VCP	200	CO 1+538.5	1.2	LT	15.0	59.01	56.71	56.56	24.57	54.60	-	15.0	-	-	-	-	8.10	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
21	1SA	432 TO 436	ELLP BRICK ARCH	760 x 1140	-	-	-	62.5	-	57.97	-	-	-	-	-	-	-	-	-	-	CLEAN EXISTING BRICK ARCH
	2ST	435 TO (21-1SA)	VCP	375	CO 1+547.7	1.3	LT	9.0	59.24	56.75	56.66	16.04	35.64	-	-	-	-	-	-	-	REMOVE PIPE; CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS
	3SA	TO (21-1SA)	VCP	200	CO 1+550.3	1.3	LT	8.0	59.31	56.84	56.76	14.08	31.28	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	4ST	434 TO (21-1SA)	VCP	200	CO 1+552.1	1.3	LT	8.0	59.36	56.94	56.86	13.72	30.48	-	-	-	-	-	-	-	REMOVE PIPE; CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS
	5SA	TO (21-1SA)	VCP	200	CO 1+555.2	1.3	LT	8.0	59.45	57.04	56.96	13.64	30.32	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	6SA	TO (21-1SA)	VCP	200	CO 1+555.8	1.3	LT	8.0	59.46	57.04	56.96	13.72	30.48	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	7SA	TO (21-1SA)	VCP	200	CO 1+561.0	1.3	LT	8.0	59.62	57.24	57.16	13.43	29.84	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	8SA	TO (21-1SA)	VCP	200	CO 1+568.0	1.3	LT	8.0	59.83	57.54	57.46	12.78	28.40	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	9SA	TO (21-1SA)	VCP	200	CO 1+573.8	1.4	LT	8.0	60.02	57.74	57.66	12.71	28.24	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	10SA	TO (21-1SA)	VCP	200	CO 1+574.7	1.4	LT	12.0	60.05	57.78	57.66	19.17	42.60	-	12.0	-	-	-	-	6.48	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	11SA	TO (21-1SA)	VCP	200	CO 1+582.0	1.4	LT	8.0	60.31	58.04	57.96	12.64	28.08	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	12SA	TO (21-1SA)	VCP	200	CO 1+584.1	1.4	LT	12.0	60.39	58.18	58.06	18.52	41.16	-	12.0	-	-	-	-	6.48	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	13SA	TO (21-1SA)	VCP	200	CO 1+589.6	1.4	LT	8.0	60.59	58.34	58.26	12.49	27.76	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	14SA	TO (21-1SA)	VCP	200	CO 1+589.9	1.4	LT	12.0	60.60	58.38	58.26	18.63	41.40	-	12.0	-	-	-	-	6.48	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
SUBTOTAL 6											252.22	560.48	0.0	115.0	0.0	0.0	0.0	0.0	0.0	62.10	

NOTE:
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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY		MISCELLANEOUS TABLES	DRAWING NO. MT-10 SHEET NO. 60
DATE _____	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AJ_MTB.DGN					

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

* YY = LOCATION

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER PIPES																						
EXISTING SEWER PIPE	STRUCTURE TO STRUCTURE (PIPE)	TYPE	DIAMETER	CL STA OF OUTLET	OFFSET	SIDE	LENGTH	TOP ELEV	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	552.16 (SQM)	603.9922--15 (M)	603.9923--15 (M)	603.9924--15 (M)	603.9925--15 (M)	603.9926--15 (M)	603.9927--15 (M)	623.11 (CM)	ACTION		
21	15SA	TO (21-1SA)	VCP	200	CO 1+594.2	1.5	LT	12.0	60.77	58.48	58.36	19.39	43.08	-	12.0	-	-	-	-	6.48	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	16SA	TO (21-1SA)	VCP	200	CO 1+600.6	1.5	LT	8.0	61.03	58.47	58.39	14.72	32.72	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	17SA	TO 436	VCP	200	CO 1+603.4	1.5	LT	12.0	61.15	62.48	58.04	13.80	20.09	-	12.0	-	-	-	-	-	REMOVE PIPE; CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
22	1SA	436 TO 440	ELL.P. BRICK ARCH	760 x 1140	-	-	-	82.9													CLEAN EXISTING BRICK ARCH	
	2SA	TO (22-1SA)	VCP	200	CO 1+606.2	1.5	LT	12.0	61.26	59.08	58.96	18.20	40.44	-	12.0	-	-	-	-	6.48	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	3SA	TO (22-1SA)	VCP	200	CO 1+608.0	1.5	LT	8.0	61.34	59.14	59.06	12.13	26.96	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	4SA	TO (22-1SA)	VCP	200	CO 1+611.7	1.5	LT	9.0	61.50	59.35	59.26	13.28	29.52	-	9.0	-	-	-	-	4.86	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	4ASA	TO (22-1SA)	VCP	375	CO 1+616.3	1.6	LT	9.0	61.71	59.55	59.46	13.37	29.70	-	-	-	-	9.0	-	6.28	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	5ST	439 TO (22-1SA)	VCP	250	CO 1+622.7	1.6	LT	7.0	62.01	59.93	59.86	9.83	21.84	-	-	-	-	-	-	-	REMOVE PIPE; CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	6ST	437 TO (22-1SA)	VCP	250	CO 1+622.7	1.6	LT	7.0	62.01	59.93	59.86	9.83	21.84	-	-	-	-	-	-	-	REMOVE PIPE; CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS	
	7SA	TO (22-1SA)	VCP	200	CO 1+626.6	1.6	LT	8.0	62.20	60.14	60.06	11.12	24.72	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	8SA	TO (22-1SA)	VCP	100	CO 1+628.7	1.6	LT	8.0	62.30	60.24	60.16	11.12	24.72	-	-	-	-	-	-	3.60	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	9SA	TO (22-1SA)	VCP	200	CO 1+634.8	1.6	LT	8.0	62.61	60.54	60.46	11.20	24.88	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	10SA	TO (22-1SA)	VCP	200	CO 1+642.4	1.7	LT	8.0	63.01	60.94	60.86	11.20	24.88	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	11SA	TO (22-1SA)	VCP	200	CO 1+650.4	1.7	LT	8.0	63.44	61.44	61.36	10.69	7.56	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	12SA	TO (22-1SA)	VCP	200	CO 1+657.7	1.7	LT	8.0	63.86	61.84	61.76	10.84	13.70	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	13SA	TO (22-1SA)	VCP	150	CO 1+663.5	1.8	LT	8.0	64.19	62.14	62.06	11.05	23.06	8.0	-	-	-	-	-	3.96	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	14SA	TO (22-1SA)	VCP	200	CO 1+665.6	1.8	LT	8.0	64.32	62.24	62.16	11.27	25.04	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
15SA	TO (22-1SA)	VCP	200	CO 1+675.1	1.8	LT	8.0	64.88	62.74	62.66	11.70	26.00	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE		
23	1SA	440 TO 445	ELL.P. BRICK ARCH	760 x 1140	-	-	-	57.0		65.73	62.52										CLEAN EXISTING BRICK ARCH	
SUBTOTAL 7											224.74	460.76	8.0	117.0	0.0	0.0	9.0	0.0	70.54			

NOTE:
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SIGNATURE _____	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY		MISCELLANEOUS TABLES	DRAWING NO. MT-11 SHEET NO. 61
DATE _____	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AK_MTB.DGN					

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

* YY = LOCATION

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER PIPES																								
EXISTING SEWER PIPE RUN NO.	PIPE NO.	STRUCTURE TO STRUCTURE (PIPE)	TYPE	DIAMETER	CL STA OF OUTLET	OFFSET	SIDE	LENGTH	TOP ELEV	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	552.16 (SQM)	603.9922--15 (M)	603.9923--15 (M)	603.9924--15 (M)	603.9925--15 (M)	603.9926--15 (M)	603.9927--15 (M)	623.11 (CM)	ACTION			
23	2SA	TO (23-1SA)	VCP	150	CO 1+732.3	3.1	LT	10.0	67.86	65.96	65.86	12.56	-	10.0	-	-	-	-	-	-	4.95	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE		
	3ST	441 TO (23-1SA)	VCP	450	CO 1+732.3	3.1	LT	10.0	67.86	65.96	65.86	12.56	-	-	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS		
	4ST	443 TO (23-1SA)	VCP	450	CO 1+733.6	3.1	LT	3.0	67.92	65.99	65.96	3.75	-	-	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS		
	5SA	TO (23-1SA)	VCP	150	CO 1+737.9	2.7	LT	14.0	68.13	66.30	66.16	16.95	-	14.0	-	-	-	-	-	-	-	6.93	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	6SA	TO (23-1SA)	VCP	200	CO 1+742.9	2.0	LT	13.0	68.36	66.59	66.46	14.98	-	-	13.0	-	-	-	-	-	-	-	7.02	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
24	1SA	445 TO 447	ELL. BRICK ARCH	760 x 1140	-	-	-	77.1		66.60	65.83											CLEAN EXISTING BRICK ARCH		
	2SA	TO (24-1SA)	VCP	200	CO 1+771.4	4.3	LT	10.0	69.33	67.36	67.26	13.19	4.52	-	10.0	-	-	-	-	-	-	5.40	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	3SA	TO (24-1SA)	VCP	150	CO 1+784.1	4.8	LT	16.0	69.70	67.72	67.56	21.67	26.22	16.0	-	-	-	-	-	-	-	7.92	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	4SA	TO (24-1SA)	VCP	200	CO 1+797.5	4.4	LT	10.0	70.13	67.96	67.86	14.99	33.30	-	10.0	-	-	-	-	-	-	-	5.40	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	5SA	TO (24-1SA)	VCP	200	CO 1+797.5	4.4	LT	10.0	70.13	67.96	67.86	14.99	33.30	-	10.0	-	-	-	-	-	-	-	5.40	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	6SA	TO (24-1SA)	VCP	200	CO 1+812.3	3.8	LT	8.0	70.64	68.34	68.26	12.85	28.56	-	8.0	-	-	-	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	7SA	TO (24-1SA)	VCP	200	CO 1+820.5	3.4	LT	7.0	70.90	68.53	68.46	11.66	25.90	-	7.0	-	-	-	-	-	-	-	3.78	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
25	8SA	TO (24-1SA)	VCP	200	CO 1+820.5	3.4	LT	7.0	70.90	68.53	68.46	11.66	25.90	-	7.0	-	-	-	-	-	-	3.78	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	1SA	447 TO 450	ELL. BRICK ARCH	760 x 1140	-	-	-	100.6		68.16	67.75											CLEAN EXISTING BRICK ARCH		
	2SA	TO (25-1SA)	VCP	200	CO 1+832.1	2.8	LT	13.0	71.25	68.69	68.56	24.22	53.82	-	13.0	-	-	-	-	-	-	7.02	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE	
	3SA	TO (25-1SA)	VCP	200	CO 1+835.4	2.7	LT	7.0	71.36	68.63	68.56	13.92	30.94	-	7.0	-	-	-	-	-	-	-	3.78	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	4SA	TO (25-1SA)	VCP	200	CO 1+844.9	2.2	LT	7.0	71.65	68.63	68.56	15.75	35.00	-	7.0	-	-	-	-	-	-	-	3.78	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	5SA	TO (25-1SA)	VCP	200	CO 1+851.3	1.9	LT	7.0	71.85	68.73	68.66	16.38	36.40	-	7.0	-	-	-	-	-	-	-	3.78	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
SUBTOTAL 8												263.64	404.07	40.0	112.0	0.0	0.0	0.0	0.0	80.28				

NOTE:
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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY	MISCELLANEOUS TABLES		DRAWING NO. MT-12 SHEET NO. 62	
DOCUMENT NAME: 175339A_MTB.DGN						

FILE NAME = J:\98048\Cadd\175339AM_MTB.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
623.11	CRUSHED GRAVEL (IN-PLACE MEASURE)	CM

*YY = LOCATION

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER PIPES																					
EXISTING SEWER PIPE	STRUCTURE TO STRUCTURE (PIPE)	TYPE	DIAMETER	CL STA OF OUTLET	OFFSET	SIDE	LENGTH	TOP ELEV	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	552.16 (SQM)	603.9922--15 (M)	603.9923--15 (M)	603.9924--15 (M)	603.9925--15 (M)	603.9926--15 (M)	603.9927--15 (M)	623.11 (CM)	ACTION	
25	7SA	TO (25-1SA)	VCP	200	CO 1+860.4	1.5	LT	7.0	72.13	68.73	68.66	18.14	40.32	-	7.0	-	-	-	-	3.78	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	8SA	TO (25-1SA)	VCP	200	CO 1+872.3	0.9	LT	9.0	72.48	68.85	68.76	25.27	56.16	-	9.0	-	-	-	-	4.86	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	9SA	TO (25-1SA)	VCP	200	CO 1+875.9	0.7	LT	9.0	72.58	68.85	68.76	26.08	57.96	-	9.0	-	-	-	-	4.86	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	10SA	TO (25-1SA)	VCP	200	CO 1+885.1	0.3	LT	9.0	72.88	68.85	68.76	28.51	63.36	-	9.0	-	-	-	-	4.86	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	11SA	TO (25-1SA)	VCP	200	CO 1+890.5	0.1	LT	13.0	72.90	68.89	68.76	41.18	91.52	-	13.0	-	-	-	-	7.02	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	12SA	TO (25-1SA)	VCP	200	CO 1+891.4	0.1	LT	13.0	72.91	68.89	68.76	41.30	91.78	-	13.0	-	-	-	-	7.02	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	13SA	TO (25-1SA)	VCP	200	CO 1+896.3	0.1	LT	9.0	73.00	68.85	68.76	29.48	65.52	-	9.0	-	-	-	-	4.86	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	14SA	TO (25-1SA)	VCP	200	CO 1+900.0	0.2	LT	13.0	73.05	68.99	68.86	41.77	92.82	-	13.0	-	-	-	-	7.02	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	15SA	TO (25-1SA)	VCP	200	CO 1+903.6	0.4	LT	9.0	73.09	68.95	68.86	29.40	65.34	-	9.0	-	-	-	-	4.86	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	16SA	TO (25-1SA)	VCP	200	CO 1+907.0	0.6	LT	10.0	73.13	68.96	68.86	32.99	73.30	-	10.0	-	-	-	-	5.40	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	17SA	TO (25-1SA)	VCP	200	CO 1+912.7	1.1	LT	10.0	73.17	68.96	68.86	33.35	74.10	-	10.0	-	-	-	-	5.40	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	18ST	449 TO (25-1SA)	VCP	450	CO 1+918.6	1.9	LT	5.0	73.20	68.91	68.86	16.92	37.60	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS
26	1SA	TO 450	VCP	375	-	-	-	-	72.13	69.26											CLEAN EXISTING PIPE
	2SA	451 TO 450	VCP	200	CO 1+924.3	2.7	LT	7.0	73.22	70.42	68.73	19.47	43.26	-	7.0	-	-	-	-	3.78	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	3SA	448 TO 451	VCP	200	CO 1+925.9	4.3	RT	31.0	73.18	71.49	71.03	38.08	19.81	-	31.0	-	-	-	-	16.74	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	4SA	TO 448	VCP	200	CO 1+894.5	7.2	RT	12.0	72.79	71.62	71.50	7.29	-	-	12.0	-	-	-	-	6.48	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	5SA	TO (26-2SA)	VCP	200	CO 1+902.4	7.0	RT	7.0	72.95	68.93	68.86	22.05	49.00	-	7.0	-	-	-	-	3.78	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	6SA	TO (26-2SA)	VCP	200	CO 1+910.0	6.4	RT	7.0	73.04	68.93	68.86	22.62	50.26	-	7.0	-	-	-	-	3.78	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
27	1SA	450 TO 453	ELL. BRICK ARCH	760 x 1140	-	-	-	91.7		68.16											CLEAN EXISTING BRICK ARCH
SUBTOTAL 9											473.91	972.11	0.0	175.0	0.0	0.0	0.0	0.0	0.0	94.50	

NOTE:
REFER TO DWG. NO. MT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK: SIGNATURE _____ DATE _____	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				MISCELLANEOUS TABLES	DRAWING NO. MT-13 SHEET NO. 63
COUNTY: RENSSELAER						
DOCUMENT NAME: 175339AM_MTB.DGN						

ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
203.07	SELECT GRANULAR FILL	CM
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9922--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 150 mm DIA.	M
603.9923--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 200 mm DIA.	M
603.9924--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 250 mm DIA.	M
603.9925--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 300 mm DIA.	M
603.9926--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 375 mm DIA.	M
603.9927--15	POLYVINYL CHLORIDE PIPE, SANITARY SEWER, GRAVITY, 450 mm DIA.	M
604.0701YY*	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS AND MANHOLES	EA
655.1202	MANHOLE FRAME AND COVER	EA
664.4048--06	PRECAST SANITARY SEWER MANHOLE (1220 mm DIA.)	M

*YY = LOCATION

TABLE OF EXISTING COMBINED SANITARY AND STORM SEWER PIPES																					
EXISTING SEWER PIPE	STRUCTURE TO STRUCTURE (PIPE)	TYPE	DIAMETER	CL STA OF OUTLET	OFFSET	SIDE	LENGTH	TOP ELEV	APPROX INLET INVERT	APPROX OUTLET INVERT	206.02 (CM)	552.16 (SQM)	603.9922--15 (M)	603.9923--15 (M)	603.9924--15 (M)	603.9925--15 (M)	603.9926--15 (M)	603.9927--15 (M)	623.11 (CM)	ACTION	
27	2ST	452 TO (27-1SA)	VCP	450	CO 1+931.7	2.7	LT	6.0	73.23	69.02	68.96	19.90	44.22	-	-	-	-	-	-	-	REMOVE PIPE, CAP BRICK ARCH WITH MORTAR AND PRECAST CONCRETE PAVERS
	3SA	TO (27-1SA)	VCP	150	CO 1+934.3	2.7	LT	14.0	73.23	69.10	68.96	45.93	102.06	14.0	-	-	-	-	-	6.93	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	4SA	TO (27-1SA)	VCP	150	CO 1+945.3	2.6	LT	8.0	73.20	69.04	68.96	26.24	58.32	8.0	-	-	-	-	-	3.96	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	5SA	TO (27-1SA)	VCP	150	CO 1+963.9	2.6	LT	7.0	73.03	69.13	69.06	21.29	47.32	7.0	-	-	-	-	-	3.47	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	6SA	TO (27-1SA)	VCP	150	CO 1+977.3	2.3	LT	7.0	72.90	69.13	69.06	20.48	45.50	7.0	-	-	-	-	-	3.47	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	7SA	TO (27-1SA)	VCP	150	CO 1+984.7	2.3	LT	5.0	72.80	69.21	69.16	13.77	30.60	5.0	-	-	-	-	-	2.48	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	8SA	TO (27-1SA)	VCP	150	CO 1+988.6	2.2	LT	7.0	72.70	69.23	69.16	18.59	41.30	7.0	-	-	-	-	-	3.47	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	9SA	TO (27-1SA)	VCP	150	BR 10+001.0	2.2	LT	7.0	72.40	69.43	69.36	15.44	34.30	7.0	-	-	-	-	-	3.47	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	10SA	TO (27-1SA)	VCP	200	BR 10+009.5	2.1	LT	8.0	72.40	69.54	69.46	16.88	37.52	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	11SA	TO (27-1SA)	VCP	200	BR 10+009.5	2.1	LT	8.0	72.40	69.54	69.46	16.88	37.52	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	12SA	TO (27-1SA)	VCP	200	BR 10+009.5	2.1	LT	10.0	72.40	69.56	69.46	21.02	46.70	-	10.0	-	-	-	-	5.40	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	13SA	TO (27-1SA)	VCP	200	BR 10+016.2	2.0	LT	8.0	72.40	69.54	69.46	16.88	37.52	-	8.0	-	-	-	-	4.32	REPLACE PORTION OF EX. SEWER PIPE WITH NEW PIPE
	454-ST	454 TO 455	VCP	300	PA 9+474.4	8.9	LT	2.0	72.30	70.78	70.76	1.76	-	-	-	-	-	-	-	-	REMOVE PIPE
	455-ST	FROM 455	VCP	300	PA 9+472.4	11.3	LT	3.0	72.30	70.79	70.76	2.62	-	-	-	-	-	-	-	-	REMOVE PIPE
	456-ST	FROM 456	VCP	300	PA 9+456.2	11.4	RT	6.0	71.90	70.82	70.76	3.00	-	-	-	-	-	-	-	-	REMOVE PIPE
SUBTOTAL 10											260.67	562.88	55.0	34.0	0.0	0.0	0.0	0.0	45.59		
TOTAL - EXISTING PIPES											2454.40	4989.95	315.0	774.0	13.0	26.0	40.0	20.0	638.19		

SANITARY STRUCTURE TABLE - INLETS												
STRUCT ID	LOCATION	TOP ELEV	INLET INVERT ELEV	OUTLET INVERT ELEV	STRUCT TYPE	FRAME TYPE	206.02	552.16	655.1202	664.4048--06	PROPOSED WORK	
							CM	SQM	EA	M		
SS 1	EL 2+012	0.9 LT	46.060	44.810	42.640	MH	MH	24.47	44.22	1	3.92	INSTALL STR. & CONN. EXISTING SAN PIPE 11-8SA & NEW SAN PIPE SP1
TOTAL - INLETS							24.47	44.22	1	3.92		

SANITARY STRUCTURE TABLE - PIPING													
PIPE LINE ID	LOCATION					INLET INVERT ELEV	OUTLET INVERT ELEV	203.07	206.02	552.16	603.9926--15	PROPOSED WORK	
	FROM	TOP EL.	TO	TOP EL.	CM								CM
SP 1	EL 2+012	0.9 LT	46.060	CO 1+079	3.3 LT	45.280	42.640	42.490	5.58	23.70	42.14	8.60	INSTALL PIPE TO CONN. SS 1 TO EX. MH 404
TOTAL - PIPING							5.58	23.70	42.14	8.60			

NOTE:
REFER TO DWG. NO. MT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE	DATE	PS&E DATE: 1/10/11	THE CITY OF TROY		MISCELLANEOUS TABLES	DRAWING NO. MT-14 SHEET NO. 64
		DOCUMENT NAME: 175339AN.MTB.DGN				

WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES (0.51 mm) - ITEM 685.11					
STATION TO STATION	SIDE	DESCRIPTION	LENGTH (M)	PAYMENT FACTOR	PAYMENT LENGTH (M)
CD 1+064.0 TO CD 1+074.5	LT	100 mm EDGE LINE	10.5	1	10.5
CD 1+064.0 TO CD 1+074.5	RT	100 mm EDGE LINE	10.5	1	10.5
CD 1+077.1 TO CD 1+345.0	RT	100 mm EDGE LINE	268.5	1	268.5
CD 1+087.0 TO CD 1+397.0	LT	100 mm EDGE LINE	310.0	1	310.0
CD 1+365.0 TO CD 1+414.9	RT	100 mm EDGE LINE	50.5	1	50.5
CD 1+417.5 TO CD 1+530.0	LT	100 mm EDGE LINE	112.5	1	112.5
CD 1+417.5 TO CD 1+515.0	RT	100 mm EDGE LINE	97.5	1	97.5
CD 1+540.0 TO CD 1+609.0	LT	100 mm EDGE LINE	69.0	1	69.0
CD 1+553.5 TO CD 1+609.0	RT	100 mm EDGE LINE	55.5	1	55.5
CD 1+636.0 TO CD 1+916.0	LT	100 mm EDGE LINE	280.0	1	280.0
CD 1+639.0 TO CD 1+916.0	RT	100 mm EDGE LINE	277.0	1	277.0
CD 1+918.6 TO CD 1+930.0	RT	100 mm EDGE LINE	12.0	1	12.0
CD 1+932.6 TO PA 9+455.0	RT	100 mm EDGE LINE	90.0	1	90.0
CD 1+865.0 TO CD 1+908.0	RT	100 mm LANE LINE	43.0	1	43.0
CD 1+933.5 TO CD 1+985.0	LT	100 mm LANE LINE	51.5	1	51.5
CD 1+933.5 TO CD 1+968.8	RT	100 mm LANE LINE	35.3	1	35.3
PA 9+455.0 TO PA 9+475.0	RT	100 mm LANE LINE	20.0	1	20.0
CD 1+985.0 TO BR 10+010.2	LT	100 mm DOTTED LANE LINE	24.0	1	24.0
CD 1+997.0 RT TO BR 10+029.0 LT	-	100 mm DOTTED LANE LINE	35.0	1	35.0
BR 10+033.5 TO BR 10+116.0	LT	100 mm LANE LINE	82.5	1	82.5
CD 1+968.8 TO CD 1+994.6	RT	300 mm CHANNELIZING LINE	25.8	3	77.4
CD 1+968.8 RT TO PA 9+478.8 LT	-	300 mm CHANNELIZING LINE	35.5	3	106.5
PA 9+478.8 LT TO CD 1+994.6 RT	-	300 mm CHANNELIZING LINE	18.0	3	54.0
				TOTAL	2172.7

NOTE: STATION TO STATION DISTANCE MAY NOT EQUAL TRUE DISTANCE DUE TO RADIUS.

YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES (0.51 mm) - ITEM 685.12					
STATION TO STATION	DESCRIPTION	LENGTH (M)	PAYMENT FACTOR	PAYMENT LENGTH (M)	
CD 1+064.0 TO CD 1+074.5	100 mm FULL BARRIER LINE	10.5	2	21	
CD 1+087.0 TO CD 1+345.0	100 mm FULL BARRIER LINE	258.0	2	516.0	
CD 1+365.0 TO CD 1+397.0	100 mm FULL BARRIER LINE	32.0	2	64.0	
CD 1+417.5 TO CD 1+515.0	100 mm FULL BARRIER LINE	97.5	2	195.0	
CD 1+553.5 TO CD 1+608.0	100 mm FULL BARRIER LINE	54.5	2	109.0	
FI 7+008.5 TO FI 7+041.5	100 mm FULL BARRIER LINE	33.0	2	66.0	
CD 1+639.0 TO CD 1+665.0	100 mm FULL BARR. (W/HATCH)	26.0	4	104.0	
CD 1+665.0 TO CD 1+908.0	100 mm FULL BARRIER LINE	243.0	2	486.0	
BA 8+012.0 TO BA 8+025.0	100 mm FULL BARRIER LINE	13.0	2	26.0	
CD 1+933.5 TO CD 1+975.0	100 mm FULL BARRIER LINE	41.5	2	83.0	
PA 9+455.0 TO PA 9+475.0	100 mm FULL BARRIER LINE	20.0	2	40.0	
BR 10+033.5 TO BR 10+116.0	100 mm FULL BARRIER LINE	82.5	2	165.0	
BR 10+116.0 TO BR 10+186.0	100 mm FULL BARR. (W/HATCH)	70.0	4	280.0	
				TOTAL	2155.0

WHITE PREFORMED REFLECTORIZED PAVEMENT STRIPES - ITEM 688.01					
STATION	DESCRIPTION	LENGTH (M)	PAYMENT FACTOR	PAYMENT LENGTH (M)	
CO 1+074.6	300 mm CROSSWALK LINE	8.9	3	26.7	
CO 1+077.0	300 mm CROSSWALK LINE	9.1	3	27.3	
EL 2+005.0	300 mm CROSSWALK LINE	7.8	3	23.4	
EL 2+007.3	300 mm CROSSWALK LINE	5.8	3	17.4	
EL 2+008.9	450 mm STOP LINE	5.3	4.5	23.9	
CH 11+055.0, 9.5 LT	450 mm STOP LINE	4.9	4.5	22.1	
CH 11+049.9	300 mm CROSSWALK LINE	7.2	3	21.6	
CH 11+052.2	300 mm CROSSWALK LINE	9.5	3	28.5	
CH 11+066.0	450 mm STOP LINE	4.2	4.5	18.9	
CO 1+354.7, 6.8 RT	300 mm CROSSWALK LINE	14.2	3	42.6	
CO 1+354.9, 9.1 RT	300 mm CROSSWALK LINE	13.0	3	39.0	
CO 1+357.4, 10.7 RT	450 mm STOP LINE	6.5	4.5	29.3	
TH 3+007.4	300 mm CROSSWALK LINE	8.6	3	25.8	
TH 3+009.6	300 mm CROSSWALK LINE	6.5	3	19.5	
TH 3+011.2	450 mm STOP LINE	5.7	4.5	25.7	
CO 1+415.0	300 mm CROSSWALK LINE	8.4	3	25.2	
CO 1+417.5	300 mm CROSSWALK LINE	8.4	3	25.2	
MS 4+466.9	300 mm CROSSWALK LINE	11.9	3	35.7	
MS 4+464.5	300 mm CROSSWALK LINE	9.4	3	28.2	
MS 4+462.9	450 mm STOP LINE	4.4	4.5	19.8	
FO 6+005.0	300 mm CROSSWALK LINE	7.7	3	23.1	
FO 6+007.3	300 mm CROSSWALK LINE	5.1	3	15.3	
CY 5+488.6	300 mm CROSSWALK LINE	9.4	3	28.2	
CY 5+486.4	300 mm CROSSWALK LINE	8.1	3	24.3	
CY 5+482.9	450 mm STOP LINE	3.6	4.5	16.2	
CO 1+607.5	450 mm STOP LINE	6.5	4.5	29.3	
CO 1+609.0	300 mm CROSSWALK LINE	12.3	3	36.9	
CO 1+611.4	300 mm CROSSWALK LINE	11.2	3	33.6	
FI 7+004.8	300 mm CROSSWALK LINE	17.4	3	52.2	
FI 7+007.0	300 mm CROSSWALK LINE	15.0	3	45.0	
FI 7+008.5	450 mm STOP LINE	4.9	4.5	22.1	
CO 1+635.1	300 mm CROSSWALK LINE	11.0	3	33.0	
CO 1+637.3	300 mm CROSSWALK LINE	11.3	3	33.9	
CO 1+632.0, 7.3 RT	300 mm CROSSWALK LINE	9.5	3	28.5	
CO 1+632.3, 9.5 RT	300 mm CROSSWALK LINE	9.1	3	27.3	
CO 1+634.3, 11.1 RT	450 mm STOP LINE	3.5	4.5	15.8	
CO 1+908.0	450 mm STOP LINE	7.1	4.5	32.0	
CO 1+916.1	300 mm CROSSWALK LINE	12.0	3	36.0	
CO 1+918.4	300 mm CROSSWALK LINE	12.3	3	36.9	
BA 8+008.2	300 mm CROSSWALK LINE	8.2	3	24.6	
BA 8+010.5	300 mm CROSSWALK LINE	8.6	3	25.8	
BA 8+012.0	450 mm STOP LINE	4.1	4.5	18.5	
CO 1+929.8	300 mm CROSSWALK LINE	16.0	3	48.0	
CO 1+932.1	300 mm CROSSWALK LINE	15.7	3	47.1	
CO 1+933.5	450 mm STOP LINE	7.1	4.5	32.0	
CO 1+975.0	450 mm STOP LINE	3.5	4.5	15.8	
PA 9+475.0	450 mm STOP LINE	8.1	4.5	36.5	
PA 9+485.7, 12.5 LT	300 mm CROSSWALK LINE	6.2	3	18.6	
PA 9+487.5, 14.1 LT	300 mm CROSSWALK LINE	6.2	3	18.6	
PA 9+488.3	300 mm CROSSWALK LINE	19.1	3	57.3	
PA 9+490.4	300 mm CROSSWALK LINE	21.9	3	65.7	
BR 10+029.1	300 mm CROSSWALK LINE	11.8	3	35.4	
BR 10+031.5	300 mm CROSSWALK LINE	12.0	3	36.0	
BR 10+033.0	450 mm STOP LINE	7.7	4.5	34.7	
				TOTAL	1610.0

YELLOW PREFORMED REFLECTORIZED PAVEMENT STRIPES - ITEM 688.02				
STATION	DESCRIPTION	LENGTH (M)	PAYMENT FACTOR	PAYMENT LENGTH (M)
CO 1+640± TO CD 1+660±	600 mm HATCH LINE	11.0	6	66.0
BR 10+122± TO BR 10+177±	600 mm HATCH LINE	41.0	6	246.0

WHITE PREFORMED REFLECTORIZED PAVEMENT MARKINGS			
STATION	DESCRIPTION	LETTERS ITEM 688.03 (EA)	SYMBOLS ITEM 688.04 (EA)
CO 1+569.0	"ONLY"	4	-
CO 1+573.0	ARROW	-	1
CO 1+595.5	"ONLY"	4	-
CO 1+599.5	ARROW	-	1
CO 1+937.0	"ONLY"	4	-
CO 1+941.0	ARROW	-	1
CO 1+941.7	ARROW	-	1
CO 1+945.7	"ONLY"	4	-
CO 1+963.5	"ONLY"	4	-
CO 1+967.5	ARROW	-	1
CO 1+968.0	ARROW	-	1
CO 1+972.0	"ONLY"	4	-
PA 9+418.0	(2) "ONLY"	8	-
PA 9+437.5	(2) "ONLY"	8	-
PA 9+462.8	(2) "ONLY"	8	-
PA 9+466.8	(2) ARROW	-	2
PA 9+478.8	YIELD MARKINGS	-	5
BR 10+041.0	ARROW	-	1
BR 10+045.0	"ONLY"	4	-
BR 10+067.5	ARROW	-	1
BR 10+071.5	"ONLY"	4	-
BR 10+099.8	ARROW	-	1
BR 10+103.8	"ONLY"	4	-
		TOTAL	16

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026		PS&E DATE: 1/10/11			
SIGNATURE _____	CITY OF TROY	DOCUMENT NAME: 175339A0_MTB.DGN			MISCELLANEOUS TABLES	
DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER				DRAWING NO. MT-15 SHEET NO. 65	

CURB LOCATIONS	
STATION TO STATION	ITEM 609.0201 LENGTH (M)
CO 1+064 LT TO CO 1+073 LT	9
CO 1+064 RT TO CO 1+344 RT	280
EL 2+004 LT TO EL 2+015 LT	13
EL 2+004 RT TO EL 2+015 RT	13
CO 1+087 LT TO CO 1+396 LT	315
CO 1+091 LT TO CO 1+095 LT	9
CO 1+125 LT TO CO 1+130 LT	7
CO 1+191 LT TO CO 1+195 LT	6
CO 1+204 LT TO CO 1+226 LT (ISLAND)	28
CO 1+235 LT TO CO 1+239 LT	6
CH 11+044, 4 LT TO CH 11+053, 33 LT	43
CH 11+048 RT TO TH 3+077 LT	24
CO 1+344 RT TO CO 1+346, 1B RT	17
CO 1+357, 22 RT TO CO 1+366 RT	21
CO 1+366 RT TO CO 1+513 RT	152
TH 3+008 LT TO TH 3+030 LT	37
TH 3+003 RT TO TH 3+033 RT	34
CO 1+414 LT TO CO 1+530 LT	115
MS 4+455 LT TO MS 4+466 LT	15
MS 4+455 RT TO MS 4+470 RT	17
CO 1+530 RT TO CO 1+537 RT	8
FO 6+004 LT TO FO 6+016 LT	13
FO 6+004 RT TO FO 6+012 RT	12
CY 5+466 LT TO CY 5+497 LT	31
CY 5+466 RT TO CY 5+487 RT	24
CO 1+541 LT TO CO 1+605 LT	65
CO 1+554 RT TO PA 9+455 LT	474
CO 1+626 RT TO CO 1+628 RT	4
CO 1+637 RT TO CO 1+639 RT	4
FI 7+004 LT TO FI 7+044 LT	47
FI 7+004 RT TO FI 7+041 RT	43
CO 1+633 LT TO CO 1+917 LT	280
CO 1+711, 6 RT TO CO 1+715, 11 RT	8
CO 1+726, 6 RT TO CO 1+726, 11 RT	8
CO 1+749, 9 RT TO CO 1+756, 6 RT	12
CO 1+766, 6 RT TO CO 1+770, 11 RT	10
BA 8+004 LT TO BA 8+025 LT	24
BA 8+007 RT TO BA 8+025 RT	20
CO 1+977 RT TO PA 9+482 LT (ISLAND)	57
CO 1+934 LT TO BR 10+103 LT	167
PA 9+455 RT TO BR 10+113 RT	133
BR 10+043, 4.8 RT TO BR 10+043, 10 RT	10
BR 10+056, 8 RT TO BR 10+057, 4.8 RT	5
BR 10+062, 9 RT TO BR 10+063, 4.8 RT	7
BR 10+074, 9 RT TO BR 10+077, 4.8 RT	6
BR 10+079, 4.8 RT TO BR 10+082, 9 RT	6
TOTAL	2639

NOTE: STATION TO STATION DISTANCE MAY NOT EQUAL TRUE DISTANCE DUE TO RADIUS.

UNDERDRAIN LOCATIONS	
STATION TO STATION	ITEM 605.1701 LENGTH (M)
CO 1+064 LT TO CO 1+073 LT	9
CO 1+064 RT TO CO 1+344 RT	280
CO 1+087 LT TO CO 1+396 LT	315
CO 1+366 RT TO CO 1+513 RT	152
CO 1+414 LT TO CO 1+530 LT	115
CO 1+530 RT TO CO 1+537 RT	8
CO 1+541 LT TO CO 1+605 LT	65
CO 1+554 RT TO PA 9+455 LT	474
CO 1+633 LT TO CO 1+917 LT	280
CO 1+934 LT TO BR 10+103 LT	167
PA 9+455 RT TO BR 10+113 RT	133
TOTAL	2025

NOTE: STATION TO STATION DISTANCE MAY NOT EQUAL TRUE DISTANCE DUE TO RADIUS.

SIDEWALK LOCATIONS		
STATION TO STATION	SIDE	ITEM 608.0101 LENGTH (M)
CO 1+064 TO CO 1+074	LT	10
CO 1+064 TO CO 1+348	RT	284
EL 2+005 TO EL 2+015	LT	10
CO 1+083 TO CO 1+403	LT	320
CH 11+012 TO CH 11+058	RT	46
CO 1+361 TO CO 1+517	RT	156
CO 1+410 TO CO 1+531	LT	121
TH 3+012 TO TH 3+031	LT	19
TH 3+002 TO TH 3+033	RT	31
MS 4+455 TO MS 4+470	RT	15
FO 6+009 TO FO 6+016	LT	7
CO 1+529 TO CO 1+539	RT	10
CO 1+537 TO CO 1+542	LT	5
CY 5+466 TO CY 5+494	LT	28
CO 1+551 RT TO PA 9+455 LT	-	472
CO 1+605 TO CO 1+613	LT	8
FI 7+008 TO FI 7+042	LT	34
FI 7+012 TO FI 7+041	RT	29
CO 1+624 TO CO 1+921	LT	297
BA 8+010 TO BA 8+025	LT	15
BA 8+010 TO BA 8+025	RT	15
CO 1+930 TO CO 1+999	LT	69
BR 10+000 TO BR 10+102	LT	102
PA 9+455 RT TO BR 10+113 RT	-	128

MISC. CONC. WALKWAYS - ITEM 608.0101			
STATION	SIDE	LENGTH (M)	WIDTH (M)
CO 1+129	LT	3.2	1.525
CO 1+137	LT	5.7	3.6
CO 1+145	LT	5.8	1.525
CO 1+153	LT	7.8	1.525
CO 1+168	LT	5.6	1.525
CO 1+173	LT	3.7	1.525
CHRISTIE PARK. AREA (13TH ST)	-	28.4	3.1
CO 1+362	RT	16.2	1.525
CO 1+532	RT	6.6	1.525
CO 1+538	RT	9.4	1.525
CY 5+483	LT	4.8	1.525
CO 1+992	RT	6.1	1.9

RIGHT OF WAY MARKERS					
NORTHING	EASTING	STATION	SIDE	OFFSET (M)	ITEM 625.05
432270.250	217116.167	2+776.7	LT	0.8	1
432132.394	217291.062	3+010.3	LT	13.2	1
432131.490	217300.739	3+019.2	LT	17.1	1
432131.634	217343.781	3+080.0	LT	11.1	1
432133.610	217351.909	3+088.3	LT	9.9	1
432133.610	217351.909	3+088.3	LT	9.9	1
432135.457	217359.503	3+096.0	LT	8.7	1
432114.289	217356.786	3+085.6	RT	9.9	1
432115.802	217365.779	3+094.5	RT	11.8	1
432120.175	217391.784	3+120.243	RT	17.511	1
432124.036	217407.662	3+136.4	RT	19.9	1
432135.457	217359.503	3+096.0	LT	8.7	1
432139.048	217374.275	3+111.1	LT	6.5	1
432144.066	217394.911	3+132.1	LT	3.5	1
432144.066	217394.911	3+132.1	LT	3.5	1
432144.446	217396.475	3+133.7	LT	3.2	1
432144.446	217396.475	3+133.7	LT	3.2	1
432148.194	217411.893	3+149.367	LT	0.961	1
432153.907	217437.230	3+175.003	RT	3.211	1
432161.140	217440.104	10+002.7	LT	0.1	1
432132.255	217462.497	3+213.8	RT	2.2	1
432128.099	217489.513	3+235.6	LT	14.3	1
432114.504	217506.997	3+257.5	LT	17.3	1
432155.806	217501.339	5+061.4	RT	2.1	1
432156.794	217510.927	5+070.9	RT	1.0	1
432156.794	217510.927	5+070.9	RT	1.0	1
432157.376	217526.442	5+086.4	RT	0.2	1
432130.075	217537.663	5+097.9	RT	27.4	1
432135.367	217543.280	5+103.501	RT	22.080	1
432138.289	217549.440	5+109.6	RT	19.1	1
TOTAL					30 EA

NOTE: LOCATION OF MARKERS SHALL BE CONFIRMED BY THE CONTRACTOR AS PER APPROPRIATION MAPS. COST SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 625.05.

PERMANENT SURVEY MARKERS - ITEM 625.06				
MARKER NO.	CENTERLINE STATION	OFFSET	COORDINATES	
			NORTHING	EASTING

NOTE: TWO PERMANENT SURVEY MARKERS SHALL BE PLACED AT LOCATIONS ORDERED BY THE ENGINEER AND THE REGIONAL LAND SURVEYOR. THIS TABLE IS TO BE COMPLETED WITH ACTUAL FIELD MEASUREMENTS.

DETECTABLE WARNING UNITS		
STATION	SIDE	ITEM 608.21 CAST IRON* (SQM)
CO 1+076	LT	1.0
CO 1+076	RT	1.0
CO 1+084	LT	1.0
CO 1+096	LT	1.0
CO 1+126	LT	1.0
CO 1+194	LT	1.0
CO 1+204	LT	1.0
CO 1+225	LT	1.0
CO 1+236	LT	1.0
CH 11+051	LT	1.0
CH 11+051	RT	1.0
CH 11+057	RT	1.0
CO 1+348	RT	1.0
CO 1+362	RT	1.0
TH 3+010	LT	1.0
TH 3+008	RT	1.0
CO 1+416	LT	1.0
CO 1+416	RT	1.0
MS 4+464	LT	1.0
MS 4+467	RT	1.0
FO 6+006	LT	1.0
FO 6+006	RT	1.0
CY 5+490	LT	1.0
CY 5+486	RT	1.0
CO 1+610	LT	1.0
CO 1+610	RT	1.0
FI 7+042	LT	1.0
CO 1+627	LT	1.0
CO 1+628	RT	1.0
CO 1+638	RT	1.0
CO 1+635	LT	1.0
CO 1+714	RT	1.0
CO 1+723	RT	1.0
CO 1+757	RT	1.0
CO 1+765	RT	1.0
CO 1+917	LT	1.0
CO 1+917	RT	1.0
BA 8+009	LT	1.0
BA 8+009	RT	1.0
CO 1+931	RT	1.0
PA 9+484	LT	1.0
PA 9+489	LT	1.0
PA 9+491	LT	1.0
PA 9+488	RT	1.0
BR 10+030	LT	1.0
BR 10+030	RT	1.0
BR 10+046	RT	1.0
BR 10+056	RT	1.0
BR 10+064	RT	1.0
BR 10+074	RT	1.0
BR 10+081	RT	1.0
TOTAL		51.0

* DETECTABLE WARNING UNITS SHALL BE EMBEDDED CAST IRON PLATES ONLY. CONTRACTOR SHALL RECEIVE CITY APPROVAL OF MATERIAL BEFORE INSTALLATION.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	CITY OF TROY		MISCELLANEOUS TABLES		DRAWING NO. MT-16 SHEET NO. 66	
DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AP_MTB.DGN					



SEGMENTAL BLOCK RETAINING WALL SYSTEM* ITEM 632.15----17				
STATION TO STATION	SIDE	ABOVE GROUND HEIGHT (m) (TYP.)	LENGTH (m)	COMMENTS
CO 1+358.1 TO CO 1+396.7	LT	0.60	38.6	SEE DWG. RW-10.
CO 1+656.7 TO CO 1+748.0	LT	1.95	85.5	LOWER WALL (REINF. BACKFILL). SEE DWGS. RW-11 & RW-12.
CO 1+735.0 TO CO 1+748.0	LT	1.30	9.5	UPPER WALL (REINF. BACKFILL). SEE DWG. RW-13.
CO 1+772.5 TO CO 1+836.8	LT	1.12	64.5	(INCLUDING RETURNS). SEE DWG. RW-10.
CO 1+851.0 TO CO 1+877.3	LT	0.60	26.5	(INCLUDING RETURNS). SEE DWG. RW-10.

* VERSA-LOK MOSAIC IV IN A WEATHERED FINISH OR APPROVED EQUAL. COLOR SHALL BE PEBBLE OR AS DIRECTED BY CITY ENGINEER.

ASHLAR STONE VENEER* ITEM 560.0401--08				
STATION TO STATION OR LOCATION	SIDE	ABOVE GROUND HEIGHT (m) (TYP.)	LENGTH (m)	COMMENTS
CHRISTIE STREET LOT EAST WALL	STREET LOT	1.07	22.4	SEE DWGS. RW-2 & RW-6.
CHRISTIE STREET LOT NORTH WALL	NORTH LOT	1.07 - 1.40	13.8	SEE DWGS. RW-2 & RW-6.
CHRISTIE STREET LOT WEST WALL	WEST LOT	1.40 - 4.90	36.5	SEE DWGS. RW-3 & RW-7.
CHRISTIE STREET LOT SOUTH WALL	SOUTH LOT	1.70 - 4.00	17.8	SEE DWGS. RW-3 & RW-7A.
CO 1+695.0 TO CO 1+735.0 UPPER WALL (LT)	DRIVEWAY WEST	1.07	34.4	UPPER WALL. SEE DWG. RW-13.
CO 1+785.0 TO CO 1+840.0 OVERLOOK WALL (RT)	STREET GORGE	1.07	56.5	DECORATIVE WALL. SEE DWGS. RW-15 & RW-16.

* VENEER SHALL BE COMPRISED OF MORTARED 100 MM BRICKS THAT MATCH THE VERSA-LOK MOSAIC IV COMPOSITION, COLOR, TEXTURE AND PATTERN. FINISH SHALL BE WEATHERED AND COLOR SHALL BE PEBBLE OR AS DIRECTED BY CITY ENGINEER.

CAST IN PLACE CONCRETE RETAINING WALL ITEM 555.0105					PRECAST CONCRETE COPING ITEM 560.07
STATION TO STATION OR LOCATION	SIDE	HEIGHT INCLUDING FOUNDATION (m)	LENGTH (m)	COMMENTS	LENGTH (m)
CO 1+265.0 TO CO 1+335.0	RT	2.00	79.95	MATCH EXISTING HISTORIC WALL. SEE DWGS. RW-8 & RW-9.	79.95
CHRISTIE STREET LOT	EAST	2.50 - 4.35	22.40	SEE DWGS. RW-1, RW-2, RW-4, RW-5 & RW-6.	-
CHRISTIE STREET LOT	NORTH	4.2 - 4.35	13.80	SEE DWGS. RW-1, RW-2, RW-4, RW-5 & RW-6.	-
CHRISTIE STREET LOT	WEST	3.40 - 6.30	36.50	SEE DWGS. RW-1, RW-3, RW-4, RW-5 & RW-7.	-
CHRISTIE STREET LOT	SOUTH	3.20 - 5.30	17.80	SEE DWGS. RW-1, RW-3, RW-4, RW-5 & RW-7A.	-
CO 1+695.0 TO CO 1+735.0	LT	3.30 - 4.20	34.40	UPPER WALL. SEE DWG. RW-13.	-
CO 1+785.0 TO CO 1+840.0	RT	2.40	56.50	DECORATIVE WALL. SEE DWGS. RW-15 & RW-16.	-

PRIVATE PROPERTY WORK RELEASE SUMMARY		
WORK TYPE	ROADWAY	ADDRESS NUMBERS
SIDEWALK EXTENSIONS OR WALKWAY REPLACEMENT	CONGRESS ST.	*316, *343, *345, *347, *348, *351, *377, *379, *381, *383, *567, *569, *571, *577, *579
	BRUNSWICK RD.	*3, *7
BRICK PAVER PLACEMENT	CONGRESS ST.	*269, *281, *353, *355, *357, *359, *361, *363, *365, *367, *369
GRADING IMPROVEMENTS	CONGRESS ST.	*311
	BRUNSWICK RD.	*9, *11, *13, *15
DRIVEWAY IMPROVEMENTS	BRUNSWICK RD.	*2

NOTE:
SEE DWG. GN-1 NOTE 25 FOR MORE INFORMATION.

ORNAMENTAL STEEL PICKET FENCE ITEM 607.95----01		
STA TO STA OR LOC.	LENGTH (m)	COMMENTS
CHRISTIE ST. LOT EAST WALL	22.4	SEE DWGS. RW-2 & RW-10
CHRISTIE ST. LOT NORTH WALL	13.8	SEE DWGS. RW-2 & RW-10
CHRISTIE ST. LOT WEST WALL	36.5	SEE DWGS. RW-3 & RW-10
CHRISTIE ST. LOT SOUTH WALL	17.8	SEE DWGS. RW-3 & RW-10
CO 1+785 RT TO CO 1+840 RT	56.5	SEE DWGS. RW-10 & RW-15

DRIVEWAY TABLE						
LOCATION STATION	SIDE	CLASS	TYPE	W	L	PROPOSED MATERIAL
						CO 1+094
CO 1+110	LT	C	2	30.0	5.8	ASPHALT CONCRETE
CO 1+147	LT	R	3	3.2	10.6	ASPHALT CONCRETE
CO 1+158	LT	R	3	3.2	10.7	ASPHALT CONCRETE
CO 1+184	LT	R	3	2.7	4.1	ASPHALT CONCRETE
CO 1+198	LT	C	2	9.1	3.6	ASPHALT CONCRETE
CO 1+230	LT	C	2	9.1	3.8	ASPHALT CONCRETE
CO 1+274	LT	R	3	3.0	4.7	ASPHALT CONCRETE
CO 1+307	LT	R	3	3.6	5.0	ASPHALT CONCRETE
CO 1+390	RT	R	3	3.2	4.4	ASPHALT CONCRETE
TH 3+012	RT	R	3	3.0	14.4	ASPHALT CONCRETE
CO 1+459	RT	R	3	8.4	6.4	ASPHALT CONCRETE
CO 1+632	RT	C	2	9.0	7.8	ASPHALT CONCRETE
CO 1+719	RT	C	2	9.0	4.6	ASPHALT CONCRETE
CO 1+761	RT	C	2	7.6	5.5	ASPHALT CONCRETE
CO 1+825	LT	R	3	3.6	6.4	ASPHALT CONCRETE
CO 1+848	LT	R	3	6.0	4.7	ASPHALT CONCRETE
CO 1+883	LT	R	3	9.1	5.5	ASPHALT CONCRETE
CO 1+912	RT	R	3	6.0	6.5	ASPHALT CONCRETE
CO 1+956	RT	R	3	8.0	6.0	ASPHALT CONCRETE
CO 1+957	LT	R	3	2.7	3.9	ASPHALT CONCRETE
CO 1+978	LT	R	3	2.7	3.7	ASPHALT CONCRETE
BR 10+027	LT	R	3	2.7	3.3	ASPHALT CONCRETE
BR 10+039	LT	R	3	6.0	2.9	ASPHALT CONCRETE
BR 10+051	RT	C	2	9.1	3.6	ASPHALT CONCRETE
BR 10+069	RT	C	2	9.1	3.4	ASPHALT CONCRETE
BR 10+071	LT	R	3	6.5	3.3	ASPHALT CONCRETE
BR 10+088	RT	C	2	13.5	3.3	ASPHALT CONCRETE

DRIVEWAY NOTES:

- SEE THE STANDARD SHEETS M608-6, M608-7R1, M608-8 AND M608-9 FOR FURTHER DETAILS.
- TABLE DATA FORMAT/DEFINITIONS:
 CLASS (CLASSIFICATION)
 TYPICAL ENTRIES INCLUDE:
 'R' (RESIDENTIAL)
 'C' (MINOR COMMERCIAL)
 'M' (MAJOR COMMERCIAL)
 'F' (FIELD ENTRANCE)
 W = DRIVEWAY PAVEMENT WIDTH
 L = DRIVEWAY PAVEMENT LENGTH

REINFORCED CONCRETE STAIRS							
STATION	SIDE	RAIL TO RAIL WIDTH (W)	RISERS	HAND RAILS	ITEM NO. (QUANT.)	STAIRWAY TYPE	
CO 1+428	RT	2.4	1	0	615.6651--06 (1)	I	
CO 1+432	RT	1.8	1	0	615.6651--06 (1)	I	
CO 1+436	RT	3.6	1	0	615.6651--06 (1)	I	
CO 1+437	LT	2.4	1	0	615.6651--06 (1)	I	
CO 1+445	RT	2.4	1	0	615.6651--06 (1)	I	
CO 1+447	LT	2.4	1	0	615.6651--06 (1)	I	
CO 1+483	RT	1.8	1	0	615.6651--06 (1)	I	
CO 1+483	LT	1.8	1	0	615.6651--06 (1)	I	
CO 1+486	LT	1.5	1	0	615.6651--06 (1)	I	
CO 1+488	RT	2.4	1	0	615.6651--06 (1)	I	
CO 1+492	RT	1.5	1	0	615.6651--06 (1)	I	
CO 1+499	LT	3.0	1	0	615.6651--06 (1)	I	
CO 1+500	RT	3.0	1	0	615.6651--06 (1)	I	
CO 1+502	RT	1.2	1	0	615.6651--06 (1)	I	
CO 1+504	LT	1.2	1	0	615.6651--06 (1)	I	
CO 1+505	RT	1.8	1	0	615.6651--06 (1)	I	
CO 1+508	LT	1.8	1	0	615.6651--06 (1)	I	
CO 1+513	LT	1.8	1	0	615.6651--06 (1)	I	
CO 1+520	LT	2.4	1	0	615.6651--06 (1)	I	
CO 1+564	RT	1.1	3	2	615.6653--06 (1) & 615.8004--01 (2.0)	I	
CO 1+575	RT	1.1	3	2	615.6653--06 (1) & 615.8004--01 (2.0)	I	
CO 1+737	LT	1.1	39 *	2	615.6689--06 (1) & 615.8004--01 (28.0)	II	
CO 1+779	LT	1.1	24 *	2	615.6674--06 (1) & 615.8004--01 (18.0)	II	
CO 1+797	LT	1.1	14	2	615.6664--06 (1) & 615.8004--01 (12.0)	II	
CO 1+803	LT	1.1	14	2	615.6664--06 (1) & 615.8004--01 (10.0)	II	
CO 1+809	LT	1.1	11	2	615.6661--06 (1) & 615.8004--01 (8.0)	II	
CO 1+832	LT	1.1	7	2	615.6657--06 (1) & 615.8004--01 (3.0)	I	
CO 1+873	LT	2.4	7	2	615.6657--06 (1) & 615.8004--01 (3.0)	I	

NOTE:
SEE DWG. MD-3 FOR STAIR DETAILS.
* 1.219 m LANDING REQUIRED AT MID LENGTH.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE	DATE	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66	MISCELLANEOUS TABLES		DRAWING NO. MT-17 SHEET NO. 67	
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AQ_MTB.DGN	© 2011 LABERGE ENGINEERING & CONSULTING GROUP LTD. 4 Computer Drive West - Albany, New York 12206 (518) 438-7112 - www.labergegroup.com			

REMOVE AND STORE EXISTING HYDRANT ITEM 663.46	
STATION	QUANTITY (EA)
CO 1+072, 7.0 LT	1
CO 1+162, 12.3 LT	1
CH 11+014, 5.1 RT	1
CH 11+051, 8.8 RT	1
CO 1+358, 6.7 LT	1
TH 3+017, 6.6 LT	1
CO 1+545, 6.5 LT	1
FI 7+014, 6.8 RT	1
CO 1+633, 6.5 LT	1
CO 1+730, 7.0 LT	1
CO 1+837, 5.8 LT	1
BA 8+011, 5.3 LT	1
BR 10+021, 9.1 RT	1
BR 10+084, 7.9 LT	1
TOTAL	14

HYDRANTS - ITEM 663.13XX	
STATION	QUANTITY (EA)
CO 1+092, 5.0 LT	1
CO 1+153, 6.7 LT	1
CO 1+313, 9.4 LT	1
CO 1+398, 6.4 RT	1
FD 6+009, 7.5 RT	1
CO 1+655, 6.2 RT	1
CO 1+714, 9.9 RT	1
CO 1+841, 8.6 RT	1
BA 8+013, 5.5 LT	1
BR 10+007, 7.7 LT	1
BR 10+044, 8.1 RT	1
BR 10+100, 8.1 LT	1
TOTAL	12

GUIDE RAILING - INSTALLATION					
STATION TO STATION	POST SPACING	LENGTH	FACTOR	ITEM 606.10	ITEM 606.1201
PA 9+455 LT TO PA 9+473 LT	1.830	18	1.0	18	1
PA 9+455 RT TO PA 9+473 RT	1.830	18	1.0	18	1
TOTAL				36	2

NOTE: STATION TO STATION DISTANCE MAY NOT EQUAL TRUE DISTANCE DUE TO RADIUS.

GUIDE RAILING - REMOVAL			
STATION TO STATION	ITEM 606.63 (STORE)	ITEM 606.71 (DISPOSE)	ITEM 606.73 (DISPOSE)
CO 1+124 LT TO CO 1+144 LT	-	20	-
CO 1+165 LT TO CO 1+181 LT	-	18	-
CO 1+698 LT TO CO 1+735 LT	30	-	-
CO 1+787 RT TO CO 1+840 RT	-	57	-
PA 9+455 LT TO PA 9+471 LT	-	-	16
PA 9+455 RT TO PA 9+471 RT	-	-	16
TOTAL	30	95	32

NOTE: STATION TO STATION DISTANCE MAY NOT EQUAL TRUE DISTANCE DUE TO RADIUS.

ADJUST EXIST. VALVE BOX ELEVATION ITEM 663.33	
STATION	QUANTITY (EA)
CO 1+091, 5.4 RT	1
TH 3+085, 2.6 LT	1
TH 3+007, 10.8 RT	1
MS 4+460, 0.1 RT	1
CY 5+480, 3.1 RT	1
CY 5+490, 1.0 LT	1
FI 7+007, 0.3 LT	1
FI 7+011, 2.0 RT	1
BA 8+012, 0.1 RT	1
PA 9+483, 18.0 LT	1
PA 9+464, 6.6 RT	1
TOTAL	11

REMOVE AND DISPOSE EXISTING FENCE - ITEM 607.96----08	
STATION TO STATION	LENGTH (M)
CO 1+743 LT TO CO 1+777 LT	35
CO 1+790 RT TO CO 1+840 RT	50
TOTAL	85

REMOVE AND RESET EXISTING FENCE - ITEM 607.97----08	
STATION TO STATION	LENGTH (M)
CO 1+704 RT TO CO 1+714 RT	10
CO 1+725 RT TO CO 1+735 RT	10
CO 1+889 LT TO CO 1+919 LT	30
TOTAL	50

BUS STOP BENCHES		
STATION	SIDE	ITEM 615.0801--01
CO 1+398	RT	1
CO 1+422	LT	1
CO 1+598	RT	1
CO 1+640	LT	1
CO 1+903	RT	1
TOTAL		5

OPTIONAL CHAIN-LINK FENCE - ITEM 607.3001	
STATION TO STATION	LENGTH (M)
CO 1+743 LT TO CO 1+774 LT	26
TOTAL	26

REMOVE AND REINSTALL IRON FENCE - ITEM 607.9401--11	
STATION TO STATION	LENGTH (M)
CO 1+840 RT TO CO 1+880 RT	40
CO 1+917 RT TO CO 1+999 RT	90
TOTAL	130

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	DATE _____	CITY OF TROY			MISCELLANEOUS TABLES	
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AR_MTB.DGN				



CEMENT LINED DUCTILE IRON WATER PIPE					REMARKS
Station to Station	Item 663.01(06) (M)	Item 663.01(08) (M)	Item 663.01(12) (M)	Item 663.01(20) (M)	
CO 1+045 - 1+925			865		MAIN LINE
CO 1+ 100			25		11th St. Branch
CO 1+ 070			2		TIE-IN
CO 1+ 155	6				HYDRANT
CO 1+ 310	8				HYDRANT
CO 1+ 310	5				HYDRANT
CO 1+ 425			8		TIE-IN
CO 1+ 425	5				TIE-IN
CO 1+ 520			10		TIE-IN
MS 4 + 450	5				TIE-IN
CO 1 + 535			21		14th St. TIE-IN
CO 1 + 540	10				HYDRANT
CO 1 + 545			6		Cypress St. TIE-IN
CO 1 + 620			8		15th St. TIE-IN
CO 1 + 625		3			TIE-IN
CO 1 + 655	1				HYDRANT
CO 1 + 715	6				HYDRANT
CO 1 + 840	3				HYDRANT
CO 1 + 925				14.5	Brunswick Ave TIE-IN
BA 8 + 050	2				HYDRANT
CO 1+926 - BR 10+015				80	MAIN LINE
BR 10 + 010	8				HYDRANT
BR 10 + 015				12	Traffic Circle TIE-IN
BR 10+015 - BR 10+160		145			MAIN LINE
TOTAL IN METERS:	59	148	945	106.5	
TOTAL IN FEET	194	485	3,100	349	

WATER SERVICE PIPE & CONNECTIONS					
HOUSE NO.	PIPE - ITEM 663.0603 (M)	CONN. - ITEM 663.2503 (EA.)	HOUSE NO.	PIPE - ITEM 663.0603 (M)	CONN. - ITEM 663.2503 (EA.)
245	11	1	364	7	1
247	11	1	365	11	1
251	11	1	367	11	1
257	11	1	369	11	1
263	14	1	370	7	1
265	14	1	374	7	1
267	17	1	377	11	1
269	20	1	379	11	1
273	17	1	381	11	1
275	17	1	383	11	1
277	17	1	384	7	1
281	12	1	385	11	1
295	11.5	1	389	11	1
297	11.5	1	514	8	1
301	11	1	518	8	1
303	12	1	520	7	1
305	12	1	521-523	22	1
307	12	1	529	15	1
311	12	1	531	15	1
312	8.5	1	535	13	1
316	8.5	1	539	11.5	1
324	8.5	1	540	7	1
326	8.5	1	541	11	1
328	8.5	1	545	11	1
330	8.5	1	549	11	1
331	12	1	550	7	1
332	8.5	1	552	7	1
333	12	1	554	7	1
335	12	1	555	10.5	1
336	8	1	560	8	1
337	12	1	561-565	12	1
338	8	1	567	12	1
339	12	1	569	12	1
340	8	1	571	12	1
341	12	1	575	12	1
342	8	1	577	12	1
343	12	1	579	12	1
344	8	1	2 Stew arts	8	1
345	12	1	3	11	1
346	8	1	4	8	1
347	12	1	5	11	1
348	8	1	7	11	1
349-351	12	1	9	11	1
1-2	11	1	11	11	1
3	11	1	13	11	1
4	11	1	15	11	1
5	11	1	19	11	1
361	11	1	23	10	1
362	7	1	25	9	1
363	11	1	27	9	1
SUBTOTAL:	563	50	SUBTOTAL:	622	50
			TOTALS:	1,085	100

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	DATE _____	CITY OF TROY	MISCELLANEOUS TABLES		DRAWING NO. MT-19 SHEET NO. 69	
DOCUMENT NAME: 175339AS.MTB.DGN		© 2011 LABERGE ENGINEERING & CONSULTING GROUP LTD. 4 Computer Drive West - Albany, New York 12205 (518) 456-7112 - www.labergengroup.com				



D.I. WATER PIPE FITTINGS - ITEM 663.2001 (3 NPS - 8 NPS)						
APPROX. STATION	TYPE	SIZE (NPS)	APPROX. WEIGHT (lb.)	APPROX. WEIGHT (kg.)	* RESTRAINT JOINT (EA.)	
					6" NPS	8" NPS
CO 1+395 (PL)	90° BEND	6	85	39	2	
CO 1+425 (PL)	22.5° BEND	6	75	34	2	
(PL)	11.25° BEND	6	75	34	2	
CO 1+625 (PL)	* SLEEVE	8x8	100	45		2
MS 4+460 (PL)	90° BEND	6	85	39	2	
(PL)	CAP	6	30	14	1	
FO 6+015 (PL)	45° BEND	8	110	50		2
BR 10+010 (PL)	45° BEND	6	75	34	2	
BR 10+050 (PL)	TEE	8x8x6	175	79	1	2
BR 10+090 (PR)	45° BEND	8	110	50		2
(PR)	45° BEND	8	110	50		2
(PR)	45° BEND	8	110	50		2
(PR)	45° BEND	8	110	50		2
BR 10+110 (PL)	TEE	8x8x6	175	79	1	2
BR 10+145 (PL)	11.25° BEND	8	110	50		2
(PL)	11.25° BEND	8	110	50		2
BR 10+160 (PL)	* SLEEVE	8x8	65	29		2
TOTALS:			1,710	775	13	22

* ITEM NOT IDENTIFIED ON PLAN/PROFILE SET
 (PL) Plan
 (PR) Profile

D.I. WATER PIPE FITTINGS - ITEM 663.2002 (10 NPS - 16 NPS)							
APPROX. STATION	TYPE	SIZE (NPS)	APPROX. WEIGHT (lb.)	APPROX. WEIGHT (kg.)	* RESTRAINT JOINT (EA.)		
					6" NPS	8" NPS	12" NPS
CO 1+070 (PL)	TEE	12x12x12	410	186			3
(PL)	CAP	12	80	36			1
CO 1+100 (PL)	TEE	12x12x12	410	186			3
(PL)	90° BEND	12	255	116			2
(PL)	TEE	12x12x6	325	147	1		2
EL 2+010 (PL)	90° BEND	12	255	116			2
(PL)	REDUCER	12x6	150	68	1		1
(PL)	11.25° BEND	12	220	100			2
CO 1+115 (PR)	45° BEND	12	215	97			2
(PR)	45° BEND	12	215	97			2
(PR)	45° BEND	12	215	97			2
(PR)	45° BEND	12	215	97			2
CO 1+135 (PL)	22.5° BEND	12	220	100			2
CO 1+155 (PL)	TEE	12x12x6	325	147	1		2
CO 1+170 (PL)	22.5° BEND	12	220	100			2
CO 1+185 (PL)	11.25° BEND	12	220	100			2
CO 1+310 (PL)	TEE	12x12x6	325	147	1		2

D.I. WATER PIPE FITTINGS - ITEM 663.2002 (10 NPS - 16 NPS)							
APPROX. STATION	TYPE	SIZE (NPS)	APPROX. WEIGHT (lb.)	APPROX. WEIGHT (kg.)	* RESTRAINT JOINT (EA.)		
					6" NPS	8" NPS	12" NPS
CO 1+320 (PR)	45° BEND	12	215	97			2
(PR)	45° BEND	12	215	97			2
(PR)	45° BEND	12	215	97			2
(PR)	45° BEND	12	215	97			2
CO 1+395 (PL)	TEE	12x12x6	325	147	1		2
CO 1+425 (PL)	TEE	12x12x12	410	186			3
(PL)	REDUCER	12x6	150	68	1		1
CO 1+435 (PR)	45° BEND	12	215	97			2
(PR)	45° BEND	12	215	97			2
CO 1+500 (PR)	45° BEND	12	220	100			2
(PR)	45° BEND	12	220	100			2
(PR)	45° BEND	12	220	100			2
(PR)	45° BEND	12	220	100			2
CO 1+520 (PL)	22.5° BEND	12	220	100			2
(PL)	TEE	12x12x12	410	186			3
MS 4+460 (PL)	TEE	12x12x6	325	147	1		2
(PL)	REDUCER	12x6	150	68	1		1
(PL)	REDUCER	12x6	150	68	1		1
(PR)	45° BEND	12	220	100			2
(PR)	45° BEND	12	220	100			2
CO 1+535 (PL)	TEE	12x12x12	410	186			3
FO 6+015 (PL)	45° BEND	12	215	97			2
(PL)	REDUCER	12x8	165	75		1	1
CO 1+540 (PL)	TEE	12x12x6	325	147	1		2
(PL)	TEE	12x12x12	410	186			3
(PL)	REDUCER	12x6	150	68	1		1
CO 1-610 (PR)	45° BEND	12	215	97			2
(PR)	45° BEND	12	215	97			2
(PR)	45° BEND	12	215	97			2
(PR)	45° BEND	12	215	97			2
CO 1+620 (PL)	TEE	12x12x12	410	186			3
FI 7+005 (PL)	* SLEEVE	12x12	100	45			2
CO 1+625 (PL)	TEE	12x12x8	340	154		1	2
CO 1+655 (PL)	TEE	12x12x6	325	147	1		2
CO 1+700 (PL)	* TEE	12x12x6	325	147	1		2
(PL)	* TEE	12x12x6	325	147	1		2
CO 1+715 (PL)	TEE	12x12x6	325	147	1		2
CO 1+750 (PL)	22.5° BEND	12	220	100			2
CO 1+795 (PL)	11.25° BEND	12	220	100			2
CO 1+840 (PL)	TEE	12x12x6	325	147	1		2
TOTALS:			14,475	6,557	16	2	114

* ITEM NOT IDENTIFIED ON PLAN/PROFILE SET
 (PL) Plan
 (PR) Profile

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY	DRAWING NO. MT-20 SHEET NO. 70			
DOCUMENT NAME: 175339AT_MTB.DGN		© 2011 LABERGE ENGINEERING & CONSULTING GROUP LTD. 4 Computer Drive West - Albany, New York 12205 (518) 458-7112 - www.labergegroup.com				



RESILIENT WEDGE GATE VALVES & BOXES (Item 663.10XX)					REMARKS
Approx. Station	Item 663.10(06) EA.	Item 663.10(08) EA.	Item 663.10(12) EA.	Item 663.10(20) EA.	
CO 1+070			2		
CO 1+100			2		
CO 1+100	1				Branch line/Hydrant
CO 1+150	1				Hydrant
CO 1+340	1				Hydrant
CO 1+395	1				Hydrant
CO 1+425			1		Tie-In Branch
MS 4+465	1		2		Tie-In Branch
CO 1+535			1		14th St. Branch
CO 1+540	1				Hydrant
CO 1+545			2		Cypress St. Branch
CO 1+620			2		Main and Branch Line
CO 1+625		1			Tie-In Branch
CO 1+655	1				Hydrant
CO 1+700	2				Tie-In
CO 1+715	1				Hydrant
CO 1+840	1		1		Hydrant and Main Line
CO 1+925				3	Main and Branch Line
BA 8+010	1				Hydrant
BR 10+015	1	1		1	Hydrant/Branch/Main
BR 10+050	1				Hydrant
BR 10+110	1				Hydrant
TOTAL (EA.)	15	2	13	4	

D.I. WATER PIPE FITTINGS - ITEM 663.2003 (18 NPS and LARGER)								
APPROX. STATION	TYPE	SIZE (NPS)	APPROX. WEIGHT (lb.)	APPROX. WEIGHT (kg.)	** RESTRAINT JOINT (EA.)			
					6" NPS	8" NPS	12" NPS	20" NPS
CO 1+925 (PL)	REDUCER	12x20	440	199			1	1
(PL)	TEE	20x20x20	1,185	537				3
BA 8+010 (PL)	TEE	20x20x6	830	376	1			2
BR 10+010 (PL)	TEE	20x20x6	830	376	1			2
BR 10+015 (PL)	TEE	20x20x20	1,185	537				3
(PL)	REDUCER	* 20x8	410	186		1		1
(PL)	45° BEND	20	595	270				2
TOTALS:			5,475	2,480	2	1	1	14

* ACTUAL ITEM NOT AVAILABLE-WEIGHT BASED ON 20x10.

** ITEM NOT IDENTIFIED ON PLAN/PROFILE SET

(PL) Plan

(PR) Profile

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
CITY OF TROY	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				MISCELLANEOUS TABLES	DRAWING NO. MT-21 SHEET NO. 71
COUNTY: RENSSELAER	DOCUMENT NAME: 175339AU_MTB.DGN					

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DRAINAGE STRUCTURE TABLE - INLETS																						PROPOSED WORK
STRUCT ID	LOCATION	TOP ELEV	INLET INVERT ELEV	OUTLET INVERT ELEV	STRUCT TYPE	FRAME TYPE	206.02 CM	552.16 SQM	604.300211 TYPE B, M	604.301072 TYPE J, M	604.301172 TYPE K, M	604.301772 TYPE Q, M	604.301873 TYPE R, M	604.4048 M	604.4060 M	604.4072 M	604.4084 M	655.0705 EA	655.0706 EA	655.1111 EA	655.1201 EA	
DS 67	CO 1+082	9.4 LT	45.633	44.716	44.690	Q	F2	8.95	-	-	-	1.44	-	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-66, DP-67
DS 66	CO 1+094	8.3 LT	45.800	-	44.896	B	11 RETIC	9.96	-	1.40	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-66
DS 65	CO 1+113	4.2 RT	46.275	44.400 NE 44.551 SE	44.375	K	F2	23.44	30.00	-	-	2.40	-	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-60, DP-64, DP-65
DS 64	CO 1+123	8.7 LT	46.790	45.475	45.450	J	F2	16.22	21.88	-	1.84	-	-	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-63, DP-64
DS 63	CO 1+133	6.0 LT	47.130	45.915	45.890	B	11 RETIC	12.34	18.57	1.74	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-62, DP-63
DS 62	CO 1+142	12.1 LT	47.380	46.286	46.210	B	11 RETIC	11.84	17.82	1.67	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-61, DP-62
DS 61	CO 1+163	10.9 LT	48.150	-	47.136	B	11 RETIC	10.74	16.15	1.51	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-61
DS 60	CO 1+170	4.2 RT	48.040	46.316 48.450 E 47.866 S	46.291	J	F2	19.82	26.74	-	2.25	-	-	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-59, DP-60
DS 59	CO 1+212	6.0 RT	49.590	-	47.841	J	F2	19.82	26.74	-	2.25	-	-	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-57, DP-58, DP-59
DS 58	CO 1+212	6.0 LT	49.690	-	48.676	Q	F2	9.39	15.08	-	-	-	1.51	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-58
DS 57	CO 1+267	6.0 RT	51.610	50.500 E 49.886 S	49.861	J	F2	19.82	26.74	-	2.25	-	-	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-55, DP-56, DP-57
DS 56	CO 1+267	6.0 LT	51.610	-	50.600	Q	F2	9.36	15.04	-	-	-	1.51	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-56
DS 55	CO 1+319	6.0 RT	53.530	51.980 S 51.980 E	51.955	K	F2	20.26	25.94	-	-	2.08	-	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-50, DP-54, DP-55
DS 54	CO 1+319	6.0 LT	53.530	52.100	52.075	R	F3	13.35	20.47	-	-	-	-	1.96	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-53, DP-54
DS 53	CH 11+013	0.0 CL	53.450	52.200	52.175	B	11 RETIC	12.59	18.94	1.78	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-52, DP-53
DS 52	CH 11+034	1.3 LT	58.880	56.720	53.500	B	11 RETIC	41.70	62.74	5.88	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-51, DP-52
DS 51	CH 11+053	3.7 RT	59.060	-	56.935	B	11 RETIC	18.62	28.01	2.63	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-51
DS 50	CO 1+347	5.6 RT	54.560	53.037 S 53.460 W	53.012	84	MH	22.44	30.60	-	-	-	-	-	-	-	2.05	-	-	-	1	INSTALL STR. & CONN. DP-46, DP-49, DP-50
DS 49	CO 1+348	11.2 RT	54.690	53.900	53.875	Q	F2	9.39	15.09	-	-	-	1.52	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-48, DP-49
DS 48	CO 1+360	11.2 RT	55.270	54.280	54.255	Q	F2	9.39	15.09	-	-	-	1.52	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-47, DP-48
DS 46	CO 1+369	6.0 RT	55.300	54.005 E 53.700 S	53.577	K	F2	21.71	27.79	-	-	2.22	-	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-40, DP-45, DP-46
DS 45	CO 1+376	6.0 LT	55.520	54.410	54.385	R	F3	11.16	17.12	-	-	-	-	1.64	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-44, DP-45
DS 44	CO 1+400	5.1 LT	56.230	54.970	54.945	B	11 RETIC	12.66	19.05	1.79	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-43, DP-44
DS 43	TH3+013	2.6 LT	56.610	55.504 N 55.504 E	55.479	Q	F2	10.11	16.24	-	-	-	1.63	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-41, DP-42, DP-43
DS 42	TH3+022	2.3 RT	57.300	-	56.196	Q	F2	9.95	15.98	-	-	-	1.60	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-42
DS 41	TH3+031	8.6 LT	57.250	-	56.236	Q	F2	9.39	15.08	-	-	-	1.51	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-41
DS 40	CO 1+429	6.0 RT	56.920	55.500 E 54.655 S	54.630	J	F2	24.59	33.17	-	2.79	-	-	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-38, DP-39, DP-40
DS 39	CO 1+432	6.0 LT	56.990	-	55.976	Q	F2	9.39	15.08	-	-	-	1.51	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-39
DS 38	CO 1+497	6.0 RT	58.150	56.650 E 55.775 S	55.598	K	F2	29.81	38.15	-	-	3.05	-	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-33, DP-37, DP-38
DS 37	CO 1+512	6.0 LT	58.390	57.169	57.144	J	F2	15.39	20.76	-	1.75	-	-	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-36, DP-37
DS 36	CO 1+529	4.2 LT	58.740	57.574	57.549	B	11 RETIC	11.99	18.04	1.69	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-35, DP-36
DS 35	FO 6+015	4.0 LT	59.110	57.955	57.930	R	F3	11.47	17.59	-	-	-	-	1.68	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-34, DP-35
DS 34	FO 6+012	4.4 RT	59.060	-	58.046	Q	F2	9.39	15.08	-	-	-	1.51	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-34
DS 33	CO 1+534	12.6 RT	58.770	56.880	56.855	48	MH	16.33	29.50	-	-	-	-	2.62	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-32, DP-33
DS 32A	CY 5+478	7.2 LT	58.250	-	57.330	B	11 RETIC	10.07	-	1.42	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-32A
DS 32	CY 5+482	3.5 RT	58.850	57.230 W 57.128 S	57.098	60	MH	17.27	28.15	-	-	-	-	-	2.25	-	-	-	-	1	-	INSTALL STR. & CONN. DP-31, DP-32, DP-32A
SUBTOTAL 1 - INLETS								550.10	758.40	21.50	13.12	9.75	15.27	5.27	2.62	2.25	0.00	2.05	20	3	10	3

DRAINAGE ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
203.07	SELECT GRANULAR FILL	CM
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9812	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 300 MM DIA.	M
603.9815	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 375 MM DIA.	M
603.9818	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 450 MM DIA.	M
603.9824	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 600 MM DIA.	M
603.9830	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 750 MM DIA.	M
603.9836	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 900 MM DIA.	M
603.9842	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 1050 MM DIA.	M
604.300211	RECT. DRAIN. STRUCT. TYPE B FOR #11 WELDED FRAME	M
604.301072	RECT. DRAIN. STRUCT. TYPE J FOR CAST IRON F2 FRAME	M
604.301172	RECT. DRAIN. STRUCT. TYPE K FOR CAST IRON F2 FRAME	M
604.301772	RECT. DRAIN. STRUCT. TYPE Q FOR CAST IRON F2 FRAME	M
604.301873	RECT. DRAIN. STRUCT. TYPE R FOR CAST IRON F3 FRAME	M
604.4048	ROUND PRECAST MANHOLE TYPE 48	M
604.4060	ROUND PRECAST MANHOLE TYPE 60	M
604.4072	ROUND PRECAST MANHOLE TYPE 72	M
604.4084	ROUND PRECAST MANHOLE TYPE 84	M
655.0705	CAST FRAME F2, UNMOUNTABLE CURB BOX CU2 & RETIC. GRATE G2	EA
655.0706	CAST FRAME F3, UNMOUNTABLE CURB BOX CU3 & RETIC. GRATE G3	EA
655.1111	WELDED FRAME AND RETICULINE GRATE 11	EA
655.1201	MANHOLE FRAME AND GRATE	EA

GENERAL DRAINAGE NOTES:

- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT CONDITIONS AND QUANTITIES AS SHOWN ON THE DRAINAGE TABLE ARE ESTIMATED. THESE CONDITIONS AND QUANTITIES ARE NOT TO BE DEEMED OR CONSIDERED BY THE CONTRACTOR AS A WARRANTY OR REPRESENTATION OF ACTUAL FIELD CONDITIONS TO BE ENCOUNTERED OR EXACT QUANTITIES OF WORK TO BE PERFORMED.
- DRAINAGE STRUCTURE LENGTHS OF PIPE SHOWN IN THE DRAINAGE TABLE ARE NOMINAL DIMENSIONS. EXACT DIMENSIONS MUST BE DETERMINED IN THE FIELD.
- AN EXCAVATION PROTECTION SYSTEM (EPS) SHALL BE USED FOR ALL TRENCH EXCAVATIONS DEEPER THAN 1.5 m. PAYMENT FOR THE EPS SHALL BE MADE UNDER ITEM 552.16.
- TRENCH AND CULVERT EXCAVATION SHALL BE PAID UNDER ITEM 206.02 - TRENCH AND CULVERT EXCAVATION - THE TOP EXCAVATION PAYMENT LINE SHALL BE SUBGRADE, FINISHED GRADE OR ORIGINAL GROUND, WHICHEVER IS LOWER. ALL EXCAVATION QUANTITIES SHALL BE COMPUTED FROM THIS TOP PAYMENT LINE REGARDLESS OF THE ACTUAL SURFACE FROM WHICH THE EXCAVATION IS MADE.
- ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, STANDARD ORDINANCES, RULES AND REGULATIONS.
- THE TOP OF FRAME ELEVATIONS PRESENTED ARE AT THE FOLLOWING LOCATIONS:
 - FOR DRAINAGE STRUCTURES IN PAVED SURFACES, TOP OF FRAME ELEVATION IS AT FACE OF CURB, CENTER OF GRADE.
 - FOR DRAINAGE STRUCTURES IN SWALES, TOP OF FRAME ELEVATION IS AT THE CENTER OF FLOW LINE OF SWALE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SYSTEM THAT WILL SUPPORT TRANSVERSE UTILITIES ENCOUNTERED DURING TRENCHING OPERATIONS. COST FOR THIS SYSTEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VARIOUS DRAINAGE ITEMS.
- REFER TO DRAWINGS PR-1 THROUGH PR-12 FOR PROFILE OF THE PROPOSED DRAINAGE SYSTEM.
- REFER TO DRAWINGS UDP-1 THROUGH UDP-8 FOR PLAN LOCATION OF THE PROPOSED DRAINAGE SYSTEM.
- THE CONTRACTOR SHALL FIELD VERIFY TOP OF FRAME/GRATE AND INVERT ELEVATIONS FOR THE PROPOSED SYSTEM. COST FOR THIS EFFORT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR VARIOUS DRAINAGE ITEMS.
- ALL DRAINAGE STRUCTURES SHALL HAVE 300 mm SUMP.
- STRUCTURE ID NUMBER 47 NOT USED.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE	DATE	PS&E DATE: 1/10/11			DRAINAGE TABLES	DRAWING NO. DT-1 SHEET NO. 72
		DOCUMENT NAME: 175339AA-DTB.DGN				

DRAINAGE STRUCTURE TABLE - INLETS																						PROPOSED WORK		
STRUCT ID	LOCATION	TOP ELEV	INLET INVERT ELEV	OUTLET INVERT ELEV	STRUCT TYPE	FRAME TYPE	206.02 CM	552.16 SQM	604.300211 TYPE B, M	604.301072 TYPE J, M	604.301172 TYPE K, M	604.301772 TYPE Q, M	604.301873 TYPE R, M	604.4048 M	604.4060 M	604.4072 M	604.4084 M	655.0705 EA	655.0706 EA	655.1111 EA	655.1201 EA			
DS 31	CO 1+571	9.0 RT	59.780	58.688 N 58.054 E	58.024	J	F2	19.88	26.82	-	2.26	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-29, DP-30, DP-31	
DS 30	CO 1+571	6.0 LT	59.840	-	58.828	Q	F2	9.37	15.06	-	-	-	1.51	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-30	
DS 29	CO 1+613	7.2 RT	61.480	59.755 N 59.580 E	59.550	J	F2	21.42	28.89	-	2.43	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-25, DP-28, DP-29	
DS 28	CO 1+613	8.0 LT	61.470	59.990 N 60.305 E	59.965	B	11 RETIC	14.22	21.39	2.01	-	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-26, DP-27, DP-28	
DS 27	CO 1+625	8.0 LT	62.060	-	60.478	Q	F2	12.91	20.74	-	-	-	2.08	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-27	
DS 26	FI 7+040	3.9 LT	63.250	-	62.218	Q	F2	9.50	15.26	-	-	-	1.53	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-26	
DS 25	CO 1+644	6.1 RT	63.000	62.043 N 61.556 E	61.526	J	F2	17.40	23.47	-	1.97	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-23, DP-24, DP-25	
DS 24	CO 1+647	6.0 LT	63.170	-	62.158	Q	F2	9.37	15.06	-	-	-	1.51	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-24	
DS 23	CO 1+690	6.0 RT	65.780	64.549 NE 64.162 SE	64.132	J	F2	18.93	25.54	-	2.15	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-21, DP-22, DP-23	
DS 22	CO 1+690	6.0 LT	65.670	-	64.658	Q	F2	9.37	15.06	-	-	-	1.51	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-22	
DS 21	CO 1+726	6.0 RT	67.810	66.588 NE 66.220 SE	66.195	J	F2	18.64	25.15	-	2.12	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-19, DP-20, DP-21	
DS 20	CO 1+731	6.0 LT	67.720	66.708	66.708	Q	F2	9.37	15.06	-	-	-	1.51	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-20	
DS 19A	CO 1+749	10.8 LT	68.290	-	66.885	B	11 RETIC	13.51	20.33	1.91	-	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-19A	
DS 19	CO 1+745	6.0 RT	68.630	66.860 68.108 N	66.835	J	F2	20.23	27.29	-	2.30	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-18, DP-19	
DS 18	CO 1+769	6.0 RT	69.490	67.165 E	67.140	J	F2	25.12	33.89	-	2.85	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-16, DP-17, DP-18	
DS 17	CO 1+769	6.0 LT	69.230	-	68.218	Q	F2	9.37	15.06	-	-	-	1.51	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-17	
DS 16	CO 1+801	6.0 RT	70.430	69.382 NE 67.505 E	67.480	J	F2	30.41	41.02	-	3.45	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-14, DP-15, DP-16	
DS 15	CO 1+814	6.0 LT	70.640	-	69.552	R	F3	10.84	16.63	-	-	-	-	1.59	-	-	-	-	-	1	-	-	INSTALL STR. & CONN. DP-15	
DS 14	CO 1+855	8.7 RT	71.820	70.788 N 67.955 E	67.930	J	F2	38.69	52.20	-	4.39	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-12, DP-13, DP-14	
DS 13	CO 1+855	4.2 LT	71.920	-	70.908	Q	F2	9.37	15.06	-	-	-	1.51	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-13	
DS 12	CO 1+920	7.8 RT	73.150	71.050 N 68.405 E	68.380	J	F2	46.45	62.66	-	5.27	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-9, DP-11, DP-12	
DS 11	CO 1+920	5.5 LT	73.000	71.255	71.230	J	F2	20.01	26.99	-	2.27	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-10, DP-11	
DS 10	CO 1+930	12.4 LT	73.920	-	72.208	B	11 RETIC	15.69	23.60	2.21	-	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-10	
DS 9	CO 1+972	10.0 RT	72.692	68.945 NE 70.484 SE	68.920	J	F2	37.65	50.79	-	4.27	-	-	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-6, DP-8, DP-9	
DS 8	PA 9+475	9.2 LT	72.100	70.794	70.764	Q	F2	11.38	18.29	-	-	-	1.84	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-7, DP-8	
DS 7	PA 9+475	8.2 RT	72.070	-	70.957	Q	F2	10.00	16.07	-	-	-	1.61	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-7	
DS 6	CO 1+980	5.0 RT	72.800	69.050 E 71.200 N	69.025	72	MH	39.50	58.65	-	-	-	-	-	-	4.27	-	-	-	-	1	-	INSTALL STR. & CONN. DP-4, DP-5, DP-6	
DS 5	CO 1+983	7.2 LT	72.640	-	71.628	Q	F2	9.37	15.06	-	-	-	1.51	-	-	-	-	-	1	-	-	-	INSTALL STR. & CONN. DP-5	
DS 4	BR 10+033	4.8 RT	71.973	69.350 E 70.803 N	69.325	B	11 RETIC	22.33	33.59	3.15	-	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-2, DP-3, DP-4	
DS 3	BR 10+033	7.2 LT	71.925	-	70.913	B	11 RETIC	10.72	16.13	1.51	-	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-3	
DS 2	BR 10+075	4.8 RT	71.573	70.250	70.225	B	11 RETIC	13.11	19.72	1.85	-	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-1, DP-2	
DS 1	BR 10+075	7.2 LT	71.525	-	70.437	B	11 RETIC	11.26	16.94	1.59	-	-	-	-	-	-	-	-	-	-	1	-	INSTALL STR. & CONN. DP-1	
SUBTOTAL 2 - INLETS							575.39	827.46	14.22	35.72	0.00	17.65	1.59	0.00	0.00	4.27	0.00	23	1	7	1			
TOTAL - INLETS							1125.48	1585.86	35.72	48.84	9.75	32.92	6.86	2.62	2.25	4.27	2.05	43	4	17	4			

DRAINAGE ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
203.07	SELECT GRANULAR FILL	CM
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9812	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 300 MM DIA.	M
603.9815	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 375 MM DIA.	M
603.9818	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 450 MM DIA.	M
603.9824	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 600 MM DIA.	M
603.9830	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 750 MM DIA.	M
603.9836	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 900 MM DIA.	M
603.9842	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 1050 MM DIA.	M
604.300211	RECT. DRAIN. STRUCT. TYPE B FOR #11 WELDED FRAME	M
604.301072	RECT. DRAIN. STRUCT. TYPE J FOR CAST IRON F2 FRAME	M
604.301172	RECT. DRAIN. STRUCT. TYPE K FOR CAST IRON F2 FRAME	M
604.301772	RECT. DRAIN. STRUCT. TYPE Q FOR CAST IRON F2 FRAME	M
604.301873	RECT. DRAIN. STRUCT. TYPE R FOR CAST IRON F3 FRAME	M
604.4048	ROUND PRECAST MANHOLE TYPE 48	M
604.4060	ROUND PRECAST MANHOLE TYPE 60	M
604.4072	ROUND PRECAST MANHOLE TYPE 72	M
604.4084	ROUND PRECAST MANHOLE TYPE 84	M
655.0705	CAST FRAME F2, UNMOUNTABLE CURB BOX CU2 & RETIC. GRATE G2	EA
655.0706	CAST FRAME F3, UNMOUNTABLE CURB BOX CU3 & RETIC. GRATE G3	EA
655.1111	WELDED FRAME AND RETICULINE GRATE 11	EA
655.1201	MANHOLE FRAME AND GRATE	EA

NOTE:
REFER TO DWG. NO. DT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE	DATE	PS&E DATE: 1/10/11	THE CITY OF TROY		DRAINAGE TABLES	DRAWING NO. DT-2 SHEET NO. 73
DOCUMENT NAME: 175339AB_DTB.DGN						

PIPELINE ID	LOCATION		INLET INVERT ELEV	OUTLET INVERT ELEV	DRAINAGE STRUCTURE TABLE - PIPING										PROPOSED WORK			
					203.07	206.02	552.16	603.9812	603.9815	603.9818	603.9824	603.9830	603.9836	603.9842				
					CM	CM	SQM	M	M	M	M	M	M	M				
DP67	CO 1+082	9.4 LT 45.633	CO 1+078	9.4 LT 45.633	44.690	44.605	0.55	0.55	-	4.50								INSTALL PIPE TO CONN. DS-67 TO EX. CB
DP66	CO 1+094	8.3 LT 45.800	CO 1+082	9.4 LT 45.633	44.896	44.716	2.14	2.14	-	12.00								INSTALL PIPE TO CONN. DS-66 TO DS-67
DP65	CO 1+113	4.2 RT 46.275	CO 1+058	4.4 RT 44.528	44.375	43.000	77.17	121.22	-						54.00			INSTALL PIPE TO CONN. DS-65 TO EX. CB
DP64	CO 1+123	8.7 LT 46.790	CO 1+113	4.2 RT 46.275	45.450	44.400	8.03	13.25	-		15.50							INSTALL PIPE TO CONN. DS-64 TO DS-65
DP63	CO 1+133	6.0 LT 47.130	CO 1+123	8.7 LT 46.790	45.890	45.475	5.92	7.03	-		13.00							INSTALL PIPE TO CONN. DS-63 TO DS-64
DP62	CO 1+142	12.1 LT 47.380	CO 1+133	6.0 LT 47.130	46.210	45.915	4.44	5.44	-		11.80							INSTALL PIPE TO CONN. DS-62 TO DS-63
DP61	CO 1+163	10.9 LT 48.150	CO 1+142	12.1 LT 47.380	47.136	46.286	7.46	7.46	-	23.60								INSTALL PIPE TO CONN. DS-61 TO DS-62
DP60	CO 1+170	4.2 RT 48.040	CO 1+113	4.2 RT 46.275	46.291	44.551	79.96	111.05	-						52.00			INSTALL PIPE TO CONN. DS-60 TO DS-65
DP59	CO 1+212	6.0 RT 49.590	CO 1+170	4.2 RT 48.040	47.841	46.316	60.33	83.79	-						40.00			INSTALL PIPE TO CONN. DS-59 TO DS-60
DP58	CO 1+212	6.0 LT 49.690	CO 1+212	6.0 RT 49.590	48.676	48.450	3.11	3.11	-	11.00								INSTALL PIPE TO CONN. DS-58 TO DS-59
DP57	CO 1+267	6.0 RT 51.610	CO 1+212	6.0 RT 49.590	49.861	47.866	83.23	115.60	-						54.00			INSTALL PIPE TO CONN. DS-57 TO DS-59
DP56	CO 1+267	6.0 LT 51.610	CO 1+267	6.0 RT 51.610	50.600	50.500	2.98	2.98	-	11.00								INSTALL PIPE TO CONN. DS-56 TO DS-57
DP55	CO 1+319	6.0 RT 53.530	CO 1+267	6.0 RT 51.610	51.955	49.886	68.85	98.99	-						50.50			INSTALL PIPE TO CONN. DS-55 TO DS-57
DP54	CO 1+319	6.0 LT 53.530	CO 1+319	6.0 RT 53.530	52.075	51.980	10.01	12.29	-			11.00						INSTALL PIPE TO CONN. DS-54 TO DS-55
DP53	CH 11+013	0.0 CL 53.450	CO 1+319	6.0 LT 53.530	52.175	52.100	3.61	4.66	-			6.50						INSTALL PIPE TO CONN. DS-53 TO DS-54
DP52	CH 11+034	1.3 LT 58.880	CH 11+013	0.0 CL 53.450	53.500	52.200	25.11	89.92	91.29			21.60						INSTALL PIPE TO CONN. DS-52 TO DS-53
DP51	CH 11+053	3.7 RT 59.060	CH 11+034	1.3 LT 58.880	56.935	56.720	21.90	43.87	7.03			19.20						INSTALL PIPE TO CONN. DS-51 TO DS-52
DP50	CO 1+347	5.6 RT 54.560	CO 1+319	6.0 RT 53.530	53.012	51.980	31.74	48.00	-						29.00			INSTALL PIPE TO CONN. DS-50 TO DS-55
DP49	CO 1+348	11.2 RT 54.890	CO 1+347	5.6 RT 54.560	53.875	53.460	0.64	0.85	-			5.00						INSTALL PIPE TO CONN. DS-49 TO DS-50
DP48	CO 1+360	11.2 RT 55.270	CO 1+348	11.2 RT 54.890	54.255	53.900	2.67	3.71	-			12.00						INSTALL PIPE TO CONN. DS-48 TO DS-49
DP47	CO 1+356	30.6 RT 56.402	CO 1+360	11.2 RT 55.270	54.780	54.280	10.56	12.44	-			19.50						INSTALL PIPE TO CONN. EX. CB TO DS-48
DP46	CO 1+369	6.0 RT 55.300	CO 1+347	5.6 RT 54.560	53.577	53.037	23.14	33.68	-						20.00			INSTALL PIPE TO CONN. DS-46 TO DS-50
DP45	CO 1+376	6.0 LT 55.520	CO 1+369	6.0 RT 55.300	54.385	54.005	5.22	6.33	-			13.00						INSTALL PIPE TO CONN. DS-45 TO DS-46
DP44	CO 1+400	5.1 LT 56.230	CO 1+376	6.0 LT 55.520	54.945	54.410	9.86	12.04	-			22.50						INSTALL PIPE TO CONN. DS-44 TO DS-45
DP43	TH 3+013	2.6 LT 56.610	CO 1+400	5.1 LT 56.230	55.479	54.970	2.59	2.59	-	8.00								INSTALL PIPE TO CONN. DS-43 TO DS-44
DP42	TH 3+022	2.3 RT 57.300	TH 3+013	2.6 LT 56.610	56.196	55.504	3.44	3.44	-	11.00								INSTALL PIPE TO CONN. DS-42 TO DS-43
DP41	TH 3+031	8.6 LT 57.250	TH 3+013	2.6 LT 56.610	56.236	55.504	4.00	4.00	-	13.50								INSTALL PIPE TO CONN. DS-41 TO DS-43
DP40	CO 1+429	6.0 RT 56.920	CO 1+369	6.0 RT 55.300	54.630	53.700	61.93	89.06	20.16						36.00			INSTALL PIPE TO CONN. DS-40 TO DS-46
DP39	CO 1+432	6.0 LT 56.990	CO 1+429	6.0 RT 56.920	55.976	55.500	4.14	4.14	-	11.00								INSTALL PIPE TO CONN. DS-39 TO DS-40
DP38	CO 1+497	6.0 RT 58.150	CO 1+429	6.0 RT 56.920	55.598	54.655	123.15	240.80	229.33						68.50			INSTALL PIPE TO CONN. DS-38 TO DS-40
DP37	CO 1+512	6.0 LT 58.390	CO 1+497	6.0 RT 58.150	57.144	56.650	12.05	14.42	-			18.00						INSTALL PIPE TO CONN. DS-37 TO DS-38
DP36	CO 1+529	4.2 LT 58.740	CO 1+512	6.0 LT 58.390	57.549	57.169	8.50	10.81	-			17.50						INSTALL PIPE TO CONN. DS-36 TO DS-37
DP35	FO 6+015	4.0 LT 59.110	CO 1+529	4.2 LT 58.740	57.930	57.574	4.16	5.39	-			10.50						INSTALL PIPE TO CONN. DS-35 TO DS-36
DP34	FO 6+012	4.4 RT 59.060	FO 6+015	4.0 LT 59.110	58.046	57.955	1.88	1.88	-	7.50								INSTALL PIPE TO CONN. DS-34 TO DS-35
SUBTOTAL 1 - PIPING							774.48	1216.90	347.82	113.10	112.30	46.00	58.30	0.00	350.00	54.00		

DRAINAGE ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
203.07	SELECT GRANULAR FILL	CM
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9812	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 300 MM DIA.	M
603.9815	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 375 MM DIA.	M
603.9818	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 450 MM DIA.	M
603.9824	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 600 MM DIA.	M
603.9830	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 750 MM DIA.	M
603.9836	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 900 MM DIA.	M
603.9842	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 1050 MM DIA.	M
604.300211	RECT. DRAIN. STRUCT. TYPE B FOR #11 WELDED FRAME	M
604.301072	RECT. DRAIN. STRUCT. TYPE J FOR CAST IRON F2 FRAME	M
604.301172	RECT. DRAIN. STRUCT. TYPE K FOR CAST IRON F2 FRAME	M
604.301772	RECT. DRAIN. STRUCT. TYPE Q FOR CAST IRON F2 FRAME	M
604.301873	RECT. DRAIN. STRUCT. TYPE R FOR CAST IRON F3 FRAME	M
604.4048	ROUND PRECAST MANHOLE TYPE 48	M
604.4060	ROUND PRECAST MANHOLE TYPE 60	M
604.4072	ROUND PRECAST MANHOLE TYPE 72	M
604.4084	ROUND PRECAST MANHOLE TYPE 84	M
655.0705	CAST FRAME F2, UNMOUNTABLE CURB BOX CU2 & RETIC. GRATE G2	EA
655.0706	CAST FRAME F3, UNMOUNTABLE CURB BOX CU3 & RETIC. GRATE G3	EA
655.1111	WELDED FRAME AND RETICULINE GRATE 11	EA
655.1201	MANHOLE FRAME AND GRATE	EA

NOTE:
 REFER TO DWG. NO. DT-1 FOR SPECIFIC NOTES.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE	DATE	PS&E DATE: 1/10/11	THE CITY OF TROY		DRAINAGE TABLES	DRAWING NO. DT-3 SHEET NO. 74
		DOCUMENT NAME: 175339AC_DTB.DGN				

PIPELINE ID	DRAINAGE STRUCTURE TABLE - PIPING																PROPOSED WORK	
	LOCATION				INLET INVERT ELEV	OUTLET INVERT ELEV	203.07	206.02	552.16	603.9812	603.9815	603.9818	603.9824	603.9830	603.9836	603.9842		
	FROM	TOP EL.	TO	TOP EL.			CM	CM	SQM	M	M	M	M	M	M	M		M
DP33	CO 1+534	12.6 RT	58.770	CO 1+497	6.0 RT	58.150	56.655	55.775	59.46	114.80	100.89					40.00	INSTALL PIPE TO CONN. DS-33 TO DS-38	
DP32A	CY 5+478	7.2 LT	58.250	CY 5+482	3.5 RT	58.880	57.330	57.230	4.23	4.44	-	10.80					INSTALL PIPE TO CONN. DS-32 TO DS-32A	
DP32	CY 5+482	3.5 RT	58.850	CO 1+534	12.6 RT	58.770	57.098	56.680	25.74	39.57	-				19.00		INSTALL PIPE TO CONN. DS-32 TO DS-33	
DP31	CO 1+571	9.0 RT	59.780	CY 5+482	3.5 RT	58.850	58.024	57.128	27.10	35.67	-				20.00		INSTALL PIPE TO CONN. DS-31 TO DS-32	
DP30	CO 1+571	6.0 LT	59.840	CO 1+571	9.0 RT	59.780	58.828	58.688	3.99	3.99	-	14.00					INSTALL PIPE TO CONN. DS-30 TO DS-31	
DP29	CO 1+613	7.2 RT	61.480	CO 1+571	9.0 RT	59.780	59.550	58.054	63.22	90.06	-				42.50		INSTALL PIPE TO CONN. DS-29 TO DS-31	
DP28	CO 1+613	8.0 LT	61.470	CO 1+613	7.2 RT	61.480	59.965	59.755	10.27	15.59	-			15.00			INSTALL PIPE TO CONN. DS-28 TO DS-29	
DP27	CO 1+625	8.0 LT	62.060	CO 1+613	8.0 LT	61.470	60.478	60.305	5.04	6.04	-	12.00					INSTALL PIPE TO CONN. DS-27 TO DS-28	
DP26	FI 7+040	3.9 LT	63.250	CO 1+613	8.0 LT	61.470	62.218	59.990	15.79	15.81	-	31.90					INSTALL PIPE TO CONN. DS-26 TO DS-28	
DP25	CO 1+644	6.1 RT	63.000	CO 1+613	7.2 RT	61.480	61.526	59.580	45.35	58.11	-				32.00		INSTALL PIPE TO CONN. DS-25 TO DS-29	
DP24	CO 1+647	6.0 LT	63.170	CO 1+644	6.1 RT	63.000	62.158	62.043	3.17	3.17	-	13.50					INSTALL PIPE TO CONN. DS-24 TO DS-25	
DP23	CO 1+690	6.0 RT	65.780	CO 1+644	6.1 RT	63.000	64.132	61.556	55.55	74.49	-				46.00		INSTALL PIPE TO CONN. DS-23 TO DS-25	
DP22	CO 1+690	6.0 LT	65.670	CO 1+690	6.0 RT	65.780	64.658	64.549	3.43	3.43	-	11.00					INSTALL PIPE TO CONN. DS-22 TO DS-23	
DP21	CO 1+726	6.0 RT	67.810	CO 1+690	6.0 RT	65.780	66.195	64.162	49.30	64.48	-				37.50		INSTALL PIPE TO CONN. DS-21 TO DS-23	
DP20	CO 1+731	6.0 LT	67.720	CO 1+726	6.0 RT	67.810	66.708	66.588	3.82	3.82	-	12.00					INSTALL PIPE TO CONN. DS-20 TO DS-21	
DP19A	CO 1+749	10.8 LT	68.290	CO 1+731	6.0 LT	67.720	66.885	66.708	6.40	6.40	-	15.50					INSTALL PIPE TO CONN. DS-19A TO DS-20	
DP19	CO 1+745	6.0 RT	68.630	CO 1+726	6.0 RT	67.810	66.835	66.220	26.70	34.16	-				20.00		INSTALL PIPE TO CONN. DS-19 TO DS-21	
DP18	CO 1+769	6.0 RT	69.490	CO 1+745	6.0 RT	68.630	67.140	66.860	35.12	59.93	23.50				25.00		INSTALL PIPE TO CONN. DS-18 TO DS-19	
DP17	CO 1+769	6.0 LT	69.230	CO 1+769	6.0 RT	69.490	68.218	68.108	3.99	3.99	-	11.00					INSTALL PIPE TO CONN. DS-17 TO DS-18	
DP16	CO 1+801	6.0 RT	70.430	CO 1+769	6.0 RT	69.490	67.480	67.165	47.97	115.52	118.48				33.00		INSTALL PIPE TO CONN. DS-16 TO DS-18	
DP15	CO 1+814	6.0 LT	70.640	CO 1+801	6.0 RT	70.430	69.552	69.382	4.98	6.53	-			17.00			INSTALL PIPE TO CONN. DS-15 TO DS-16	
DP14	CO 1+855	8.7 RT	71.820	CO 1+801	6.0 RT	70.430	67.930	67.505	80.08	267.74	274.61				53.00		INSTALL PIPE TO CONN. DS-14 TO DS-16	
DP13	CO 1+855	4.2 LT	71.920	CO 1+855	8.7 RT	71.820	70.908	70.788	3.03	3.03	-	12.00					INSTALL PIPE TO CONN. DS-13 TO DS-14	
DP12	CO 1+920	7.8 RT	73.150	CO 1+855	8.7 RT	71.820	68.380	67.955	96.78	430.53	441.57				63.40		INSTALL PIPE TO CONN. DS-12 TO DS-14	
DP11	CO 1+920	5.5 LT	73.000	CO 1+920	7.8 RT	73.150	71.230	71.050	7.57	15.33	-			12.00			INSTALL PIPE TO CONN. DS-11 TO DS-12	
DP10	CO 1+930	12.4 LT	73.920	CO 1+920	5.5 LT	73.000	72.208	71.255	4.34	7.76	-	11.00					INSTALL PIPE TO CONN. DS-10 TO DS-11	
DP9	CO 1+972	10.0 RT	72.692	CO 1+920	7.8 RT	73.150	68.920	68.405	62.68	304.08	337.87			50.00			INSTALL PIPE TO CONN. DS-9 TO DS-12	
DP8	PA 9+475	9.2 LT	72.100	CO 1+972	10.0 RT	72.692	70.764	70.484	13.06	24.31	4.49	27.00					INSTALL PIPE TO CONN. DS-8 TO DS-9	
DP7	PA 9+475	8.2 RT	72.070	PA 9+475	9.2 LT	72.100	70.957	70.794	6.23	6.23	-	15.00					INSTALL PIPE TO CONN. DS-7 TO DS-8	
DP6	CO 1+980	5.0 RT	72.800	CO 1+972	10.0 RT	72.692	69.025	68.945	7.92	33.11	36.79			9.20			INSTALL PIPE TO CONN. DS-6 TO DS-9	
DP5	CO 1+983	7.2 LT	72.640	CO 1+980	5.0 RT	72.800	71.628	71.200	4.34	4.70	-	11.00					INSTALL PIPE TO CONN. DS-5 TO DS-6	
DP4	BR 10+033	4.8 RT	71.973	CO 1+980	5.0 RT	72.800	69.325	69.050	62.68	214.65	238.50			50.00			INSTALL PIPE TO CONN. DS-4 TO DS-6	
DP3	BR 10+033	7.2 LT	71.925	BR 10+033	4.8 RT	71.973	70.913	70.803	3.21	3.21	-	11.00					INSTALL PIPE TO CONN. DS-3 TO DS-4	
DP2	BR 10+075	4.8 RT	71.573	BR 10+033	4.8 RT	71.973	70.225	69.350	33.44	70.40	49.87			42.00			INSTALL PIPE TO CONN. DS-2 TO DS-4	
DP1	BR 10+075	7.2 LT	71.525	BR 10+075	4.8 RT	71.573	70.437	70.250	4.78	6.09	-			11.00			INSTALL PIPE TO CONN. DS-1 TO DS-2	
SUBTOTAL 2 - PIPING							890.73	2151.15	1626.55	218.70	17.00	80.00	109.20	431.40	0.00	0.00		
TOTAL - PIPING							1665.21	3368.05	1974.37	331.80	129.30	126.00	167.50	431.40	350.00	54.00		

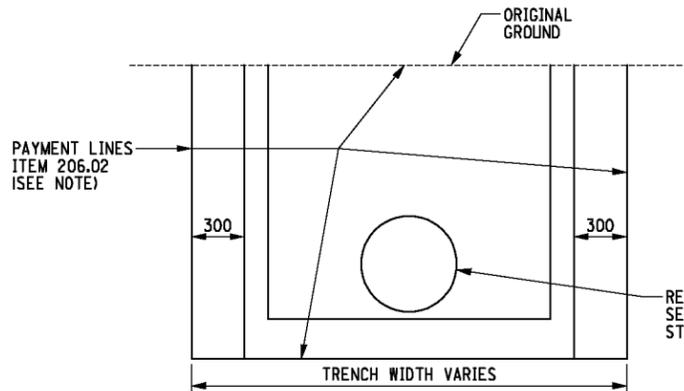
DRAINAGE ITEM DESCRIPTION TABLE		
ITEM NO.	DESCRIPTION	UNIT
203.07	SELECT GRANULAR FILL	CM
206.02	TRENCH AND CULVERT EXCAVATION	CM
552.16	EXCAVATION PROTECTION SYSTEM	SQM
603.9812	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 300 MM DIA.	M
603.9815	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 375 MM DIA.	M
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603.9824	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 600 MM DIA.	M
603.9830	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 750 MM DIA.	M
603.9836	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 900 MM DIA.	M
603.9842	SMOOTH INT. CORR. POLY. CULVERT AND STORMDRAIN - 1050 MM DIA.	M
604.300211	RECT. DRAIN. STRUCT. TYPE B FOR #11 WELDED FRAME	M
604.301072	RECT. DRAIN. STRUCT. TYPE J FOR CAST IRON F2 FRAME	M
604.301172	RECT. DRAIN. STRUCT. TYPE K FOR CAST IRON F2 FRAME	M
604.301772	RECT. DRAIN. STRUCT. TYPE Q FOR CAST IRON F2 FRAME	M
604.301873	RECT. DRAIN. STRUCT. TYPE R FOR CAST IRON F3 FRAME	M
604.4048	ROUND PRECAST MANHOLE TYPE 48	M
604.4060	ROUND PRECAST MANHOLE TYPE 60	M
604.4072	ROUND PRECAST MANHOLE TYPE 72	M
604.4084	ROUND PRECAST MANHOLE TYPE 84	M
655.0705	CAST FRAME F2, UNMOUNTABLE CURB BOX CU2 & RETIC. GRATE G2	EA
655.0706	CAST FRAME F3, UNMOUNTABLE CURB BOX CU3 & RETIC. GRATE G3	EA
655.1111	WELDED FRAME AND RETICULINE GRATE 11	EA
655.1201	MANHOLE FRAME AND GRATE	EA

NOTE:
 REFER TO DWG. NO. DT-1 FOR SPECIFIC NOTES.



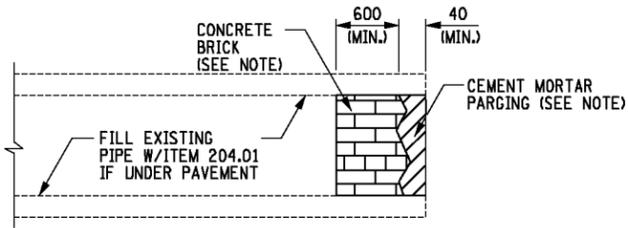
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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11			DRAINAGE TABLES	DRAWING NO. DT-4 SHEET NO. 75
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
SIGNATURE	DATE	COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AD_DTB.DGN				



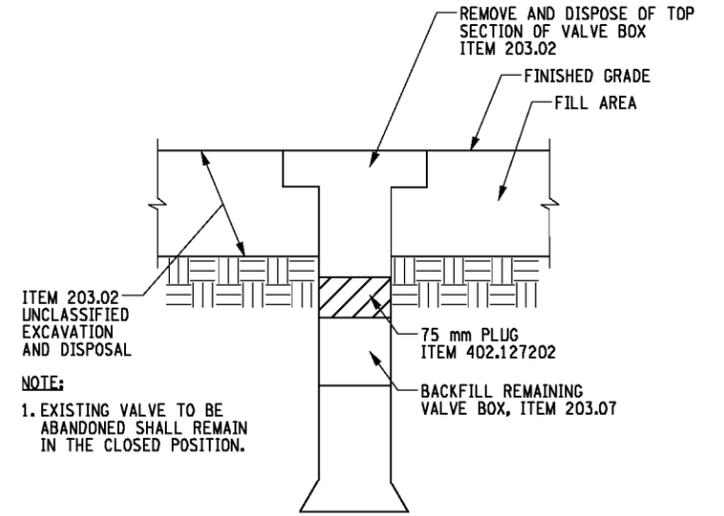
REMOVAL OF EXISTING DRAINAGE STRUCTURES

NOTE:
 N.T.S.
 IF THE EXCAVATION LIMITS FOR THE INSTALLATION OF A NEW STRUCTURE OVERLAPS THE EXCAVATION LIMITS FOR STRUCTURE REMOVAL, PAYMENT FOR EXCAVATION SHALL BE PAID ONLY FOR THE NEW STRUCTURE INSTALLATION. IF ADDITIONAL EXCAVATION IS NEEDED, EXCAVATION SHALL BE PAID UNDER ITEM 206.02.



PLAN
CAPPED BULKHEAD FOR ABANDONED STORM AND WATER PIPES

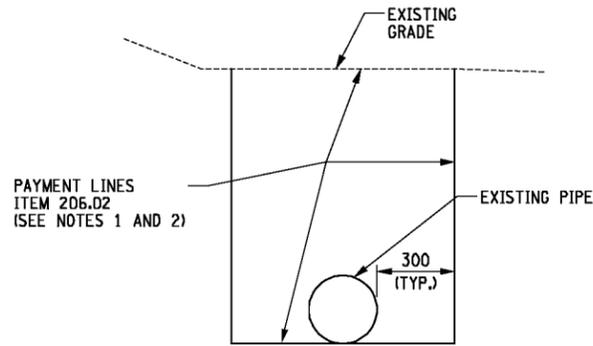
NOTE:
 N.T.S.
 COST OF BULKHEAD TO BE INCLUDED UNDER ITEM 663.40 FOR WATER AND INCLUDED UNDER ITEM 304.12 FOR STORM PIPES.



CUT VALVE BOX DETAIL
 N.T.S.

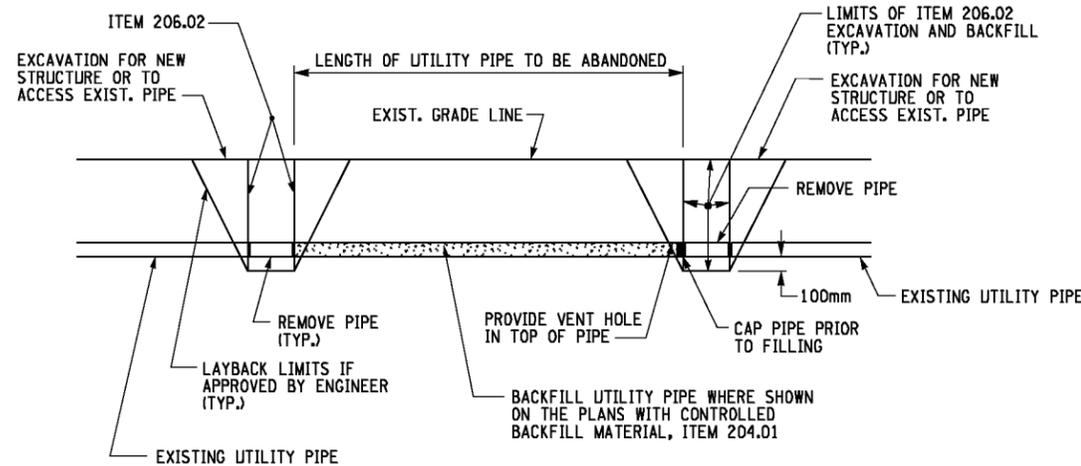
ITEM 203.02 UNCLASSIFIED EXCAVATION AND DISPOSAL

NOTE:
 1. EXISTING VALVE TO BE ABANDONED SHALL REMAIN IN THE CLOSED POSITION.



REMOVAL OF EXISTING PIPES

NOTES:
 N.T.S.
 1. IF THE EXCAVATION LIMITS FOR THE INSTALLATION OF A NEW PIPE OVERLAPS THE EXCAVATION LIMITS FOR PIPE REMOVALS, PAYMENT FOR EXCAVATION SHALL BE PAID ONLY FOR NEW PIPE INSTALLATION. IF ADDITIONAL EXCAVATION IS NEEDED, EXCAVATION SHALL BE PAID UNDER ITEM 206.02.
 2. FOR REMOVAL OF EXISTING PIPES WITHIN THE ROADWAY SECTION, THE TRENCH SHALL BE BACKFILLED WITH SUITABLE MATERIAL TO THE SUBGRADE LINE. ABOVE THE SUBGRADE LINE, MATERIAL SHALL BE AS PER TYPICAL SECTIONS.



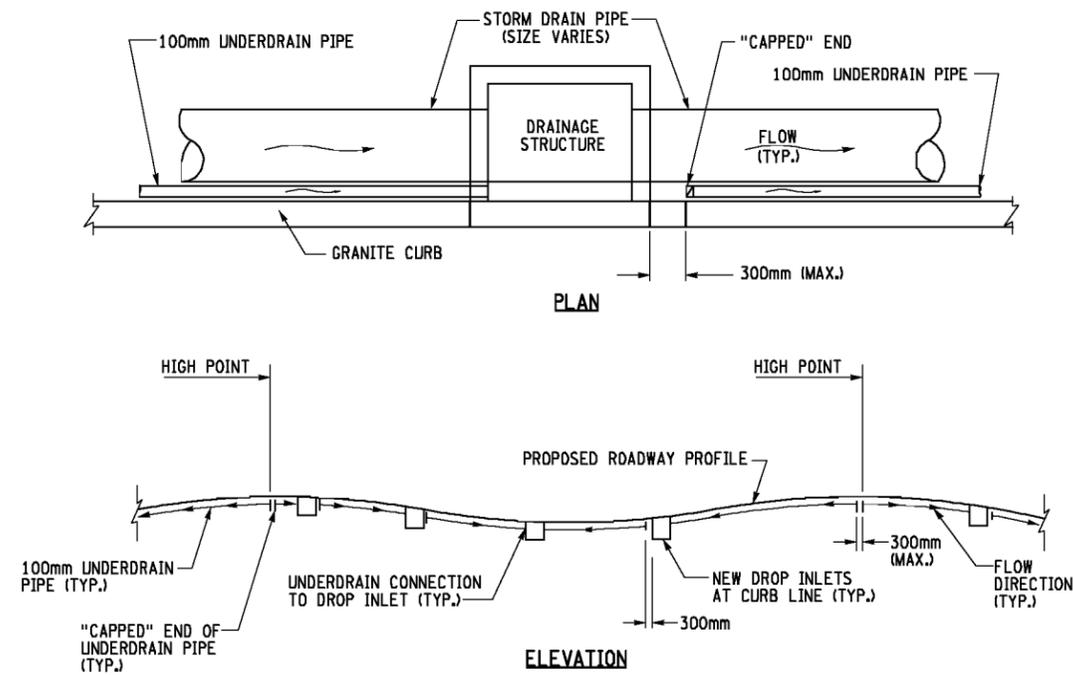
TYPICAL UTILITY ABANDONMENT

NOTES:
 N.T.S.
 1. COST OF PUMPING CONTROLLED BACKFILL MATERIAL INTO PIPES SHALL BE INCLUDED IN COST OF ITEM 204.01.
 2. DETAIL AS SHOWN SHALL BE USED IN BACKFILL WATER AND SEWER LINES TO LIMITS SHOWN IN TABLE.
 3. COST OF REMOVING PIPE, CAPPING END AND PROVIDING VENT HOLE INCLUDED IN ITEM 204.01.
 4. SEE UTILITY AND DRAINAGE PLANS FOR LOCATION OF EXISTING UTILITY LINES.
 5. WATER MAIN ENDS SHALL BE MJ CAP AND THRUST BLOCKED RESTRAINED.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026		PS&E DATE: 1/10/11			
CITY OF TROY						
N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66						
COUNTY: RENSSELAER		MISCELLANEOUS DETAILS	DRAWING NO. MD-1 SHEET NO. 76			
SIGNATURE _____	DATE _____	DOCUMENT NAME: 175339AA_MDT.DGN				

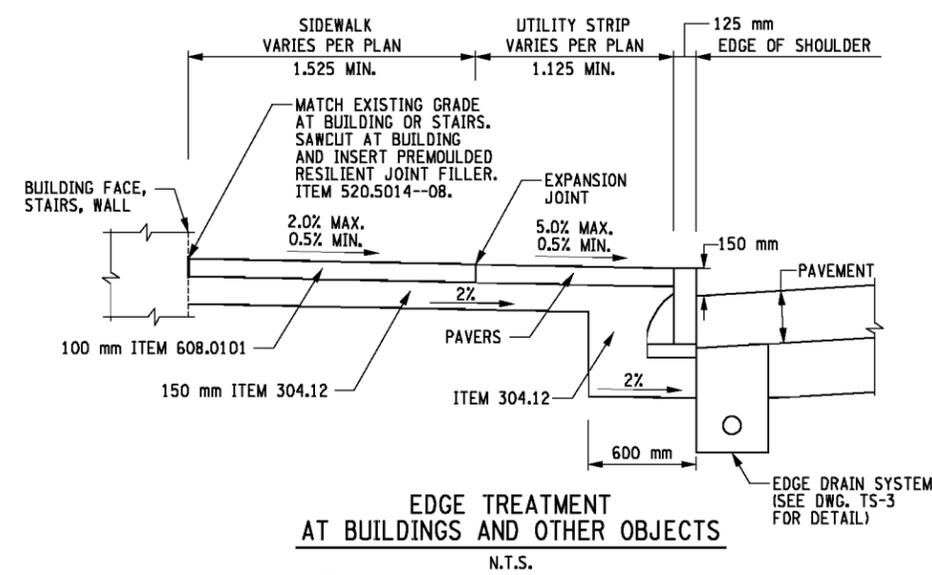
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 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI DESIGNED BY M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



STORM DRAIN AND EDGE DRAIN
N.T.S.

- NOTES:**
1. STORM DRAIN PIPES WHICH CONNECT THE DROP INLETS ARE NOT SHOWN FOR CLARITY.
 2. COST TO CONNECT UNDERDRAIN PIPE TO DROP INLETS INCLUDED IN THE COST OF UNDERDRAIN PIPE.
 3. MINIMUM GRADE ON ANY RUN OF UNDERDRAIN PIPE IS 1% UNLESS OTHERWISE APPROVED BY THE ENGINEER.



EDGE TREATMENT AT BUILDINGS AND OTHER OBJECTS
N.T.S.

- NOTE:**
1. SEE GENERAL PLANS FOR LOCATIONS.

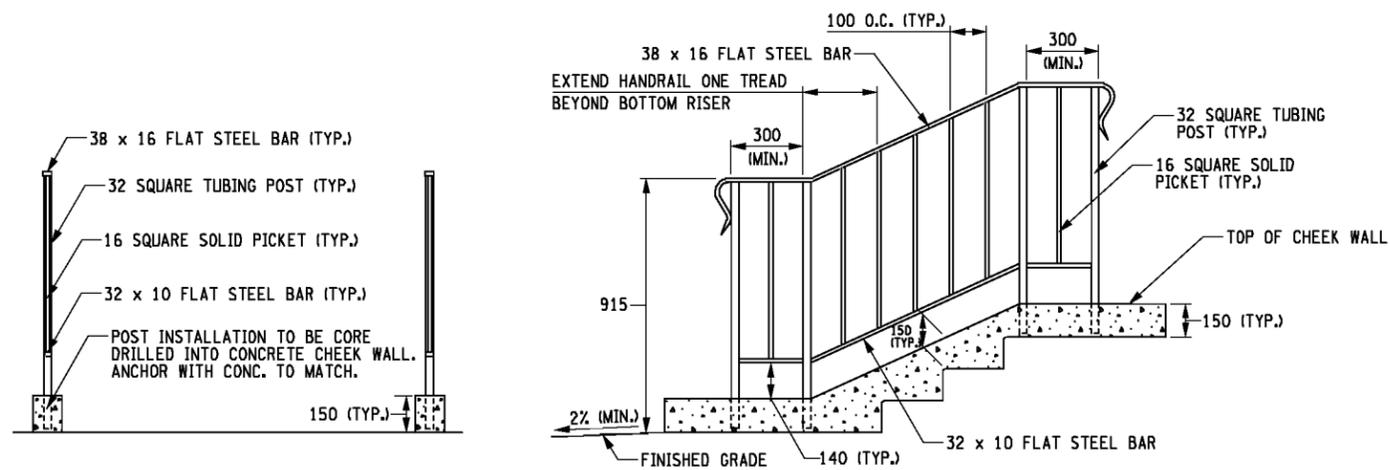


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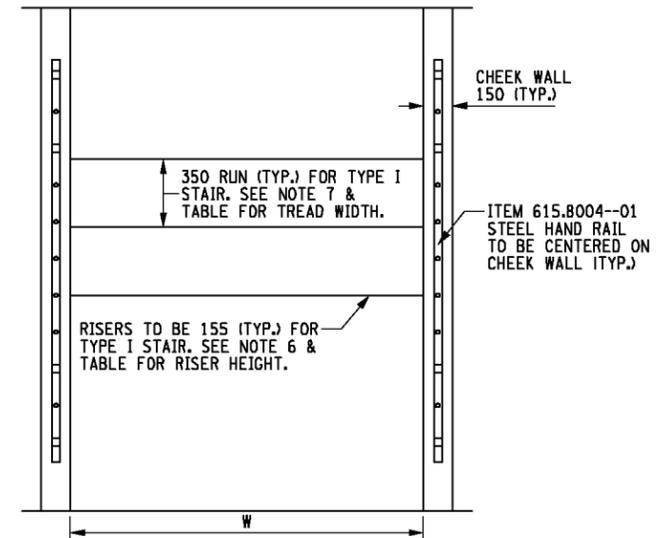
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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	DATE _____	CITY OF TROY			MISCELLANEOUS DETAILS	
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
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 USER = MJP

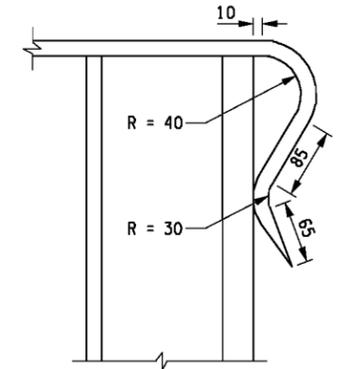
DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCZOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO CHECKED BY M. PSZENICZNY



ITEM 615.8004--01 STEEL HAND RAIL
N.T.S.



ITEM 615.66XX--06 REINFORCED CONCRETE STAIRS, X RISER UNIT
N.T.S.

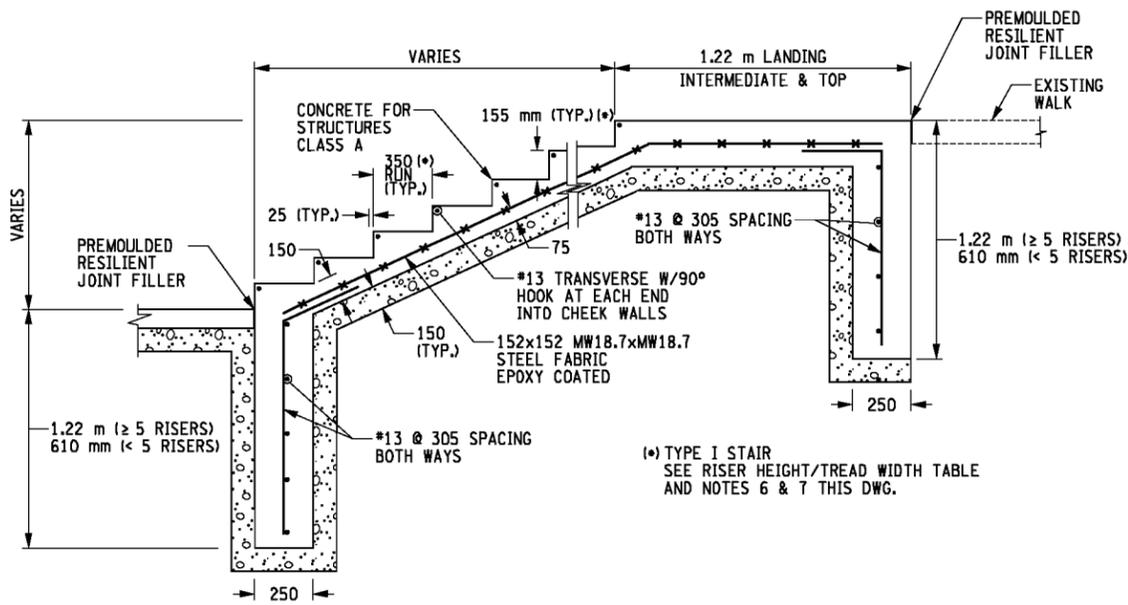


HAND RAIL DETAIL
N.T.S.

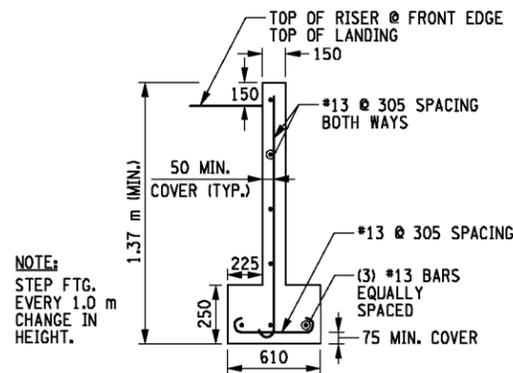
NOTES:

1. NUTS, WASHERS, BOLTS AND OTHER HAND RAIL AMENITIES SHALL BE INCLUDED UNDER ITEM 615.8004--01.
2. HAND RAILS AND STEPS SHALL CONFORM TO APPLICABLE UNIFORM FEDERAL ACCESSIBILITY STANDARDS.
3. STEEL HAND RAIL SHALL BE PAINTED WITH AN ALKYD PRIMER BASE COAT AND BLACK ENAMEL FINISH COAT. THE FINISH COAT PAINT SHALL CONTAIN A RUST INHIBITOR AND BOTH PAINTS SHALL CONFORM TO THE GENERAL REQUIREMENTS OF MATERIALS SPECIFICATIONS 708-01 OF NYS DOT STANDARD SPECIFICATIONS.
4. SEE MISC. TABLES (DWG. NO. MT-17) FOR TABLE OF STAIRS.
5. FOR STAIRS THAT RISE MORE THAN 3.6 m IN HEIGHT, A 1.219 m LANDING SHALL BE PROVIDED NEAR THE MIDPOINT OF THE RISE.
6. ALL RISERS PER STAIR SET MUST HAVE THE SAME HEIGHT. TYPICAL RISE FOR A TYPE I STAIR IS 155 mm, BUT MAY BE ADJUSTED FROM 135 mm MIN. TO 175 mm MAX. IF NEEDED FOR TOTAL RISE REQUIREMENTS. SEE RISER HEIGHT/TREAD WIDTH TABLE.
7. ALL STEPS IN A STAIR SET MUST HAVE THE SAME TREAD WIDTH. TYPICAL RUN FOR A TYPE I STAIR IS 350 mm, BUT MAY BE ADJUSTED FROM 310 mm MIN. TO 390 mm MAX. IF NEEDED FOR TOTAL RUN REQUIREMENTS. SEE RISER HEIGHT/TREAD WIDTH TABLE.
8. WHERE A SINGLE RISER IS REQUIRED, RISER SHALL BE PLACED IN FRONT OF EXISTING STAIR SET SUCH THAT THE RISE BETWEEN SIDEWALK AND TOP OF NEW RISER MAY DIFFER.

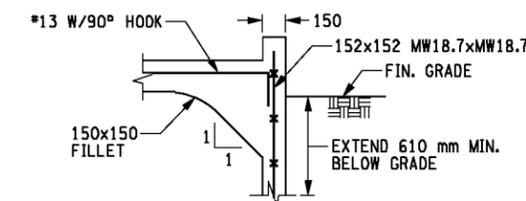
RISER HEIGHT/TREAD WIDTH TABLE		
RISER HEIGHT (mm)	TREAD WIDTH (mm)	STAIR TYPE
175	310	I
155	350	I
135	390	I
200	260	II



ALL BAR REINFORCEMENT TO BE EPOXY COATED.
STAIR ELEVATION
N.T.S.

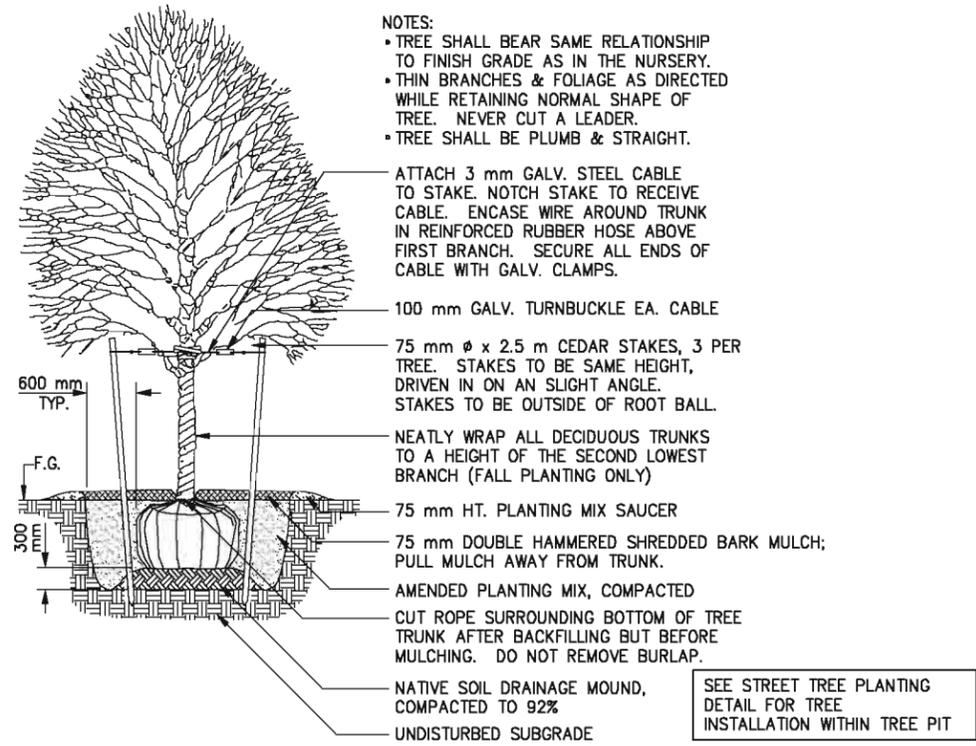


CHEEK WALL SECTION - 5 OR MORE RISERS
N.T.S.

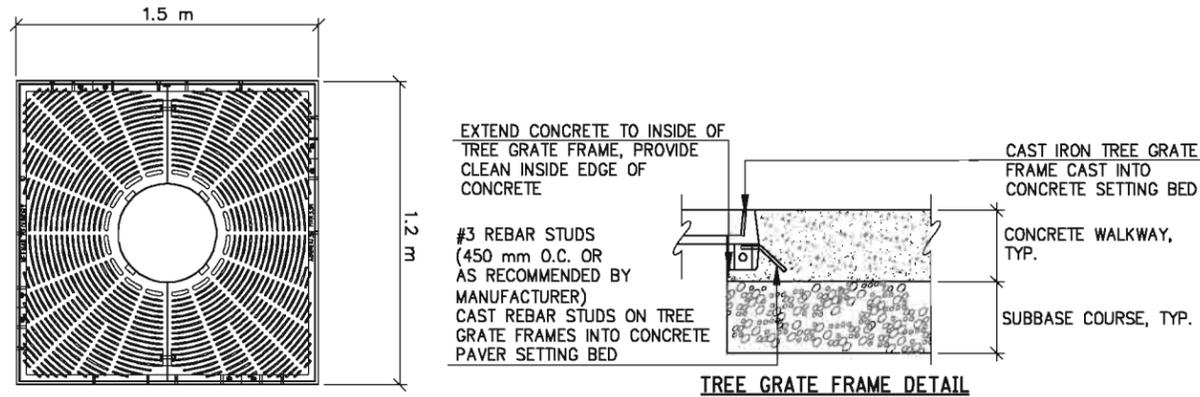


CHEEK WALL SECTION - 4 OR FEWER RISERS
N.T.S.

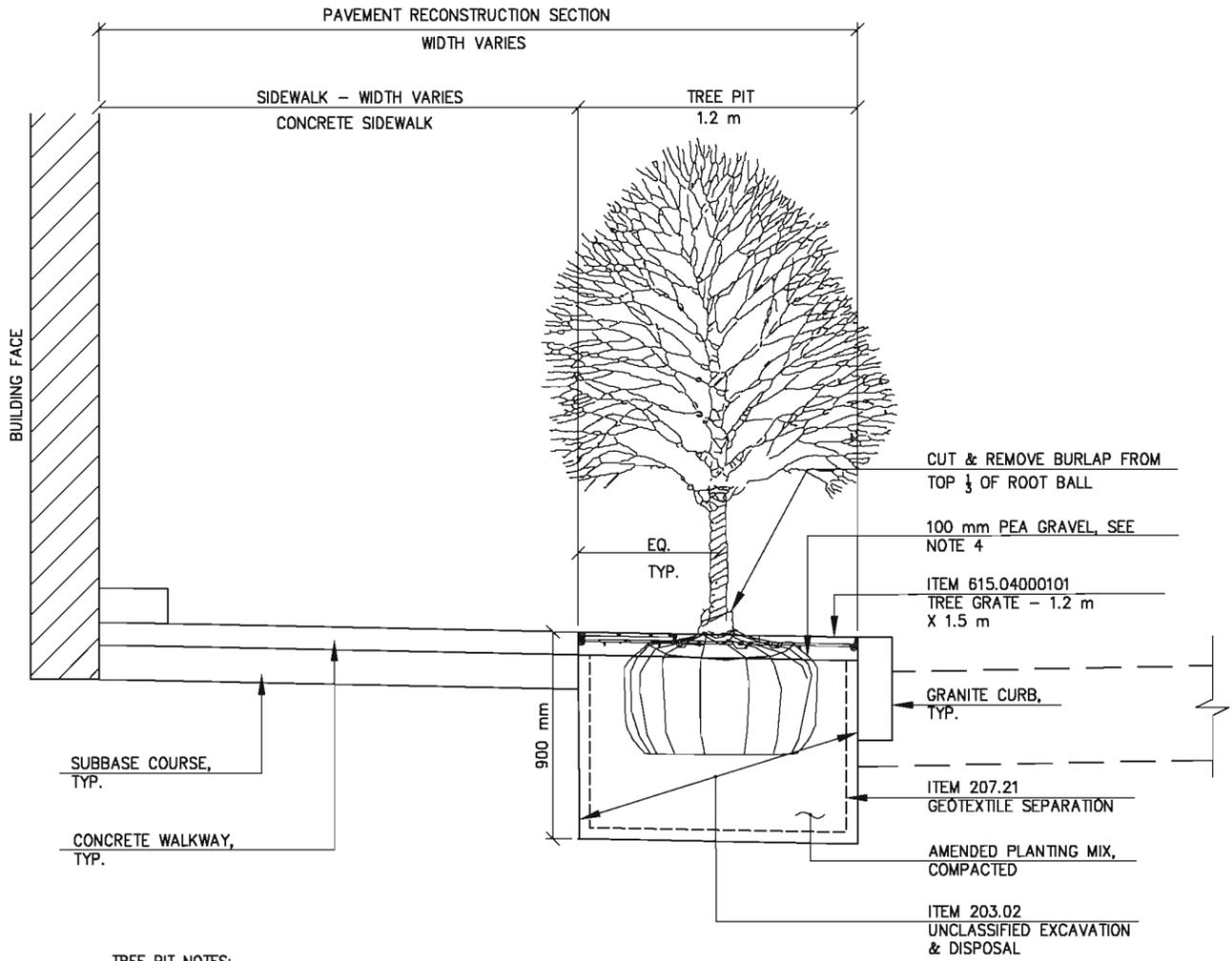
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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
	CITY OF TROY		MISCELLANEOUS DETAILS		DRAWING NO. MD-3 SHEET NO. 78	
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER	DOCUMENT NAME: 175339AC_MDT.DGN					



TYPICAL TREE PLANTING DETAIL (LAWN AREAS)
 N.T.S.



TREE GRATE 1.2 m X 1.5 m (ITEM 615.04000101)
 N.T.S.



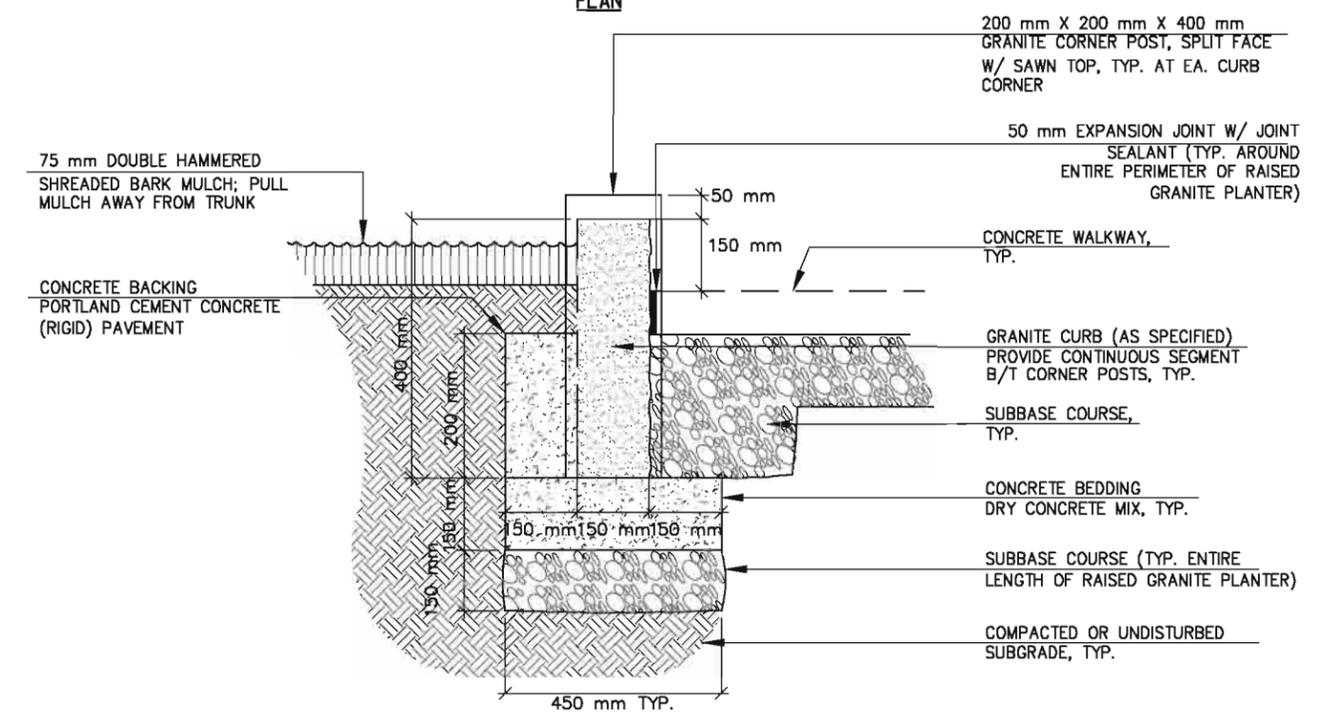
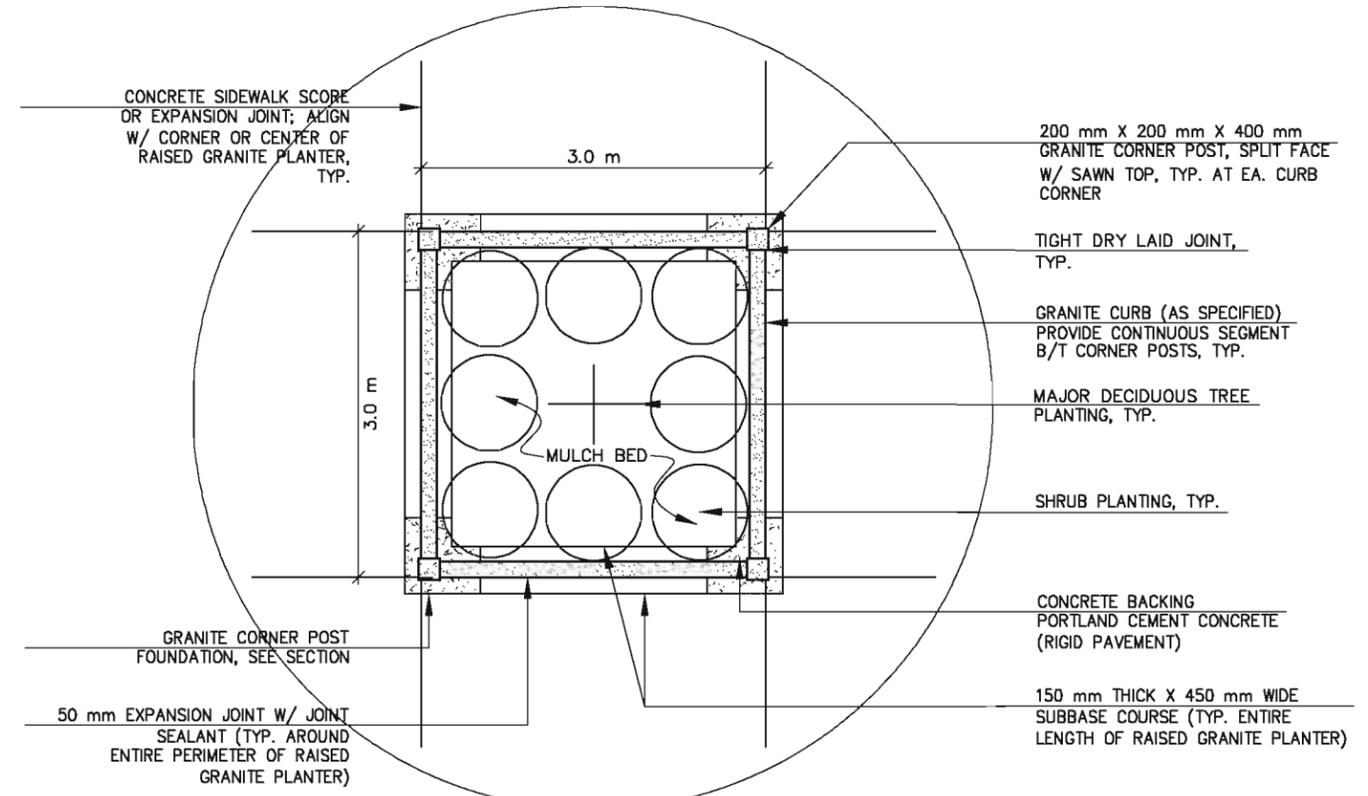
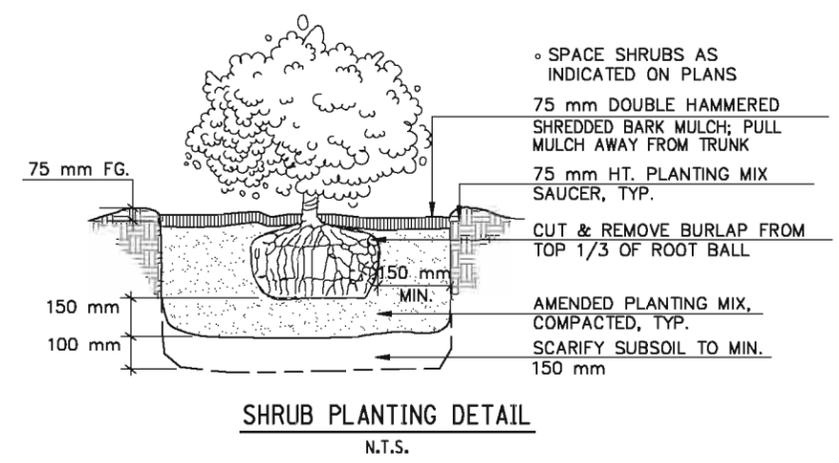
- TREE PIT NOTES:
1. REMOVE TOP 1/3 OF ALL BURLAP FABRIC AROUND ROOT BALL.
 2. TOP OF ROOT BALL SHALL BE PLACED 100± mm BELOW FINISHED GRADE OF SIDEWALK ELEVATION.
 3. PLANTING MIX SHALL CONSIST OF AMENDED TOPSOIL PER THE PROJECT SPECIFICATIONS.
 4. WASHED PEA GRAVEL SHALL BE NO LARGER THAN 50 mm IN SIZE & GREY IN COLOR, PLACED FROM THE TOP OF ROOT BALL TO 6 mm BELOW SIDEWALK GRADE.

TYPICAL STREET TREE PLANTING DETAIL
 N.T.S.

AS BUILT REVISIONS DESCRIPTION OF WORK: SIGNATURE _____ DATE _____	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				MISCELLANEOUS DETAILS	DRAWING NO. MD-4 SHEET NO. 79
COUNTY: RENSSELAER						
DOCUMENT NAME: 175339AD_MDT.DGN						

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 DATE/TIME = 1/7/2011
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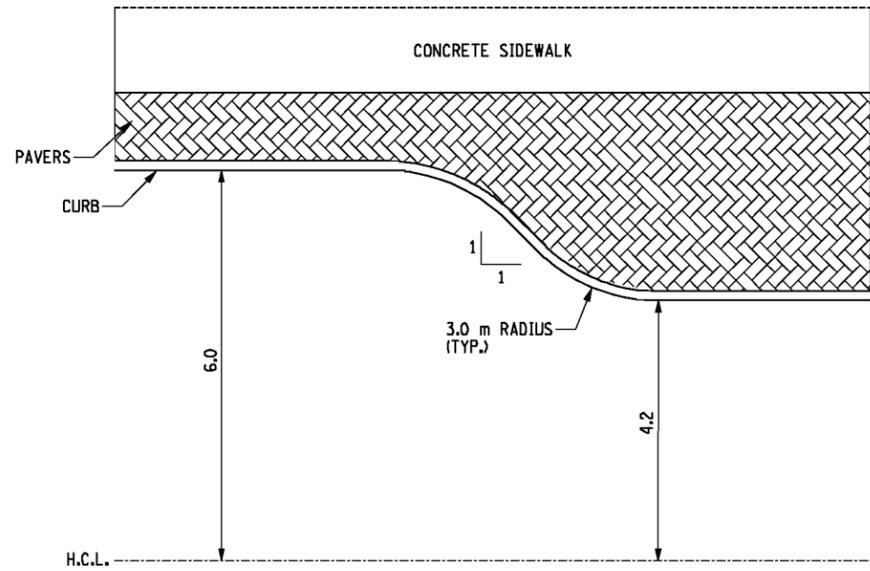
DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI DESIGNED BY M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



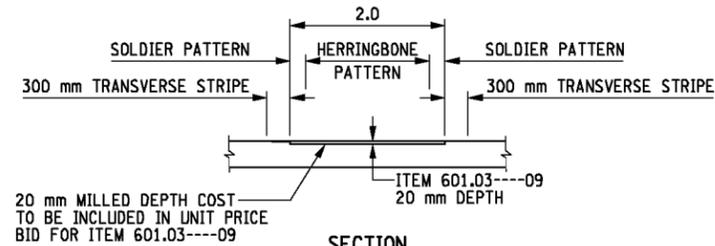
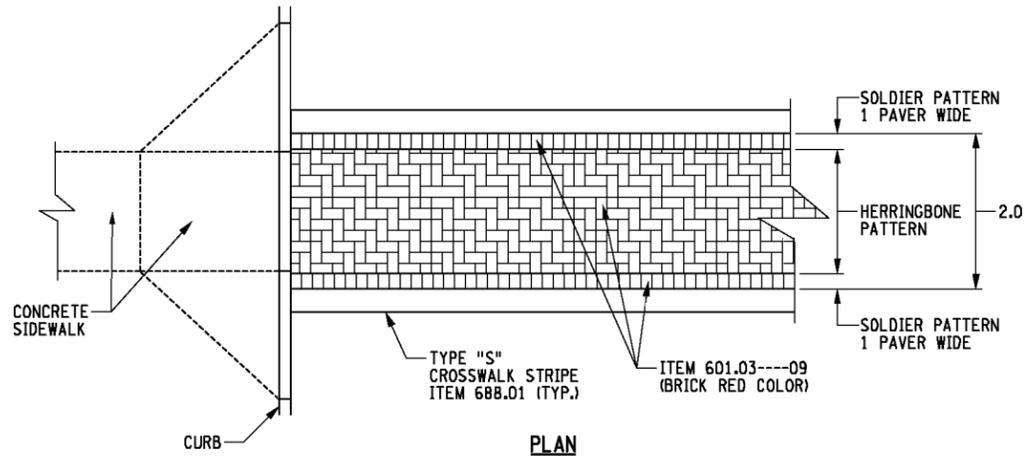
TYPICAL RAISED GRANITE PLANTER DETAIL
N.T.S.

Laberge Group
 ENGINEERING ARCHITECTURE SURVEYING PLANNING
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AS BUILT REVISIONS DESCRIPTION OF WORK: SIGNATURE _____ DATE _____	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER	DOCUMENT NAME: 175339AE_MDT.DGN				DRAWING NO. MD-5 SHEET NO. 80	

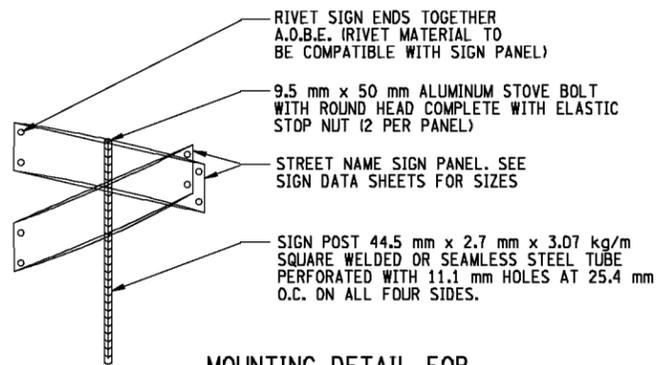


CURB ALIGNMENT TRANSITION DETAIL
N.T.S.

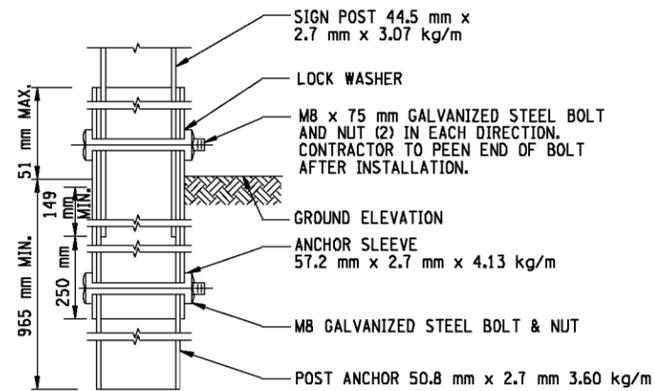


TYPICAL CROSSWALK DETAIL
N.T.S.

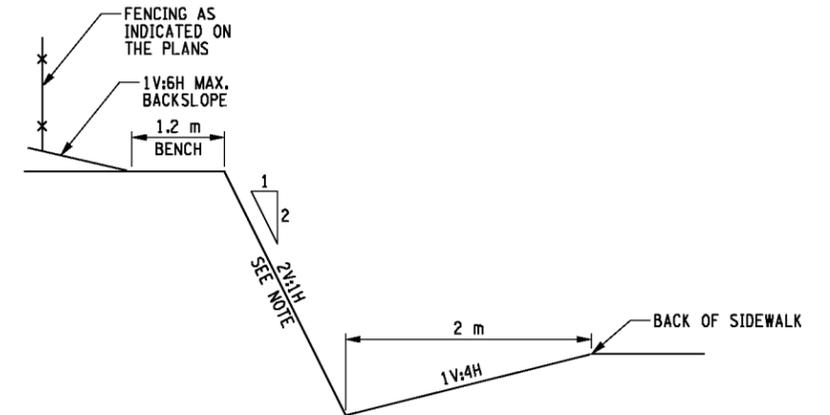
- NOTES:**
1. THE COLOR OF ITEM 601.03----09 SYNTHETIC ASPHALT WEARING SURFACE SHALL BE BRICK RED.
 2. UNDER ITEM 601.03----09, THE INSTALLED PATTERNS SHALL BE A HERRINGBONE PATTERN AND A RUNNING BOND PATTERN OR THEIR APPROVED EQUAL. THE HERRINGBONE PATTERN SHALL RUN AT A SPECIFIED ANGLE OF (45° OR 90°) TO THE CROSSWALK INSIDE OF THE SOLDIER PATTERN, AS SPECIFIED BY THE DETAIL AND/OR AS DIRECTED BY THE ENGINEER.



MOUNTING DETAIL FOR STREET NAME SIGN
N.T.S.



DETAIL FOR STREET NAME SIGN POST
N.T.S.



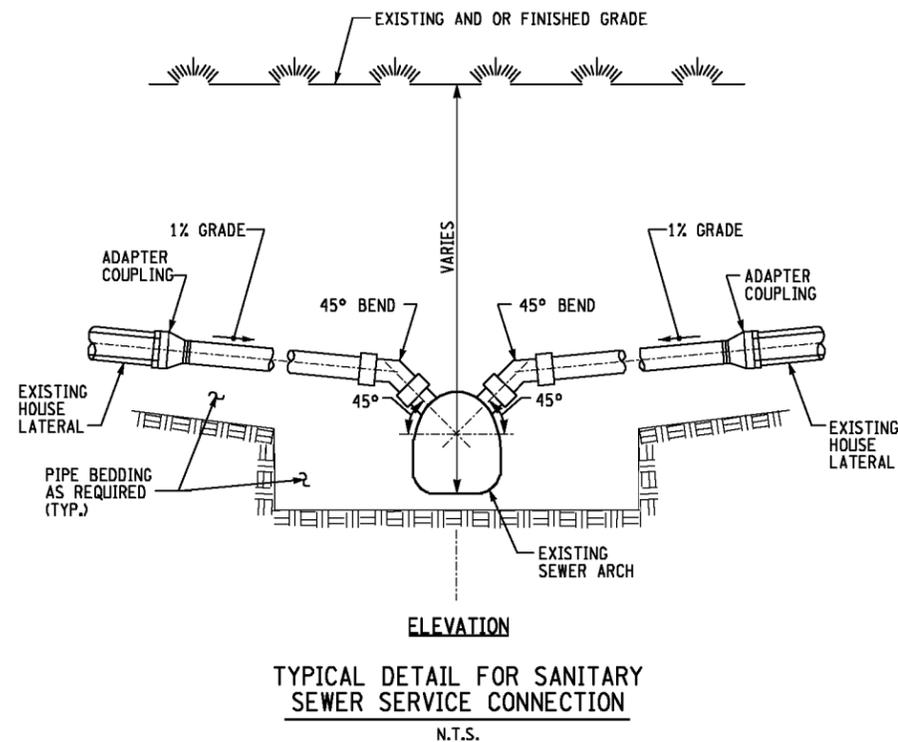
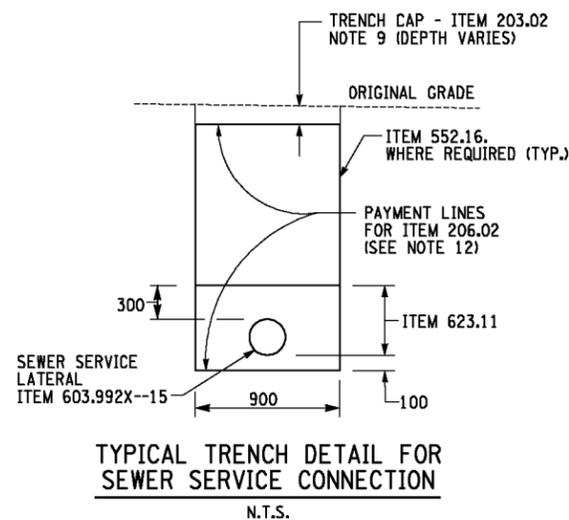
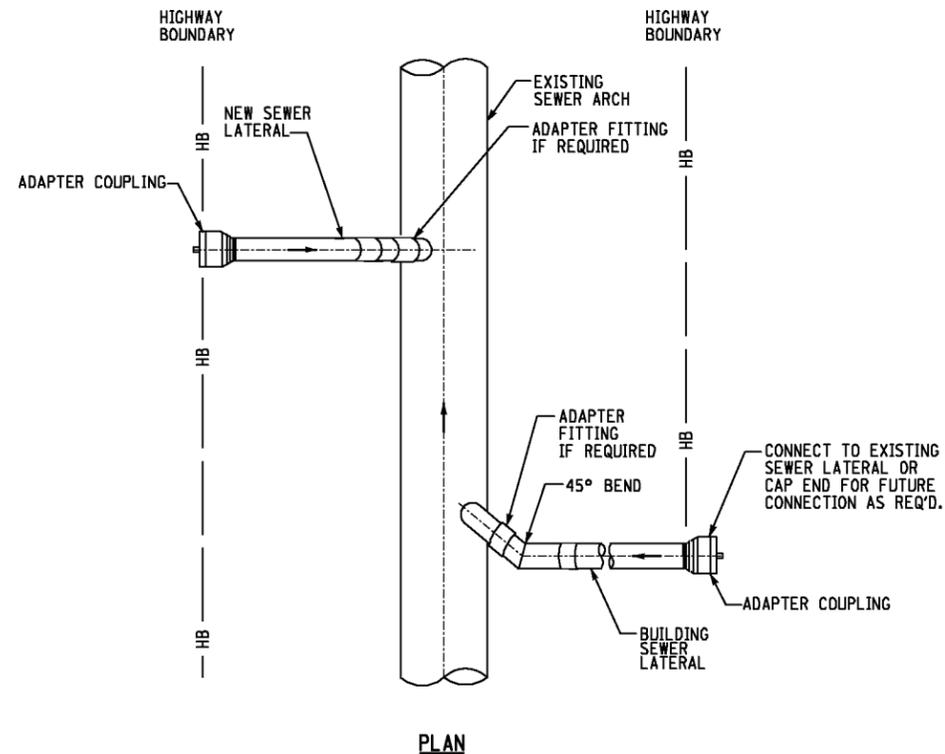
ROCK SLOPE DETAIL
STA. CO 1+748 LT TO STA. CO 1+775 LT
N.T.S.

NOTE:
ROCK SLOPE SHALL BE PRESPLIT USING MECHANICAL MEANS IF POSSIBLE. BLASTING MAY BE AN OPTION IF MECHANICAL SPLITTING ISN'T FEASIBLE, BUT IT MUST FIRST BE APPROVED BY THE CITY AND THE CITY'S BLASTING PROTOCOL MUST BE ADHERED TO.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY	MISCELLANEOUS DETAILS		DRAWING NO. MD-6 SHEET NO. B1	
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AF_MDT.DGN				

GENERAL SANITARY SEWER NOTES:

1. ALL MINIMUM DISTANCES, DESIGNS, MATERIALS, CONSTRUCTION, AND INSPECTION REQUIREMENTS SHALL COMPLY WITH THE LATEST EDITION OF THE GREAT LAKES UPPER MISSISSIPPI RIVER BOARD OF STATE SANITARY ENGINEERS PUBLICATION "RECOMMENDED STANDARDS FOR SEWERAGE WORKERS" AND ALL REQUIREMENTS AS SET FORTH BY THE RENSSELAER COUNTY HEALTH DEPARTMENT (NYSHD) AND THE OWNER.
2. THERE SHALL BE NO CHANGES ON THESE PLANS UNLESS FIRST APPROVED BY THE DESIGN ENGINEER, THE RENSSELAER COUNTY DEPT. OF HEALTH AND THE OWNER.
3. NO WATER DEVELOPED BY FOOTING DRAINS, SUMP PUMPS, WATER SOFTENER BACKWASH, ETC. SHALL BE DISCHARGED TO THE SANITARY SEWER.
4. ALL INSTALLATION OF SANITARY SEWER CONNECTIONS SHALL BE SUBJECT TO THE CONTROL AND APPROVAL OF THE OWNER.
5. ALL PIPING SHALL BE AS CALLED FOR ON THE PLANS AND IN CONFORMANCE WITH THE SPECIFICATIONS.
6. NO CONNECTION SHALL BE MADE INTO THE MAIN PUBLIC SEWER EXCEPT IN THE PRESENCE OF A REPRESENTATIVE OF THE OWNER. ALL BENDS/FITTINGS AND ADAPTORS SHALL BE PROVIDED UNDER ITEM 603.992X--15.
7. WHEN THE BUILDING SEWER CONNECTION IS INSTALLED AND COMPLETED, BUT PRIOR TO REFILLING THE TRENCH, THE CONTRACTOR SHALL NOTIFY THE OWNER SO THAT THE INSTALLATION CAN BE INSPECTED AND APPROVED BEFORE BACKFILLING. TRENCHES REFILLED PRIOR TO INSPECTION WILL HAVE TO BE REOPENED BY THE CONTRACTOR AT THEIR EXPENSE.
8. DEFLECTION TESTS SHALL BE PERFORMED BY THE CONTRACTOR ON ALL PVC SEWER PIPE. THE TEST SHALL BE CONDUCTED AFTER THE BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. THE SEWER PIPE SHALL BE CLEANED JUST PRIOR TO THE TEST.
9. THE TRENCH "CAP" TO BE PLACED SHALL CONSIST OF ONE OF THE FOLLOWING:
 - A. TEMPORARY MULCHING IN ANY GRASSED AREAS, ITEM 209.1001.
 - B. ASPHALT CONCRETE DRIVEWAY COURSE IN ASPHALT DRIVEWAYS AT 65mm DEPTH FOR RESIDENTIAL DRIVES AND 150mm DEPTH FOR COMMERCIAL DRIVES.
 - C. 100mm OF ASPHALT CONCRETE BINDER COURSE IN ANY PAVEMENT AREAS WHICH HAVE NOT YET BEEN RECONSTRUCTED PER THE TYPICAL SECTIONS (ITEM 619.01).
 - D. FULL DEPTH ASPHALT CONCRETE PAVEMENT AND SUBBASE COURSE PER TYPICAL SECTIONS IN AREAS BEING CONSTRUCTED CONCURRENTLY WITH THE NEW ROADWAY.
 - E. CONCRETE AS PER ITEM 608.0101 IN ANY NEW SIDEWALK AT 100mm OR 150mm DEPTH. 65mm OF ASPHALT CONCRETE IN ANY SIDEWALK AREAS NOT YET RECONSTRUCTED (ITEM 619.01).
10. TEST PITS AS REQUIRED TO DETERMINE EXISTING UTILITY LOCATIONS AND CONDITIONS, WILL BE PAID UNDER ITEM 206.05.
11. SANITARY SEWER LATERALS FOUND TO BE IN CONFLICT WITH SUBSURFACE IMPROVEMENTS SHALL BE RELOCATED A.O.B.E. PAYMENT SHALL BE MADE UNDER ITEM 603.992X--15 - POLYVINYL CHLORIDE GRAVITY SEWER PIPE.
12. TRENCH SHALL BE LAID BACK TO MEET OSHA REQUIREMENTS. PAYMENT LINES FOR ITEM 206.02 SHALL BE AS SHOWN.



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DATE/TIME = 1/7/2011
USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026		PS&E DATE: 1/10/11			
SIGNATURE _____	DATE _____	CITY OF TROY	TROY		SANITARY SEWER DETAILS	DRAWING NO. MD-7 SHEET NO. B2
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AG_MDT.DGN				

GENERAL NOTES:

1. ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH NEW YORK STATE STANDARD SHEETS M680-1 THROUGH M680-17 INCLUSIVE, AS APPLICABLE, EXCEPT AS MODIFIED BELOW OR IN THE CONTRACT PLANS.
2. WHERE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) SPECIFICATION EQUIPMENT IS TO BE INSTALLED, SUCH EQUIPMENT SHALL MEET ALL REQUIREMENTS OF NEMA SPECIFICATION NUMBER TSI-1989 AS AMENDED.
3. UPON COMPLETION OF WORK AT EACH INTERSECTION, CITY OF TROY MAINTENANCE PERSONNEL WILL PERFORM AN INSPECTION OF THE SIGNAL SYSTEM. AT THE TIME OF THE INSPECTION, THE CONTRACTOR SHALL UNBAG THE NEW SIGNAL HEADS AND SHALL PROVIDE ACCESS TO ALL PULLBOXES FOR INSPECTION PURPOSES. THE CONTRACTOR WILL BE NOTIFIED OF ANY DEFECTS FOUND DURING THE INSPECTION AND SHALL MAKE THE NECESSARY CORRECTIONS FOR THE SIGNAL SYSTEM TO BE ACCEPTED. THE CONTRACTOR SHALL PROVIDE SUFFICIENT PERSONNEL AND TRAFFIC CONTROL DEVICES TO SAFELY MAINTAIN TRAFFIC THROUGH THE INTERSECTION WHILE THE INSPECTION IS BEING PERFORMED. THE CONTRACTOR SHALL REBAG THE SIGNAL HEADS SHOULD THE INSPECTION FAIL. THE CONTRACTOR SHALL MAINTAIN EACH SIGNAL IN CONTINUOUS OPERATION AS SPECIFIED BY THE TABLE OF OPERATIONS FOR 30 DAYS BEFORE SEEKING FINAL ACCEPTANCE.
4. THE TROY CITY ENGINEER WILL DETERMINE THE HOURS DURING WHICH LANES MAY BE CLOSED TO INSTALL TRAFFIC SIGNALS. THE ENGINEER WILL COORDINATE THE TIME RESTRICTION SCHEDULE WITH THE CITY ENGINEER AT LEAST ONE WEEK PRIOR TO COMMENCING WORK.
5. THE CONTRACTOR SHALL INSTALL CONSTRUCTION SIGNS ON ALL LEGS OF AN INTERSECTION PRIOR TO WORKING AT THAT INTERSECTION. THE SIGNS SHALL CONFORM TO MUTCD AND THE TRAFFIC CONTROL PLAN.
6. THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN AN EXISTING TRAFFIC SIGNAL SHALL INCLUDE MAINTAINING VEHICLE DETECTORS ON A VEHICLE ACTUATED INSTALLATION. IF A VEHICLE DETECTOR BECOMES INOPERATIVE, THE CONTRACTOR SHALL REPAIR IT, REPLACE IT, OR IF A NEW COMPATIBLE DETECTOR IS CALLED FOR IN THE PLANS, THE CONTRACTOR MAY, WITH THE PERMISSION OF THE CITY ENGINEER, CONNECT THE NEW DETECTOR INTO THE EXISTING SYSTEM.
7. UNLESS OTHERWISE NOTED, THE CITY OF TROY WILL HAVE MAINTENANCE JURISDICTION OVER ALL SIGNALS IN THIS CONTRACT UPON COMPLETION OF THEIR INSTALLATION AND OFFICIAL ACCEPTANCE.
8. ALL SIGNAL IMPROVEMENTS SHOWN ON THE PLANS, INCLUDING LANE DESIGNATION SIGNS, TURNING LANES, CHANNELIZATION, PAVEMENT MARKINGS, ETC. SHALL BE IN PLACE BEFORE THE NEW SIGNAL SYSTEM IS PLACED INTO OPERATION. THE CONTRACTOR SHALL WORK WITH THE CITY ENGINEER TO COORDINATE THESE OPERATIONS.
9. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY THAT WILL BE SUPPLYING POWER TO TRAFFIC SIGNAL EQUIPMENT AT EACH INTERSECTION. THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE NEW YORK BOARD OF FIRE UNDERWRITERS IN THEIR SIGNAL INSTALLATIONS AND EACH INSTALLATION MUST PASS A FIRE UNDERWRITERS INSPECTION BEFORE SERVICE CONNECTION WILL BE MADE BY THE UTILITY COMPANY. THE COST OF THIS INSPECTION SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS TRAFFIC SIGNAL ITEMS.
10. THE LOCATIONS OF ALL UNDERGROUND OBJECTS HAVE NOT BEEN SHOWN ON THE PLANS. THE CONTRACTOR SHALL DETERMINE THE EXISTING CONDITIONS AND SUPPORT AND PROTECT ALL LINES ENCOUNTERED IN THE TRENCHING AND EXCAVATION OPERATIONS.
11. IF IT IS DISCOVERED THAT THE MINIMUM CLEARANCES FROM PRIMARY AND/OR SECONDARY POWER CONDUCTORS, AS REQUIRED BY SECTION 23 OF THE NATIONAL ELECTRICAL SAFETY CODE (ANSI STANDARD C2-1997) AND LOCAL UTILITY CODES CANNOT BE ACHIEVED, THE UTILITY COMPANY OWNING SUCH CONDUCTORS SHALL BE NOTIFIED IN WRITING BY THE CONTRACTOR. NO FURTHER WORK SHALL BE DONE UNTIL SAID POWER LINES HAVE BEEN RELOCATED TO PROVIDE THE PROPER CLEARANCES.
12. UNDER NO CONDITION SHALL THE CONTRACTOR MAKE THE SERVICE CONNECTION. ALL SERVICE CONNECTIONS SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANY.
13. WHERE UNFORESEEN UNDERGROUND UTILITIES MAKE IT NECESSARY TO RELOCATE SIGNAL POLES MORE THAN 1.5 m FROM THE LOCATIONS SHOWN ON THE CONTRACT PLANS, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AND SEEK ALTERNATE LOCATIONS FROM THE DESIGNERS.
14. ALL POLE BASES SHALL HAVE ONE UNUSED CONDUIT IN THE BASE. THIS CONDUIT SHALL BE RUN TO THE NEAREST PULL BOX.
15. WHERE ONE CONDUIT IS TOO SMALL TO PERMIT THE PASSAGE OF THE REQUIRED SIGNAL WIRING, TWO OR MORE CONDUITS SHALL BE USED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE NUMBER OF CONDUITS NEEDED.
16. INDIVIDUAL LENGTHS OF GALVANIZED STEEL CONDUIT SHALL BE CONNECTED TOGETHER WITH THREADED GALVANIZED STEEL COUPLINGS. SLIP-FIT TYPE COUPLINGS MAY ONLY BE USED BETWEEN INDIVIDUAL BRIDGE SPANS OR BETWEEN A BRIDGE SPAN AND AN ABUTMENT TO ALLOW FOR THERMAL EXPANSION AND CONTRACTION OF THE INDIVIDUAL PARTS OF THE BRIDGE.
17. WHERE INDUCTANCE LOOPS ARE TO BE INSTALLED, 1-1/4 NPS RIGID STEEL CONDUIT SHALL BE INSTALLED FROM THE SIGNAL PULL BOX TO THE CAST ALUMINUM JUNCTION BOX (TO BE INSTALLED IN THE ROADWAY ADJACENT TO THE LOOP). ALL LOOPS SHALL BE INSTALLED IN THE BINDER COURSE PRIOR TO APPLICATION OF WEARING SURFACE.
18. LEAD-INS FROM ALL TRAFFIC SIGNAL DETECTORS SHALL BE TAGGED OR DIAGRAMMED IN THE CONTROLLER CABINET TO IDENTIFY THE DETECTOR THAT THEY SERVE.

19. WHERE SOUND BEDROCK IS ENCOUNTERED DURING POLE EXCAVATION OPERATIONS AND THE DEPTH OF SOIL OVER THE ROCK IS 1/3 OR LESS THAN THE "MINIMUM EMBEDMENT" LENGTH GIVEN IN THE TABLE ON STANDARD SHEET M680-13R1, THE NEW FOOTING LENGTH MAY BE DECREASED SO AS TO PROVIDE AN EMBEDMENT INTO THE ROCK EQUAL TO THE FOOTING DIAMETER PLUS 600 mm. FOR DEEPER OVERBURDENS, THE FOOTING LENGTH MAY BE DECREASED TO PROVIDE AN EMBEDMENT INTO THE ROCK EQUAL TO THE FOOTING DIAMETER. IF THE RESULTING DEPTH IS LESS THAN THE LENGTH OF THE ANCHOR BOLTS, THE CONTRACTOR SHALL DRILL INTO THE ROCK TO THE LENGTH OF THE ANCHOR BOLTS PLUS 150 mm (AS MEASURED FROM THE GROUND SURFACE) AND SHALL ANCHOR THE BOLTS INTO THE ROCK WITH AN APPROVED ADHESIVE ANCHORING SYSTEM.
20. FOR NEW SIGNAL POLE INSTALLATIONS, THE CONCRETE POLE FOUNDATION SHALL CURE FOR A MINIMUM OF 7 DAYS BEFORE THE SIGNAL POLE IS ERECTED, AND FOR A MINIMUM OF 14 DAYS BEFORE THE SPAN WIRE AND SIGNAL HEADS ARE INSTALLED.
21. ALL ANCHOR BASE TRAFFIC SIGNAL SPAN WIRE, MAST ARM AND PEDESTRIAN SIGNAL HEAD POLES SHALL BE EQUIPPED WITH ANCHOR BOLT COVERS.
22. ALL POLES SHALL BE EQUIPPED WITH A GROUNDING TERMINAL LOCATED ON THE OPPOSITE SIDE OF THE POLE FROM THE HANDHOLE. GROUNDING TERMINALS LOCATED ADJACENT TO THE HANDHOLE ARE UNACCEPTABLE.
23. ALL TRAFFIC SIGNAL POLES SHALL BE INSTALLED SUCH THAT THE POLES SHALL HAVE A MINIMUM RATE OF 1/4 OF THE DIAMETER OF THE SIGNAL POLE MEASURED AT ITS BASE AFTER LOADING.
24. ALL HOLES FOR L.B. CONDULETS, THIMBLEBOLTS AND POLE-MOUNTED SIGNAL AND/OR PEDESTRIAN HEADS SHALL BE DRILLED. THE USE OF CUTTING TORCHES IS NOT PERMITTED UNLESS WRITTEN PERMISSION IS GRANTED IN ADVANCE BY THE CITY ENGINEER.
25. THIMBLEBOLTS SHALL BE USED INSTEAD OF THE EYEBOLTS SPECIFIED ON THE STANDARD SHEETS. THE THIMBLEBOLTS USED SHALL BE 3/4 NPS AND SHALL HAVE A BREAKING STRENGTH NOT LESS THAN THE BREAKING STRENGTH OF THE SPAN WIRE USED (SEE NOTE 6 ON STANDARD SHEET M680-11).
26. TRAFFIC SIGNAL POLE WEATHERHEADS SHALL BE INSTALLED A MINIMUM OF 450 mm ABOVE THE ACTUAL SPAN WIRE ATTACHMENT POINT.
27. WHERE SIGNAL CABLE IS INSTALLED ON SPAN WIRE OR MESSENGER CABLE, IT SHALL BE SUPPORTED AT INTERVALS NOT GREATER THAN 380 mm BY COPPERWELD (COPPER COVERED STEEL) CABLE RINGS APPROVED BY THE ENGINEER. STEEL OR PLASTIC CABLE BANDS OR TAPE SHALL NOT BE USED.
28. POWER SHALL BE SUPPLIED TO THE SIGNALS VIA A 1 NPS STEEL CONDUIT TO BE PAID UNDER ITEM 680.520103 - CONDUIT, METAL STEEL, ZINC COATED, 1 NPS. THE UNIT PRICE BID SHALL INCLUDE THE COST OF INSTALLING THE CONDUIT AND WEATHERHEAD AS WELL AS THE COST OF ATTACHING THE METER SOCKET (TO BE FURNISHED UNDER ITEM 680.9092--01) TO THE SIGNAL POLE AS SHOWN IN THE ELECTRIC SERVICE DETAILS).
29. ALL NEW AND EXISTING SIGNAL SYSTEMS TO BE UPDATED WITH NEW SIGNAL CONTROLLERS SHALL BE EQUIPPED WITH A RAIN-TIGHT DISCONNECT BOX (ITEM 680.94----15) WHICH SHALL BE INSTALLED BETWEEN THE METER SOCKET AND THE CONTROLLER. THE SERVICE CABLE SHALL RUN FROM THE CHASE NIPPLE IN THE BACK OF THE DISCONNECT BOX INTO THE SIGNAL POLE AND THEN THROUGH THE LARGE L.B. CONDULET INTO THE CONTROLLER CABINET.
30. THE LOCATION AND ORIENTATION OF THE POLE MOUNTED CONTROLLER CABINET SHALL BE BASED ON THE FOLLOWING:
 - A. PROVIDING SAFE ACCESS TO THE CONTROLLER FROM WITHIN THE RIGHT OF WAY.
 - B. PROVIDING PROTECTION TO THE CONTROLLER FROM SNOWPLOWS AND ERRANT VEHICLES.
 - C. PREVENTING THE CONTROLLER FROM OVERHANGING THE SIDEWALK OR PRESENTING A HAZARD TO PEDESTRIANS.
 - D. PROVIDING VISIBILITY OF THE SIGNAL HEADS DURING MAINTENANCE OPERATIONS.
 THE CABINET SHALL BE INSTALLED SO THAT THE BOTTOM OF THE CABINET IS 450 mm ABOVE THE STANDING PAD.
31. EACH PHASE SHALL HAVE ITS OWN GROUND WIRE.
32. A CARD SHALL BE PLACED ON THE INSIDE DOOR OF EACH CONTROLLER CABINET LISTING ALL THE COMPONENT PARTS BY SERIAL NUMBER, THE DATE OF INSTALLATION AND THE DATE OF OFFICIAL OPERATION.
33. THE CONTRACTOR SHALL INSTALL BALANCE ADJUSTERS AND SWIVEL BALANCERS AT EACH SIGNAL HEAD ASSEMBLY.
34. ON ALL SIGNAL HEAD ASSEMBLIES, ALL FEMALE THREADED CONNECTING HARDWARE SHALL HAVE TWO SET SCREWS AND ALL THREADED PIPE NIPPLES SHALL HAVE TAPERED THREADS.
35. WHEREVER 5-SECTION CLUSTERS ARE REQUIRED ON 300 mm SIGNAL ASSEMBLIES, THE 5-SECTION CLUSTERS SHALL BE ASSEMBLED USING 2-WAY UPPER AND LOWER TRI-STUD ARM ASSEMBLIES, A TRI-STUD HARDWARE KIT AND EITHER A) A 1 1/2 NPS TO TRI-STUD ADAPTER FOR A 1-WAY TRAFFIC SIGNAL BRACKET OR B) A TRI-STUD TEE WITH THE TRI-STUD LOCATED ON THE STEM OF THE TEE FOR A 5-SECTION CLUSTER THAT IS PART OF A MULTI-WAY 300 mm SIGNAL BRACKET ASSEMBLY. THE UNIT PRICE BID FOR 1-WAY OR MULTI-WAY TRAFFIC SIGNAL HEAD BRACKET ASSEMBLIES SHALL INCLUDE THE COST OF THE TRI-STUD HARDWARE.
36. THE BOTTOMS OF ALL TRAFFIC SIGNAL HEADS SHALL BE LOCATED AT LEAST 5 m ABOVE THE PAVEMENT SURFACE.
37. ALL SPAN WIRE CONNECTIONS TO THE SIGNAL HEADS SHALL BE MADE DIRECTLY TO THE TERMINAL BLOCK(S) INSIDE OF EACH SIGNAL HEAD ASSEMBLY. PIGTAILS AND EXPOSED SPLICES SHALL NOT BE PERMITTED. WHERE TWO SIGNAL HEADS ARE TO BE WIRED FROM THE SAME CABLE, THE SIGNALS SHALL BE DAISY CHAINED WITH ONE LENGTH OF WIRE RUNNING FROM THE CONTROLLER TO THE FIRST SIGNAL'S WEATHERHEAD AND A SECOND LENGTH LEAVING THIS WEATHERHEAD AND RUNNING TO THE OTHER SIGNAL'S WEATHERHEAD.
38. ONCE TRAFFIC SIGNAL HEAD ASSEMBLIES HAVE BEEN INSTALLED AND ADJUSTED IN THE FIELD TO THE SATISFACTION OF CITY MAINTENANCE PERSONNEL, THE CONTRACTOR SHALL APPLY A BEAD OF SILICONE SEALANT AROUND THE SERRATED LOCK RING AT ALL LOCATIONS WHERE VERTICAL PIPE NIPPLES ARE ATTACHED TO THE TOP SURFACE OF BOTH TRAFFIC SIGNAL SECTIONS AND PIPE CROSS BODIES TO PREVENT WATER INFILTRATION INTO THE SIGNAL ASSEMBLY.

39. UNLESS OTHERWISE NOTED, ALL TRAFFIC SIGNAL HEADS, STEEL ANCHOR BASE SIGNAL POLES, MAGNETIC DETECTOR PROBES, MICROWAVE DETECTORS, PULLBOX FRAMES AND COVERS AND CONTROLLER CABINETS WHICH ARE TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CITY OF TROY. THE CONTRACTOR SHALL DELIVER THIS EQUIPMENT TO THE CITY OF TROY MAINTENANCE DEPARTMENT WITHIN TWO WEEKS OF SIGNAL ACCEPTANCE BY THE CITY. ALL OTHER MATERIALS AND EQUIPMENT SHALL BE DISPOSED OF AND THE SURROUNDING AREA SHALL BE RESTORED BY THE CONTRACTOR WITHIN FOUR WEEKS OF SIGNAL ACCEPTANCE FOR EACH SIGNAL LOCATION.
40. ALL SIGNAL POLES TO BE REMOVED SHALL BE REMOVED AS DESCRIBED BELOW UNLESS OTHERWISE ORDERED BY THE ENGINEER:
 - A. EMBEDDED POLES SHALL BE CUT OFF A MINIMUM OF 150 mm BELOW GRADE.
 - B. ANCHOR BASE POLES SHALL BE REMOVED FROM THEIR BASES AND ANCHOR BOLTS CUT OFF A MINIMUM DEPTH OF 150 mm BELOW GRADE.
 - C. THE FOUNDATION SHALL BE CHIPPED DOWN TO A MINIMUM DEPTH OF 150 mm BELOW GRADE.
 - D. ALL HOLES IN THE BASE SHALL BE FILLED WITH CONCRETE AND THE AREA SHALL BE RESTORED TO A CONDITION MATCHING ADJACENT AREAS.
41. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND BICYCLE TRAFFIC THROUGH OR AROUND EACH PROJECT LOCATION FOR THE DURATION OF CONSTRUCTION. MATERIAL, EQUIPMENT OR OTHER BARRIERS SHALL NOT BE PLACED OR MARKED IN SUCH A MANNER AS TO OBSTRUCT PEDESTRIAN OR BICYCLE TRAFFIC OR TO PRESENT A SAFETY HAZARD TO THE NON-MOTORIZED PUBLIC. WHERE PEDESTRIAN TRAFFIC MUST BE RELOCATED OFF THE EXISTING FACILITY, WALKWAYS SHALL BE CLEARLY MARKED AND HAVE A LOGICAL START AND TERMINUS.
42. PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED NEAR CURB RAMPS AND POSITIONED SUCH THAT A PERSON IN A WHEEL CHAIR CAN ACTIVATE THE SIGNAL WITHOUT HAVE TO STOP ON THE CURB RAMP. ALL PEDESTRIAN PUSHBUTTON ASSEMBLIES SHALL BE ADA COMPLIANT. PEDESTRIAN PEDESTALS SHALL BE LOCATED IMMEDIATELY BEHIND SIDEWALKS SUCH THAT ALL PUSHBUTTONS ARE WITHIN 250 mm OF A 760 mm x 1220 mm LEVEL SIDEWALK SURFACE PER FEDERAL GUIDELINES.
43. UNDER ITEM 680.79----01 "REMOVE TRAFFIC SIGNAL EQUIPMENT" ALL SIGNAL EQUIPMENT SHALL BE REMOVED AT THE FOLLOWING LOCATIONS:
 1. CONGRESS STREET AND 14TH STREET
 2. CONGRESS STREET AND 15TH STREET
 3. CONGRESS STREET AND BRUNSWICK AVENUE
 4. CONGRESS STREET AND PAWLING AVENUE
44. MAST ARM POLES SUPPLIED UNDER ITEM 680.625515 SHALL BE UNION METAL CORPORATION NOSTALGIA SERIES ROUND MAST ARM POLES WITH STRAIGHT ROUND MAST ARMS OR VALMONT STRUCTURES ROUND SMOOTH MAST ARM POLES WITH STRAIGHT SMOOTH MAST ARMS WITH UNION METAL ST. PAUL FAMILY (NO. 5A) BASES OR EQUAL. ALL POLES, MAST ARMS AND BASES SHALL BE FINISHED IN A BLACK POWDER COAT FINISH. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN, FURNISH AND INSTALL MAST ARM POLES AND ASSOCIATED ANCHOR BOLTS/ANCHOR BASES WITH FOUNDATIONS OF SUFFICIENT DESIGN TO SUPPORT GIVEN SIGNAL HEADS AND/OR SIGNS AT DISTANCES AND CLEARANCES SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS. PRIOR TO THE MANUFACTURE OF THE MAST ARMS AND POLES, THE CONTRACTOR SHALL FURNISH 5 SETS OF SHOP DRAWINGS TO THE CITY OF TROY ENGINEERING DEPARTMENT FOR APPROVAL. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK, CERTIFYING THAT THE DESIGN IS SUFFICIENT FOR THE PROPOSED INSTALLATION.
45. UNDER ITEM 680.77----01 "MODIFY TRAFFIC SIGNAL EQUIPMENT", CONTRACTOR SHALL SUPPLY ALL NECESSARY PARTS AND LABOR TO CONNECT NEW SIGNAL CONTROLLER (INSTALLED UNDER ITEM 680.80370501) AND THE EXISTING SIGNAL EQUIPMENT AT THE LINDEN AVE. AT PAWLING AVE. INTERSECTION. WORK UNDER THIS ITEM SHALL ALSO INCLUDE CONNECTION TO THE NEW INTERCONNECT CABLE AND PROGRAMMING NEW TIMING PLANS IN THE CONTROLLER.
46. ALL TRAFFIC CONTROLLERS SUPPLIED UNDER ITEM 680.80370501 SHALL BE PEEK 3000E AND ANY OTHER EQUIPMENT THAT WILL BE CONTROLLED BY THE CENTRAL TRAFFIC SIGNAL SOFTWARE SHALL BE TESTED FOR COMPATIBILITY WITH THE NATIONAL TELECOMMUNICATIONS STANDARD BY THE NATIONAL TRANSPORTATION COMMUNICATIONS FOR ITS PROTOCOL (NTCIP).
47. THE CONTRACTOR SHALL INCLUDE AN IDENTIFICATION TAPE ABOVE ANY PLASTIC CONDUITS INSTALLED AS PART OF THE CONTRACT. THE TAPE SHALL BE LABELED WITH THE WORDS "TRAFFIC SIGNALS" ON IT. THE PRICE OF THE TAPE AND INSTALLATION SHALL BE INCLUDED IN THE PRICE BID FOR THE CONDUIT ITEMS IN THE CONTRACT.
48. THE SIGNAL POLES SUPPLIED UNDER ITEMS 680.602009 AND 680.603009 SHALL BE UNION METAL CORPORATION NOSTALGIA SERIES ROUND STRAIN POLES OR VALMONT STRUCTURES ROUND SMOOTH STRAIN POLES WITH UNION METAL ST. PAUL FAMILY (NO. 5A) BASES OR EQUAL. ALL POLES, MAST ARMS AND BASES SHALL BE FINISHED IN A BLACK POWDER COAT FINISH.
49. THE PEDESTRIAN SIGNAL POLES SUPPLIED UNDER ITEMS 680.6724 AND 680.6736 SHALL BE UNION METAL CORPORATION NOSTALGIA SERIES ROUND PEDESTRIAN POLES OR VALMONT STRUCTURES ROUND SMOOTH PEDESTRIAN POLES WITH UNION METAL ST. PAUL FAMILY (NO. 5A) BASES OR EQUAL. ALL POLES AND BASES SHALL BE FINISHED IN A BLACK POWDER COAT FINISH. ALL PEDESTRIAN SIGNAL HEADS AND BRACKETS SHALL ALSO BE FINISHED IN A BLACK POWDER COAT FINISH.
50. TEN GALLONS OF TOUCH UP PAINT SHALL BE ORDERED BY THE CONTRACTOR AND IS PAID FOR AS PART OF THE BID PRICE FOR THE SIGNAL POLES. THE E.I.C. SHALL INSPECT THE POLES AND INSTRUCT THE CONTRACTOR FOR THE TOUCH UP PAINTING. THE TOUCH UP PAINTING MUST MATCH EXACTLY TO THE PAINT APPLIED AT THE FACTORY. A LIST OF COLOR CODES AND PAINT NUMBERS SHALL BE SUPPLIED TO THE E.I.C. BEFORE THE PAINT IS APPLIED TO THE POLES FOR FINAL COLOR APPROVAL.
51. ALL TRAFFIC SIGNAL SECTIONS SHALL BE POLYCARBONATE WITH ALUMINUM VISORS. A BRASS OR STAINLESS STEEL TOP PLATE SHALL BE ATTACHED TO THE TOP OF EACH ASSEMBLY AND BE PAID FOR UNDER ITEM 680.8111 OR 680.8112. ALL PEDESTRIAN SIGNAL SECTIONS SHALL BE POLYCARBONATE. A BRASS OR STAINLESS STEEL TOP PLATE SHALL BE ATTACHED TO THE TOP OF EACH BRACKET AND BE PAID FOR UNDER ITEM 680.8141.
52. FOR ALL POLE BASES, THE FLAT EDGE SHALL BE INSTALLED PARALLEL TO THE CURB FACE.
53. STAINLESS STEEL BANDS SHALL NOT BE USED ON SIGNAL POLES. INSTEAD, CONTRACTOR SHALL USE AIRCRAFT CABLE OR WELDED FITTINGS.



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				TRAFFIC SIGNAL NOTES	
COUNTY: RENSSELAER	DRAWING NO. TSN-1 SHEET NO. 83					
SIGNATURE		DATE	DOCUMENT NAME: 175339AA_TRF.DGN			

ESTIMATE OF TRAFFIC SIGNAL QUANTITIES

ITEM	DESCRIPTION	UNIT	DRAWING NO.		INTERCONNECT (SEE TSP-3)	GRAND TOTAL
			TSP-1	TSP-2		
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	M	160	340	-	500
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CM	6	16	-	22
680.5002	CONCRETE BASE FOR CONTROLLER CABINET	EA	1	1	-	2
680.510501	PULLBOX, RECT., REINF. CONCRETE, 650 mm x 450 mm	EA	6	11	-	17
680.51200108	CAST ALUMINUM JUNCTION BOX	EA	5	11	-	16
680.520103	CONDUIT METAL STEEL, ZINC COATED, 1 NPS	M	10	10	-	20
680.520504	CONDUIT RIGID PLASTIC CLASS 1, 1-1/4 NPS	M	36	74	-	110
680.520506	CONDUIT RIGID PLASTIC CLASS 1, 2 NPS	M	155	240	-	395
680.520508	CONDUIT RIGID PLASTIC CLASS 1, 3 NPS	M	5	105	-	110
680.54	INDUCTANCE LOOP INSTALLATION	M	130	320	-	450
680.602009	TRAFFIC SIGNAL POLE, SPAN WIRE, 20 KN LOAD, 9 m	EA	-	2	-	2
680.603009	TRAFFIC SIGNAL POLE, SPAN WIRE, 30 KN LOAD, 9 m	EA	-	2	-	2
680.625515	TRAFFIC SIGNAL POLE WITH MAST ARM, 15 m ARM, 5.5 m HEIGHT	EA	1	-	-	1
680.6724	TRAFFIC SIGNAL POLE, POST TOP MOUNT, 2.4 m LENGTH	EA	1	4	-	5
680.6836	TRAFFIC SIGNAL POLE, BRACKET MOUNT, 3.6 m LENGTH	EA	4	1	-	5
680.7002	DUAL SPAN WIRE WITH UPPER TETHER	EA	-	2	-	2
680.7004	MESSENGER ASSEMBLY	M	-	25	100	125
680.700606	RISER ASSEMBLY, 2 NPS DIAMETER	EA	-	1	-	1
680.71	SHIELDED LEAD-IN CABLE	M	190	1160	-	1350
680.72	INDUCTANCE LOOP WIRE	M	440	950	-	1390
680.730514	SIGNAL CABLE, 5 CONDUCTOR, 14 AWG	M	350	1550	-	1900
680.731014	SIGNAL CABLE, 10 CONDUCTOR, 14 AWG	M	25	160	-	185
680.731914	SIGNAL CABLE, 19 CONDUCTOR, 14 AWG	M	-	25	-	25
680.750619	SHIELDED COMMUNICATIONS CABLE, 6 PAIR, 19 AWG	M	-	125	140	265
680.77----01	MODIFY TRAFFIC SIGNAL EQUIPMENT	LS	-	-	-	100%*
680.79----01	REMOVE TRAFFIC SIGNAL EQUIPMENT	LS	-	-	-	100%**
680.80324708	MICROCOMPUTER CABINET BASE (ALUMINUM)	EA	1	1	-	2
680.80370501	CONTROLLER AND CABINET, 4 THROUGH 8 PHASE, FULL TRAFFIC ACTUATED (NEMA)	EA	1	1	1	3
680.810101	TRAFFIC SIGNAL MODULE, 300 mm RED BALL LED	EA	8	12	-	20
680.810103	TRAFFIC SIGNAL MODULE, 300 mm YELLOW BALL LED	EA	8	12	-	20
680.810104	TRAFFIC SIGNAL MODULE, 300 mm YELLOW ARROW LED	EA	-	3	-	3
680.810105	TRAFFIC SIGNAL MODULE, 300 mm GREEN BALL LED	EA	8	12	-	20
680.810106	TRAFFIC SIGNAL MODULE, 300 mm GREEN ARROW LED	EA	-	3	-	3
680.810601	TRAFFIC SIGNAL SECTION - POLYCARBONATE, TYPE I, 300 mm	EA	24	42	-	66
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY, 1-WAY	EA	6	6	-	12
680.8112	TRAFFIC SIGNAL BRACKET ASSEMBLY, 2-WAY	EA	1	3	-	4
680.813105	PEDESTRIAN SIGNAL MODULE - 300 mm, BI-MODAL HAND/MAN SYMBOLS, LED	EA	8	10	-	18
680.813106	PEDESTRIAN SIGNAL SECTION - POLYCARBONATE, TYPE I, 300 mm	EA	16	20	-	36
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EA	7	6	-	13
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY	EA	1	4	-	5
680.8150--10	PEDESTRIAN COUNT-DOWN TIMER MODULE	EA	8	10	-	18
680.8204	OVERHEAD SIGN ASSEMBLY, TYPE D	EA	-	8	-	8
680.8207	OVERHEAD SIGN ASSEMBLY, TYPE G	EA	1	-	-	1
680.8225	PEDESTRIAN PUSHBUTTON AND SIGN WITHOUT POST	EA	8	10	-	18
680.9092--01	ELECTRIC METER SOCKET, 100A, SINGLE PHASE, 120V	EA	1	1	-	2
680.94----15	RAINTIGHT DISCONNECT BOX	EA	1	1	-	2
680.95D10615	POWER CABLE, 1 CONDUCTOR, 6 AWG	M	60	75	-	135

* SEE NOTE 45 ON DWG. NO. TSN-1 FOR MORE INFORMATION.
 ** SEE NOTE 43 ON DWG. NO. TSN-1 FOR MORE INFORMATION.

LEGEND

PROPOSED	EXISTING	DESCRIPTION
●	○	SIGNAL POLE
■	□	GROUND MOUNTED CONTROLLER
■	□	POLE MOUNTED CONTROLLER
—	—	SPAN WIRE ASSEMBLY
—s—	—	MESSENGER CABLE INSTALLATION
—	—	CONDUIT
②	⑥	PULLBOX (TRAFFIC SIGNALS & NUMBER)
→	→	TRAFFIC SIGNAL HEAD - 1 WAY
↔	↔	TRAFFIC SIGNAL HEAD - 2 WAY
↕	↕	TRAFFIC SIGNAL HEAD - 3 WAY
↕	↕	TRAFFIC SIGNAL HEAD - 4 WAY
→	→	PROGRAMMED SIGNAL HEAD - 1 WAY
↕	↕	PROGRAMMED SIGNAL HEAD - 2 WAY
③		SIGNAL FACE & NUMBER
■	□	INDUCTANCE LOOP & ALUMINUM JUNCTION BOX
④		DETECTOR NUMBER
∅		PHASE
—	—	REFLECTORIZED PAV'T STRIPES
⊥	⊥	TRAFFIC SIGN (GROUND MOUNTED)
—	—	OVERHEAD TRAFFIC SIGN

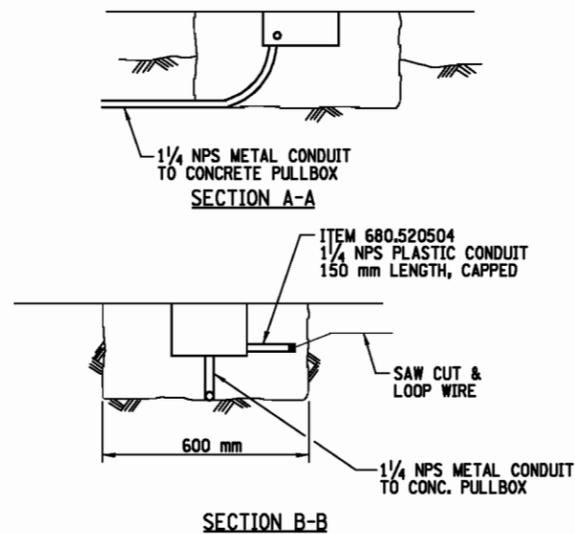
ABBREVIATIONS

2SC = 2 CONDUCTOR SHIELDED LEAD-IN CABLE
 SCC = SHIELDED COMMUNICATIONS CABLE
 5C = 5 CONDUCTOR SIGNAL CABLE
 10C = 10 CONDUCTOR SIGNAL CABLE
 15C = 15 CONDUCTOR SIGNAL CABLE
 19C = 19 CONDUCTOR SIGNAL CABLE
 R = RED
 Y = YELLOW
 G = GREEN
 O = ORANGE
 W = WHITE
 B = BLACK
 BL = BLUE
 FR = FLASHING RED
 FY = FLASHING YELLOW
 P.B. = PUSH BUTTON
 O.H. = OVERHEAD
 N.T.S. = NOT TO SCALE
 NPS = NATIONAL PIPE STANDARD

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11			TRAFFIC SIGNAL QUANTITIES AND LEGEND	DRAWING NO. TSQ-1 SHEET NO. B4
SIGNATURE	DATE					
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
DOCUMENT NAME: 175339AB_TRF.DGN						

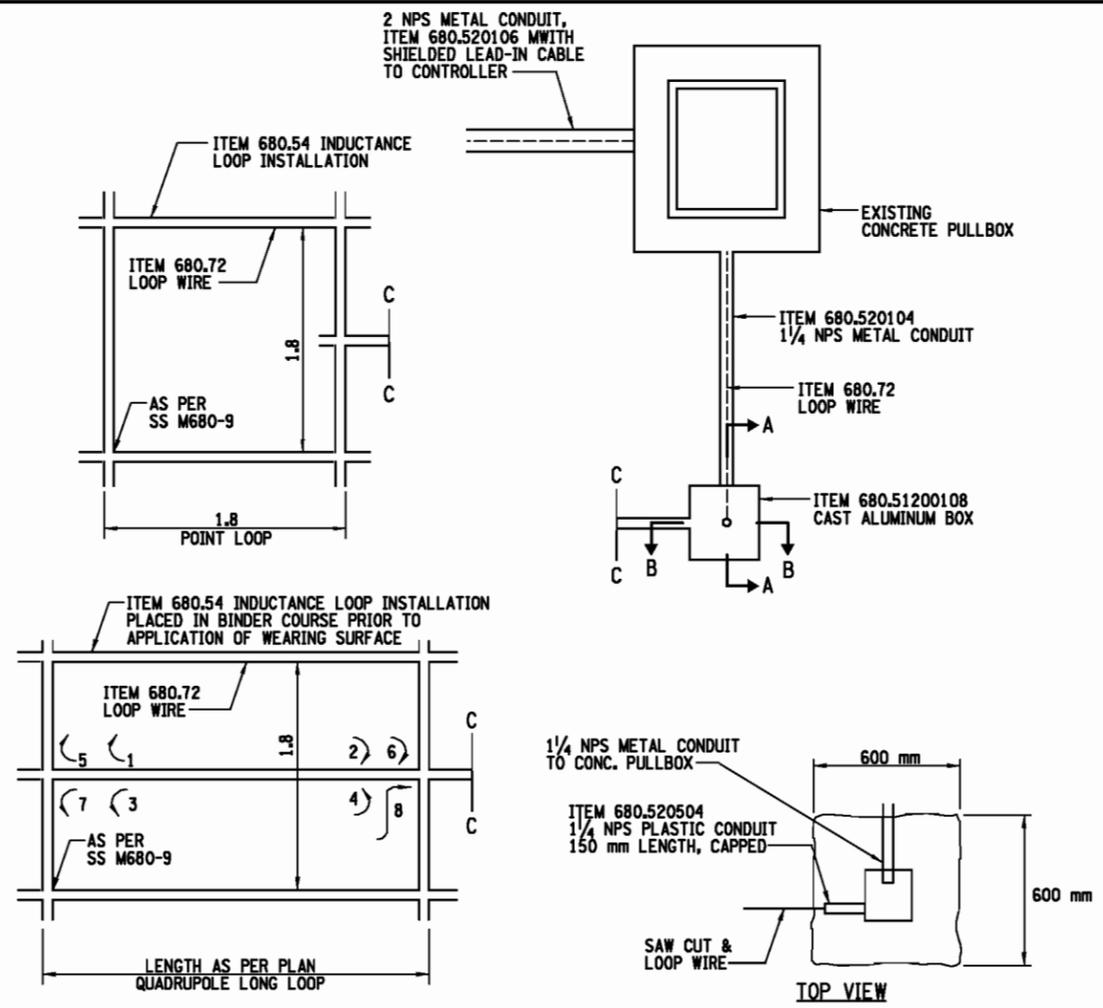
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 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI CHECKED BY D. RHODES
 DRAFTED BY M. PSZENICZNY ESTIMATED BY R. TRUNKO CHECKED BY D. RHODES

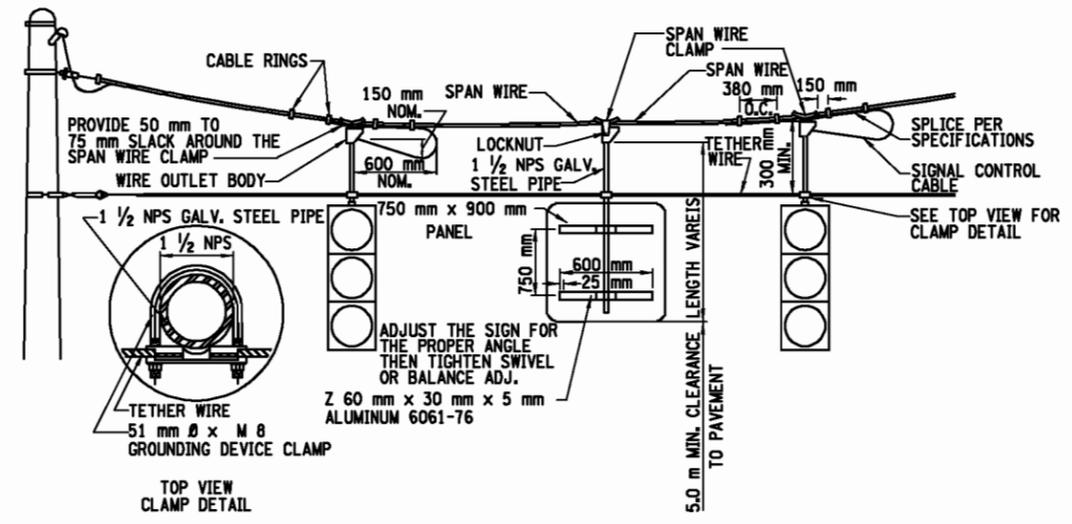


CAST ALUMINUM BOX INSTALLATION

- NOTES:
- 1) EXCAVATION AREA TO BE COMPLETELY FILLED WITH CLASS "D" CONCRETE, TO SPECIFIED HEIGHT.
 - 2) ALUMINUM BOX SHALL BE INSTALLED FLUSH WITH ASPHALT OVERLAY, OR EXISTING PAVEMENT, WHICHEVER APPLIES.
 - 3) DURING INSTALLATION, THE ALUMINUM BOX IS TO BE SUPPORTED FROM ABOVE. THE BOLT HOLES IN THE ALUMINUM BOX MAY BE USED FOR THIS PURPOSE.



INDUCTANCE LOOP INSTALLATION DETAIL
N.T.S.



SPAN WIRE SIGN MOUNTING DETAIL WITH UPPER TETHER WIRE
N.T.S.

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY			DRAWING NO. TSD-1 SHEET NO. B5	
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AC_TRF.DGN				

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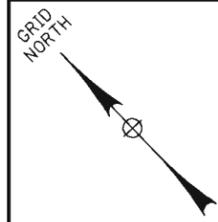


TABLE OF OPERATIONS												
PHASE	FACES											
	1	2	3	4	5	6	7	8	P1	P2	P3	P4
Ø 2	R	R	G	G	R	R	R	R	Ⓜ*	Ⓜ*	Ⓜ*	Ⓜ*
Ø 6	G	G	R	R	R	R	R	R	Ⓜ*	Ⓜ*	Ⓜ*	Ⓜ*
Ø 2 + Ø 6	G	G	G	G	R	R	R	R	Ⓜ*	Ⓜ*	Ⓜ*	Ⓜ*
Ø 3	R	R	R	R	G	G	R	R	Ⓜ*	Ⓜ*	Ⓜ*	Ⓜ*
Ø 4	R	R	R	R	R	R	G	G	Ⓜ*	Ⓜ*	Ⓜ*	Ⓜ*
FLASHING OPERATION	FY	FY	FY	FY	FR	FR	FR	FR	DARK	DARK	DARK	DARK
SIGNAL DISPLAY												
ALL LENSES SHALL BE 300 mm DIA.												

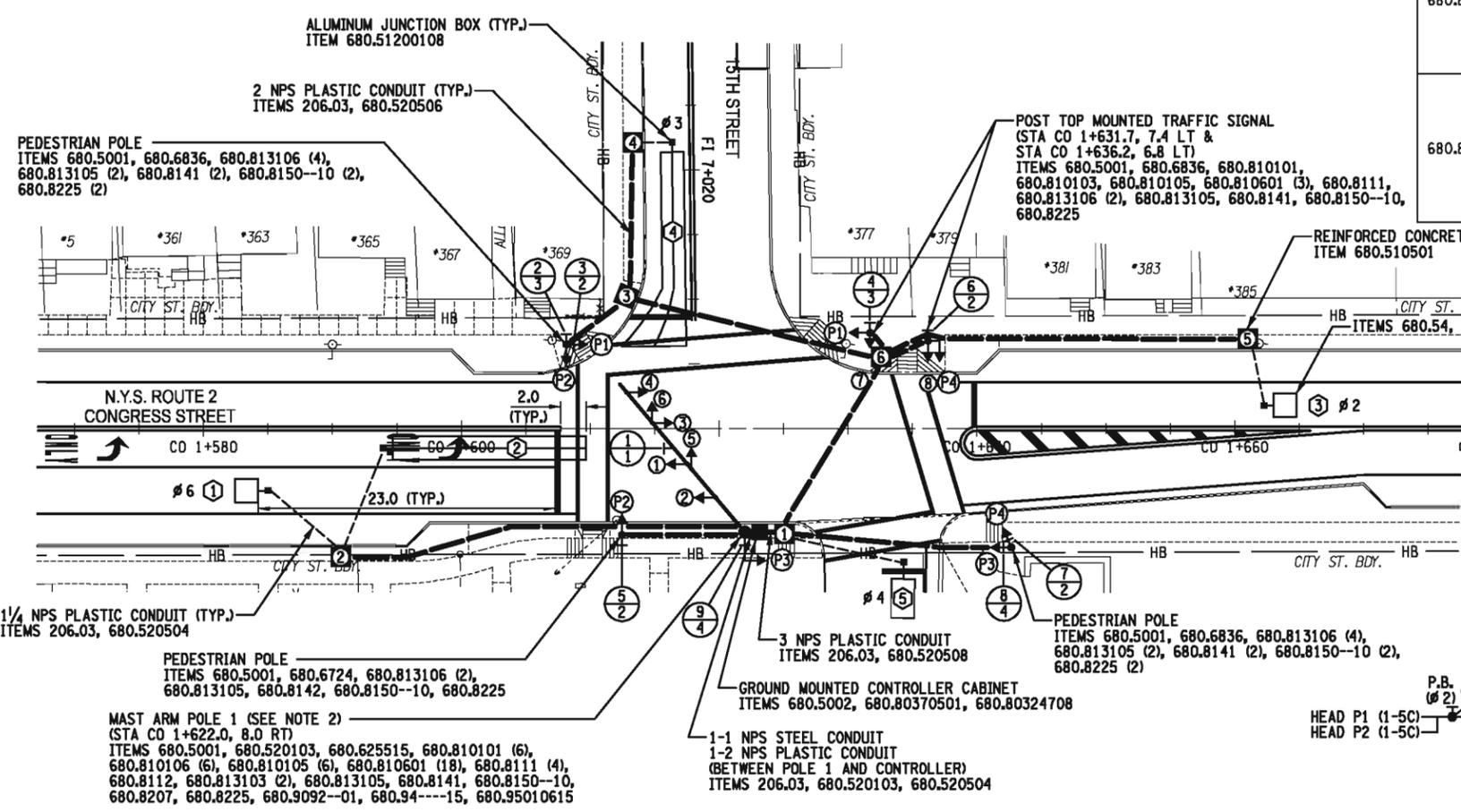
*PEDESTRIAN SIGNAL SHALL DISPLAY STEADY "HAND SYMBOL" UNLESS PHASE IS ACTIVATED BY PUSHBUTTON.

TABLE OF CLEARANCES				
TO	FROM			
	R	G	Ⓜ	Ⓜ*
R	R	Y	-	-
G	R	G	-	-
Ⓜ	-	-	Ⓜ	Ⓜ*
Ⓜ*	-	-	Ⓜ	Ⓜ*

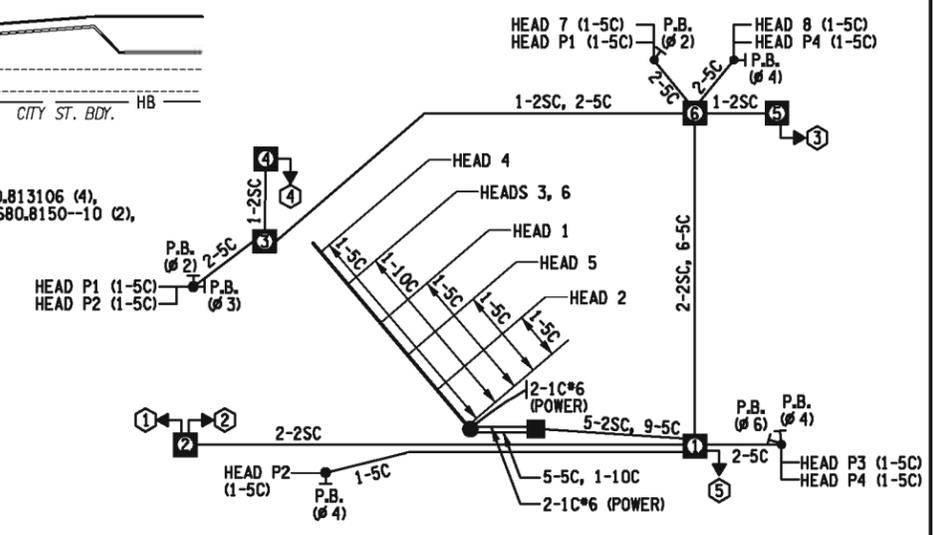
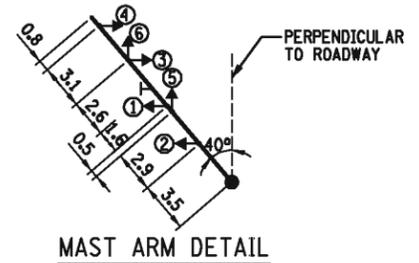
TABLE OF NEW INDUCTANCE LOOP DESIGN					
DETECTOR NUMBER	PHASE NUMBER	INDUCTANCE LOOP SIZE	NUMBER OF TURNS	DUAL LOOP MODULES	COMMENTS
①	Ø 6	1.8 m x 1.8 m	4	1	-
②	Ø 6	1.8 m x 15.0 m	2-4-2	1	-
③	Ø 2	1.8 m x 1.8 m	4	1	-
④	Ø 3	1.8 m x 15.0 m x 4.5 m FLARE	2-4-2	1	FLARED AT RADIUS
⑤	Ø 4	1.8 m x 3.0 m	3	1	-

SIGNS TO BE INSTALLED						
ITEM NO.	TEXT NO.	LOCATION NO.	TEXT	MUTCD NO.	APPROX. SIZE OF SIGN	TYPE OF MOUNT
680.8204	1	1		R3-5 (L)	750 mm x 900 mm	MAST ARM
680.8225	2	3, 5, 6, 7		R10-3E (MOD.)	225 mm x 375 mm	POLE
680.8225	3	2, 4		R10-3E (MOD.)	225 mm x 375 mm	POLE
680.8225	4	8, 9		R10-3E (MOD.)	225 mm x 375 mm	POLE

NOTE: THE SYMBOL, REFERS TO SIGN LOCATION SIGN TEXT



- NOTES:
- PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED NEAR CURB RAMPS AND POSITIONED SUCH THAT A PERSON IN A WHEEL CHAIR CAN ACTIVATE THE SIGNAL WITHOUT HAVING TO STOP ON THE CURB RAMP. ALL PEDESTRIAN PUSHBUTTON ASSEMBLIES SHALL BE ADA COMPLIANT. PEDESTRIAN PEDESTALS SHALL BE LOCATED IMMEDIATELY BEHIND SIDEWALKS SUCH THAT ALL PUSHBUTTONS ARE WITHIN 250 mm OF A 760 mm x 1220 mm LEVEL SIDEWALK SURFACE PER FEDERAL GUIDELINES.
 - SEE DWG. NO. TSN-1 FOR NOTES REGARDING MAST ARM POLE DESIGN.



SCALE 0 5 10 15 20 25 m
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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY		TRAFFIC SIGNAL PLAN	DRAWING NO. TSP-1 SHEET NO. 86
DATE	CITY OF TROY		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66			
	COUNTY: RENSSELAER		DOCUMENT NAME: 175339AD_TRF.DGN			



- NOTES:**
1. SEE DWG. NO. LLP-8 FOR ADDITIONAL LIGHTING TABLES AND NOTES.
 2. SEE DWG. NO. LLP-8 FOR ADDITIONAL LANDSCAPING TABLES AND NOTES.

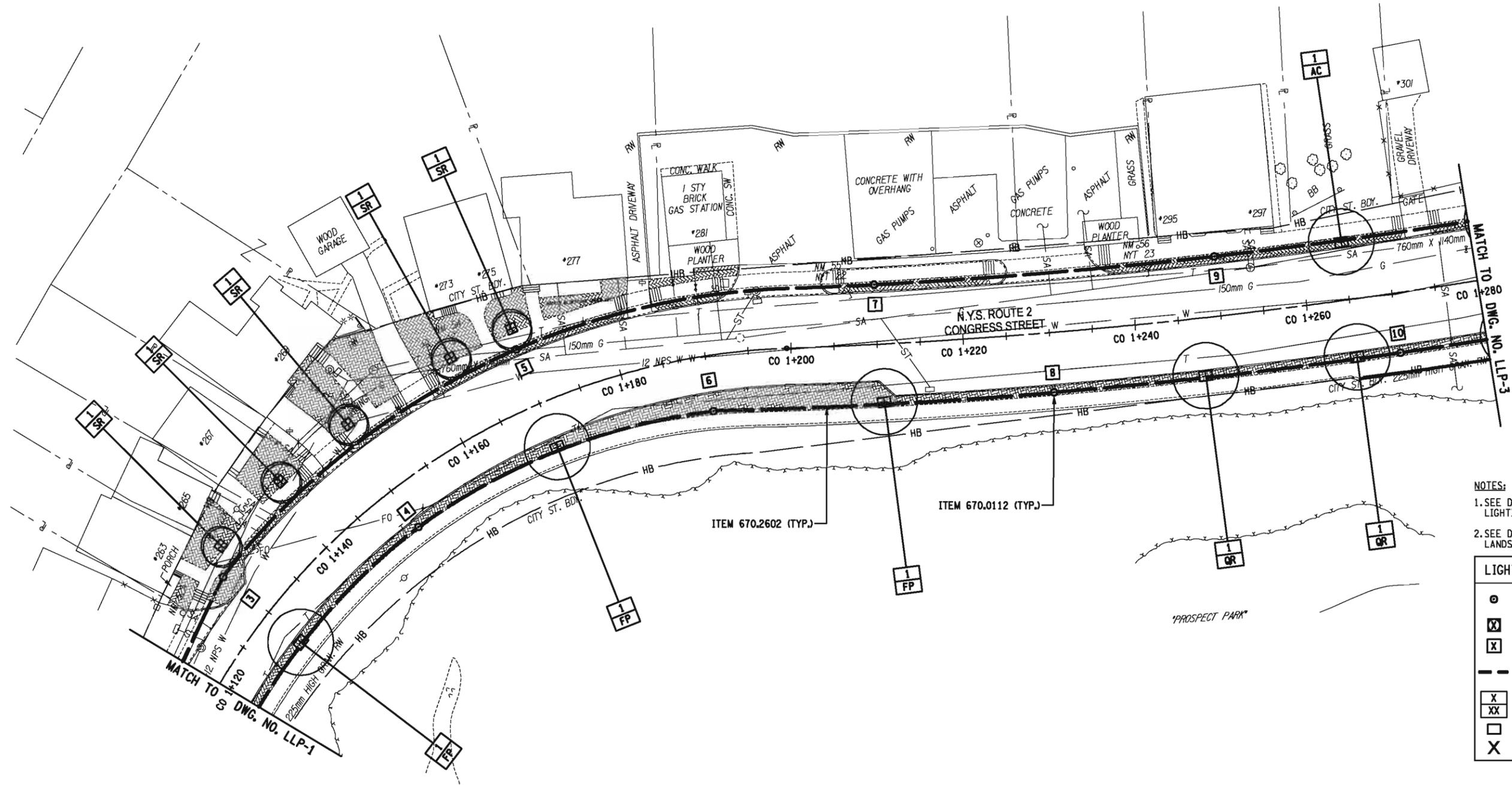
LIGHTING/LANDSCAPING LEGEND	
	LIGHT POLE FOUNDATION 1.2 m DEPTH, ITEM 670.0112
	PULLBOX, ITEM 670.3010
	FOUNDATION REFERENCE NUMBER
	2 NPS RIGID PLASTIC CONDUIT ITEM 670.2602
	PLANT QUANTITY
	KEY (SEE PLANTING SCHEDULE)
	TREE GRATE, ITEM 615.04000101
	TREE REMOVAL



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____ DATE _____	CITY OF TROY	THE CITY OF TROY	LIGHTING AND LANDSCAPING PLAN		DRAWING NO. LLP-1 SHEET NO. 89	
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AA.LLP.DGN					



- NOTES:**
- SEE DWG. NO. LLP-8 FOR ADDITIONAL LIGHTING TABLES AND NOTES.
 - SEE DWG. NO. LLP-8 FOR ADDITIONAL LANDSCAPING TABLES AND NOTES.

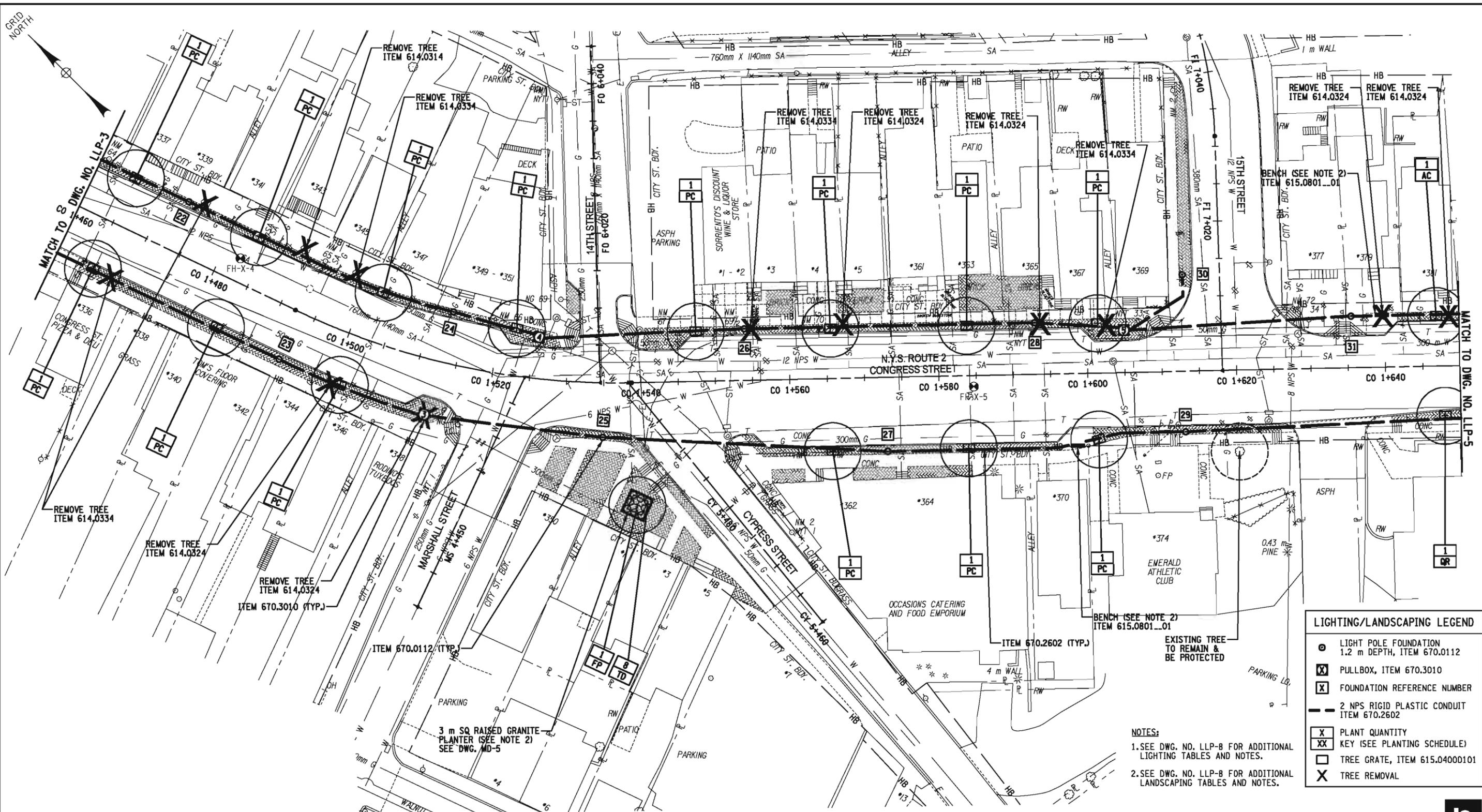
LIGHTING/LANDSCAPING LEGEND	
	LIGHT POLE FOUNDATION 1.2 m DEPTH, ITEM 670.0112
	PULLBOX, ITEM 670.3010
	FOUNDATION REFERENCE NUMBER
	2 NPS RIGID PLASTIC CONDUIT ITEM 670.2602
	PLANT QUANTITY KEY (SEE PLANTING SCHEDULE)
	TREE GRATE, ITEM 615.0400D101
	TREE REMOVAL



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	DATE _____	CITY OF TROY			LIGHTING AND LANDSCAPING PLAN	
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AB.LLP.DGN				



LIGHTING/LANDSCAPING LEGEND

- LIGHT POLE FOUNDATION
1.2 m DEPTH, ITEM 670.0112
- ⊗ PULLBOX, ITEM 670.3010
- ⊗ FOUNDATION REFERENCE NUMBER
- 2 NPS RIGID PLASTIC CONDUIT
ITEM 670.2602
- X PLANT QUANTITY
- XX KEY (SEE PLANTING SCHEDULE)
- TREE GRATE, ITEM 615.0400D101
- X TREE REMOVAL

NOTES:

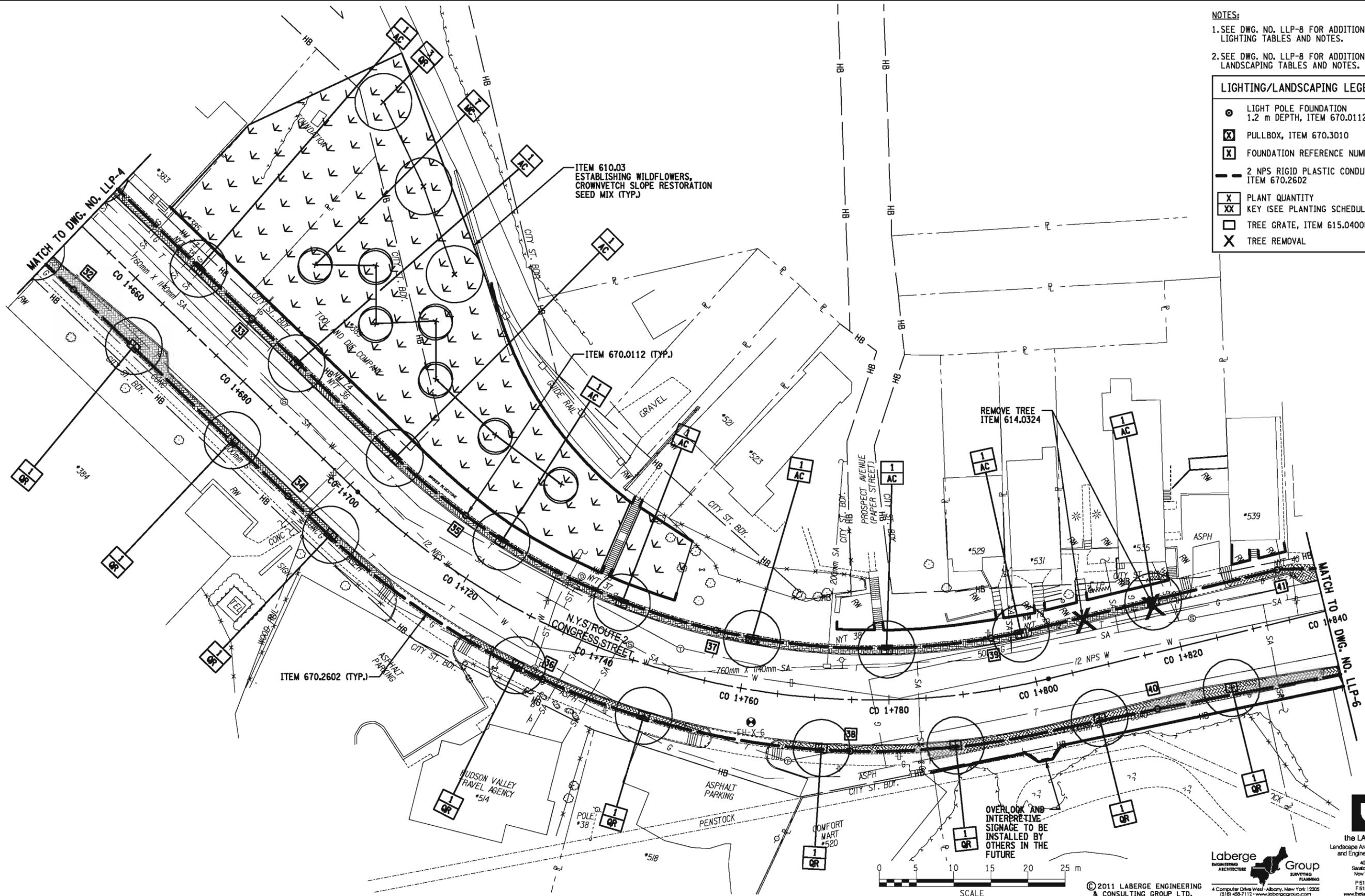
- SEE DWG. NO. LLP-B FOR ADDITIONAL LIGHTING TABLES AND NOTES.
- SEE DWG. NO. LLP-B FOR ADDITIONAL LANDSCAPING TABLES AND NOTES.



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	S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66		LIGHTING AND LANDSCAPING PLAN		DRAWING NO. LLP-4 SHEET NO. 92		
		COUNTY: RENSSELAER						
		DOCUMENT NAME: 175339AD.LLP.DGN						



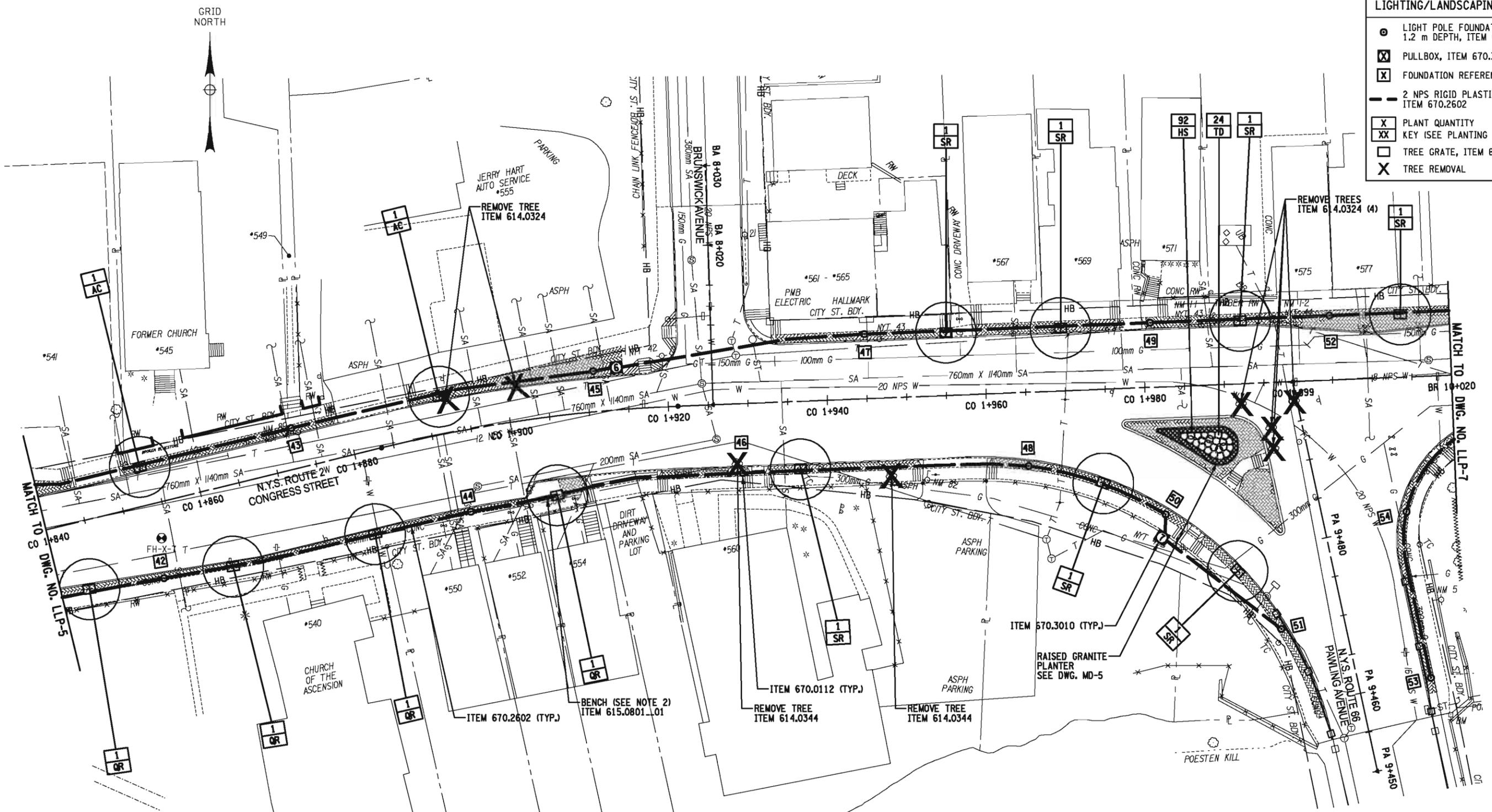
- NOTES:**
- SEE DWG. NO. LLP-B FOR ADDITIONAL LIGHTING TABLES AND NOTES.
 - SEE DWG. NO. LLP-B FOR ADDITIONAL LANDSCAPING TABLES AND NOTES.
- LIGHTING/LANDSCAPING LEGEND**
- LIGHT POLE FOUNDATION
1.2 m DEPTH, ITEM 670.0112
 - ⊗ PULLBOX, ITEM 670.3010
 - ⊗ FOUNDATION REFERENCE NUMBER
 - 2 NPS RIGID PLASTIC CONDUIT
ITEM 670.2602
 - X PLANT QUANTITY
 - XX KEY (SEE PLANTING SCHEDULE)
 - TREE GRATE, ITEM 615.04000101
 - X TREE REMOVAL

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE		PIN 1753.39		BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66		LIGHTING AND LANDSCAPING PLAN		DRAWING NO. LLP-5 SHEET NO. 93		
		COUNTY: RENSSELAER						
		DOCUMENT NAME: 175339AE.LLP.DGN						

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LIGHTING/LANDSCAPING LEGEND

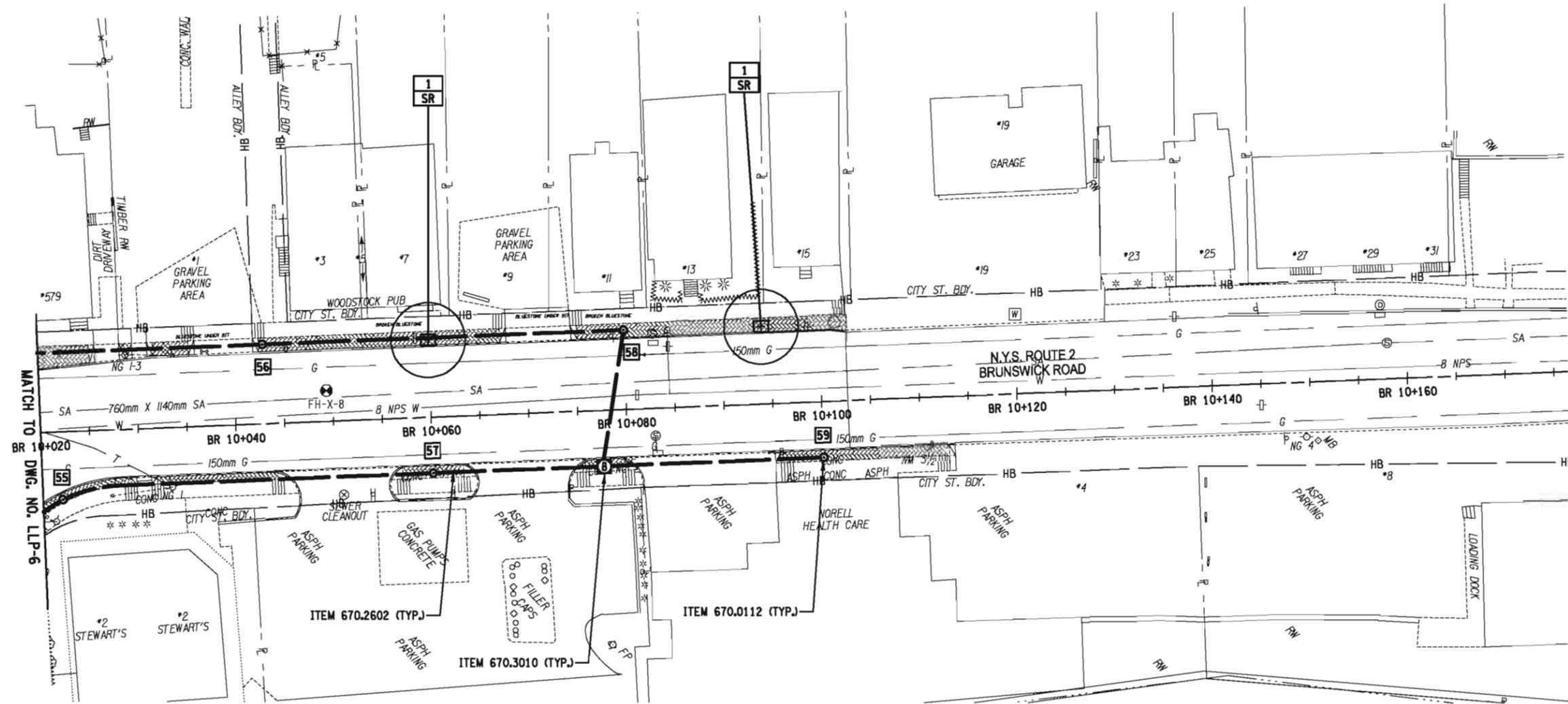
- LIGHT POLE FOUNDATION
1.2 m DEPTH, ITEM 670.0112
- ⊗ PULLBOX, ITEM 670.3010
- ⊗ FOUNDATION REFERENCE NUMBER
- 2 NPS RIGID PLASTIC CONDUIT
ITEM 670.2602
- X PLANT QUANTITY
KEY (SEE PLANTING SCHEDULE)
- TREE GRATE, ITEM 615.04000101
- X TREE REMOVAL

- NOTES:**
- SEE DWG. NO. LLP-8 FOR ADDITIONAL LIGHTING TABLES AND NOTES.
 - SEE DWG. NO. LLP-8 FOR ADDITIONAL LANDSCAPING TABLES AND NOTES.



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	S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66		LIGHTING AND LANDSCAPING PLAN		DRAWING NO. LLP-6 SHEET NO. 94		
		COUNTY: RENSSELAER						
		DOCUMENT NAME: 175339AF_LLP.DGN						



- NOTES:
- SEE DWG. NO. LLP-8 FOR ADDITIONAL LIGHTING TABLES AND NOTES.
 - SEE DWG. NO. LLP-8 FOR ADDITIONAL LANDSCAPING TABLES AND NOTES.

LIGHTING/LANDSCAPING LEGEND	
	LIGHT POLE FOUNDATION 1.2 m DEPTH, ITEM 670.0112
	PULLBOX, ITEM 670.3010
	FOUNDATION REFERENCE NUMBER
	2 NPS RIGID PLASTIC CONDUIT ITEM 670.2602
	PLANT QUANTITY
	KEY (SEE PLANTING SCHEDULE)
	TREE GRATE, ITEM 615.04000101
	TREE REMOVAL



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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY	LIGHTING AND LANDSCAPING PLAN		DRAWING NO. LLP-7 SHEET NO. 95	
DOCUMENT NAME: 175339AG.LLP.DGN						

LIGHT POLE FOUNDATION SCHEDULE (ITEM NO. 670.0112)					
REF. #	STATION	OFFSET	REF. #	STATION	OFFSET
1	CO 1+090.0	5.1 m LT	31	CO 1+635.5	6.9 m LT
2	CO 1+109.5	5.1 m RT	32	CO 1+655.0	6.9 m RT
3	CO 1+130.0	6.9 m LT	33	CO 1+675.0	6.9 m LT
4	CO 1+150.0	5.1 m RT	34	CO 1+695.0	6.9 m RT
5	CO 1+170.0	6.9 m LT	35	CO 1+715.0	6.9 m LT
6	CO 1+190.0	6.4 m RT	36	CO 1+735.0	6.9 m RT
7	CO 1+210.0	6.9 m LT	37	CO 1+755.0	6.9 m LT
8	CO 1+230.0	6.9 m RT	38	CO 1+775.0	6.9 m RT
9	CO 1+250.0	6.9 m LT	39	CO 1+795.0	6.9 m LT
10	CO 1+270.0	6.9 m RT	40	CO 1+815.0	7.4 m RT
11	CO 1+290.0	6.9 m LT	41	CO 1+835.0	6.9 m LT
12	CO 1+310.0	6.9 m RT	42	CO 1+853.0	9.4 m RT
13	CO 1+330.0	6.9 m LT	43	CO 1+873.0	5.1 m LT
14	CO 1+346.0	6.9 m RT	44	CO 1+893.0	10.2 m RT
15	CO 1+366.0	6.9 m LT	45	CO 1+911.0	5.1 m LT
16	CO 1+386.0	6.9 m RT	46	CO 1+929.0	8.7 m RT
17	CO 1+397.0	6.9 m LT	47	CO 1+945.0	8.1 m LT
18	TH 3+020.0	3.3 m RT	48	CO 1+965.0	9.2 m RT
19	CO 1+414.0	6.9 m RT	49	CO 1+981.0	8.1 m LT
20	CO 1+434.0	6.9 m LT	50	CO 1+982.0	16.0 m RT
21	CO 1+453.0	6.9 m RT	51	PA 9+470.0	8.0 m LT
22	CO 1+473.0	6.9 m RT	52	BR 10+005.0	8.1 m LT
23	CO 1+493.0	6.9 m RT	53	PA 9+460.0	9.1 m RT
24	CO 1+513.0	6.9 m LT	54	PA 9+481.0	10.5 m RT
25	CO 1+535.0	7.3 m RT	55	BR 10+022.0	6.9 m RT
26	CO 1+554.0	6.9 m LT	56	BR 10+043.0	8.1 m LT
27	CO 1+573.0	9.9 m RT	57	BR 10+060.0	5.7 m RT
28	CO 1+593.0	6.9 m LT	58	BR 10+080.0	8.1 m LT
29	CO 1+613.0	8.1 m RT	59	BR 10+100.0	5.7 m RT
30	FI 7+013.0	5.6 m LT			

TREE REMOVAL TABLE				
STATION	614.0314	614.0324	614.0334	614.0344
CO 1+334, 8.0 m LT			1	
CO 1+353, 7.0 m LT			1	
CO 1+384, 7.4 m LT			1	
CO 1+390, 6.8 m LT		1		
CO 1+405, 6.4 m RT			1	
CO 1+416, 6.4 m RT		1		
CO 1+425, 6.4 m RT		1		
CO 1+451, 6.4 m RT		1		
CO 1+468, 7.0 m RT			1	
CO 1+475, 7.5 m LT			1	
CO 1+490, 7.5 m LT	1			
CO 1+498, 7.5 m LT			1	
CO 1+501, 7.0 m RT		1		
CO 1+512, 7.0 m RT		1		
CO 1+555, 6.8 m LT			1	
CO 1+567, 7.2 m LT		1		
CO 1+594, 6.6 m LT		1		
CO 1+603, 6.5 m LT			1	
CO 1+640, 7.0 m LT		1		
CO 1+648, 6.8 m LT		1		
CO 1+808, 6.5 m LT		1		
CO 1+818, 6.5 m LT		1		
CO 1+893, 4.5 m LT		1		
CO 1+902, 4.5 m LT		1		
CO 1+929, 7.5 m RT				1
CO 1+948, 10.0 m RT				1
CO 1+996, 3.0 m RT		4		
TOTALS	1	18	9	2

PLANTING SCHEDULE										
DECIDUOUS TREES										
ITEM NO.	KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	REMARKS	TREE GRATE		
611.010114	FP	7	'MARSHALL'S SEEDLESS' GREEN ASH	FRAXINUS PENNSYLVANICA 'MARSHALL'S SEEDLESS'	50 mm - 75 mm CAL.	B&B	MATCHED	NO		
611.010114	QR	27	RED OAK	QUERCUS RUBRA	50 mm - 75 mm CAL.	B&B	MATCHED	YES		
611.020114	AC	19	CUMULUS SERVICEBERRY	AMALANCIER LAEVIS CUMULUS	50 mm - 65 mm CAL.	B&B	TREE FORM	YES		
611.020114	MC	10	CENTURION CRABAPPLE	MALUS X 'CENTZAN'	50 mm - 65 mm CAL.	B&B	MATCHED	NO		
611.020114	PC	18	CLEVELAND SELECT FLOWERING PEAR	PYRUS CALLERYANA	50 mm - 65 mm CAL.	B&B	MATCHED	YES		
611.020114	SR	14	'IVORY SILK' JAPANESE TREE LILAC	SYRINCA RETICULATA 'IVORY SILK'	50 mm - 65 mm CAL.	B&B	MATCHED	YES		
SHRUBS										
611.040113	TD	56	DENSE SPREADING YEW	TAXUS X MEDIA 'DENSIFORMIS'	760 mm - 900 mm HT/SP	CONT.				
PERENNIALS										
611.060113	HS	92	STELLA DE ORO DAYLILY	HEMEROCALLIS 'STELLA DE ORO'	NO. 2 CONT.	CONT.	300 mm O.C.			

LANDSCAPING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
610.03	ESTABLISHING WILDFLOWERS	SQM	1700
611.010114	PLANTING MAJOR DEC. TREE SPEC. (SEE CONT. DOC.) OTHER SIZE (AS SPEC.), B&B, NURSERY GROWN	EA	34
611.020114	PLANTING MINOR DEC. TREE SPEC. (SEE CONT. DOC.) OTHER SIZE (AS SPEC.), B&B, NURSERY GROWN	EA	61
611.040113	PLANTING DEC. SHRUB SPEC. (SEE CONT. DOC.) OTHER SIZE (AS SPEC.), CONTAINER	EA	56
611.060113	PLANTING VINES AND GROUND COVER SPEC. (SEE CONT. DOC.) OTHER SIZE (AS SPEC.), CONTAINER	EA	92
615.04000101	CAST IRON TREE GRATES WITH FRAME, 1.2 m x 1.5 m	EA	78
615.0801-01	BENCH, 1.8 m	EA	5

LANDSCAPING NOTES:

- BENCH SHALL BE VICTOR STANLEY GREENSITES SERIES MODEL CM-324, 1.8 m LENGTH, OR EQUAL, APPROVED BY CITY OF TROY.
- SEE DWGS. MD-4 & MD-5 FOR LANDSCAPING DETAILS.

PLANTING NOTES:

- ALL NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- ALL LANDSCAPE WORK COMPLETED UNDER THIS CONTRACT IS TO BE GOVERNED BY AND IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION 'STANDARD SPECIFICATIONS METRIC' DATED AUGUST 4TH, 2006.
- ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER-GROWN UNLESS OTHERWISE NOTED ON PLANT LIST.
- ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AS APPROVED BY THE OWNER'S REPRESENTATIVE.
- ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY UNLESS APPROVED OTHERWISE BY OWNER'S REPRESENTATIVE.
- WHERE PLANTS SIZE IS INDICATED AS A RANGE, THE PLANTS PROVIDED SHALL BE A FAIR REPRESENTATION OF THAT RANGE.
- THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
- CONTRACTOR SHALL OBTAIN PLANT APPROVAL FROM OWNER'S REPRESENTATIVE AFTER DELIVERY AND PRIOR TO INSTALLATION.
- CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE OWNER'S REPRESENTATIVE.
- STAKE LOCATION OF ALL PROPOSED PLANTING FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF PLANTING.
- NEW PLANT MATERIAL SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO PREVIOUS GRADE IN THE NURSERY.
- ALL PLANT BEDS TO RECEIVE 75 mm OF BARK MULCH ON WEED BARRIER FABRIC OR AS PER SPECIFICATIONS. WASHED PEA GRAVEL SHALL BE USED INSTEAD OF BARK MULCH FOR TREE PIT PLANTINGS; SEE TREE PIT PLANTING DETAIL & NOTES FOR FURTHER INFORMATION.
- PREPARE ALL PLANTING BEDS TO MINIMUM OVERALL DEPTHS SHOWN ON PLANTING DETAILS.
- AMENDED TOPSOIL BACKFILL SHALL CONSIST OF (1) PART MANURE TO (8) PARTS TOPSOIL AND BONEMEAL @ 9 KG TO 3 CM TOPSOIL.
- ALL DISTURBED AREAS NOT SCHEDULED FOR OTHER WORK SHALL RECEIVE 100 mm OF SUITABLE ON-SITE OR IMPORTED PLANTING SOIL PRIOR TO SEEDING OR SODDING AS SPECIFIED.
- CONTRACTOR SHALL GUARANTEE ALL PLANTED MATERIALS A MINIMUM OF 1 YEAR TIME.
- CONTRACTOR SHALL MAINTAIN ALL WORK INCLUDING WATERING, MOWING, AND PROTECTION FROM TRAFFIC UNTIL FINAL ACCEPTANCE OF THE PROJECT.
- CONTRACTOR IS RESPONSIBLE TO REPAIR OR REPLACE ALL ITEMS DAMAGED OUTSIDE CONSTRUCTION LIMITS OR DISTURBED ON SITE WHICH ARE NOT PART OF THE IDENTIFIED WORK OF THIS CONTRACT.

TREE PIT PLANTING NOTES:

- REMOVE TOP 1/3 OF ALL BURLAP FABRIC AROUND ROOTBALL.
- TOP OF ROOT BALL SHALL BE PLACED 100 ± mm BELOW FINISHED GRADE OF SIDEWALK ELEVATION.
- PLANTING MIX SHALL CONSIST OF AMENDED TOPSOIL PER THE PROJECT SPECIFICATIONS.
- WASHED PEA GRAVEL SHALL BE NO LARGER THAN 50 mm IN SIZE & GREY IN COLOR, PLACED FROM THE TOP OF ROOT BALL TO 6 mm BELOW SIDEWALK GRADE.

ROADWAY LIGHTING QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
206.03	CONDUIT EXCAVATION AND BACKFILL INCL. SURFACE RESTORATION	M	2080
670.0112	FOUNDATION FOR LIGHT STANDARD, 1.2 m DEPTH	EA	59
670.2602	CONDUIT, RIGID PLASTIC, 2 NPS	M	2080
670.3010	PULLBOXES, 0.22 CM TO 0.28 CM INSIDE VOLUME	EA	8

LIGHTING NOTES:

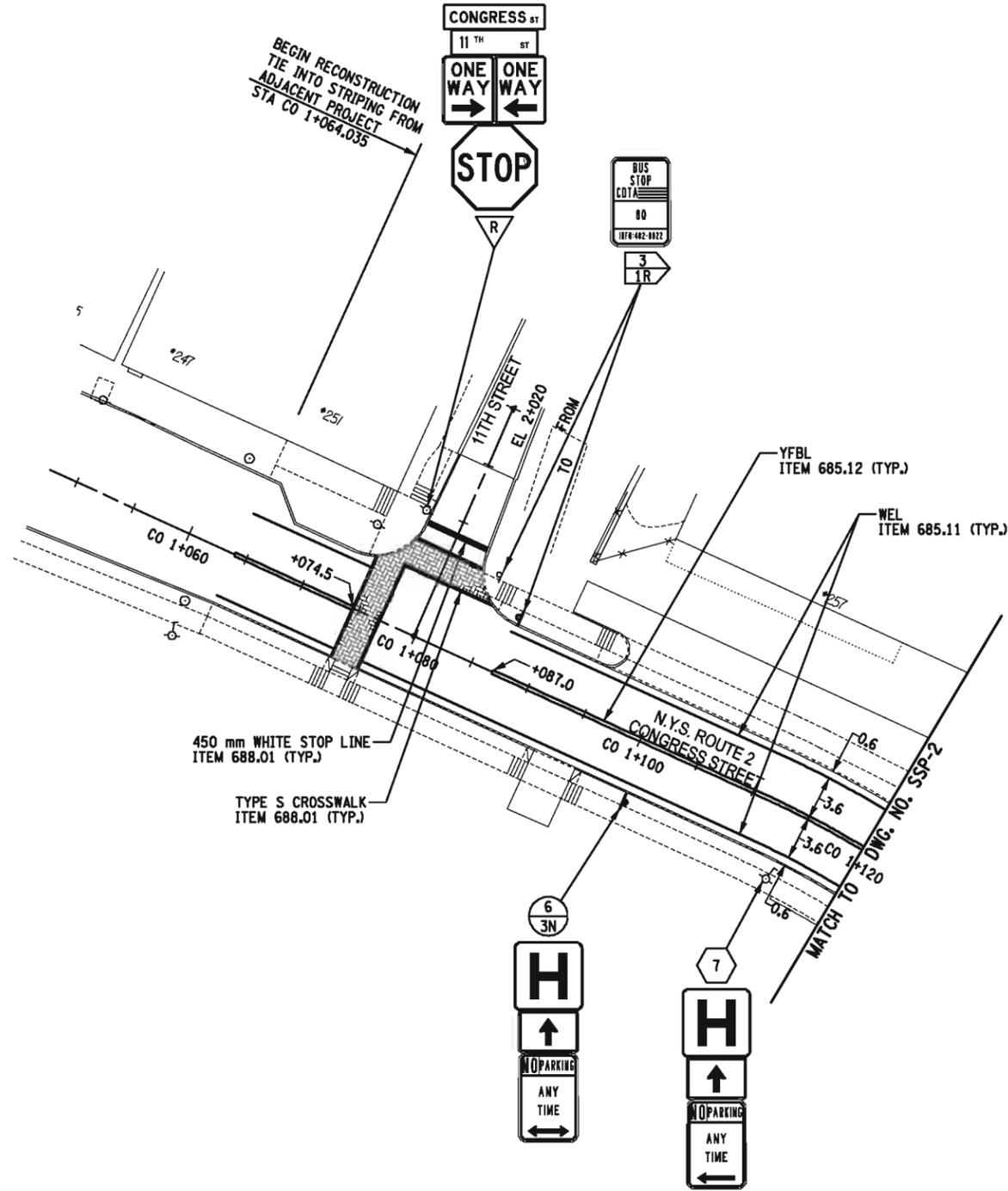
- LIGHT POLES, LUMINAIRES, LIGHTING CONDUCTORS AND POWER SERVICES SHALL BE INSTALLED BY NATIONAL GRID. CONTRACTOR SHALL COORDINATE INSTALLATION DURING CONSTRUCTION.
- LIGHT POLE FOUNDATIONS SHALL BE INSTALLED AT A DEPTH OF 1.2 m AND AS DETAILED ON NYSDOT STANDARD SHEET M670-1. CONTRACTOR SHALL CONTACT NATIONAL GRID AND CONFIRM BOLT CIRCLE REQUIREMENTS PRIOR TO CONSTRUCTION.
- PULLBOXES SHOWN ON THE PLANS ARE FOR THE INSTALLATION OF LIGHTING SYSTEM POWER SERVICE POINTS BY NATIONAL GRID. LOCATION AND NUMBER OF PULLBOXES WILL VARY BASED ON NATIONAL GRID POWER REQUIREMENTS. CONTRACTOR SHALL COORDINATE WITH NATIONAL GRID PRIOR TO CONSTRUCTION.
- POLE FOUNDATIONS SHALL BE PLACED SUCH THAT THEY ARE CENTERED NO CLOSER THAN 0.9 m FROM FACE OF CURB.
- FOUNDATION SPACING IS BASED ON THE ASSUMPTION THAT NATIONAL GRID WILL PROVIDE 150W HPS LUMINAIRES WITH IES TYPE III DISTRIBUTION (ANTIQUE STREET LAMPS MODEL AB20 OR EQUAL) AT A MOUNTING HEIGHT OF 4.8 m.
- EXISTING LIGHTS ALONG CONGRESS STREET WITHIN THE PROJECT AREA SHALL BE REMOVED BY NATIONAL GRID CORPORATION DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WORK SCHEDULE WITH NATIONAL GRID.

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	S.H. C65026	PS&E DATE: 1/10/11			LIGHTING AND LANDSCAPING TABLES AND NOTES	DRAWING NO. LLP-8 SHEET NO. 96
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
SIGNATURE	DATE	COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AH.LLP.DGN				

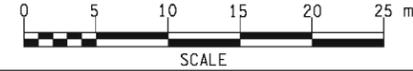


SIGNING AND STRIPING NOTES:

1. SEE NYSDOT STANDARD SHEETS (SS) M685-1R1 THROUGH M685-5R1 FOR STRIPING DESIGNATIONS AND RELATED DETAILS.
2. ALL CROSSWALKS SHALL BE 2.0 m WIDE UNLESS SPECIFIED OTHERWISE ON THE PLANS. CROSSWALKS SHALL BE PLACED SUCH THAT THEY ARE CENTERED ON THE CURB CUT RAMPS TO WHICH THEY APPLY.
3. STOP BARS SHALL BE LOCATED 1.2 m BEHIND CROSSWALKS UNLESS SPECIFIED OTHERWISE ON THE PLANS.
4. SIGN LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL INSTALL NEW SIGNS IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WITH NYS SUPPLEMENT AND THE NYSDOT STANDARD SHEETS AND SPECIFICATIONS. FOR TRAFFIC SIGN FABRICATION AND ASSEMBLY DETAILS, SEE NYSDOT SS M645-20 THROUGH M645-80R1.
5. PAYMENT FOR EXISTING SIGNS TO BE REMOVED SHALL BE INCLUDED UNDER ITEM 203.02 - UNCLASSIFIED EXCAVATION AND DISPOSAL.
6. ALL EXISTING SIGNS THAT ARE BEING LEFT IN PLACE, INCLUDING THEIR SUPPORTS, SHALL BE MAINTAINED DURING CONSTRUCTION BY THE CONTRACTOR.



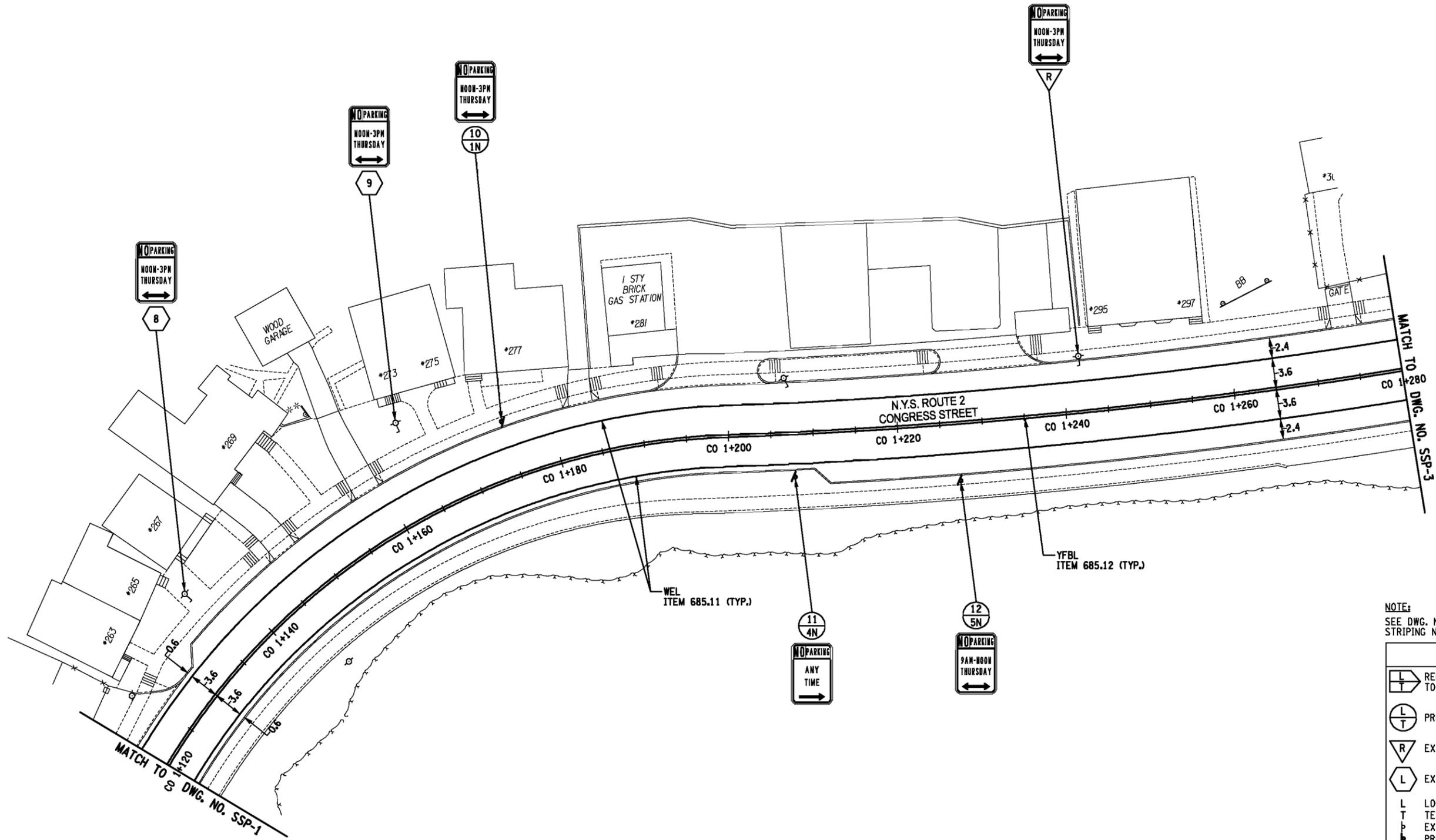
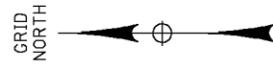
SIGNING LEGEND	
	RELOCATE EXISTING SIGN TO POSITION SHOWN
	PROPOSED SIGN INSTALLATION
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
L	LOCATION NUMBER
T	TEXT NUMBER
	EXISTING SIGN ASSEMBLY
	PROPOSED SIGN ASSEMBLY
WDL-S	WHITE DOTTED LANE LINE - SHORT
WEL	WHITE EDGE LINE
WLL	WHITE LANE LINE
YFBL	YELLOW FULL BARRIER LINE



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SIGNATURE _____	DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AA_SSP.DGN					



NOTE:
 SEE DWG. NO. SSP-1 FOR SIGNING AND STRIPING NOTES.

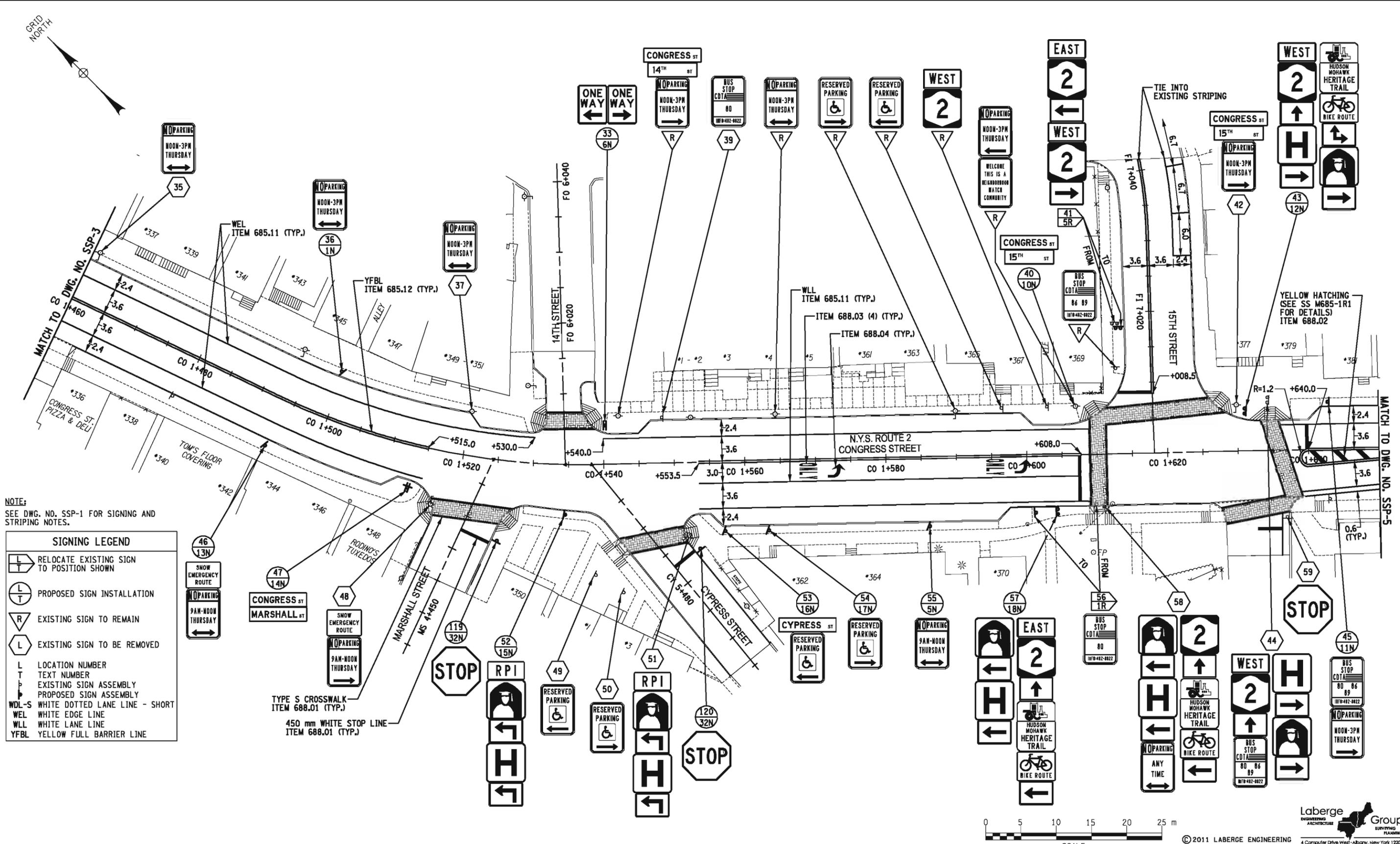
SIGNING LEGEND	
	RELOCATE EXISTING SIGN TO POSITION SHOWN
	PROPOSED SIGN INSTALLATION
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
L	LOCATION NUMBER
T	TEXT NUMBER
P	EXISTING SIGN ASSEMBLY
P	PROPOSED SIGN ASSEMBLY
WDL-S	WHITE DOTTED LANE LINE - SHORT
WEL	WHITE EDGE LINE
WLL	WHITE LANE LINE
YFBL	YELLOW FULL BARRIER LINE



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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
	CITY OF TROY		SIGNING AND STRIPING PLAN		DRAWING NO. SSP-2 SHEET NO. 98	
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AB_SSP.DGN					



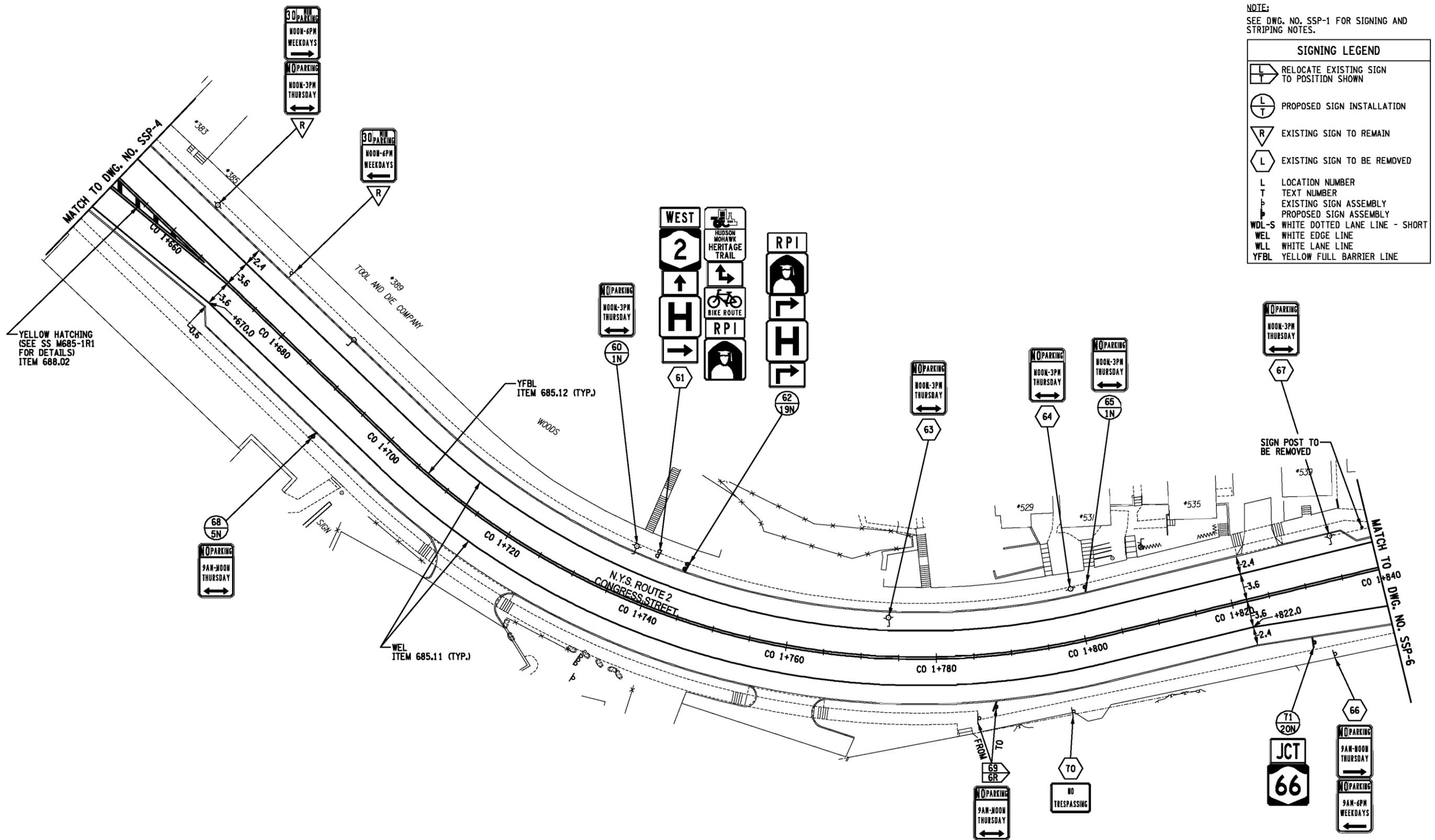
NOTE:
 SEE DWG. NO. SSP-1 FOR SIGNING AND STRIPING NOTES.

SIGNING LEGEND

- RELOCATE EXISTING SIGN TO POSITION SHOWN
- PROPOSED SIGN INSTALLATION
- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED
- L** LOCATION NUMBER
- T** TEXT NUMBER
- EXISTING SIGN ASSEMBLY
- PROPOSED SIGN ASSEMBLY
- WDL-S** WHITE DOTTED LANE LINE - SHORT
- WEL** WHITE EDGE LINE
- WLL** WHITE LANE LINE
- YFBL** YELLOW FULL BARRIER LINE

TYPE S CROSSWALK
 ITEM 688.01 (TYP.)
 450 mm WHITE STOP LINE

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66 COUNTY: RENSSELAER	SIGNING AND STRIPING PLAN			DRAWING NO. SSP-4 SHEET NO. 100
		DOCUMENT NAME: 175339AD_SSP.DGN				



NOTE:
 SEE DWG. NO. SSP-1 FOR SIGNING AND STRIPING NOTES.

SIGNING LEGEND	
	RELOCATE EXISTING SIGN TO POSITION SHOWN
	PROPOSED SIGN INSTALLATION
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
L	LOCATION NUMBER
T	TEXT NUMBER
P	EXISTING SIGN ASSEMBLY
P	PROPOSED SIGN ASSEMBLY
WDL-S	WHITE DOTTED LANE LINE - SHORT
WEL	WHITE EDGE LINE
WLL	WHITE LANE LINE
YFBL	YELLOW FULL BARRIER LINE

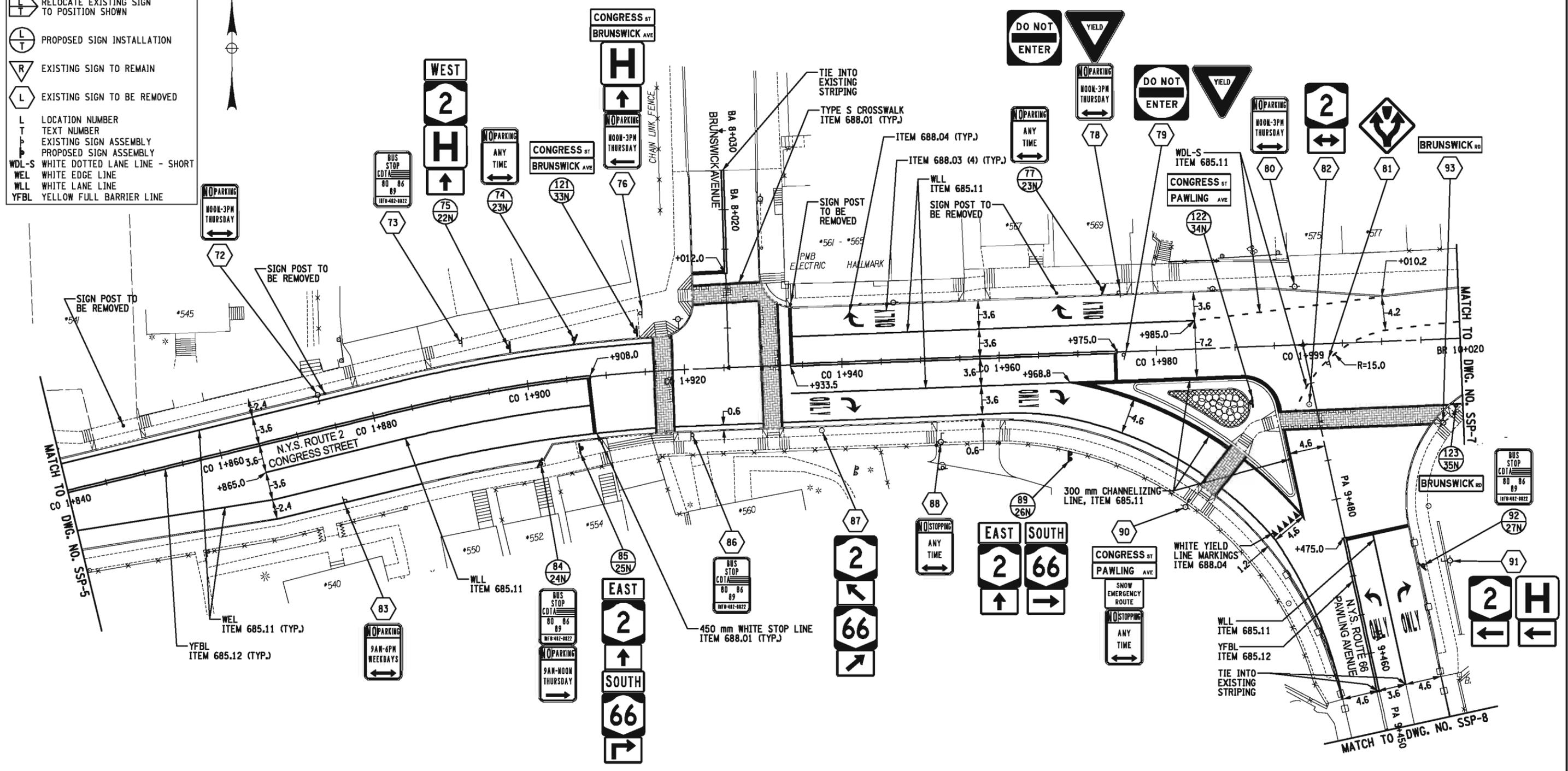


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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	CITY OF TROY		SIGNING AND STRIPING PLAN		DRAWING NO. SSP-5 SHEET NO. 101	
DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AE_SSP.DGN					

SIGNING LEGEND	
	RELOCATE EXISTING SIGN TO POSITION SHOWN
	PROPOSED SIGN INSTALLATION
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
L	LOCATION NUMBER
T	TEXT NUMBER
	EXISTING SIGN ASSEMBLY
	PROPOSED SIGN ASSEMBLY
WDL-S	WHITE DOTTED LANE LINE - SHORT
WEL	WHITE EDGE LINE
WLL	WHITE LANE LINE
YFBL	YELLOW FULL BARRIER LINE



NOTE:
 SEE DWG. NO. SSP-1 FOR SIGNING AND STRIPING NOTES.

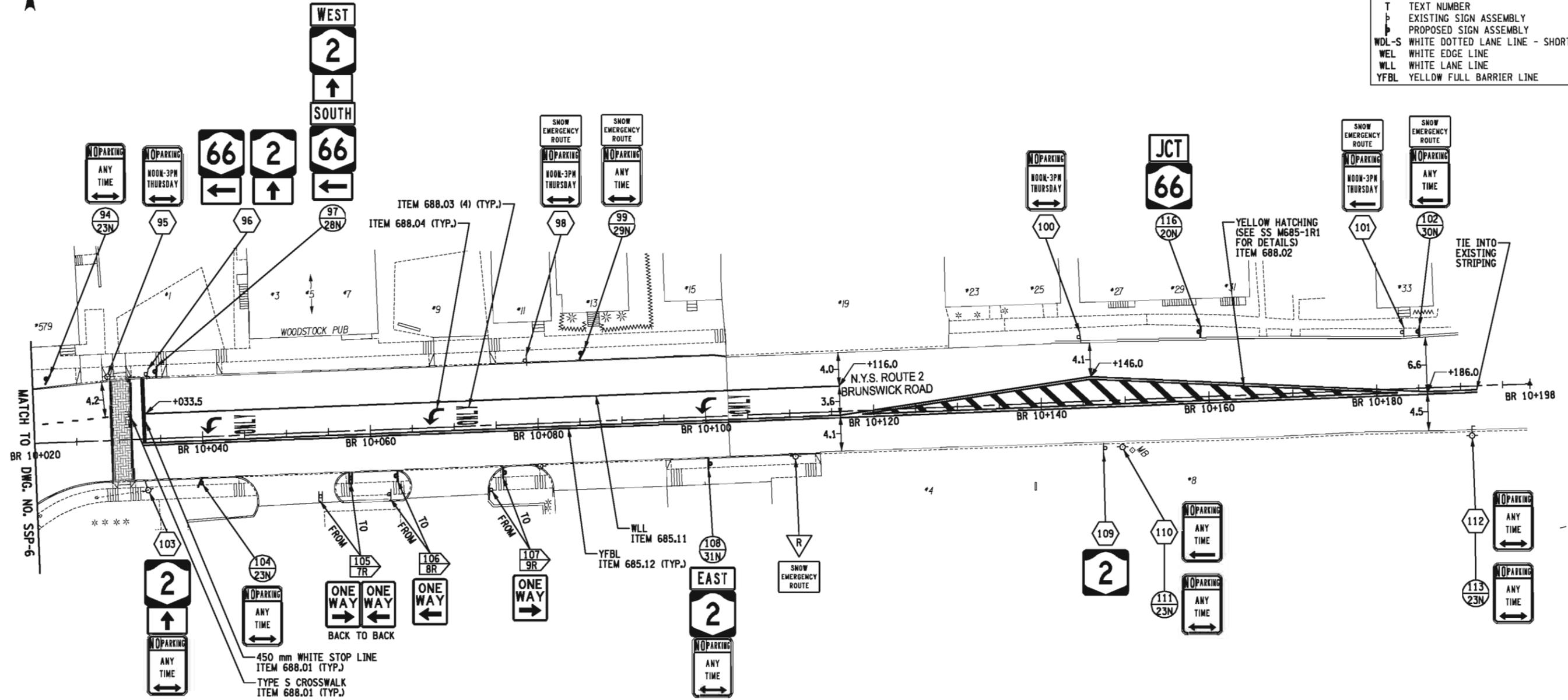


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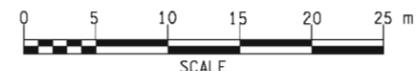
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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	CITY OF TROY		THE CITY OF TROY		SIGNING AND STRIPING PLAN	DRAWING NO. SSP-6 SHEET NO. 102
DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AF_SSP.DGN					



SIGNING LEGEND	
	RELOCATE EXISTING SIGN TO POSITION SHOWN
	PROPOSED SIGN INSTALLATION
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
L	LOCATION NUMBER
T	TEXT NUMBER
	EXISTING SIGN ASSEMBLY
	PROPOSED SIGN ASSEMBLY
WDL-S	WHITE DOTTED LANE LINE - SHORT
WEL	WHITE EDGE LINE
WLL	WHITE LANE LINE
YFBL	YELLOW FULL BARRIER LINE

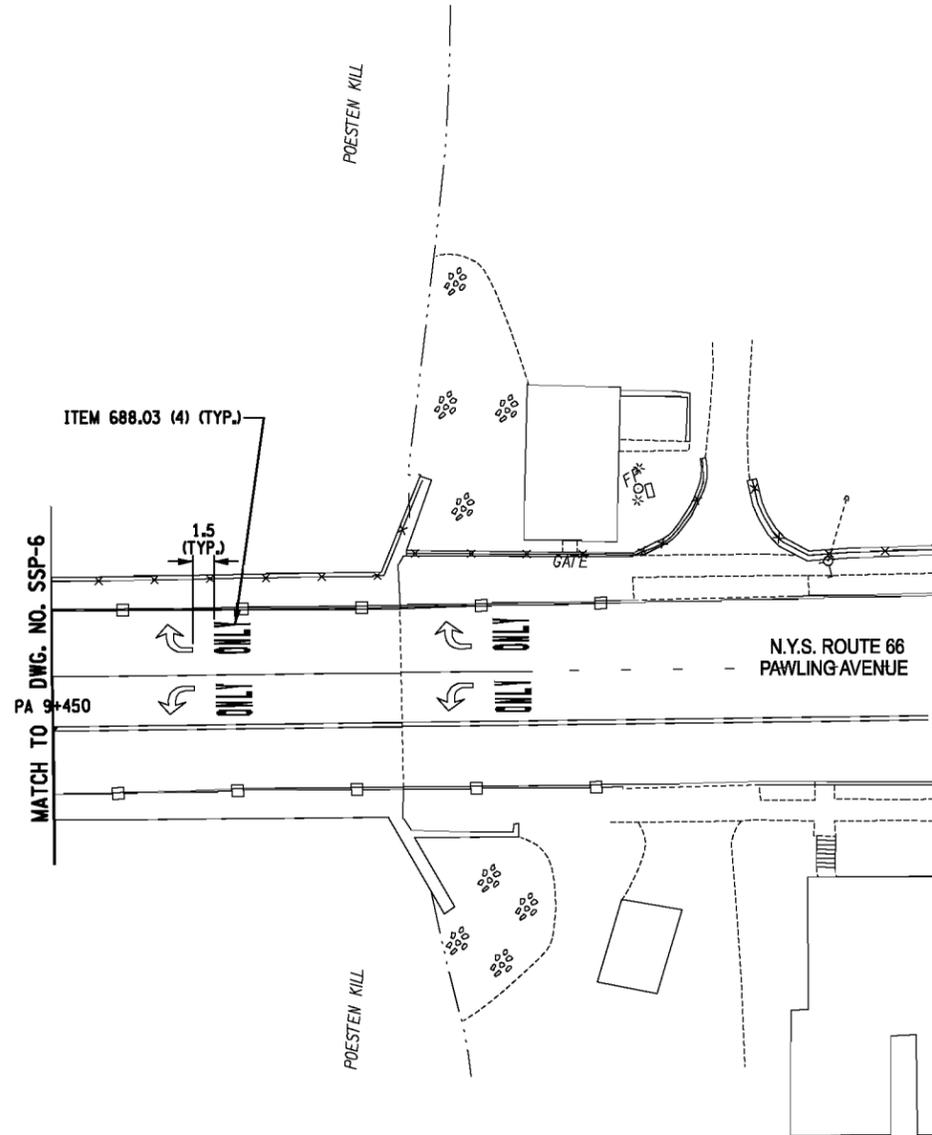


NOTE:
 SEE DWG. NO. SSP-1 FOR SIGNING AND STRIPING NOTES.



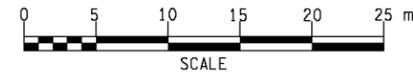
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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	SIGNATURE _____ DATE _____	S.H. C65026 CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66 COUNTY: RENSSELAER	PS&E DATE: 1/10/11	THE CITY OF TROY		
DOCUMENT NAME: 175339AG_SSP.DGN			SIGNING AND STRIPING PLAN			DRAWING NO. SSP-7 SHEET NO. 103



SIGNING LEGEND	
	RELOCATE EXISTING SIGN TO POSITION SHOWN
	PROPOSED SIGN INSTALLATION
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
L	LOCATION NUMBER
T	TEXT NUMBER
	EXISTING SIGN ASSEMBLY
	PROPOSED SIGN ASSEMBLY
WDL-S	WHITE DOTTED LANE LINE - SHORT
WEL	WHITE EDGE LINE
WLL	WHITE LANE LINE
YFBL	YELLOW FULL BARRIER LINE

NOTE:
 SEE DWG. NO. SSP-1 FOR SIGNING AND STRIPING NOTES.

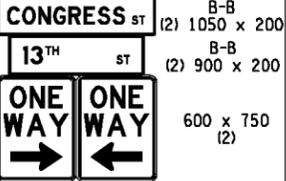
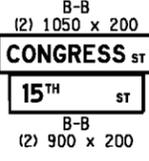


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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	CITY OF TROY		THE CITY OF TROY		SIGNING AND STRIPING PLAN	DRAWING NO. SSP-8 SHEET NO. 104
DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AH_SSP.DGN					

SIGNS TO BE INSTALLED							
TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (mm)	M.U.T.C.D. NUMBER	MOUNT
1N	10, 14, 36, 60, 65	645.5101	0.14 m ²	0.70 m ²	 300 x 450	NYP1-4	GR MTD
		645.81	1 EA	5 EA			
3N	6	645.5102	0.69 m ²	0.69 m ²	 600 x 600  525 x 375  300 x 450	D9-2	GR MTD
		645.81	1 EA	1 EA		M6-3	
		645.81	1 EA	1 EA		NYP1-2	
4N	11	645.5101	0.14 m ²	0.14 m ²	 300 x 450	NYP1-2 (R)	GR MTD
		645.81	1 EA	1 EA			
5N	12, 29, 34, 55, 68	645.5101	0.14 m ²	0.70 m ²	 300 x 450	NYP1-4	GR MTD
		645.81	1 EA	5 EA			
6N	18, 38	645.5102	0.90 m ²	1.80 m ²	 B-B 600 x 750 (2)	R6-2(L) R6-2(R)	GR MTD
		645.81	1 EA	2 EA			

SIGNS TO BE INSTALLED							
TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (mm)	M.U.T.C.D. NUMBER	MOUNT
7N	24	645.5102	1.68 m ²	1.68 m ²	 B-B (2) 1050 x 200 B-B (2) 900 x 200 600 x 750 (2)	D3-1 D3-1	GR MTD
		645.81	1 EA	1 EA			
8N	27	645.5101	0.28 m ²	0.28 m ²	 300 x 450  300 x 450	NYP1-4	GR MTD
		645.81	1 EA	1 EA		SEE NOTE 7	
		645.81	1 EA	1 EA		SEE NOTE 7	
9N	114, 115	645.5101	0.14 m ²	0.28 m ²	 300 x 450	R7-8	WALL MTD
10N	40	645.5101	0.78 m ²	0.78 m ²	 B-B (2) 1050 x 200 B-B (2) 900 x 200	D3-1 D3-1	UTILITY POLE (SEE NOTE 8)
11N	45	645.5101	0.27 m ²	0.27 m ²	 300 x 450  300 x 450	SEE NOTE 6	GR MTD
		645.81	1 EA	1 EA		NYP1-4 (R)	

- NOTES:
- SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE MUTCD. THE EIC SHALL CONTACT THE REGIONAL TRAFFIC ENGINEERING AND SAFETY GROUP TO DISCUSS PROBLEM AREAS.
 - THE PAYMENT FACTORS FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.
 - THE PAYMENT FACTOR FOR POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
 - THE TOTAL PAYMENT QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS (SHOWN IN THE LOWER RIGHT CORNER OF THE LOCATIONS BLOCK) BY THE PAYMENT FACTOR.
 - CONTRACTOR TO CONTACT TROY HISTORICAL SOCIETY TO OBTAIN EXACT DESIGN OF THE "MOHAWK HUDSON HERITAGE TRAIL" SIGN.
 - BUS STOP SIGN IS SHOWN FOR INFORMATION ONLY. CONTRACTOR SHALL CONTACT CDTA FOR SIGN DESIGN INFORMATION AND TO VERIFY ROUTE NUMBERS.
 - SIGN TEXT FOR LOCATON NO. 27 SHALL MATCH NEIGHBORHOOD WATCH SIGN BEING REMOVED FROM LOCATION NO. 23. IF THE SIGN AT LOCATION NO. 23 IS SALVAGABLE, IT MAY BE USED AT THIS LOCATION.
 - REUSE EXISTING BRACKETS AT SIGN LOCATION 40.

LEGEND		
SYMBOL	DESCRIPTION	GENERAL NOTES
GR MTD OH MTD BR MTD PO MTD B-B	GROUND MOUNTED OVERHEAD MOUNTED BRIDGE MOUNTED POLE MOUNTED BACK TO BACK	1. THE FOLLOWING SHALL BE IN ACCORDANCE WITH MUTCD REQUIREMENTS FOR THE SPECIFIED MUTCD SIGN CODE: A. LETTER SIZE AND SERIES B. LEGEND AND BACKGROUND COLOR C. REFLECTIVITY D. SIZE AND SHAPE OF SIGN 2. THE TYPE OF CHARACTERS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SHALL BE AS FOLLOWS: MUTCD CODE LETTER TYPE OF CHARACTER G & I IV R, P, W, & M IV OR V
	NEW SIGN	
	LOCATION NUMBER	
	TEXT NUMBER	
	SIGN REMOVAL	
	RELOCATE TO POSITION SHOWN	
	TO REMAIN	

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN mm UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	DATE _____	PS&E DATE: 1/10/11	THE CITY OF TROY		SIGN DATA SHEET	DRAWING NO. SDS-1 SHEET NO. 105
		DOCUMENT NAME: 175339AA_SDS.DGN				



SIGNS TO BE INSTALLED								
TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (mm)	M.U.T.C.D. NUMBER	MOUNT	
12N	43	645.5102	2.47 m ²	2.47 m ²	WEST 2 ↑ H →	M3-4 SEE NOTE 5 NYM3-1 M6-3 D11-1 M6-6 (R) D9-2 NYMB-5 M6-1 (R)	GR MTD	
		645.830102	2 EA	2 EA	600 x 300 600 x 600 525 x 375 600 x 600 525 x 375	300 x 450 600 x 450 525 x 375 600 x 600 525 x 375		
13N	46	645.5102	0.41 m ²	0.41 m ²	SNOW EMERGENCY ROUTE	600 x 450	NYR7-10	GR MTD
		645.81	1 EA	1 EA	NO PARKING 9AM-NOON THURSDAY	300 x 450	NYP1-4	
14N	47	645.5101	0.84 m ²	0.84 m ²	(2) 1050 x 200 B-B CONGRESS ST	D3-1	GR MTD	
		645.81	1 EA	1 EA	MARSHALL ST (2) 1050 x 200 B-B	D3-1		
15N	52	645.5102	1.29 m ²	1.29 m ²	RPI	600 x 300	D2-1	GR MTD
		645.5102	1.29 m ²	1.29 m ²	↑	600 x 600	NYMB-5	
		645.81	2 EA	2 EA	←	525 x 375	M5-1 (L)	
		645.81	2 EA	2 EA	H	600 x 600	D9-2	
645.81	2 EA	2 EA	↙	525 x 375	M5-1 (L)			

SIGNS TO BE INSTALLED								
TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (mm)	M.U.T.C.D. NUMBER	MOUNT	
16N	53	645.5101	0.56 m ²	0.56 m ²	(2) 1050 x 200 B-B CYPRESS ST	D3-1	GR MTD	
		645.81	1 EA	1 EA	RESERVED PARKING	300 x 450		R7-8 (L)
17N	54	645.5101	0.14 m ²	0.14 m ²	RESERVED PARKING	300 x 450	GR MTD	
		645.81	1 EA	1 EA	RESERVED PARKING	300 x 450		
18N	57	645.5102	2.47 m ²	2.47 m ²	← H ←	M6-1 (R) D9-2 M6-1 (L)	GR MTD	
		645.830102	2 EA	2 EA	↑ HUDSON MOHAWK HERITAGE TRAIL BIKE ROUTE ←	NYMB-5 NYM3-1 M6-3 D11-1 M6-1 (L)		
19N	62	645.5102	1.29 m ²	1.29 m ²	RPI	600 x 300	D2-1	GR MTD
		645.5102	1.29 m ²	1.29 m ²	↑	600 x 600	NYMB-5	
		645.81	2 EA	2 EA	↗	525 x 375	M5-1 (R)	
		645.81	2 EA	2 EA	H	600 x 600	D9-2	
645.81	2 EA	2 EA	↘	525 x 375	M5-1 (R)			

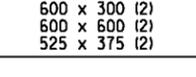
NOTES:
 1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE MUTCD. THE EIC SHALL CONTACT THE REGIONAL TRAFFIC ENGINEERING AND SAFETY GROUP TO DISCUSS PROBLEM AREAS.
 2. THE PAYMENT FACTORS FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.
 3. THE PAYMENT FACTOR FOR POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
 4. THE TOTAL PAYMENT QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS (SHOWN IN THE LOWER RIGHT CORNER OF THE LOCATIONS BLOCK) BY THE PAYMENT FACTOR.
 5. CONTRACTOR TO CONTACT TROY HISTORICAL SOCIETY TO OBTAIN EXACT DESIGN OF THE "MOHAWK HUDSON HERITAGE TRAIL" SIGN.

LEGEND		
SYMBOL	DESCRIPTION	GENERAL NOTES
GR MTD OH MTD BR MTD PO MTD B-B	GROUND MOUNTED OVERHEAD MOUNTED BRIDGE MOUNTED POLE MOUNTED BACK TO BACK	1. THE FOLLOWING SHALL BE IN ACCORDANCE WITH MUTCD REQUIREMENTS FOR THE SPECIFIED MUTCD SIGN CODE: A. LETTER SIZE AND SERIES B. LEGEND AND BACKGROUND COLOR C. REFLECTIVITY D. SIZE AND SHAPE OF SIGN
⊕	NEW SIGN LOCATION NUMBER TEXT NUMBER	
⬡	SIGN REMOVAL	2. THE TYPE OF CHARACTERS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SHALL BE AS FOLLOWS: MUTCD CODE LETTER TYPE OF CHARACTER G & I IV R, P, W, & M IV OR V
⬠	RELOCATE TO POSITION SHOWN	
⬡	TO REMAIN	

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN mm UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	DATE _____	PS&E DATE: 1/10/11	THE CITY OF TROY		SIGN DATA SHEET	DRAWING NO. SDS-2 SHEET NO. 106



SIGNS TO BE INSTALLED							
TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (mm)	M.U.T.C.D. NUMBER	MOUNT
20N	71, 116	645.5102	0.56 m ²	1.12 m ²	 525 x 375	M2-1	GR MTD
		645.81	1 EA	2 EA	 600 x 600	NYM3-1	
22N	75	645.5102	1.10 m ²	1.10 m ²	 600 x 300	M3-4	GR MTD
		645.81	1 EA	1 EA	 600 x 600	NYM3-1	
		645.81	1 EA	1 EA	 600 x 600	D9-2	
23N	74, 77, 94, 104, 111, 113	645.5101	0.14 m ²	0.84 m ²	 300 x 450	NYP1-2	GR MTD
		645.81	1 EA	6 EA			
24N	84	645.5101	0.28 m ²	0.28 m ²	 300 x 450	SEE NOTE 6	GR MTD
		645.81	1 EA	1 EA	 300 x 450	NYP1-4 (R)	

SIGNS TO BE INSTALLED							
TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (mm)	M.U.T.C.D. NUMBER	MOUNT
25N	85	645.5102	1.47 m ²	1.47 m ²	 600 x 300	M3-2	GR MTD
		645.81	2 EA	2 EA	 600 x 600	NYM3-1	
26N	89	645.5102	1.47 m ²	1.47 m ²	 525 x 375	M6-3	GR MTD
		645.81	2 EA	2 EA	 600 x 300	M3-3	
27N	92	645.5101	0.14 m ²	0.14 m ²	 600 x 600	NYM3-1	GR MTD
		645.81	1 EA	1 EA	 525 x 375	M5-1 (R)	
28N	97	645.5102	1.47 m ²	1.47 m ²	 600 x 300	M3-2	GR MTD
		645.81	2 EA	2 EA	 600 x 300	M3-3	
28N	97	645.81	2 EA	2 EA	 600 x 600	NYM3-1	GR MTD
					 525 x 375	M6-1 (L)	

- NOTES:
- SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE MUTCD. THE EIC SHALL CONTACT THE REGIONAL TRAFFIC ENGINEERING AND SAFETY GROUP TO DISCUSS PROBLEM AREAS.
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LEGEND		
SYMBOL	DESCRIPTION	GENERAL NOTES
GR MTD OH MTD BR MTD PO MTD B-B	GROUND MOUNTED OVERHEAD MOUNTED BRIDGE MOUNTED POLE MOUNTED BACK TO BACK	1. THE FOLLOWING SHALL BE IN ACCORDANCE WITH MUTCD REQUIREMENTS FOR THE SPECIFIED MUTCD SIGN CODE: A. LETTER SIZE AND SERIES B. LEGEND AND BACKGROUND COLOR C. REFLECTIVITY D. SIZE AND SHAPE OF SIGN
	NEW SIGN LOCATION NUMBER TEXT NUMBER	
	SIGN REMOVAL	2. THE TYPE OF CHARACTERS AS SPECIFIED IN THE STANDARD SPECIFICATIONS SHALL BE AS FOLLOWS: MUTCD CODE LETTER TYPE OF CHARACTER G & I IV R, P, W, & M IV OR V
	RELOCATE TO POSITION SHOWN	
	TO REMAIN	

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN mm UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY		SIGN DATA SHEET	DRAWING NO. SDS-3 SHEET NO. 107
SIGNATURE _____	DATE _____					
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AC_SDS.DGN					



SIGNS TO BE INSTALLED							
TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (mm)	M.U.T.C.D. NUMBER	MOUNT
29N	99	645.5102	0.41 m ²	0.41 m ²	600 x 450	NYR7-10	GR MTD
		645.81	1 EA	1 EA	300 x 450	NYP1-2	
30N	102	645.5102	0.41 m ²	0.41 m ²	600 x 450	NYR7-10	GR MTD
		645.81	1 EA	1 EA	300 x 450	NYP1-2 (L)	
31N	108	645.5102	0.68 m ²	0.68 m ²	600 x 300	M3-2	GR MTD
		645.81	1 EA	1 EA	600 x 600 300 x 450	NYM3-1 NYP1-2	
32N	117, 118, 119, 120	645.5102	0.56 m ²	2.24 m ²	750 x 750	R1-1	GR MTD
		645.81	1 EA	4 EA			
33N	121	645.5102	0.84 m ²	0.84 m ²	(2) 1050 x 200 B-B 1050 x 200 B-B	D3-1	GR MTD
		645.81	1 EA	1 EA	1050 x 200 B-B	D3-1	
34N	122	645.5102	0.84 m ²	0.84 m ²	(2) 1050 x 200 B-B 1050 x 200 B-B	D3-1	GR MTD
		645.81	1 EA	1 EA	1050 x 200 B-B	D3-1	
35N	123	645.5102	0.42 m ²	0.42 m ²	(2) 1050 x 200 B-B 1050 x 200 B-B	D3-1	GR MTD
		645.81	1 EA	1 EA			

SIGNS TO BE RELOCATED							
TEXT NO.	LOCATION NO.	ITEM NO.	TEXT	APPROXIMATE SIZE OF SIGN	TEXT NO.	LOCATION NO.	ITEM NO.
1R	3, 25, 33, 56	647.11	300 x 450 (0.14 m ²)	300 x 450 (0.14 m ²)	6R	69	647.11
2R	22	647.11	750 x 750 (0.56 m ²)	750 x 750 (0.56 m ²)	7R	105	647.11
3R	31	647.11	300 x 450 300 x 225 300 x 450 (0.34 m ²)	300 x 450 300 x 225 300 x 450 (0.34 m ²)	8R	106	647.11
4R	32	647.11	600 x 450 300 x 450 300 x 225 (0.47 m ²)	600 x 450 300 x 450 300 x 225 (0.47 m ²)	9R	107	647.11
5R	41	647.12	550 x 375 (2) 600 x 600 (2) 525 x 375 (2)	550 x 375 (2) 600 x 600 (2) 525 x 375 (2)			

NOTES:
 1. SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNS AND INSTALL NEW SIGNS IN ACCORDANCE WITH THE MUTCD. THE EIC SHALL CONTACT THE REGIONAL TRAFFIC ENGINEERING AND SAFETY GROUP TO DISCUSS PROBLEM AREAS.
 2. THE PAYMENT FACTORS FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.
 3. THE PAYMENT FACTOR FOR POSTS IS THE NUMBER OF POSTS PROVIDED PER INSTALLATION.
 4. THE TOTAL PAYMENT QUANTITY IS OBTAINED BY MULTIPLYING THE NUMBER OF LOCATIONS (SHOWN IN THE LOWER RIGHT CORNER OF THE LOCATIONS BLOCK) BY THE PAYMENT FACTOR.
 5. CONTRACTOR TO CONTACT TROY HISTORICAL SOCIETY TO OBTAIN EXACT DESIGN OF THE "MOHAWK HUDSON HERITAGE TRAIL" SIGN.

SIGNS TO BE REMOVED		
LOC. NO.	TEXT DESCRIPTION	QUANT.
7	HOSPITAL/NO PARKING	1
8	NO PARKING	1
9	NO PARKING	1
13	NO PARKING	1
15	STOP	1
16	NO PARKING	1
17	NO PARKING	1
19	STOP	1
20	HANDICAP PARKING	1
21	HANDICAP PARKING	1
23	NO PARKING/NEIGHBORHOOD WATCH	1
26	NO PARKING/STREET NAMES	1
28	BUS STOP	1
30	NO PARKING/STREET NAMES	1
35	NO PARKING	1
37	NO PARKING	1
39	BUS STOP	1
42	NO PARKING/STREET NAMES	1
44	ROUTE 2/HOSPITAL/RPI/BUS STOP	1
48	NO PARKING/SNOW EMERGENCY	1
49	HANDICAP PARKING	1
50	HANDICAP PARKING	1
51	HOSPITAL/RPI	1
58	RTE 2/HOSP/RPI/BIKE RTE/NO PARK	1
59	STOP	1
61	RTE 2/HOSPITAL/RPI/BIKE ROUTE	1
63	NO PARKING	1
64	NO PARKING	1
66	NO PARKING (2)	1
67	NO PARKING	1
70	NO TRESPASSING	1
72	NO PARKING	1
73	BUS STOP	1
76	NO PARKING/HOSPITAL/ST NAMES	1
78	YIELD/DO NOT ENTER/NO PARKING	1
79	YIELD/DO NOT ENTER	1
80	NO PARKING	1
81	TRAFFIC DIVERGE	1
82	ROUTE 2	1
83	NO PARKING	1
86	BUS STOP	1
87	ROUTE 2/ROUTE 66	1
88	NO STOPPING	1
90	NO STOP/SNOW EMERG/ST NAMES	1
91	ROUTE 2/HOSPITAL	1
93	STREET NAME	1
95	NO PARKING	1
96	ROUTE 66/ROUTE 2	1
98	NO PARKING/SNOW EMERGENCY	1
100	NO PARKING	1
101	NO PARKING/SNOW EMERGENCY	1
103	ROUTE 2/NO PARKING	1
109	ROUTE 2	1
110	NO PARKING	1
112	NO PARKING	1

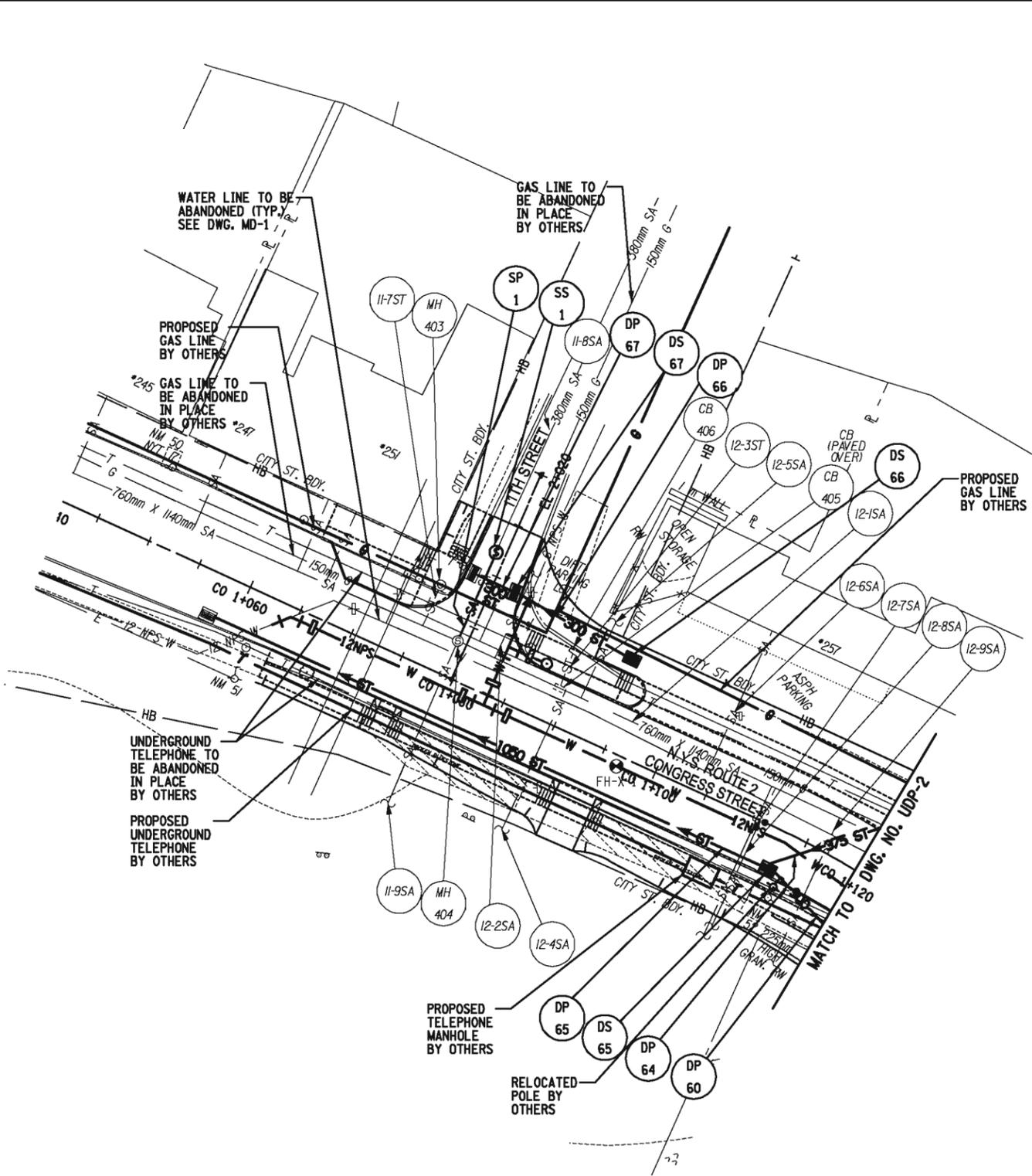
TOTAL NUMBER OF SIGN REMOVALS 55



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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN mm UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	DATE _____	PS&E DATE: 1/10/11	THE CITY OF TROY		SIGN DATA SHEET	DRAWING NO. SDS-4 SHEET NO. 108

- NOTES:**
1. THE CONTRACTOR SHALL EXCAVATE TEST PITS (A.O.B.E.) TO VERIFY LOCATIONS OF SUBSURFACE UTILITIES, DETERMINE ACTUAL LOCATION AND PROVIDE ADEQUATE CLEARANCE FOR THE INSTALLATION OF NEW WATER, SANITARY SEWER AND STORM SEWER FACILITIES. PAYMENT FOR TEST PITS SHALL BE PROVIDED UNDER ITEM 206.05. IF CONFLICTS OCCUR, THE CONTRACTOR SHALL MODIFY THE PROPOSED WATER, SANITARY SEWER AND STORM SEWER FACILITIES TO ELIMINATE CONFLICTS. IF CONFLICTS CANNOT BE ELIMINATED, THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY TO PROVIDE FOR ITS RELOCATION.
 2. GAS MAINS, GAS VALVES, UNDERGROUND TELEPHONE LINES, TELEPHONE MANHOLES, UNDERGROUND FIBEROPTIC LINES, UNDERGROUND ELECTRIC LINES AND ELECTRIC MANHOLES WILL REQUIRE RELOCATION OR ADJUSTMENTS DUE TO PROPOSED WATER, SANITARY SEWER AND STORM SEWER FACILITIES AND ALSO TO MEET PROPOSED GRADE. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNER FOR RELOCATION OR ADJUSTMENTS.
 3. SOME OF THE UTILITY POLES TO BE RELOCATED INCLUDE STREET LIGHTING. THE OWNER OF THE UTILITY POLES WILL ALSO RELOCATE THE LIGHTING AS REQUIRED.
 4. NO RESPONSIBILITY IS ASSUMED FOR THE POSSIBLE EXISTENCE OF SUBSURFACE UTILITIES NOT SHOWN HEREON. NO WARRANTY IS MADE AS TO THE ACCURACY OF ANY UTILITY LINES SHOWN HEREON. IT IS THE CONTRACTOR'S RESPONSIBILITY UNDER CODE 53 TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES.
 5. EXCAVATION PROTECTION SYSTEM SHALL BE REQUIRED FOR ALL EXCAVATIONS GREATER THAN 1.525 m AND WHERE TRENCH CANNOT BE LAID BACK TO MEET OSHA REQUIREMENTS. COST TO BE INCLUDED UNDER ITEM 552.16.
 6. DRAINAGE STRUCTURES SHALL BE PRECAST CONCRETE UNITS MEETING THE REQUIREMENTS OF SECTION 706-04 OF THE NYS DOT STANDARD SPECIFICATIONS. FOR ADDITIONAL DRAINAGE STRUCTURE DETAILS, SEE NYS DOT STANDARD SHEETS NOS. M604-5R2, M604-6R1, M604-7 AND M604-8R1.
 7. SHOP DRAWINGS ARE REQUIRED FOR ALL PRECAST DRAINAGE STRUCTURES WHICH WILL SHOW ALL DETAILS FOR EACH UNIT. SHOP DRAWINGS TO BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL PRIOR TO FABRICATION.
 8. MINIMUM HEIGHT FOR ALL PRECAST SECTIONS, OTHER THAN BASE SLABS, SHALL BE 0.3 m.
 9. STEPS ARE REQUIRED FOR ALL DRAINAGE STRUCTURES OVER 1.2 m DEEP. STEPS SHALL MEET THE REQUIREMENTS OF SECTION 725 OF THE NYS DOT STANDARD SPECIFICATIONS.
 10. THE ENDS OF PIPE SHALL PROTRUDE 50 mm INTO THE STRUCTURE TO PROVIDE FOR A 45° BATTERED GROUT SEAL. THE SEAL SHALL BE PROVIDED AND APPLIED TO BOTH INTERIOR AND EXTERIOR FACES OF THE STRUCTURE BY THE CONTRACTOR. COST OF THIS WORK SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
 11. THE CONTRACTOR WILL BE REQUIRED TO CLEAN ANY ACCUMULATION OF SILT, DEBRIS OR FOREIGN MATTER OF ANY KIND AND THE SYSTEM SHALL BE KEPT CLEAN OF SUCH ACCUMULATION UNTIL FINAL ACCEPTANCE OF THE WORK. THIS COST WILL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
 12. THE COST OF SAWCUTTING EXISTING PAVEMENT FOR STORM SEWER EXTENSIONS SHALL BE INCLUDED UNDER VARIOUS ITEMS IN THE CONTRACT.
 13. ADJUSTMENT TO BRING THE FRAME AND GRATE TO FINAL GRADE SHALL BE IN ACCORDANCE WITH NYS DOT STANDARD SHEET M604-5R2.
 14. SEE DWG. NOS. PR-1 TO PR-11 FOR PROFILE OF PROPOSED DRAINAGE SYSTEM AND PROPOSED WATER MAIN.
 15. SEE DWG. NOS. DT-1 TO DT-4 FOR PROPOSED DRAINAGE SYSTEM INFORMATION.
 16. SEE DWG. NOS. WP-1 TO WP-7 FOR PROPOSED WATER MAIN INFORMATION.
 17. SEE DWG. NOS. MT-1 TO MT-14 FOR EXISTING COMBINED SANITARY & STORM SEWER AND PROPOSED SANITARY SEWER INFORMATION.



LEGEND

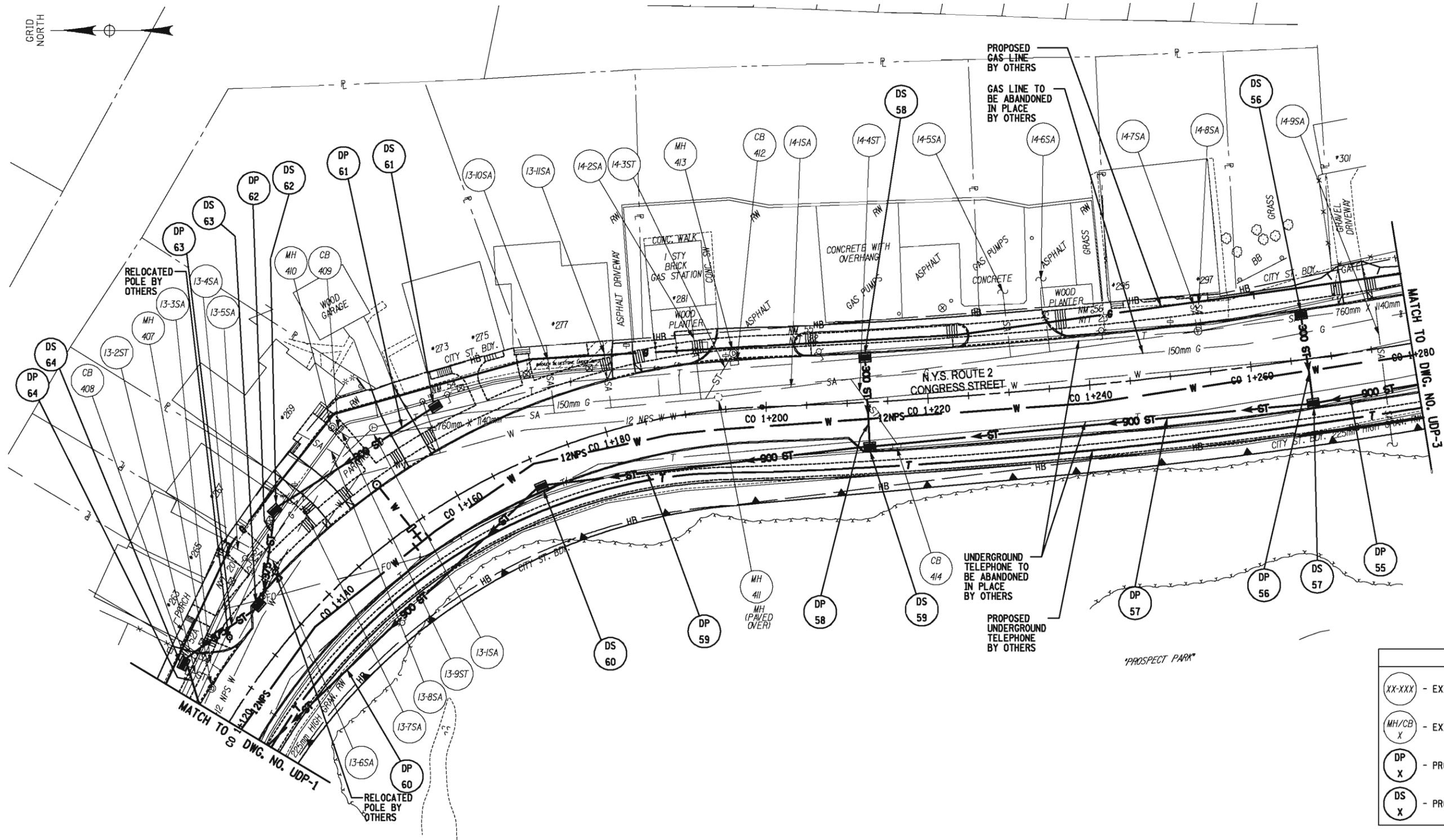
XX-XXX	- EXISTING SEWER PIPE
MH/CB X	- EXISTING SEWER STRUCTURE
DP X	- PROPOSED DRAINAGE PIPE
DS X	- PROPOSED DRAINAGE STRUCTURE
SP X	- PROPOSED SANITARY PIPE
SS X	- PROPOSED SANITARY STRUCTURE



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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY	UTILITY AND DRAINAGE PLAN		DRAWING NO. UDP-1 SHEET NO. 109	
DOCUMENT NAME: 175339AA_UDP.DGN						



LEGEND	
XX-XXX	- EXISTING SEWER PIPE
MH/CB X	- EXISTING SEWER STRUCTURE
DP X	- PROPOSED DRAINAGE PIPE
DS X	- PROPOSED DRAINAGE STRUCTURE

NOTE:
REFER TO DWG. NO. UDP-1 FOR SPECIFIC NOTES.



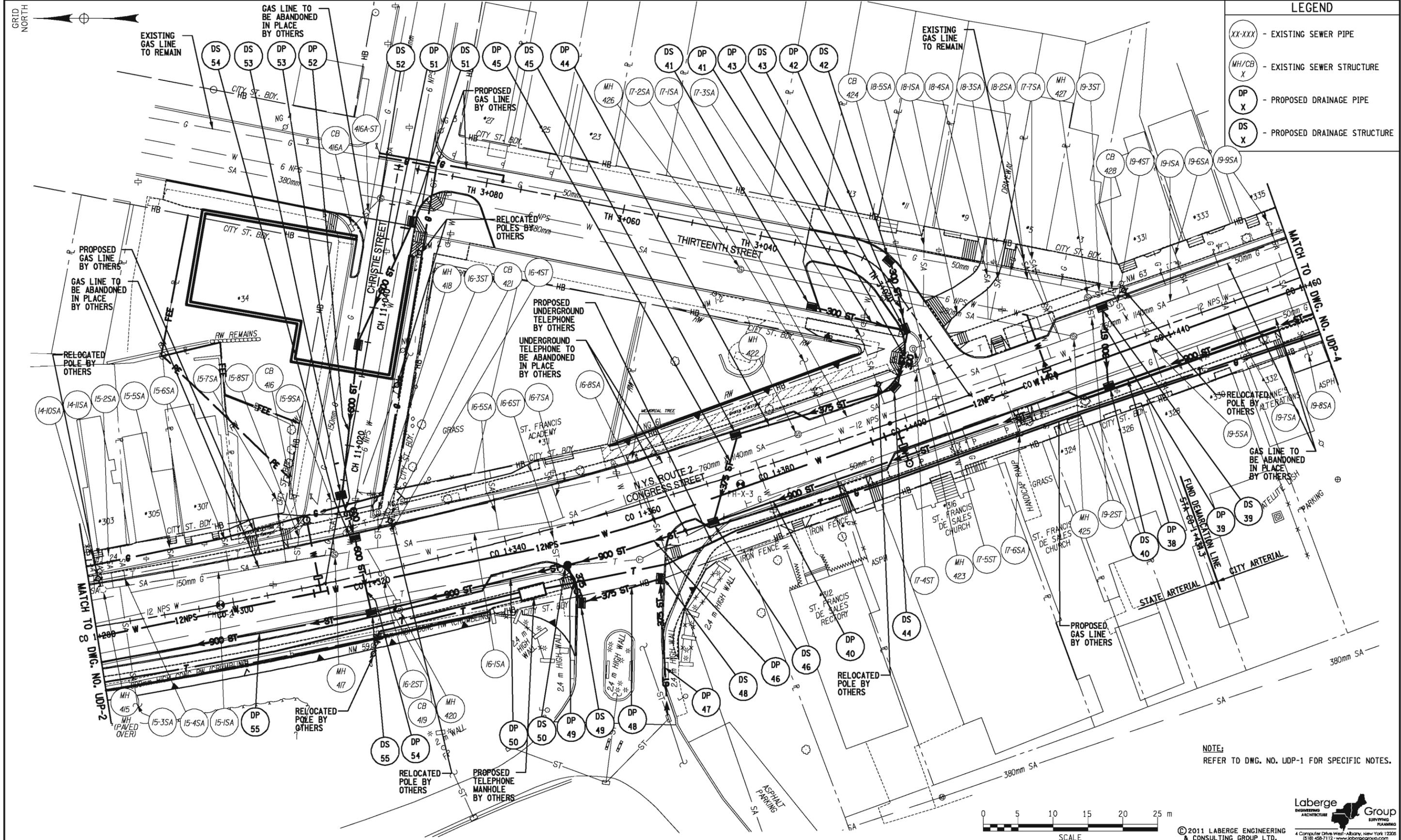
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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
	CITY OF TROY		UTILITY AND DRAINAGE PLAN		DRAWING NO. UDP-2 SHEET NO. 110	
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AB_UDP.DGN					

FILE NAME = J:\198048\Cadd\175339AC_UDP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCZOWSKI DESIGNED BY M. WIESZCZOWSKI CHECKED BY D. RHODES DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



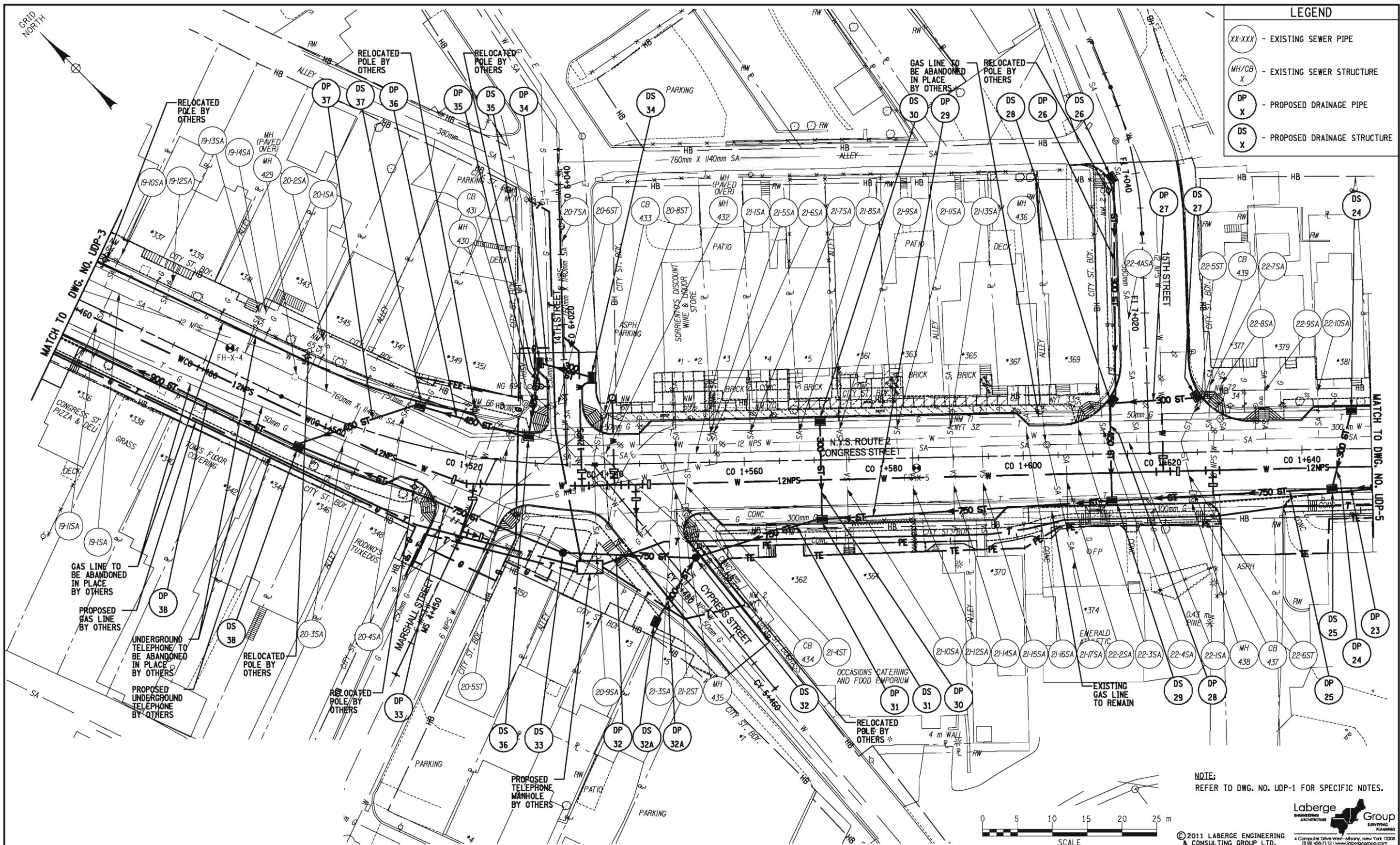
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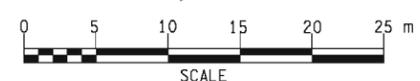
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	S.H. C65026		PS&E DATE: 1/10/11									
CITY OF TROY		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66		COUNTY: RENSSELAER				UTILITY AND DRAINAGE PLAN		DRAWING NO. UDP-3 SHEET NO. 111		
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 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO CHECKED BY D. RHODES DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



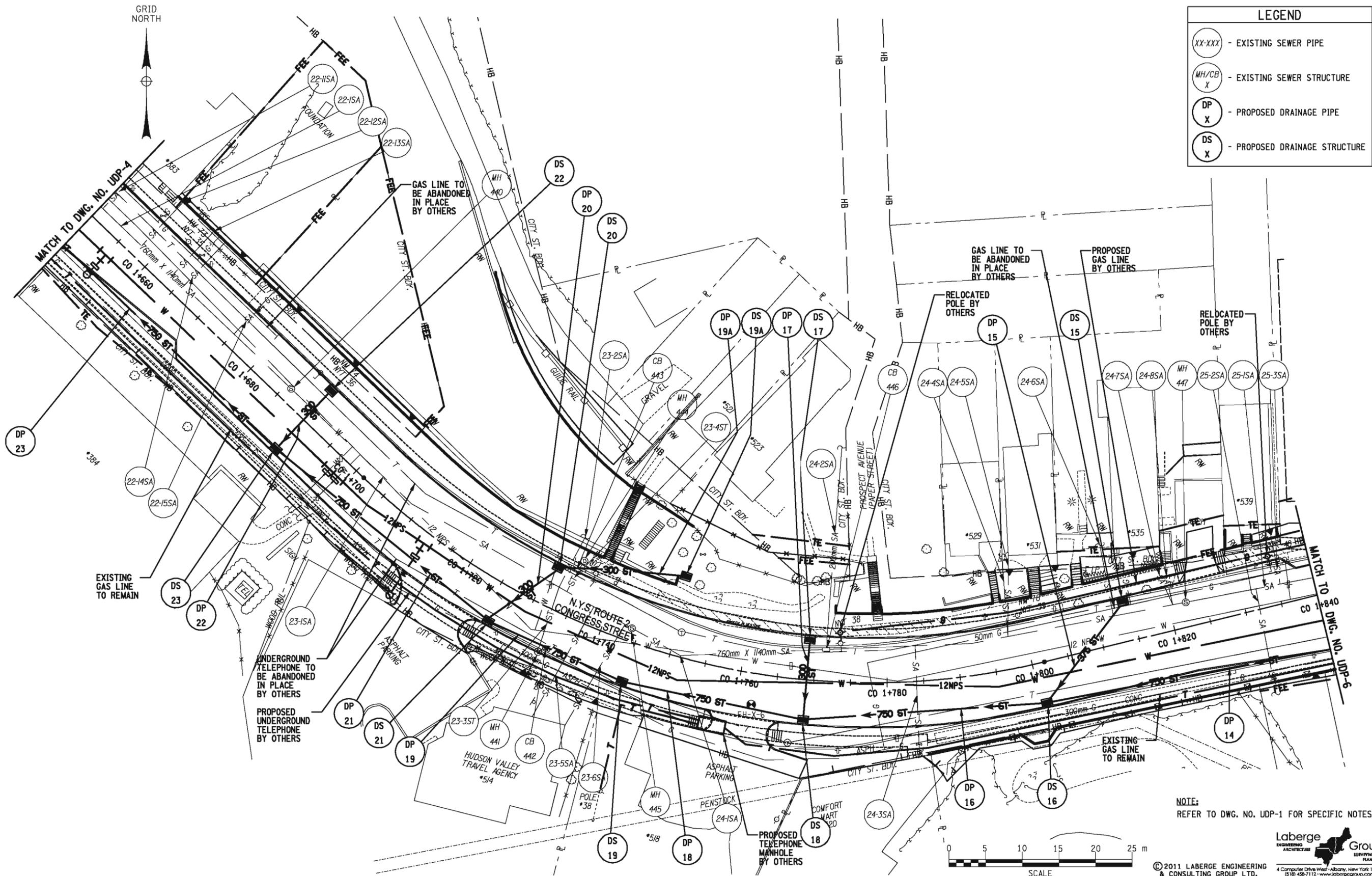
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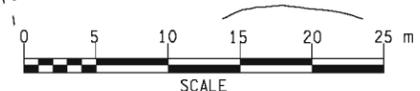
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	S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY		UTILITY AND DRAINAGE PLAN		DRAWING NO. UDP-4 SHEET NO. 112		
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AD_UDP.DGN						

FILE NAME = J:\98048\Cadd\175339AE_UDP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCOWSKI DESIGNED BY M. WIESZCOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



NOTE:
REFER TO DWG. NO. UDP-1 FOR SPECIFIC NOTES.

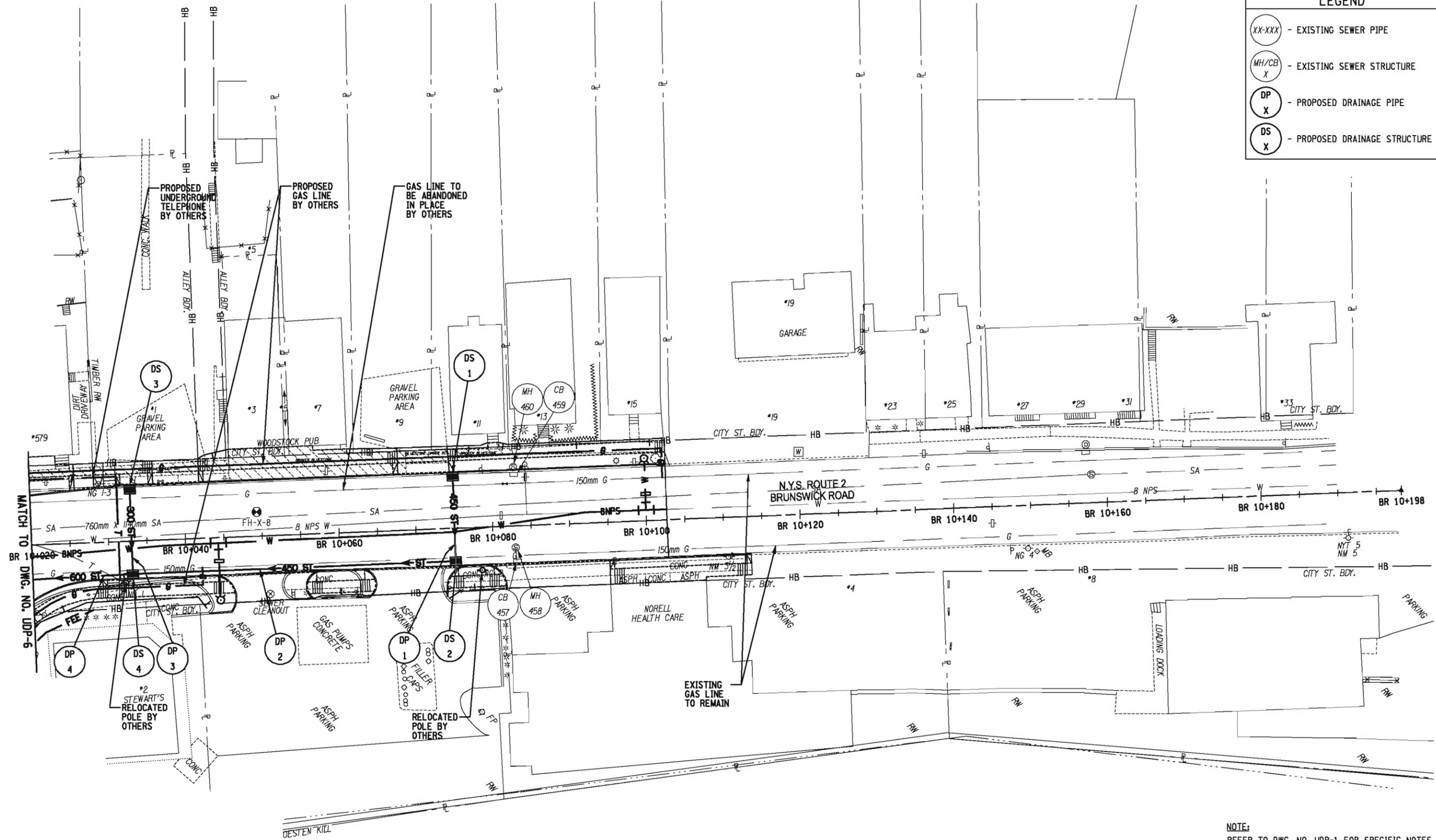


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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AE_UDP.DGN					DRAWING NO. UDP-5 SHEET NO. 113



LEGEND	
(XX-XXX)	- EXISTING SEWER PIPE
(MH/CB X)	- EXISTING SEWER STRUCTURE
(DP X)	- PROPOSED DRAINAGE PIPE
(DS X)	- PROPOSED DRAINAGE STRUCTURE



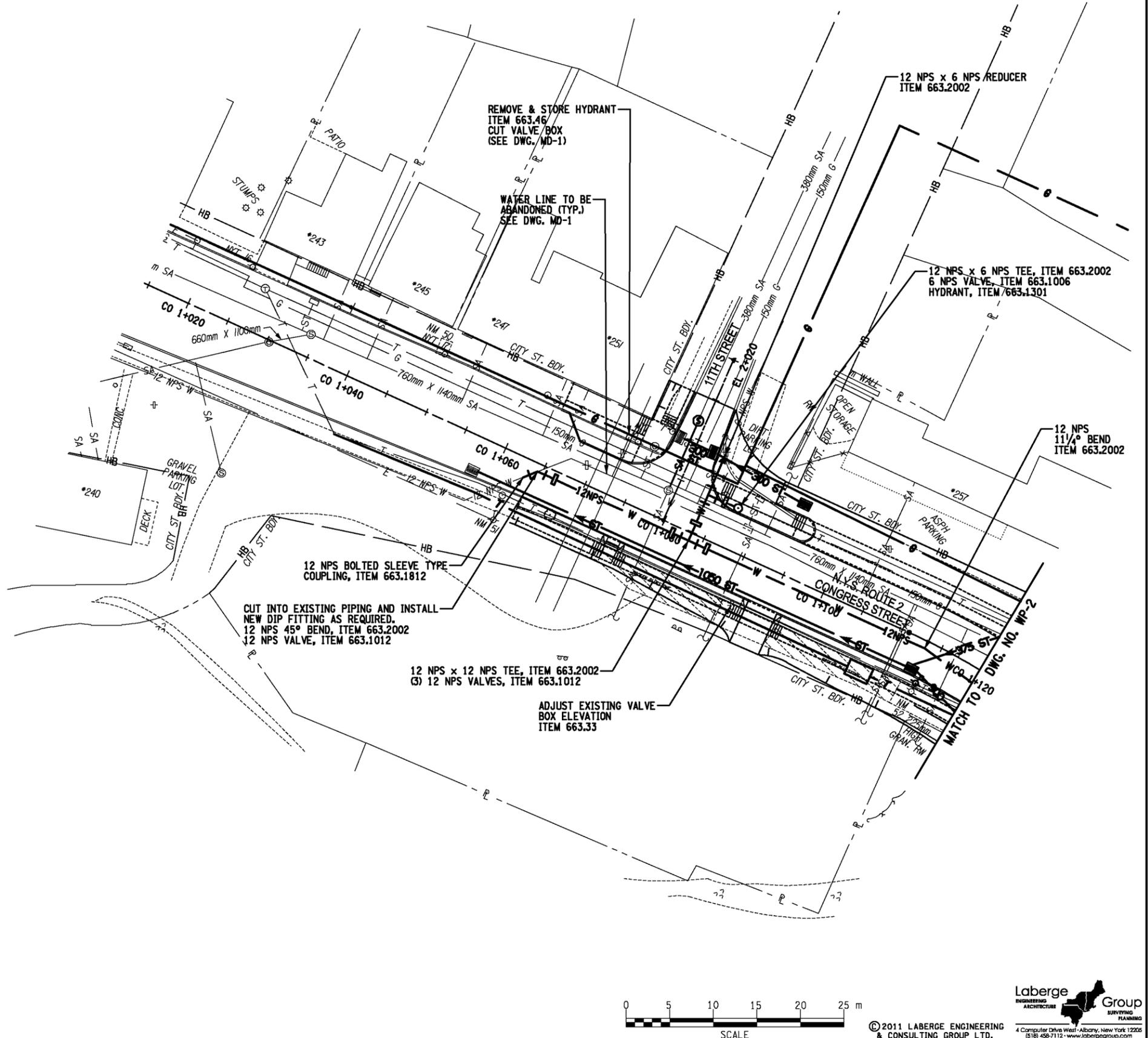
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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY	UTILITY AND DRAINAGE PLAN		DRAWING NO. UDP-7 SHEET NO. 115	
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AG_UDP.DGN				

- NOTES:**
1. THE CONTRACTOR SHALL EXCAVATE TEST PITS (A.O.B.E.) TO VERIFY LOCATIONS OF SUBSURFACE UTILITIES, DETERMINE ACTUAL LOCATION AND PROVIDE ADEQUATE CLEARANCE FOR THE INSTALLATION OF NEW WATER, SANITARY SEWER AND STORM SEWER FACILITIES. PAYMENT FOR TEST PITS SHALL BE PROVIDED UNDER ITEM 206.05. IF CONFLICTS OCCUR, THE CONTRACTOR SHALL MODIFY THE PROPOSED WATER, SANITARY SEWER AND STORM SEWER FACILITIES TO ELIMINATE CONFLICTS. IF CONFLICTS CANNOT BE ELIMINATED, THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY TO PROVIDE FOR ITS RELOCATION.
 2. ALL EXISTING BUILDING WATER SERVICES SHALL BE EXTENDED TO THE NEW WATERLINE. THE SIZE OF THE EXTENSION WILL BE THE SIZE OF THE EXISTING SERVICE. PAYMENT SHALL BE MADE UNDER ITEMS 663.2503 AND 663.0603.
 3. WATER CONDUITS INSTALLED PARALLEL TO SEWER CONDUITS SHALL HAVE A MINIMUM OF 3.00 m HORIZONTAL SEPARATION (MEASURED EDGE OF PIPE TO EDGE OF PIPE) WHENEVER POSSIBLE. WHEN 3.00 m HORIZONTAL SEPARATION CANNOT BE MAINTAINED A VERTICAL SEPARATION OF AT LEAST 450 mm BETWEEN BOTTOM OF WATER MAIN AND TOP OF SEWER PIPE SHALL BE MAINTAINED. IF THIS VERTICAL SEPARATION CANNOT BE MAINTAINED THEN SEWER SHALL BE RECONSTRUCTED OF MATERIALS, INCLUDING JOINTS, THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION.
 4. IN THE EVENT THE CONTRACTOR DISRUPTS ANY WATER SERVICE, THE CONTRACTOR SHALL PROVIDE POTABLE WATER TO THE AFFECTED SERVICE AREA UNTIL THE WATER SERVICE IS RESTORED, OR A.O.B.E. COST TO BE INCLUDED IN THE PRICE BID FOR VARIOUS WATER SYSTEM ITEMS.
 5. REFER TO STANDARD SHEETS M663-1 THROUGH M663-7 FOR ADDITIONAL DETAILS AND NOTES.
 6. THRUST BLOCKS REQUIRED FOR THE WATER MAINS SHALL BE INCLUDED UNDER THE WATER SYSTEM ITEMS.
 7. THE COST OF FURNISHING AND INSTALLING BELL JOINT LEAK CLAMPS SHALL BE INCLUDED UNDER THE WATER SYSTEM ITEMS.
 8. THE COST OF REMOVING EXISTING SERVICE PIPE, CURB STOP AND BOX, WHERE REQUIRED, AND RECONNECTING TO EXISTING SERVICE SHALL BE INCLUDED UNDER ITEM 663.0603.
 9. SHOP DRAWINGS WILL BE SUBMITTED AND APPROVED BY THE ENGINEER FOR ALL ROD CLAMPS AND INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
 10. COST FOR PLUGS NEEDED TO TERMINATE WATER MAIN OR SERVICES SHALL BE INCLUDED UNDER ITEMS 663.2001, 663.2002 AND 663.2003.
 11. THE COST OF REMOVING EXIST. GATE VALVE, CUTTING EXIST. C.I.P., COUPLINGS, REINSTALLATION OF THE REMOVED SECTION OF C.I.P., THRUST RESTRAINT AND STONE FILL TO BE INCLUDED UNDER THE GATE VALVE AND VALVE BOX ITEMS).
 12. IF THE ENGINEER DETERMINES THAT TEMPORARY WATER SERVICES ARE NEEDED FOR WATER MAIN INSTALLATION, THE CONTRACTOR SHALL PROVIDE THE SERVICE A.O.B.E. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS ITEM.
 13. REMOVAL AND DISPOSAL OF EXISTING WATER MAINS, VALVES, VALVE BOXES AND WATER SERVICE CONNECTIONS DUE TO CONFLICTS WITH THE PROPOSED UTILITIES SHALL BE INCLUDED IN THE COST OF ITEM 206.02.
 14. EXCAVATION PROTECTION SYSTEM SHALL BE REQUIRED FOR ALL EXCAVATIONS GREATER THAN 1.525 m AND WHERE TRENCH CANNOT BE LAID BACK TO MEET OSHA REQUIREMENTS. COST TO BE INCLUDED UNDER ITEM 552.16.
 15. THE COST OF JOINT RESTRAINTS (WEDGE TYPE) REQUIRED ON ALL WATER MAIN DISTRIBUTION FITTINGS SHALL BE INCLUDED UNDER THE WATER SYSTEM ITEMS.
 16. SEE DWG. NOS. PR-1 TO PR-11 FOR PROFILE OF PROPOSED DRAINAGE SYSTEM AND PROPOSED WATER MAIN.
 17. SEE DWG. NOS. DT-1 TO DT-4 FOR PROPOSED DRAINAGE SYSTEM INFORMATION.
 18. EXISTING WATER MAIN THAT IS TO BE ABANDONED UNDER THE PROPOSED ROAD SHALL BE FILLED WITH ITEM 204.01.



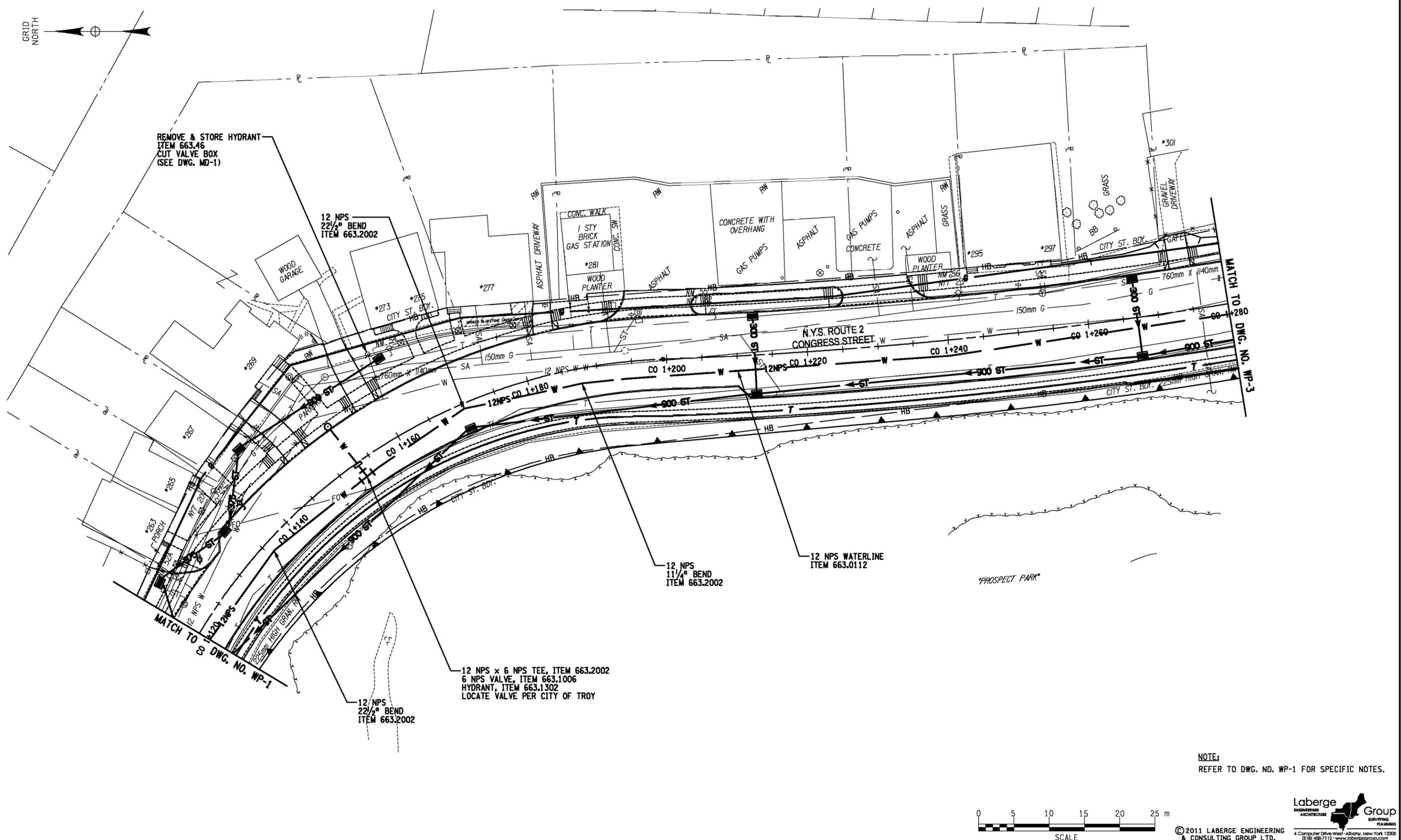
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SIGNATURE		DATE		S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY		WATER MAIN PLAN		DRAWING NO. WP-1 SHEET NO. 116	
				CITY OF TROY									
				N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66									
				COUNTY: RENSSELAER									
				DOCUMENT NAME: 175339AA_WMP.DGN									

FILE NAME = J:\98048\Cadd\175339AB_WMP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

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NOTE:
 REFER TO DWG. NO. WP-1 FOR SPECIFIC NOTES.



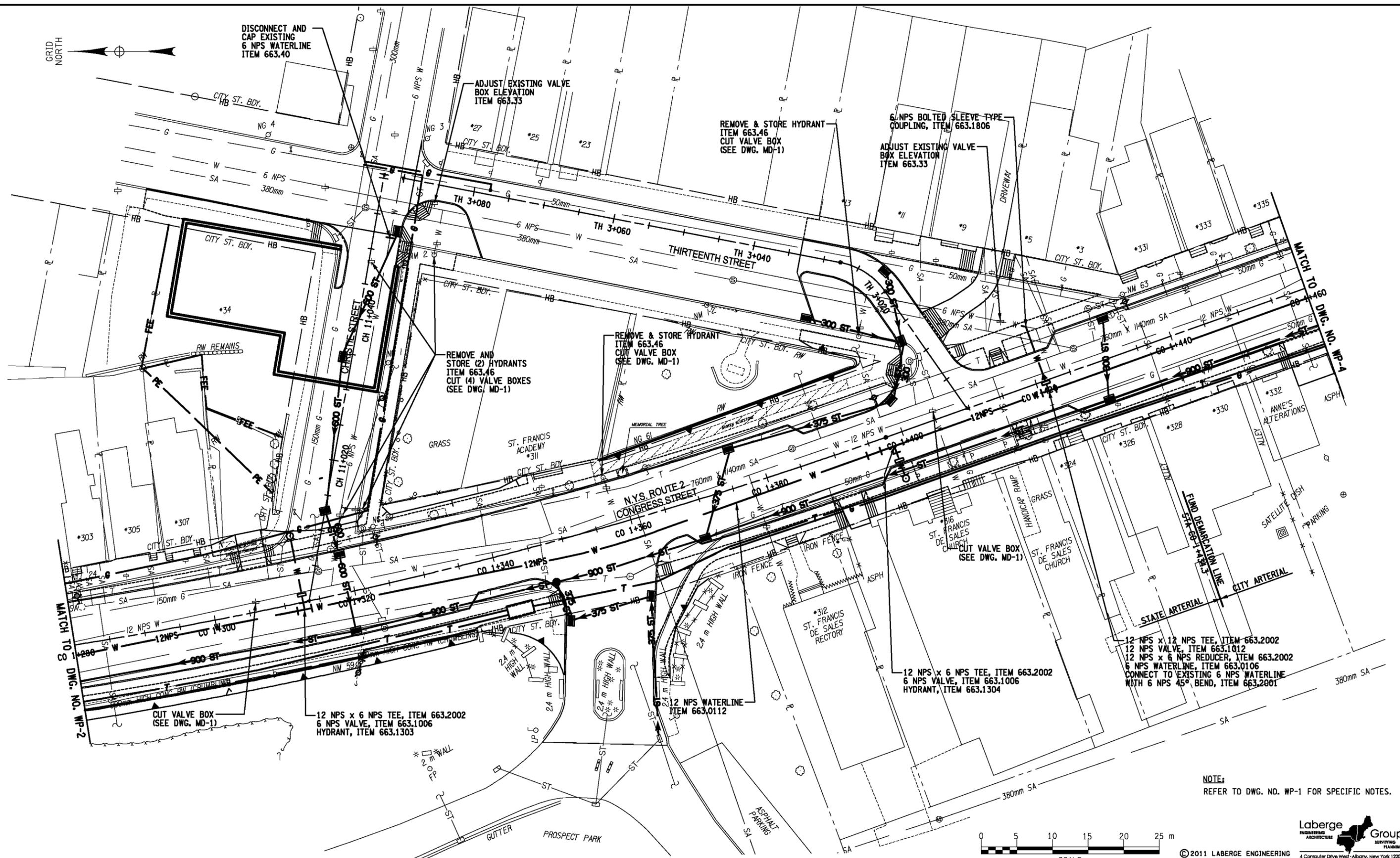
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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	CITY OF TROY		THE CITY OF TROY		WATER MAIN PLAN	DRAWING NO. WP-2 SHEET NO. 117
DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AB_WMP.DGN					

FILE NAME = J:\198048\Cadd\175339AC_WMP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI DESIGNED BY M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



NOTE:
 REFER TO DWG. NO. WP-1 FOR SPECIFIC NOTES.



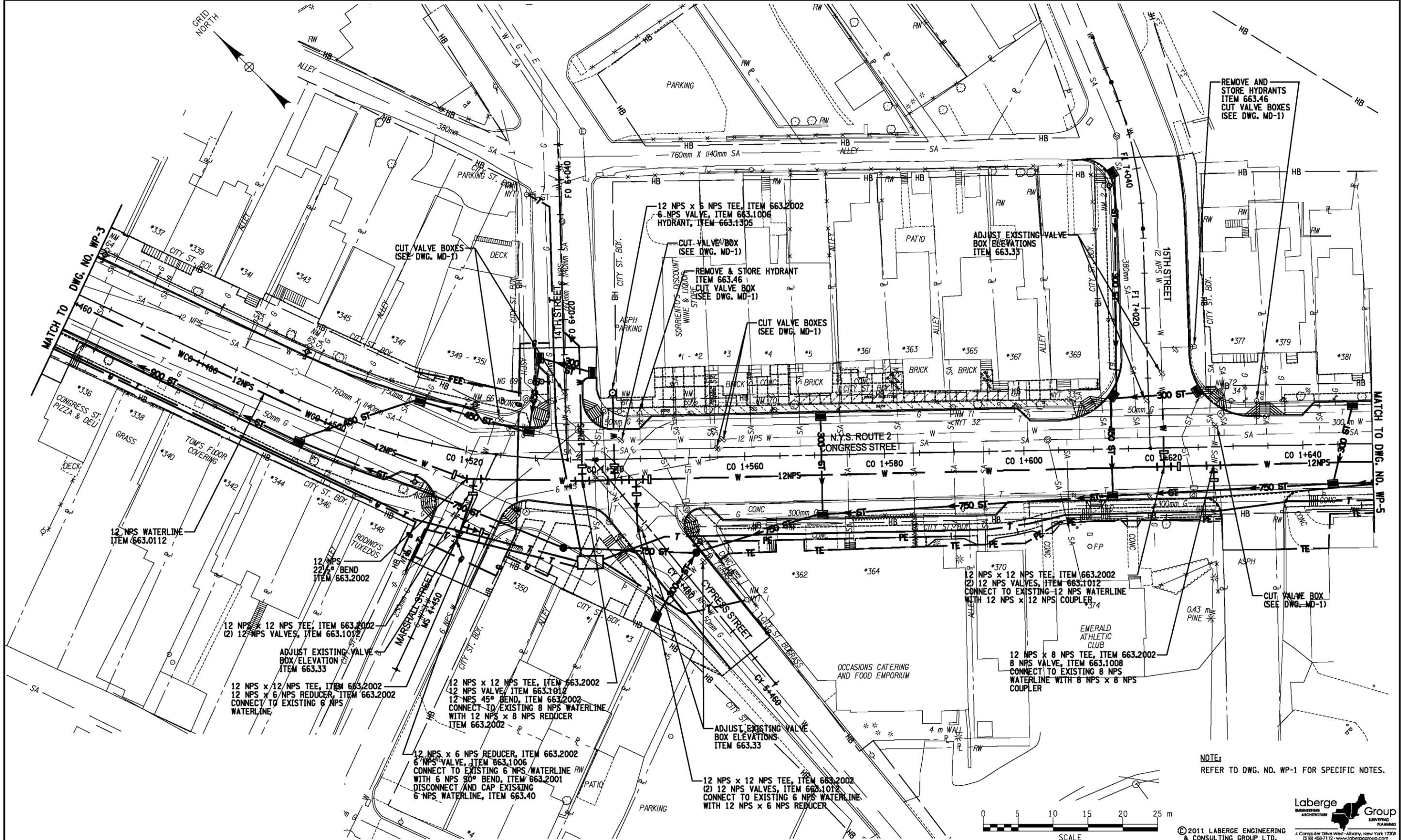
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	S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66		WATER MAIN PLAN		DRAWING NO. WP-3 SHEET NO. 118
		COUNTY: RENSSELAER		DOCUMENT NAME: 175339AC_WMP.DGN				

FILE NAME = J:\98048\Cadd\175339AD_WMP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCOWSKI CHECKED BY D. RHODES
 ESTIMATED BY R. TRUNKO CHECKED BY M. PSZENICZNY DRAFTED BY D. RHODES



NOTE:
 REFER TO DWG. NO. WP-1 FOR SPECIFIC NOTES.

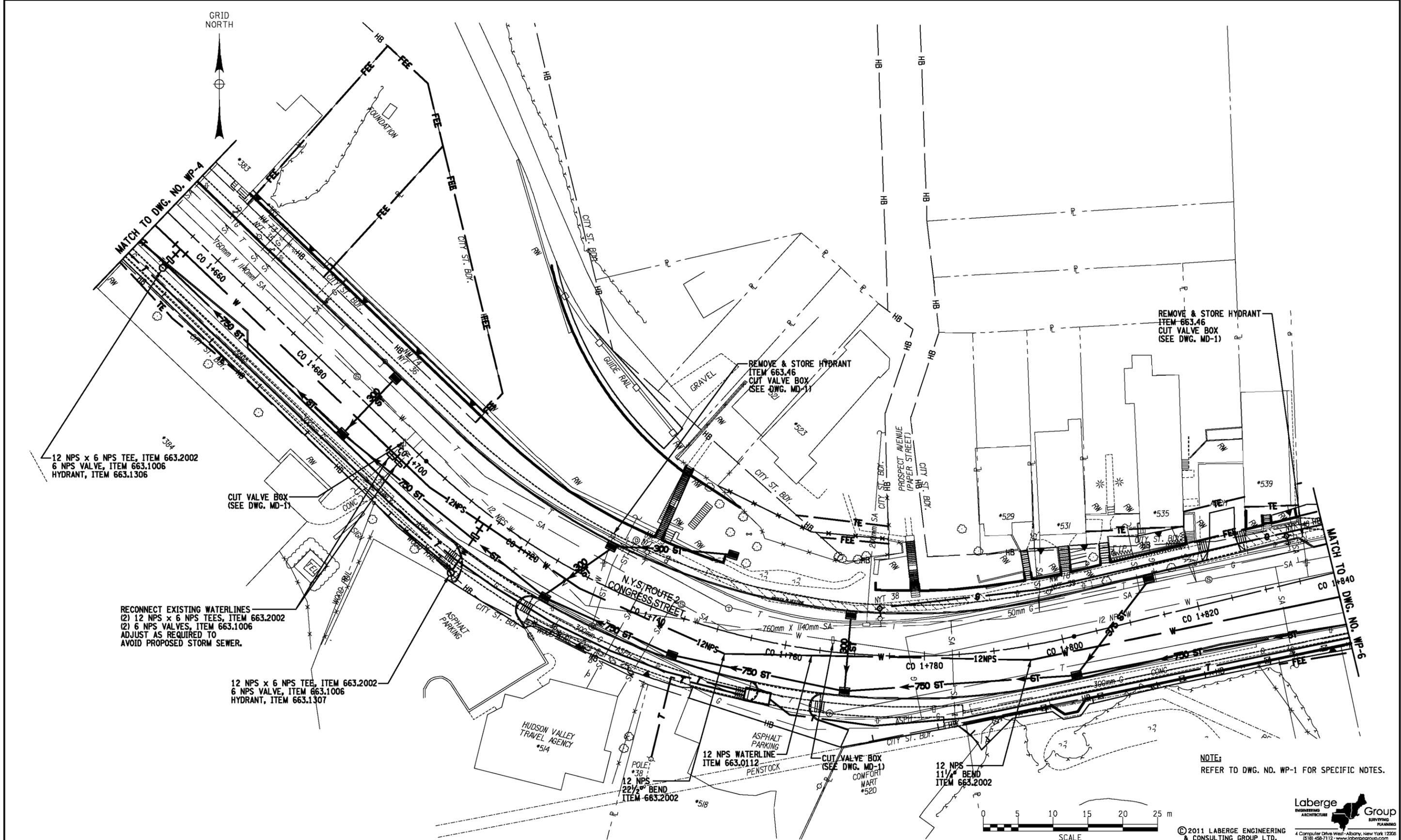


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SIGNATURE _____	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY		WATER MAIN PLAN	DRAWING NO. WP-4 SHEET NO. 119
DATE _____	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AD_WMP.DGN					

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 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



NOTE:
REFER TO DWG. NO. WP-1 FOR SPECIFIC NOTES.

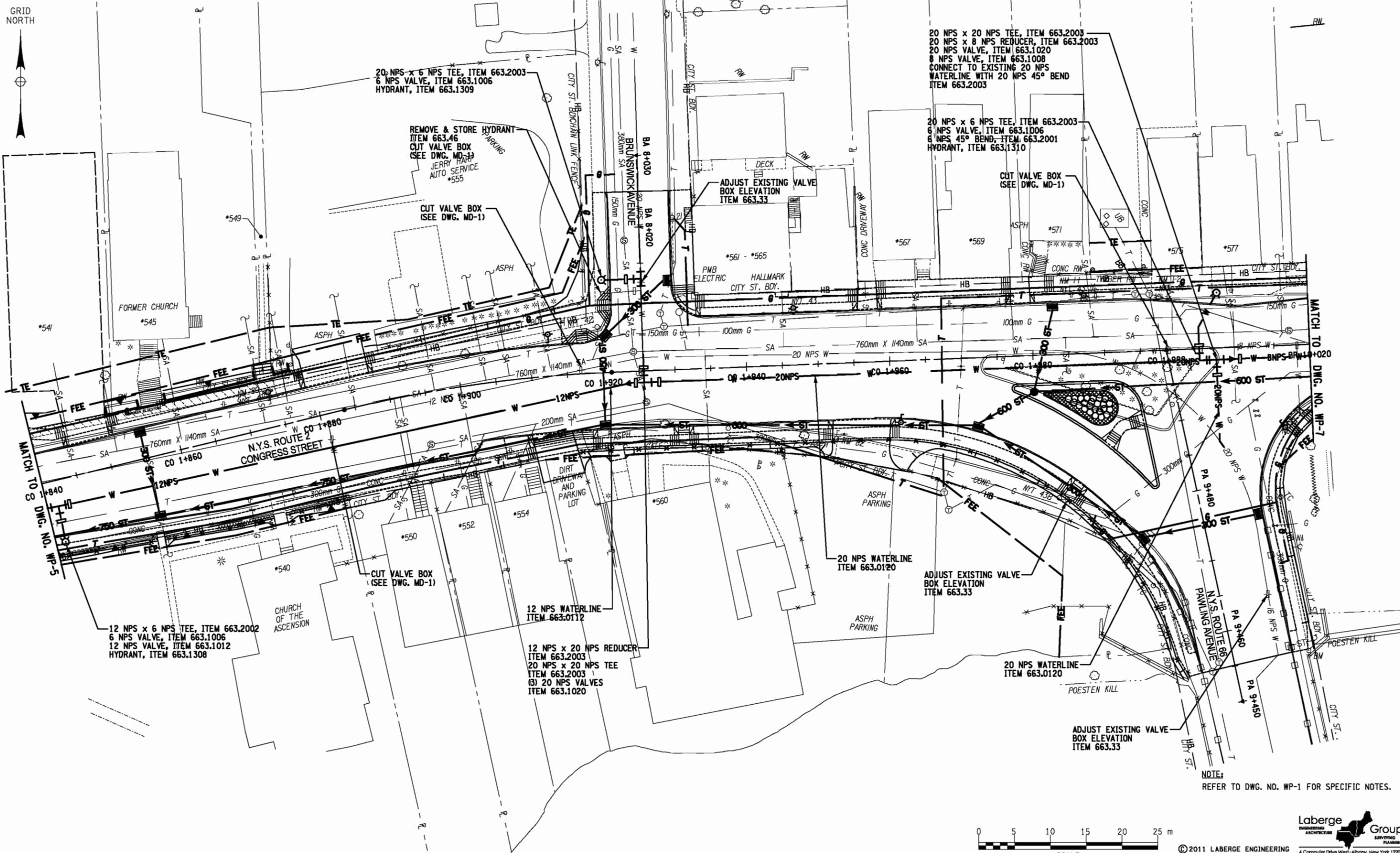


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AS BUILT REVISIONS DESCRIPTION OF WORK:		CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE		PIN 1753.39		BRIDGES		CULVERTS		ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED		CONTRACT NUMBER	
SIGNATURE _____		DATE _____		S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY		WATER MAIN PLAN		DRAWING NO. WP-5 SHEET NO. 120	
				CITY OF TROY									
				N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66									
				COUNTY: RENSSELAER									
				DOCUMENT NAME: 175339AE_WMP.DGN									

FILE NAME = J:\98048\Cadd\175339AF_WMP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI DESIGNED BY M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



NOTE:
 REFER TO DWG. NO. WP-1 FOR SPECIFIC NOTES.

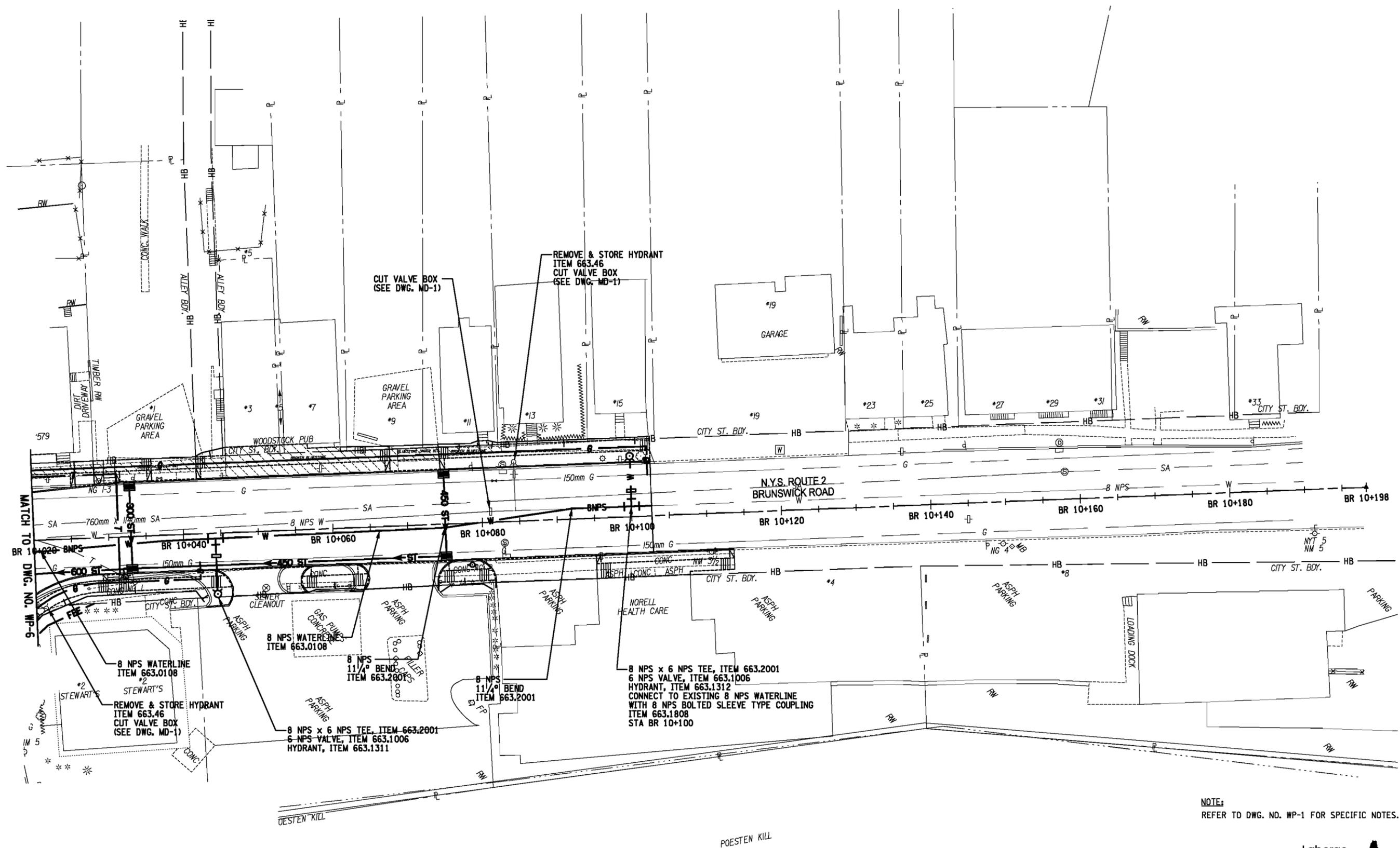
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SIGNATURE _____		DATE _____		S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY		WATER MAIN PLAN		DRAWING NO. WP-6 SHEET NO. 121	
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				N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66									
				COUNTY: RENSSELAER									
				DOCUMENT NAME: 175339AF_WMP.DGN									



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 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCZOWSKI ESTIMATED BY R. TRUNKO CHECKED BY D. RHODES DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



NOTE:
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SIGNATURE _____		DATE _____		S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY		WATER MAIN PLAN		DRAWING NO. WP-7 SHEET NO. 122	
				CITY OF TROY									
				N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66									
				COUNTY: RENSSELAER									
				DOCUMENT NAME: 175339AG_WMP.DGN									

STORM WATER POLLUTION PREVENTION AND TEMPORARY SOIL EROSION AND SEDIMENT CONTROL - GENERAL REQUIREMENTS

1. A. THE CONTRACTOR SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE EROSION AND SEDIMENT CONTROL PLANS FOR THIS CONTRACT AT ALL TIMES.
 B. WHENEVER SILTATION OR TURBIDITY IS DETECTED IN RECEIVING WATERS, WORK SHALL STOP AND CORRECTIVE MEASURES TAKEN TO STOP THE POLLUTION FROM OCCURRING.
 C. ALL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT STABILIZATION MEASURES ARE OBTAINED.
2. ALL SEDIMENT AND EROSION CONTROL WORK REQUIRED BY THE CONTRACT DOCUMENTS WILL BE COMPLETED UNDER THE PROVISIONS OF SECTION 209- "TEMPORARY SOIL EROSION AND SEDIMENT CONTROL" AND ITEMS IN THE CONTRACT, WITH EXCEPTION OF WORK COMPLETED UNDER SEPARATE NON-EROSION CONTROL PAY ITEMS PROVIDED IN THIS CONTRACT.
3. THE CONTRACTOR'S ATTENTION IS ALSO DIRECTED TO SECTION 107-12 "SOIL EROSION, WATER & AIR POLLUTION ABATEMENT" OF THE SPECIFICATIONS. ANY ACTIVITY OR REVISION TO THE CONTRACT INITIATED BY THE CONTRACTOR SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE SECTION 107-12 UNLESS OTHERWISE ORDERED BY THE ENGINEER IN CHARGE (E.I.C.).
4. THE CONTRACTOR SHALL PREPARE A SCHEDULE FOR ACCOMPLISHING TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL WORK IN ACCORDANCE WITH SECTIONS 107-12 AND 209-3.03 OF THE SPECIFICATIONS. THE CONSTRAINTS OF SECTION 209 OF THE SPECIFICATIONS SHALL BE REFLECTED IN THE ESTIMATED DATE FOR COMPLETING PERMANENT EROSION AND SEDIMENT CONTROL WORK. PARTICULAR ATTENTION IS DIRECTED TO THE REQUIREMENT THAT FINAL GRADING AND PERMANENT SEEDING OF DISTURBED AREAS OF THE CONTRACT OCCUR PROGRESSIVELY THROUGHOUT THE CONSTRUCTION PERIOD. PERMANENTLY STABILIZE COMPLETED AREAS WHENEVER IT IS REASONABLE TO AS DETERMINED BY THE ENGINEER.
5. THE CONTRACTOR SHALL PERFORM NECESSARY WORK TO ISOLATE CONSTRUCTION WORK AREAS AND ACTIVITIES, STAGING AREAS, WORK PLATFORMS OR OTHER AREAS TO BE DISTURBED FROM WATER COURSES PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS WITH APPROPRIATE TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IN ACCORDANCE WITH 209-3.04 - "WORK AREAS".
6. THE QUALIFIED INSPECTOR SHALL CONDUCT WEEKLY, ON THURSDAYS AND THE TRAINED CONTRACTOR (INDIVIDUAL) SHALL CONDUCT ON A DAILY BASIS, INSPECTIONS OF ALL TEMPORARY OR PERMANENT SEDIMENT AND POLLUTION CONTROL STRUCTURES, SEEDED AND MULCH AREAS, EROSION CONTROL BLANKETS, OR OTHER CONTRACT WORK TO ENSURE THAT IT IS FUNCTIONING AS REQUIRED AND IS IN GOOD CONDITION. THE CONTRACTOR SHALL PROVIDE A WRITTEN REPORT OF THIS INSPECTION TO THE ENGINEER IN CHARGE (E.I.C.) WITHIN 24 HOURS AND, AS DIRECTED BY THE E.I.C., SHALL MAKE APPROPRIATE CORRECTIONS AND REPLACEMENTS OR PERFORM MAINTENANCE (INCLUDING THE REMOVAL OF ACCUMULATED SILT) BY CLOSE OF BUSINESS ON THE DAY FOLLOWING THE INSPECTION, WHICH IS FRIDAY FOR WEEKLY INSPECTIONS. THE DESIGNATED DAY FOR WEEKLY INSPECTIONS, FOLLOW-UP WORK AND REPORTS SHALL BE ADJUSTED APPROPRIATELY TO ACCOMMODATE FOR HOLIDAYS.
7. THE CONTRACTOR SHALL MAINTAIN THE EXISTING DRAINAGE SYSTEM SO THAT IT REMAINS FREE OF SEDIMENT AND DEBRIS DURING THE COURSE OF CONSTRUCTION. COST TO BE INCLUDED UNDER VARIOUS TEMPORARY SOIL EROSION CONTROL ITEMS. NO SEPARATE PAYMENT WILL BE MADE.
8. SOIL EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO STARTING THE CLEARING AND GRUBBING OPERATIONS AND EARTHWORK CONSTRUCTION. ALL APPROPRIATE DEVICES SHALL REMAIN IN PLACE UNTIL NEW SLOPES AND EXPOSED EARTHEN SURFACES ARE STABILIZED A.O.B.E. AT THE COMPLETION OF THIS CONTRACT ALL DEVICES SHALL BE REMOVED AND THE DISTURBED AREA RESTORED UNDER SECTION 107-10 OF THE STANDARD SPECIFICATIONS, UNLESS SHOWN OTHERWISE IN THE PLANS.
9. ALL STOCKPILES OF ERODIBLE MATERIAL SHALL BE RINGED WITH SILT FENCE, AND RUNOFF DIVERTED TO AN APPROPRIATE SEDIMENT CONTROL STRUCTURE. STOCKPILES EXPOSED FOR LONGER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY MULCH ITEM 209.1001, OR OTHER MEANS OF TEMPORARY STABILIZATION.
10. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF ANY APPLICABLE FEDERAL OR STATE CERTIFICATIONS/PERMITS THAT PERTAINS TO THIS PROJECT.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND TAKE APPROPRIATE MEASURES TO PREVENT CONTAMINATION OF ANY WATER BODY BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS OR PAINT CONCRETE OR ITS LEACHATE, DUST OR ANY OTHER POLLUTION ASSOCIATED WITH THE CONTRACTOR'S OPERATIONS.
12. DURING CONCRETE POURING, NO FRESH CONCRETE, CONCRETE LEACHATE OR WASH WATER SHALL BE ALLOWED TO ENTER INTO ANY WATER BODY. POLLUTED WATER SHALL BE COLLECTED AND TRANSPORTED TO AN OFF-SITE, APPROVED WASTE TREATMENT FACILITY OR DISPOSAL SITE, IF NO ON-SITE AREA IS SUITABLE FOR TREATMENT OF WASH WATER AS DETERMINED BY THE E.I.C.
13. IF EARTHWORK IS PROPOSED ON SLOPES, A SILT FENCE SHALL BE PLACED ALONG A CONTINUOUS CONTOUR BETWEEN PROPOSED DISTURBED AREAS AND ANY EXISTING DRAINAGE DITCH, WATER COURSE, IMPOUNDMENT PRIOR TO EARTH EXCAVATION OR DISTURBANCE ACTIVITIES UNLESS OTHERWISE APPROVED BY THE E.I.C. SILT FENCES SHALL BE MAINTAINED IN GOOD CONDITION UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED WITH TURF OR OTHER EROSION RESISTANT MATERIALS AS SPECIFIED IN THE CONTRACT DOCUMENTS.
14. OTHER EROSION PROTECTION MEASURES OR STRUCTURES MAY BE REQUIRED AS CONDITIONS WARRANT, INCLUDING STONE AND CHECK DAMS, TEMPORARY MULCHING, STORM WATER PROTECTION OF STORM INLETS AND OUTLETS, ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE PROTECTION FOR ANY WATER BODY ADJACENT TO OR DOWN GRADIENT FROM THE PROJECT, AND TO PROTECT ADJACENT PROPERTIES FROM DAMAGE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED WITH TURF OR OTHER PERMANENT MEASURES AS CALLED FOR IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REPLACE OR REPAIR POLLUTION CONTROL STRUCTURES THAT FAIL AS QUICKLY AS POSSIBLE. THE CONTRACTOR SHALL BE PAID FOR THE WORK SPECIFIED IN THE CONTRACT DOCUMENTS UNDER APPROPRIATE PAYMENT ITEMS IN ACCORDANCE WITH THE PROVISIONS OF SECTION 209 OF THE SPECIFICATIONS. EXCEPT MULCH APPLIED FOR PERMANENT SEEDING SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 610.0203, ESTABLISHING TURF.
15. IN THE EVENT DEWATERING OPERATIONS BECOME NECESSARY, A SETTLING BASIN WILL BE REQUIRED UNLESS THE PUMP DISCHARGE IS FREE AND CLEAR OF SEDIMENT. THE LOCATION AND DESIGN SHALL BE APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN THE UNIT BID PRICE OF VARIOUS EROSION CONTROL ITEMS. NO SEPARATE PAYMENT WILL BE MADE.
16. IN ADDITION TO THE DETAILS AND SPECIFICATIONS PROVIDED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REFER TO THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROLS (NYSDEC) FOR ADDITIONAL INFORMATION REGARDING THE INTENDED PURPOSE, DESIGN CRITERIA, AND MATERIALS SPECIFICATIONS.
17. EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE NYSDOT STANDARD SHEETS.
18. THE CONTRACTOR SHALL GRADE AND TRIM ALL SLOPES AS THE EXCAVATION PROGRESSES AND AT A MINIMUM MULCH ALL FINAL GRADED SLOPES WITHIN TWO DAYS OR AS ORDERED BY THE ENGINEER.
19. THE CONTRACTOR SHALL HAVE A HYDROSEEDER AND/OR A MULCHING MACHINE AVAILABLE FOR THE PROJECT AT ALL TIMES.
20. ANY SCHEME PROPOSED BY THE CONTRACTOR TO ACCOMPLISH EROSION PREVENTION AND SEDIMENT CONTROL SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
21. GRAVEL BAGS SHALL BE AS DESCRIBED IN SECTION 209-2.08 EXCEPT THAT ONLY GRAVEL FILL IS ACCEPTABLE. GRAVEL FILL SHALL BE FREE OF SILT AND GRAVEL BAGS WILL BE REMOVED IN THEIR ENTIRETY AT THE COMPLETION OF THE PROJECT. NO SAND BAGS WILL BE ALLOWED IN PLACE OF GRAVEL BAGS.

FILE NAME = J:\98048\Cadd\175339AA_ECP.DGN
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI DESIGNED BY M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
SIGNATURE _____	DATE _____	COUNTY: RENSSELAER	EROSION CONTROL NOTES		DRAWING NO. ECP-1 SHEET NO. 123	
DOCUMENT NAME: 175339AA_ECP.DGN						

GRID NORTH

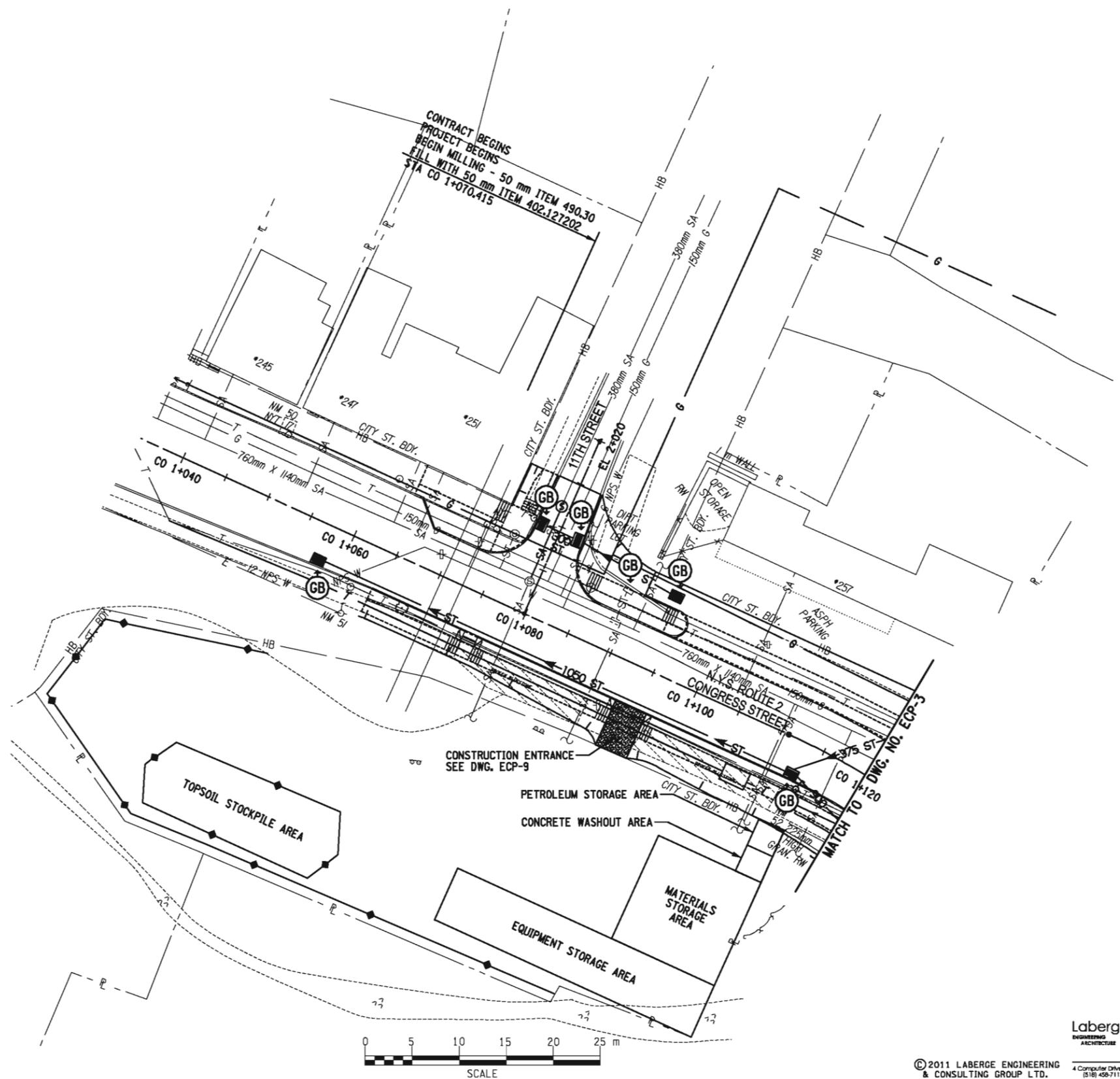


NOTES:

1. REFER TO DWG. NO. ECP-1 FOR GENERAL EROSION CONTROL NOTES.
2. REFER TO DWG. NO. ECP-10 FOR EROSION CONTROL DETAILS.
3. EXISTING STORM STRUCTURES REQUIRE INLET PROTECTION UNTIL REMOVAL OF STRUCTURES AND THE ABANDONMENT OF STORM SEWERS BY PLUGGING OF THE STORM DRAINS OCCUR.

LEGEND

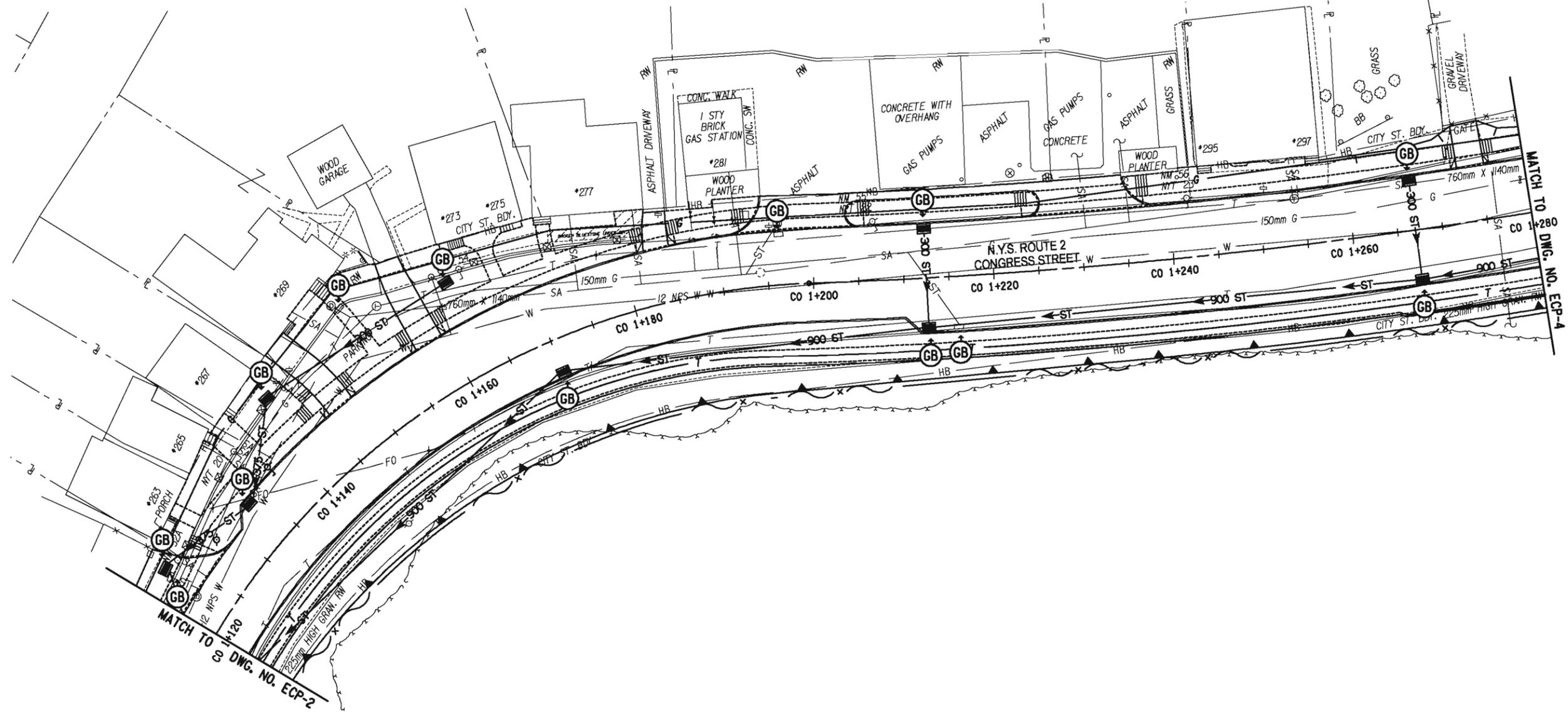
- SILT FENCE - TEMPORARY, ITEM 209.13
- x — TREE/VEGETATION BARRIER, ITEM 615.0402--08
- x — SILT FENCE, ITEM 209.13 & TREE/VEGETATION BARRIER, ITEM 615.0402--08
- ⊕ GB DRAINAGE STRUCTURE INLET PROTECTION, GRAVEL BAG - TEMPORARY, ITEM 209.1702



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		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
		COUNTY: RENSSELAER					
		DOCUMENT NAME: 175339AB_ECP.DGN					



LEGEND	
	SILT FENCE - TEMPORARY, ITEM 209.13
	TREE/VEGETATION BARRIER, ITEM 615.0402--08
	SILT FENCE, ITEM 209.13 & TREE/VEGETATION BARRIER, ITEM 615.0402--08
	DRAINAGE STRUCTURE INLET PROTECTION, GRAVEL BAG - TEMPORARY, ITEM 209.1702

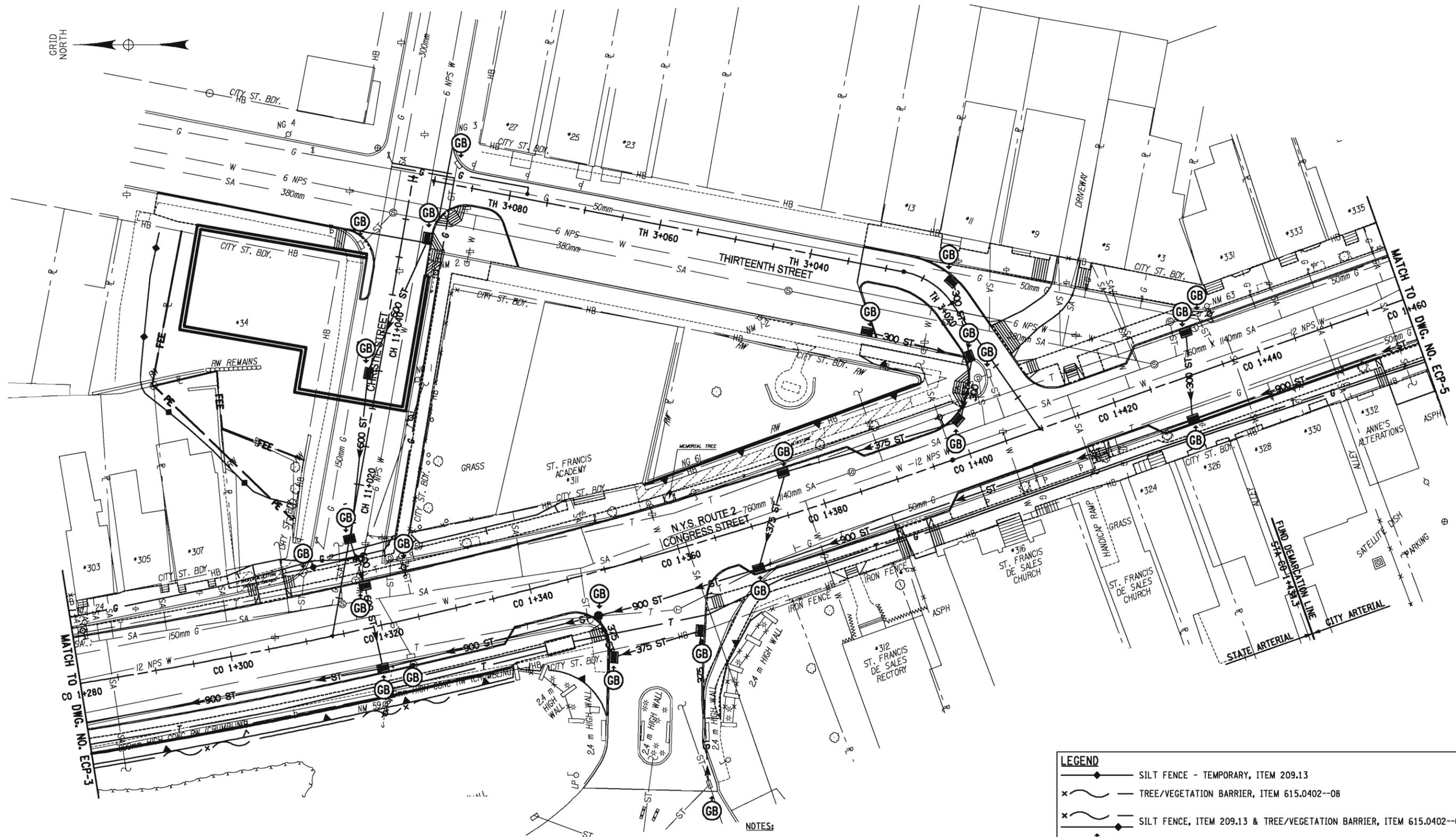
- NOTES:**
1. REFER TO DWG. NO. ECP-1 FOR GENERAL EROSION CONTROL NOTES.
 2. REFER TO DWG. NO. ECP-10 FOR EROSION CONTROL DETAILS.
 3. EXISTING STORM STRUCTURES REQUIRE INLET PROTECTION UNTIL REMOVAL OF STRUCTURES AND THE ABANDONMENT OF STORM SEWERS BY PLUGGING OF THE STORM DRAINS OCCUR.



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EROSION CONTROL PLAN					DRAWING NO. ECP-3 SHEET NO. 125	



- NOTES:**
1. REFER TO DWG. NO. ECP-1 FOR GENERAL EROSION CONTROL NOTES.
 2. REFER TO DWG. NO. ECP-10 FOR EROSION CONTROL DETAILS.
 3. EXISTING STORM STRUCTURES REQUIRE INLET PROTECTION UNTIL REMOVAL OF STRUCTURES AND THE ABANDONMENT OF STORM SEWERS BY PLUGGING OF THE STORM DRAINS OCCUR.

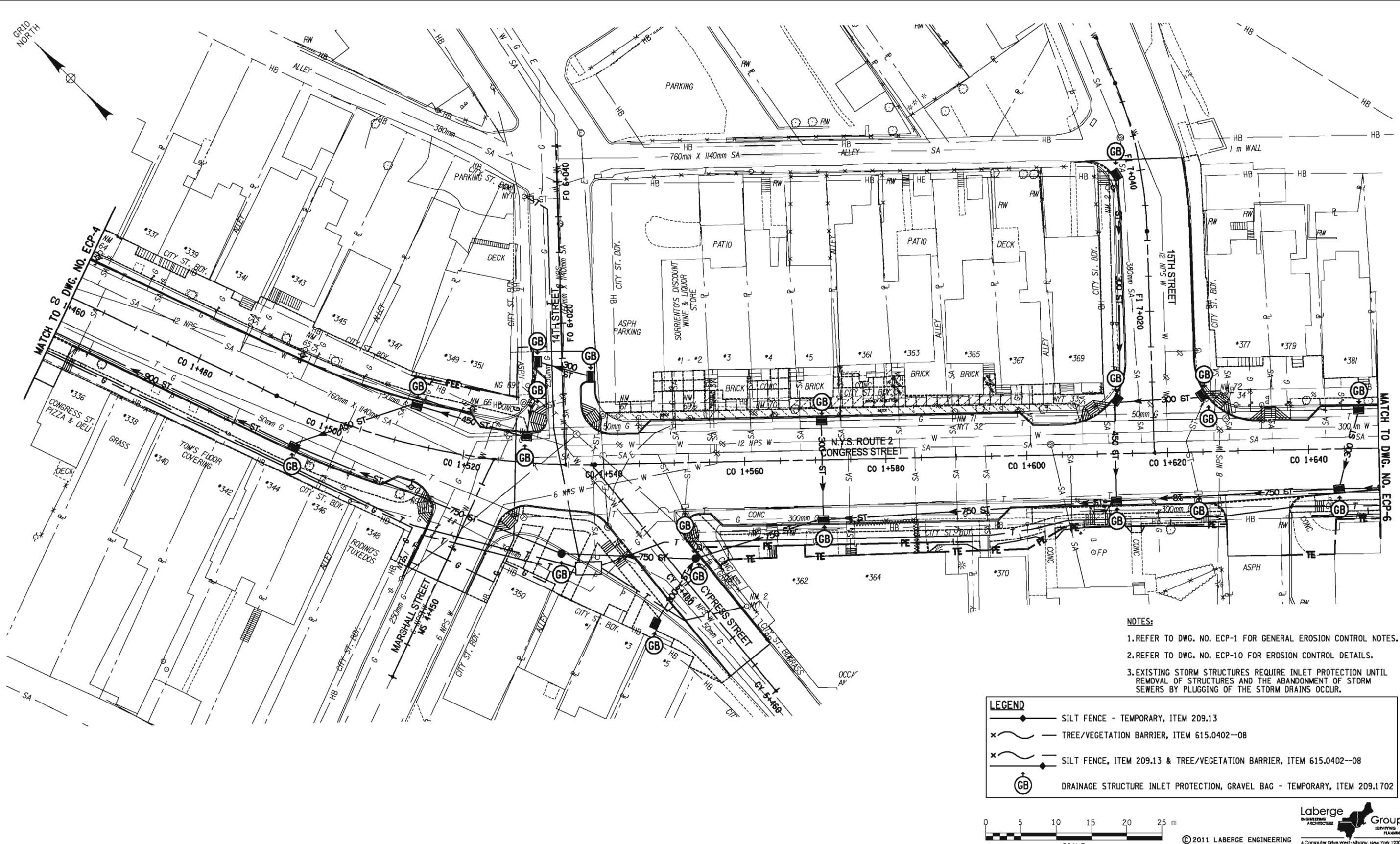
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	TREE/VEGETATION BARRIER, ITEM 615.0402--08
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	DRAINAGE STRUCTURE INLET PROTECTION, GRAVEL BAG - TEMPORARY, ITEM 209.1702



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DATE _____	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
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- NOTES:**
- REFER TO DWG. NO. ECP-1 FOR GENERAL EROSION CONTROL NOTES.
 - REFER TO DWG. NO. ECP-10 FOR EROSION CONTROL DETAILS.
 - EXISTING STORM STRUCTURES REQUIRE INLET PROTECTION UNTIL REMOVAL OF STRUCTURES AND THE ABANDONMENT OF STORM SEWERS BY PLUGGING OF THE STORM DRAINS OCCUR.

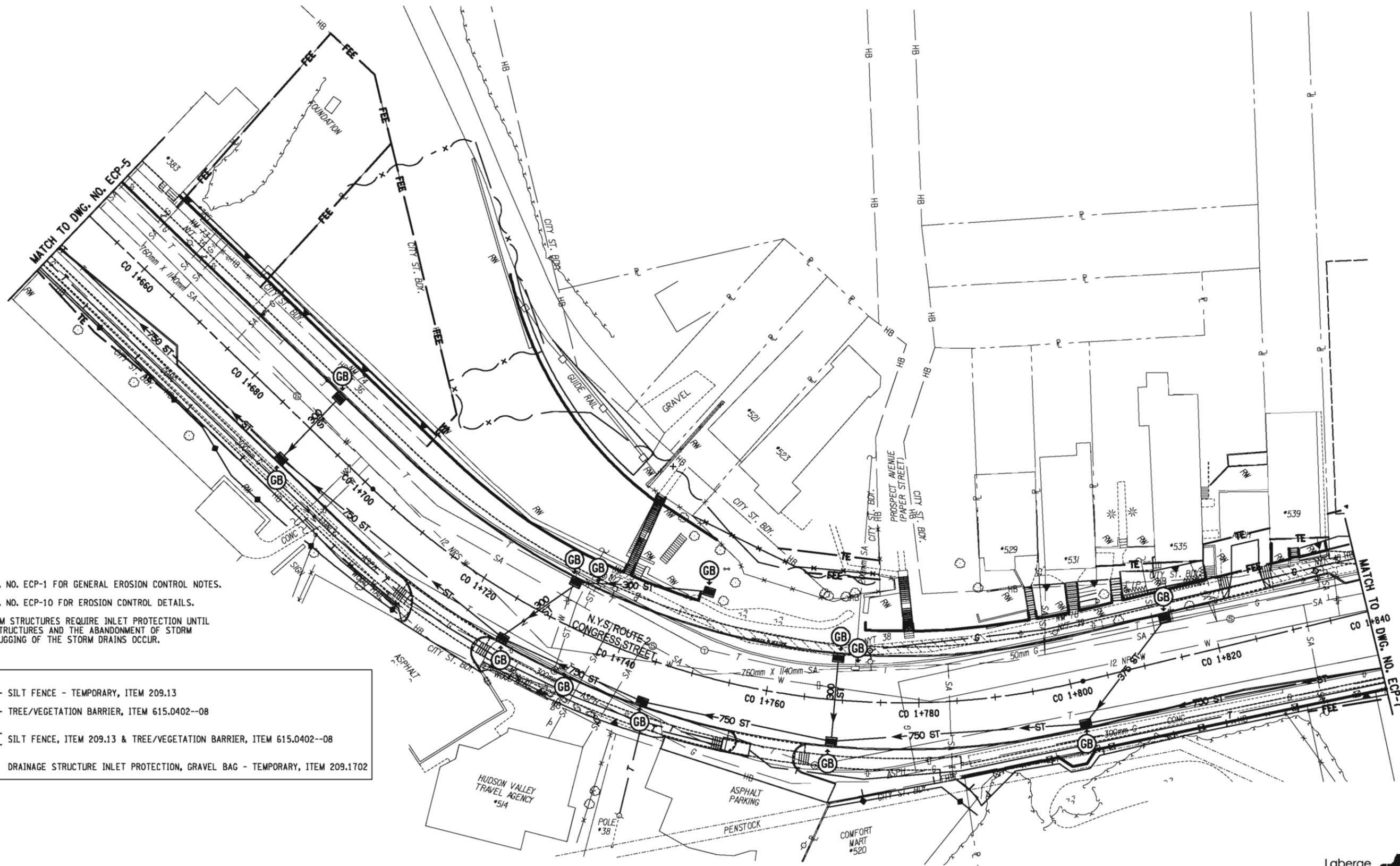
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	TREE/VEGETATION BARRIER, ITEM 615.0402--08
	SILT FENCE, ITEM 209.13 & TREE/VEGETATION BARRIER, ITEM 615.0402--08
	DRAINAGE STRUCTURE INLET PROTECTION, GRAVEL BAG - TEMPORARY, ITEM 209.1702



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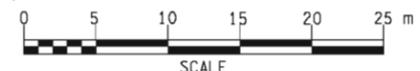
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	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AE_ECP.DGN					



- NOTES:**
1. REFER TO DWG. NO. ECP-1 FOR GENERAL EROSION CONTROL NOTES.
 2. REFER TO DWG. NO. ECP-10 FOR EROSION CONTROL DETAILS.
 3. EXISTING STORM STRUCTURES REQUIRE INLET PROTECTION UNTIL REMOVAL OF STRUCTURES AND THE ABANDONMENT OF STORM SEWERS BY PLUGGING OF THE STORM DRAINS OCCUR.

LEGEND

	SILT FENCE - TEMPORARY, ITEM 209.13
	TREE/VEGETATION BARRIER, ITEM 615.0402--08
	SILT FENCE, ITEM 209.13 & TREE/VEGETATION BARRIER, ITEM 615.0402--08
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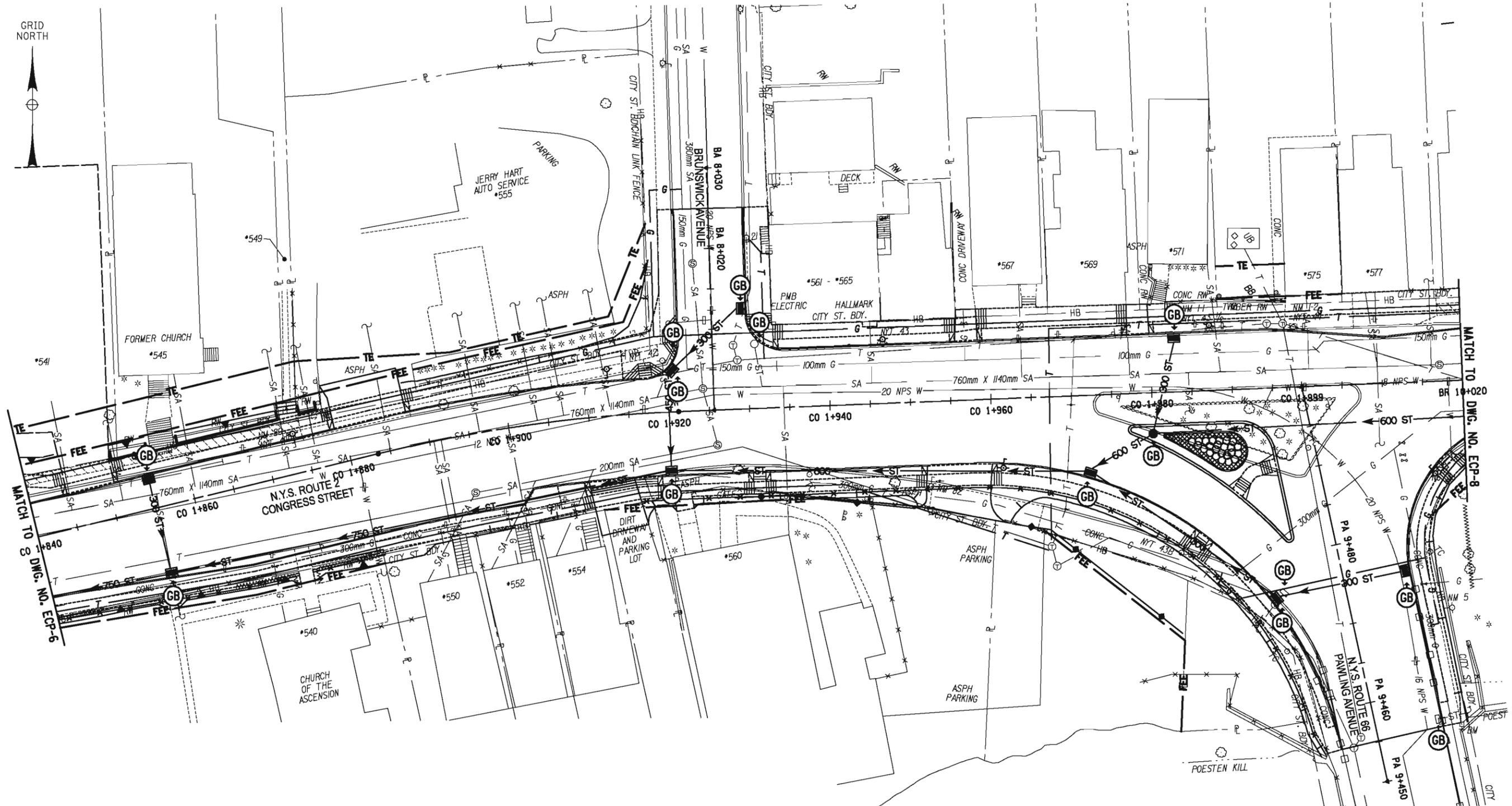


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S.H. C65026
 CITY OF TROY
 N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66
 COUNTY: RENSSELAER
 DOCUMENT NAME: 175339AF_ECP.DGN



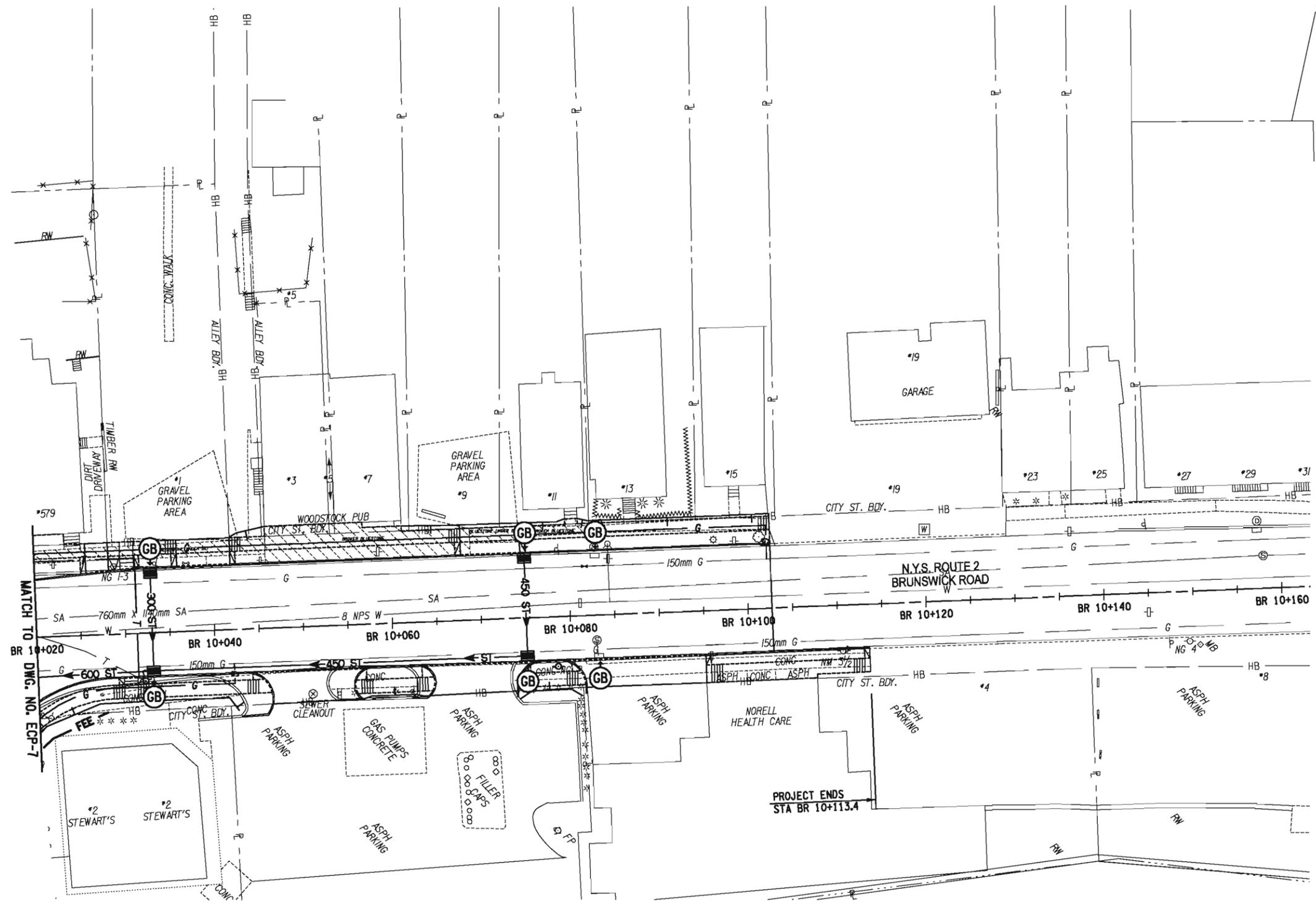
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	TREE/VEGETATION BARRIER, ITEM 615.0402--08
	SILT FENCE, ITEM 209.13 & TREE/VEGETATION BARRIER, ITEM 615.0402--08
	DRAINAGE STRUCTURE INLET PROTECTION, GRAVEL BAG - TEMPORARY, ITEM 209.1702

- NOTES:**
1. REFER TO DWG. NO. ECP-1 FOR GENERAL EROSION CONTROL NOTES.
 2. REFER TO DWG. NO. ECP-10 FOR EROSION CONTROL DETAILS.
 3. EXISTING STORM STRUCTURES REQUIRE INLET PROTECTION UNTIL REMOVAL OF STRUCTURES AND THE ABANDONMENT OF STORM SEWERS BY PLUGGING OF THE STORM DRAINS OCCUR.

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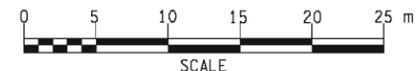


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LEGEND	
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	TREE/VEGETATION BARRIER, ITEM 615.0402--08
	SILT FENCE, ITEM 209.13 & TREE/VEGETATION BARRIER, ITEM 615.0402--08
	DRAINAGE STRUCTURE INLET PROTECTION, GRAVEL BAG - TEMPORARY, ITEM 209.1702

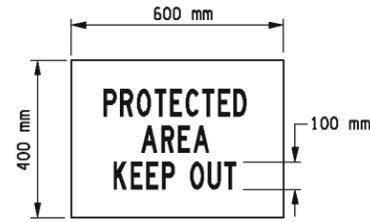
- NOTES:**
1. REFER TO DWG. NO. ECP-1 FOR GENERAL EROSION CONTROL NOTES.
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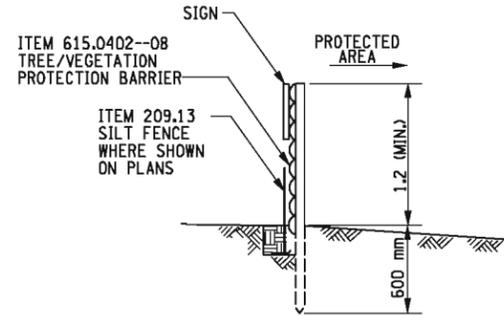
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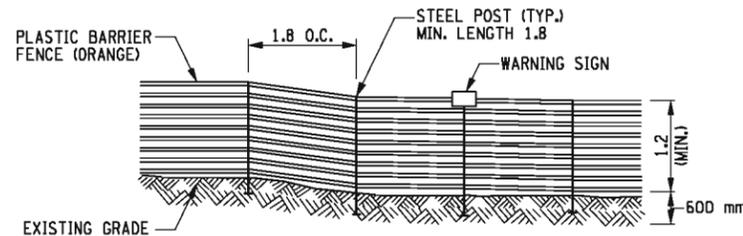
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SIGNATURE _____		DATE _____		S.H. C65026		PS&E DATE: 1/10/11		THE CITY OF TROY		EROSION CONTROL PLAN		DRAWING NO. ECP-8 SHEET NO. 130	
				CITY OF TROY									
				N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66									
				COUNTY: RENSSELAER									
				DOCUMENT NAME: 175339AH_ECP.DGN									



WARNING SIGN DETAIL



SECTION



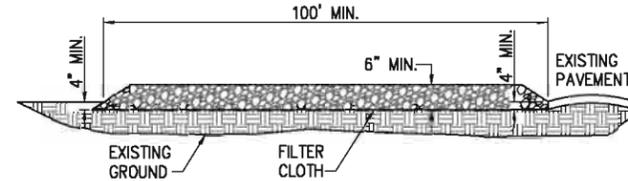
ELEVATION

TREE/VEGETATION PROTECTION BARRIER

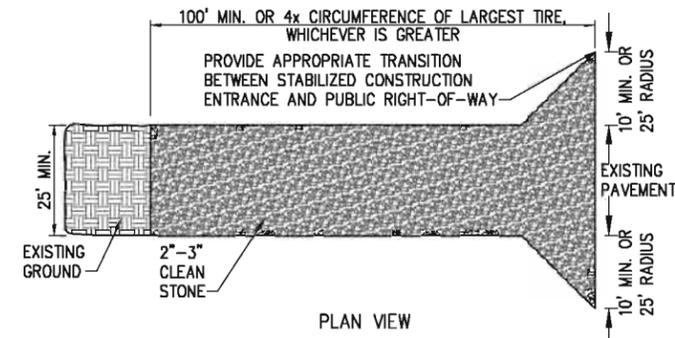
N.T.S.
 ITEM 615.0402--08

TREE/VEGETATION PROTECTION NOTES:

1. TREE/VEGETATION PROTECTION BARRIER SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS OR A.O.B.E.
2. SEE SPECIAL SPECIFICATIONS FOR ATTACHMENT TO POSTS, PROPER OVERLAPPING AND ADDITIONAL INFORMATION.
3. ALL MATERIALS THAT MAY BE DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST.
4. IN AREAS INDICATED ON THE PLANS, THE ENGINEER MAY REQUIRE THE TREE/VEGETATION PROTECTION BARRIER TO BE INSTALLED IN COMBINATION WITH THE SILT FENCE.



SIDE ELEVATION



PLAN VIEW

STABILIZED CONSTRUCTION ENTRANCE
 NTS

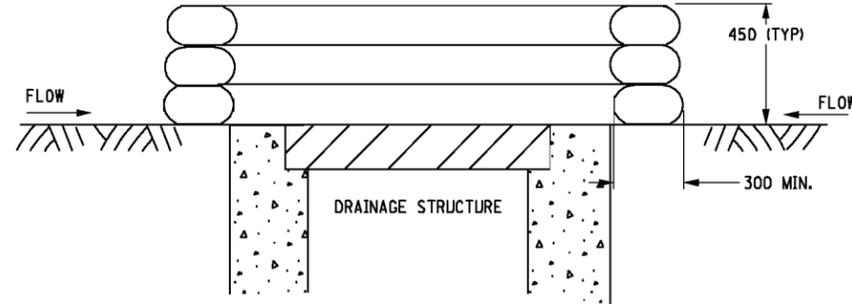
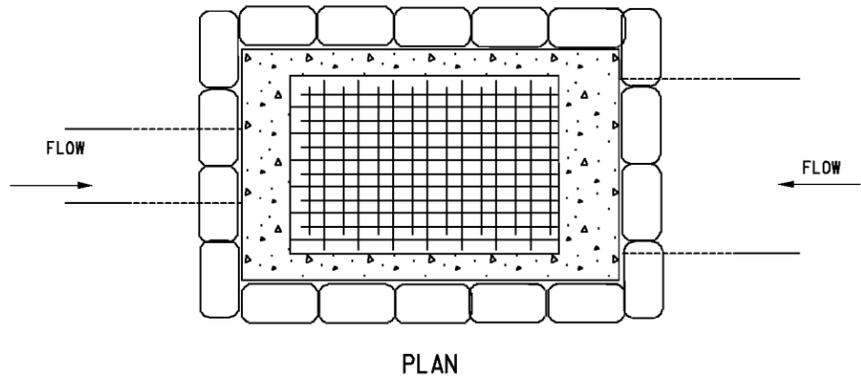
CONSTRUCTION SPECIFICATIONS:

1. STONE - USE COARSE AGGREGATE (2-3 INCH STONE).
2. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 100 FEET.
3. THICKNESS - NOT LESS THAN 6 (SIX) INCHES.
4. WIDTH - 24 FOOT MIN., BUT NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

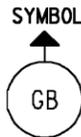


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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
CITY OF TROY						
N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66						
SIGNATURE _____	DATE _____	COUNTY: RENSSELAER			EROSION CONTROL DETAILS	DRAWING NO. ECP-9 SHEET NO. 131
DOCUMENT NAME: 175339AI_ECP.DGN						

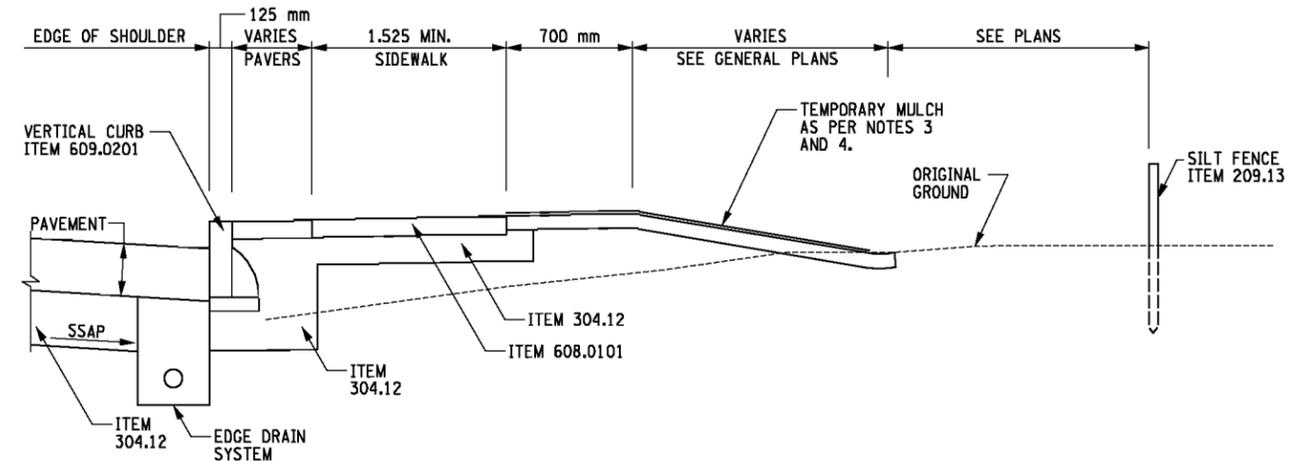
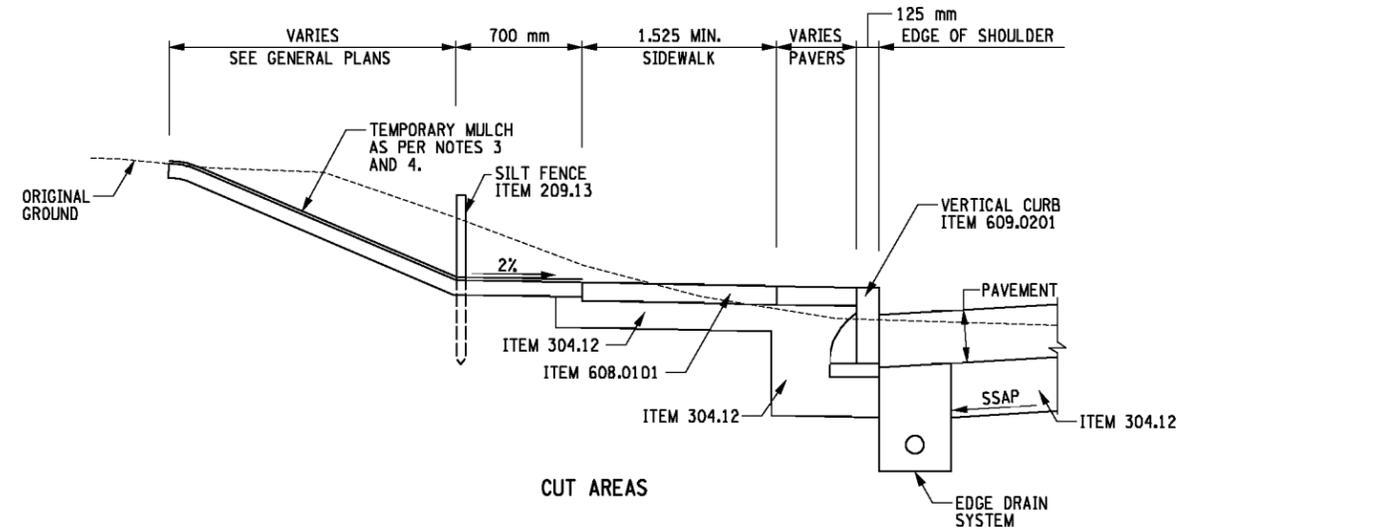


SECTION
DRAINAGE STRUCTURE INLET PROTECTION-TEMPORARY
(GRAVEL BAG)



NOTES:

1. THE PRIMARY PURPOSE OF DRAINAGE STRUCTURE INLET PROTECTION IS TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM BY PONDING WATER WHICH ALLOWS SEDIMENT TO FALL OUT OF SUSPENSION.
2. GRAVEL BAGS ARE FILLED WITH CLEAN STONE RATHER THAN SAND TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM IF BAGS ARE DAMAGED DURING USE.
3. THE TOP OF THE INLET PROTECTION SHALL BE SET AT THE MAXIMUM DESIRED WATER LEVEL BASED ON FIELD LOCATION AND CONDITIONS.
4. GRAVEL BAGS SHALL BE INDIVIDUALLY TIED, DOUBLE BAGGED AND INVERSELY INSERTED. GRAVEL BAGS SHALL LAP THE JOINTS BETWEEN THE BAGS IN THE LAYER BELOW. COST OF EXCAVATION FOR INSTALLATION SHALL BE INCLUDED IN THE PRICE BID FOR ITEM.
5. MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS, AFTER EACH RAINFALL OF 12 mm OR MORE WITHIN A 12 HOUR PERIOD, OR DAILY DURING PROLONGED RAINFALL. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.
6. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT, SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.



SILT FENCE LOCATION GUIDELINES

N.T.S.

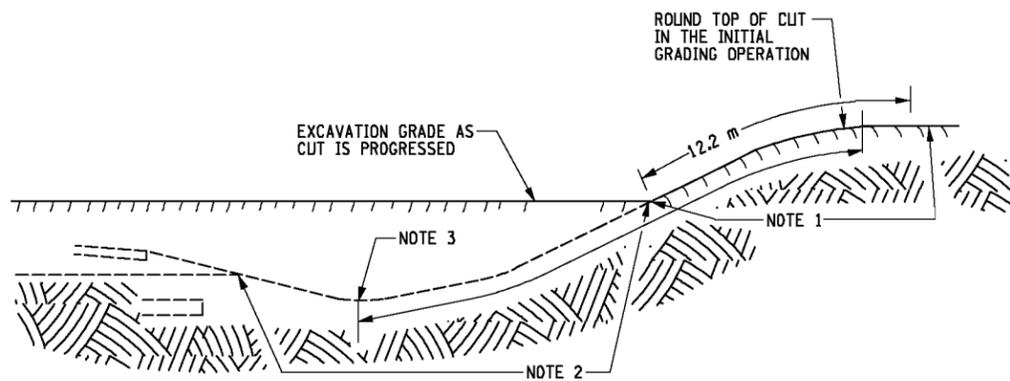
1. FOR CUT AREAS SILT FENCE SHALL TYPICALLY BE LOCATED AT TOE OF SLOPE.
2. FOR FILL AREAS SILT FENCE SHALL TYPICALLY BE LOCATED 1.5 m FROM TOE OF SLOPE.
3. TEMPORARY MULCH SHALL BE INSTALLED TO PROTECT SLOPES FROM EROSION. THE CONTRACTOR WILL BE PAID FOR THE INSTALLATION ONLY WHEN, IN THE OPINION OF THE ENGINEER, EARTHWORK OPERATIONS ARE SUSPENDED DUE TO CIRCUMSTANCES BEYOND THE CONTROL OF THE CONTRACTOR. IF EARTHWORK OPERATIONS ARE SUSPENDED DUE TO THE CONTRACTOR'S OWN SCHEDULING, THE MULCH MUST BE INSTALLED, BUT AT THE CONTRACTOR'S OWN EXPENSE. THE ENGINEER SHALL DETERMINE, ON A CASE-BY-CASE, WHETHER PAYMENT FOR THE APPLICATION OF MULCH IS VALID.
4. IF PRECIPITATION IS ANTICIPATED, THE CONTRACTOR SHALL APPLY TEMPORARY MULCH (ITEM 209.1001) TO PREVENT THE ERODIBILITY OF BARE SOILS ON THE CURRENT WORKING SLOPES. THE CONTRACTOR WILL BE REQUIRED TO DEMONSTRATE THE EFFECTIVENESS OF THE TEMPORARY MULCH TO BE EMPLOYED AT THE BEGINNING OF THIS CONTRACT. THE CONTRACTOR SHALL ALSO BE PREPARED AND READY TO APPLY THE TEMPORARY MULCH PRIOR TO THE START OF PRECIPITATION.

FILE NAME = J:\98048\Cadd\175339AJ_ECP.DGN
DATE/TIME = 1/7/2011
USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI CHECKED BY D. RHODES ESTIMATED BY R. TRUNKO DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES

AS BUILT REVISIONS DESCRIPTION OF WORK: SIGNATURE _____ DATE _____	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER	DOCUMENT NAME: 175339AJ_ECP.DGN				DRAWING NO. ECP-10 SHEET NO. 132	

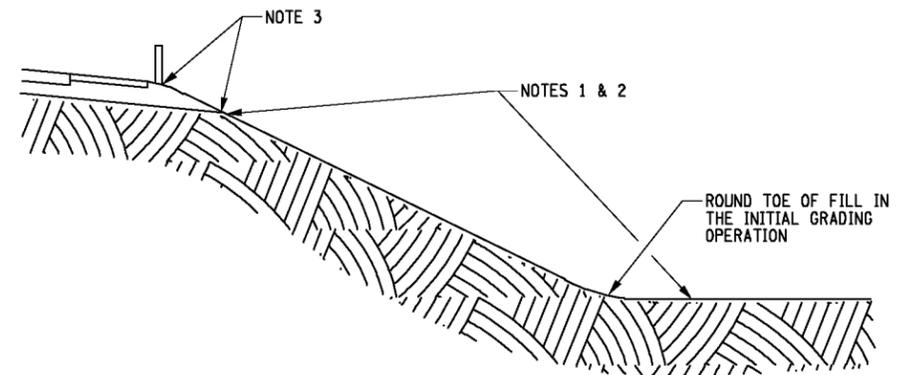




- NOTES:**
1. WHEN 12.2 m OF CUT SLOPE HAS BEEN COMPLETED, THE SLOPE SHOULD BE TRIMMED AND THE PERMANENT EROSION CONTROL MEASURES OF SEEDING AND MULCHING SHOULD BE CARRIED OUT. IF SEEDING DATES ARE SPECIFIED AND THE CUT IS TRIMMED "OUT OF SEASON" MULCH THE SLOPE AS SPECIFIED IN THE SEEDING ITEM AND SEED ON TOP OF THE MULCH IN THE NEXT SEEDING SEASON.
 2. THE REMAINING CUT SLOPE SHOULD BE TRIMMED AND PERMANENT SEEDING AND MULCHING DONE AS SOON AS THE FINAL GRADE IS REACHED.
 3. THE SUBBASE MATERIAL SHOULD BE SEEDDED AND MULCHED AS SOON AS THE SHOULDER IS COMPLETED UNLESS CRUSHED STONE OR SLAG IS USED.

SEEDING AND MULCHING GUIDES - CUT SLOPES

N.T.S.
 ITEM 209.1001 - MULCH - TEMPORARY



- NOTES:**
1. THE FILL SLOPE SHOULD BE TRIMMED AND THE PERMANENT SEEDING AND MULCHING CARRIED OUT AS SOON AS THE SLOPE IS FINAL GRADE. IF SEEDING DATES ARE SPECIFIED AND THE FILL IS TRIMMED "OUT OF SEEDING SEASON" MULCH THE SLOPE AS SPECIFIED IN THE SEEDING ITEM AND SEED TOP OF THE MULCH THE NEXT SEEDING SEASON.
 2. WHEN THE FILL CANNOT BE BROUGHT TO SUBGRADE OR THE FINAL TRIM CANNOT BE OBTAINED IN A REASONABLE LENGTH OF TIME, TEMPORARY EROSION CONTROL BY MULCHING UNDER SECTION 209 IS REQUIRED.
 3. THE SUBBASE MATERIAL SHOULD BE SEEDDED AND MULCHED AS SOON AS THE SHOULDER IS COMPLETED UNLESS CRUSHED STONE OR SLAG IS USED.

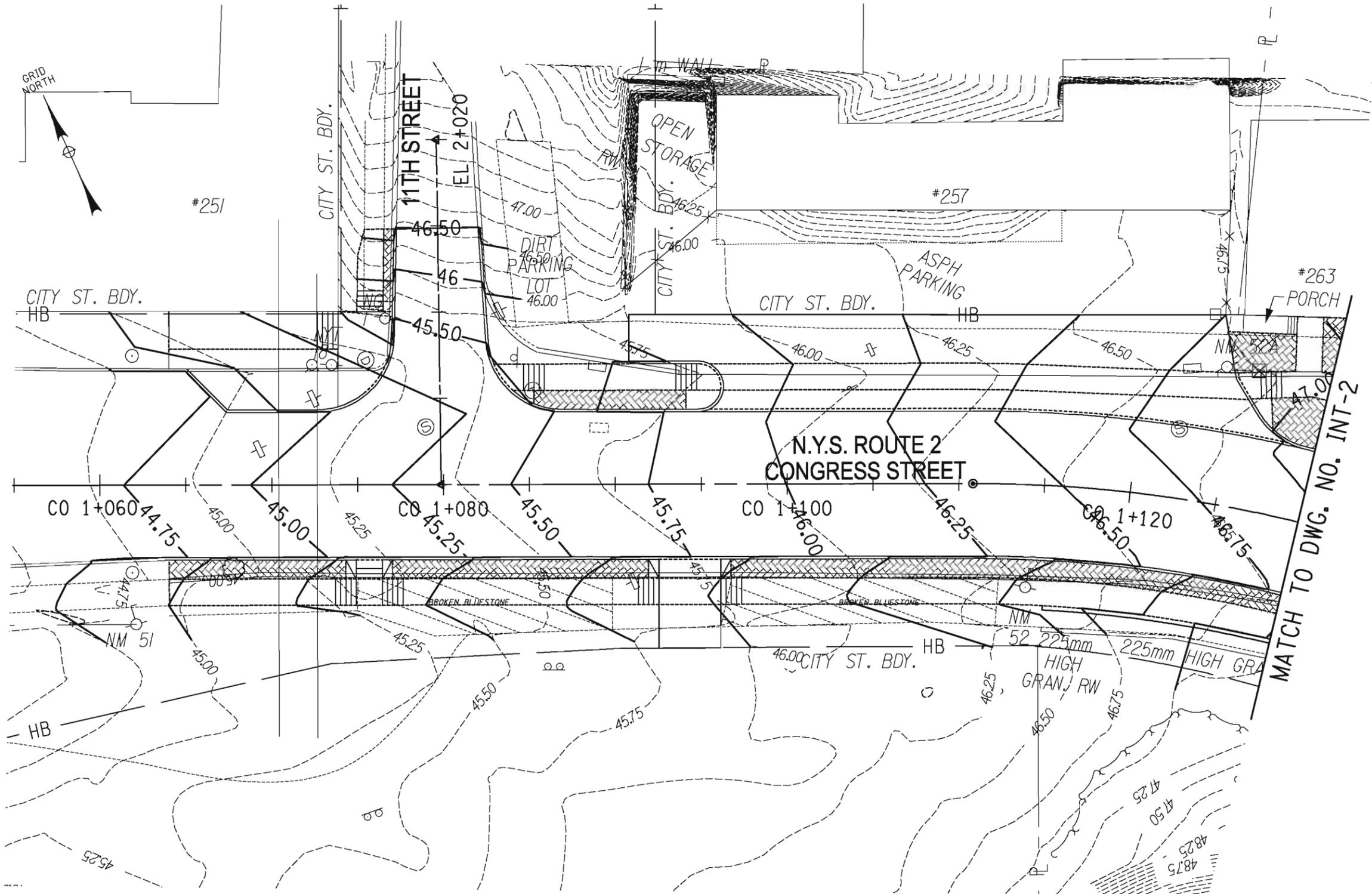
SEEDING AND MULCHING GUIDES - FILL SLOPES

N.T.S.
 ITEM 209.1001 - MULCH - TEMPORARY

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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER	EROSION CONTROL DETAILS		DRAWING NO. ECP-11 SHEET NO. 133			
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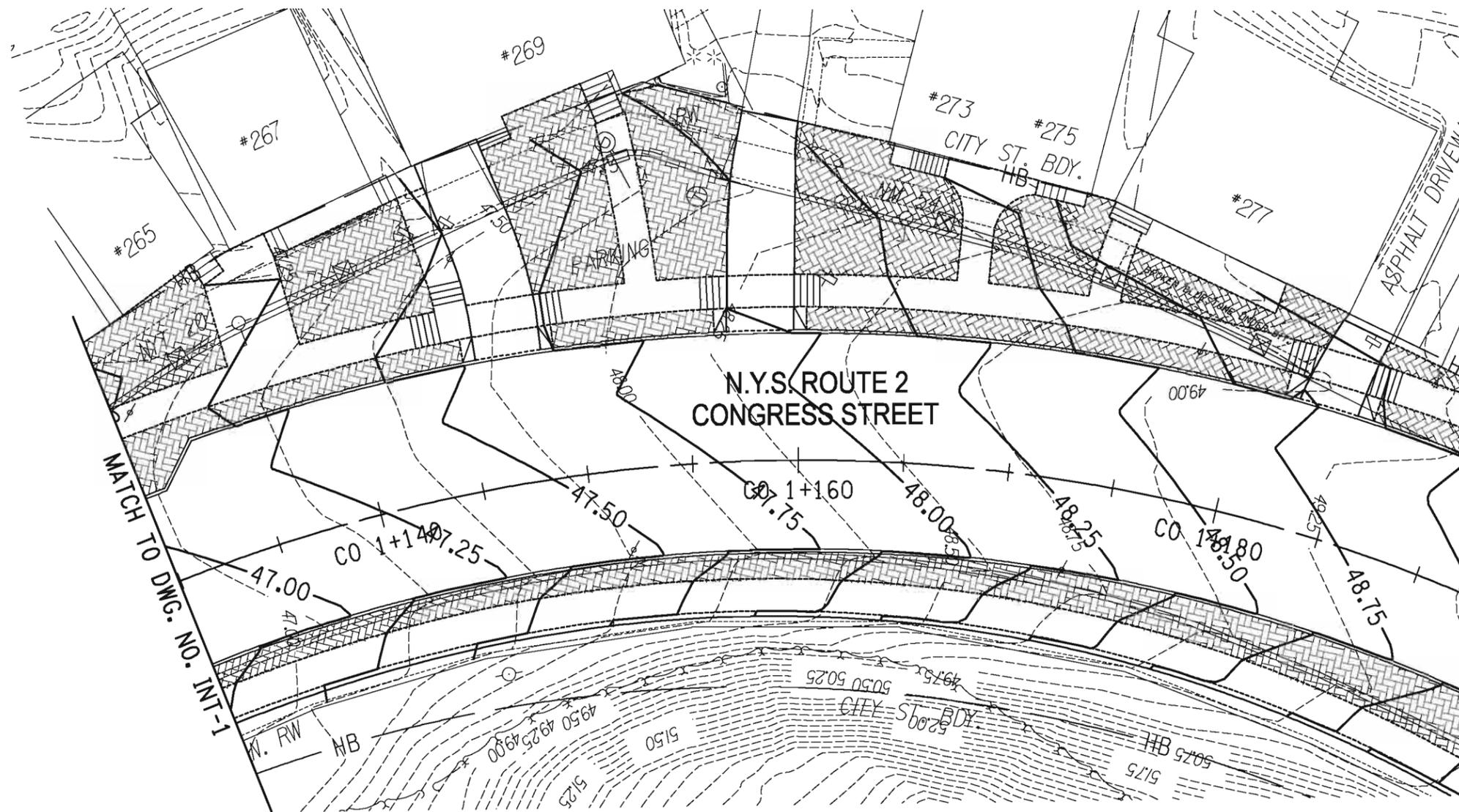
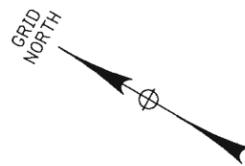
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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
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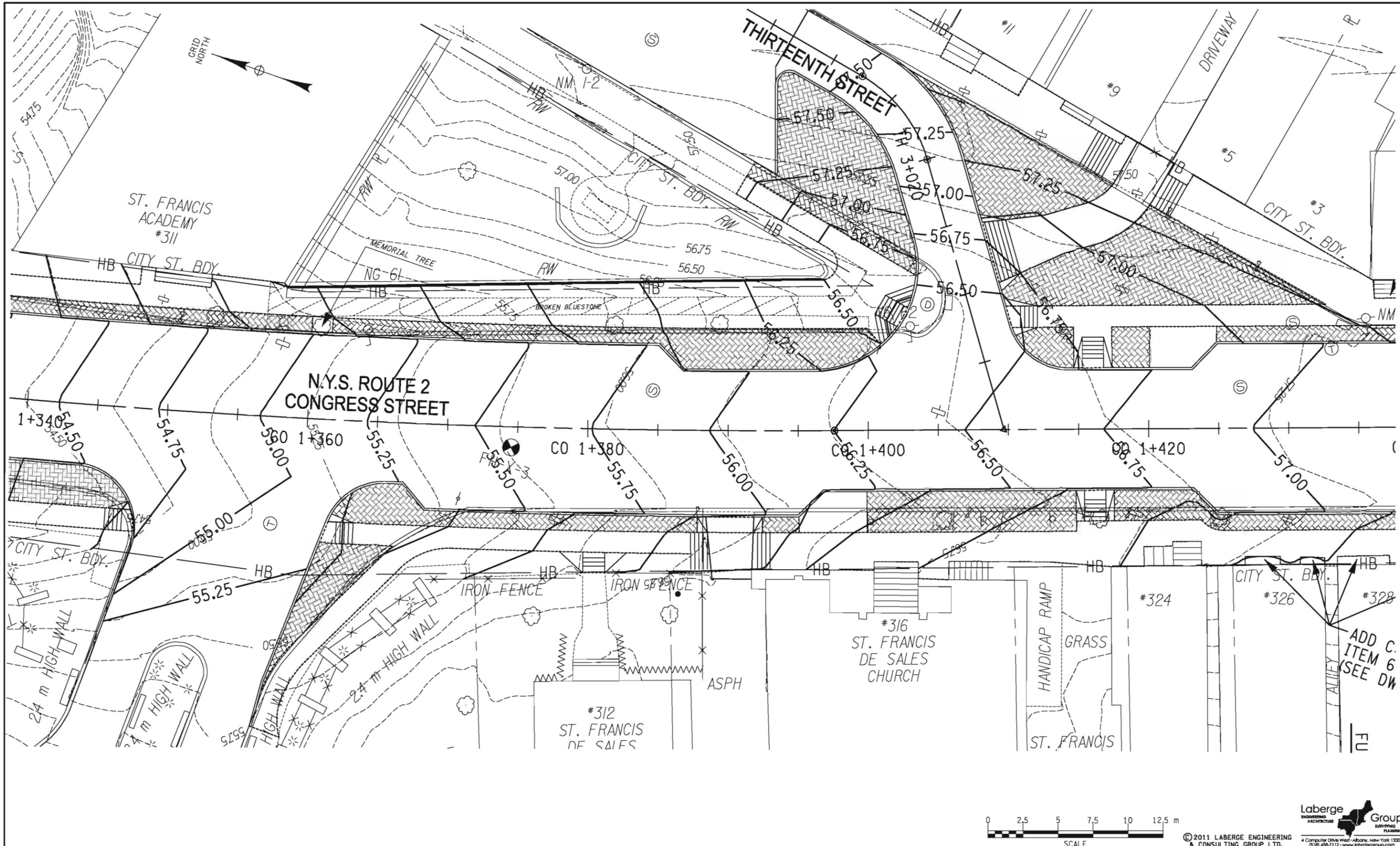
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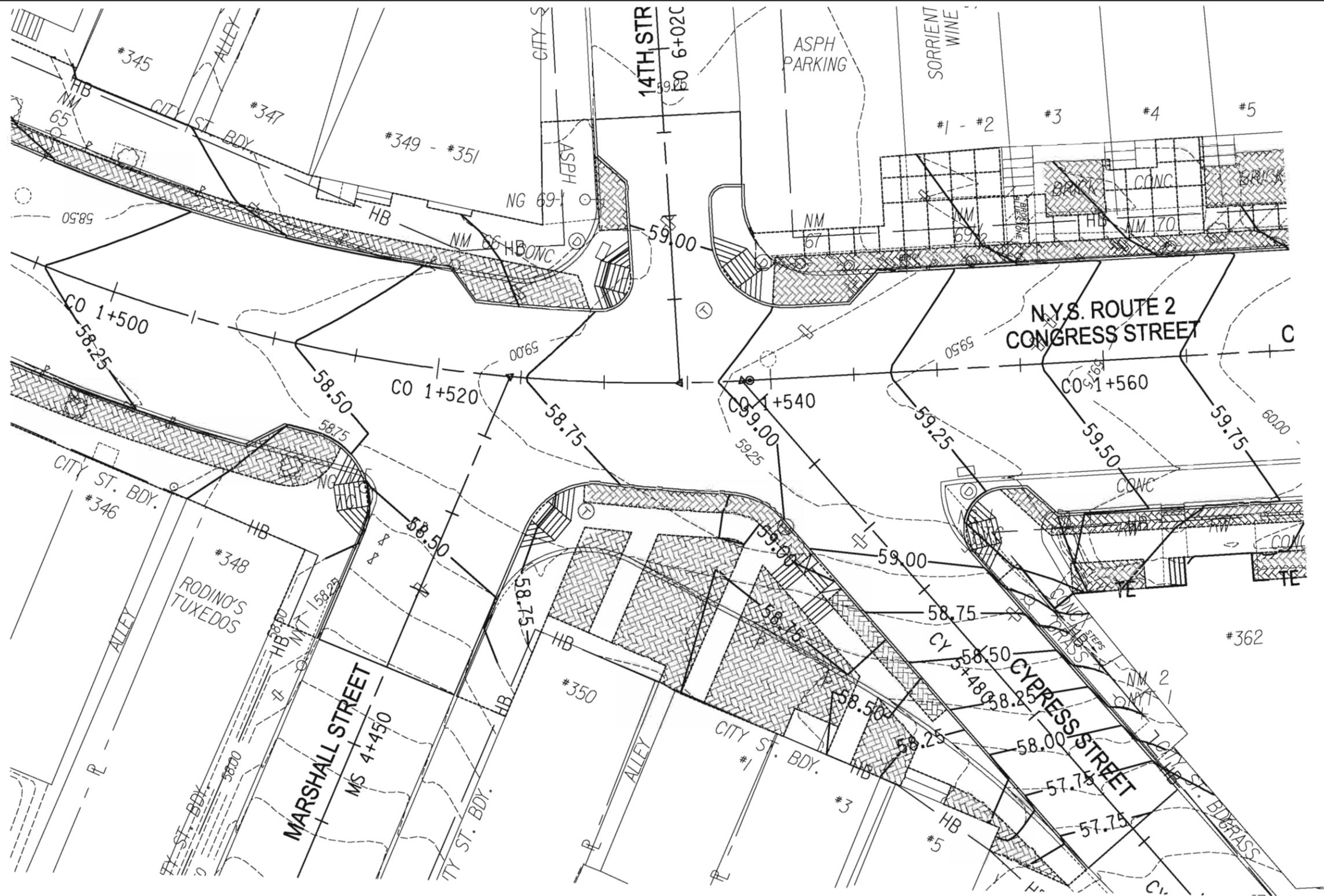
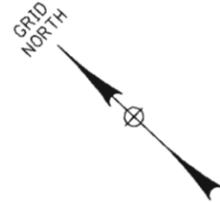
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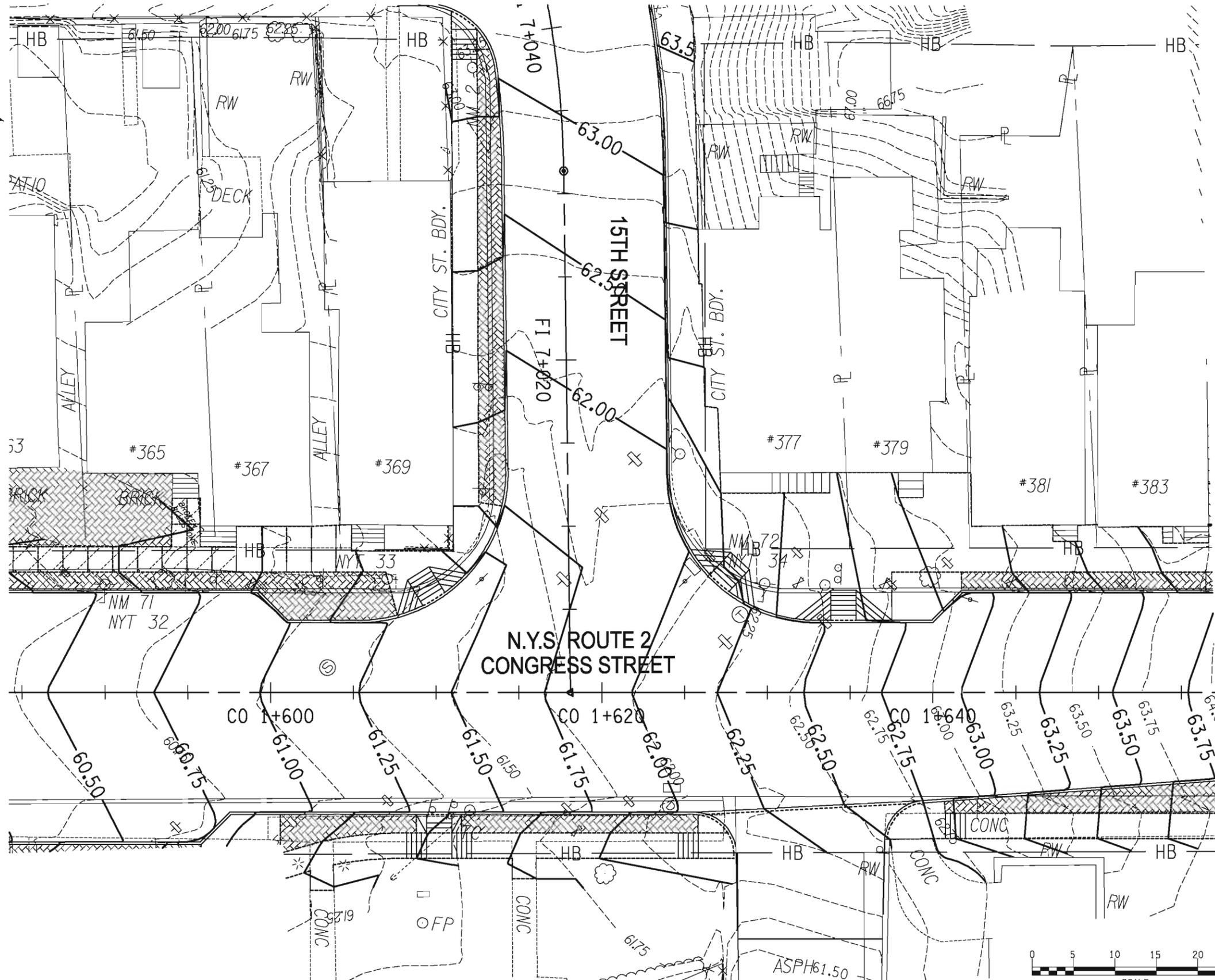
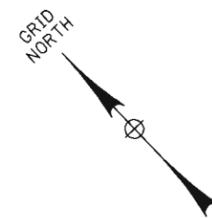
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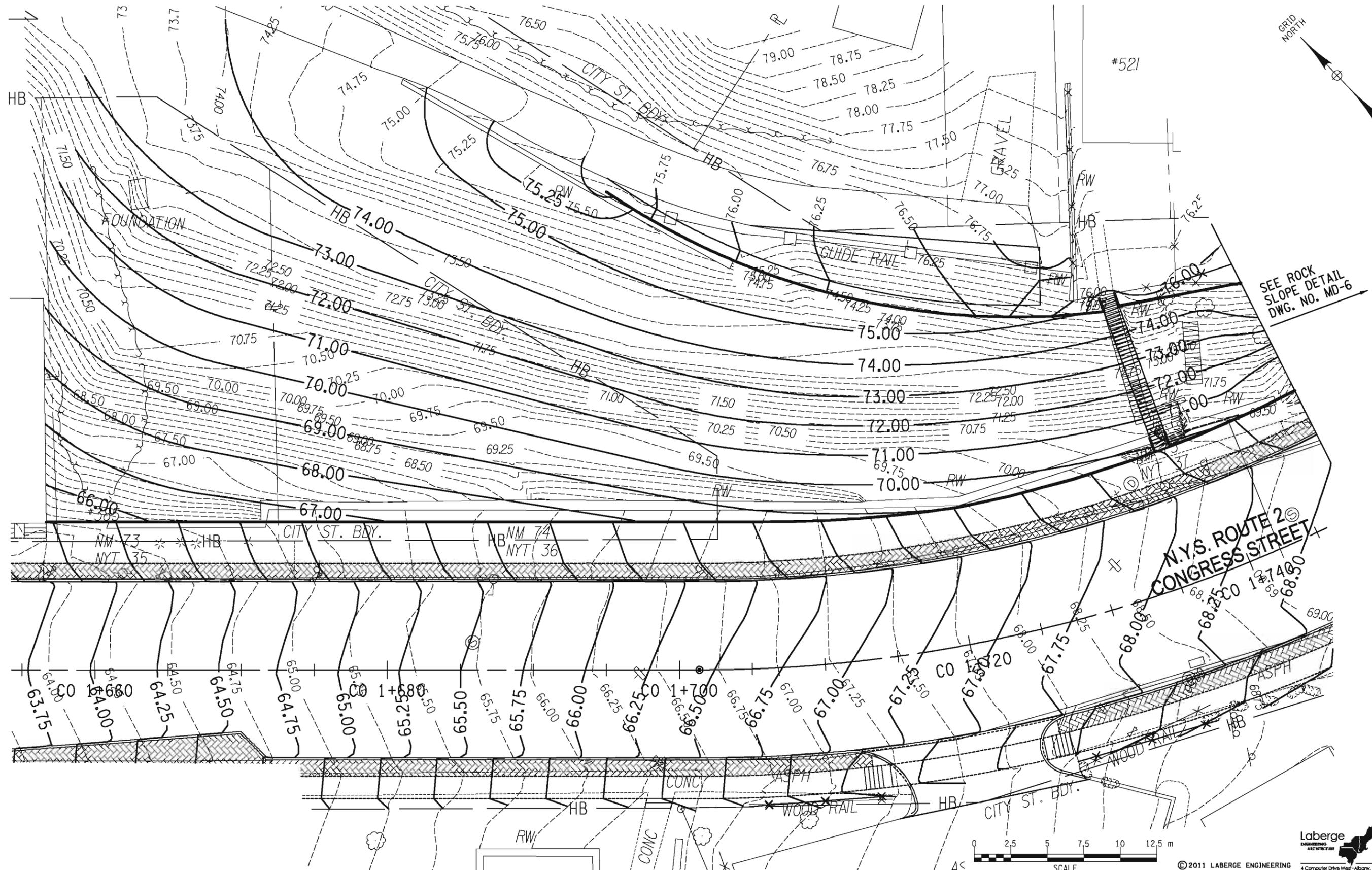
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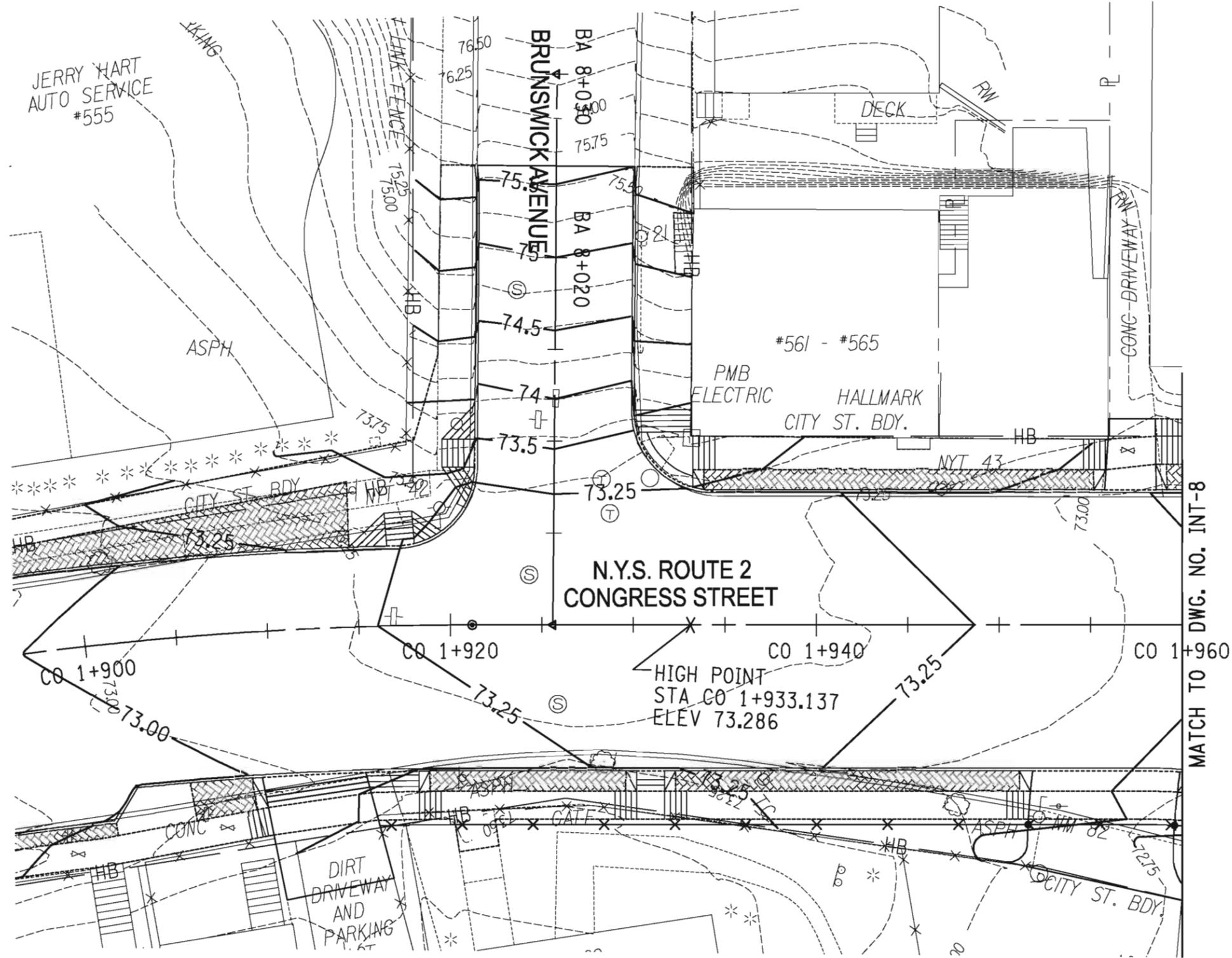


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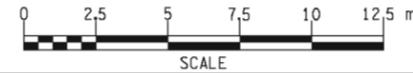


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MATCH TO DWG. NO. INT-8



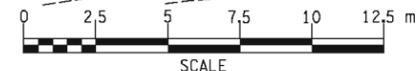
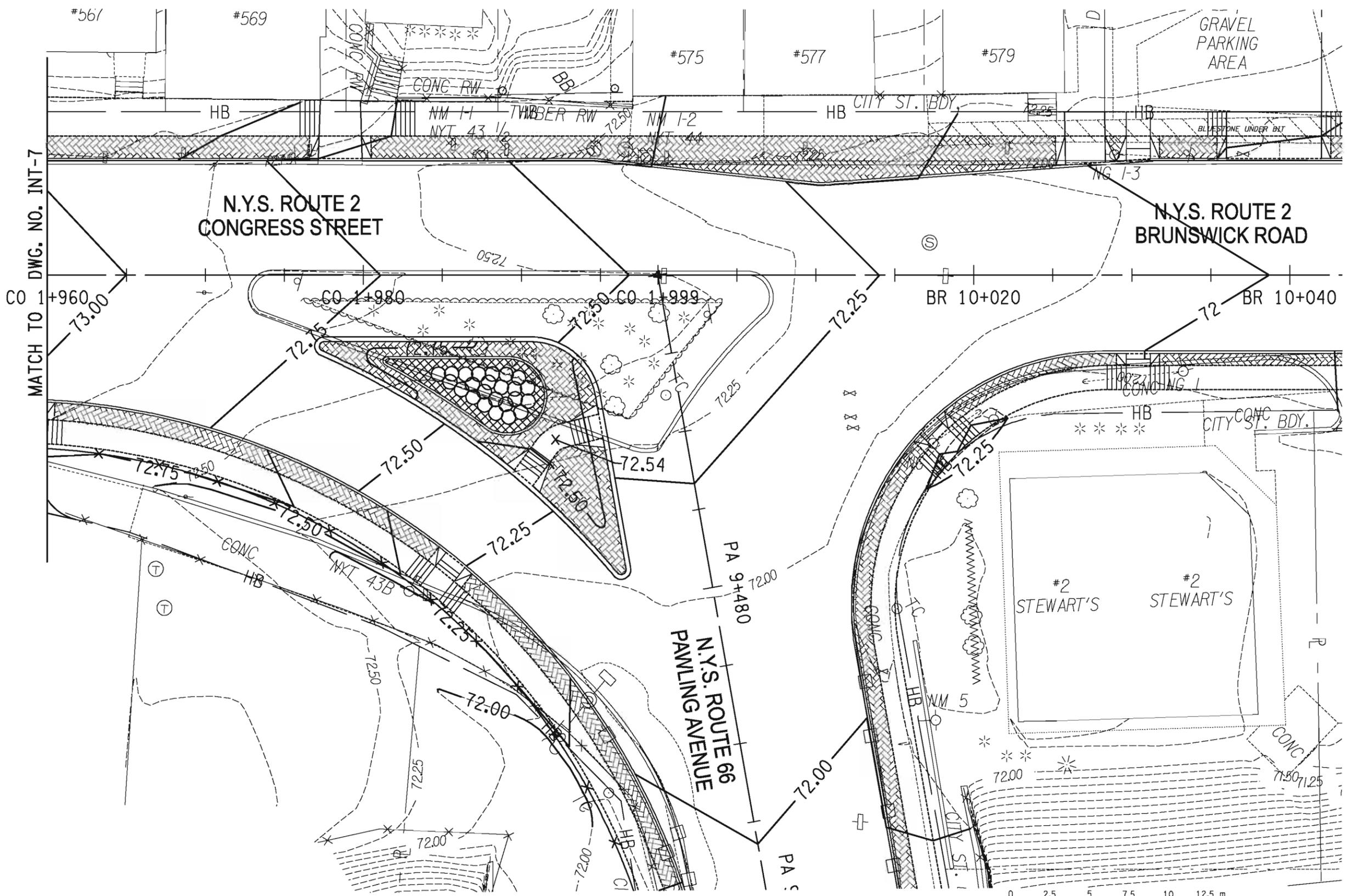
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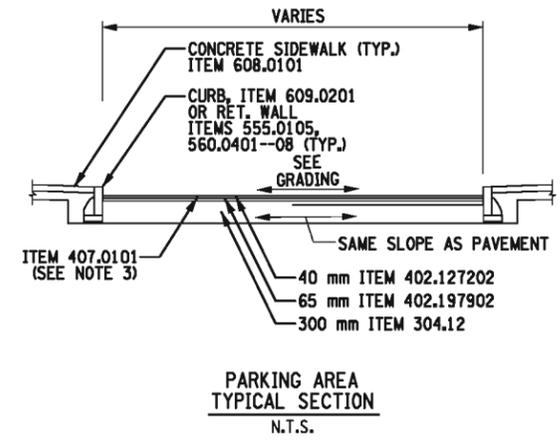
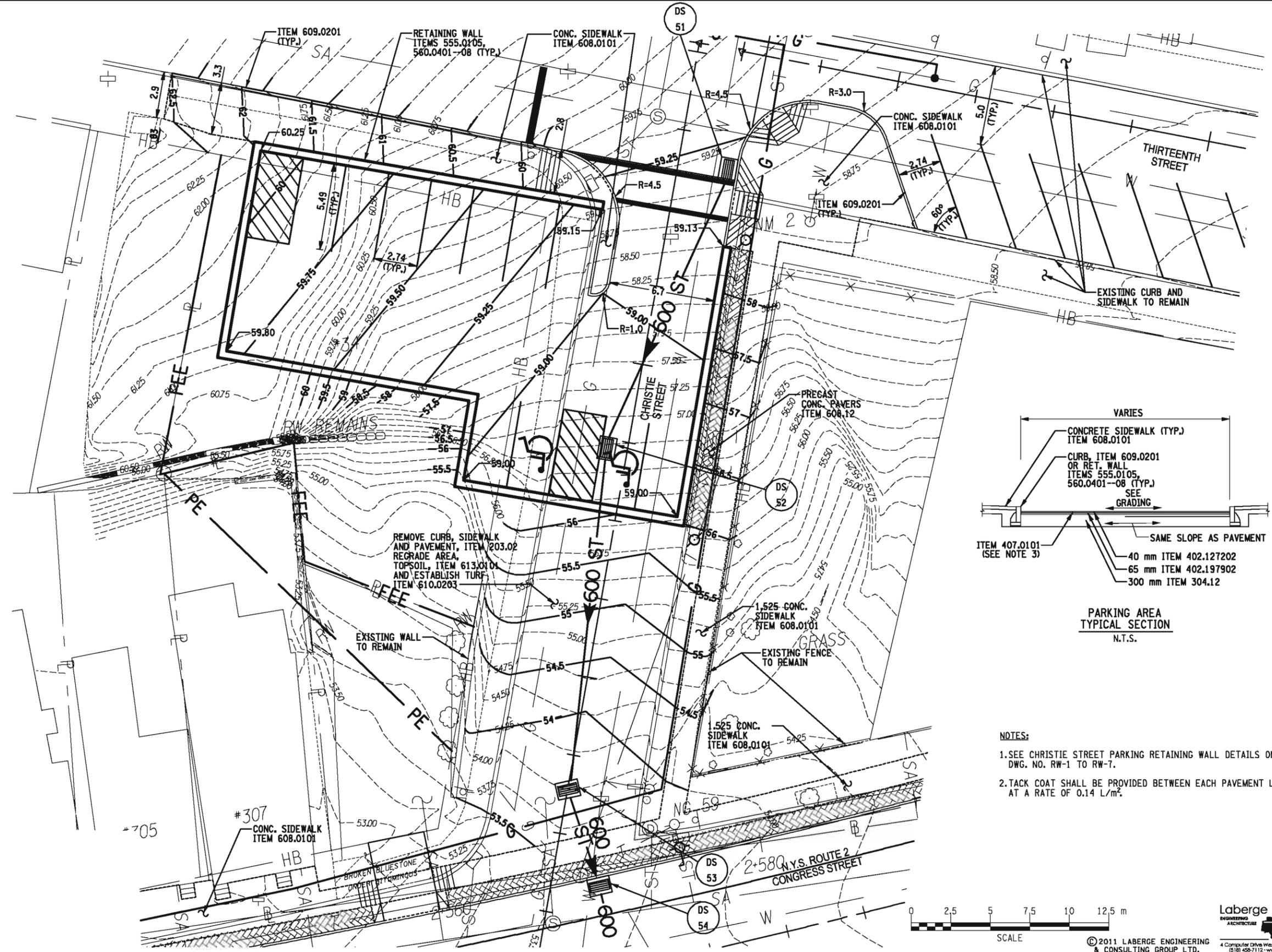
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SIGNATURE _____	DATE _____	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: 175339AH_INT.DGN				



- NOTES:
- SEE CHRISTIE STREET PARKING RETAINING WALL DETAILS ON DWG. NO. RW-1 TO RW-7.
 - TACK COAT SHALL BE PROVIDED BETWEEN EACH PAVEMENT LIFT AT A RATE OF 0.14 L/m².



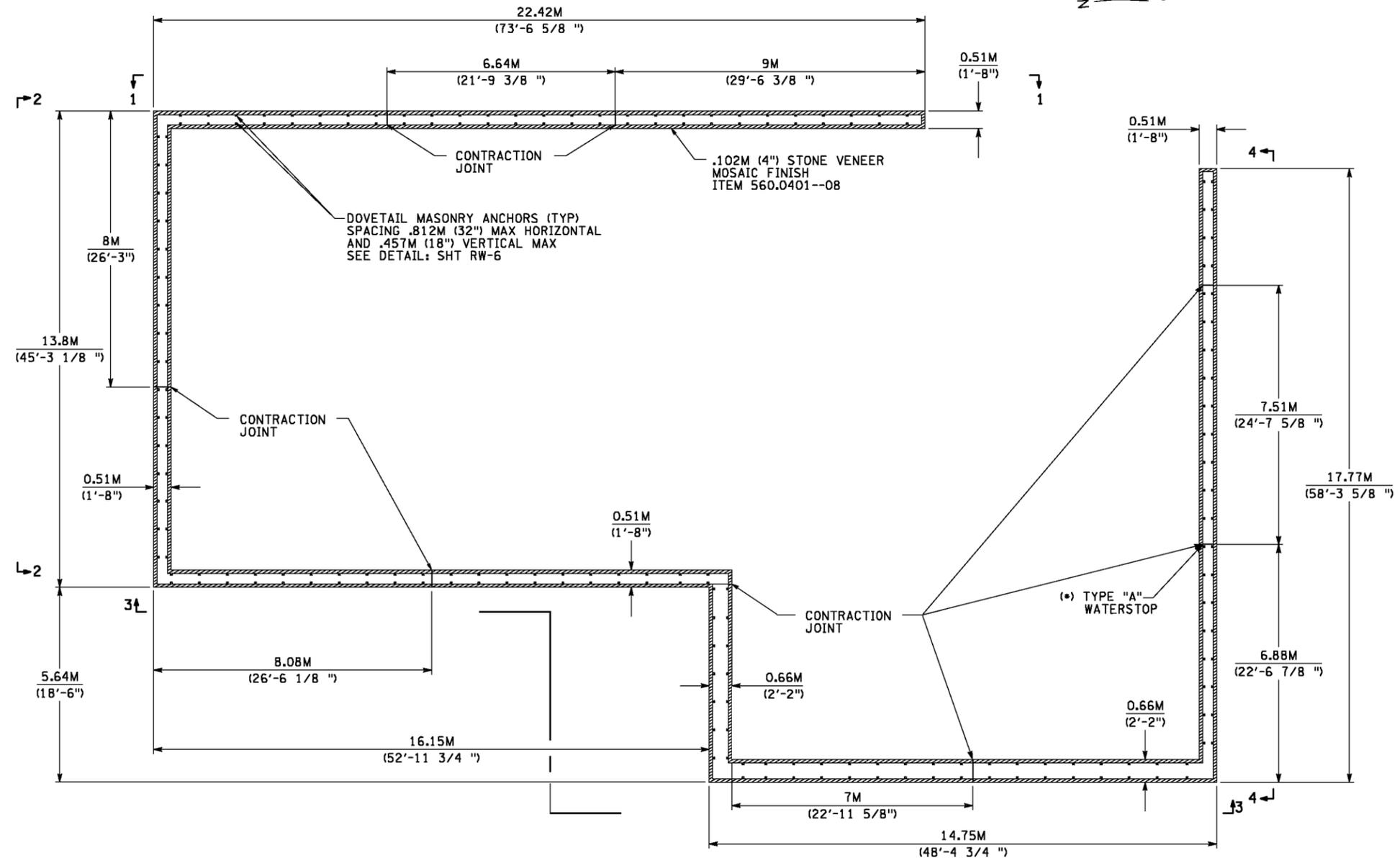
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SIGNATURE	CITY OF TROY		THE CITY OF TROY		CHRISTIE STREET PARKING AREA	DRAWING NO. PRK-1 SHEET NO. 142
DATE	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: 175339AA-PRK.DGN					

STRUCTURAL NOTES (RETAINING WALLS)

1. CONCRETE DATA: THE MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 21MPa AT 28 DAYS.
2. REINFORCING DATA: ALL NEW BAR REINFORCEMENT SHALL BE ASTM A 615M GRADE 420. BARS SHALL BE EPOXY-COATED AND FABRICATED IN ACCORDANCE WITH ASTM A 767M, AND MEET THE REQUIREMENTS OF NYSDOT MATERIAL SPECIFICATION 709-04.
3. SUBSURFACE EXPLORATIONS HAVE BEEN MADE FOR THIS PROJECT AT THE LOCATIONS INDICATED ON THE GENERAL PLAN, BORING LOGS AND OTHER SUBSURFACE INFORMATION MADE AVAILABLE FOR THE INSPECTION OF BIDDERS WERE OBTAINED WITH REASONABLE CARE AND RECORDED IN GOOD FAITH BY THE CITY.
4. FOOTING ELEVATIONS (FOR THE CHRISTIE STREET PARKING LOT RETAINING WALLS ARE BASED UPON AN ASSUMED ROCK PROFILE AND) MAY HAVE TO BE ADJUSTED SLIGHTLY DEPENDING ON THE [ACTUAL] ELEVATION OF BEDROCK. WHERE SOUND ROCK IS FOUND 0.6 METER OR LESS BELOW THE PLANNED ELEVATIONS OF THE BOTTOM OF FOOTING, BACKFILL OF CONCRETE FOR STRUCTURES CLASS A, ITEM 555.0104, SHALL BE INSTALLED TO THE BOTTOM OF FOOTING ELEVATION SHOWN ON THE PLANS. BACKFILL CONCRETE MAY BE POURED MONOLITHICALLY WITH THE FOOTING CONCRETE. WHERE SOUND ROCK IS FOUND MORE THAN 0.6 METER BELOW PLANNED ELEVATIONS OF THE BOTTOM OF FOOTING, THE ENGINEER, OR HIS DESIGNATED REPRESENTATIVE SHALL BE SO ADVISED AND A REDESIGN OF THE SUBSTRUCTURE MAY BE MADE.



PLAN - WALL (PARKING)
 SCALE: 1:75

NOTE:
 ALL VERTICAL CONTRACTION JOINTS SHALL USE A TYPE "D" WATERSTOP UNLESS NOTED OTHERWISE. (*)

REFERENCE NOTE	DWG. NO.
EARTHWALK SECTIONS	RW-2 & RW-3
FOOTING PARKING LOT	RW-4



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AS BUILT REVISIONS DESCRIPTION OF WORK: SIGNATURE _____ DATE _____	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				CHRISTIE STREET PARKING RETAINING WALL (PLAN)	
COUNTY: RENSSELAER	DRAWING NO. RW-1 SHEET NO. 143					
DOCUMENT NAME: RW-1.DGN						

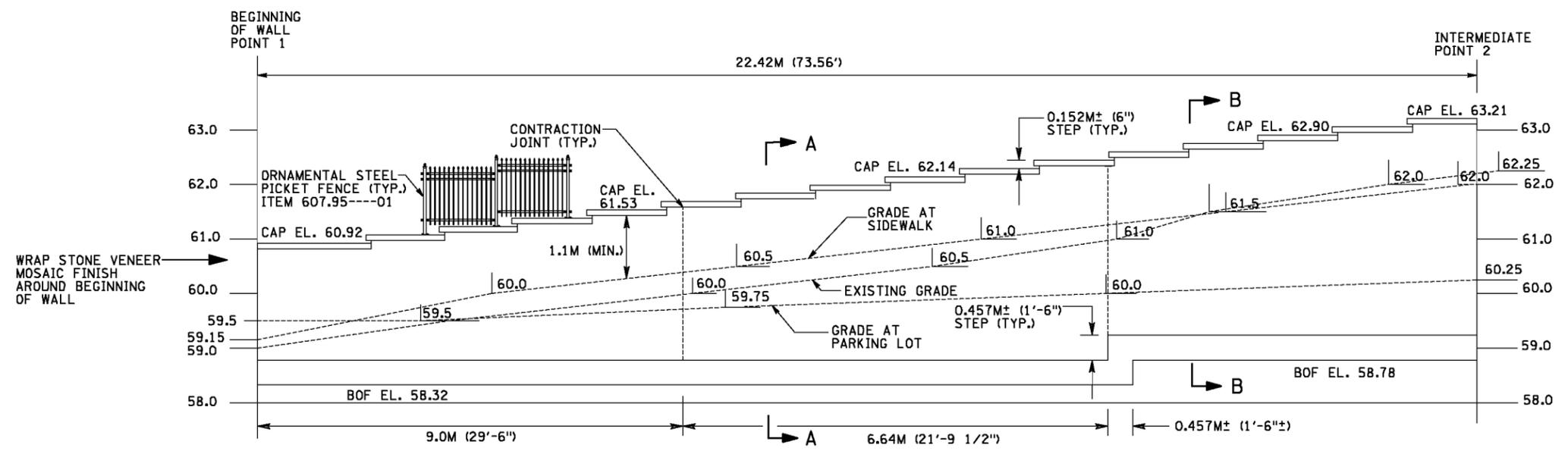
DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES

ESTIMATED BY A. BELL

DESIGNED BY A. BELL

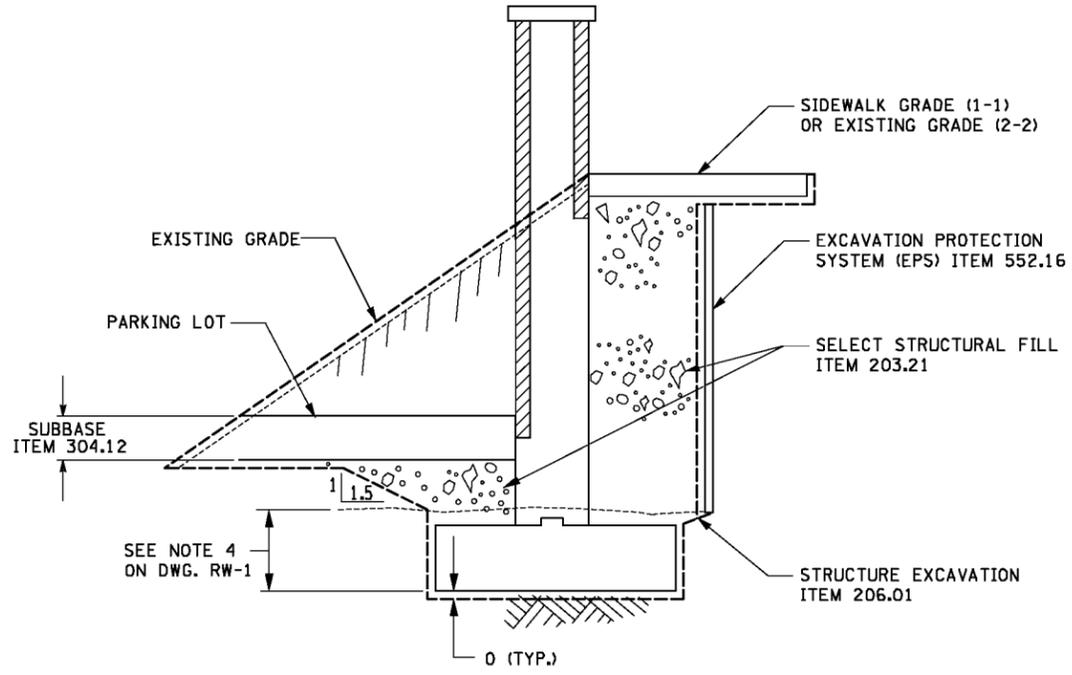
JOB MANAGER M. WIESZCHOWSKI DESIGNER R. J. LABERGE

208-104 RW-2.dgn

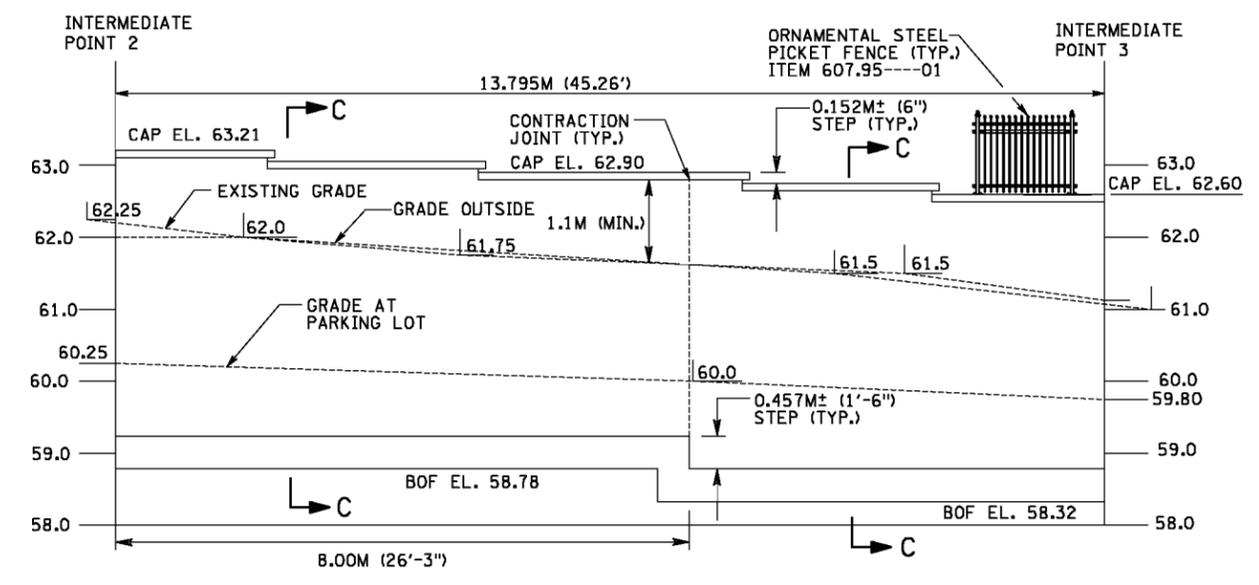


FRONT ELEVATION 1-1 OF EAST WALL (PARKING LOT)
SCALE: 1:50

NOTE:
CONCRETE STEP SILL FOR
MASONRY VENEER NOT SHOWN.



**TYPICAL EARTHWORK SECTION
PARKING LOT RETAINING WALL**
SCALE: 1:25



FRONT ELEVATION 2-2 OF NORTH WALL (PARKING LOT)
SCALE: 1:50

NOTE:
CONCRETE STEP SILL FOR
MASONRY VENEER NOT SHOWN.

REFERENCE NOTE	DWG. NO.
STRUCTURAL NOTES	RW-1
DETAILS & SECTIONS	RW-6
ORNAMENTAL STEEL PICKET FENCE	RW-10



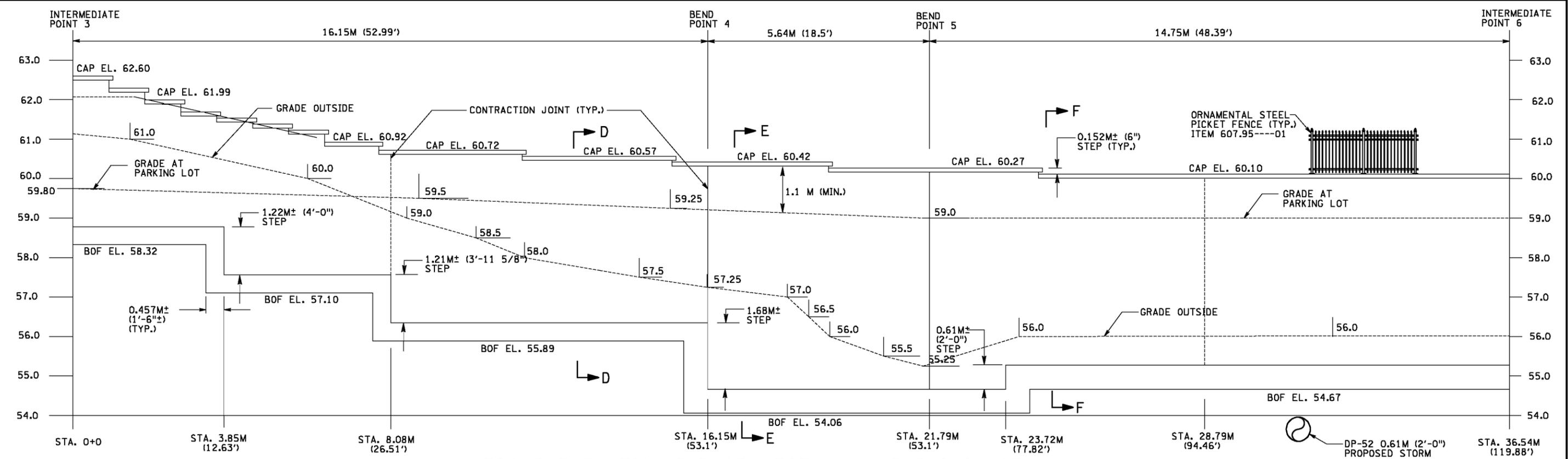
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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE	DATE	CITY OF TROY				
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: RW-2.DGN				

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DATE/TIME = 1/7/2011
USER = MJP

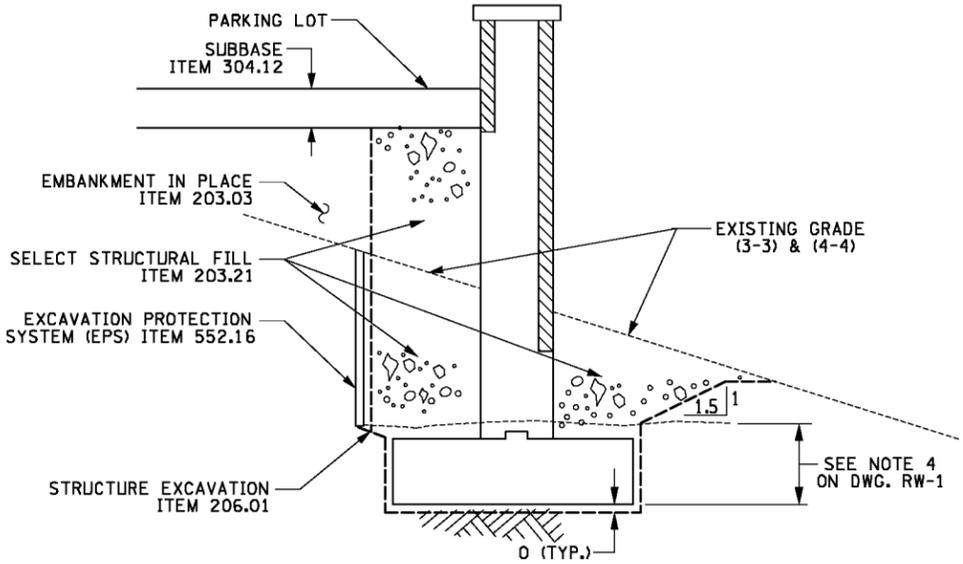
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 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE
 JOB MANAGER M. WIESZCZOWSKI
 DESIGNED BY A. BELL
 CHECKED BY W. DRITZ
 ESTIMATED BY A. BELL
 DRAFTED BY M. PSZENICZNY
 CHECKED BY D. RHODES
 208-104 RW-3.dgn



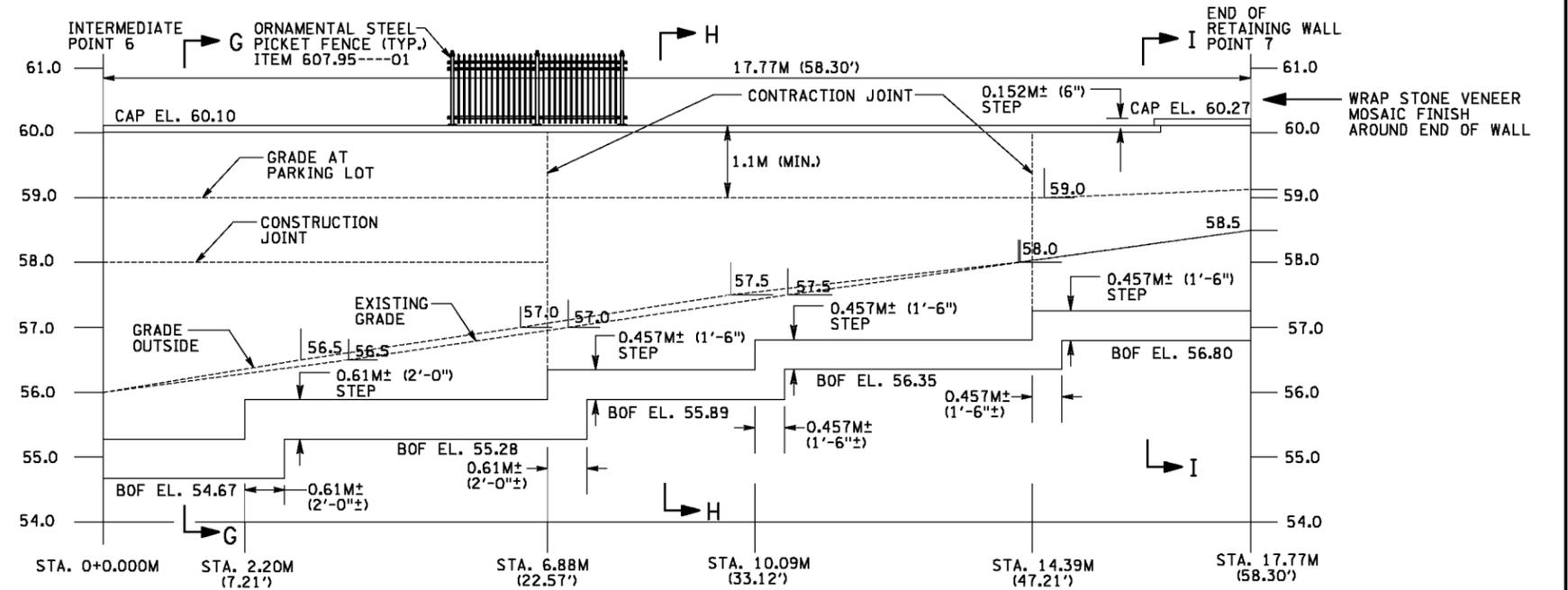
FRONT ELEVATION 3-3 OF WEST WALL (PARKING LOT)

SCALE: 1:50 NOTE:
 CONCRETE STEP SILL FOR
 MASONRY VENEER NOT SHOWN.



**TYPICAL EARTHWORK SECTION
 PARKING LOT RETAINING WALL**

SCALE: 1:25



FRONT ELEVATION 4-4 OF SOUTH WALL (PARKING LOT)

SCALE: 1:50 NOTE:
 CONCRETE STEP SILL FOR
 MASONRY VENEER NOT SHOWN.

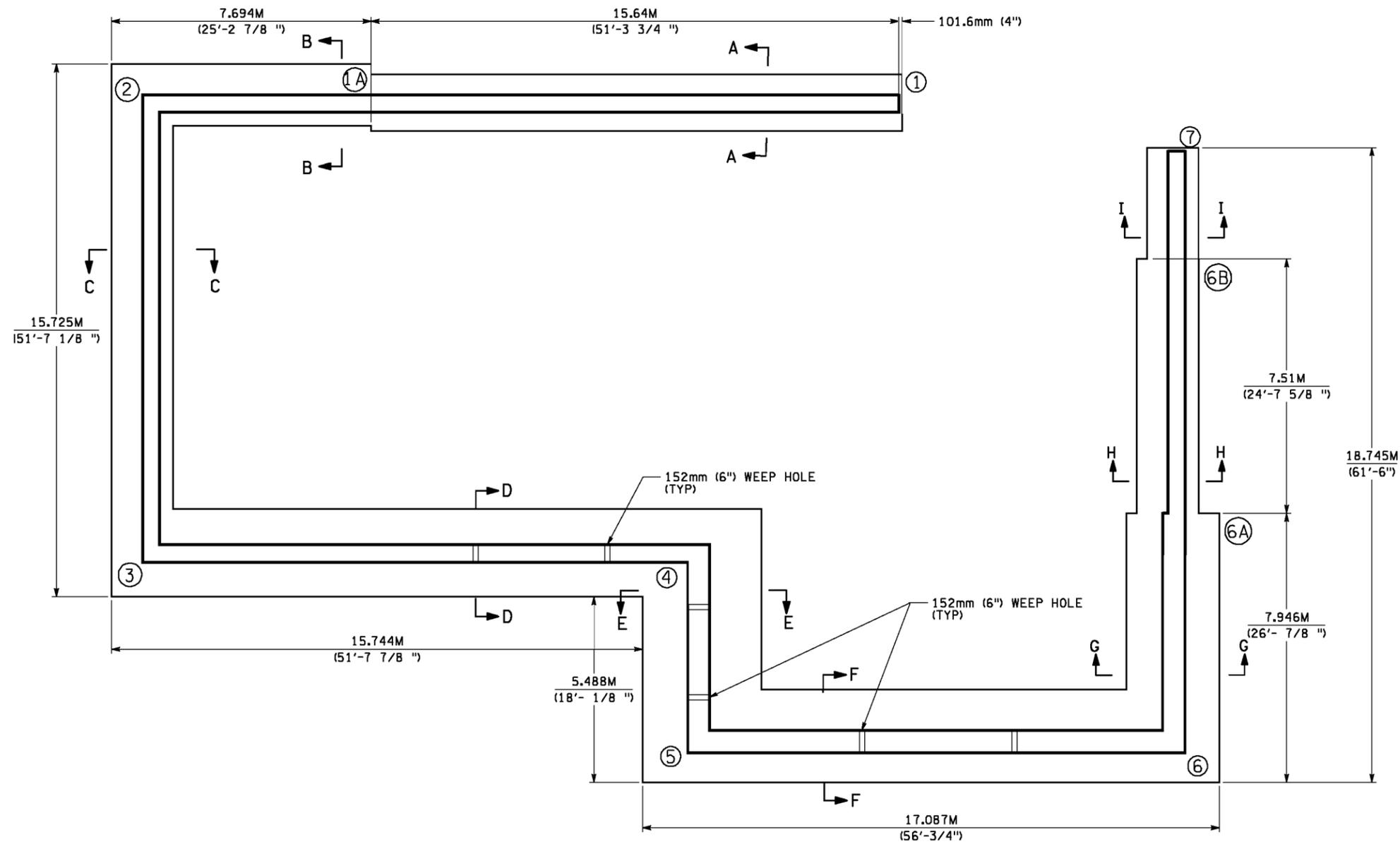
REFERENCE NOTE DWG. NO.

STRUCTURAL NOTES RW-1
 DETAILS & SECTIONS RW-7 & RW-7A
 ORNAMENTAL STEEL PICKET FENCE RW-10

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SIGNATURE _____	S.H. C65026	PS&E DATE: 1/10/11			CHRISTIE STREET PARKING RETAINING WALL ELEV. (WEST & SOUTH)	DRAWING NO. RW-3 SHEET NO. 145
DATE _____	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: RW-3.DGN					

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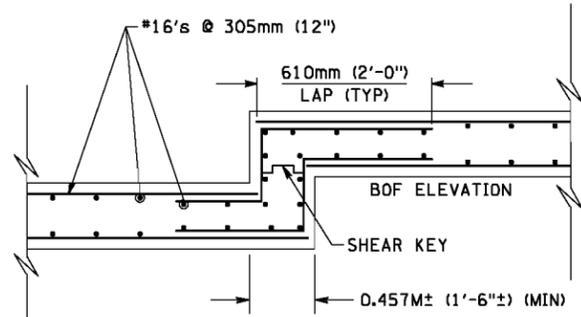
FOOTING FOR PARKING LOT
 SCALE: 1:75

REFERENCE NOTE	DWG. NO.
CONTRACTION JOINT LAYOUT	RW-1
FOOTING REINFORCING	RW-5
SECTION DETAILS	RW-6, RW-7 & RW-7A

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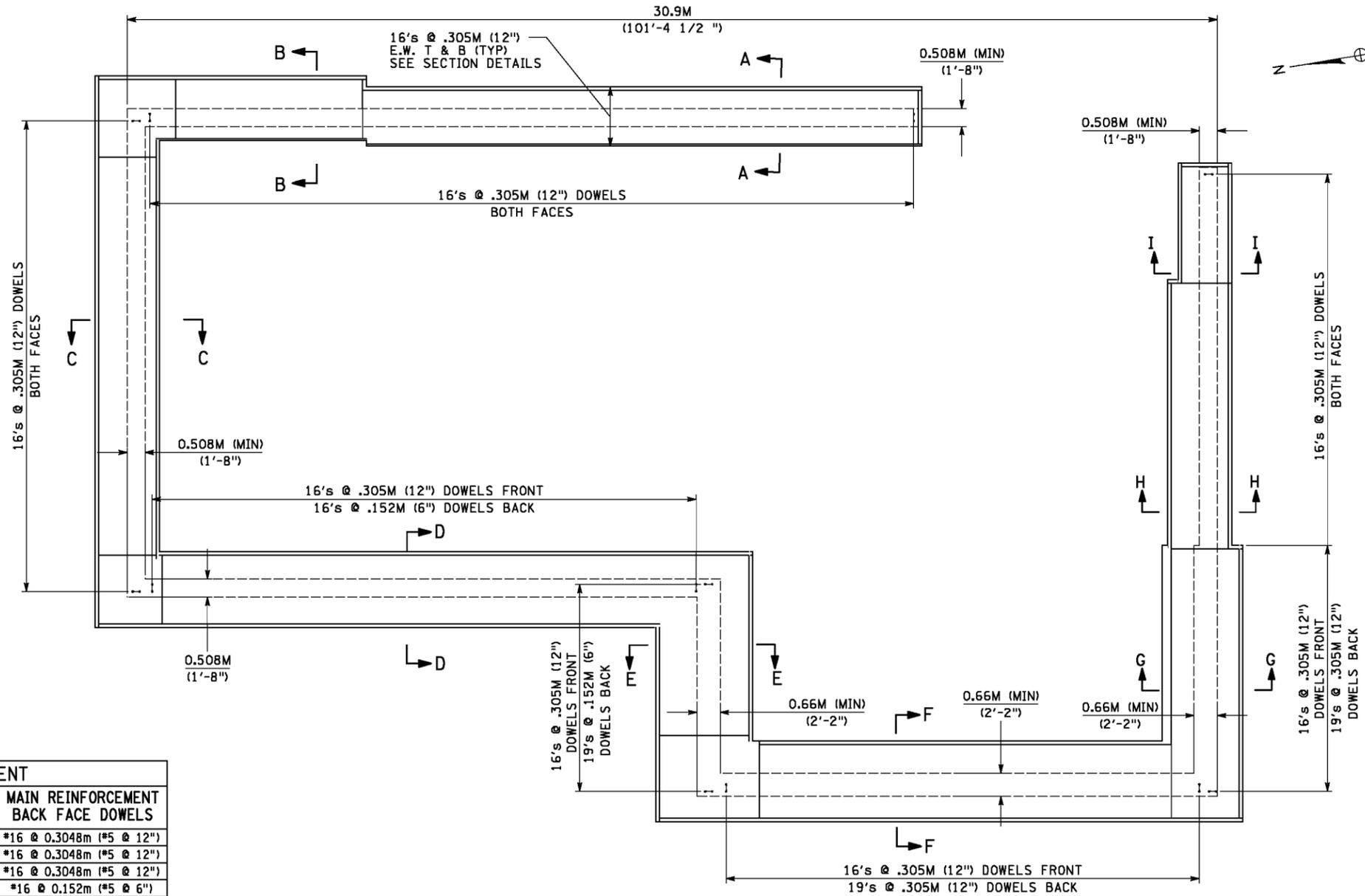


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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE _____	DATE _____	CITY OF TROY			CHRISTIE STREET PARKING RETAINING WALL (FOOTING LAYOUT)	
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: RW-4.DGN				



FOOTING STEP SECTION
SCALE: 1:25

PARKING LOT FOOTING DIMENSIONS AND REINFORCEMENT						
LOCATION	SECTION	WALL THICKNESS	FOOTING WIDTH	HEEL	TOE	MAIN REINFORCEMENT BACK FACE DOWELS
1 TO 1A	A-A	0.508m (1'-8")	1.676m (5'-6")	0.61m (2'-0")	0.559m (1'-10")	*16 @ 0.3048m (#5 @ 12")
1A TO 2	B-B	0.508m (1'-8")	1.829m (6'-0")	0.914m (3'-0")	0.406m (1'-4")	*16 @ 0.3048m (#5 @ 12")
2 TO 3	C-C	0.508m (1'-8")	1.829m (6'-0")	0.914m (3'-0")	0.406m (1'-4")	*16 @ 0.3048m (#5 @ 12")
3 TO 4	D-D	0.508m (1'-8")	2.591m (8'-6")	1.067m (3'-6")	1.016m (3'-4")	*16 @ 0.152m (#5 @ 6")
4 TO 5	E-E	0.660m (2'-2")	3.505m (11'-6")	1.524m (5'-0")	1.320m (4'-4")	*19 @ 0.152m (#6 @ 6")
5 TO 6	F-F	0.660m (2'-2")	2.743m (9'-0")	1.219m (4'-0")	0.863m (2'-10")	*19 @ 0.3048m (#6 @ 12")
6 TO 6A	G-G	0.660m (2'-2")	2.743m (9'-0")	1.219m (4'-0")	0.863m (2'-10")	*19 @ 0.3048m (#6 @ 12")
6A TO 6B	H-H	0.508m (1'-8")	1.829m (6'-0")	0.914m (3'-0")	0.406m (1'-4")	*16 @ 0.3048m (#5 @ 12")
6B TO 7	I-I	0.508m (1'-8")	1.524m (5'-0")	0.61m (2'-0")	0.406m (1'-4")	*16 @ 0.3048m (#5 @ 12")



FOOTING REINFORCING - WALL (PARKING)
SCALE: 1:75

REFERENCE NOTE DWG. NO.

FOOTING DIMENSIONS SECTION DETAILS

RW-4
RW-6, RW-7 & RW-7A

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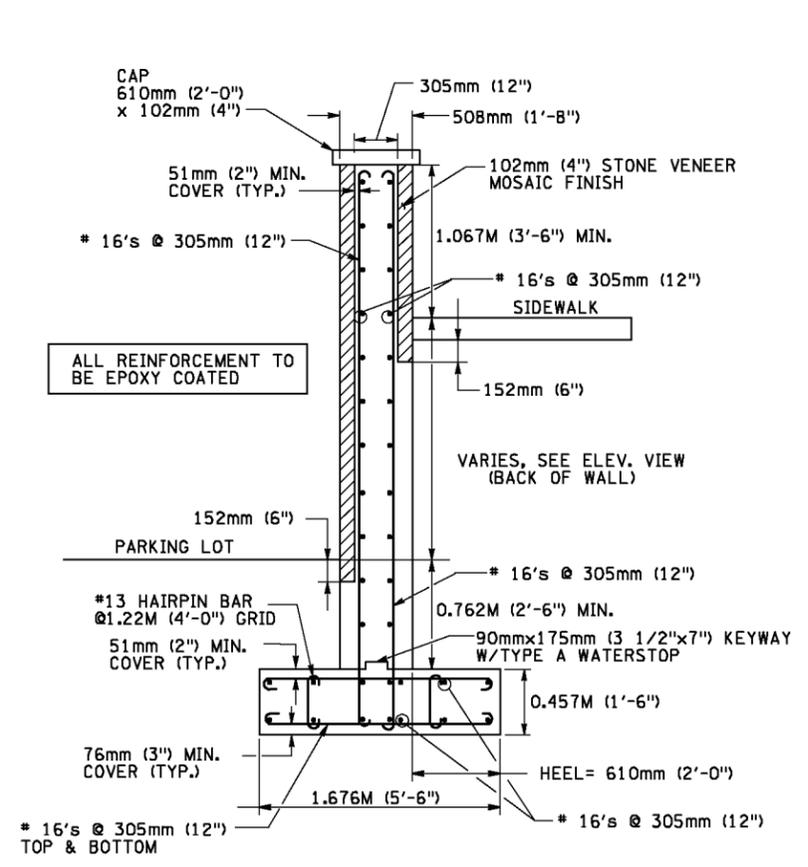


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	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				CHRISTIE STREET PARKING RETAINING WALL (FOOTING REINFORCING)	DRAWING NO. RW-5 SHEET NO. 147
COUNTY: RENSSELAER	DOCUMENT NAME: RW-5.DGN					

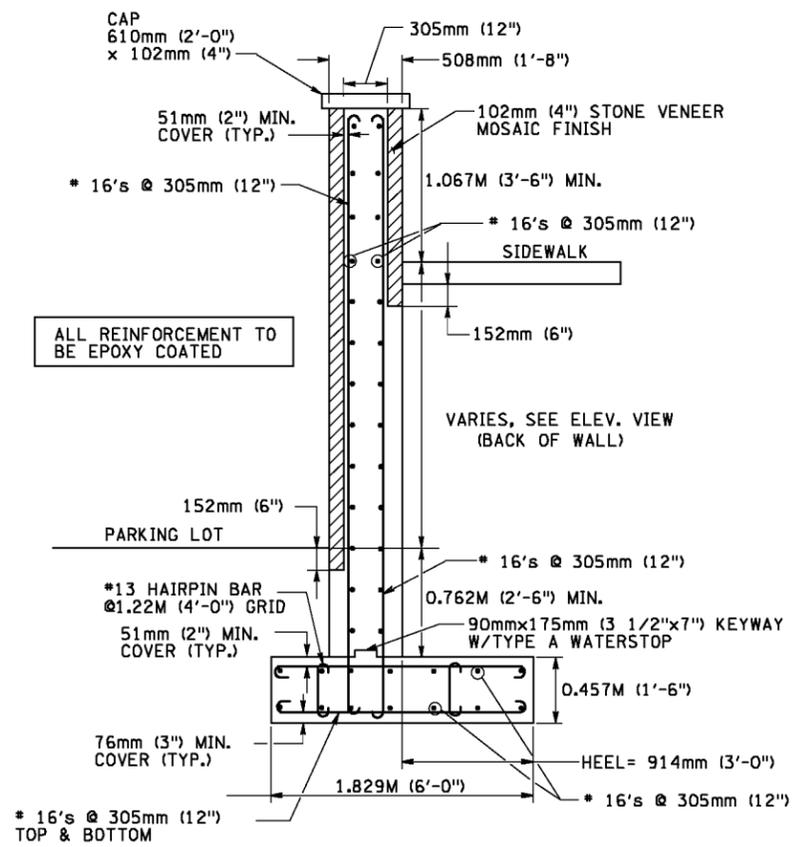
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 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI CHECKED BY A. BELL ESTIMATED BY A. BELL CHECKED BY M. PSZENICZNY DRAFTED BY D. RHODES

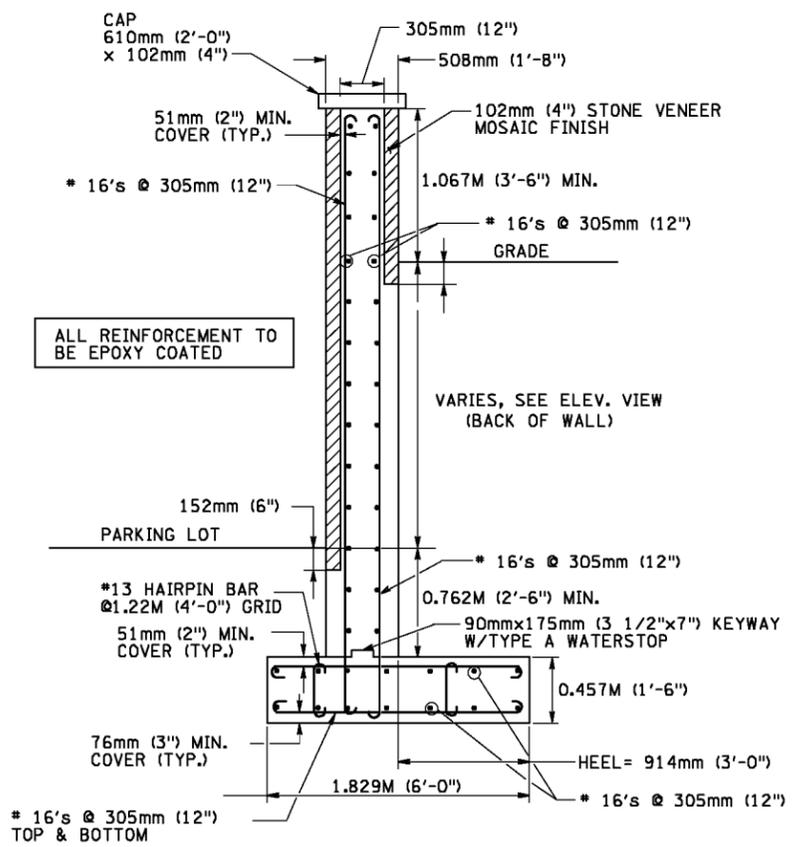
208-104 RW-6.dgn



SECTION A-A
PARKING LOT RETAINING WALL
 SCALE: 1:25

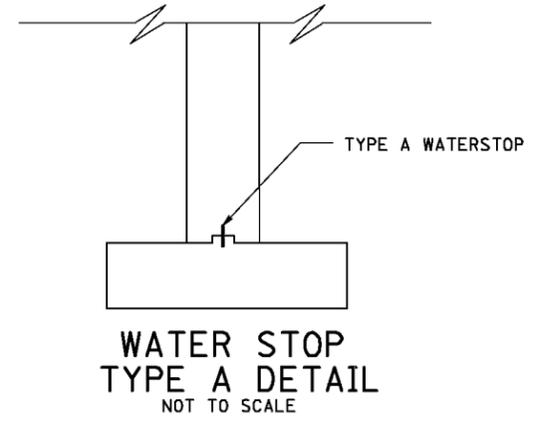


SECTION B-B
PARKING LOT RETAINING WALL
 SCALE: 1:25

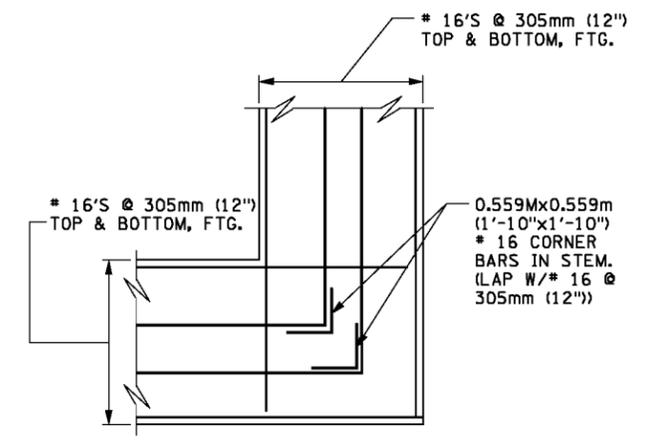


SECTION C-C
PARKING LOT RETAINING WALL
 SCALE: 1:25

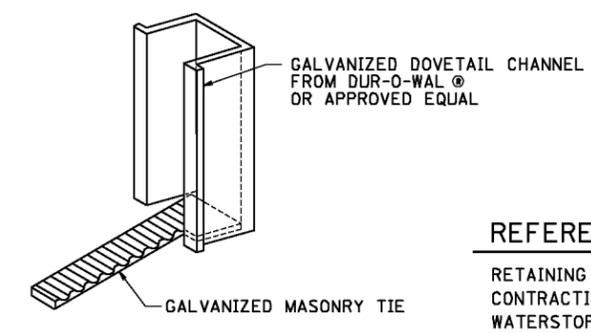
NOTE:
 ORNAMENTAL STEEL PICKET
 FENCE NOT SHOWN



WATER STOP
TYPE A DETAIL
 NOT TO SCALE



CORNER REINFORCING DETAIL
 NOT TO SCALE



MASONRY ANCHOR DETAIL
 NOT TO SCALE

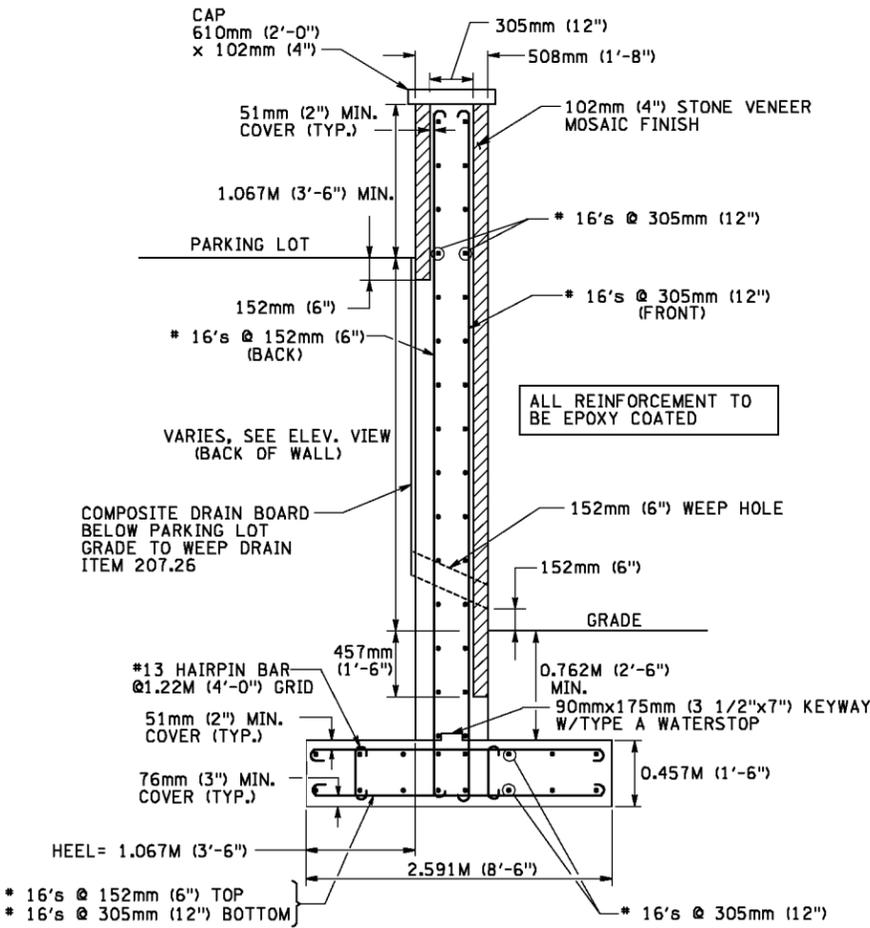
REFERENCE NOTE	DWG. NO.
RETAINING WALL FOOTING	RW-4 & RW-5
CONTRACTION JOINT DETAILS	RW-7
WATERSTOP DETAILS	RW-7A
CAPSTONE DETAIL	RW-7

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SIGNATURE	DATE	PS&E DATE: 1/10/11			CHRISTIE STREET PARKING RETAINING WALL (DETAILS & SECTIONS)	DRAWING NO. RW-6 SHEET NO. 14B

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 DATE/TIME = 1/7/2011
 USER = MJP

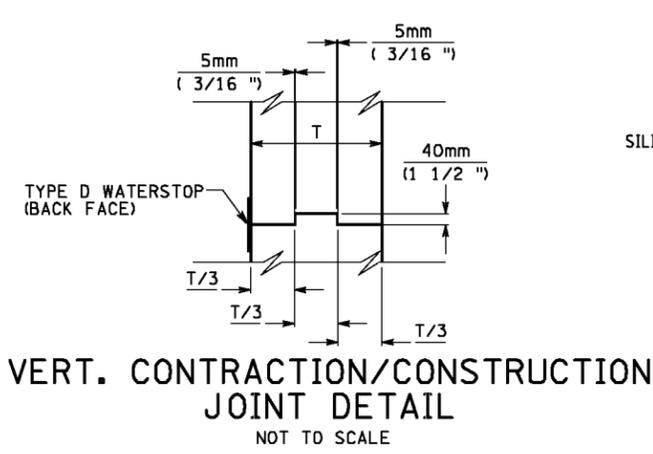
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 CHECKED BY M. PSZENICZNY
 ESTIMATED BY A. BELL
 CHECKED BY W. DRITZ
 DESIGNED BY A. BELL
 JOB MANAGER M. WIESZCHOWSKI
 DESIGN SUPERVISOR R. J. LABERGE



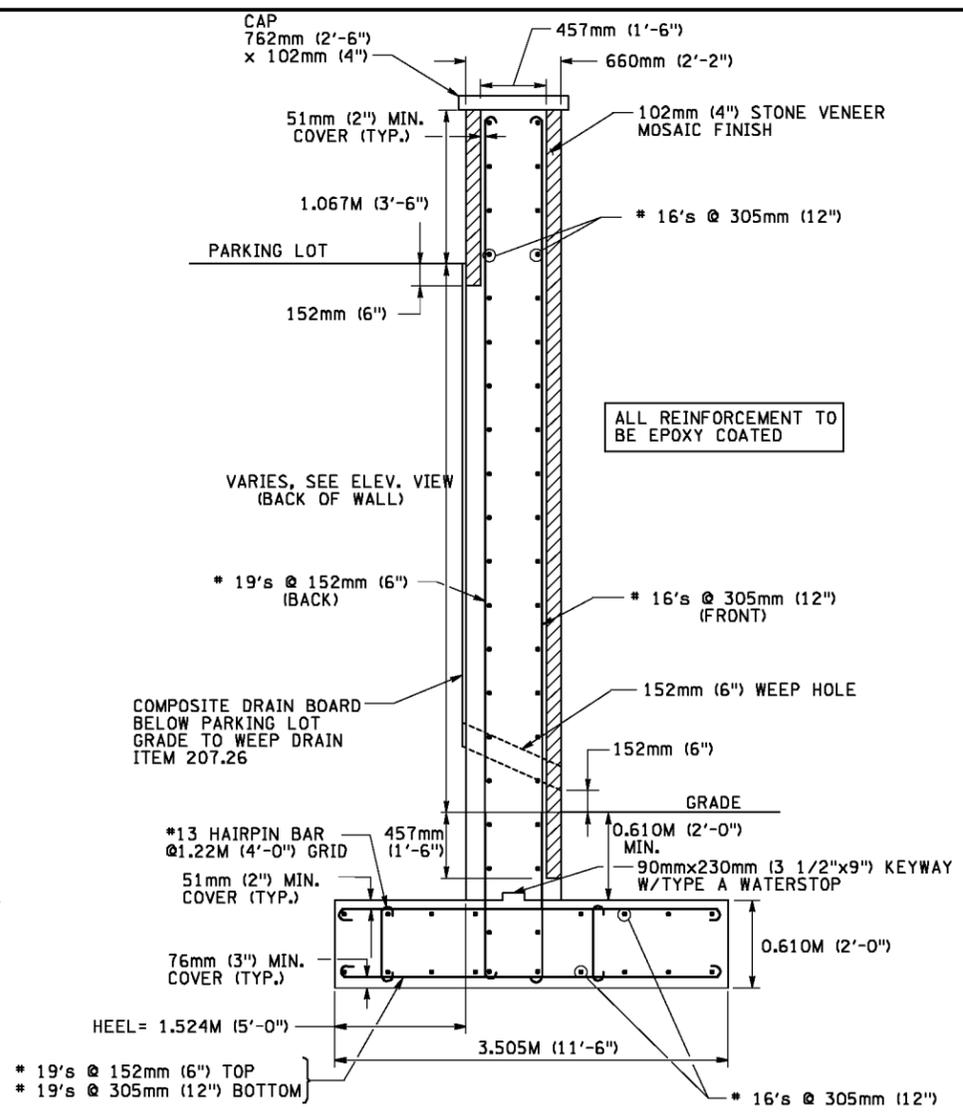
**SECTION D-D
 PARKING LOT RETAINING WALL**
 SCALE: 1:25

NOTE:
 ORNAMENTAL STEEL PICKET FENCE NOT SHOWN

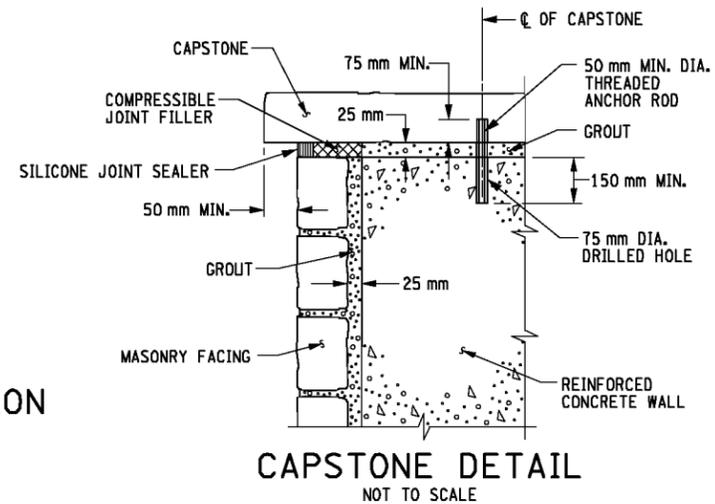
REFERENCE NOTE **DWG. NO.**
 RETAINING WALL FOOTING RW-4 & RW-5
 WATERSTOP DETAILS RW-7A



VERT. CONTRACTION/CONSTRUCTION JOINT DETAIL
 NOT TO SCALE

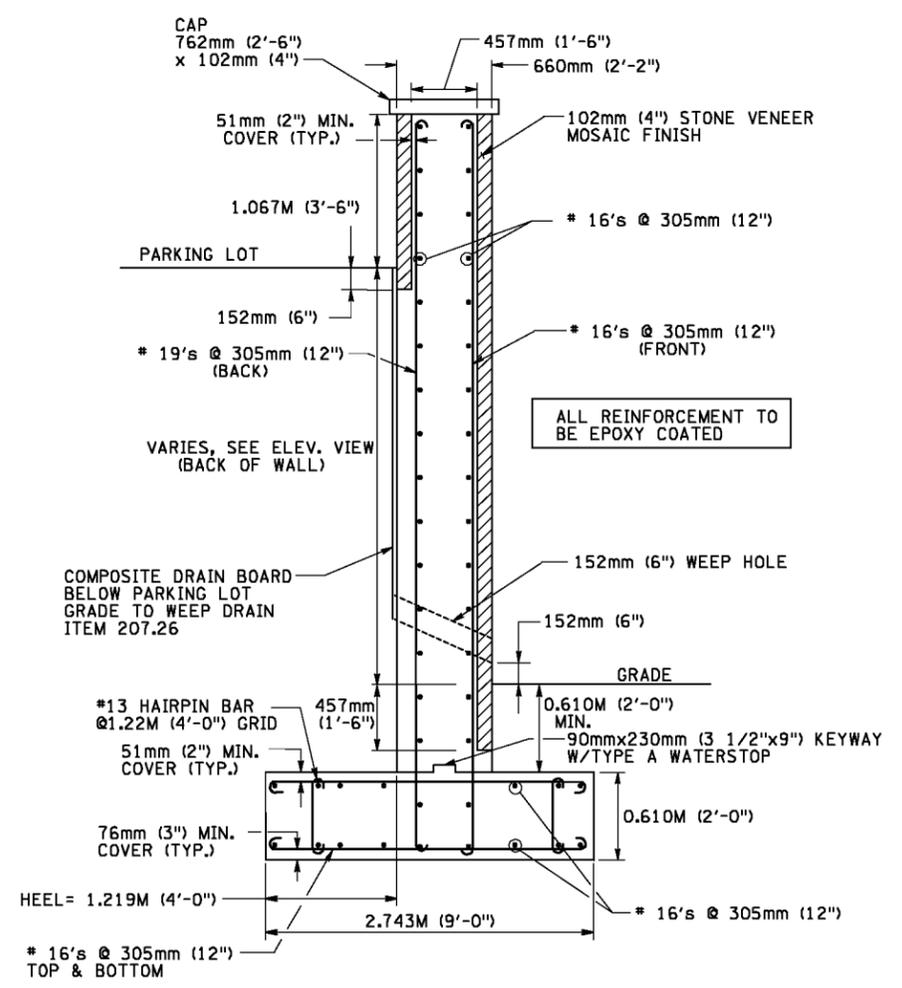


**SECTION E-E
 PARKING LOT RETAINING WALL**
 SCALE: 1:25

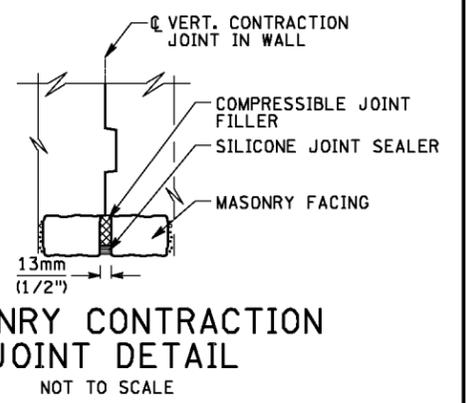


CAPSTONE DETAIL
 NOT TO SCALE

CAPSTONE NOTES:
 CAPSTONES MAY BE STONE MASONRY, PRECAST CONCRETE OR CAST-IN-PLACE CONCRETE.
 CAPSTONES SHALL BE FULL WIDTH OF WALL PLUS OVERHANG. OVERHANG SHALL BE PROVIDED WHENEVER POSSIBLE. LARGER OVERHANGS SHALL HAVE A DRIP GROOVE.
 PRECAST AND STONE MASONRY CAPSTONES SHALL HAVE A MINIMUM OF 2 ANCHORS PER SEGMENT. ANCHORS SHALL BE PLACED 150mm MINIMUM FROM THE SEGMENT ENDS. ANCHORS MAY BE GALVANIZED OR STAINLESS STEEL AND MAY BE CAST IN THE WALL OR DRILLED AND GROUTED.



**SECTION F-F
 PARKING LOT RETAINING WALL**
 SCALE: 1:25



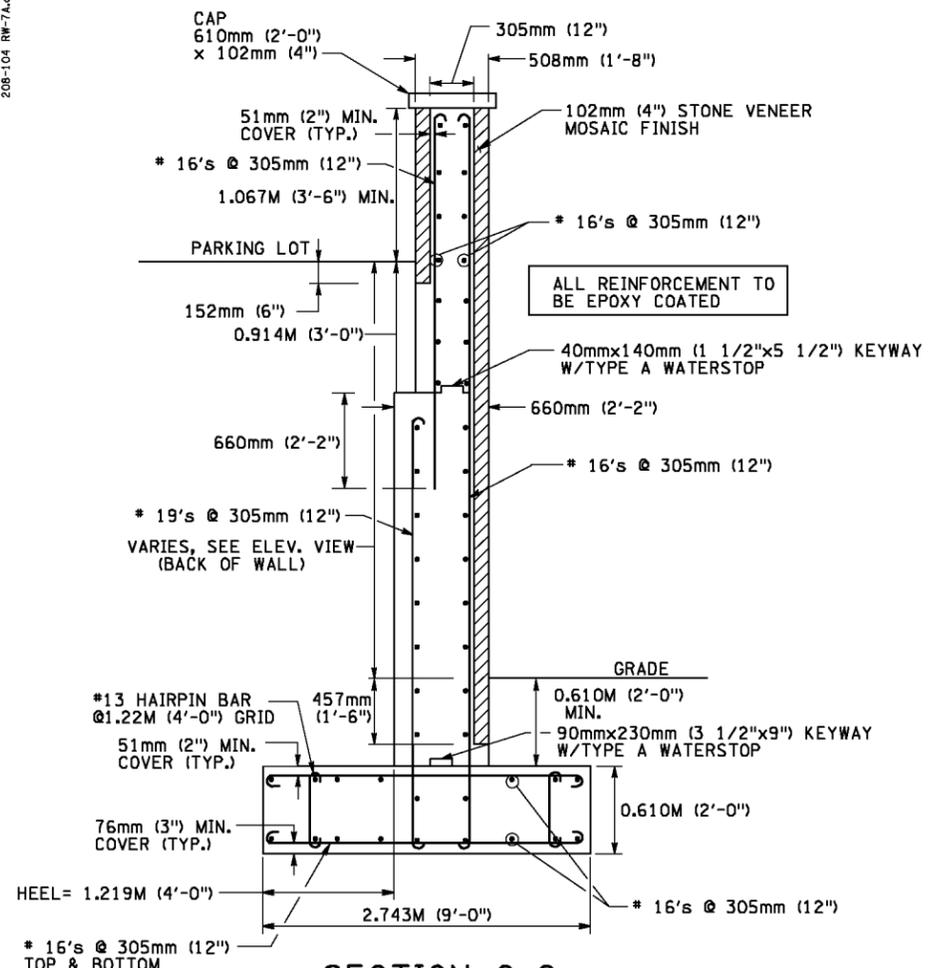
MASONRY CONTRACTION JOINT DETAIL
 NOT TO SCALE

AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY		CHRISTIE STREET PARKING RETAINING WALL (DETAILS & SECTIONS)	DRAWING NO. RW-7 SHEET NO. 149
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
SIGNATURE	DATE	DOCUMENT NAME: RW-7.DGN				

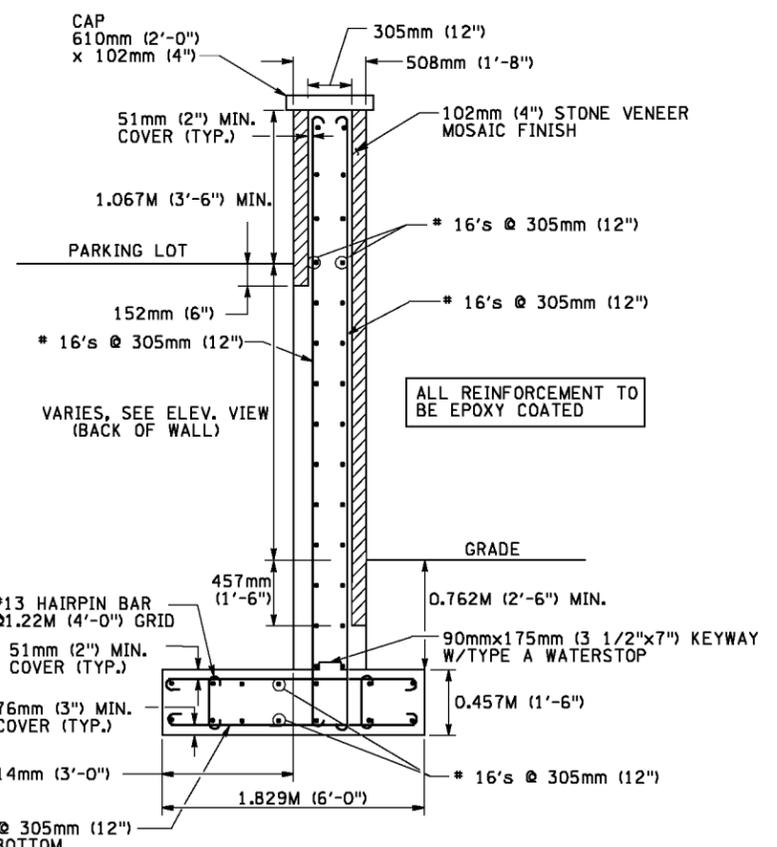


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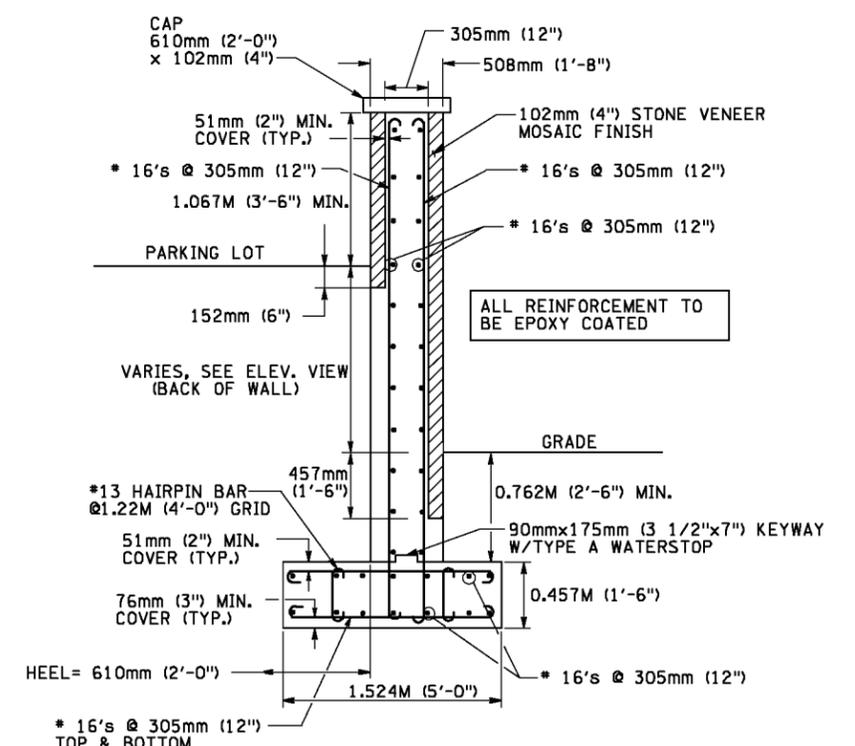
DESIGN SUPERVISOR R. J. LABERGE
 JOB MANAGER M. WIESZCHOWSKI
 CHECKED BY A. BELL
 DRAFTED BY M. PSZENICZNY
 CHECKED BY D. RHODES
 208-104 RW-7a.dgn



**SECTION G-G
 PARKING LOT RETAINING WALL**
 SCALE: 1:25

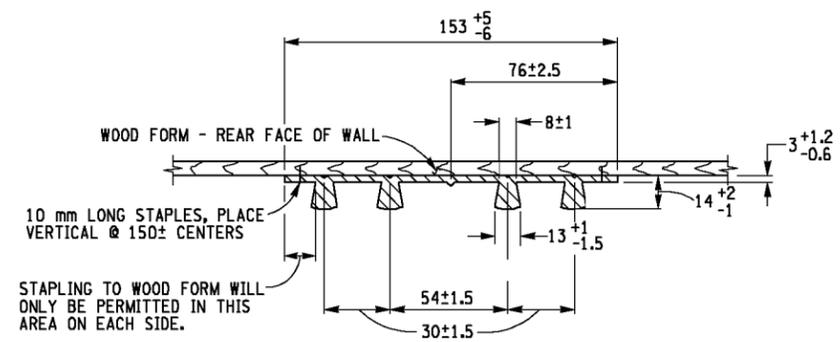


**SECTION H-H
 PARKING LOT RETAINING WALL**
 SCALE: 1:25

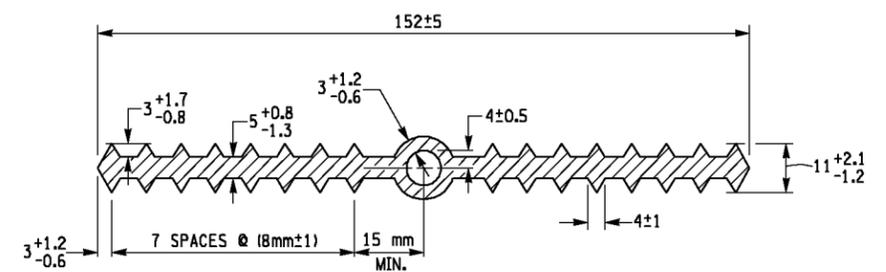


**SECTION I-I
 PARKING LOT RETAINING WALL**
 SCALE: 1:25

NOTE:
 ORNAMENTAL STEEL PICKET FENCE NOT SHOWN.



TYPE D WATERSTOP
 NOT TO SCALE



TYPE A WATERSTOP
 NOT TO SCALE

WATERSTOP NOTES:

- HOLES MUST NOT BE MADE IN TYPE D WATERSTOP FOR ANY PURPOSE EXCEPT AS REQUIRED FOR STAPLING TO FORMS.
- NO HOLES SHALL BE MADE IN TYPE A WATERSTOP FOR ANY PURPOSE.
- TYPE D WATERSTOP SHALL BE LIGHT GRAY IN COLOR.
- THE COST OF FURNISHING AND PLACING WATERSTOPS SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE CONCRETE ITEMS.
- FIELD SPLICES SHOULD BE AVOIDED IF POSSIBLE, HOWEVER, HEAT WELDED BUTT SPLICES WILL BE PERMITTED ON LONG STRAIGHT RUNS (GENERALLY IN EXCESS OF 15 METERS) AT POINTS APPROVED BY THE ENGINEER.
- WATERSTOP SHALL BE SHIPPED IN STRAIGHT SECTIONS HAVING A MINIMUM LENGTH OF 3 METERS UNLESS SHORTER LENGTHS ARE REQUIRED.

REFERENCE NOTE	DWG. NO.
RETAINING WALL FOOTING	RW-4 & RW-5
CONTRACTION JOINT DETAILS	RW-7
CAPSTONE DETAIL	RW-7

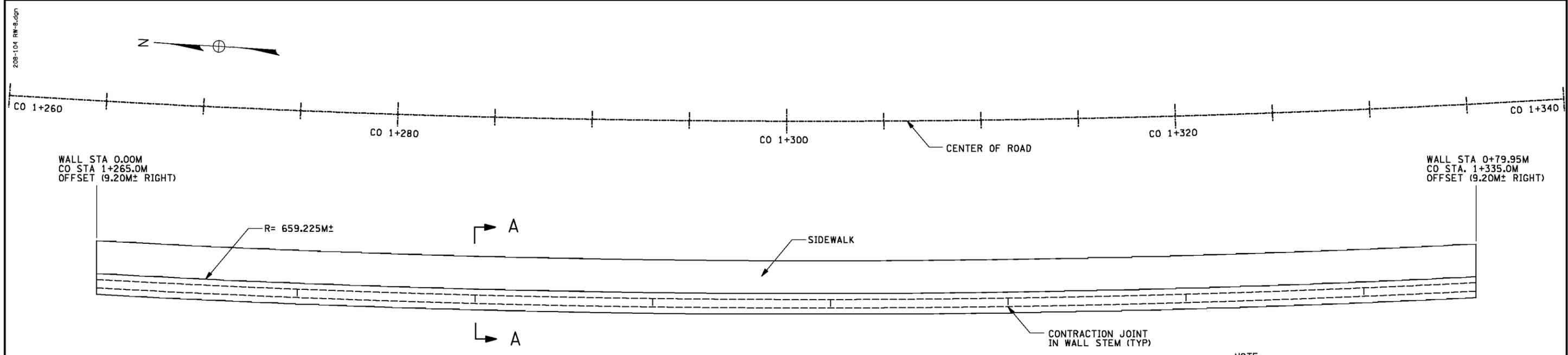


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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY		CHRISTIE STREET PARKING RETAINING WALL (DETAILS & SECTIONS)	DRAWING NO. RW-7A SHEET NO. 150
SIGNATURE	CITY OF TROY					
DATE	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: RW-7A.DGN					

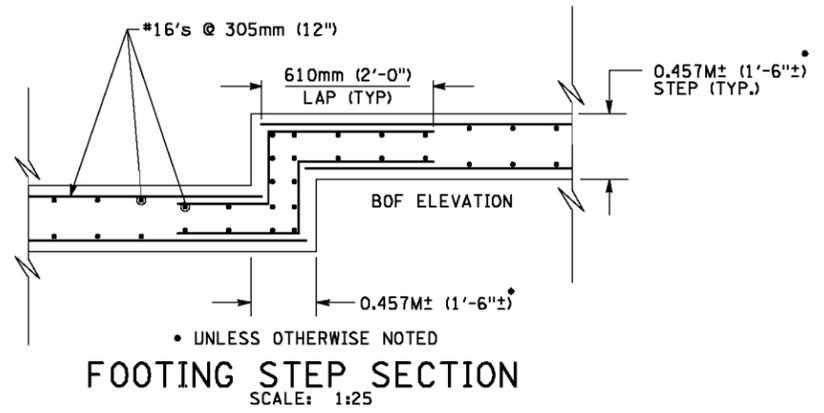
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 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI DESIGNED BY A. BELL CHECKED BY W. DRITZ ESTIMATED BY A. BELL DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES

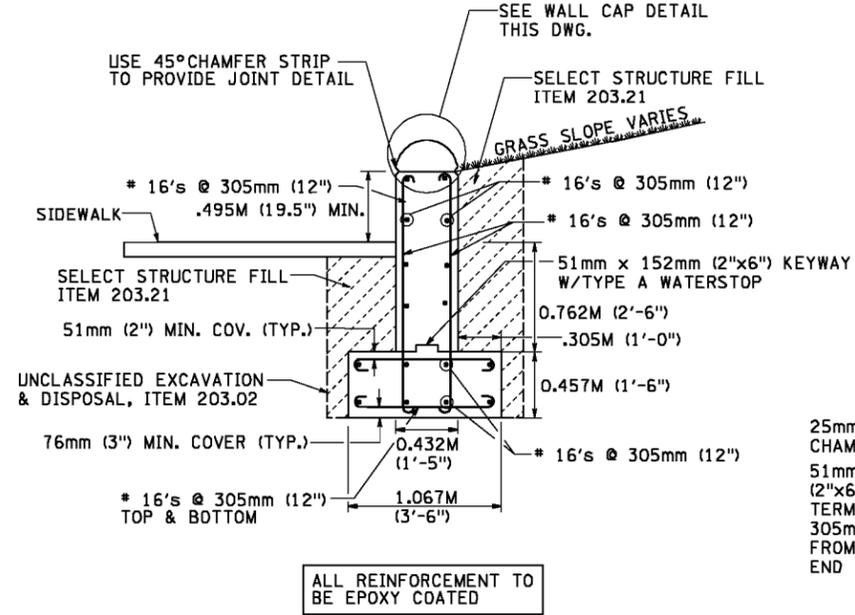


PLAN - PROSPECT PARK/HISTORIC RETAINING WALL
 SCALE: 1:100

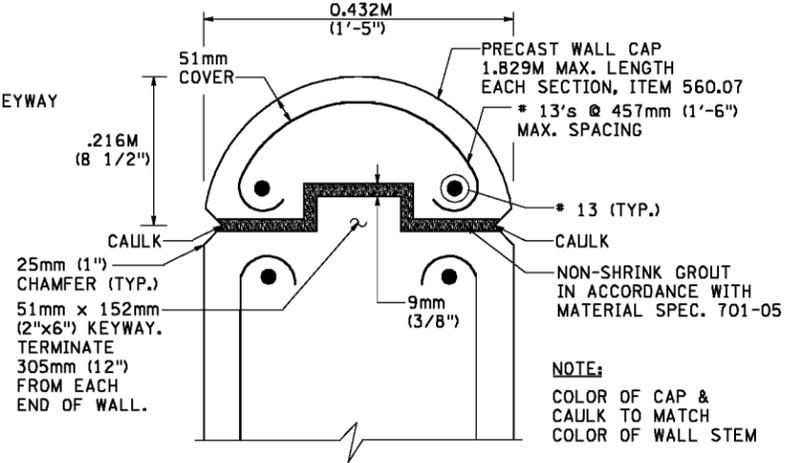
NOTE:
 REMOVE AND DISPOSE OF EXISTING RETAINING WALL, PAID FOR UNDER ITEM 202.19, REMOVAL OF SUBSTRUCTURES.



FOOTING STEP SECTION
 SCALE: 1:25



SECTION A-A
 PROSPECT PARK/HISTORIC RETAINING WALL
 SCALE: 1:25



WALL CAP DETAIL
 SCALE: 1:5

REFERENCE NOTE DWG. NO.

ELEVATION RW-9
 CONTRACTION JOINT DETAIL RW-7
 WATERSTOP DETAILS RW-6 & RW-7A

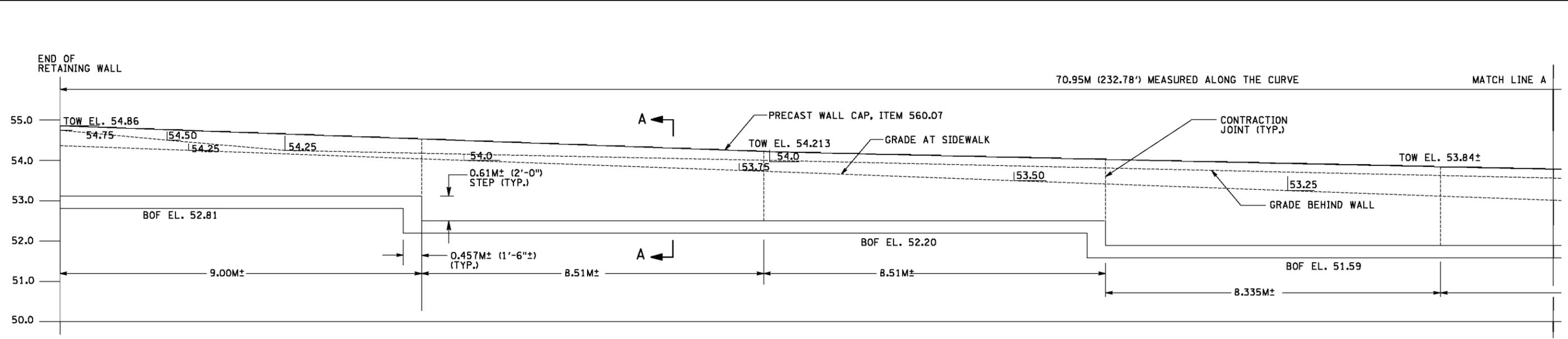


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AS BUILT REVISIONS DESCRIPTION OF WORK:	CONGRESS STREET FROM 11TH STREET TO PAWLING AVENUE	PIN 1753.39	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY				
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
	COUNTY: RENSSELAER					
	DOCUMENT NAME: RW-8.DGN					

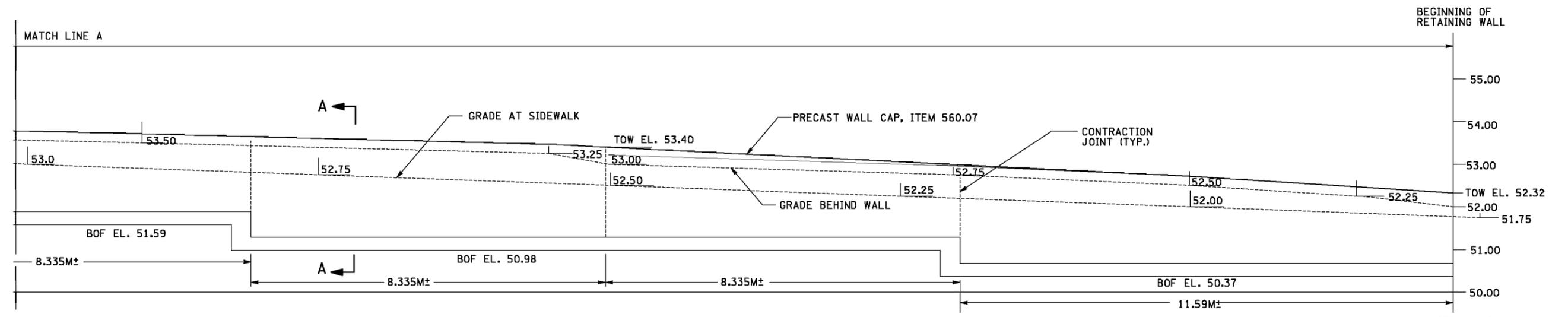
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 DATE/TIME = 1/7/2011
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DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI CHECKED BY A. BELL ESTIMATED BY A. BELL CHECKED BY W. DRITZ DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



WALL STA. 0+79.95M
 CD STA. 1+335.0M
 OFFSET: (9.20M± RIGHT)

NOTE: REVERSE WALL STATIONING
FRONT ELEVATION OF PROSPECT PARK/HISTORIC WALL
 SCALE: 1:50



WALL STA. 0+00M
 CD STA. 1+265.0M
 OFFSET: (9.20M± RIGHT)

NOTE: REVERSE WALL STATIONING
FRONT ELEVATION OF PROSPECT PARK/HISTORIC WALL
 SCALE: 1:50

REFERENCE NOTE DWG. NO.
 PLAN & SECTION A-A RW-8

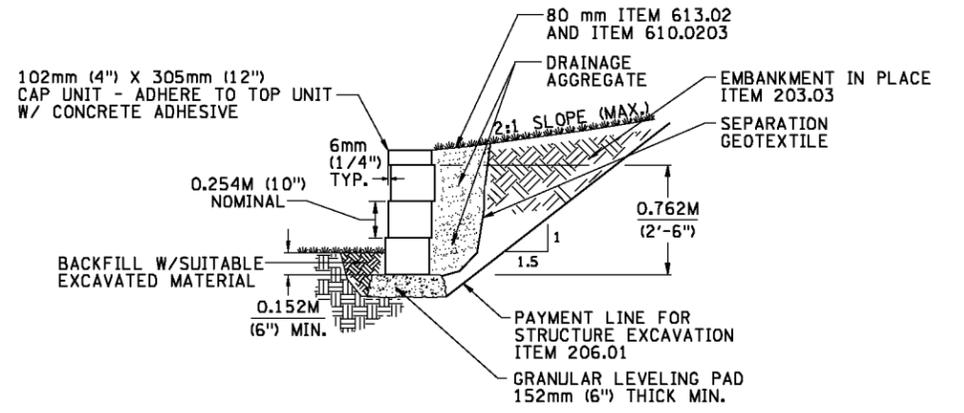


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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE	DATE	CITY OF TROY				
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
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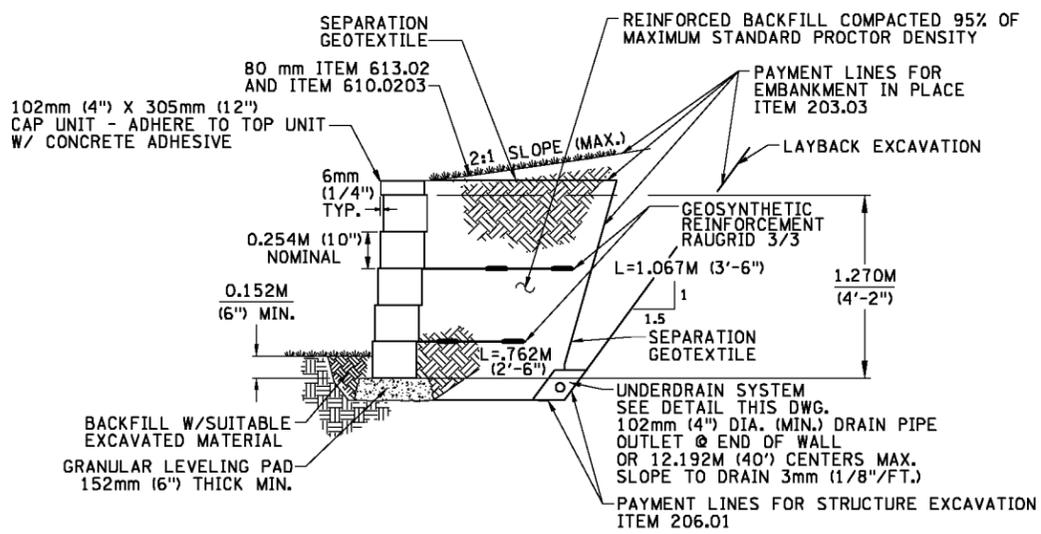
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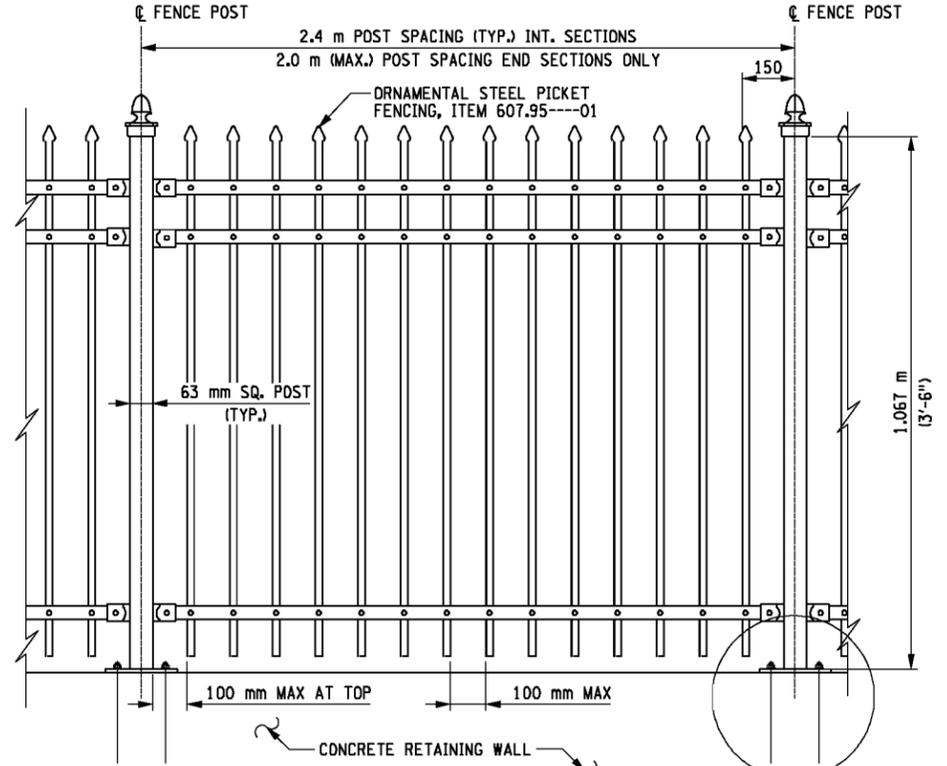


TYPICAL 0.6 m (EXPOSED) RETAINING WALL SECTION DETAIL "A"
 SCALE: 1:25

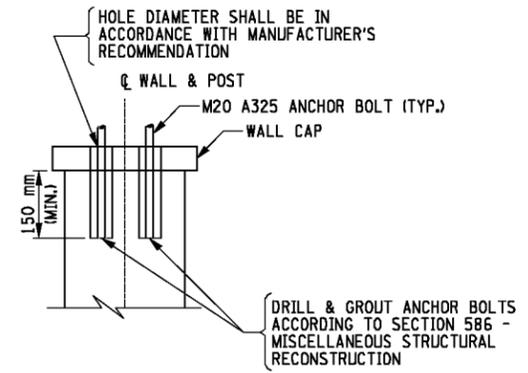
NOTES:
 1. UNITS TO BE VERSALOK MOSAIC IV MODULAR FACING UNITS OR APPROVED EQUAL.
 2. SEE SEGMENTAL BLOCK RETAINING WALL NOTES, DWG. RW-12.



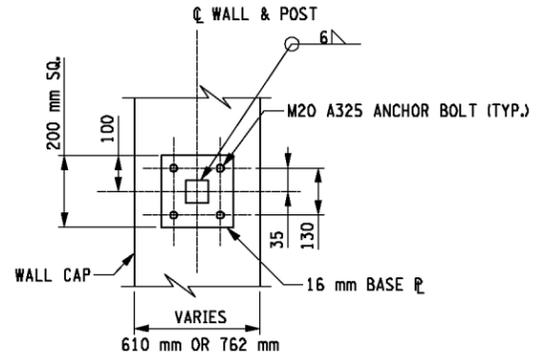
TYPICAL 1.12 m (EXPOSED) RETAINING WALL SECTION DETAIL "B"
 SCALE: 1:25



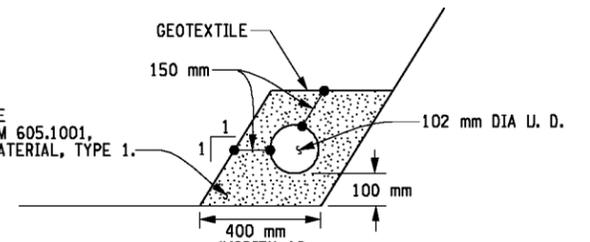
ORNAMENTAL STEEL PICKET FENCE
 NOT TO SCALE



ORNAMENTAL STEEL PICKET FENCE ANCHORAGE DETAIL "A"
 NOT TO SCALE



ORNAMENTAL STEEL PICKET FENCE CONNECTION BASE PLATE PLAN
 NOT TO SCALE



UNDERDRAIN DETAIL
 NOT TO SCALE

NOTES:
 1. THE PICKET FENCE POSTS SHALL BE PLACED SO THAT THE SPACING OF THE POSTS ARE UNIFORM AND DO NOT EXCEED THE SPACING SHOWN ON THIS DWG.
 2. THE BASE PLATES SHALL BE PERPENDICULAR TO THE POST PLATES UNLESS OTHERWISE NOTED.
 3. PICKET FENCE SHALL BE BLACK FINISH, GLOSSY.

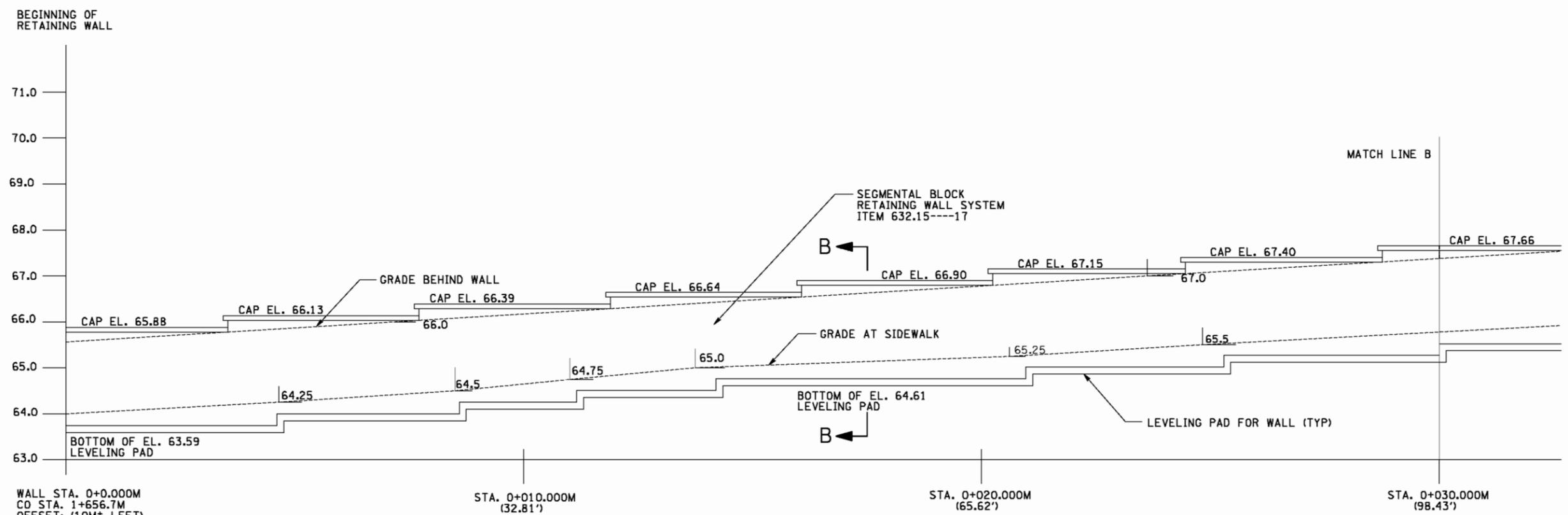
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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY	MISCELLANEOUS SECTIONS & DETAILS		DRAWING NO. RW-10 SHEET NO. 153	
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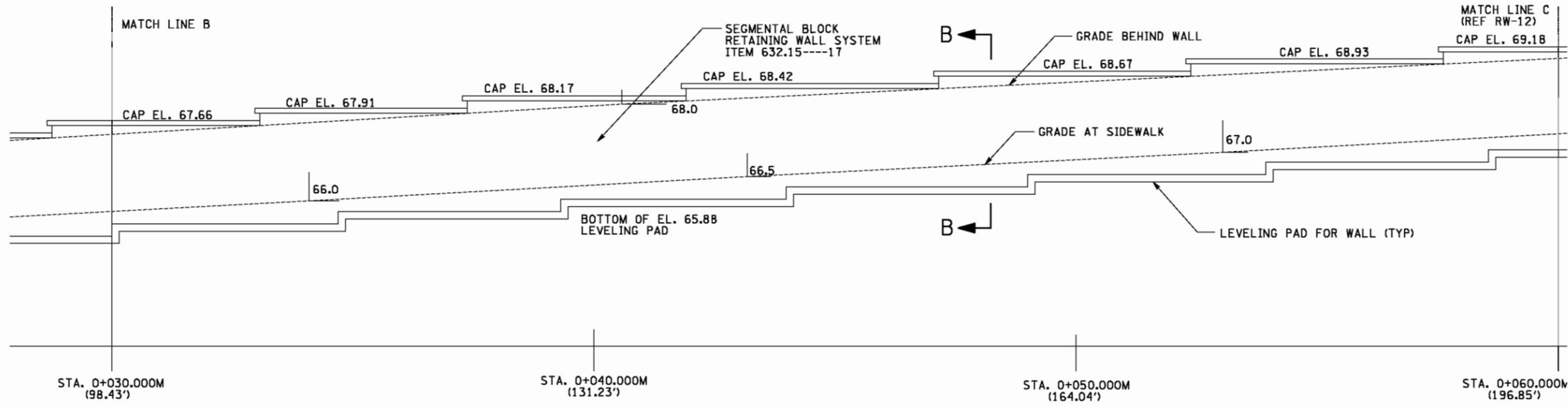
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208-104 RW-11.dgn



FRONT ELEVATION OF LOWER TOOL AND DIE WALL
 SCALE: 1:50



FRONT ELEVATION OF LOWER TOOL AND DIE WALL
 SCALE: 1:50

REFERENCE NOTE DWG. NO.
 SECTION B-B RW-12

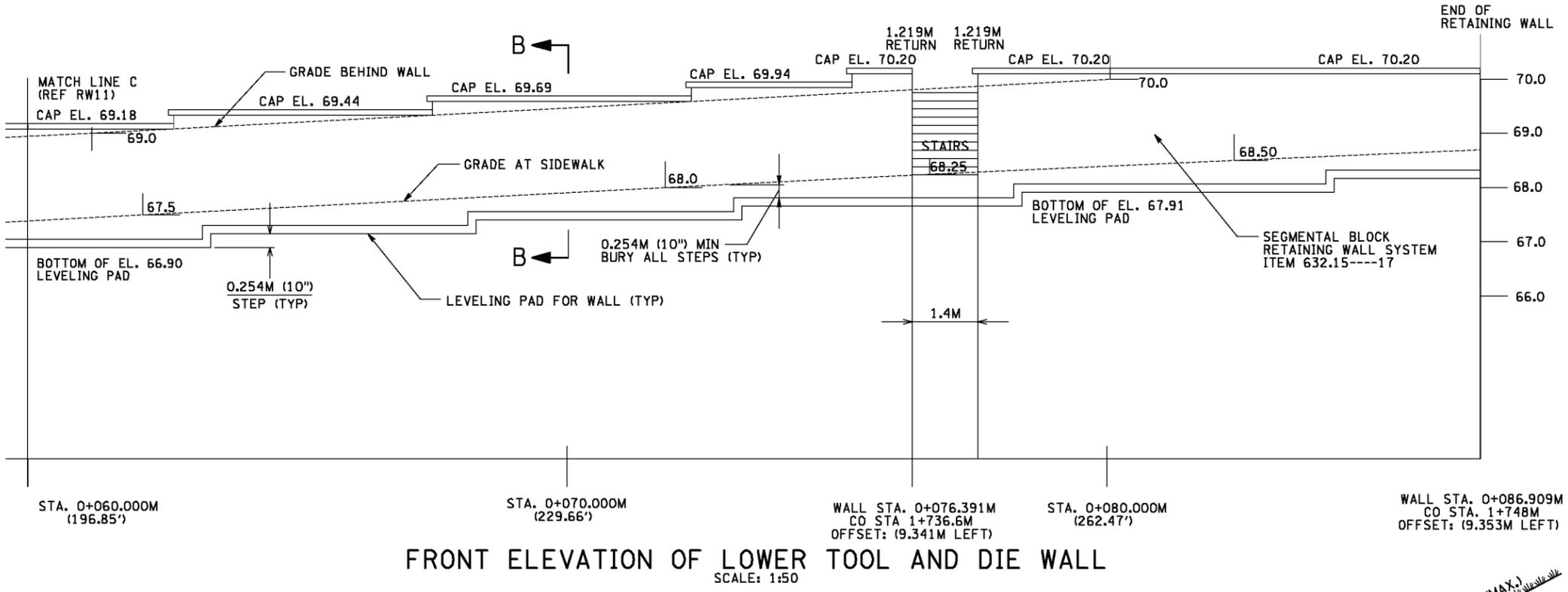


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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE	DATE	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
		DOCUMENT NAME: RW-11.DGN				

FILE NAME = J:\98048\Cadd\RW-12.dgn
 DATE/TIME = 1/7/2011
 USER = MJP

DESIGN SUPERVISOR R. J. LABERGE
 JOB MANAGER M. WIESZCZOWSKI
 DESIGNED BY A. BELL
 CHECKED BY W. DRITZ
 ESTIMATED BY A. BELL
 DRAFTED BY M. PSZENICZNY
 CHECKED BY D. RHODES
 208-104 RW-12.dgn

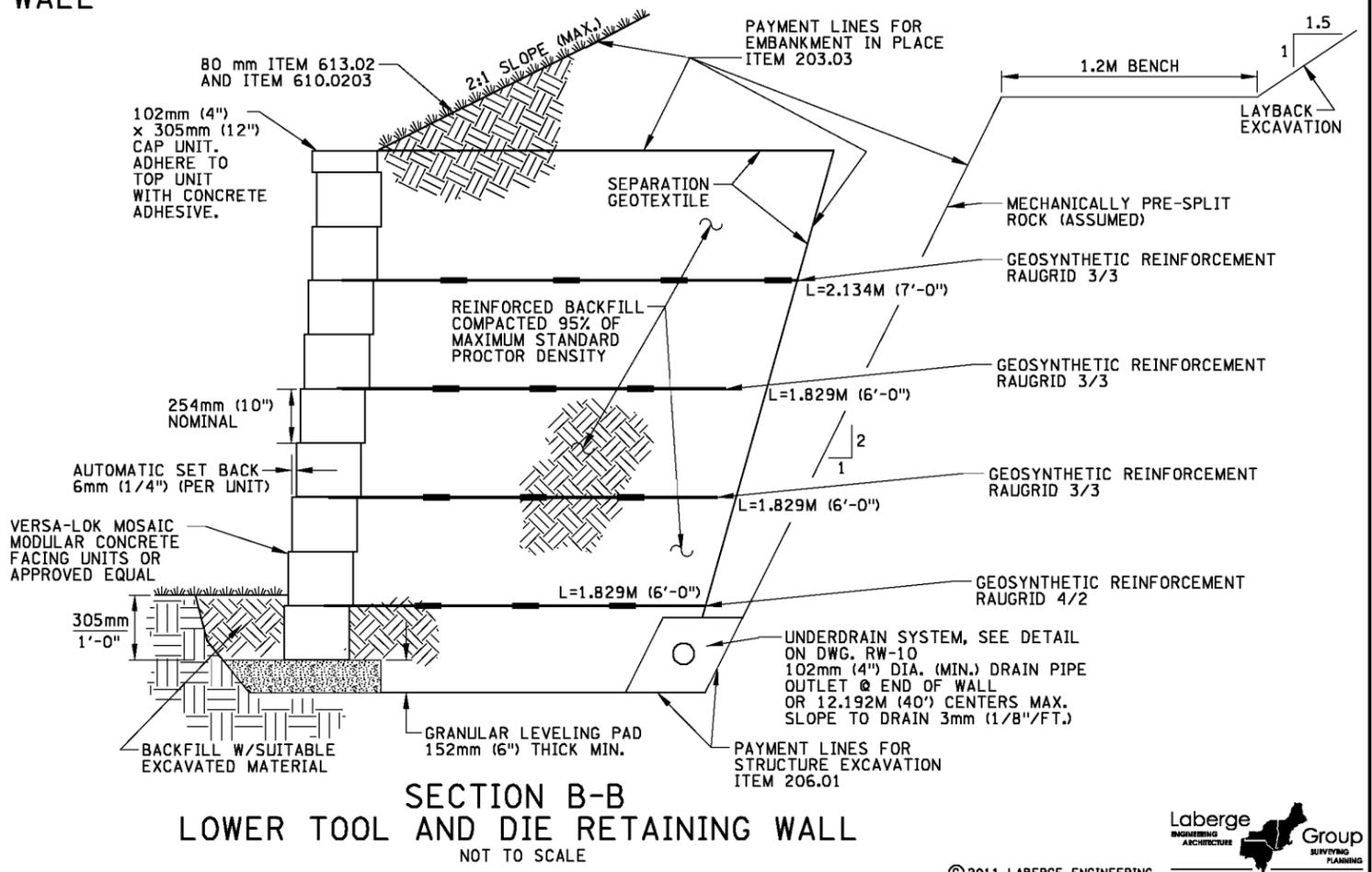


SEGMENTAL BLOCK RETAINING WALL NOTES:

- DESIGN AND MATERIAL REQUIREMENTS:
 - SEGMENTAL BLOCK FACING AND CAP UNITS SHALL BE IN ACCORDANCE WITH MATERIAL SPECIFICATION 704-07.
 - GEOTEXTILE SHALL BE IN ACCORDANCE WITH MATERIAL SPECIFICATION 737-01, STRENGTH CLASS 2.
 - GEORIGID SHALL BE IN ACCORDANCE WITH MATERIAL SPECIFICATION 737-07.
 - FOR RETAINING WALLS W/REINFORCED BACKFILL, DESIGNS SHALL BE STAMPED BY A PROFESSIONAL ENGINEER AND CONFORM TO THE REQUIREMENTS OF SECTION 5.8 OF THE AASHTO STANDARD SPECIFICATIONS.
- GRANULAR LEVELING PAD INSTALLATION:
 - GRADE AND LEVEL THE AREA ON WHICH THE LEVELING PAD AND WALL UNITS WILL REST. COMPACT THE AREA TO A MINIMUM OF 90% STANDARD PROCTOR MAXIMUM DENSITY. REMOVE ROCK TO THE EXCAVATION LIMITS INDICATED.
 - PLACE THE LEVELING PAD MATERIAL TO ENSURE COMPLETE CONTACT OF THE FIRST COURSE OF WALL UNITS.
 - STEP THE LEVELING PAD TO CONFORM TO GRADE CHANGES.
- THE USE OF SHIMS WILL NOT BE ALLOWED TO CORRECT FOR IMPROPER OR INCORRECT PLACEMENT OF LEVELING PAD AND/OR POOR CONSTRUCTION PRACTICES. SHIMS WILL BE ALLOWED TO CORRECT FOR MINOR FABRICATION IRREGULARITIES.
- GROUNDWATER:

SEEPAGE ZONES INTERCEPTING THE EXCAVATION SLOPE OR THE WALL FOUNDATION AREA SHALL BE POSITIVELY DRAINED BY PROVIDING ADDITIONAL UNDERDRAIN AND UNDERDRAIN FILTER MATERIAL AT THE SEEPAGE ZONE, AS DIRECTED BY THE ENGINEER.
- A MAXIMUM 0.6 m UNDERCUT MAY BE ORDERED BY THE ENGINEER WHERE NECESSARY TO PROVIDE STABLE BEDDING CONDITIONS. UNDERCUTTING SHALL BE PAID FOR UNDER SECTION 206. IF UNDERCUTTING IS ORDERED, THE LIFT THICKNESS AND COMPACTION REQUIREMENTS FOR SELECT STRUCTURAL FILL SHALL BE AS DIRECTED BY THE ENGINEER.
- PLACEMENT AND COMPACTION OF BACKFILL BEHIND THE WALL SHALL BE IN ACCORDANCE WITH SECTION 203. COMPACTED THICKNESS OF BACKFILL SHALL BE LIMITED TO 250 mm OR ONE BLOCK HEIGHT, WHICHEVER IS LESS.
- WALL CONSTRUCTION AT ALL STAGES SHALL BE TRUE TO LINE AND GRADE. ANY DEVIATION FROM LINE AND GRADE WHICH IS EITHER DANGEROUS TO THE STABILITY OR DETRACTS FROM THE APPEARANCE OF THE WALL SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- TOLERANCES SHALL BE AS FOLLOWS:

VERTICAL CONTROL - ±7 mm OVER A DISTANCE OF 3 m
 HORIZONTAL CONTROL - ±13 mm OVER A DISTANCE OF 3 m
 ROTATION FROM ESTABLISHED PLAN WALL BATTER - ±13 mm OVER A DISTANCE OF 3 m
- PLACEMENT OF THE REINFORCING ELEMENTS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 - REINFORCING ELEMENTS SHALL BE CONTINUOUS THROUGHOUT THEIR EMBEDMENT LENGTHS.
 - REINFORCING ELEMENTS SHALL BE PLACED PERPENDICULAR TO THE FACING UNITS, UNLESS OTHERWISE NOTED ON THE APPROVED SHOP DRAWINGS.
 - FLEXIBLE REINFORCEMENTS SHALL BE PRETENSIONED TO REMOVE ANY SLACK. MAINTAIN THE TENSIONING BY STAKING OR ANCHORING WITH BACKFILL MATERIAL.
 - OVERLAPPING LAYERS OF REINFORCING ELEMENTS SHALL BE SEPARATED BY A MINIMUM 75 mm THICKNESS OF BACKFILL MATERIAL.
- PLACEMENT OF THE BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 - BACKFILL MATERIAL SHALL BE DUMPED ONTO OR PLACED PARALLEL TO THE REAR AND MIDDLE OF THE REINFORCING ELEMENT AND BLADED PERPENDICULAR TO THE REINFORCING ELEMENTS.
 - AT NO TIME SHALL ANY CONSTRUCTION EQUIPMENT BE IN DIRECT CONTACT WITH THE REINFORCING ELEMENTS.
 - BACKFILL LAYERS WITHIN 1.0 m OF THE FACE UNIT SHALL BE GRADED AND COMPACTED TO 50 mm ABOVE THE REQUIRED REINFORCING ELEMENT ELEVATION.
 - BACKFILL LAYERS BEYOND 1.0 m OF THE FACE UNIT SHALL BE GRADED AND COMPACTED TO THE REQUIRED REINFORCING ELEMENT ELEVATION.
 - AT THE COMPLETION OF EACH DAY'S WORK, THE CONTRACTOR SHALL GRADE THE BACKFILL MATERIAL AWAY FROM THE FACE AND LIGHTLY COMPACT THE SURFACE.



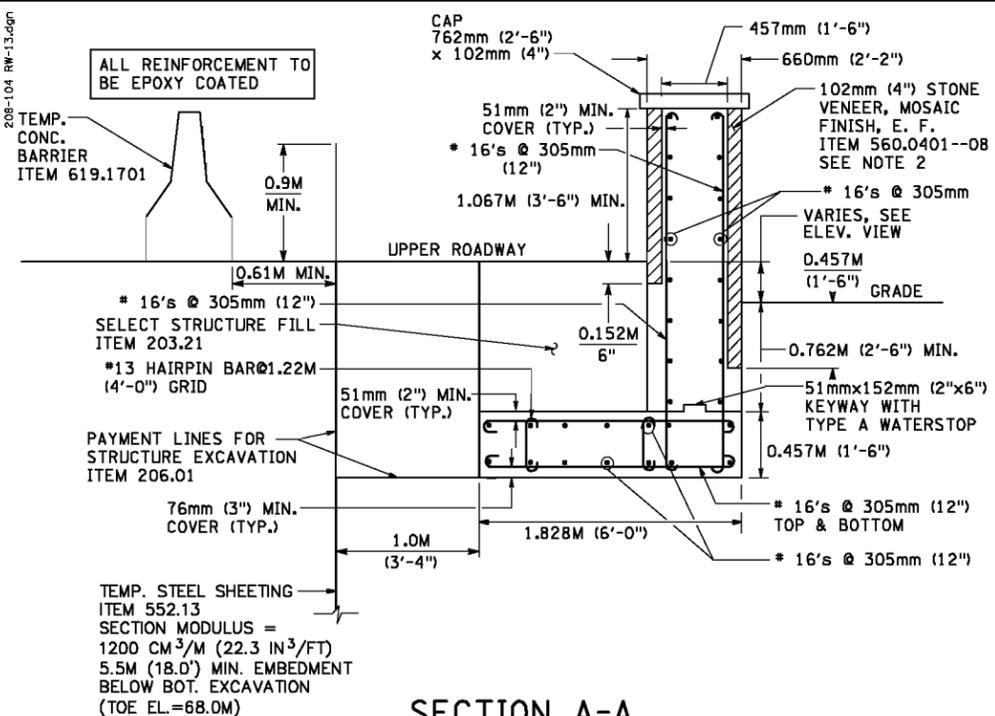
REFERENCE NOTE	DWG. NO.
ELEVATION	RW-11

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	S.H. C65026	PS&E DATE: 1/10/11				
SIGNATURE	DATE	CITY OF TROY			LOWER TOOL & DIE RETAINING WALL (ELEVATION & SECTION)	
		N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66				
		COUNTY: RENSSELAER				
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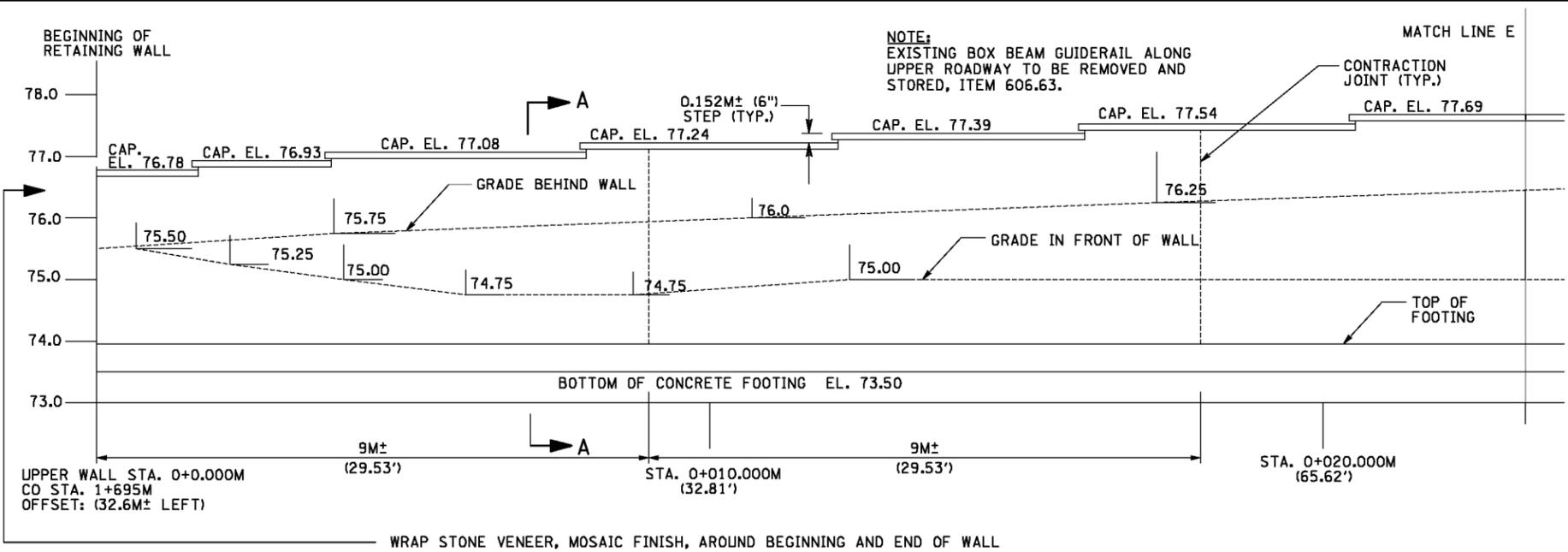
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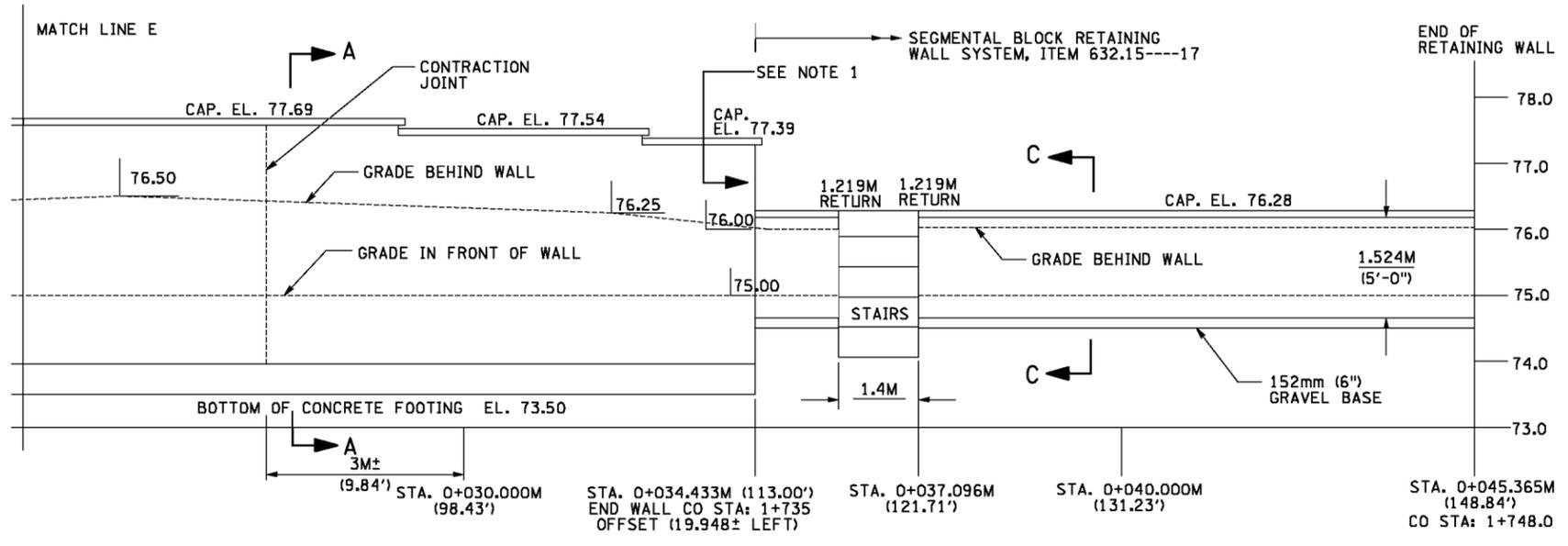
DESIGN SUPERVISOR R. J. LABERGE JOB MANAGER M. WIESZCHOWSKI CHECKED BY A. BELL ESTIMATED BY A. BELL CHECKED BY W. DRITZ DRAFTED BY M. PSZENICZNY CHECKED BY D. RHODES



**SECTION A-A
 UPPER TOOL & DIE RETAINING WALL**
 SCALE: 1:25

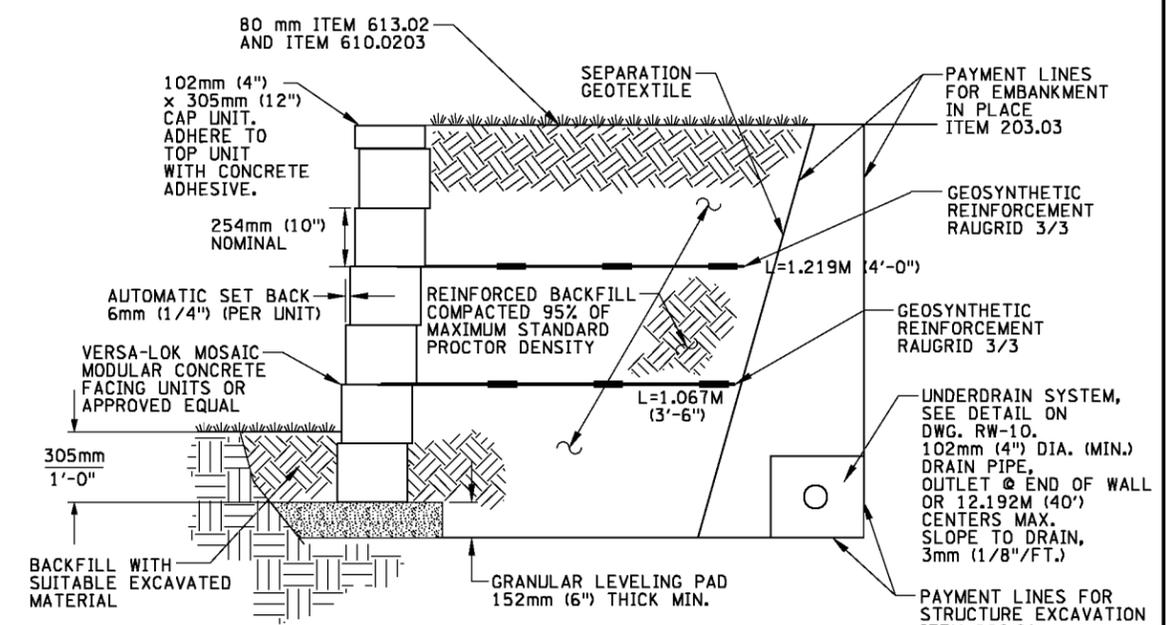


FRONT ELEVATION OF UPPER WALL-TOOL AND DIE
 SCALE: 1:50
 NOTE: CONCRETE STEP SILL FOR MASONRY VENEER NOT SHOWN.



FRONT ELEVATION OF UPPER WALL-TOOL AND DIE
 SCALE: 1:50

NOTE:
 1. PLACE STONE VENEER, MOSAIC FINISH, ON RETURNS.
 2. DOVETAIL MASONRY ANCHORS (TYP) SPACING .812M (32") MAX HORIZONTAL AND .457M (18") VERT MAX SEE DETAIL SHT RW-15



**SECTION C-C
 UPPER TOOL AND DIE RETAINING WALL**
 NOT TO SCALE

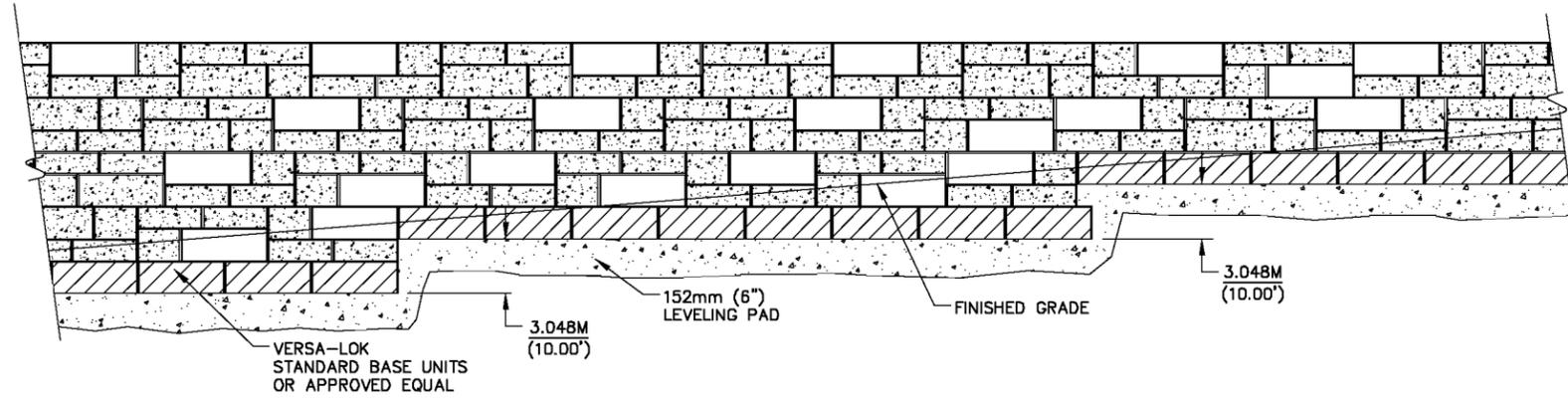
NOTE:
 SEE SEGMENTAL BLOCK RETAINING WALL NOTES, DWG. RW-12.

REFERENCE NOTE	DWG. NO.
MASONRY ANCHOR DETAIL	RW-6
CONTRACTION JOINT DETAIL	RW-7
WATERSTOP DETAILS	RW-6 & RW-7A
WALL DETAILS	RW-14

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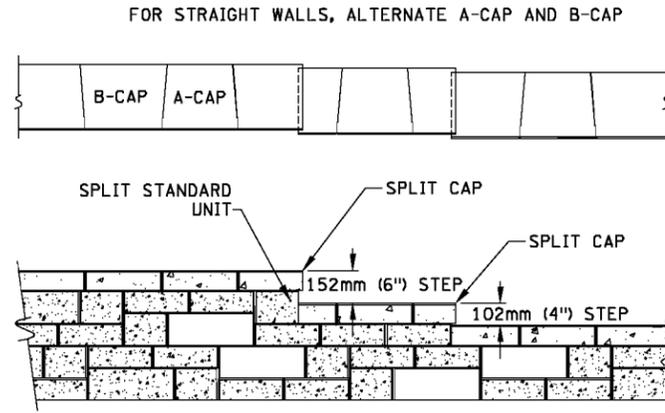
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SIGNATURE	DATE	PS&E DATE: 1/10/11	THE CITY OF TROY		UPPER TOOL & DIE RETAINING WALL (ELEVATION & SECTION)	DRAWING NO. RW-13 SHEET NO. 156



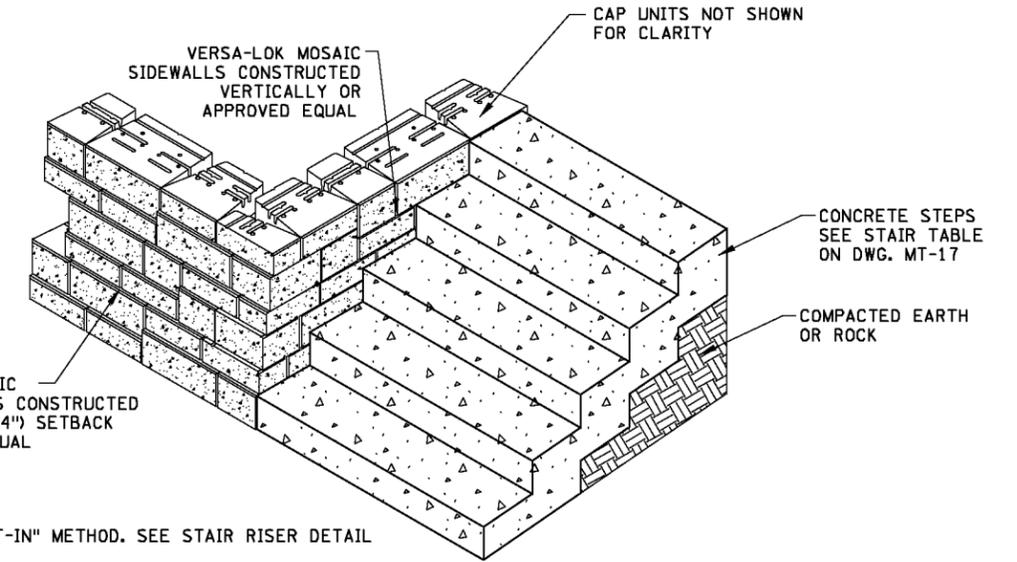
BASE STEPPING DETAIL
 SCALE: NONE

- NOTE:
1. LIMIT CHANGES IN BASE ELEVATION TO 254mm (10") PER STEP TO AVOID DIFFERENTIAL SETTLEMENT
 2. STEP ONLY OFTEN ENOUGH TO AVOID BURYING EXTRA UNITS WHILE MAINTAINING REQUIRED EMBEDMENT
 3. ALWAYS START WALL CONSTRUCTION AT ITS LOWEST LEVEL AND WORK UPWARD
 4. FOR EASE OF INSTALLATION, USE VERSA-LOK STANDARD UNITS FOR THE BASE COURSE

- STAIR NOTES:
1. SINCE THE SIDEWALLS ARE BUILT USING 10" HIGH PANELS AND THE STAIR RISERS ARE BUILT USING 6" HIGH STANDARD UNITS A DIFFERENCE IN HEIGHT BETWEEN THE SIDE WALLS AND TOP STEP MAY OCCUR
 2. THE STAIR RISER LEVELING PAD MAY NEED TO BE AT A DIFFERENT ELEVATION THAN THE RETAINING WALL AND SIDE WALL LEVELING PAD TO ACHIEVE THE SAME FINISHED HEIGHT
 3. CONSTRUCT STAIR RISERS FIRST, INSTALL CAPS FOR TREADS SECOND, AND THEN INSTALL SIDEWALLS LAST
 4. DO NOT PIN STAIR UNITS
 5. CONSTRUCT BASE PEDESTAL IN 4 TO 5 RISER INCREMENTS
 6. STACK SIDEWALLS VERTICALLY, WITHOUT PINNING

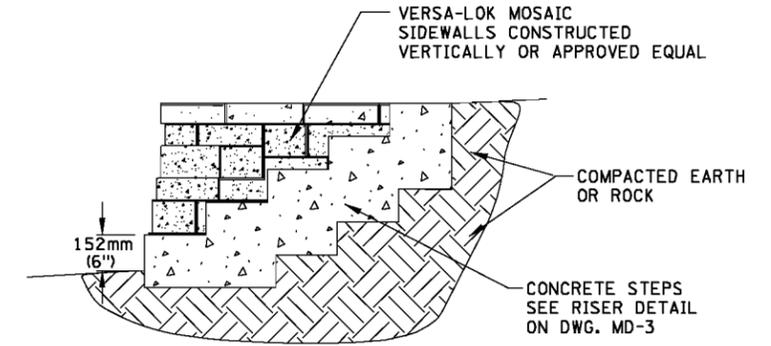


CAPPING DETAIL-PROFILE
 STEP AT TOP OF WALL
 SCALE: NONE



STAIR DETAIL
 SCALE: NONE

NOTE: USE "CUT-IN" METHOD. SEE STAIR RISER DETAIL



STAIR RISER DETAIL
 "CUT IN" METHOD
 SCALE: NONE

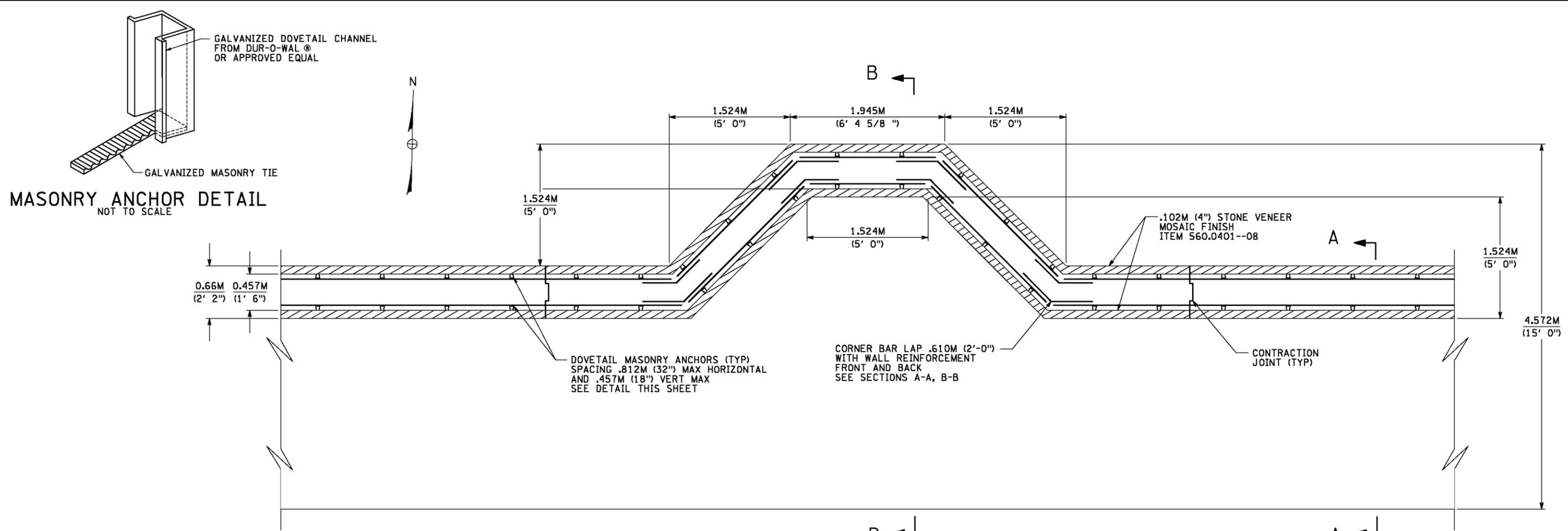
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LOWER ELEVATION	RW-11 & RW-12
UPPER ELEVATION	RW-13

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	S.H. C65026	PS&E DATE: 1/10/11				
	CITY OF TROY					
	N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66					
COUNTY: RENSSELAER	UPPER AND LOWER TOOL & DIE RETAINING WALLS (WALL DETAILS)	DRAWING NO. RW-14 SHEET NO. 157				
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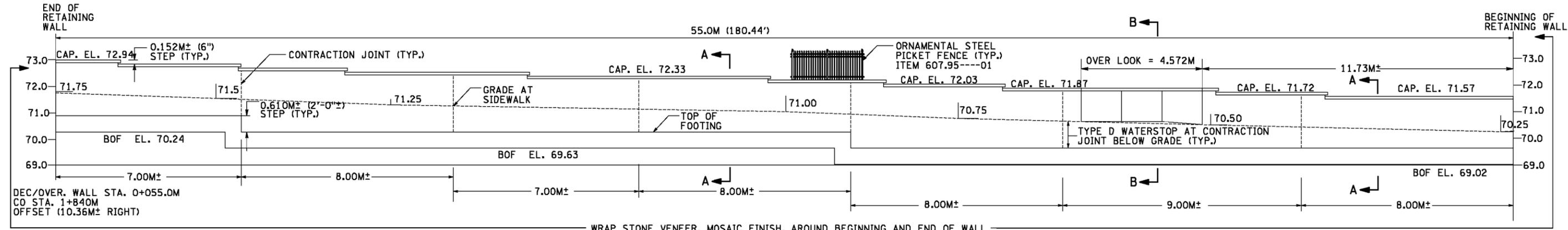
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208-104 RW-15.dgn



PLAN - DECORATIVE/OVERLOOK RETAINING WALL
 SCALE: 1:25



FRONT ELEVATION OF DECORATIVE/OVERLOOK WALL
 SCALE: 1:75

NOTE:
 CONCRETE STEP SILL FOR
 MASONRY VENEER NOT SHOWN

REFERENCE NOTE DWG. NO.

- CONTRACTION JOINT DETAIL RW-7
- ORNAMENTAL STEEL PICKET FENCE RW-10
- SECTIONS A-A & B-B RW-16
- REINFORCING PLAN RW-16

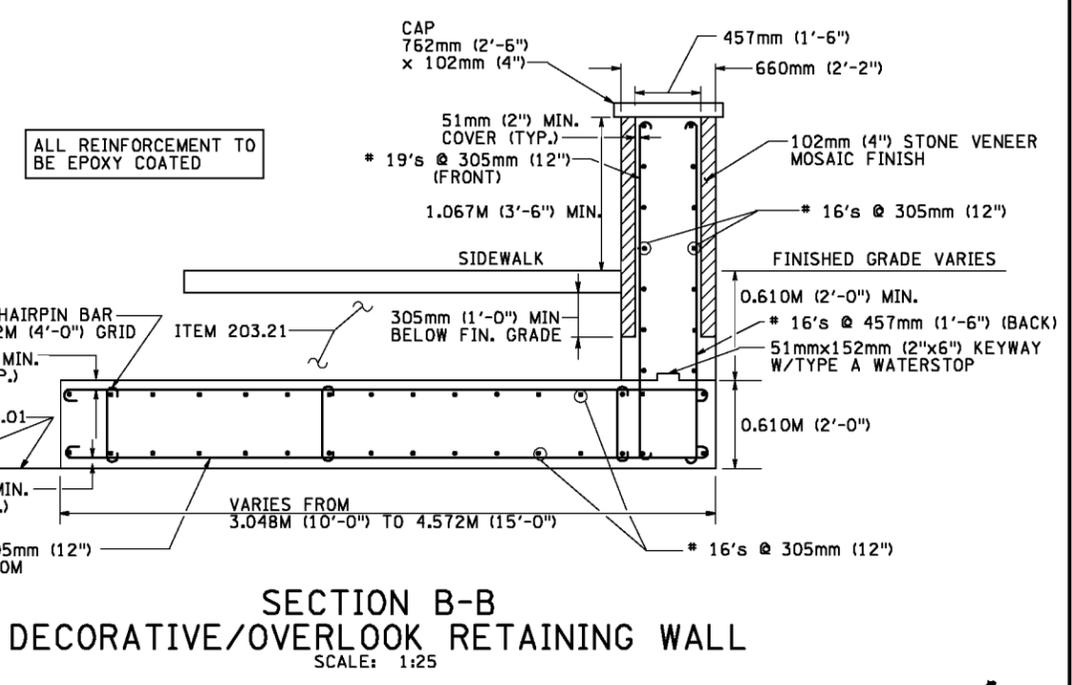
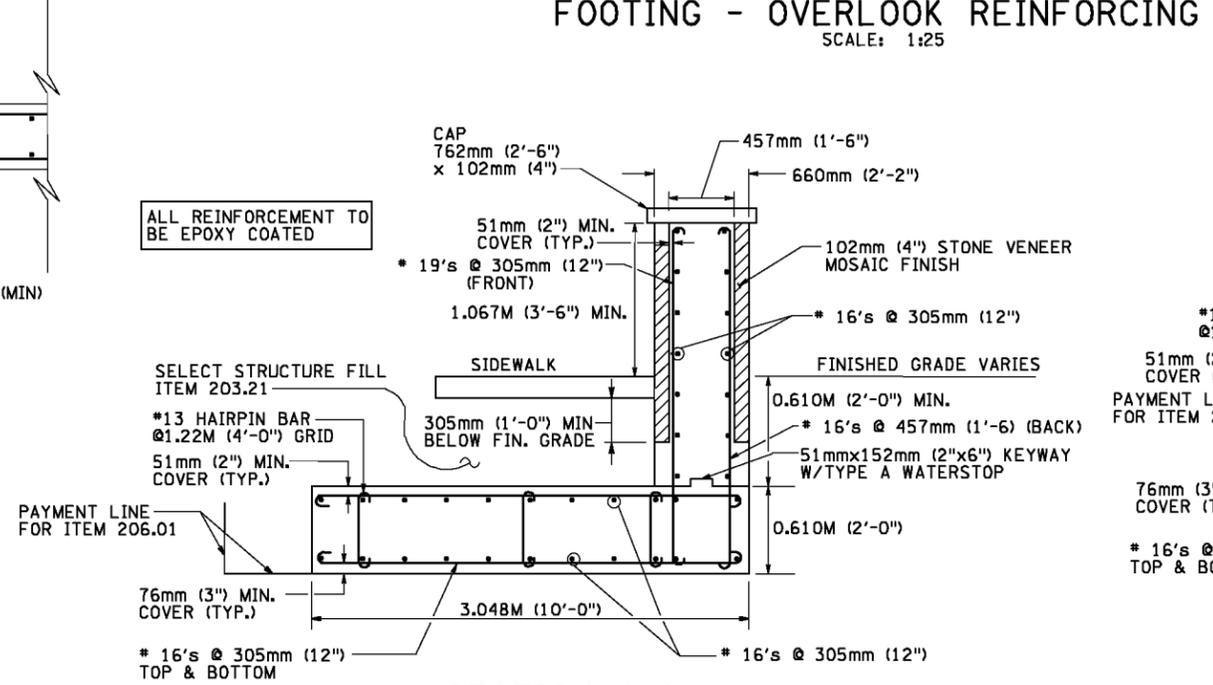
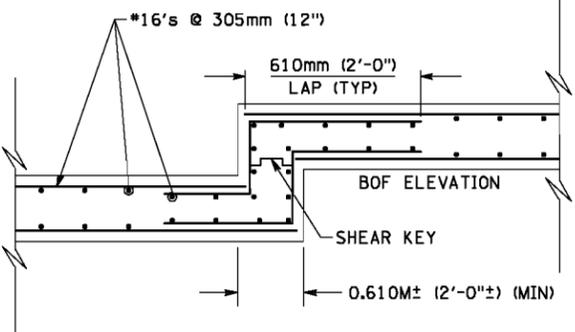
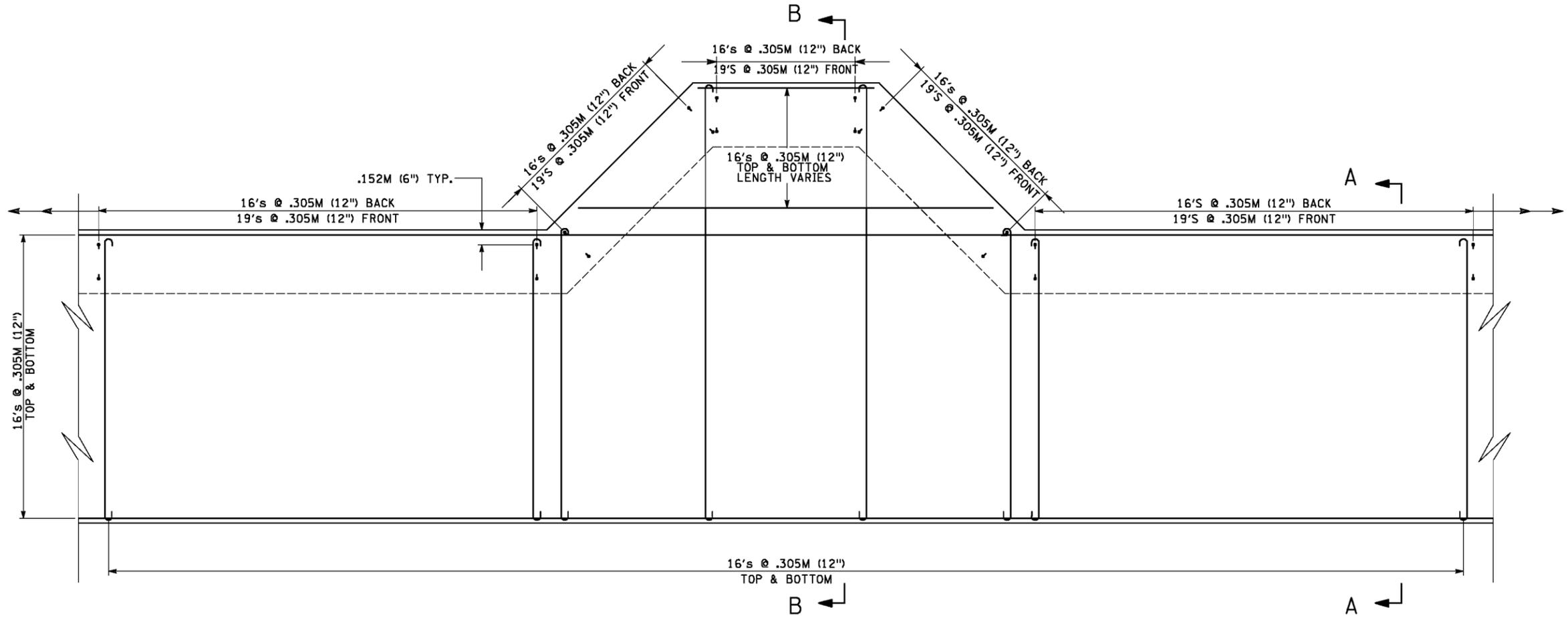


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NOTE:
 ORNAMENTAL STEEL PICKET
 FENCE NOT SHOWN.

REFERENCE NOTE
 WATERSTOP DETAILS
 PLAN & ELEVATION

DWG. NO.
 RW-6 & RW-7A
 RW-15

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	S.H. C65026	PS&E DATE: 1/10/11	THE CITY OF TROY			
SIGNATURE _____	DATE _____	CITY OF TROY N.Y.S. ROUTE 2 AND N.Y.S. ROUTE 66	OVERLOOK RETAINING WALL (FOOTING & SECTION)		DRAWING NO. RW-16 SHEET NO. 159	
		COUNTY: RENSSELAER				
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