

Department of Transportation

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, WHICH ARE CURRENT AS OF THE STANDARD SPECIFICATIONS ADOPTION DATE SHOWN ON THE PROPOSAL COVER, 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 SHEET(S) 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 (US CUSTOMARY/METRIC) REFERENCED IN THE CONTRACT PROJECT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR BY CHANGES SET FORTH IN THE CONTRACT PROJECT "PROPOSAL".

RESURFACING, RESTORATION AND REHABILITATION
 TELLER AVENUE AND FISHKILL AVENUE
 (WOLCOTT AVENUE/NYS ROUTE 9D TO BEACON CITY LINE)

FEDERAL AID PROJECT

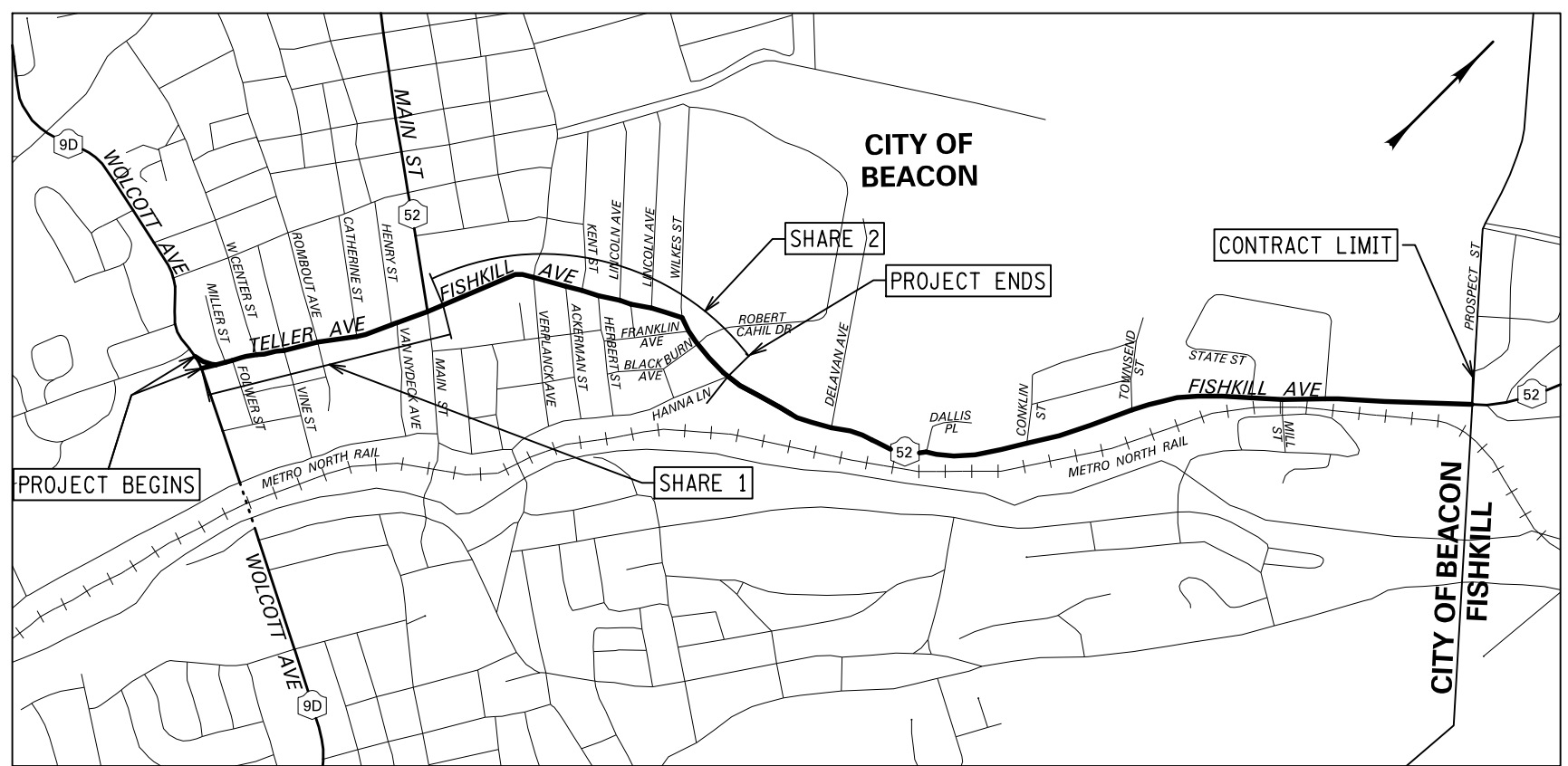
FINAL PLANS

CONTRACT: D017347 AND D017290

COUNTY: DUTCHESS COUNTY

RECOMMENDED BY:

CONTRACTOR'S NAME _____	
AWARD DATE _____	
COMPLETION DATE _____	
FINAL ACCEPTANCE DATE _____	
REGIONAL DIRECTOR _____	
ENGINEER IN CHARGE _____	
FINAL COST TOTAL _____	
FISCAL SHARE	COST(S)



Christopher White 11/20/2023
 CHRISTOPHER WHITE DATE
 CITY OF BEACON, CITY ADMINISTRATOR

PREPARED BY:

Nicole C. Shute 11/20/2023
 NICOLE C. SHUTE, P.E.
 N.Y.S.P.E. LIC. NO. 079079

30 MPH POSTED
 PROJECT LOCATION
 MAP NOT TO SCALE

TELLER AVENUE AND FISHKILL AVENUE
 CITY OF BEACON, DUTCHESS COUNTY



FILE NAME = DGN&SPEC01234567890123456789012345678901234
 DATE/TIME = DGN&SYTIME0123456
 USER = DGN&USERNAME

			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO:
PE DB	DE SM	PM DW	SCALE: AS SHOWN	SHEET 1 OF 64	

ALIGNMENT	
ABBR.	DESCRIPTION
AH	AHEAD
AZ	AZIMUTH
BK	BACK
BL	BASELINE
BRG	BEARING
CL	CENTERLINE
CS	CURVE TO SPIRAL
e	SUPERELEVATION RATE (CROSS SLOPE)
EQ	EQUALITY
EXT	EXTERNAL
HCL	HORIZONTAL CONTROL LINE
HSD	HEADLIGHT SIGHT DISTANCE
L	LENGTH OF CIRCULAR CURVE
LS	LENGTH OF SPIRAL
LVC	LENGTH OF VERTICAL CURVE
E	CENTER CORRECTION OF VERTICAL CURVE
M	MAIN LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
POL	POINT ON LINE
PSD	PASSING SIGHT DISTANCE
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
SC	SPIRAL TO CURVE
SSD	STOPPING SIGHT DISTANCE
ST	SPIRAL TO TANGENT
STA	STATION
T	TANGENT LENGTH
TGL	THEORETICAL GRADE LINE
TS	TANGENT TO SPIRAL
VC	VERTICAL CURVE
TOPOGRAPHY (DRAINAGE)	
ABBR.	DESCRIPTION
BB	BOTTOM OF BANK (STREAM)
BC	BOTTOM OF CURB
BO	BOTTOM OF OPENING
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CIP	CAST IRON PIPE
CL 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
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
TB	TOP OF BANK (STREAM)
TC	TOP OF CURB
TG	TOP OF GRATE
VCP	VITRIFIED CLAY PIPE


TOPOGRAPHY (MISCELLANEOUS)	
ABBR.	DESCRIPTION
ABUT	ABUTMENT
AOBE	AS ORDERED BY ENGINEER
ASPH	ASPHALT
BDY	BOUNDARY
BLDG	BUILDING
BM	BENCH MARK
CC	CENTER TO CENTER
CONC	CONCRETE
CONST	CONSTRUCTION
CR	COUNTY ROAD
D	DEED DISTANCE
DM	DIRECT MEASUREMENT
DWY	DRIVEWAY
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
FEE	FEE ACQUISITION
FEE WO/A	FEE ACQUISITION WITHOUT ACCESS
FP	FENCE POST
FD	FOUNDATION
FL	FENCE LINE
GAR	GARAGE
GR	GRAVEL
HO	HOUSE
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	
ABBR.	DESCRIPTION
REPLACE ABBREVIATION "AB" WITH:	
AH	HAND AUGER
CP	CONE 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 CATEGORIES: 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: ESTIMATE 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: 102
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER
1	TITLE SHEET	COV-01
2	INDEX AND ABBREVIATIONS	IAB-01
3-4	LEGEND, LINE, AND POINT SYMBOLOGY	LEG-01 TO LEG-02
5-6	ESTIMATE OF QUANTITIES	EOQ-01 TO EOQ-02
7-9	GENERAL NOTES	GNN-01 TO GNN-03
10-11	TYPICAL SECTIONS	TYP-01 TO TYP-02
12	TABLE OF RIGHT OF WAY ACQUISITIONS	RWT-01
13-14	MISCELLANEOUS TABLES	MST-01 TO MST-02
15	ALIGNMENT TABLES	ALT-01
16	BASELINE TIES	BLT-01
17-24	GENERAL PLANS	GNP-01 TO GNP-08
25-30	PROFILES	PRO-01 TO PRO-05
31-38	DRAINAGE AND UTILITY PLANS	DUP-01 TO DUP-08
39-40	DRAINAGE TABLES	DT-01 TO DT-02
41-44	DRAINAGE DETAILS	DD-01 TO DD-04
45	UTILITY POLE RELOCATION TABLE	UT-01
46-47	UNDERGROUND UTILITY CONFLICTS TABLE	UC-01 TO UC-02
48-49	EROSION AND SEDIMENT CONTROL DETAILS	ESD-01 TO ESD-02
50-51	TRAFFIC SIGNAL PLANS	TSP-01 TO TSP-02
52-59	SIGNING AND STRIPING PLANS	SSP-01 TO SSP-07
60-61	SIGN DATA SHEETS	SDS-01 TO SDS-02
62	LANDSCAPING PLANS	LAP-01
63-64	EARTHWORK SUMMARY SHEETS	ES-01 TO ES-02
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		CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: IAB-01
PE DB	DE SM	PM DW	SCALE: AS SHOWN	SHEET 2 OF 64



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

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.



FILE NAME = DGN#SPEC#0123456789#0123456789#0123456789#01234
 DATE/TIME = DGN#SYTIME#0123456
 USER = DGN#USER#NAME

			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30		NO: LEG-01	
PE DB	DE SM	PM DW	LEGEND - LINE		SCALE: AS SHOWN
					SHEET 3 OF 64

TABLE OF QUANTITIES - SHARE 1

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
201.06	CLEARING AND GRUBBING	LS	0.5	
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	1147	
203.03	EMBANKMENT IN PLACE	CY	234	
203.07	SELECT GRANULAR FILL	CY	645	
203.21	SELECT STRUCTURAL FILL	CY	22	
204.01	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	CY	343	
206.0201	TRENCH AND CULVERT EXCAVATION	CY	2014	
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	LF	9.8	
206.05	TEST PIT EXCAVATION	EA	33	
207.22	GEOTEXTILE DRAINAGE	SY	24	
209.11020024	TEMPORARY CATCH BASIN INSERT - OIL, HYDROCARBONS, TRASH, SEDIMENT AND DEBRIS REMOVAL	EA	27	
209.13	SILT FENCE - TEMPORARY	LF	1033	
209.22	CONSTRUCTION ENTRANCE	SY	24	
304.11000008	SUBBASE COURSE (MODIFIED)	CY	719	
404.000011	PLANT PRODUCTION QUALITY ADJUSTMENT TO ASPHALT ITEMS	QU	110	
404.017901	TRUE AND LEVELING F9, ASPHALT, 70 SERIES COMPACTION	TON	325	
404.127101	12.5 F1 TOP COURSE ASPHALT, 70 SERIES COMPACTION	TON	855	
404.197901	19 F9 BINDER COURSE ASPHALT, 70 SERIES COMPACTION	TON	843	
404.377901	37.5 F9 BASE COURSE ASPHALT, 70 SERIES COMPACTION	TON	404	
404.438901	19 F9 TEMPORARY BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON	152	
407.0102	DILUTED TACK COAT	GAL	853	
490.10	PRODUCTION COLD MILLING BITUMINOUS CONCRETE	SY	7359	
552.17	SHIELDS AND SHORINGS	SF	24111	
554.40	FILL TYPE RETAINING WALL	SF	355	
603.6001	REINFORCED CONCRETE PIPE CLASS III 12 INCH DIAMETER	LF	276	
603.6002	REINFORCED CONCRETE PIPE CLASS III 15 INCH DIAMETER	LF	1243	
603.77	CONCRETE COLLARS	EA	2	
603.97000002	SAWCUTTING CULVERT PIPE	EA	2	
604.070101	ALTER DRAINAGE STRUCTURES	EA	12	
604.301873	RECTANGULAR DRAINAGE STRUCTURE TYPE R FOR CAST IRON F3 FRAME	LF	112	
604.30212209	RECTANGULAR DRAINAGE STRUCTURE TYPE U FOR #22 FRAME	LF	6.56	
604.4060	ROUND PRECAST CONCRETE MANHOLE TYPE 60	LF	16	
605.0901	UNDERDRAIN FILTER TYPE I	CY	78	
605.1001	UNDERDRAIN FILTER TYPE II	CY	13	
605.1701	UNDERDRAIN PIPE, 4 IN DIAMETER	LF	984	
606.10	BOX BEAM GUIDE RAIL	LF	98	
606.120201	BOX BEAM GUIDE RAILING END ASSEMBLY TYPE IIA	EA	2	
607.95010007	REMOVE, STORE AND RESET EXISTING FENCING (CHAIN LINK)	LF	68.88	
607.95020007	REMOVE, STORE AND RESET EXISTING FENCING (METAL)	LF	65.6	
607.95030007	REMOVE, STORE AND RESET EXISTING FENCING (WOOD POST)	LF	39.36	
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	224	
608.21	EMBEDDED DETECTABLE WARNING UNITS	SY	60	
609.15	RESETTING EXISTING CURB	SF	43.056	
609.0901	OPTIONAL CURB (PRECAST TYPE PVF6 OR CAST-IN-PLACE TYPE VF6 OR GRANITE TYPE NVF)	LF	3464	
610.1101	MULCH FOR PLANTING TYPE A, B, D - WOOD CHIPS AND SHREDDED BARK	CY	9	
610.1402	TOPSOIL - ROADSIDE	CY	14	
610.1404	TOPSOIL - SPECIAL PLANTING MIX	CY	9	
610.1601	TURF ESTABLISHMENT - ROADSIDE	SY	359	
611.0721	PLANTING - HERBACEOUS PLANTS - NUMBER SP4 CONTAINER GROWN	EA	19	
611.0741	PLANTING - HERBACEOUS PLANTS - NUMBER 1 CONTAINER GROWN	EA	12	
615.02060124	REMOVE, STORE, AND RESET LANDSCAPE APPURTENANCE, TYPE 01	EA	1	
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	0.5	
619.0901	TEMPORARY PAVEMENT MARKING STRIPES (TRAFFIC PAINT)	LF	3674	
619.110512	(PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPECIFIED, CELLULAR COMMUNICATION	EA	3	
619.1612	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT B)	INTM	6	
619.27000007	RELOCATE POSTAL COLLECTION BOXES	EA	1	
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF	200	
621.04	CLEANING DRAINAGE STRUCTURES	EA	12	
625.01	SURVEY OPERATIONS	LS	0.5	
625.09010015	SUBSURFACE SURVEY	LS	0.5	
627.50140008	CUTTING PAVEMENT	LF	4461	

TABLE OF QUANTITIES - SHARE 1

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
633.11	CLEANING EXISTING PAVEMENT AND/OR SHOULDERS	SY	7415	
633.12	CLEANING, SEALING, AND/OR FILLING CRACKS	LS	0.5	
633.1401	REMOVAL AND REPAIR OF DETERIORATED HMA PAVEMENT LESS THAN OR EQUAL TO 4 SY	SY	74	
633.1403	REMOVAL AND REPAIR OF DETERIORATED HMA PAVEMENT 20 SY OR GREATER	SY	74	
637.11	ENGINEERS FIELD OFFICE - TYPE 1	MNTH	6	
637.36	CONSTRUCTION TESTING SUPPLIES - CONSUMABLES	DC	100	
645.5101	GROUND MOUNTED SIGN PANELS WITHOUT Z-BARS	SF	58	
645.5102	GROUND MOUNTED SIGN PANELS WITH Z-BARS (UNDER 30 SF)	SF	19	
645.81	TYPE A SIGN POSTS	EA	25	
645.85	POLE MOUNTED SIGN SUPPORT SYSTEM (BAND MOUNTED)	EA	3	
647.18010108	RELOCATE COMMERCIAL SIGN	EA	1	
647.31	RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)	EA	4	
647.51	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)	EA	27	
655.0806	CAST FRAME F3, UNMOUNTABLE CURB BOX CU3 & 8PCB GRATE	EA	18	
655.1022	WELDED FRAME AND RECTANGULAR GRATE 22	EA	6	
655.1202	MANHOLE FRAME AND COVER	EA	6	
662.62000010	RESETTING CASTING ON EXISTING UTILITY MANHOLES	EA	15	
663.011	DUCTILE IRON CEMENT LINED WATER PIPE 10"	LF	20	
663.0112	DUCTILE IRON CEMENT LINED WATER PIPE 12"	LF	541	
663.1006	RESILIENT WEDGE VALVE & VALVE BOX, 6"	EA	1	
663.1301	HYDRANT	EA	3	
663.181	BOLTED SLEEVE TYPE COUPLING, 10"	EA	2	
663.2002	IRON WATER MAIN FITTINGS (10" - 16")	LB	2646	
663.25000010	RESTORE WATER SERVICE CONNECTIONS	EA	11	
663.33	ADJUST EXISTING VALVE BOX ELEVATION	EA	35	
663.4106	REMOVE AND DISPOSE EXISTING WATER MAIN, 6"	LF	15	
663.42	REMOVE AND DISPOSE OF EXISTING WATER VALVE & VALVE BOX	EA	1	
663.43	REMOVE AND DISPOSE EXISTING HYDRANT	EA	3	
663.51000004	FURNISH AND INSTALL NEW WATER VALVE BOX	EA	1	
663.52000004	REMOVE EXISTING WATER VALVE BOX	EA	1	
670.90	RELOCATE LAMPPOST ASSEMBLY	EA	2	
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1	
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	6.5	
680.510501	PULLBOX, RECTANGULAR, CONCRETE, 26 IN X 18 IN	EA	1	
680.520105	CONDUIT, STEEL ZINC COATED, 1 1/2 IN. DIA.	LF	9.8	
680.730214	SIGNAL CABLE, 02 CONDUCTOR, 14 AWG	LF	33	
680.730514	SIGNAL CABLE, 05 CONDUCTOR, 14 AWG	LF	33	
680.79010008	REMOVE TRAFFIC SIGNAL EQUIPMENT	LS	0.2	
685.1102	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	7382	
685.1202	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	2723	
685.3404	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS	EA	2	

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			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: EQ0-01
PE DB	DE SM	PM DW	ESTIMATE OF QUANTITIES SHARE 1		SCALE: AS SHOWN SHEET 5 OF 64

TABLE OF QUANTITIES - SHARE 2

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
201.06	CLEARING AND GRUBBING	LS	0.5	
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	1495.0	
203.07	SELECT GRANULAR FILL	CY	1243.0	
204.01	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	CY	50.0	
206.0201	TRENCH AND CULVERT EXCAVATION	CY	759.0	
206.05	TEST PIT EXCAVATION	EA	10.0	
209.11020024	TEMPORARY CATCH BASIN INSERT - OIL, HYDROCARBONS, TRASH, SEDIMENT AND DEBRIS REMOVAL	EA	30.0	
209.13	SILT FENCE - TEMPORARY	LF	406.7	
209.22	CONSTRUCTION ENTRANCE	SY	24.0	
304.11000008	SUBBASE COURSE (MODIFIED)	CY	1190.0	
404.000011	PLANT PRODUCTION QUALITY ADJUSTMENT TO ASPHALT ITEMS	QU	156.0	
404.017901	TRUE AND LEVELING F9, ASPHALT, 70 SERIES COMPACTION	TON	418.0	
404.127101	12.5 F1 TOP COURSE ASPHALT, 70 SERIES COMPACTION	TON	1099.0	
404.197901	19 F9 BINDER COURSE ASPHALT, 70 SERIES COMPACTION	TON	1092.0	
404.377901	37.5 F9 BASE COURSE ASPHALT, 70 SERIES COMPACTION	TON	538.0	
404.438901	19 F9 TEMPORARY BINDER COURSE ASPHALT, 80 SERIES COMPACTION	TON	135.0	
407.0102	DILUTED TACK COAT	GAL	1119.0	
490.10	PRODUCTION COLD MILLING BITUMINOUS CONCRETE	SY	9460.0	
552.17	SHIELDS AND SHORINGS	SF	17761.0	
603.6001	REINFORCED CONCRETE PIPE CLASS III 12 INCH DIAMETER	LF	75.0	
603.6002	REINFORCED CONCRETE PIPE CLASS III 15 INCH DIAMETER	LF	489.0	
603.77	CONCRETE COLLARS	EA	15.0	
603.97000002	SAWCUTTING CULVERT PIPE	EA	15.0	
604.070101	ALTER DRAINAGE STRUCTURES	EA	14.0	
604.300691	RECTANGULAR DRAINAGE STRUCTURE TYPE F FOR PARALLEL BAR #11PCB FRAME	LF	17.0	
604.300811	RECTANGULAR DRAINAGE STRUCTURE TYPE H FOR PARALLEL BAR #11PCB FRAME	LF	14.0	
604.301873	RECTANGULAR DRAINAGE STRUCTURE TYPE R FOR CAST IRON F3 FRAME	LF	36.0	
604.4060	ROUND PRECAST CONCRETE MANHOLE TYPE 60	LF	13.0	
604.5018001	OFFSET CATCH BASIN	LF	36.0	
605.0901	UNDERDRAIN FILTER TYPE I	CY	105.0	
605.1701	UNDERDRAIN PIPE, 4 IN DIAMETER	LF	1378.0	
607.95010007	REMOVE, STORE AND RESET EXISTING FENCING (CHAIN LINK)	LF	52.0	
607.95030007	REMOVE, STORE AND RESET EXISTING FENCING (WOOD POST)	LF	52.5	
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	607.0	
608.01020005	COLOR AND IMPRINTED PORTLAND CEMENT CONCRETE SIDEWALK	CY	43.0	
608.07000115	RAISED CROSSWALK	LF	72.0	
608.10080008	RESET/REPLACE DAMAGED DRIVEWAY PAVERS	SF	16.0	
608.21	EMBEDDED DETECTABLE WARNING UNITS	SY	36.0	
609.15	RESETTING EXISTING CURB	SF	21.5	
609.0901	OPTIONAL CURB (PRECAST TYPE PVF6 OR CAST-IN-PLACE TYPE VF6 OR GRANITE TYPE NVF)	LF	4530.0	
610.1402	TOPSOIL - ROADSIDE	CY	35.0	
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	0.5	
619.0901	TEMPORARY PAVEMENT MARKING STRIPES (TRAFFIC PAINT)	LF	4592.0	
619.110512	(PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPECIFIED, CELLULAR COMMUNICATION	EA	3.0	
619.27000007	RELOCATE POSTAL COLLECTION BOXES	EA	2.0	
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF	722.0	
621.04	CLEANING DRAINAGE STRUCTURES	EA	13.0	
623.12000008	CRUSHED STONE	CY	98.0	
625.01	SURVEY OPERATIONS	LS	0.5	
625.09010015	SUBSURFACE SURVEY	LS	0.5	
627.50140008	CUTTING PAVEMENT	LF	5051.0	

TABLE OF QUANTITIES - SHARE 2

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
633.11	CLEANING EXISTING PAVEMENT AND/OR SHOULDERS	SY	9568.0	
633.12	CLEANING, SEALING, AND/OR FILLING CRACKS	LS	0.5	
633.1401	REMOVAL AND REPAIR OF DETERIORATED HMA PAVEMENT LESS THAN OR EQUAL TO 4 SY	SY	96.0	
633.1403	REMOVAL AND REPAIR OF DETERIORATED HMA PAVEMENT 20 SY OR GREATER	SY	96.0	
637.11	ENGINEERS FIELD OFFICE - TYPE 1	MNTH	7.0	
637.26	RAIN GUAGE	EA	1.0	
637.34	OFFICE TECHNOLOGY AND SUPPLIES	DC	1000.0	
637.36	CONSTRUCTION TESTING SUPPLIES - CONSUMABLES	DC	100.0	
645.5101	GROUND MOUNTED SIGN PANELS WITHOUT Z-BARS	SF	48.0	
645.5102	GROUND MOUNTED SIGN PANELS WITH Z-BARS (UNDER 30 SF)	SF	70.0	
645.81	TYPE A SIGN POSTS	EA	29.0	
645.85	POLE MOUNTED SIGN SUPPORT SYSTEM (BAND MOUNTED)	EA	1.0	
647.18010208	RELOCATE COMMERCIAL SIGN	EA	1.0	
647.31	RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)	EA	5.0	
647.51	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)	EA	22.0	
655.0806	CAST FRAME F3, UNMOUNTABLE CURB BOX CU3 & 8PCB GRATE	EA	18.0	
655.1022	WELDED FRAME AND RECTANGULAR GRATE 22	EA	1.0	
655.1202	MANHOLE FRAME AND COVER	EA	15.0	
662.62000010	RESETTING CASTING ON EXISTING UTILITY MANHOLES	EA	11.0	
663.011	DUCTILE IRON CEMENT LINED WATER PIPE 10"	LF	0.0	
663.0112	DUCTILE IRON CEMENT LINED WATER PIPE 12"	LF	49.0	
663.1301	HYDRANT	EA	1.0	
663.25000010	RESTORE WATER SERVICE CONNECTIONS	EA	9.0	
663.31	RELOCATE FIRE HYDRANT	EA	1.0	
663.33	ADJUST EXISTING VALVE BOX ELEVATION	EA	27.0	
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1.0	
680.79010008	REMOVE TRAFFIC SIGNAL EQUIPMENT	LS	0.8	
680.82250108	RELOCATE PEDESTRAIN PUSHBUTTONS AND SIGNS	EA	1.0	
680.82250408	RELOCATE PEDESTRAIN POLE	EA	1.0	
685.1102	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	9528.0	
685.1202	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	5240.0	
685.3304	WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS - 20 MILS	EA	12.0	
685.3404	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS	EA	5.0	

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		CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	
No: EQ0-02		ESTIMATE OF QUANTITIES SHARE 2	
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UTILITIES

1. THE ACCURACY INDICATED FOR THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE DEFINED AS FOLLOWS:

QUALITY LEVEL C - RECORD INFORMATION PROVIDED BY UTILITY OWNERS WAS PLOTTED ON THE CONTRACT PLANS, DEPTHS WERE NOT FIELD VERIFIED. PHYSICAL SURFACE FEATURES LIKE MANHOLES, VALVE BOXES AND HYDRANTS HAVE BEEN FIELD LOCATED.

THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATIONS UNDER SECTION 100 & SECTIONS 660 THROUGH 680 OF THE STANDARD SPECIFICATIONS, NOR DOES IT RELIEVE THE UTILITY OWNERS OF THEIR OBLIGATION TO ACCURATELY LOCATE THEIR FACILITIES.

2. ALL KNOWN PUBLIC AND PRIVATE UTILITY LINES WITHIN OR ADJACENT TO THE SITE OF THE WORK ARE SHOWN IN THEIR EXISTING APPROXIMATE LOCATIONS ON THE CONTRACT PLANS. THE CONTRACTOR IS CAUTIONED THAT THESE LOCATIONS ARE NOT GUARANTEED, NOR IS THERE A GUARANTEE THAT ALL SUCH LINES IN EXISTENCE ARE ACTIVE, OR HAVE BEEN SHOWN ON THE PLANS. THE CONTRACTOR SHALL CALL A CODE 53 (16 NYCRR PART 753) PRIOR TO ANY EXCAVATION ACTIVITY AND SHALL ADHERE TO ALL PROVISIONS THEREIN.

3. SHOULD UTILITIES BE ENCOUNTERED DURING CONSTRUCTION WHICH INTERFERE WITH THE WORK AND FOR WHICH PROVISIONS ARE NOT MADE ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORKING IN THE EFFECTED AREA AND NOTIFY THE ENGINEER OF THE EXISTENCE OF THESE UTILITIES AND OF THE EXTENT OF CONFLICT WITH THE WORK. THE ENGINEER SHALL THEN MAKE ARRANGEMENTS WITH THE OWNING UTILITY IN ORDER TO ALLOW THE CONTRACTOR TO PROGRESS THE WORK. THIS SHALL BE AT NO ADDITIONAL COST TO THE OWNER OR BE CAUSE FOR A DELAY CLAIM.

4. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO PREVENT DAMAGE TO SUCH FACILITIES. HE SHALL MAKE SUCH EXPLORATIONS AS MAY BE NECESSARY TO DETERMINE THE DIMENSIONS AND LOCATIONS OF LINES THAT MAY BE SUBJECT TO DAMAGE. NOTIFICATION TO THE VARIOUS OWNERS OF FACILITIES SHALL BE IN ACCORDANCE WITH NEW YORK STATE INDUSTRIAL CODE 753 (EFFECTIVE FEBRUARY 5, 1997).

5. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE EXACT LOCATION OF UTILITY LINES AND SHALL PROTECT AND SUPPORT IN A SUITABLE MANNER AT HIS OWN EXPENSE ALL UNDERGROUND UTILITIES ENCOUNTERED IN HIS EXCAVATING AND TRENCHING OPERATIONS. THE CONTRACTOR SHALL MAKE GOOD ON ANY DAMAGE TO THOSE UTILITIES CAUSED BY HIS OPERATIONS. IF THE NATURE OF THE DAMAGE IS SUCH AS TO ENDANGER THE SATISFACTORY OPERATIONS OF THE UTILITIES AND THE NECESSARY REPAIRS ARE NOT IMMEDIATELY MADE BY THE CONTRACTOR, THE WORK MAY BE DONE BY THE RESPECTIVE OWNING COMPANIES AND THE COST THEREOF CHARGED AGAINST THE CONTRACTOR.

6. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH ALL KNOWN PUBLIC AND PRIVATE UTILITY COMPANIES OCCUPYING THE WORK SITE. THE CONTRACTOR SHALL, AT THIS MEETING, INFORM THE UTILITY COMPANIES OF HIS SCHEDULE OF OPERATIONS AND SO COORDINATE HIS WORK WITH THESE COMPANIES.

7. DURING ANY CONSTRUCTION ACTIVITIES WHERE UTILITY POLES ARE IN CLOSE PROXIMITY, THE CONTRACTOR MAY BE REQUIRED TO PROVIDE A SUPPORT SYSTEM OF THE UTILITY POLE, SUBJECT TO THE APPROVAL OF THE ENGINEER AND IN COORDINATION WITH THE OWNING UTILITY COMPANY.

8. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH THE UTILITY COMPANIES, PARTICULARLY WHEN WORKING IN THE AREA OF A POLE RELOCATION, REMOVAL, OR REPLACEMENT.

9. SIGNAL POLES AND SPAN WIRES SHALL BE LOCATED SO THAT A MINIMUM 3m (10 FEET) CLEARANCE IS MAINTAINED BETWEEN THE POLE AND SPANWIRE AND THE CLOSEST OVERHEAD PRIMARY ELECTRIC LINE. ADDITIONAL INFORMATION IS PROVIDED ON STANDARD SHEET 680-16.

10. THE CONTRACTOR SHALL COORDINATE WITH THE VARIOUS UTILITY OWNERS AS TO SPECIFIC REQUIREMENTS AND/OR RESTRICTIONS WHEN PERFORMING WORK ADJACENT TO THE UTILITY LINES AND SERVICES.

11. TEST PITS SHALL BE DUG TO VERIFY THE NEED TO RELOCATE FACILITIES SHOWN IN THE TABLE. TEST PIT LOCATIONS SHALL BE AS SHOWN ON THE PLANS OR ABOVE, WHERE CONFLICTS BETWEEN THE PROPOSED AND EXISTING FACILITIES ARE ANTICIPATED. PAYMENT WILL BE MADE UNDER ITEM 206.05.

TEST PITS

AT WATER MAIN, SEWER MAIN AND SEWER LATERAL CROSSINGS:

- 1. TEST PITS SHALL BE PERFORMED BY CONTRACTOR PRIOR TO SHOP DRAWING APPROVAL FOR ALL DRAINAGE MATERIAL
- 2. TEST PITS SHALL BE PAID FOR UNDER ITEM 206.05. ANY REQUIRED EXCAVATION PROTECTION SYSTEM SHALL BE INCLUDED IN THE COST OF THE TEST PIT ITEM.
- 3. TEST PITS AT WATER MAIN CROSSINGS SHALL BE AT SUCH A DEPTH TO UNCOVER AND VERIFY SIZE, TYPE AND DEPTH OF THE EXISTING WATER MAIN. THIS INFORMATION SHALL BE TRANSMITTED TO THE ENGINEER IMMEDIATELY TO DETERMINE IF RELOCATION OF THE WATER MAIN IS REQUIRED

SOIL EROSION AND SEDIMENT CONTROL

- 1. GROUND WATER MAY BE ENCOUNTERED DURING THE INSTALLATION OF THE VARIOUS CONTRACT ITEMS. THE COST FOR NECESSARY DEWATERING SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.
- 2. THE CONTRACTOR WILL BE REQUIRED TO PERFORM ALL CONSTRUCTION OPERATIONS IN A MANNER SO AS TO MINIMIZE SOIL EROSION AND ENSURE SEDIMENT CONTROL. EROSION CONTROL MEASURES ARE ITEMS WHICH MINIMIZE THE EROSION OF SOIL. SEDIMENT CONTROL MEASURES ARE ITEMS WHICH KEEP SEDIMENT FROM LEAVING THE PROJECT SITE. EFFECTIVE SOIL EROSION AND SEDIMENT CONTROL CAN BE ACCOMPLISHED BY LIMITING THE AREA OF UNPROTECTED SOIL. PROTECTED IS DEFINED AS HAVING TEMPORARY OR PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE. PERIMETER SEDIMENT CONTROL MEASURES ALONE ARE NOT CONSIDERED ADEQUATE PROTECTION.
- 3. THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF ALL ENVIRONMENTAL PERMITS ISSUED FOR THIS PROJECT. THESE PLANS REFLECT THE PROVISIONS AND REQUIREMENTS OF SAID PERMIT(S). PERMIT(S) WILL BE AVAILABLE FROM THE ENGINEER-IN-CHARGE (E.I.C.) PRIOR TO THE START OF CONSTRUCTION.
- 4. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT DIRECT OR INDIRECT CONTAMINATION OF ALL WATER BODIES (INCLUDING WETLANDS) BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE, OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY WATER BODIES (INCLUDING WETLANDS), NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS, OR OTHER DEVICES BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY WATER BODIES (INCLUDING WETLANDS).
- 5. ANY DEBRIS OR EXCESS MATERIALS FROM CONSTRUCTION OF THIS PROJECT SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM THE BED AND BANKS OF ALL WATER BODIES (INCLUDING WETLANDS) AND SHALL BE DISPOSED OF AWAY FROM WETLANDS, WATER COURSES, OR OTHER BODIES OF WATER.
- 6. ALL DREDGED AND EXCAVATED MATERIAL SHALL BE DISPOSED OF AND BE PROTECTED SO THAT IT CANNOT DIRECTLY OR INDIRECTLY RE-ENTER ANY WATER BODY OR WETLAND AREA. ALL DE-WATERING OPERATIONS INVOLVING TURBID WATER SHALL BE ACCOMPLISHED BY PUMPING TO A VEGETATED AREA (NOT INCLUDING WETLANDS) OR TO A SEDIMENT TRAP, OR A MANUFACTURED SEDIMENT CONTROL SYSTEM. WHEN THE WATER BEING DISCHARGED IS AS FREE AND CLEAR OF SEDIMENT AS THE ADJACENT STREAM OR WATER BODY, THE WATER CAN BE PUMPED DIRECTLY INTO THE STREAM OR WATER BODY. DE-WATERING OPERATIONS OF TURBID WATER SHALL NOT DIRECTLY OR INDIRECTLY DISCHARGE TO ANY WATER BODIES (INCLUDING WETLANDS). LOCATIONS AND DESIGNS NOT SHOWN ON THE PLANS SHALL BE APPROVED BY THE E.I.C.
- 7. TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AS PER DETAILS AND SPECIFICATIONS. THE COST OF MAINTAINING AND REMOVING TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INCLUDED IN THE BID PRICE OF THE APPROPRIATE ITEM USED FOR THE INSTALLATION OF THE MEASURE. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR DAILY DURING PROLONGED RAINFALL. IF NO RAINFALL OCCURS, INSPECTION SHALL BE DONE ONCE EVERY SEVEN CALENDAR DAYS.
- 8. PERIMETER SEDIMENT CONTROL MEASURES AND VEGETATION PROTECTION FENCE SHALL BE PLACED PRIOR TO STARTING CLEARING AND GRUBBING OPERATIONS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE PERMANENTLY PROTECTED WITH EROSION CONTROL MEASURES.
- 9. TEMPORARY STOCKPILES OF SOIL SHALL BE PROTECTED AS PER THE SOIL EROSION AND SEDIMENT CONTROL DETAILS IN THE NYS DOT STANDARD SHEETS. AT A MINIMUM, TEMPORARY STOCKPILES SHALL BE RINGED WITH SILT FENCE. STOCKPILES AND AREA OF STOCKPILES LEFT INACTIVE FOR LONGER THAN 14 DAYS SHALL HAVE TEMPORARY SEED AND MULCH APPLIED OR BE COVERED IN A MANNER THAT WILL PREVENT EROSION. ANY MEASURES USED TO COVER STOCKPILES SHALL BE SECURED TO MAINTAIN THEIR EFFECTIVENESS.
- 10. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A MAINTAINED ROADWAY. PAYMENT SHALL BE UNDER ITEM 209.22 AND STANDARD SHEET 209-05 SHALL APPLY.
- 11. ANY ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL MEASURES USED TO SUPPLEMENT THE PLANS SHALL BE PREPARED IN ACCORDANCE WITH THE TECHNICAL REQUIREMENTS CONTAINED IN THE "STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", LATEST EDITION. ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS PER SECTION 107-12 OF THE STANDARD SPECIFICATIONS.
- 12. THE CONTRACTOR SHALL BE PREPARED TO IMPLEMENT INTERM DRAINAGE CONTROLS AND EROSION CONTROL MEASURES AS THE NEED ARISES DURING THE COURSE OF CONSTRUCTION.

WETLANDS AND WATERBODIES PRESERVATION

- 1. DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT ITS OPERATIONS IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO ANY WATER BODY, INCLUDING WETLANDS, FROM DIRECT OR INDIRECT POLLUTION BY DEBRIS, SEDIMENTATION OR OTHER FOREIGN MATERIAL, OR FROM THE MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH WATER BODIES. NO WATER SHALL BE RETURNED DIRECTLY TO THE WATER BODY WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THE WATER TO BE CONTAMINATED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF THE CONTRACTOR USES THE WATER FROM ANY WATER BODY, THEY SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM AS REQUIRED TO PROTECT AND MAINTAIN WATER RIGHTS AND SUSTAIN AQUATIC LIFE DOWNSTREAM.
- 2. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL INTO THE WATERBODY EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS, OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.
- 3. IF PUMPS ARE USED, AT THE END OF THE WORK DAY OR BEFORE HEAVY ANTICIPATED FLOWS, THE CONTRACTOR SHALL ESTABLISH AN UNOBSTRUCTED CHANNEL AREA SUFFICIENT TO ACCOMMODATE THE FLOW. THE CONTRACTOR SHALL SUBMIT A PROCEDURE FOR APPROVAL TO THE ENGINEER-IN-CHARGE.
- 4. ALL DE-WATERING OPERATIONS INVOLVING TURBID WATER SHALL BE ACCOMPLISHED BY PUMPING TO A VEGETATED AREA (NOT INCLUDING WETLANDS) OR TO A SEDIMENT TRAP, OR A MANUFACTURED SEDIMENT CONTROL SYSTEM. DE-WATERING OPERATIONS SHALL NOT, DIRECTLY OR INDIRECTLY, DISCHARGE TO ANY WATER BODIES (INCLUDING WETLANDS). WHEN THE WATER BEING DISCHARGED IS AS FREE AND CLEAR OF SEDIMENT AS THE ADJACENT STREAM OR WATER BODY, THE WATER CAN BE PUMPED DIRECTLY INTO THE STREAM OR WATER BODY. LOCATIONS AND DESIGNS NOT SHOWN ON THE PLANS SHALL BE APPROVED BY THE ENGINEER-IN-CHARGE AND DCDPW. SCOUR AND TURBIDITY MUST BE AVOIDED WHEN DISCHARGING WATER BACK INTO THE ASSOCIATED WATERBODY.

DRAINAGE NOTES:

- 1. DRAINAGE STRUCTURES, CULVERTS AND PIPING WITHIN THE CONTRACT LIMITS THAT ARE TO BE CLEANED SHALL BE PAID FOR UNDER ITEM 621.03, CLEANING CLOSED DRAINAGE SYSTEM AND ITEM 621.04, CLEANING DRAINAGE STRUCTURES.
- 2. THE CONTRACTOR MUST GIVE AT LEAST 72 HOURS NOTICE TO UTILITY COMPANIES BEFORE ANY WORK IS STARTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 3. INVERT ELEVATIONS PROVIDED TO THE THOUSANDTH OF A METER PRECISION ARE ESTIMATED. CONTRACTOR TO VERIFY.
- 4. FOR UTILITY CONFLICT LOCATIONS AND DESCRIPTIONS SEE UNDERGROUND UTILITY CONFLICTS TABLE, ON DWG. NO. UC-01 & UC-02.
- 5. SHIELDS AND SHORING IS REQUIRED WHERE EXCAVATION FOR THE DRAINAGE PIPE AND/OR STRUCTURE IS BETWEEN 1.5m (5') AND 6.1m (20'). TO BE PROVIDED UNDER ITEM 552.17 - SHIELDS AND SHORING. IF THE CONTRACTOR WISHES TO LAY BACK A SLOPE, THEY WILL STILL BE PAID UNDER THIS ITEM FOR THE AREA WHERE EPS WOULD HAVE BEEN USED.
- 6. UNDER 604.070101 SERIES ITEMS THE CONTRACTOR SHALL CONSTRUCT NEW TOP SLABS SIMILAR TO THOSE SHOWN ON THE APPLICABLE STANDARD SHEET DRAWING FOR THE TYPE OF STRUCTURE INVOLVED. THE CONTRACTOR SHALL MEASURE THE EXISTING BASIN AND FURNISH SHOP DRAWINGS OF THE TOP SLAB FOR THE APPROVAL OF THE ENGINEER.
- 7. WHERE BASINS ARE PLACED ON EXISTING PIPES OR CULVERTS, THE CONTRACTOR SHALL FIELD DETERMINE THE EXISTING PIPE OR CULVERT SIZES AND INVERTS BEFORE FABRICATING THE BASINS.
- 8. WHILE THE TABLE OF DRAINAGE STRUCTURES LISTS ALL OR MANY EXISTING PIPES TO BE CLEANED, IT IS ESTIMATED THAT ONLY 75% WILL REQUIRE CLEANING AND THE QUANTITY PROVIDED IS BASED ON THAT ESTIMATE.
- 9. THE CONTRACTORS ATTENTION IS DIRECTED TO OSHA STANDARDS, SECTION 1926.651(G), CONCERNING LOCATIONS OF POSSIBLE OXYGEN DEFICIENCY OR GASEOUS CONDITIONS THAT MIGHT BE ENCOUNTERED WHEN WORKING ON THE DRAINAGE SYSTEM.
- 10. MASONRY ADJUSTMENT COLLARS, OR PORTIONS THEREOF, SHALL BE REPAIRED (REPLACE LOOSE OR MISSING BRICK AND MORTAR JOINTS) WHERE NECESSARY AS DETERMINED BY THE ENGINEER IN ACCORDANCE WITH THE MATERIAL AND CONSTRUCTION REQUIREMENTS OF ITEM 604.070101, EXCEPT THAT THE EXISTING DRAINAGE FRAME SHALL REMAIN IN PLACE. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK, BUT THE COST IS TO BE INCLUDED IN THE PRICE BID FOR ITEM 621.04.
- 11. AT THE CONCLUSION OF THE PROJECT, ALL DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS, EXISTING OR PROPOSED SHALL BE IN A CLEAN, DEBRIS-FREE STATE IN ORDER TO BE ACCEPTED. SEPARATE PAYMENT SHALL NOT BE MADE AND COST TO BE INCLUDED IN DRAINAGE ITEMS.

UTILITY AGENCY CONTACTS

BEACY CITY WATER AND SEWER
ED BALICKI - (845) 831-7130
CITY WATER & SEWER SUPERINTENDENT

BEACON CITY HIGHWAY
MICHAEL MANZI - (845) 831-0932
CITY HIGHWAY SUPERINTENDENT

CENTRAL HUDSON ELECTRIC AND GAS
KYLE DEFALCO - (845) 897-6111
DIRECTOR OF ELECTRIC DISTRICT OPERATIONS AND FACILITIES

FOR GAS LEAKS, PLEASE CALL 1-800-942-8274
FOR FALLEN WIRES, PLEASE CALL 1-800-527-2714 OR 911

VERIZON COMMUNICATIONS
JIMMY CHIU - (845) 451-6329
SUPERVISOR

ALTICE
KEVIN ROBINSON - (914) 326-1071
SUPERVISOR

HOLIDAY WORK RESTRICTIONS

1. UNLESS APPROVED IN WRITING BY THE RESIDENT ENGINEER, NO WORK SHALL BE PERMITTED ON THE FOLLOWING HOLIDAYS:

- NEW YEAR'S DAY
- MARTIN LUTHER KING JR. DAY
- LINCOLN'S BIRTHDAY
- PRESIDENT'S DAY/WASHINGTON'S BIRTHDAY
- MEMORIAL DAY
- INDEPENDENCE DAY
- LABOR DAY
- COLUMBUS DAY
- ELECTION DAY
- VETERANS DAY
- THANKSGIVING DAY
- CHRISTMAS DAY

REFER TO WWW.DUTCHESSNY.GOV FOR SPECIFIC CALENDAR DATES.

FILE NAME = DGN#SPEC01234567890123456789012345678901234
DATE/TIME = DGN#SYTIME0123456
USER = DGN#USERNAME



		CITY OF BEACON	
DATE:	OCTOBER 2023	PROJECT:	PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES
NO:			GNN-02
FE DB	DE SM	PM DW	GENERAL NOTES
SCALE:			AS SHOWN
SHEET			8 OF 64

FILE NAME = DGN#SPEC#01234567890123456789012345678901234
DATE/TIME = DGN#SYTIME#0123456
USER = DGN#USERNAME

TRAFFIC SIGNALS

1. ALL PERMANENT RESTORATION OF AREAS EXCAVATED FOR TRAFFIC SIGNAL WORK MUST BE COMPLETED WITHIN THREE WEEKS OF THE START OF EXCAVATION UNLESS OTHER PROPOSED WORK INVOLVING EXCAVATION IS PLANNED IN THE AREA. IN AREAS OF PEDESTRIAN USE OR DRIVEWAYS, TEMPORARY ASPHALT RESTORATIONS SHALL BE PLACED IMMEDIATELY AFTER BACKFILLING IF PERMANENT WORK CANNOT BE COMPLETED AT THAT TIME. TEMPORARY ASPHALT SHALL BE 75 mm THICK AND SHALL BE MAINTAINED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. THE COST OF MAINTENANCE AND REEXCAVATION FOR PERMANENT RESTORATION SHALL BE INCLUDED IN THE APPROPRIATE CONTRACT ITEMS 203.02 AND 619.01.
2. THE LOCATION OF ALL TRAFFIC SIGNAL HEADS WILL BE VERIFIED IN THE FIELD BY THE CITY OF BEACON HIGHWAY DEPARTMENT PRIOR TO THE TERMINATION OF WIRES IN THE SIGNAL HEADS.
3. THE BOTTOM OF SIGNAL HEADS ON THE SPAN WIRE FOR EACH APPROACH SHALL BE ALIGNED.
4. THE CONTRACTOR IS ADVISED THAT UNDERGROUND AND OVERHEAD UTILITIES EXIST IN THE AREAS OF THE SIGNALIZED INTERSECTIONS. THE CONTRACTOR SHALL NOT RELY SOLELY ON THE PLANS FOR LOCATIONS OF ALL EXISTING UTILITIES, BUT SHALL HAVE LOCATIONS OF ALL UTILITIES VERIFIED PRIOR TO BEGINNING CONSTRUCTION.
5. TRAFFIC SIGNAL HEADS SHALL BE MOUNTED AS DEPICTED ON STANDARD SHEET 680-70 WITH CLEARANCE OF 15'-6" TO 17'-0" CLEARANCE ABOVE ANY POINT ON THE ROADWAY.
6. THE APPLICATION OF PAVEMENT MARKINGS SHALL BE COORDINATED WITH THE COMPLETION OF THE SIGNAL WORK AT EACH LOCATION WHERE PERMANENT PAVEMENT MARKINGS ARE TO BE APPLIED.
7. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION UNTIL THE NEW SIGNALS ARE OPERATIONAL. REASONABLE SHUT DOWN PERIODS WILL BE ALLOWED FOR SIGNAL MODIFICATION AND INSTALLATION, A.O.B.E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF TRAFFIC CONTROL DURING PERIODS WHEN THE TRAFFIC SIGNALS ARE NOT IN OPERATION.
8. THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE NEW YORK BOARD OF FIRE UNDERWRITERS FOR THE SIGNAL INSTALLATIONS.
9. THE CONTRACTOR IS ALERTED TO THE FACT THAT THE RUN-OFF FROM THE PAVEMENT SAW-CUTTING OPERATIONS MUST BE CONTAINED TO PREVENT THE RUNOFF FROM REACHING ADJACENT STREAMS AND WETLANDS.
10. ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED UNLESS NOTED. ALL BOLTS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL, EXCEPT ANCHOR BOLTS AND NUTS.
11. FOUNDATION EXCAVATIONS ARE TO BE FILLED WITH CONCRETE THE DAY THEY ARE DUG TO AVOID HOLES LEFT OPEN OVERNIGHT. HOWEVER, SHOULD ANY EXCAVATION BE LEFT OPEN AT THE END OF THE WORKING DAY, THE CONTRACTOR SHALL PROVIDE PROTECTION MEETING THE REQUIREMENTS OF SECTION 107-05E. THE COST OF WHICH SHALL BE INCLUDED IN THE PRICE BID FOR THE APPROPRIATE INSTALLATION AND/OR REMOVAL ITEMS.
12. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING A CONTINUOUSLY GROUNDED CONDUIT SYSTEM. SHOULD EXISTING CONDUIT BE USED TO WIRE THE SIGNAL SYSTEM, THESE CONDUITS SHALL BE GROUNDED IN ACCORDANCE WITH THE GROUNDING REQUIREMENTS.
13. THERE SHALL BE NO SEPARATE PAYMENT FOR PROVIDING A CONTINUOUSLY GROUNDED CONDUIT SYSTEM. PAYMENT IS TO BE INCLUDED IN THE PRICE BID FOR CABLE, CONDUIT, AND CONTROLLER INSTALLATION.
14. ALL SIGNAL POLES, PEDESTRIAN POLES, AND PUSH BUTTON STATIONS SHALL BE GROUNDED BY MEANS OF A GROUNDING ROD DRIVEN IN THE NEAREST PULLBOX OR AS PROVIDED ON NYSDOT STANDARD SHEET "SPAN WIRE MOUNTED TRAFFIC SIGNAL INSTALLATION DETAIL".
15. SIGNAL HEADS SHALL BE HUNG ON THE SPAN WIRE WITH ALL CABLING AND DRIP LOOPS LASHED ON THE SIDE OF THE HEAD OPPOSITE THE COTTER PIN SO AS TO MINIMIZE CHAFING.
16. UPON REMOVAL OF ANY POLE MOUNTED CABINETS, THE CONTRACTOR SHALL ENCLOSE THE CONDUIT OUTLET BY MEANS OF A HOT DIPPED GALVANIZED CAP. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE REMOVAL ITEMS.
17. UNDER NO CIRCUMSTANCE SHALL INDIVIDUAL SIGNAL CABLE CONDUCTORS OF A MULTICONDUCTOR CABLE BE PERMITTED IN TRAFFIC SIGNAL POLES OR POSTS WITHOUT THE PROTECTION OF THE CABLE INSULATION.
18. ALL SIGNAL CABLES ENTERING CONTROLLER CABINETS SHALL HAVE MYLAR OR BRASS TAGS PERMANENTLY AFFIXED WHICH SHALL IDENTIFY THE CABLE. FOR EXAMPLE - "14/10 C-1" PAYMENT WILL BE INCLUDED UNDER VARIOUS SIGNAL CABLE ITEMS.
19. PRIOR TO ORDERING POLES, ALL SIZES SHOULD BE CONFIRMED WITH THE ENGINEER IN CHARGE AND THE CITY OF BEACON HIGHWAY DEPARTMENT.
20. PEDESTRIAN SIGNAL HEADS SHALL BE PROVIDED WITH A FIVE POSITION TERMINAL BLOCK
21. TRAFFIC SIGNAL HEADS SHALL BE PAINTED DARK GREEN.
22. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 5 WORKING DAYS PRIOR TO PERFORMING ANY WORK WHICH AFFECTS THE OPERATION OF THE EXISTING TRAFFIC CONTROL SYSTEM. THE CONTRACTOR SHALL COORDINATE ANY ANTICIPATED DISRUPTIONS TO THE EXISTING SYSTEM WITH THE TRAFFIC DEPARTMENT OF THE N.Y.S.D.O.T. AT (845) 431-5770 AND THE DUTCHESS COUNTY DPW AT (845) 486-2925. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK. ALL COSTS SHALL BE INCLUDED IN VARIOUS CONTRACT ITEMS.

24. THE ROADSIDE FACE OF ALL CABINETS SHALL BE INSTALLED A MINIMUM OF 450mm (18") FROM THE FACE OF THE CURB. EXCAVATIONS FOR PULLBOXES, CONDUITS AND FOUNDATIONS SHALL BE A MINIMUM OF 150mm (6") INSIDE EXISTING RIGHT-OF-WAY LINES OR AS ORDERED BY THE ENGINEER.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY SUPPORT OF UTILITY POLES AS REQUIRED WHEN EXCAVATING NEAR THEM. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.
26. THE LOCATIONS OF THE TRAFFIC CONTROL EQUIPMENT SHOWN ON THESE PLANS ARE APPROXIMATE AND SYMBOLIC. THE CONTRACTOR SHALL LAYOUT ALL FIELD LOCATIONS IN A MANNER APPROVED BY THE ENGINEER.
27. THE ENGINEER'S APPROVAL OF EACH LOCATION IS REQUIRED PRIOR TO THE START OF ANY CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN THE VARIOUS SIGNAL ITEMS.
28. THE CONTRACTOR SHALL BEAR THE COST OF ANY REPAIRS A.O.B.E. DUE TO DAMAGE DURING HIS CONSTRUCTION OPERATIONS.
29. SIGNAL HEADS SHALL NOT BE HUNG WITHOUT THE APPROVAL OF THE ENGINEER.
30. ONLY THREADED COUPLINGS OR SPLIT COUPLINGS SHALL BE PERMITTED TO JOIN STEEL CONDUITS.

RIGHT-OF-WAY

1. ALL WORK TO BE PERFORMED UNDER THIS CONTRACT WILL BE WITHIN THE PUBLIC RIGHT-OF-WAY (ROW) IN ACCORDANCE WITH SECTION 105-15 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR IS TO ASSURE HIMSELF THAT ALL WORK IS BEING PERFORMED WITHIN THE ROW, INCLUDING BUT NOT LIMITED TO VEHICLE ACCESS; STORAGE OF EQUIPMENT, MATERIALS, DEBRIS AND WASTE; LANDSCAPING; VEGETATION REMOVAL AND MANAGEMENT; GRADING, SEEDING AND THE INSTALLATION OF TURF; AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIERS.
2. IF CONTRACTOR IS UNABLE TO IDENTIFY THE LIMITS OF THE RIGHTS-OF-WAY WHEN THE CONTRACT CALLS FOR WORK IN THOSE VICINITIES, THE CONTRACTOR MUST CONTACT THE PROJECT ENGINEER FOR DEFINITIVE BOUNDARY DETERMINATIONS BEFORE ANY WORK MAY BE INITIATED AT THOSE LOCATIONS (STANDARD SPECIFICATIONS SECTIONS 105-10 AND 625).
3. IN ACCORDANCE WITH SECTION 107-13 OF THE STANDARD SPECIFICATIONS, RELEASES FOR ANY NON-ESSENTIAL CONTRACT WORK OUTSIDE OF THE EXISTING RIGHTS-OF-WAY, INCLUDING PLANTINGS, LANDSCAPING OR DRIVEWAY ENHANCEMENT, WILL BE PROVIDED BY THE PROJECT ENGINEER AND IN NO INSTANCE ARE TO BE SECURED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT INVADE UPON PRIVATE PROPERTIES, LANDS OR BUILDINGS OUTSIDE OF THE RIGHTS-OF-WAY FOR ANY REASON WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE PROPERTY OWNER (STANDARD SPECIFICATIONS SECTIONS 105-15, 107-13).
4. THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES DONE. ANY SUCH INJURIES OR DAMAGES SHALL BE SATISFACTORILY REPAIRED OR ITEMS REPLACED AT THE CONTRACTOR'S EXPENSE (STANDARD SPECIFICATIONS SECTION 107-08 AND 107-13).

TREE PROTECTION FOR ENDANGERED SPECIES

1. THE AREA BENEATH THE DRIP LINE OF ALL TREES WITH A TRUNK DIAMETER OF 3 INCHES OR GREATER LOCATED OUTSIDE OF THE PROJECT CLEARING LIMITS OR IN PROXIMITY TO STAGING AND STOCKPILING AREAS SHALL NOT BE DISTURBED. DISTURBANCE INCLUDES REMOVING TREES, STOCKPILING MATERIAL, STORING EQUIPMENT, OR DRIVING AND PARKING VEHICLES BENEATH THE DRIP LINE OF TREES. ADDITIONAL TREES REQUIRING PROTECTION MAY BE DESIGNATED BY THE ENGINEER-IN-CHARGE. THE CONTRACTOR SHALL SUBMIT A PLAN TO THE ENGINEER-IN-CHARGE FOR APPROVAL SHOWING THE PROPOSED STAGING, STORAGE AND STOCKPILE AREAS FOR EACH SITE PRIOR TO PLACEMENT OF ANY EQUIPMENT OR MATERIALS AT THE SUBJECT AREA.

TIME OF YEAR CUTTING RESTRICTIONS FOR INDIANA BAT & NORTHERN LONGEARED BAT

1. IN ORDER TO PREVENT ANY DIRECT TAKINGS OF INDIANA BAT (MYOTIS SODALIS), A FEDERAL AND STATE LISTED ENDANGERED SPECIES AND NORTHERN LONG-EARED BAT (MYOTIS SEPTENTRIONALIS), A PROPOSED FEDERAL LISTED ENDANGERED SPECIES, THE CONTRACTOR'S ATTENTION IS HEREBY DIRECTED TO THE FACT THAT TREE CUTTING SHALL ONLY BE PERFORMED AFTER OCTOBER 31 AND BEFORE MARCH 31. TIME OF YEAR TREE CUTTING RESTRICTIONS APPLY TO TREES THAT ARE 3 INCHES OR GREATER DIAMETER AT BREST HEIGHT (DBH).

MAINTENANCE & PROTECTION OF TRAFFIC NOTES:

1. MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) SCHEMES SHALL BE IN ACCORDANCE WITH THE PLANS, THE OFFICIAL COMPILATION OF CODES, RULES AND REGULATIONS OF THE STATE OF NEW YORK (NYCRR) VOLUME 17B (HEREAFTER REFERRED TO AS THE NATIONAL MUTCD AND THE NEW YORK STATE SUPPLEMENT OR SIMPLY THE MUTCD) PART 6 AND OTHER EXHIBITS OF THE DOCUMENT AS ORDERED BY THE ENGINEER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF TRAFFIC. MAINTENANCE OF TRAFFIC SCHEMES SHALL BE IN ACCORDANCE WITH THE PLANS, THE NYSDOT STANDARD DETAILS, THE MUTCD AND AS APPROVED OR DIRECTED BY THE ENGINEER. TRAFFIC SCHEMES IN THE MUTCD OR NYSDOT STANDARD SHEETS ARE TO BE CONSIDERED MINIMUM REQUIREMENTS. THE ENGINEER MAY ORDER ADDITIONAL SIGNS, FLAGGERS, CONES, REFLECTORIZATION ETC., IF HE/SHE DEEMS IT NECESSARY IT SHALL BE AT NO ADDITIONAL COST TO THE CITY. PAYMENT FOR ALL SUCH WORK SHALL BE INCLUDED IN THE ITEMS FOR WORK ZONE TRAFFIC CONTROL AS APPROPRIATE.
3. PLANS DETAILING THE SPECIFIC MPT LAYOUTS TO BE USED SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE START OF WORK. SUBMITTED PLANS MUST BE STAMPED BY A LICENSED NYS PROFESSIONAL ENGINEER. IF MPT MEASURES PROPOSED MATCH EXACTLY THOSE PRESENTED IN THE 619 SERIES OF NYSDOT STANDARD SHEETS, THE PE STAMP REQUIREMENT CAN BE WAIVED. IF CHANGES TO THE STANDARD SHEETS ARE REQUESTED, THESE MUST BE DESIGNED AND STAMPED BY A PE. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER ITEM 619.01.
4. WHEN CONES ARE USED IN CONTROLLING THE MOVEMENT OF TRAFFIC THROUGH WORK AREAS, THE CONTRACTOR SHALL TAKE STEPS AS NECESSARY TO PREVENT THE CONES FROM BEING BLOWN OVER OR DISPLACED BY PASSING VEHICLES.
5. THE CONTRACTOR MUST NOTIFY THE ENGINEER, THE CITY OF BEACON DEPARTMENT OF PUBLIC WORKS, THE CITY OF BEACON POLICE, THE CITY OF BEACON FIRE DEPARTMENT AND EMERGENCY SERVICES, BEACON CITY SCHOOL DISTRICT, AND THE NEW YORK STATE POLICE OF ALL DETOURS, PROPOSED STREET CLOSINGS, OR ANY WORK THAT MIGHT AFFECT THE MOBILITY OR ACCESS OF THE FIRE OR POLICE DEPARTMENT OR SCHOOL DISTRICT, 72 HOURS IN ADVANCE OF THEIR IMPLEMENTATION. IN ADDITION, THE CONTRACTOR SHALL ENSURE THAT HYDRANTS AND ALARM BOXES ARE KEPT CLEAR AND AVAILABLE.
6. THE CONTRACTOR SHALL MAINTAIN ONE (1) LANE AND ONE (1) SIDEWALK IN EACH DIRECTION AT ALL TIMES. IF THE CONTRACTOR ELECTS TO UTILIZE A DETOUR, APPROVAL WILL BE REQUIRED FROM THE ENGINEER, THE CITY OF BEACON, AND (IF AFFECTING NYS-OWNED ROUTES) NYSDOT. PLANS DETAILING THE PROPOSED DETOUR SHALL BE SUBMITTED TO THE ENGINEER AT LEAST 30 DAYS PRIOR TO THE START OF WORK REQUIRING THE DETOUR. IF THE DETOUR AFFECTS NYS-OWNED ROUTES, THE CONTRACTOR MUST ALSO OBTAIN A HIGHWAY WORK PERMIT. DELAYS RELATED TO THE CONTRACTOR'S FAILURE TO RECEIVE TIMELY APPROVAL OF PROPOSED DETOUR ROUTES WILL BE BOURNE BY THE CONTRACTOR AT NO COST TO THE CITY AND WILL NOT BE AN ACCEPTABLE REASON FOR AN EXTENSION OF THE CONTRACT DURATION.
7. IF/WHEN/WHERE DETOURS ARE UTILIZED THE CONTRACTOR SHALL PLACE, MAINTAIN AND REMOVE DETOUR SIGNS AND DEVICES AND PERFORM A DAILY PATROL TO MAKE SURE THEY ARE IN GOOD CONDITION. WHEN THE DETOUR IS NOT IN EFFECT THE CONTRACTOR SHALL IMMEDIATELY MOVE, REMOVE OR TEMPORARILY COVER ALL DETOUR SIGNS, TO REFLECT ACTUAL CONDITIONS.
8. VARIOUS MAINTENANCE AND CONSTRUCTION SIGNS SPECIFIED IN PART 6 OF THE MUTCD ARE AVAILABLE IN THE STANDARD DIAMOND SHAPE AND AN ALTERNATE RECTANGULAR SHAPE. WHENEVER SUCH SIGNS ARE INCLUDED IN THIS CONTRACT, THE DIAMOND SHAPE SIGN SHALL BE USED, DESPITE OTHER INDICATIONS IN CHAPTER 6F.
9. UNLESS OTHERWISE INDICATED, ALL WORK ZONE SIGNS USED SHALL BE THE STANDARD SIZE FOR CONVENTIONAL ROADWAYS IN ACCORDANCE WITH THE MUTCD.
10. THE CONTRACTOR'S ATTENTION IS DIRECTED TO CHAPTER 6F, SECTION 6F.02 OF THE MUTCD WHICH REQUIRES THAT WITH THE EXCEPTION OF THE RAILROAD ADVANCE WARNING SIGN, WARNING SIGNS USED IN CONJUNCTION WITH WORK ZONE ACTIVITIES SHOULD HAVE ORANGE BACKGROUNDS.
11. WHEN THE MAINTENANCE OF TRAFFIC SCHEMES CALL FOR THE ESTABLISHMENT OF A REGULATORY REDUCED SPEED ZONE, THE CONTRACTOR SHALL POST THE SPEED ZONE AHEAD SIGN IN ACCORDANCE WITH TABLE 6C-1, 6C-2, 6H-3, AND 6E-1 OF THE MUTCD AND SECTION 2B.18 OF THE SUPPLEMENT AND SHALL POST INTERMEDIATE SPEED LIMIT SIGNS IN ACCORDANCE WITH TABLE 6C-1, 6C-2, 6H-3, AND 6E-1 OF THE MUTCD AND SECTION 2B.18 OF THE SUPPLEMENT. IN ADDITION, THE CONTRACTOR SHALL COMPLETELY COVER WITH OPAQUE MATERIAL ANY EXISTING SPEED RELATED SIGNING THAT WOULD CONFLICT WITH THE SPEED ZONE SIGNS BEING POSTED. ANY SUCH COVERING SHALL BE IMMEDIATELY REMOVED WHEN THE REDUCED SPEED ZONE IS NOT IN EFFECT. WORK ZONE SPEED ZONE AHEAD/SPEED LIMIT SIGNS THAT ARE NOT WARRANTED, SHALL BE EITHER TEMPORARILY COVERED WITH OPAQUE MATERIAL OR REMOVED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE WORK ZONE TRAFFIC CONTROL ITEM.
12. THE CONTRACTOR SHALL PLACE W8-1 "BUMP" SIGNS, W8-2 "DIP" SIGNS, W8-8 "ROUGH ROAD" SIGNS AND/OR NYW4-5 "GROOVED PAVEMENT" SIGNS WHERE DIRECTED BY THE ENGINEER.

MAINTENANCE & PROTECTION OF TRAFFIC NOTES (CONT'D):

13. CONTRACTOR'S ATTENTION IS DIRECTED TO SUBSECTIONS 619-3.02 D&H AND 645-3.09 OF THE STANDARD SPECIFICATIONS. EXISTING TRAFFIC SIGNS AND CONSTRUCTION SIGNS WITHIN THE WORK AREA WHICH ARE NO LONGER NEEDED, EVEN TEMPORARILY, OR ARE CONFLICTING, INAPPROPRIATE OR CONFUSING, SHALL BE REMOVED (SUBJECT TO THE APPROVAL OF THE ENGINEER) OR SHALL BE COVERED COMPLETELY WITH AN OPAQUE MATERIAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.
14. WHERE NECESSARY, OR AS REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL UTILIZE FLAGGERS AT DRIVEWAYS TO CONTROL TRAFFIC ENTERING THE TRAVEL WAY AS PART OF ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.
15. WHERE EXCAVATIONS OR OTHER WORK OCCUR ON OR NEAR SIDEWALKS OR OTHER PEDESTRIAN WAYS, THE CONTRACTOR SHALL PROVIDE A SAFE AND ORDERLY PEDESTRIAN PASSAGE THAT COMPLIES WITH ADA STANDARDS AROUND OR THROUGH THE WORK AREA. THE PEDESTRIAN PASSAGE SHALL NOT SUBJECT PEDESTRIANS TO HAZARDS FROM TRAFFIC OR CONSTRUCTION OPERATIONS NOR CAUSE THE PEDESTRIANS TO WALK UPON UNSUITABLE OR HAZARDOUS SURFACES. CONSTRUCTION MATERIALS, VEHICLES, EQUIPMENT, DEBRIS, TEMPORARY SIGN SUPPORTS OR OTHER MATERIALS SHALL NOT BE PLACED OR STORED ON OPEN SIDEWALKS OR WALKWAYS UNLESS EXPRESSLY SHOWN IN THE CONTRACT DOCUMENTS OR APPROVED BY THE ENGINEER. UPON COMPLETION OF THE WORK AT EACH LOCATION, THE CONTRACTOR SHALL REMOVE ALL REMAINING MATERIAL AND EQUIPMENT AND SHALL LEAVE THE AFFECTED AREA(S) IN A NEAT CONDITION.
16. REQUIREMENTS FOR PORTABLE VARIABLE MESSAGE SIGNS: PORTABLE VARIABLE MESSAGE SIGNS SHALL BE PLACED AT MAJOR APPROACHES TO THE PROJECT, AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE MADE UNDER ITEM 619.110512. PORTABLE VARIABLE MESSAGE SIGNS WILL BE USED TO NOTIFY MOTORISTS AT LEAST TWO WEEKS IN ADVANCE OF THE ANTICIPATED START OF WORK DATE AT EACH LOCATION AND/OR, WHEN APPLICABLE THE ANTICIPATED START DATE OF EACH SUBSEQUENT STAGE THAT REQUIRES A NEW WORK ZONE TRAFFIC CONTROL PATTERN. THE PVMS SHALL REMAIN IN PLACE UNTIL ALL WORK IS COMPLETED AT A LOCATION OR IN A STAGE, OR AS DIRECTED BY THE ENGINEER.

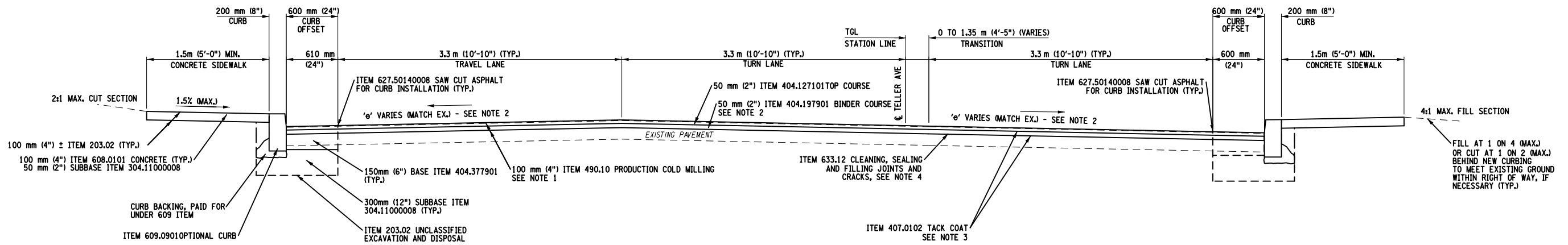
THE FOLLOWING IS A SUMMARY OF THE ANTICIPATED NEED FOR PORTABLE VARIABLE MESSAGE SIGNS ALTERNATE LOCATIONS MAY BE SUGGESTED BY THE CONTRACTOR, SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER:

- PVMS 1
LOCATION: WOLCOTT AVENUE (ROUTE 9D) APPROXIMATELY 500' EAST OF THE INTERSECTION WITH TELLE AVENUE
DURATION: FOR THE DURATION OF CONSTRUCTION
- PVMS 2
LOCATION: WOLCOTT AVENUE (ROUTE 9D) APPROXIMATELY 500' WEST OF THE INTERSECTION WITH TELLE AVENUE
DURATION: FOR THE DURATION OF CONSTRUCTION
- PVMS 3
LOCATION: MAIN STREET APPROXIMATELY 500' WEST OF THE INTERSECTION WITH FISHKILL AVENUE
- PVMS 4
LOCATION: VERPLANCK AVENUE APPROXIMATELY 500' WEST OF THE INTERSECTION WITH TELLER AVENUE
DURATION: FOR THE DURATION OF CONSTRUCTION

THE CONTRACTOR IS REMINDED THAT, IN ACCORDANCE WITH SECTION 619-3.10 OF THE STANDARD SPECIFICATIONS, PVMS WITH A PAY UNIT OF EACH SHALL BE RELOCATED OR REORIENTED, IF NECESSARY, UP TO FOUR (4) TIMES PER YEAR AS CONDITIONS DICTATE AT NOT ADDITIONAL COST TO THE CITY. STANDARD (TYPICAL) MESSAGES FOR PORTABLE VARIABLE MESSAGE SIGNS SHALL BE SUPPLIED TO THE CONTRACTOR BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT ANY UNIQUE MESSAGES TO THE ENGINEER FOR APPROVAL. REQUESTS FOR MESSAGE APPROVAL SHOULD ACCOMPANY THE SUBMISSION OF PLANS DETAILING THE SPECIFIC MPT LAYOUTS REQUESTED ELSEWHERE IN THESE M&PT NOTES.



WSP			CITY OF BEACON		
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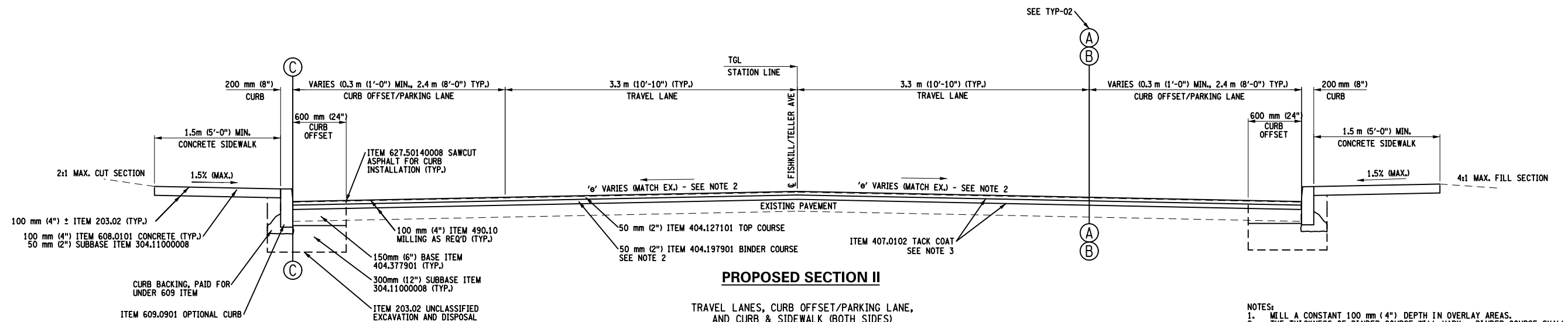


PROPOSED SECTION I

TRAVEL LANES, MEDIAN, AND CURB & SIDEWALK (BOTH SIDES)

APPROXIMATE LIMITS
STA. 1+000 TO 1+068

SCALE: N.T.S.



PROPOSED SECTION II

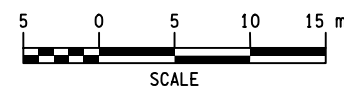
TRAVEL LANES, CURB OFFSET/PARKING LANE, AND CURB & SIDEWALK (BOTH SIDES)

APPROXIMATE LIMITS
STA. 1+068 TO 2+083

SCALE: N.T.S.

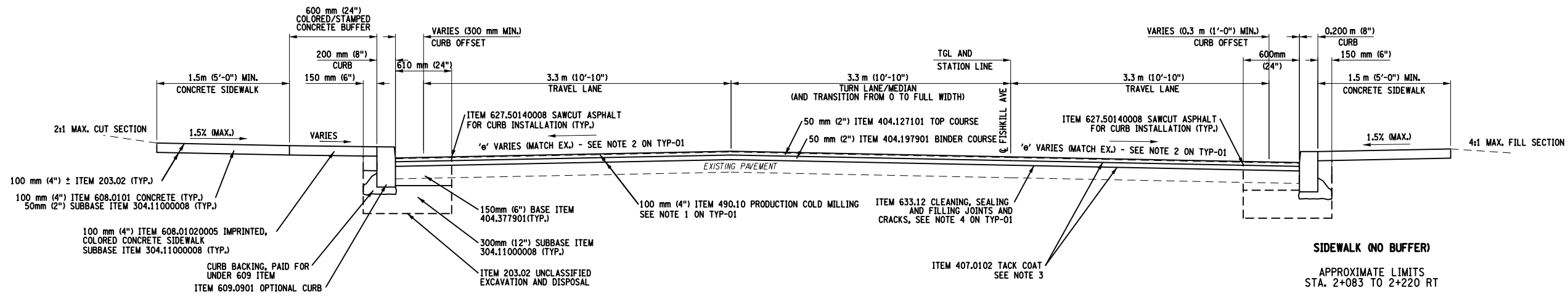
- NOTES:
- MILL A CONSTANT 100 mm (4") DEPTH IN OVERLAY AREAS.
 - THE THICKNESS OF BINDER COURSE WILL VARY. BINDER COURSE SHALL BE 50 mm (2") AT CURB IN NORMAL CROWN SECTIONS. BINDER COURSE SHALL BE USED TO ESTABLISH 2% CROSS SLOPE.
 - ITEM 407.0102, TACK COAT TO BE USED BETWEEN ALL OVERLAYING PAVEMENT COURSES.
 - ALL EXISTING TRANSVERSE JOINTS/CRACKS SHALL BE LOCATED PRIOR TO OVERLAYS UNDER ITEM 625.01 SURVEY AND STAKEOUT.
 - CLEAN EXISTING PAVEMENT AND SHOULDERS AS NECESSARY FOR ROADWAY CONSTRUCTION. PAY FOR WORK UNDER ITEM 633.11.

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SIDEWALK WITH BUFFER
 APPROXIMATE LIMITS
 STA. 2+158 TO 2+240 LT

PROPOSED SECTION III

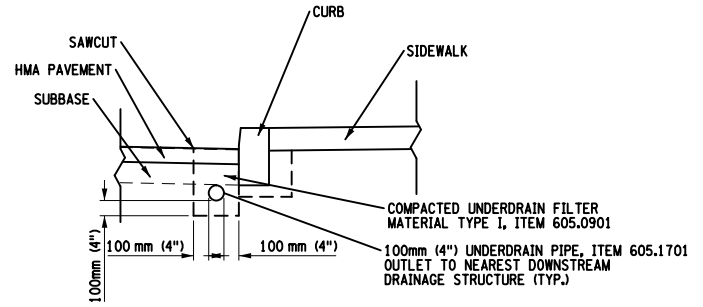
TRAVEL LANES AND MEDIAN
 APPROXIMATE LIMITS
 STA. 2+083 TO 2+270

NO SIDEWALK (SOUTH SIDE)
 APPROXIMATE LIMITS
 STA. 2+220 TO 2+270

NO BUFFER (NORTH SIDE)
 APPROXIMATE LIMITS
 STA. 2+083 TO 2+158

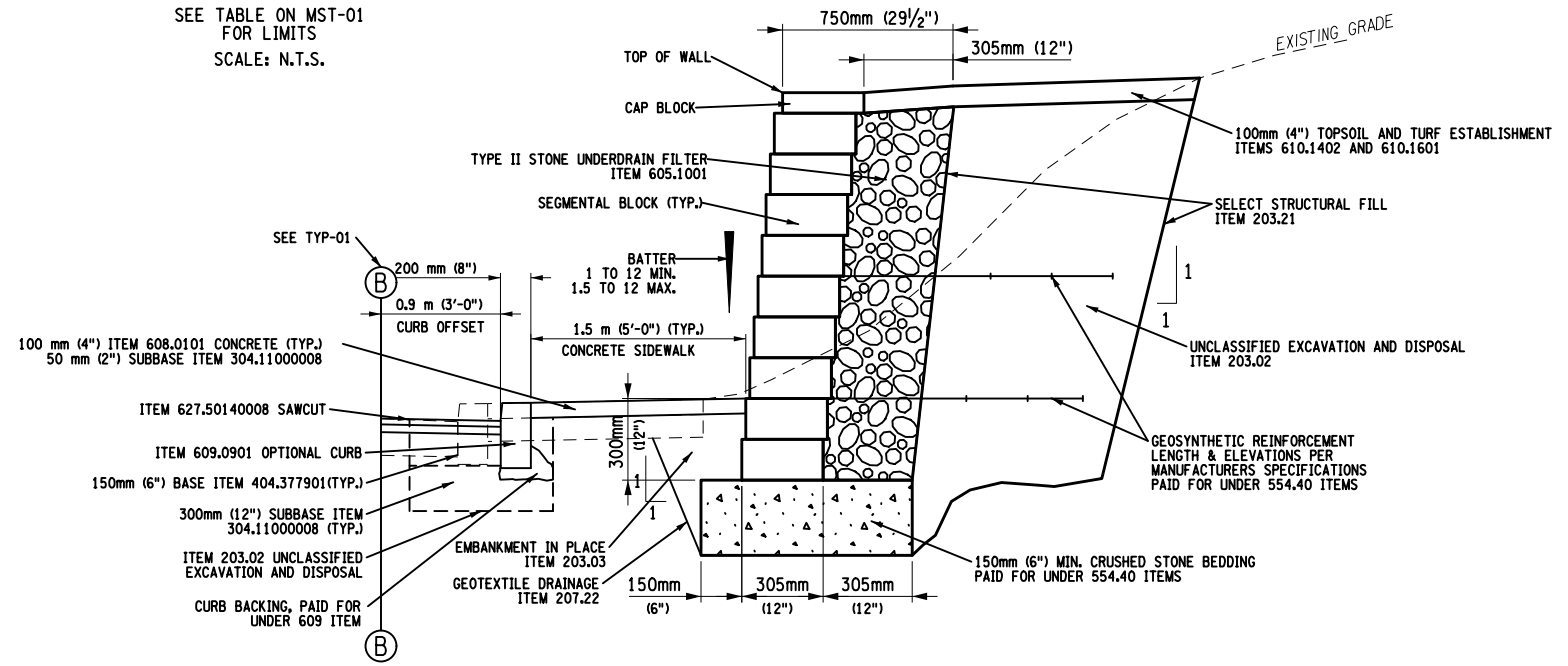
SCALE = N.T.S.

SIDEWALK (NO BUFFER)
 APPROXIMATE LIMITS
 STA. 2+083 TO 2+220 RT



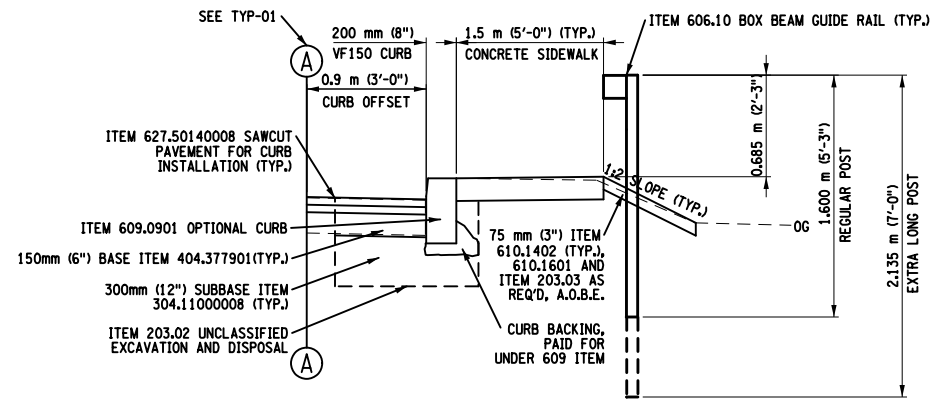
CURB WITH UNDERDRAIN

SEE TABLE ON MST-01
 FOR LIMITS
 SCALE: N.T.S.



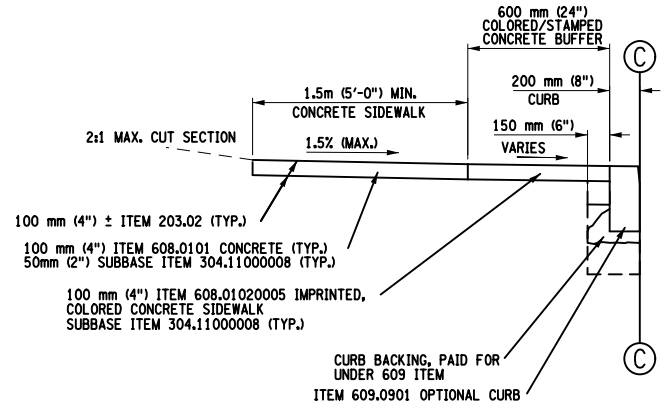
FILL TYPE RETAINING WALL TYPICAL SECTION
 ITEM 554.40

APPROXIMATE LIMITS
 STA. 1+255 TO 1+277 RT
 SCALE: N.T.S.



BOX BEAM GUIDE RAIL (RUSTIC)
 BEHIND TYPE VF150 CURB

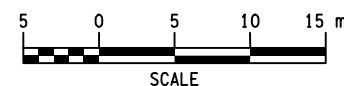
APPROXIMATE LIMITS
 STA. 1+385 TO 1+413 RT
 SCALE: N.T.S.



SIDEWALK WITH COLORED/IMPRINTED CONCRETE BUFFER STRIP

APPROXIMATE LIMITS
 STA. 1+598 TO 1+734 LT
 STA. 1+822 TO 2+083 LT

SCALE: N.T.S.



NOTES:
 1. SEE NOTES ON DWG. NO. TYP-01.

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 USER = DGN\$USERNAME



TABLE OF ROW ACQUISITIONS

Section	Block	Lot	Map	Parcel	First Name	Last Name	Address	Lot Size (AC)	TYPE	AREA (SM)	AREA (SF)	AREA (AC)	%	REMARKS
PIN 8757.80	5954	44	944642	1	LAJ Beacon	LLC	916 Wolcott Avenue	0.45	FEE	8.045	86.5957	0.0020	0.96%	Reconstruct curb radius and sidewalk
									PE	9.397	101.1485	0.0023		Sidewalk
	5954	44	929654	2	Cyrus	Vaughn	9 Teller Avenue	0.22	FEE	1.143	12.2999	0.0003	1.71%	Sidewalk
									PE	14.072	151.4730	0.0035		Sidewalk
	5954	44	941673	4	Nicholas	Spiak	25 Teller Avenue	0.12	PE	2.327	25.0476	0.0006	0.48%	Sidewalk
	5954	44	944677	5	29 TELLER AVENUE	LLC	29 Teller Avenue	0.12	FEE	17.230	185.4000	0.0043	6.34%	Sidewalk
									PE	13.550	145.8000	0.0033		Sidewalk
	5954	44	985708	6	Mari Ann	Corsi	281 Rombout Avenue	0.195	FEE	12.857	138.3937	0.0032	7.93%	Sidewalk + Retaining Wall
									PE	49.721	535.1924	0.0123		Retaining Wall Installation and Maintenance
	6054	29	002765	7	Felicia	McKeon	111 Teller Avenue	0.11	FEE	3.908	42.0675	0.0010	0.88%	Sidewalk
6054	29	015786	8	Beacon 403	LLC	403 Main Street	0.13	FEE	36.147	389.0831	0.0089	6.87%	Sidewalk	
PIN 8757.30	6054	29	023801	9	RCU	Inc.	145 Fishkill Avenue	0.20	FEE	5.196	55.9293	0.0013	2.29%	Reconstruct curb radius and sidewalk
									TE	13.335	143.5367	0.0033		Work Area and Sign Relocation
	6054	29	030795	10	Beacon United	LLC	390 Main Street	0.14	FEE	21.345	229.7557	0.0053	4.40%	Sidewalk
									PE	3.558	38.3023	0.0009		Driveway
	6054	29	018818	11	The Salvation	Army	372 Main Street	0.60	PE	5.758	61.9743	0.0014	0.24%	Sidewalk/Driveway
	6054	29	030846	14	City of Beacon	Housing Authority	31 Eliza Street	1.50	PE	10.430	112.2708	0.0026	0.17%	Sidewalk
	6054	29	041858	15	Sandra	Ahern	183 Fishkill Avenue	0.26	PE	6.971	75.0384	0.0017	0.66%	Sidewalk/Driveway
	6054	29	047864	16	Emily	De Cordova	189 Fishkill Avenue	0.30	PE	2.075	22.3362	0.0005	0.17%	Sidewalk/Driveway
	6054	29	077861	18	Patricia L	Mansperger	202 Fishkill Avenue	0.48	FEE	6.491	69.8664	0.0016	0.33%	Sidewalk/Driveway
	6054	29	076868	19	Luis	Yanqui	212 Fishkill Avenue	0.11	FEE	8.171	87.9551	0.0020	1.84%	Sidewalk/Driveway
6054	22	129896	21	Daniel & Chelsea	Fogal	256 Fishkill Avenue	0.08	FEE	2.075	22.3362	0.0005	0.64%	Sidewalk	
6054	21	118908	22	Douglas	Lyons	5 Lincoln Avenue	0.35	PE	0.704	7.5778	0.0002	0.05%	Sidewalk	
6054	22	130914	24	Edward Jr. & Amanda	Simons	263 Fishkill Avenue	0.14	FEE	13.564	146.0038	0.0034	4.08%	Sidewalk/Widening	
								TE	9.543	102.7178	0.0024		Reset CL Fence	
6054	22	139917	25	Karen	Clark	269 Fishkill Avenue	0.11	FEE	22.498	242.1697	0.0056	5.05%	Sidewalk/Widening	
6054	22	146921	26	The Schmidt	Living Trust	277 Fishkill Avenue	0.26	FEE	48.565	522.7536	0.0120	4.62%	Sidewalk/Driveway/Widening	
6054	22	152924	27	KJAM	LLC	283 Fishkill Avenue	0.13	FEE	15.316	164.8622	0.0038	2.91%	Sidewalk/Driveway/Widening	
6054	22	165913	28	Edward	Williams, Jr.	290 Fishkill Avenue	0.17	PE	0.579	6.2269	0.0001	0.08%	Sidewalk	

			CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: RWT-01
PE DB	DE SM	PM DW	ROW ACQUISITION TABLE	SCALE: AS SHOWN
				SHEET 12 OF 64

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6" PERFORATED UNDERDRAIN LOCATION TABLE							
SHARE	PLAN LOCATION	SIDE	APPROXIMATE STATION START	APPROXIMATE STATION END	LENGTH (METERS)	LENGTH (FEET)	CONNECTING STRUCTURE
SHARE 1	DUP-03	WEST	1+375	1+405	30	98	DR-20
	DUP-03	WEST	1+448	1+415	33	108	DR-22
	DUP-03	WEST	1+455	1+450	5	16	DR-23
	DUP-02	WEST	1+218	1+217	1	3	DR-24
	DUP-03	WEST	1+470	1+475	5	16	DR-31
	DUP-03 / 04	WEST	1+535	1+475	80	197	DR-31
	DUP-04	WEST	1+538	1+534	4	13	DR-34
	DUP-03	EAST	1+385	1+400	35	115	DR-19
	DUP-03	EAST	1+457	1+402	55	180	DR-19
	DUP-03	EAST	1+484	1+480	4	13	DR-24
	DUP-03	EAST	1+472	1+481	9	30	DR-32
	DUP-03 / 04	EAST	1+538	1+481	57	187	DR-32
	SHARE 2	DUP-07	NORTH	2+080	2+142	62	203
DUP-07		NORTH	2+150	2+143	7	23	DR-67
DUP-07		NORTH	2+155	2+182	27	89	DR-77
DUP-07		NORTH	2+229	2+183	46	151	DR-77
DUP-07		SOUTH	2+080	2+182	102	335	DR-72
DUP-07		SOUTH	2+185	2+183	2	7	DR-73
TOTAL LENGTH					544	1784	

MAINTENANCE JURISDICTION TABLE					
PART NO.	ROADWAY	LIMITS	FEATURES TO BE MAINTAINED	AGENCY	JURISDICTION
1	TELLER AVENUE (SR 52)	STA. 1+010 TO STA. 1+542	ALL ROADWAY FEATURES INCLUDING SNOW REMOVAL	CITY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81
2	FISHKILL AVENUE (SR 52)	STA. 1+542 TO STA. 1+597	ALL ROADWAY FEATURES INCLUDING SNOW REMOVAL	CITY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81
3	WOLCOTT AVENUE (SR 9D)	WITHIN PROJECT LIMITS	ALL ROADWAY FEATURES INCLUDING SNOW REMOVAL	NYSDOT	HIGHWAY LAW SEC. 12
4	FISHKILL AVENUE (SR 52)	STA. 1+542 TO STA. 1+597	ALL ROADWAY FEATURES INCLUDING NEW TRAFFIC SIGNAL AND SNOW REMOVAL	CITY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81
5	FISHKILL AVENUE (SR 52)	STA. 1+542 TO STA. 1+597	ALL ROADWAY FEATURES INCLUDING NEW TRAFFIC SIGNAL AND SNOW REMOVAL	CITY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81
6	FISHKILL AVENUE (SR 52)	STA. 1+542 TO STA. 1+597	ALL ROADWAY FEATURES INCLUDING SNOW REMOVAL	CITY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81

			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: MST-02
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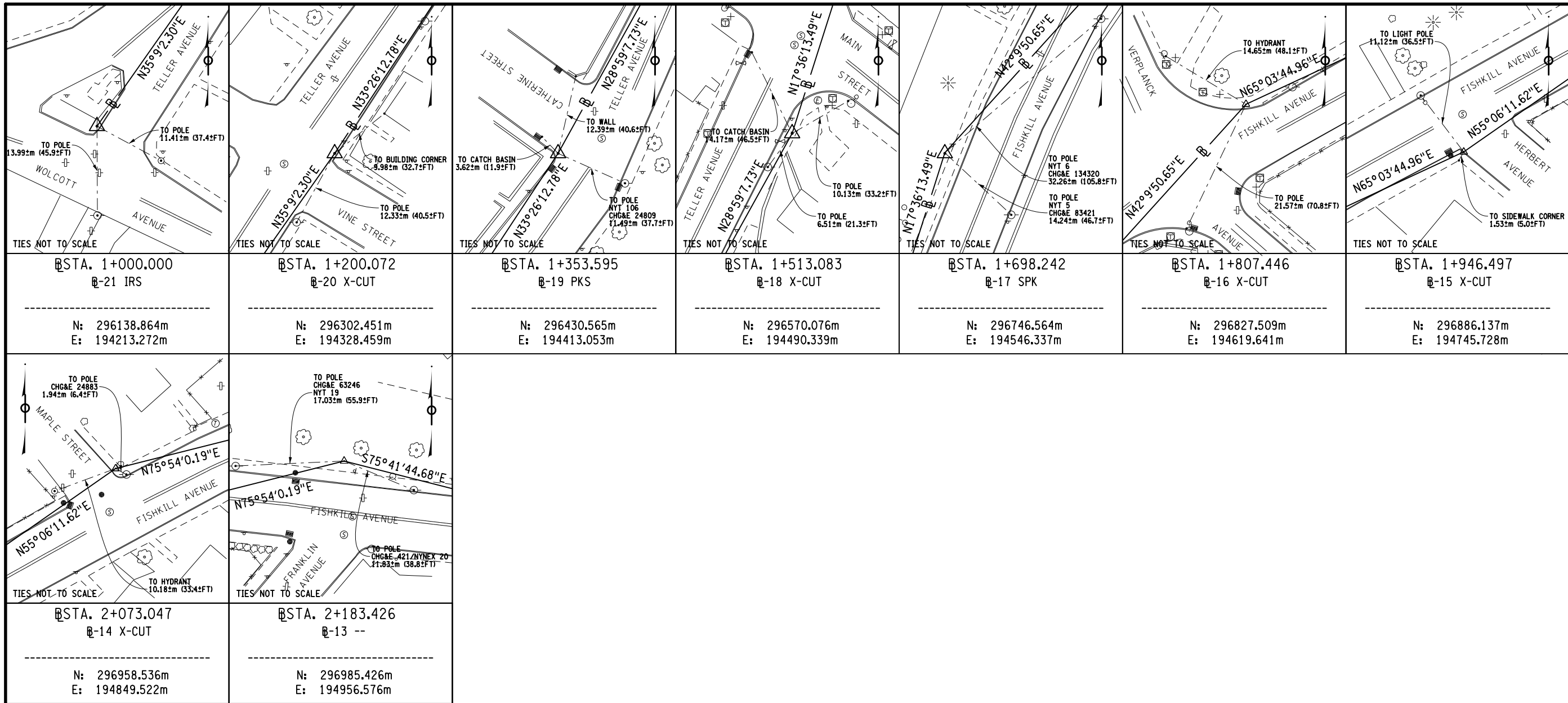


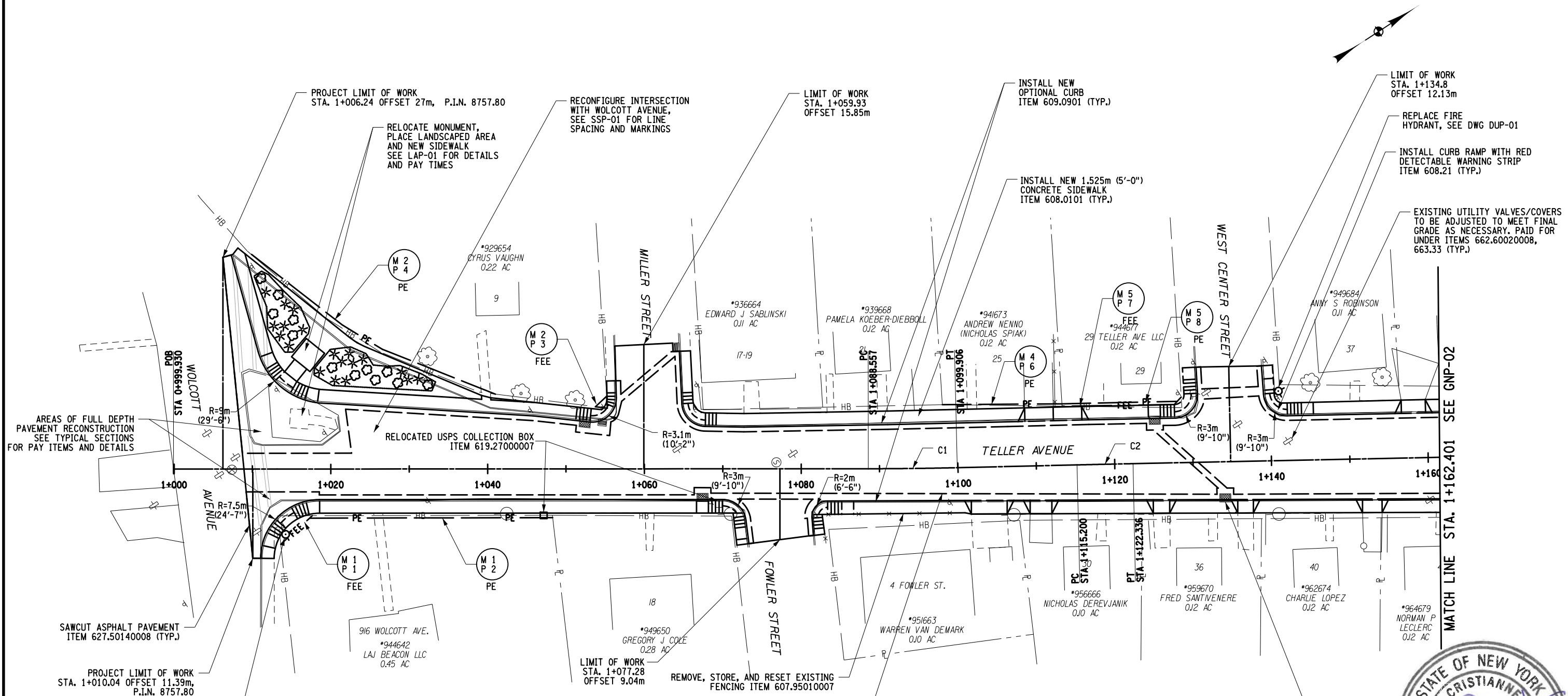
TABLE OF VERTICAL CONTROL				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
21	296138.864	194213.272	49.611	IRS
20	296302.451	194328.459	44.670	X-CUT
19	296430.565	194413.053	40.758	PKS
18	296570.076	194490.339	43.448	X-CUT
17	296746.564	194546.337	46.681	SPK
16	296827.509	194619.641	49.843	X-CUT
15	296886.137	194745.728	46.507	X-CUT
14	296958.536	194849.522	42.960	X-CUT
13	296985.426	194956.576	42.365	--

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			CITY OF BEACON		
DATE: OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: BLT-01
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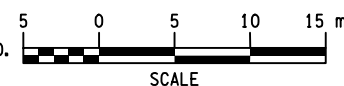


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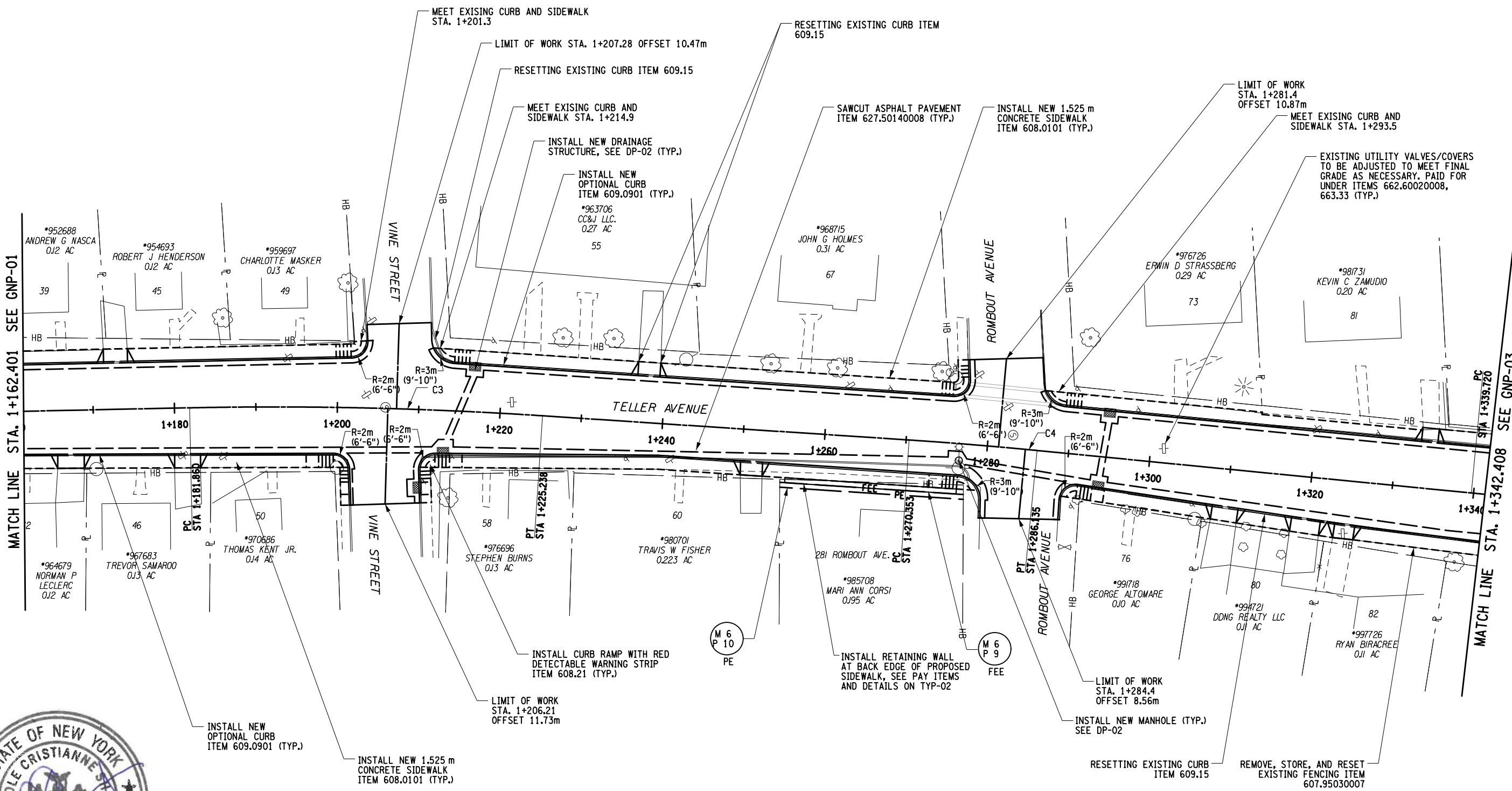
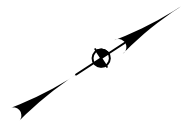
- ALL WORK TO BE PERFORMED UNDER THIS CONTRACT WILL BE WITHIN THE PUBLIC RIGHT-OF-WAY (ROW), INCLUDING PERMANENT EASEMENTS AND TEMPORARY EASEMENTS SPECIFIC TO THIS PROJECT. THE CONTRACTOR IS TO ASSURE HIMSELF THAT ALL WORK IS BEING PERFORMED WITHIN THE ROW, INCLUDING BUT NOT LIMITED TO VEHICLE ACCESS; STORAGE OF EQUIPMENT, MATERIALS, DEBRIS AND WASTE; LANDSCAPING; VEGETATION REMOVAL AND MANAGEMENT; GRADING, SEEDING AND THE INSTALLATION OF TURF; AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIER. IF THE CONTRACTOR IS UNABLE TO IDENTIFY THE LIMITS OF THE RIGHTS-OF-WAY WHEN THE CONTRACT CALLS FOR WORK IN THOSE VICINITIES, THE CONTRACTOR MUST CONTACT THE CITY FOR DEFINITIVE BOUNDARY DETERMINATIONS BEFORE ANY WORK MAY BE INITIATED AT THOSE LOCATIONS. RELEASES FOR ANY NON-ESSENTIAL CONTRACT WORK OUTSIDE OF THE EXISTING RIGHTS-OF-WAY, INCLUDING PLANTINGS, LANDSCAPING OR DRIVEWAY ENHANCEMENT, WILL BE PROVIDED BY THE CITY AND IN NO INSTANCES ARE TO BE SECURED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT INVADE UPON PRIVATE PROPERTIES, LANDS OR BUILDINGS OUTSIDE THE RIGHTS-OF-WAY FOR ANY REASON WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE PROPERTY OWNER. THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES DONE. ANY SUCH INJURIES OR DAMAGES SHALL BE SATISFACTORILY REPAIRED OR ITEMS REPLACED AT THE CONTRACTOR'S EXPENSE.

NOTES (CONT'D):

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL ELEVATIONS AND DIMENSIONS TO ENSURE THAT WHERE EXISTING CURB RAMPS ARE BEING REPLACED, THE FINAL LAYOUT OF CURB RAMPS, TURNING SPACES, CLEAR SPACES, SIDE FLARES, DETECTABLE WARNING UNITS, AND CURB INSTALLATIONS MEET ADA REQUIREMENTS PRIOR TO POURING CONCRETE AND PLACING ASPHALT OR PAVERS. THE SURVEY WORK NECESSARY TO MEET THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF ITEM 625.01 - SURVEY DEPRATIONS.
- IN THIS MILLING AND OVERLAY PROJECT, THE PROPOSED ROADWAY SHALL BE INSTALLED AS PER THE TYPICAL SECTION, MEETING GRADES AND CROSS SLOPES. THERE MAY BE AREAS ALONG THE CURB IN WHICH PROPOSED ROADWAY ELEVATIONS MAY DIFFER SLIGHTLY FROM THE EXISTING. SHOULD ADJUSTMENT OF GAS VALVES BE REQUIRED, CONTRACTOR SHALL NOTIFY CENTRAL HUDSON GAS AND ELECTRIC (CHG&E), WHO WILL PREFORM THE WORK. CHG&E WILL REQUIRE 6 WEEKS TO PREFORM THIS WORK UPON NOTIFICATION. ADJUSTMENTS TO WATER VALVES IF REQUIRED, SHALL BE PREFORMED BY THE CONTRACTOR AND PAID UNDER ITEM 663.33. A QUANTITY OF 99 IS ASSUMED FOR THIS PROJECT. DUE TO THEIR CONDITION, ALL SEWER MANHOLES WITHIN THE PROPOSED CONSTRUCTION THAT ARE NOT BEING REPLACED SHALL BE ALTERED, ITEM 662.6200010. DRAINAGE STRUCTURES SHALL BE ALTERED, ADJUSTED, OR REPLACED AS PER THE DRAINAGE AND UTILITY PLANS (DUP SERIES OF DRAWINGS).



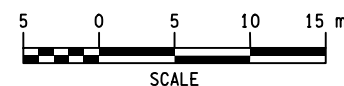
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DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: GNP-01
PE DB	DE SM	PM DW	GENERAL PLANS	SCALE: AS SHOWN
				SHEET 17 OF 64



MATCH LINE STA. 1+162.401 SEE GNP-01

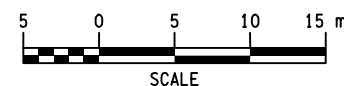
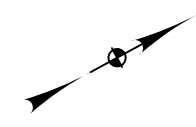
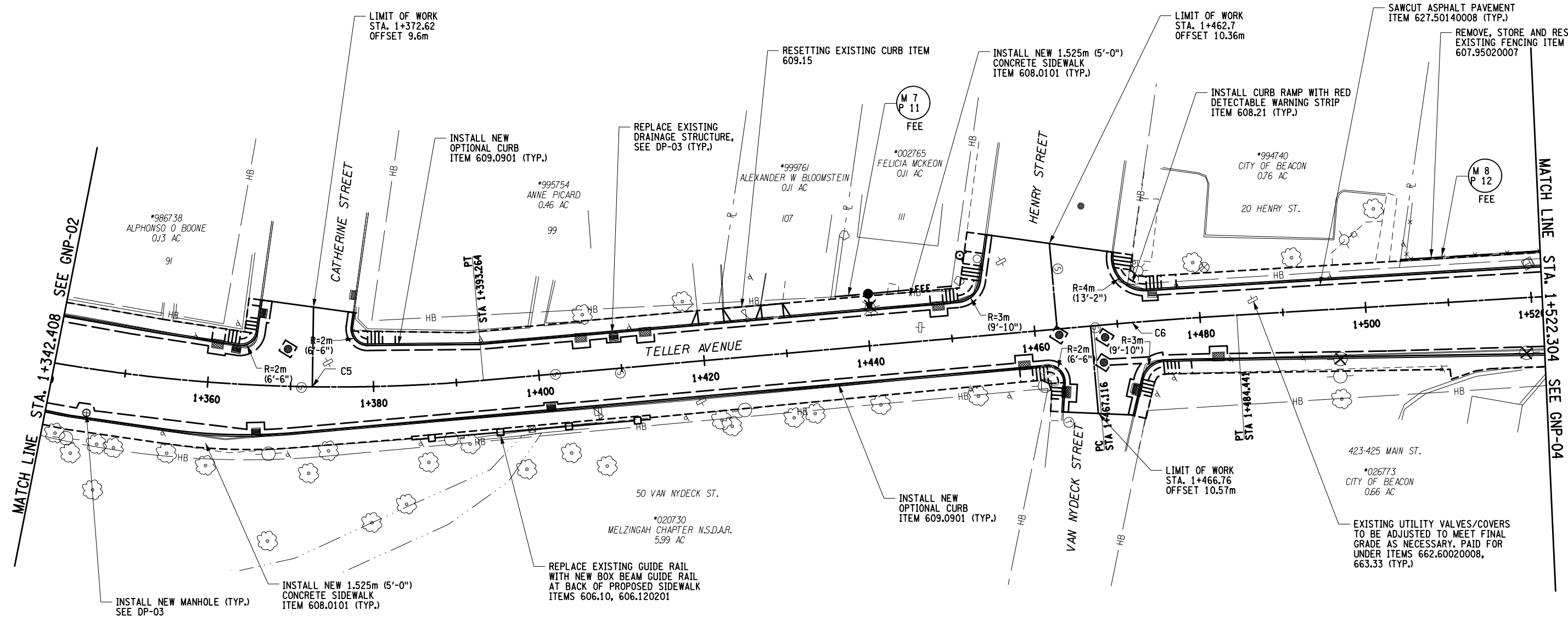
MATCH LINE STA. 1+342.408 SEE GNP-03

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			CITY OF BEACON		
DATE: OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: GNP-02
PE DB	DE SM	PM DW	GENERAL PLANS		SCALE: AS SHOWN
					SHEET 18 OF 64

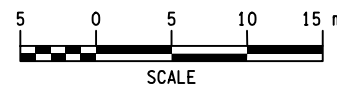
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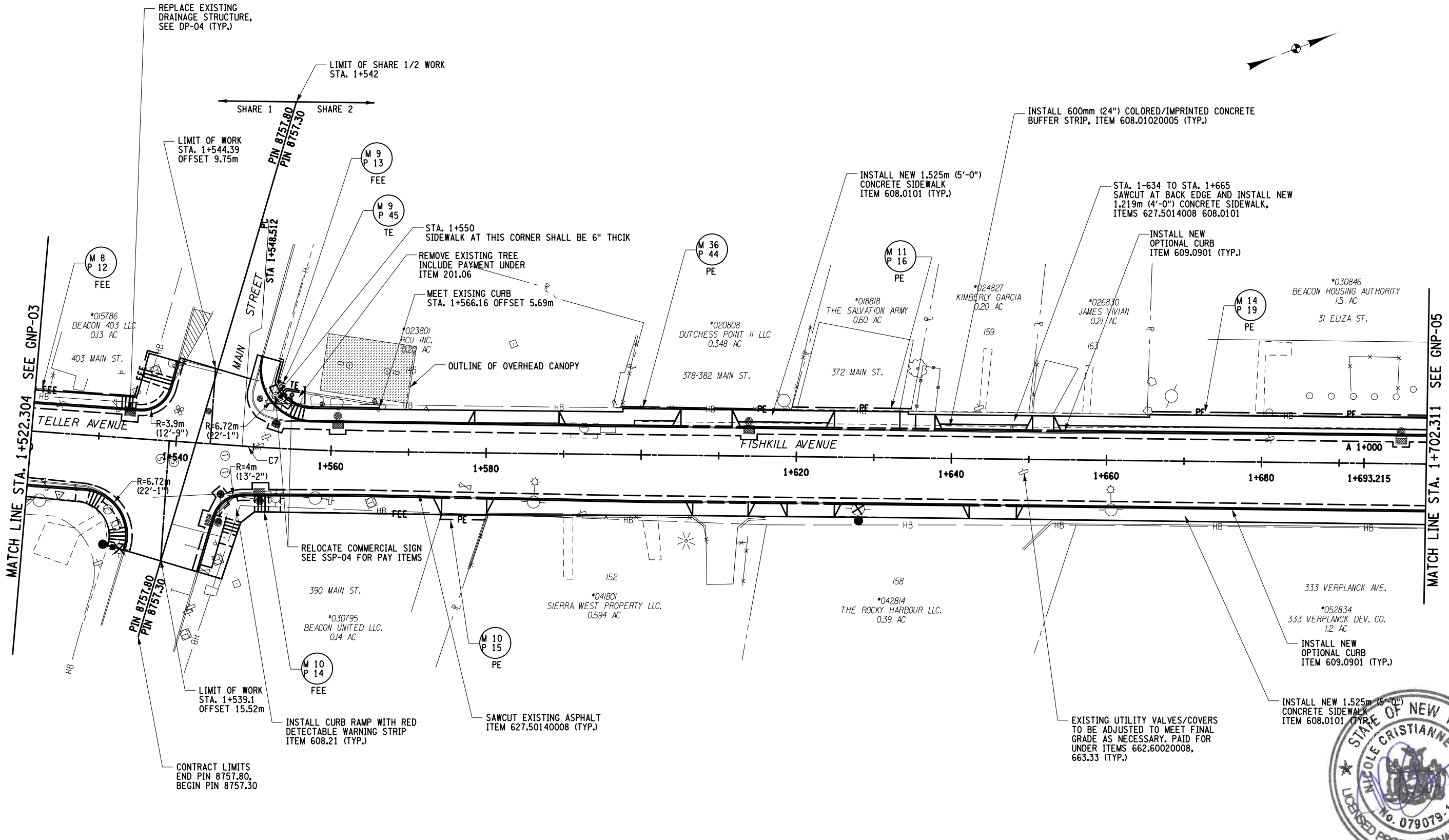
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DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: GNP-03
PE DB	DE SM	PM DW	SCALE: AS SHOWN		SHEET 19 OF 64

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NOTES:
 1. TRAFFIC SIGNAL AT MAIN STREET AND FISHKILL/TELLER AVENUES PREVIOUSLY UPGRADED UNDER PIN 8758.44

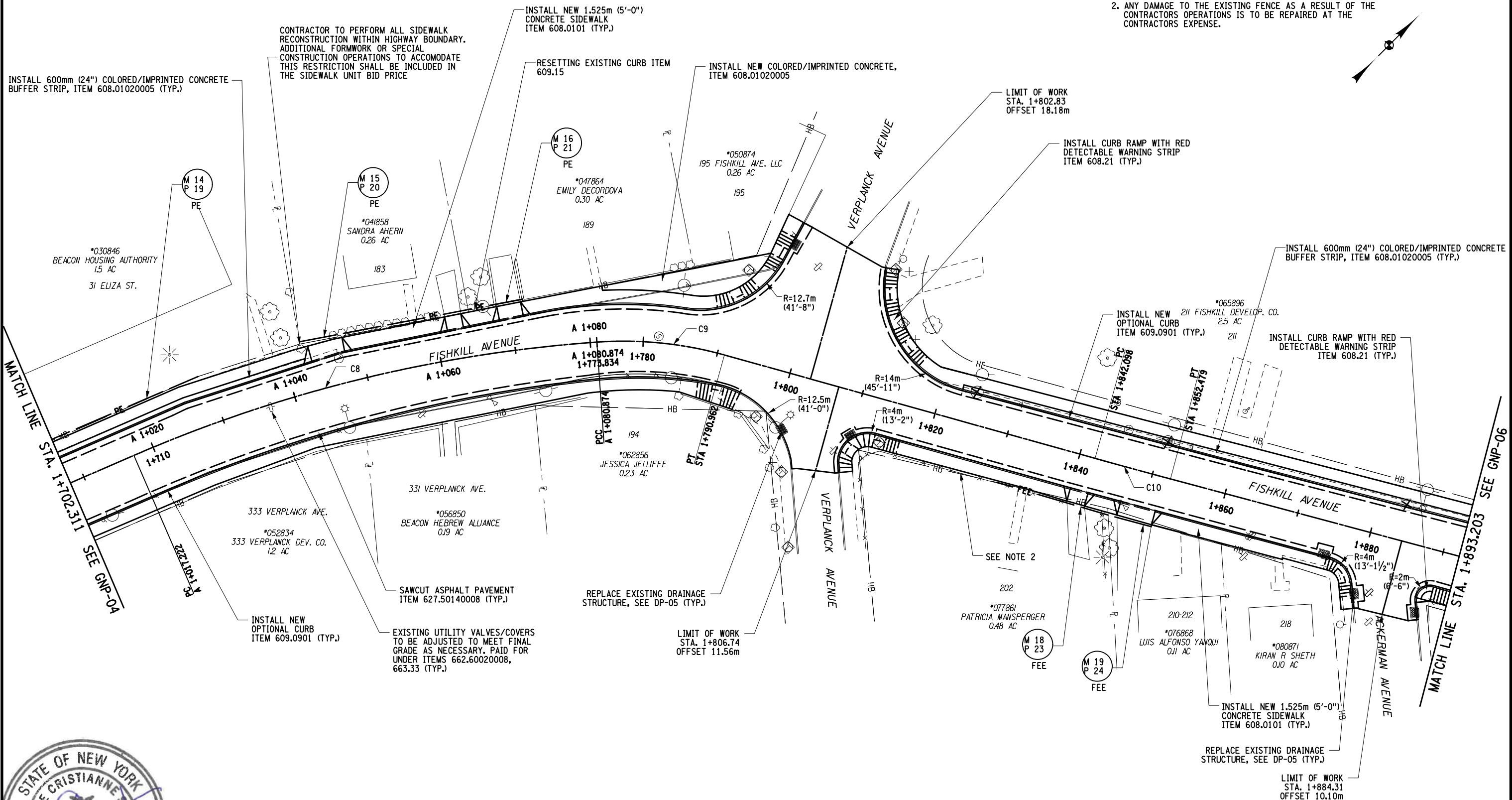
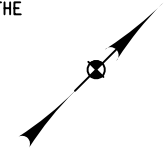


			CITY OF BEACON	
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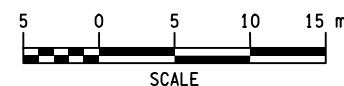


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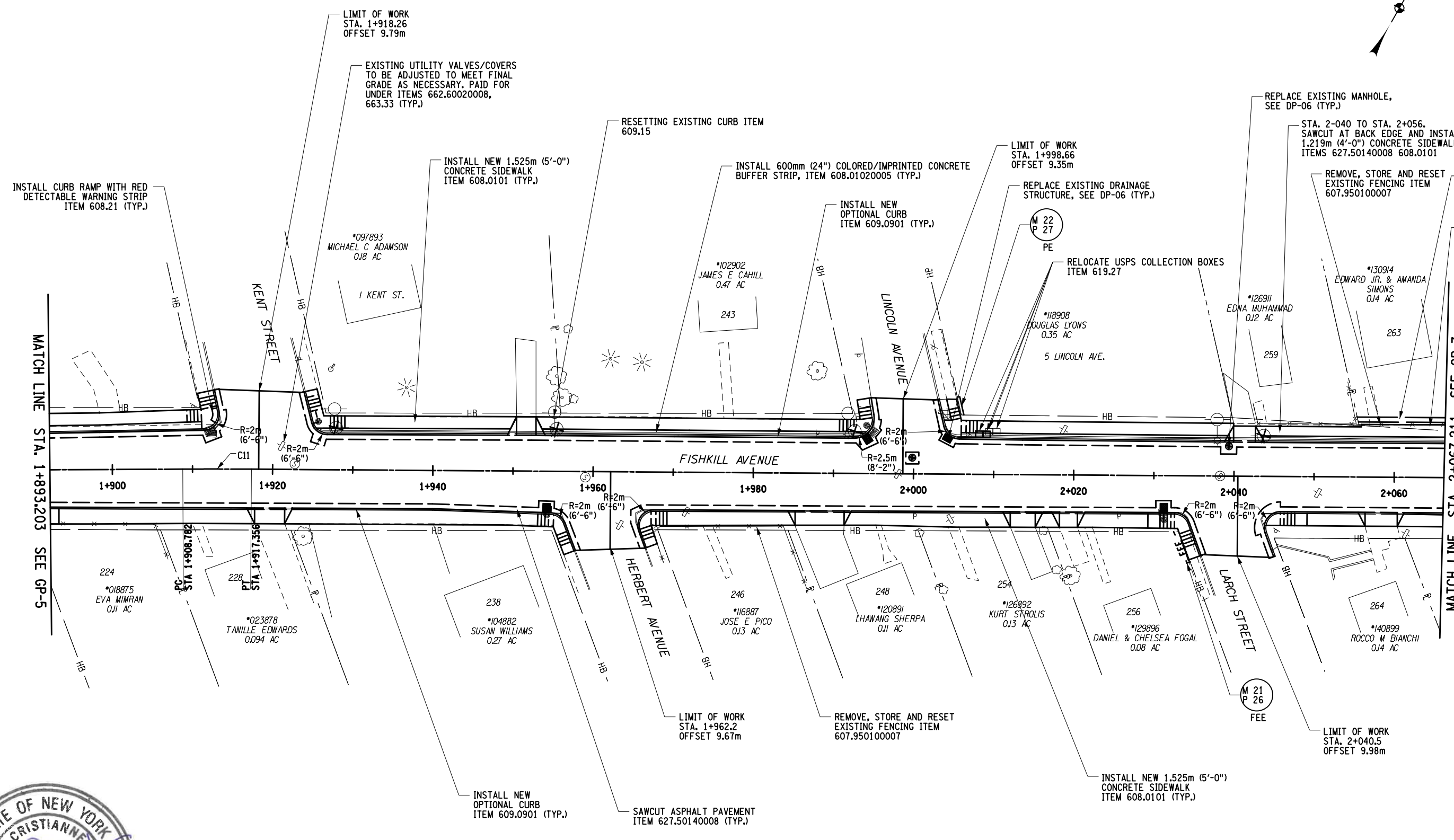
1. VERPLANCK AVE INTERSECTION PREVIOUSLY UPGRADED UNDER PINS 8757.55 AND 8758.44
2. ANY DAMAGE TO THE EXISTING FENCE AS A RESULT OF THE CONTRACTORS OPERATIONS IS TO BE REPAIRED AT THE CONTRACTORS EXPENSE.



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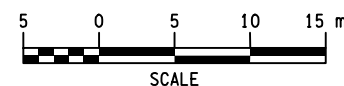
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				DATE: OCTOBER 2023	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES
PE DB	DE SM	PM DW	GENERAL PLANS	SCALE: AS SHOWN	SHEET 21 OF 64



MATCH LINE STA. 1+893.203 SEE GP-5

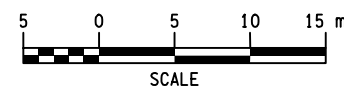
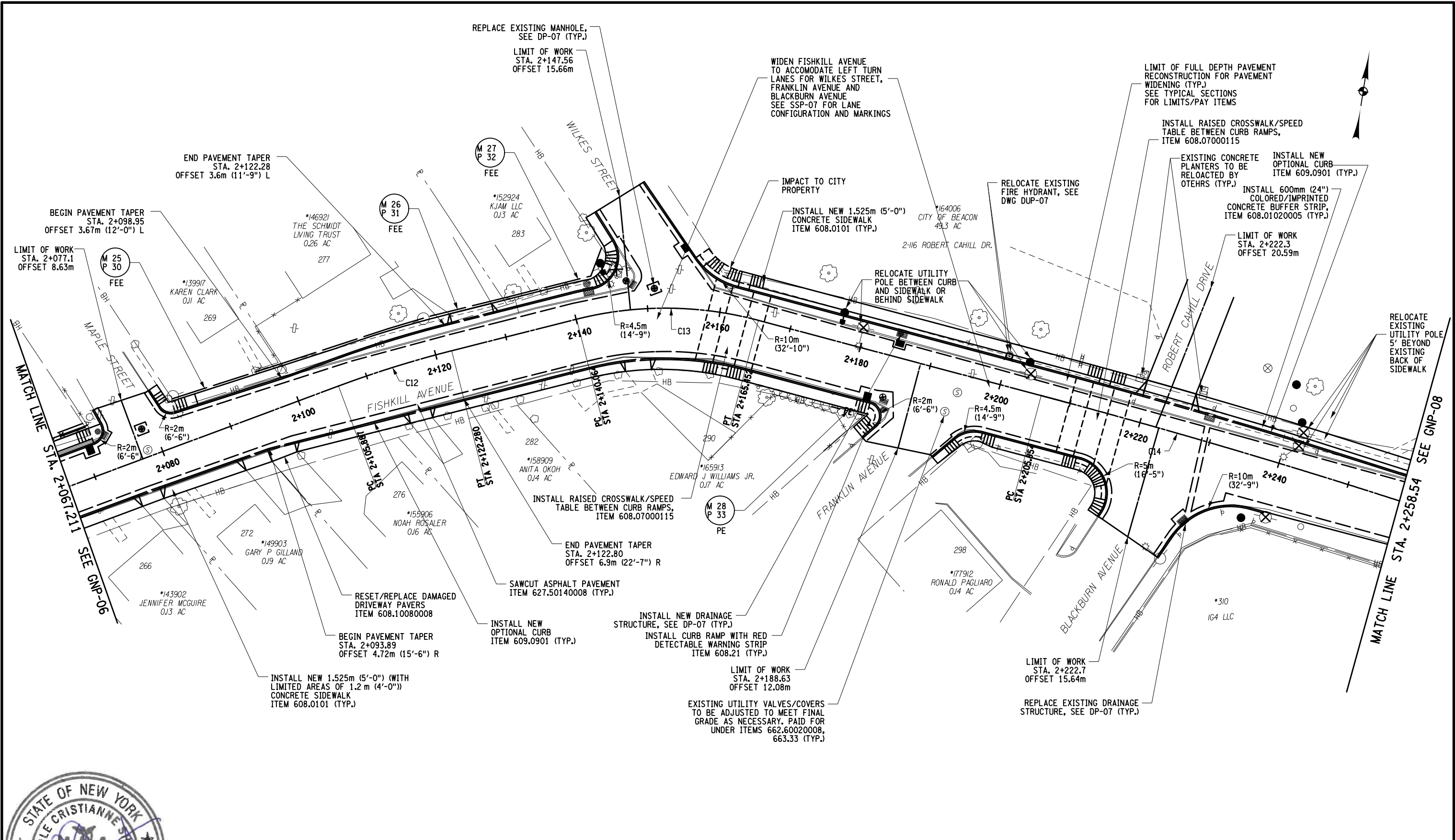
MATCH LINE STA. 2+067.211 SEE GP-7

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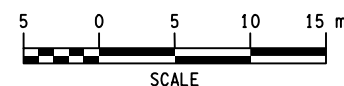
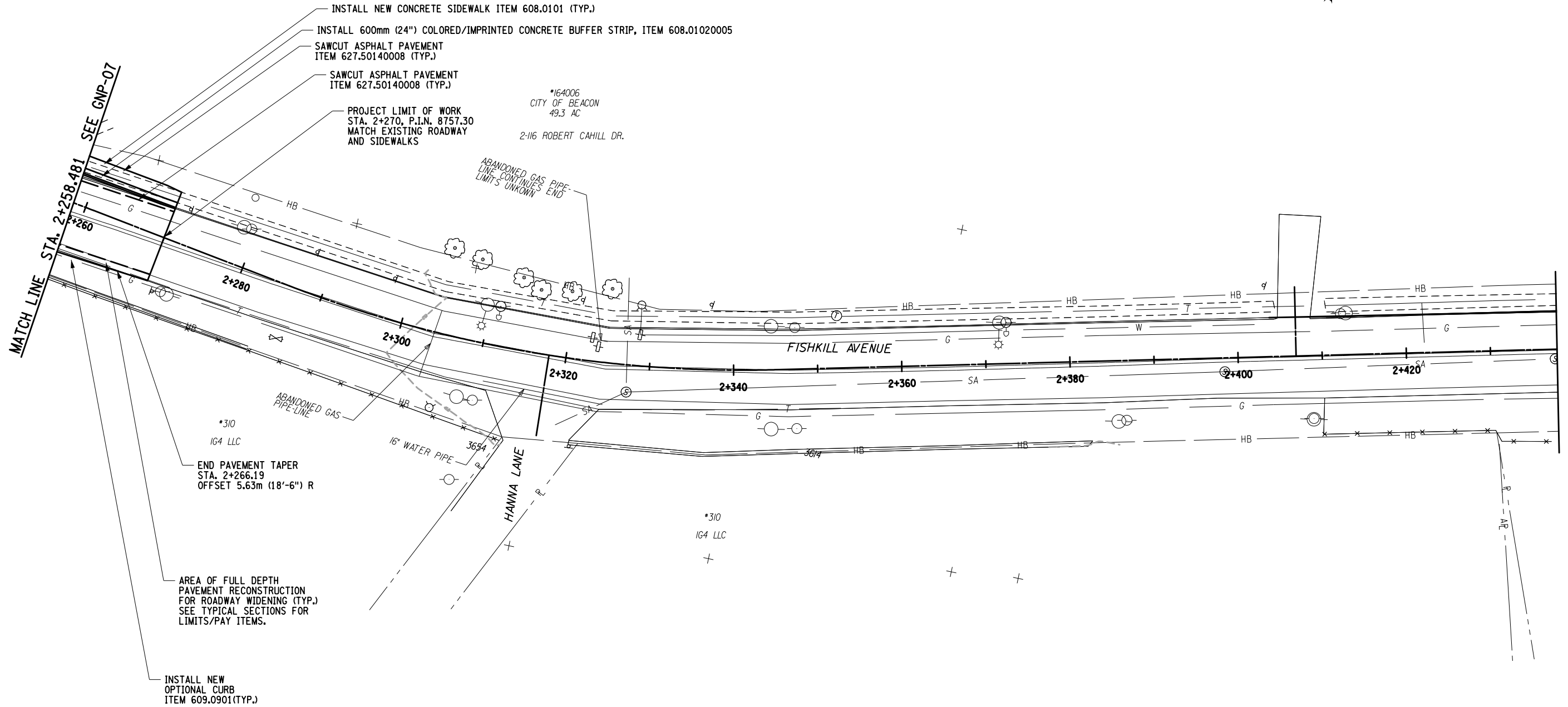
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DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	
PE DB	DE SM	PM DW	NO: GNP-06
GENERAL PLANS			SCALE: AS SHOWN
			SHEET 22 OF 64

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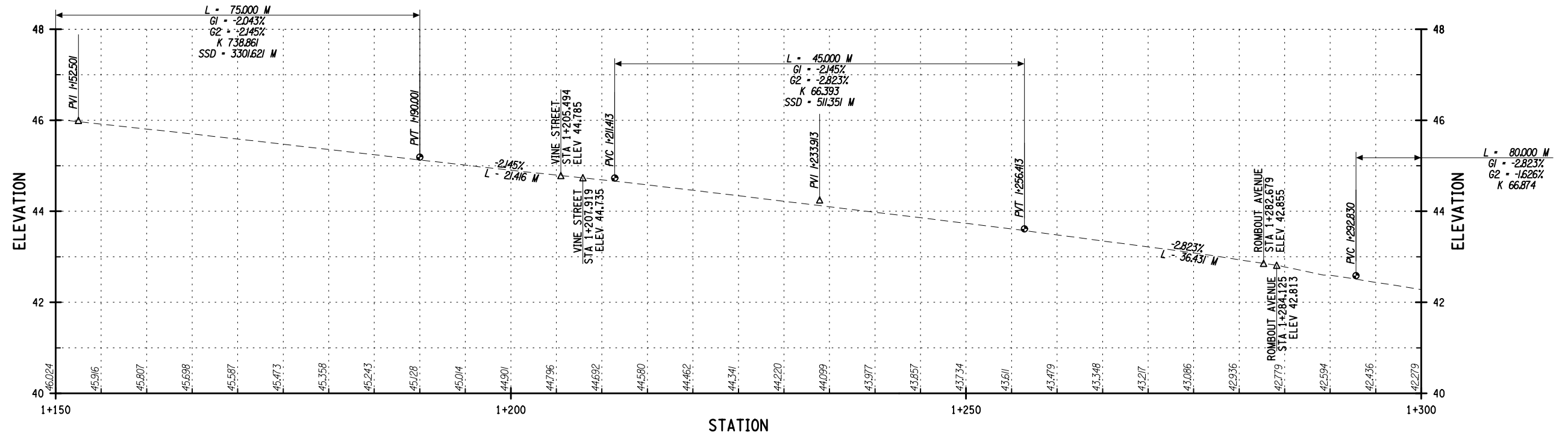
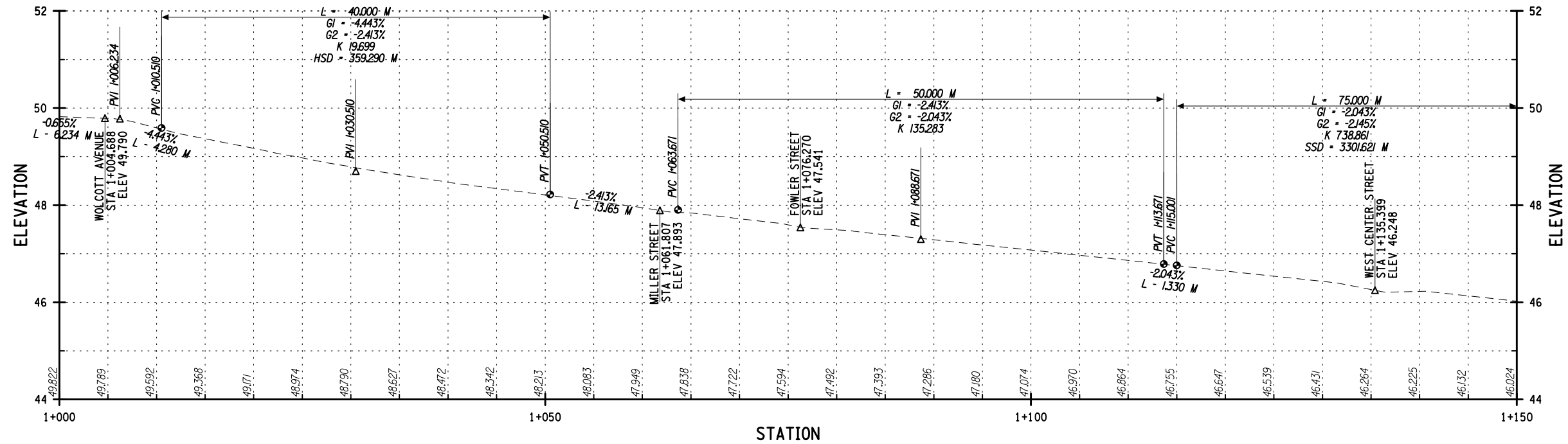
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GENERAL PLANS			SCALE: AS SHOWN
			SHEET 23 OF 64

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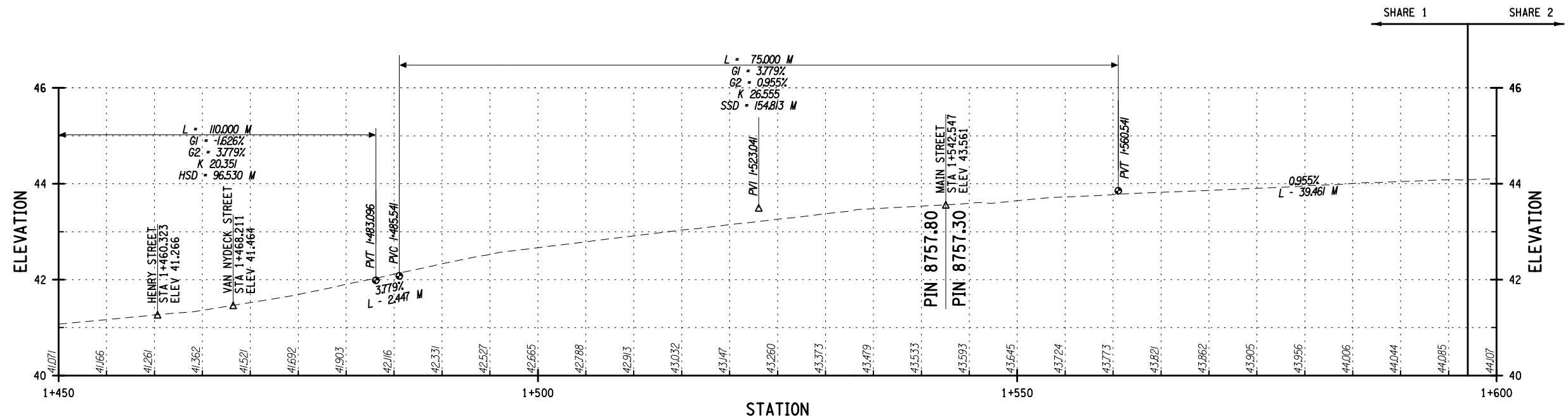
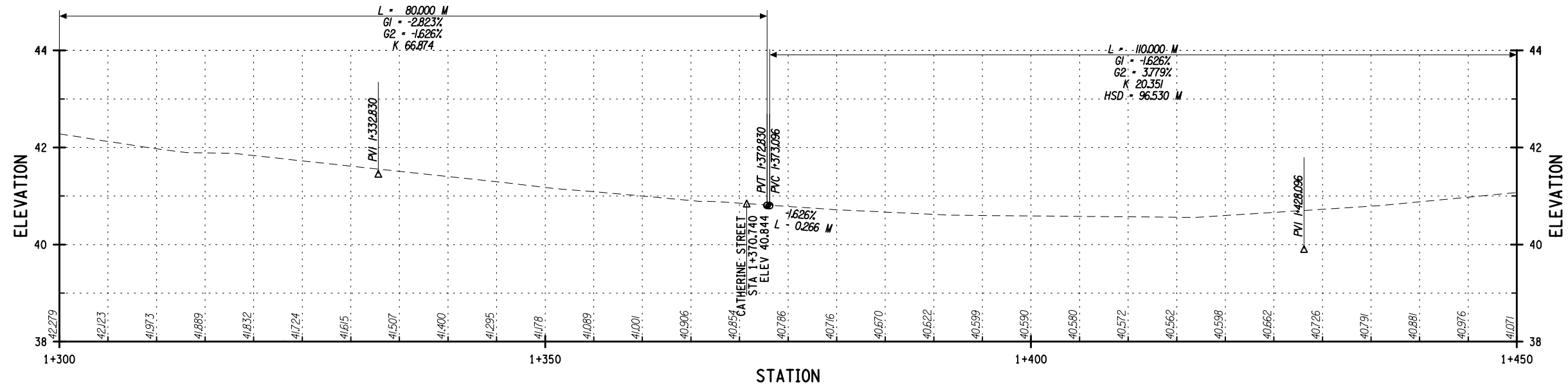
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PE DB	DE SM	PM DW	GENERAL PLANS	SCALE: AS SHOWN SHEET 24 OF 64

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NOTE (FOR PRO-1 TO PRO-11):
 MILL AND REPLACE EXISTING PAVEMENT SURFACE AS SHOWN IN THE GENERAL PLANS EXCEPT WHERE FULL DEPTH RECONSTRUCTION IS REQUIRED. EXISTING ELEVATIONS, GRADES, AND CURVE DATA ARE PROVIDED FOR REFERENCE ONLY.

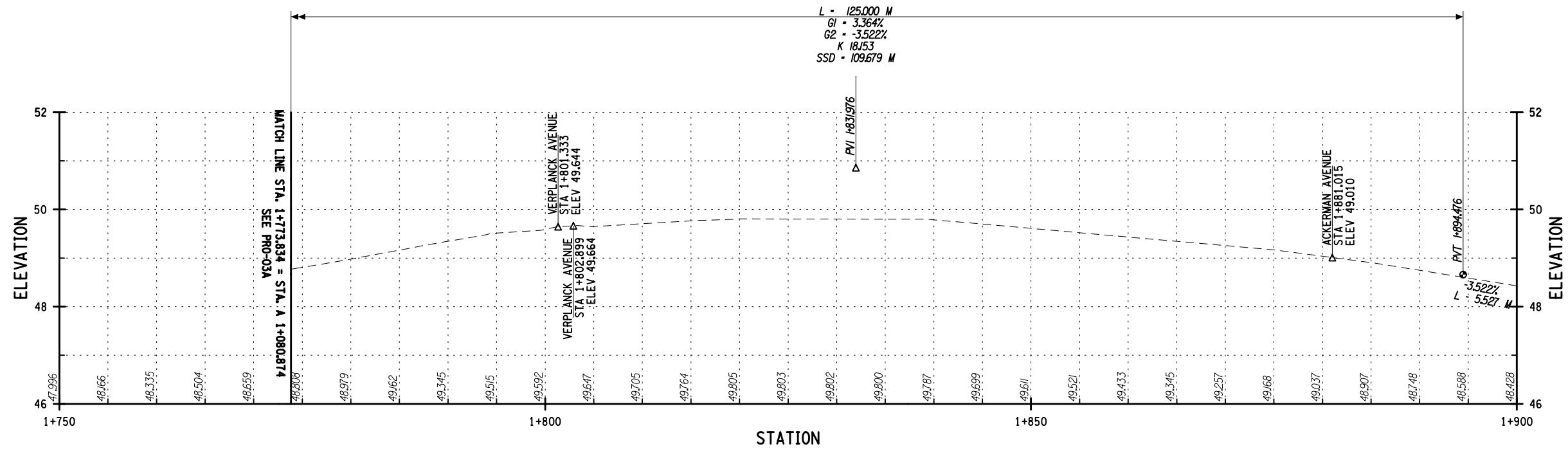
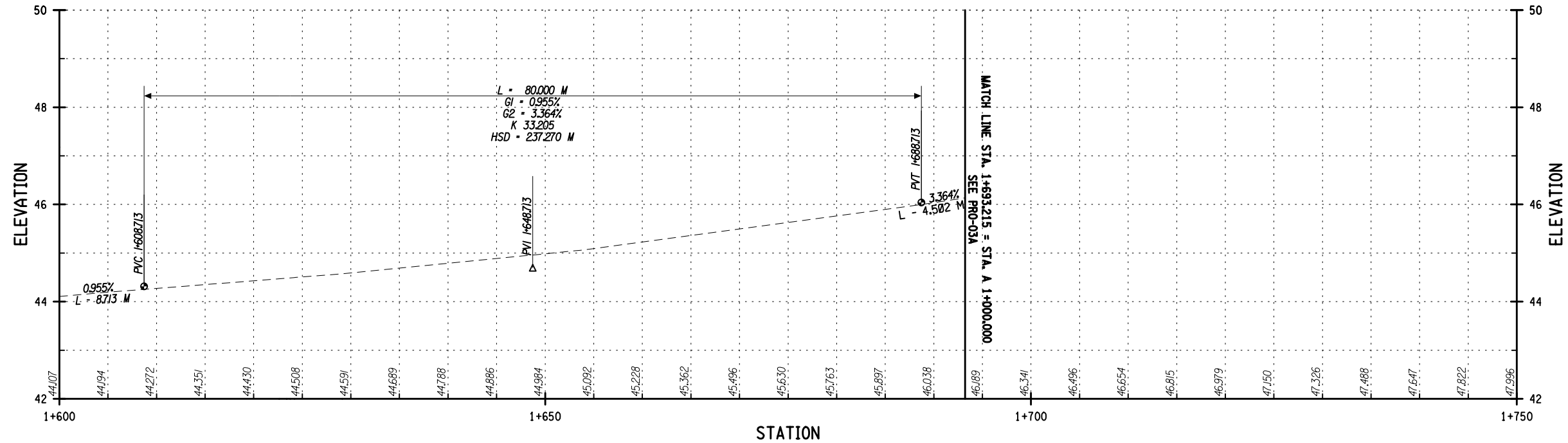
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DATE: OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	
PE	DB	DE	SM	PM
SCALE: AS SHOWN			SHEET 25 OF 64	



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			CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PRO-02
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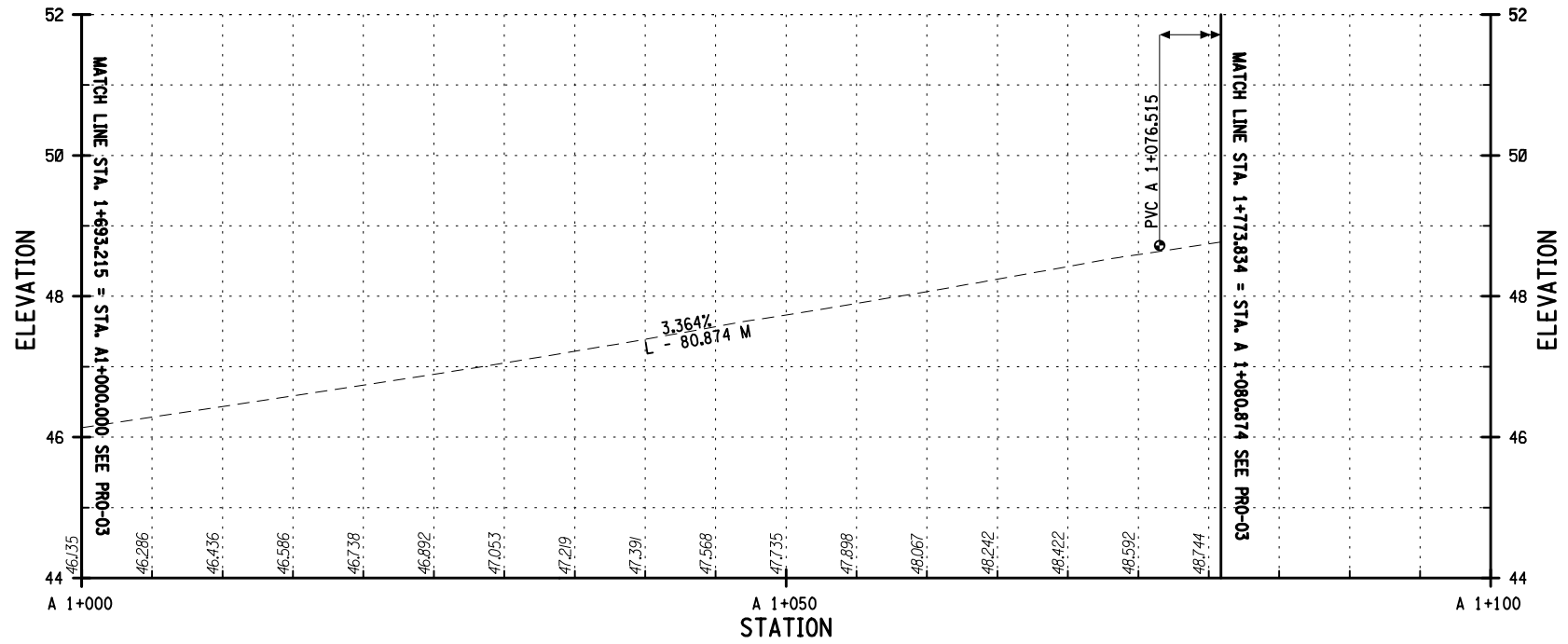


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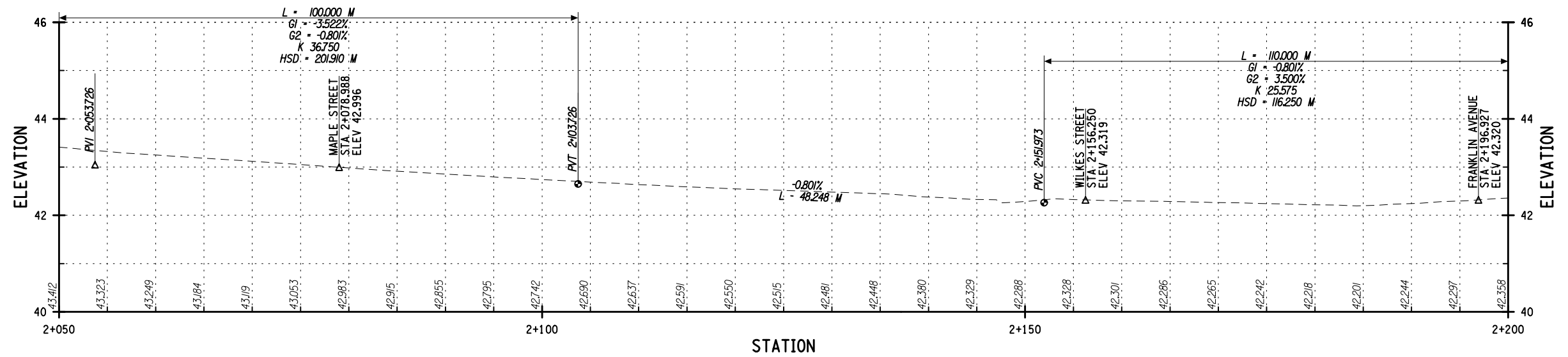
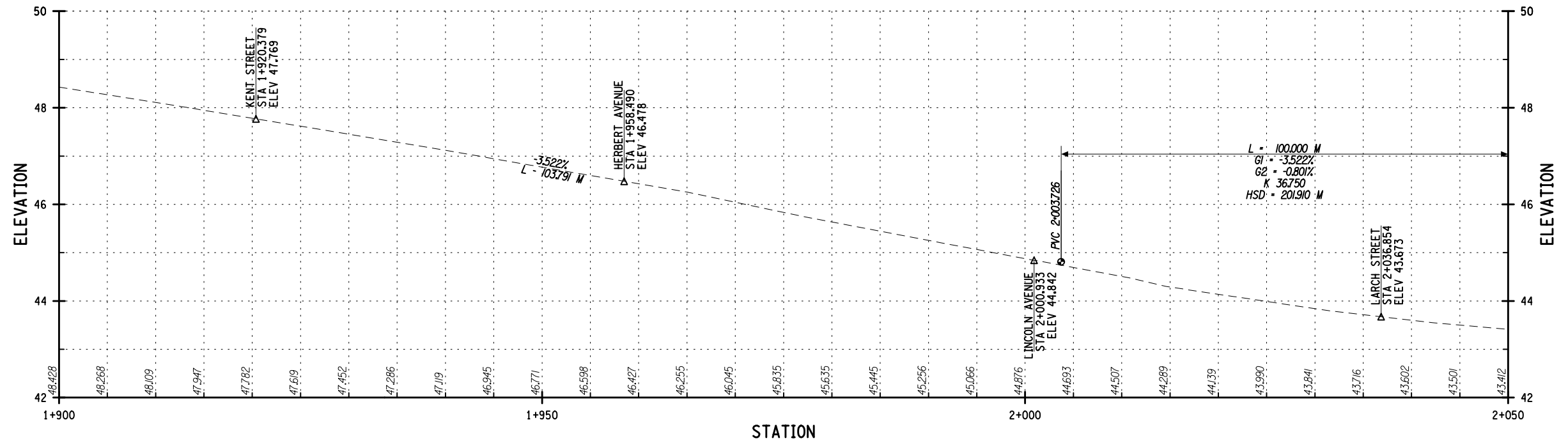
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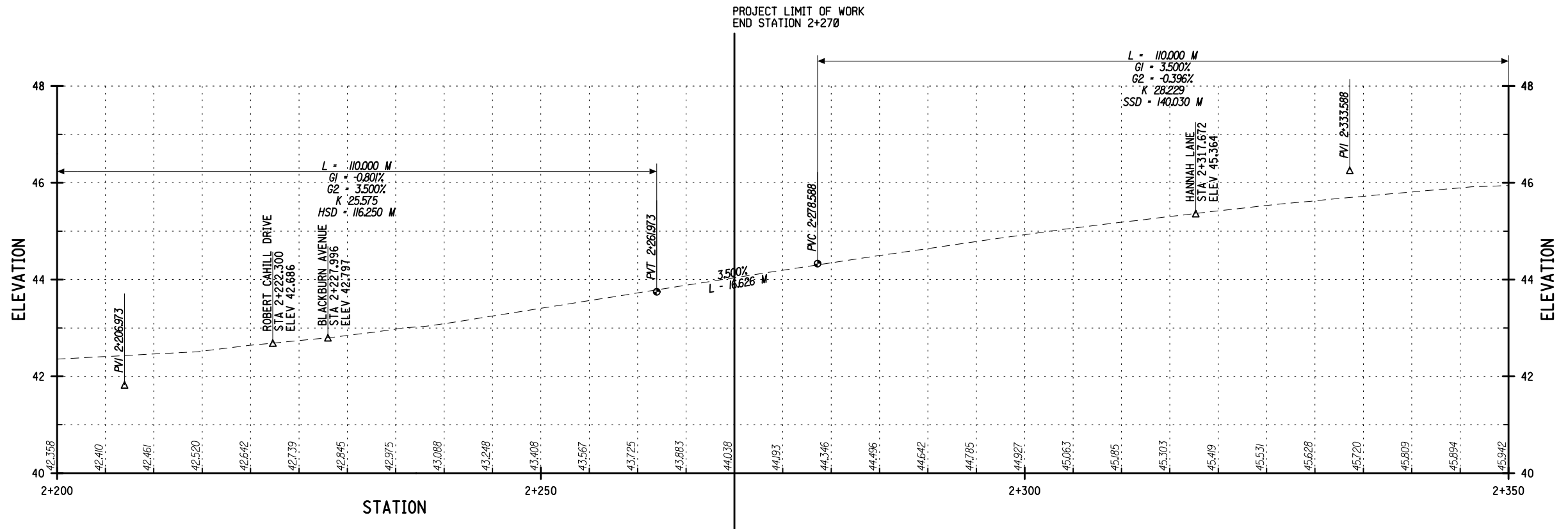
			CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PRO-03A
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN
				SHEET 28 OF 64

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			CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PRO-04
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN
				SHEET 29 OF 64

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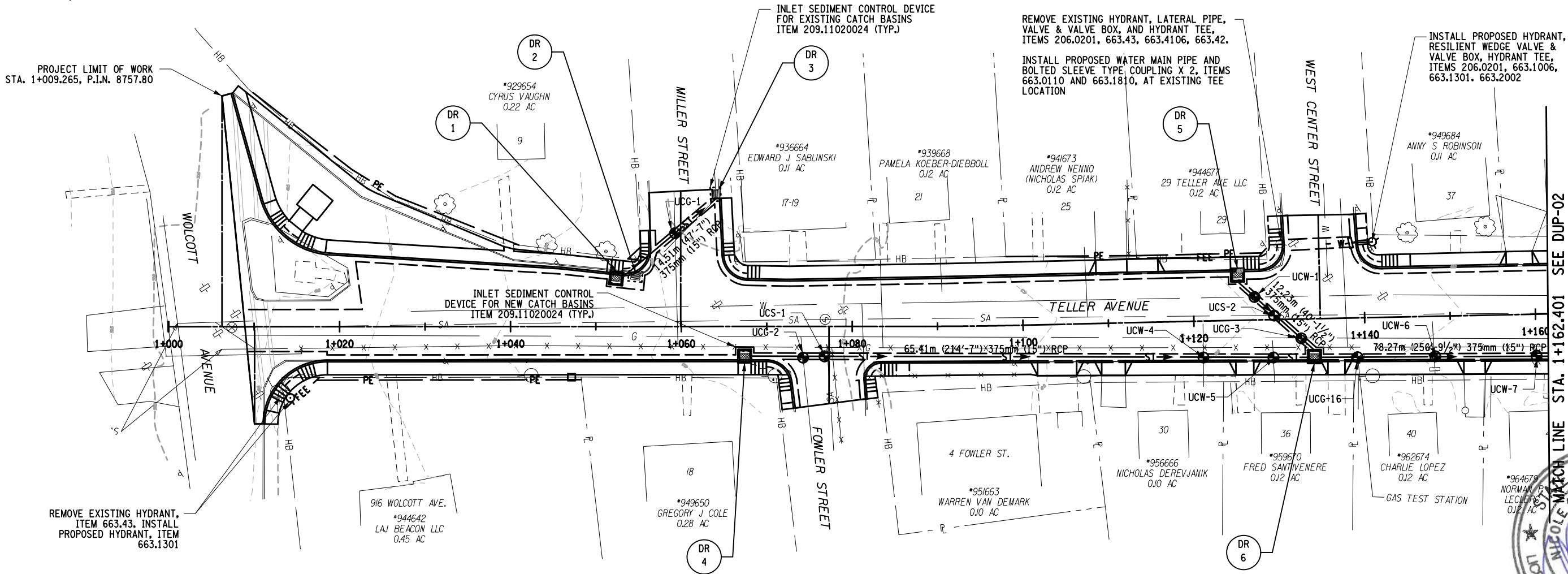
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DATE: OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PRO-05
PE DB	DE SM	PM DW	PROFILES		SCALE: AS SHOWN
					SHEET 30 OF 64

NOTES:

1. PROPOSED EROSION CONTROL MEASURES SHALL BE INSTALLED BEFORE CONTRACTOR BEGINS ASSOCIATED EXCAVATION/SUBSURFACE WORK.
2. ALL EXISTING AND PROPOSED GRATED DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS SHALL HAVE SILT PROTECTION INSTALLED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. PAID FOR UNDER ITEM 209.11020024.
3. THE CONTRACTOR SHALL NOT DISCHARGE TURBID WATER INTO CITY DRAINAGE SYSTEM OR ADJACENT WATERS IN SUCH A MANNER THAT WILL CAUSE A VISIBLE CONTRAST IN RECEIVING WATER.
4. PCC PAVEMENT SAW CUTTING: THE CONTRACTOR SHALL NOT ALLOW CONCRETE SLURRY FROM SAWCUTTING ACTIVITIES TO FLOW ACROSS TRAFFIC LANES OR INTO THE CITY DRAINAGE SYSTEM. THE CONTRACTOR SHALL PREPARE A PLAN FOR CONTROLLING SAW CUT SLURRY, SUBJECT TO APPROVAL OF THE ENGINEER PRIOR TO PERFORMING SAW CUTTING OPERATIONS. PAID FOR UNDER ITEM 627.50140008.
5. CONCRETE TRUCK WASHOUT: THE CONTRACTOR SHALL PREPARE A PLAN FOR CONTROLLING WASHOUT OF CONCRETE TRUCKS PRIOR TO PERFORMING CONCRETE POURING OPERATIONS. PAID UNDER RESPECTIVE CONCRETE ITEM.
6. CONTRACTOR SHALL REPAIR EXISTING DRAINAGE STRUCTURES AS REQUIRED PRIOR TO SETTING NEW FRAMES AND GRATE/COVERS, PAID UNDER ITEM 604.070107.
7. ALL EXISTING DRAINAGE CULVERTS AND PIPES WITHIN THE PROJECT LIMITS AND NOT PLANNED FOR REMOVAL SHALL BE CLEANED AT THE CONCLUSION OF THE PROJECT A.O.B.E., ITEM 621.03.
8. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS AND NOT PLANNED FOR REMOVAL SHALL BE CLEANED AT THE CONCLUSION OF THE PROJECT A.O.B.E., ITEM 621.04.

9. TEST PITS, ITEM 206.05, SHALL BE DUG AT ALL ANTICIPATED UTILITY CONFLICT LOCATIONS DENOTED IN THESE PLANS. BASED ON UTILITY MARKOUT INFORMATION, UTILITY RELOCATIONS ARE NOT ANTICIPATED AT PROPOSED DRAINAGE LOCATIONS EXCEPT AS FOLLOWS. CONTRACTOR SHALL SCHEDULE WORK SUCH THAT MATERIALS ARE ONLY BE ORDERED AFTER, THROUGH TEST PIT INFORMATION, THE CONTRACTOR HAS FIELD MEASURED ACTUAL UTILITY OFFSETS / DEPTHS AND INSTALLATION CAN PROCEED WITH THE SELECTED DRAINAGE STRUCTURE AND WITHOUT FURTHER UTILITY COORDINATION. FOR ALL VERIZON UTILITY CONFLICTS, CONTRACTOR SHALL GIVE VERIZON 48 HOURS ADVANCE NOTICE BEFORE TEST PIT IS DUG:
 - DR-36/125, DR-38/126 - CONTRACTOR SHALL DETERMINE WHETHER VERIZON DUCT BANK DEPTH IS SUFFICIENT TO ACCOMMODATE THE CHUTE FOR OFFSET CATCH BASINS. AN ADJUSTMENT IN CB TYPE OR VERIZON RELOCATION MAY BE REQUIRED. VERIZON WILL REQUIRE 12 WEEKS TO RELOCATE.
 - DR-63/64 - CONTRACTOR SHALL DETERMINE WHETHER EXISTING DUCT BANK LOCATION WILL ALLOW FOR PROPOSED CB INSTALLATION. VERIZON RELOCATION OR AN ADJUSTMENT IN CB LOCATION OR TYPE MAY BE REQUIRED BASED ON FIELD CONDITIONS. VERIZON WILL REQUIRE 12 WEEKS TO RELOCATE.
 - DR-67 - CONTRACTOR SHALL DETERMINE WHETHER EXISTING DUCT BANK LOCATION WILL ALLOW FOR PROPOSED CB INSTALLATION. ADJUSTMENT IN CB LOCATION OR TYPE MAY BE REQUIRED BASED ON FIELD CONDITIONS. IF REQUIRED, VERIZON WILL REQUIRE 12 WEEKS TO RELOCATE.

- DR-80 - CONTRACTOR SHALL DETERMINE WHETHER SUFFICIENT SPACE EXISTS FOR PROPOSED CB. AN ADJUSTMENT IN CB TYPE OR VERIZON RELOCATION MAY BE REQUIRED. VERIZON WILL REQUIRE 12 WEEKS TO RELOCATE.



REMOVE EXISTING HYDRANT, ITEM 663.43. INSTALL PROPOSED HYDRANT, ITEM 663.1301

916 WOLCOTT AVE. *944642 LAJ BEACON LLC 0.45 AC

18 *949650 GREGORY J COLE 0.28 AC

4 FOWLER ST. *951663 WARREN VAN DEMARK 0.10 AC

*956666 NICHOLAS DEVEJANK 0.10 AC

*959670 FRED SANTIVENERE 0.12 AC

*962674 CHARLIE LOPEZ 0.12 AC

*964679 NORMAN P. LECHNER 0.12 AC

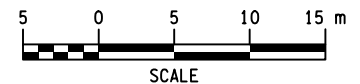
REMOVE EXISTING HYDRANT, LATERAL PIPE, VALVE & VALVE BOX, AND HYDRANT TEE, ITEMS 206.0201, 663.43, 663.4106, 663.42.
INSTALL PROPOSED WATER MAIN PIPE AND BOLTED SLEEVE TYPE, COUPLING X 2, ITEMS 663.0110 AND 663.1810, AT EXISTING TEE LOCATION

INSTALL PROPOSED HYDRANT, RESILIENT WEDGE VALVE & VALVE BOX, HYDRANT TEE, ITEMS 206.0201, 663.1006, 663.1301, 663.2002

DRAIN ID	1	2	3	4	5	6
STR. TYPE	R	REMOVE	EXISTING	R	R	R
PIPE SIZE	375mm (15")	375mm (15")	N/A	375mm (15")	375mm (15")	375mm (15")
PIPE LENGTH	14.51m (47'-7")			65.41m (214'-7")	12.23m (40'-1 1/2")	78.27m (256'-9 1/2")
T.G. ELEV.	48.20 (158.14')	48.20 (158.14')	47.50 (155.84')	47.80 (156.82')	46.50 (152.56')	46.30 (151.90')
PIPE INVERT ELEV.	N	46.70 (153.22')	N/A	46.57 (152.80')		45.80 (147.90')
	S		46.00 (150.92')			45.80 (147.90')
	E				45.28 (148.56')	
	W					45.80 (147.90')
	E.S.					

CITY OF BEACON WATER MAIN MATERIAL NOTES:

1. WATER PIPE SHALL BE DUCTILE IRON (DI) PIPE CLASS 52 CONFORMING TO AWWA C151 AND CEMENT-LINED AS PER AWWA C104.
2. FITTINGS SHALL BE DUCTILE IRON COMPACT FITTINGS CONFORMING TO AWWA C153 AND CEMENT-LINED AS PER AWWA C104 WITH MECHANICAL JOINTS, MEGA LUG FLANGES.
3. HYMAX COUPLINGS SHALL BE USED WHEN CONNECTING PROPOSED SECTIONS OF PIPE TO EXISTING.
4. PROPOSED HYDRANTS SHALL BE MUELLER SUPER CENTURION, 250 SERIES, 5 1/4 MAIN VALVE WITH A 5 FT BURY.



wsp

DATE: **OCTOBER 2023**

PE DB DE SM PM DW

CITY OF BEACON

PROJECT: **PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES**

NO: **DUP-01**

SCALE: **AS SHOWN**

SHEET **31** OF **64**

LEGEND

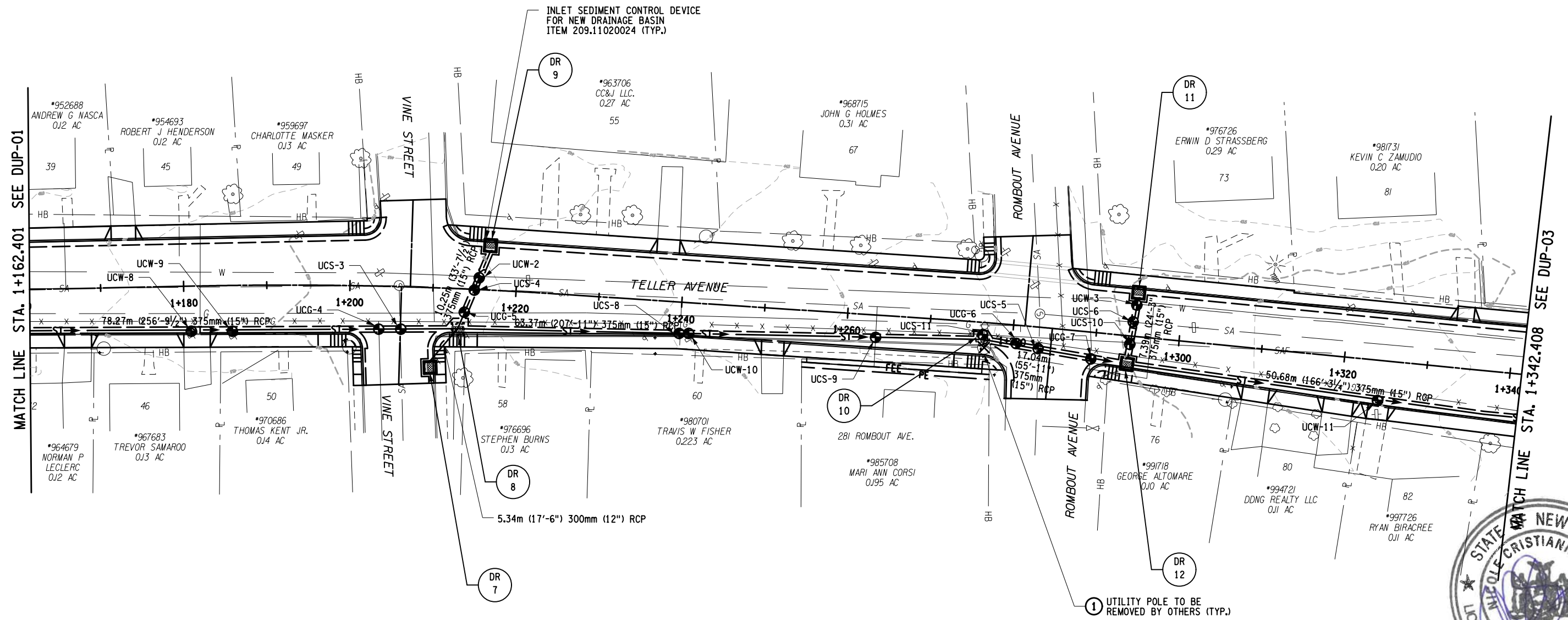
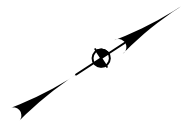
- INSTALL INLET SEDIMENT CONTROL DEVICE FOR NEW CATCH BASIN, ITEM 209.11020024
- INSTALL INLET SEDIMENT CONTROL DEVICE FOR EXISTING CATCH BASIN, ITEM 209.11020024



FILE NAME = DGN\SPEC\0123456789\0123456789\0123456789\01234 DATE/TIME = DGN\SYTIME\0123456 USER = DGN\USERNAME

DRAIN ID	7	8	9	10	11	12
STR. TYPE	R	R	R	60	R	R
PIPE SIZE	300mm (12")	375mm (15")	375mm (15")	375mm (15")	375mm (15")	375mm (15")
PIPE LENGTH	5.34m (17'-6")	63.37m (207'-11")	10.25m (33'-7 1/2")	17.04m (55'-11")	7.39m (24'-3")	50.68m (166'-3 1/4")
T.G. ELEV.	44.70 (146.65')	44.60 (146.33')	44.50 (146')	43.00 (141.08')	42.50 (139.44')	42.50 (139.44')
PIPE INVERT ELEV.	N	43.63 (143.15')	43.28 (142.00')		41.28 (135.44')	41.14 (134.96')
	S		43.43 (142.50')	43.33 (142.33')		
	E		43.28 (142.00')		41.76 (137.00')	41.14 (134.96')
	W		43.43 (142.50')		41.76 (137.00')	41.28 (135.44')
	E.S.					

NOTES:
1. SEE DWG. NO. DUP-01 FOR NOTES.



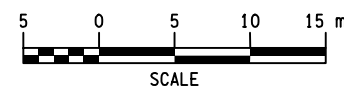
LEGEND

- INSTALL INLET SEDIMENT CONTROL DEVICE FOR NEW DRAINAGE BASIN, ITEM 209.11020024
- INSTALL INLET SEDIMENT CONTROL DEVICE FOR EXISTING DRAINAGE BASIN, ITEM 209.11020024

① UTILITY POLE TO BE REMOVED BY OTHERS (TYP.)



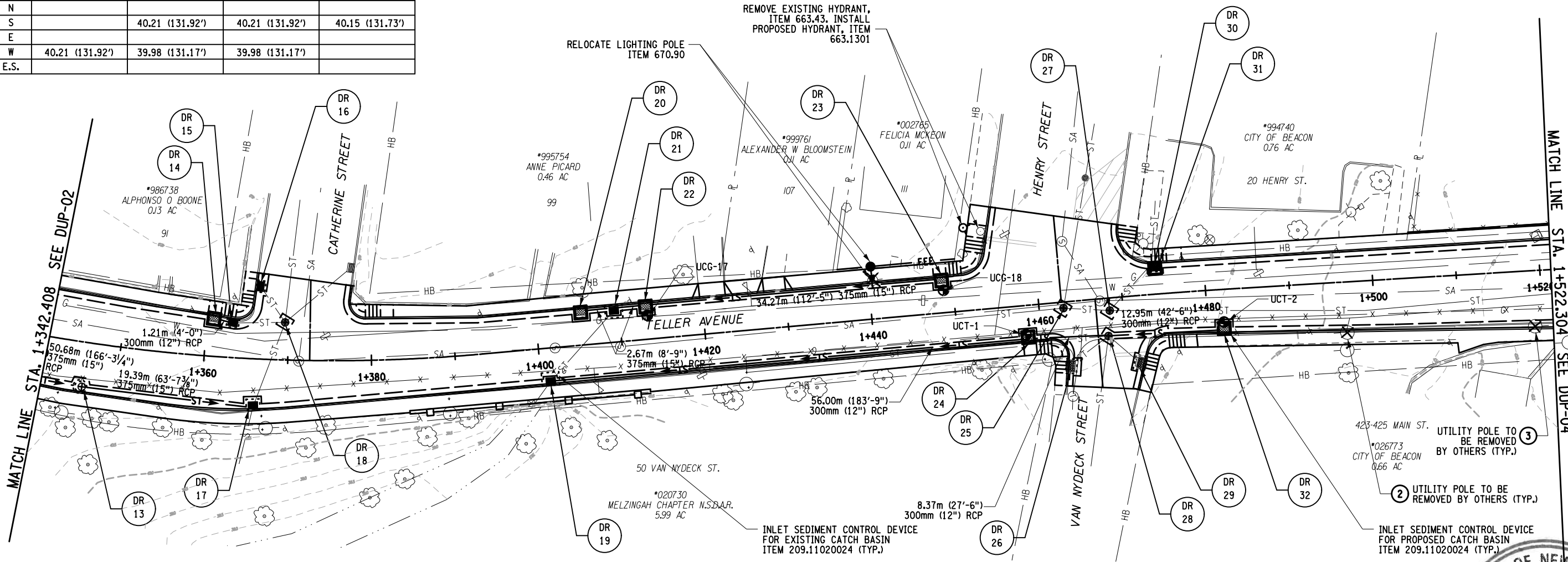
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			CITY OF BEACON		
DATE: OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: DUP-02
PE DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS	SCALE: AS SHOWN	SHEET 32 OF 64

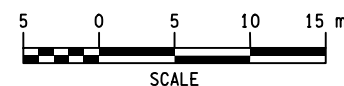
DRAIN ID	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
STR. TYPE	60	R	ALTER	ALTER	ALTER	ALTER	ALTER	R	ALTER	R	R	R	ALTER	ALTER	ALTER	ALTER
PIPE SIZE	375mm (15")	300mm (12")	300mm (12")	300mm (12")	900mm (36")	300mm (12")	600mm (24")	375mm (15")	600mm	375mm (15")	375mm (15")	300mm (12")	600mm (24")	300mm (12")	600mm (24")	300mm (12")
PIPE LENGTH	19.39m (63'-7 3/8")	1.21m (4'-0")	X	X	X	X	X	2.67m (8'-9")	X	2.67m (8'-9")	34.27m (112'-5")	56.00m (183.68')	X	X	X	8.37m (27.45')
T.G. ELEV.	41.25 (135.33')	40.80 (133.86')	40.71 (133.56')	40.69 (133.50')	40.71 (133.56')	40.71 (133.56')	40.46 (132.74')	40.50 (132.87')	40.44 (132.68')	40.50 (132.87')	41.00 (134.51')	41.20 (135.17')	41.33 (135.60')	41.37 (135.73')	41.51 (136.19')	41.54 (136.29')
PIPE INVERT ELEV'S.	N	39.68 (130.20')	39.90 (130.91')	39.77 (130.48')		37.71 (123.73')	38.89 (127.59')	38.92 (127.69')	38.20 (125.33')	38.06 (124.87')	38.20 (125.33')	40.25 (132.05')	39.89 (130.87')	40.21 (131.92')	40.05 (131.40')	40.02 (131.30')
	S	39.68 (130.20')		39.77 (130.48')		37.71 (123.73')	38.87 (127.53')			38.06 (124.87')	38.20 (125.33')	39.50 (129.59')	40.25 (132.05')			40.03 (131.33')
	E				39.69 (130.22')		N/A	N/A		38.06 (124.87')			39.82 (130.64')		39.94 (131.04')	40.12 (131.63')
	W					39.49 (129.56')	38.87 (127.53')	38.16 (125.20')					39.84 (130.71')		39.93 (131.00')	39.85 (130.74')
	E.S.						37.81 (124.05')									40.02 (131.30')


DRAIN ID	29	30	31	32
STR. TYPE	ALTER	REMOVE	U	R
PIPE SIZE	300mm (12")	450mm (18")	N/A	300mm (12")
PIPE LENGTH	X	X	N/A	12.95m (42'-6")
T.G. ELEV.	41.66 (136.68')	41.36 (135.70')	41.40 (135.83')	42.00 (137.80')
PIPE INVERT ELEV'S.	N			
	S		40.21 (131.92')	40.21 (131.92')
	E			
	W	40.21 (131.92')	39.98 (131.17')	39.98 (131.17')
	E.S.			



- LEGEND**
-  INSTALL INLET SEDIMENT CONTROL DEVICE FOR NEW CATCH BASIN, ITEM 209.11020024
 -  INSTALL INLET SEDIMENT CONTROL DEVICE FOR EXISTING CATCH BASIN, ITEM 209.11020024

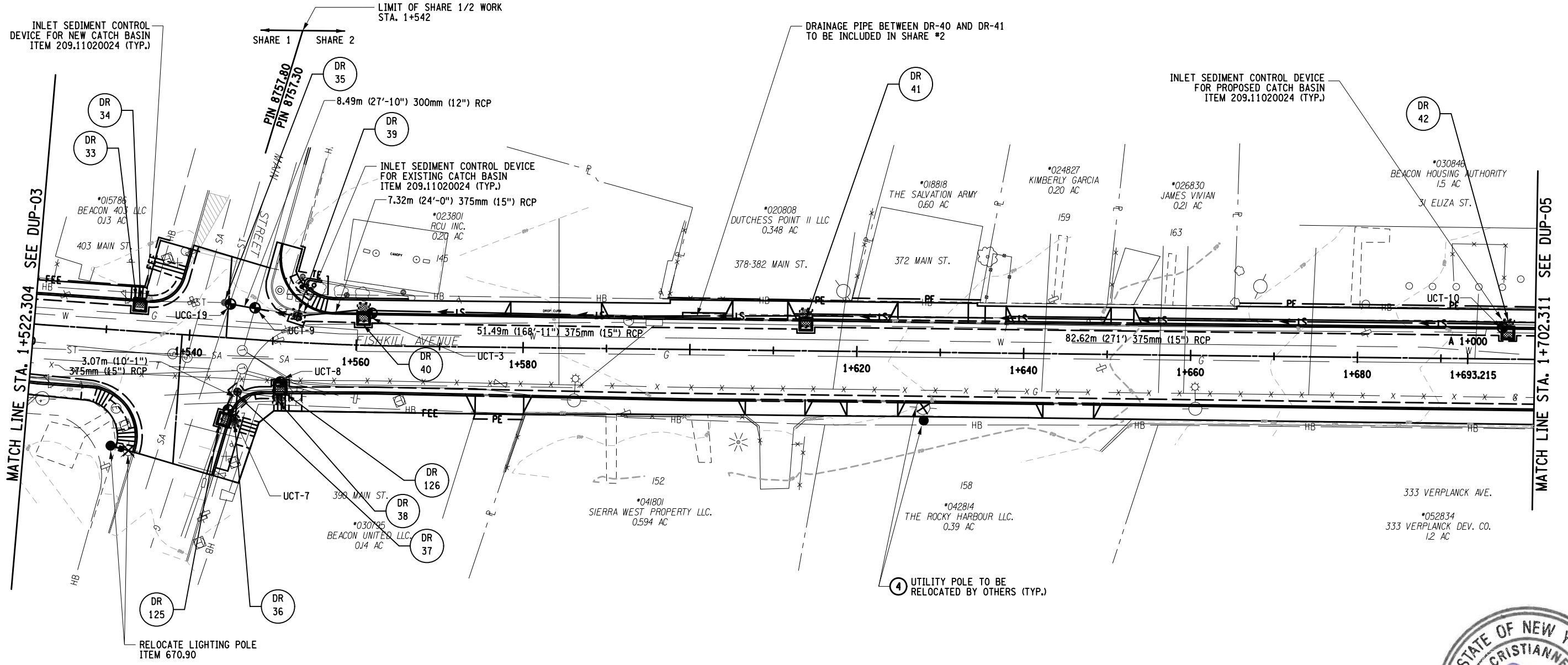
NOTES:
 1. SEE DWG. NO. DUP-01 FOR NOTES.





		CITY OF BEACON		
				DATE: OCTOBER 2023
PE DB	DE SM	PM DW	SCALE: AS SHOWN	SHEET 33 OF 64

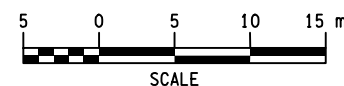
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DRAIN ID	33	34	35	36	37	38	39	40	41	42	125	126
STR. TYPE	REMOVE	R	ALTER	REMOVE	ALTER	REMOVE	ALTER	OFFSET	OFFSET	OFFSET	OFFSET	OFFSET
PIPE SIZE	450mm (18")	450mm (18")	450mm (18")	N/A	N/A	N/A	300mm (12")	375mm (15")	375mm (15")	375mm (15")	375mm (15")	EXISTING
PIPE LENGTH							8.49m (27.8')	7.32m (24')	51.49m (168'-11")	82.62m (271')	3.07m (10.1')	NA
T.G. ELEV.	43.35 (142.22')	43.35 (142.22')	43.54 (142.85')	43.75 (143.54')	43.64 (143.18')	43.75 (143.54')	43.52 (142.78')	43.50 (147.72')	43.50 (147.72')	43.50 (147.72')	43.75 (143.54')	43.75 (143.54')
PIPE INVERT ELEV.S.	N	42.24 (138.58')	42.24 (138.58')	N/A	N/A	N/A	42.25 (138.62')	42.35 (138.94')	42.75 (140.26')	42.75 (140.26')	42.76 (140.27')	
	S			42.06 (137.99')	N/A	N/A	42.25 (138.62')	42.35 (138.94')	42.75 (140.26')	42.75 (140.26')		EXISTING
	E			N/A	N/A	N/A						
	W			42.06 (137.99')	N/A	N/A	N/A	N/A				
	E.S.			N/A	N/A	N/A						



- LEGEND**
-  INSTALL INLET SEDIMENT CONTROL DEVICE FOR NEW CATCH BASIN, ITEM 209.11020024
 -  INSTALL INLET SEDIMENT CONTROL DEVICE FOR EXISTING CATCH BASIN, ITEM 209.11020024

NOTES:
 1. SEE DWG. NO. DUP-01 FOR NOTES.





			CITY OF BEACON	
			DATE: OCTOBER 2023	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES
PE DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS	
			SCALE: AS SHOWN	SHEET 34 OF 64

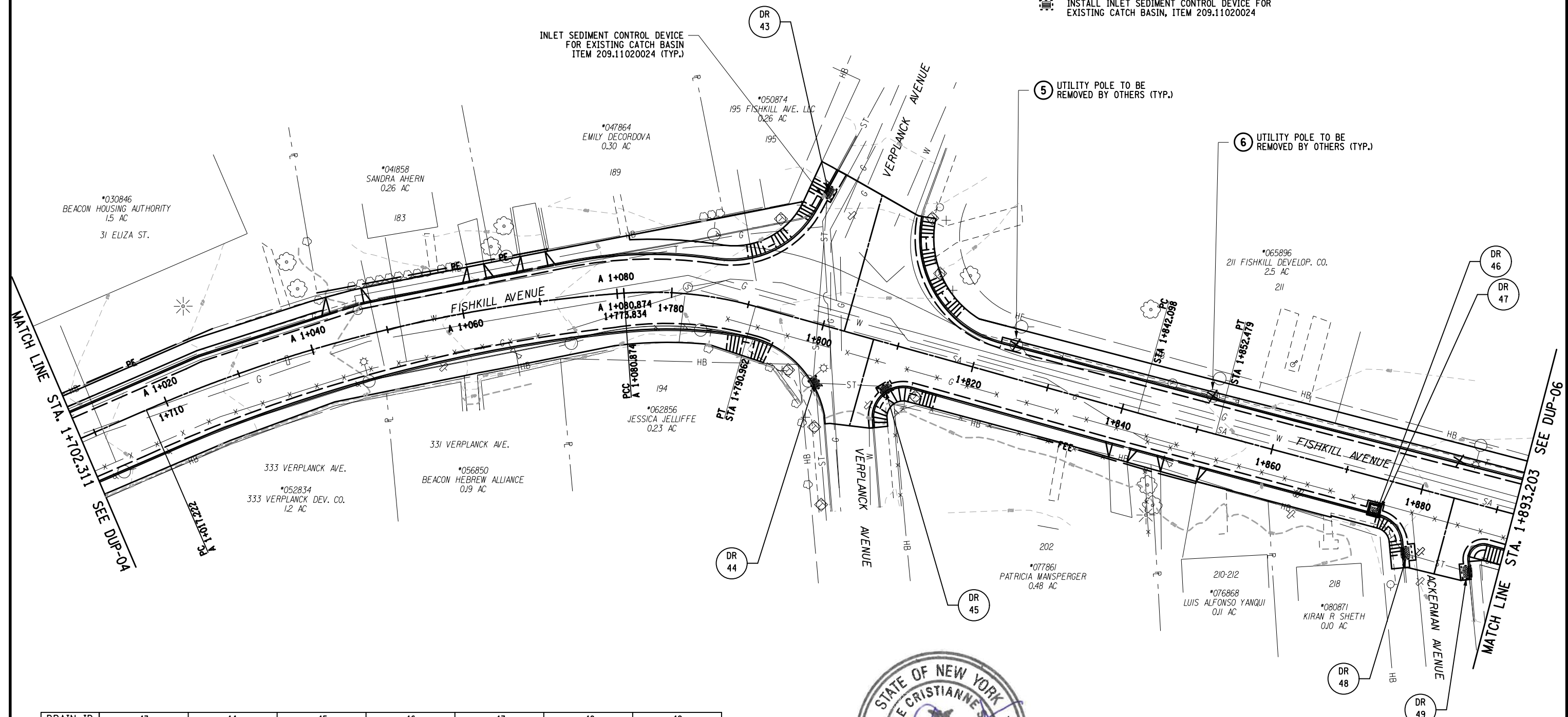
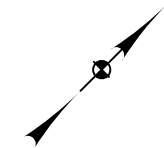
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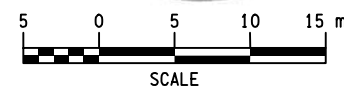
- SEE DWG. NO. DUP-01 FOR NOTES.


LEGEND

-  INSTALL INLET SEDIMENT CONTROL DEVICE FOR NEW CATCH BASIN, ITEM 209.11020024
-  INSTALL INLET SEDIMENT CONTROL DEVICE FOR EXISTING CATCH BASIN, ITEM 209.11020024



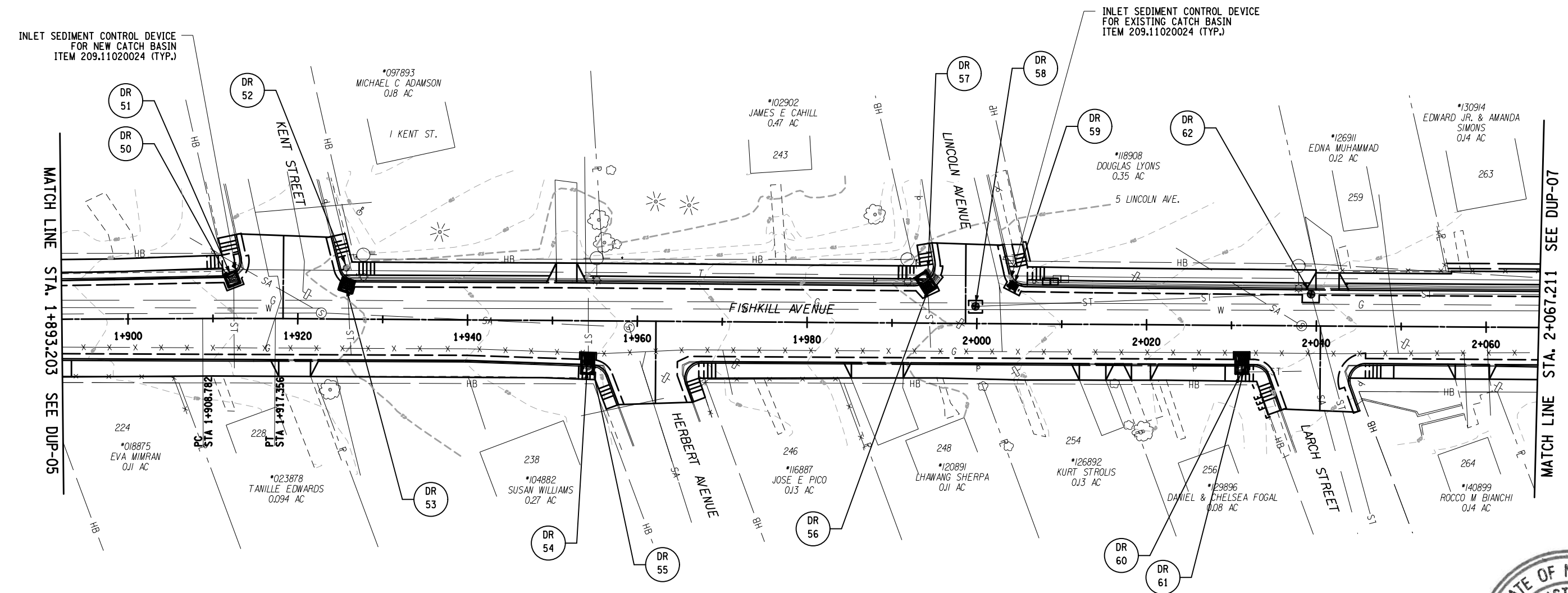
DRAIN ID	43	44	45	46	47	48	49
STR. TYPE	ALTER	ALTER	ALTER	R	REMOVE	ALTER	ALTER
PIPE SIZE	300mm (12")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	300mm (12")
PIPE LENGTH							
T.G. ELEV.	49.89 (163.68')	49.89 (163.68')	49.89 (163.68')	49.00 (160.76')	49.10 (161.10')	48.98 (160.70')	48.70 (159.78')
PIPE INVERT ELEV.S.	N	49.12 (161.15')				47.51 (155.87')	
	S	49.24 (161.55')	49.24 (161.55')				47.48 (155.77')
	E		49.12 (161.15')	47.90 (157.15')	47.88 (157.09')		47.45 (155.68')
	W		N/A			47.71 (156.53')	
E.S.							



		CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	
PE DB	DE SM	PM DW	NO: DUP-05
SCALE: AS SHOWN			SHEET 35 OF 64

FILE NAME = DGN\SPEC\0123456789\0123456789\0123456789\01234
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DRAIN ID	50	51	52	53	54	55	56	57	58	59	60	61	62
STR. TYPE	REMOVE	R	REMOVE	R	REMOVE	F	F	REMOVE	ALTER	ALTER	REMOVE	H	ALTER
PIPE SIZE	150mm (6")	150mm (6")	N/A	N/A	300mm (12")	300mm (12")	150mm (6")	150mm (6")	450mm (18")	N/A	N/A	N/A	450mm (18")
PIPE LENGTH													
T.G. ELEV.	47.84 (156.96')	47.84 (156.96')	47.51 (155.87')	47.40 (155.51')	46.57 (152.79')	46.57 (152.79')	44.85 (147.15')	44.85 (147.15')	44.73 (146.75')	44.50 (146')	43.76 (143.57')	43.76 (143.57')	43.49 (142.68')
PIPE INVERT ELEV'S.	N				45.78 (150.20')	45.80 (150.26')							
	S	46.76 (153.41')	46.76 (153.41')	46.70 (153.22')	46.70 (153.22')		44.00 (144.36')	44.03 (144.46')					42.36 (138.98')
	E								N/A		42.52 (139.50')	42.52 (139.50')	42.51 (139.47')
	W									N/A			42.42 (139.17')
	E.S.												



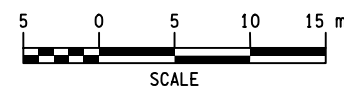
MATCH LINE STA. 1+893.203 SEE DUP-05


MATCH LINE STA. 2+067.211 SEE DUP-07

LEGEND

-  INSTALL INLET SEDIMENT CONTROL DEVICE FOR NEW CATCH BASIN, ITEM 209.11020024
-  INSTALL INLET SEDIMENT CONTROL DEVICE FOR EXISTING CATCH BASIN, ITEM 209.11020024

- NOTES:**
- SEE DWG. NO. DUP-01 FOR NOTES.

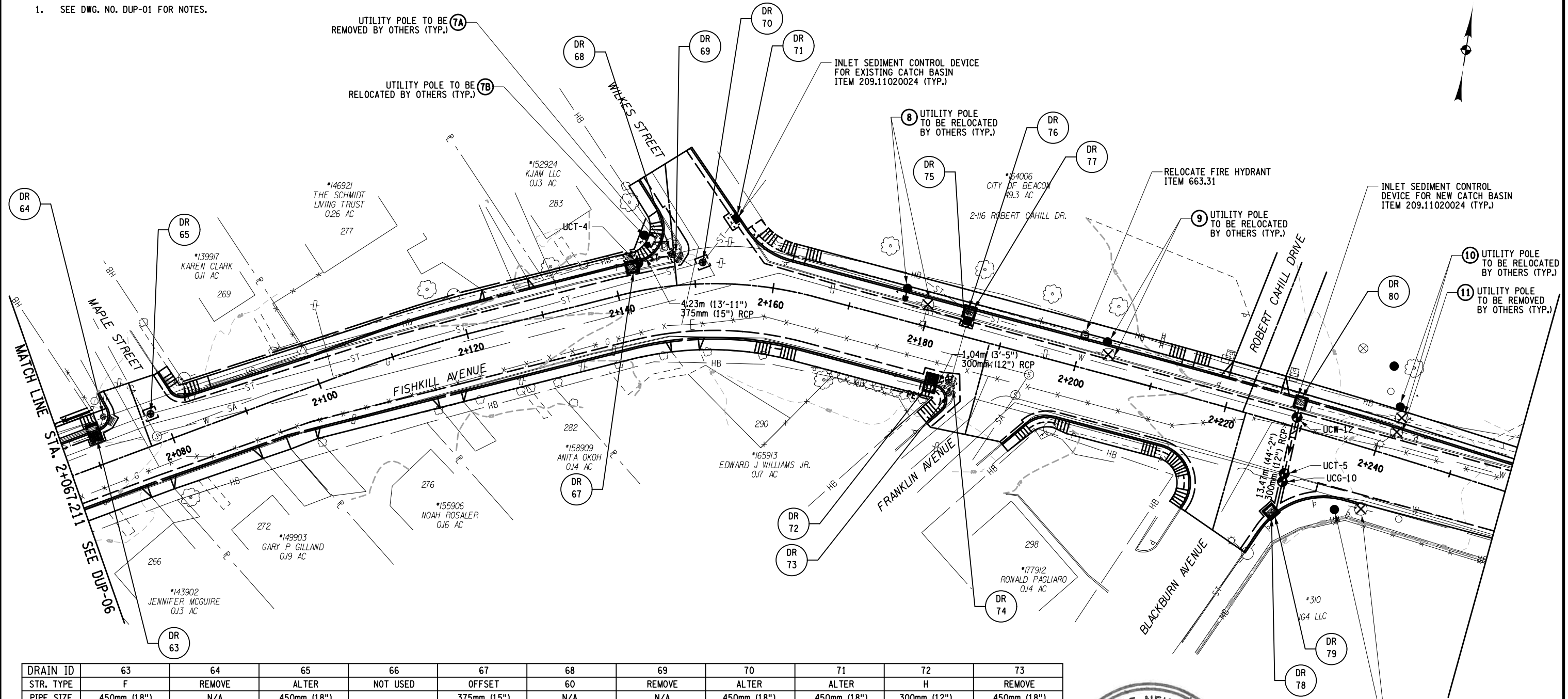


			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: DUP-06
PE DB	DE SM	PM DW	SCALE: AS SHOWN		SHEET 36 OF 64

FILE NAME = DGN\$SPEC01234567890123456789012345678901234
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NOTES:

1. SEE DWG. NO. DUP-01 FOR NOTES.

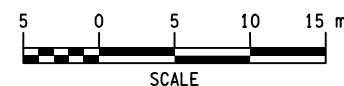


DRAIN ID	63	64	65	66	67	68	69	70	71	72	73
STR. TYPE	F	REMOVE	ALTER	NOT USED	OFFSET	60	REMOVE	ALTER	ALTER	H	REMOVE
PIPE SIZE	450mm (18")	N/A	450mm (18")		375mm (15")	N/A	N/A	450mm (18")	450mm (18")	300mm (12")	450mm (18")
PIPE LENGTH					4.23m (13'-11")					1.04m (3'-5")	
T.G. ELEV.	43.00 (141.08')	43.02 (141.14')	42.86 (140.62')		42.25 (138.62')	42.20 (138.45')	42.23 (138.55')	42.23 (138.55')	42.13 (138.55')	42.10 (138.12')	42.18 (138.39')
PIPE INVERT ELEV.S.	N							41.19 (135.14')	41.71 (136.84')	40.65 (133.37')	40.57 (133.10')
	S	41.87 (137.37')							41.78 (137.07')		40.60 (133.20')
	E	41.40 (135.83')		41.78 (137.07')		41.23 (135.27')	41.20 (135.17')	41.40 (135.83')		40.97 (134.42')	40.97 (134.42')
	W	41.40 (135.83')		41.80 (137.14')		41.23 (135.27')	41.20 (135.17')	41.18 (135.10')		40.97 (134.42')	
	E.S.										

DRAIN ID	74	75	76	77	78	79	80
STR. TYPE	60	REMOVE	REMOVE	R	REMOVE	R	R
PIPE SIZE	300mm (12")	N/A	N/A	N/A	N/A	N/A	300mm (12")
PIPE LENGTH	1.04m (3'-5")						13.47m (44'-2")
T.G. ELEV.	42.10 (138.12')	42.08 (138.06')	42.19 (138.42')	42.20 (138.45')	42.46 (139.30')	42.46 (139.30')	42.45 (139.27')
PIPE INVERT ELEV.S.	N	40.57 (133.10')	41.07 (134.74')			41.20 (135.17')	
	S		41.05 (134.68')	41.18 (135.10')	41.18 (135.10')	41.18 (135.10')	41.30 (135.50')
	E		41.05 (134.68')	41.05 (134.68')	41.05 (134.68')		
	W	40.65 (133.37')	41.08 (134.78')	40.86 (134.06')	40.86 (134.06')		
	E.S.						



- LEGEND**
- INSTALL INLET SEDIMENT CONTROL DEVICE FOR NEW CATCH BASIN, ITEM 209.110200241
 - INSTALL INLET SEDIMENT CONTROL DEVICE FOR EXISTING CATCH BASIN, ITEM 209.11020024

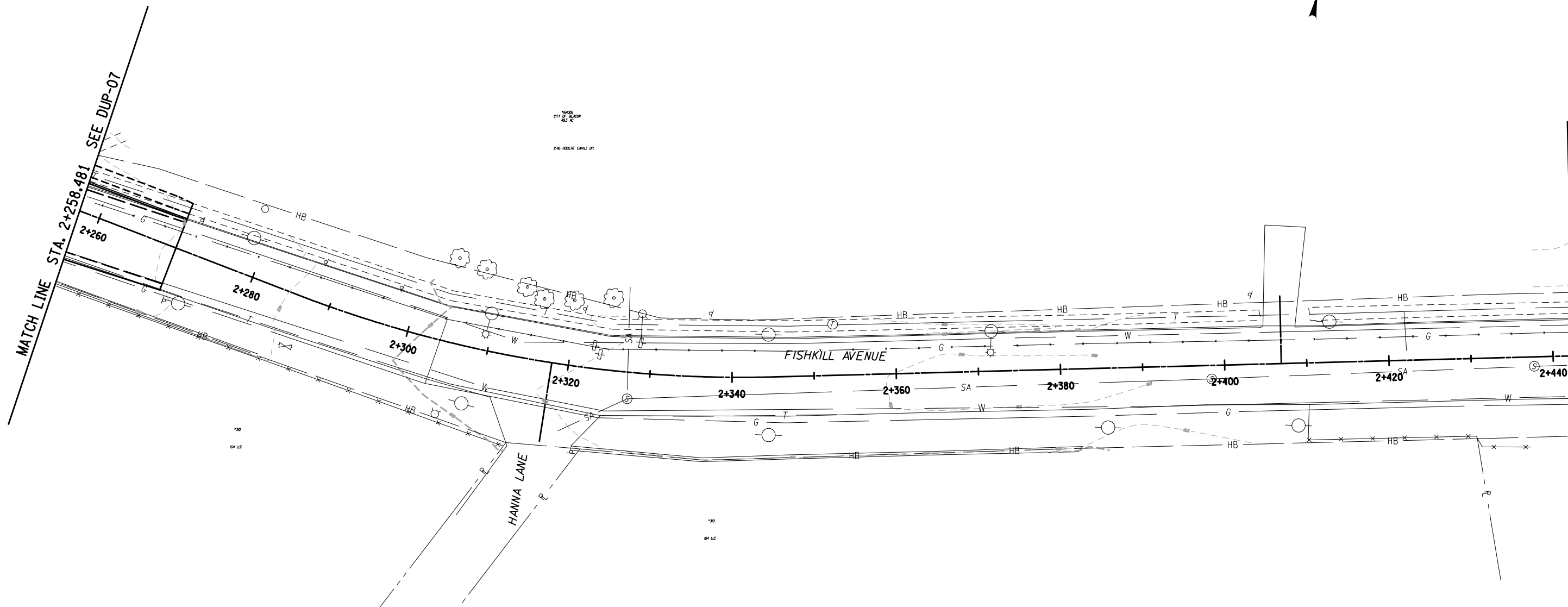


		CITY OF BEACON		
				DATE: OCTOBER 2023
PE DB	DE SM	PM DW	SCALE: AS SHOWN	SHEET 37 OF 64



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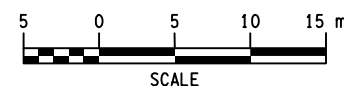
NOTES:


1. SEE DWG. NO. DUP-01 FOR NOTES.
2. NO DRAINAGE WORK ON THIS SHEET.



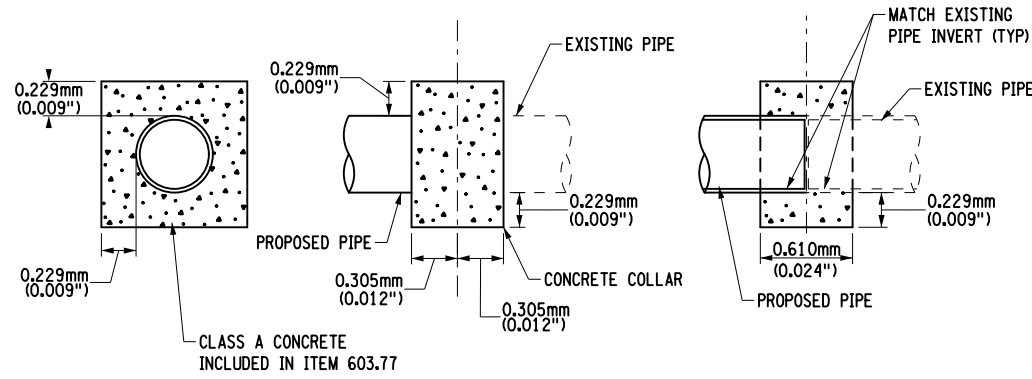
LEGEND

-  INSTALL INLET SEDIMENT CONTROL DEVICE FOR NEW DRAINAGE BASIN, ITEM 209.11020024
-  INSTALL INLET SEDIMENT CONTROL DEVICE FOR EXISTING DRAINAGE BASIN, ITEM 209.110200241



			CITY OF BEACON		
DATE: OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: DUP-08
PE DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS		SCALE: AS SHOWN
					SHEET 38 OF 64

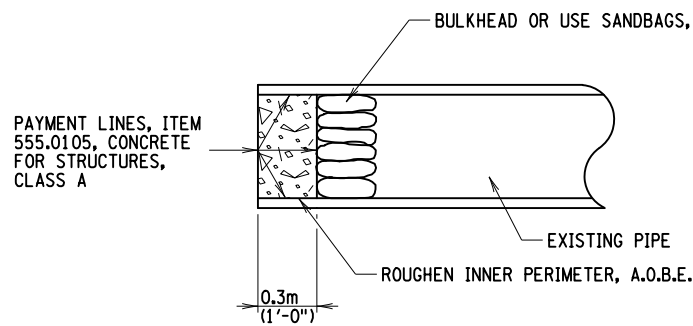
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NOTE:

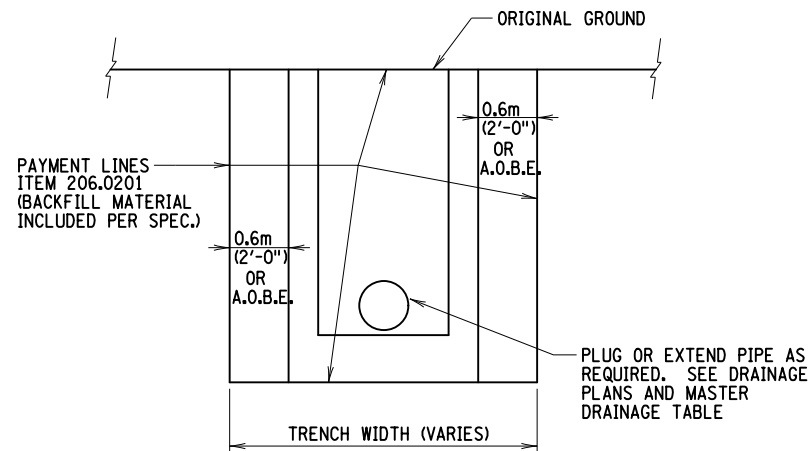
THE GENERAL SPECIFICATION FOR REINFORCED CONCRETE PIPE, CLASS IV, SHALL APPLY EXCEPT THAT REINFORCING SHALL BE AS SPECIFIED FOR REINFORCED CONCRETE PIPE, CLASS III, AS AN ALTERNATE FOR REINFORCING FOR REINFORCED CONCRETE PIPE CLASS III, BAR REINFORCEMENT MAY BE SUPPLIED. THE BARS SHALL CONFORM TO THE REQUIREMENTS OF 709-01 BAR REINFORCEMENT FOR CEMENT CONCRETE AND SHALL BE SUPPLIED IN THE AMOUNT NEEDED TO MEET THE REQUIRED MAXIMUM REINFORCEMENT IN SQUARE MILLIMETERS PER LINEAR METER OF PIPE BARREL.

CONCRETE COLLAR - ITEM 603.77
N.T.S.

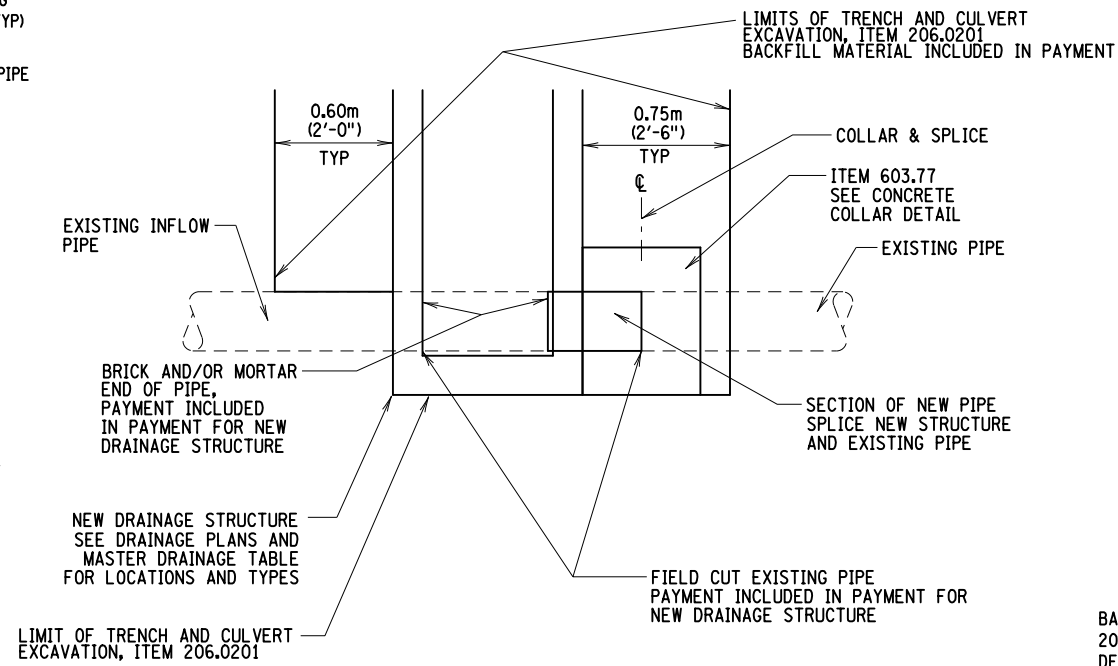


NOTE: ALL WORK NECESSARY TO PLUG PIPE INCLUDED UNDER ITEM 555.0105

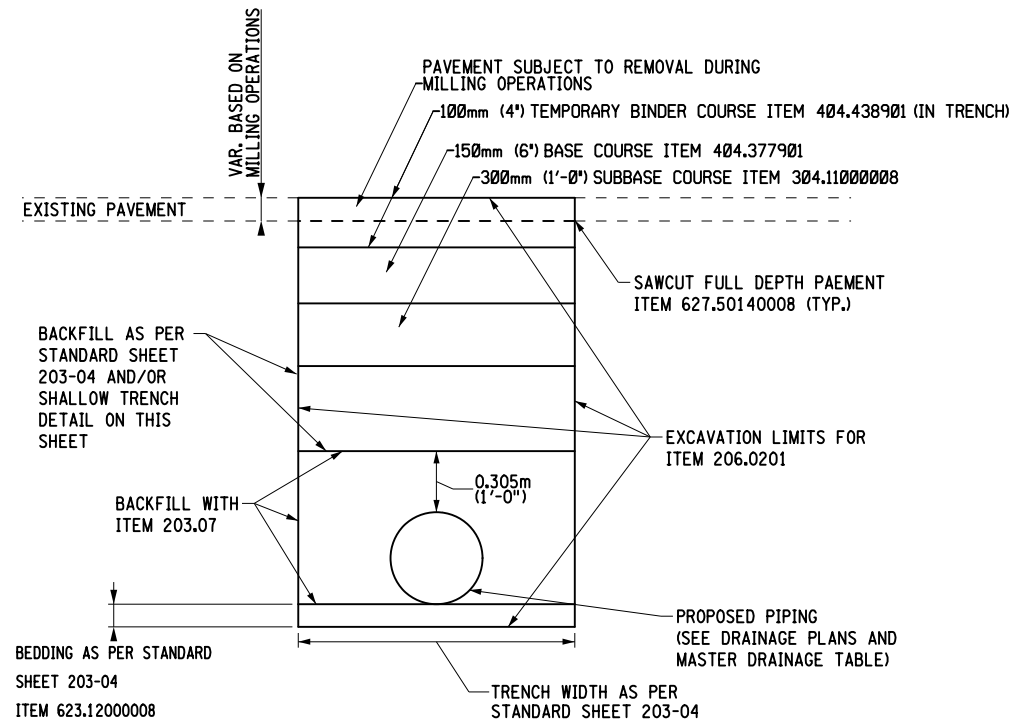
PLUGGING PIPES
N.T.S.



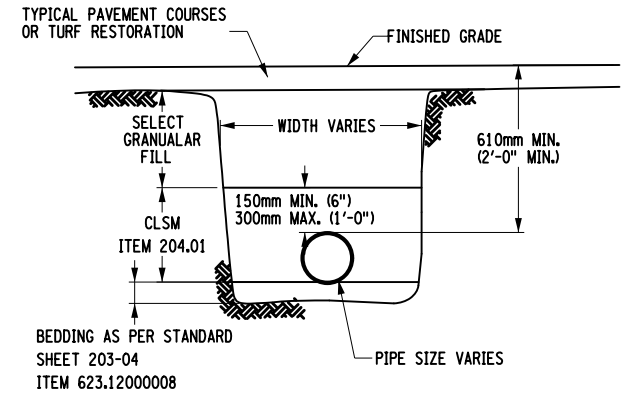
REMOVAL OF EXISTING DRAINAGE STRUCTURES
N.T.S.



PLACING A NEW DRAINAGE STRUCTURE OVER AN EXISTING PIPE
N.T.S.

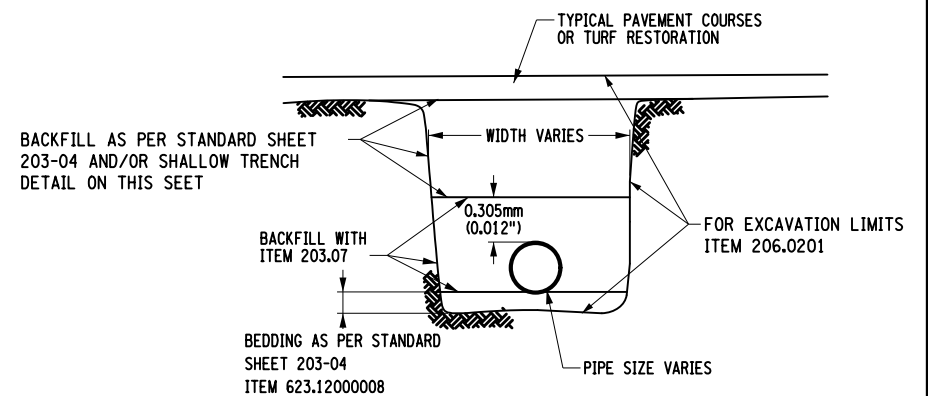


TRENCH AND PAVEMENT RESTORATION FOR DRAINAGE INSTALLATION PRIOR TO MILLING AND PAVING OPERATIONS
N.T.S.



SHALLOW TRENCH DETAIL
N.T.S.

NOTE: WHERE BACKFILLING DUCTILE IRON PIPE, CLSM SHALL NOT CONTAIN FLY ASH

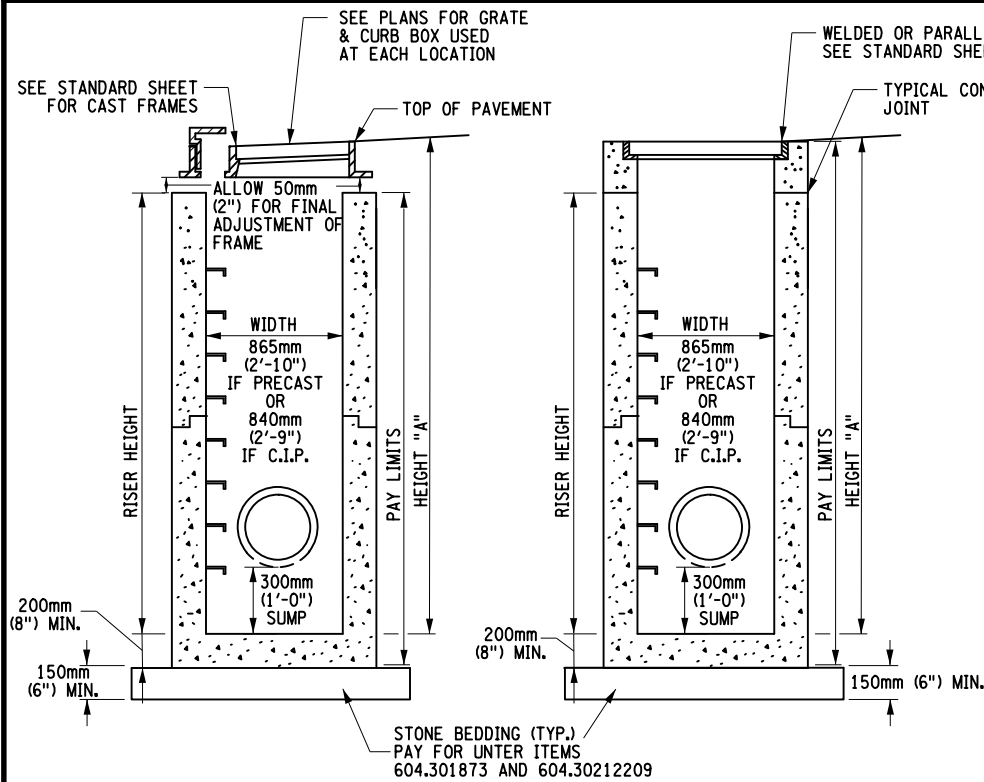


TYPICAL TRENCH RESTORATION FOR DRAINAGE PIPE INSTALL OFF PAVEMENT

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USER = DGN#USERNAME



wsp			CITY OF BEACON		
DATE: OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30		NO: DD-01
			REHABILITATION OF TELLER & FISHKILL AVENUES		
PE DB	DE SM	PM DW	DRAINAGE DETAILS - 1		SCALE: AS SHOWN
					SHEET 41 OF 64



WITH CURB BOX, AND A MONOLITHICALLY CAST FLOOR SLAB

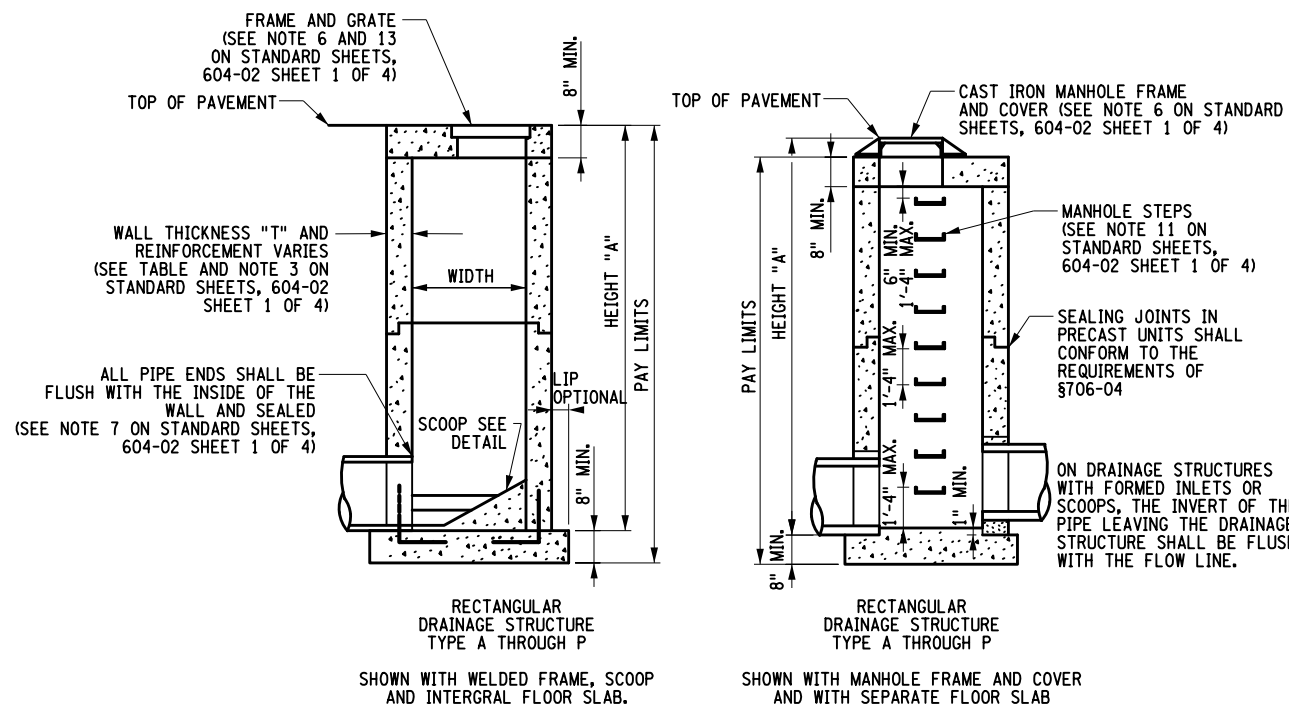
WITH CURB BOX, AND A MONOLITHICALLY CAST FLOOR SLAB

NOTES:

1. FOR FRAME AND GRATE TYPE SEE DRAINAGE TABLES ON DWG NO. DT-01 THRU DT-02
2. FOR STRUCTURE TYPE SEE DRAINAGE TABLE ON DWG DT-01 THRU DT-02
3. SEE STANDARD SHEET SERIES 604-02

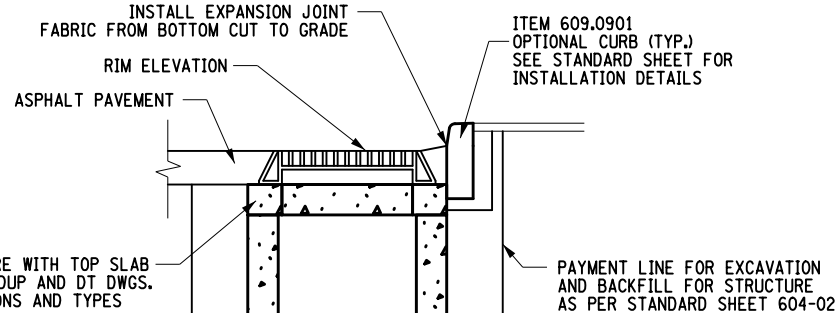
RECTANGULAR DRAINAGE STRUCTURE TYPE R AND U
TYPICAL DETAIL

N.T.S.



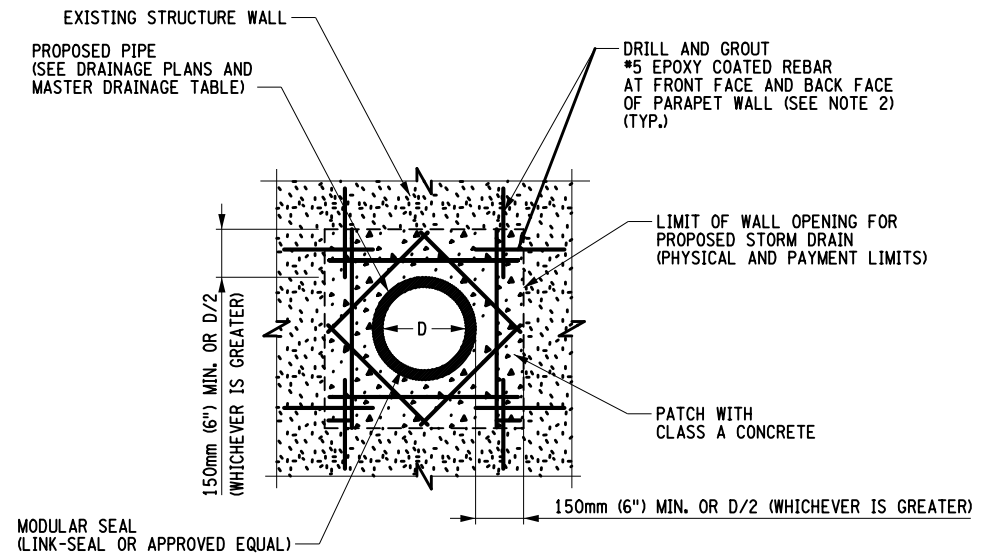
RECTANGULAR DRAINAGE STRUCTURE TYPE F & H TYPICAL
DETAIL

N.T.S.



CONCRETE CURB INSTALLATION
ADJACENT TO DRAINAGE STRUCTURE W/TOP SLAB

N.T.S.



WALL PENETRATION DETAIL

N.T.S.

NOTES:

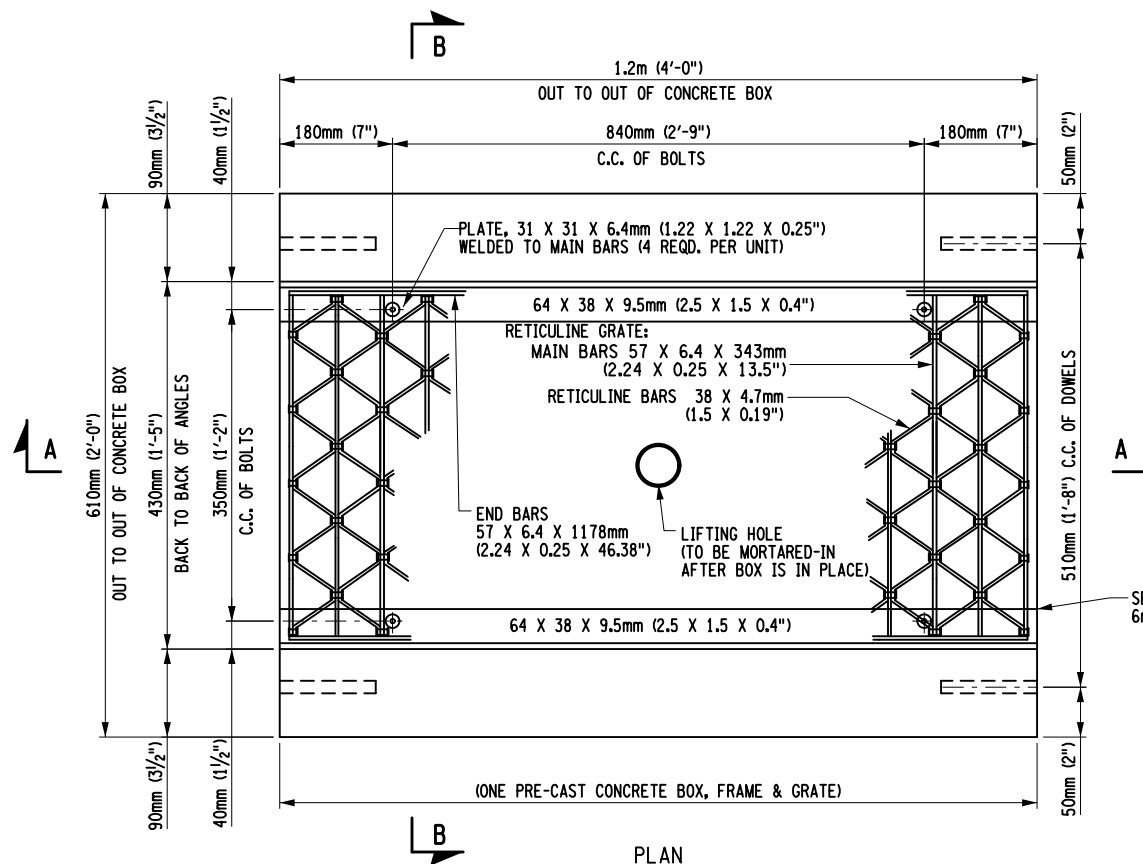
1. ALL WORK SHOWN IN THIS DETAIL SHALL BE INCLUDED IN APPROPRIATE PIPE ITEMS
2. REBAR TO BE INSTALLED WITH 75mm (3") OF COVER AT FRONT AND BACK FACE OF WALL.

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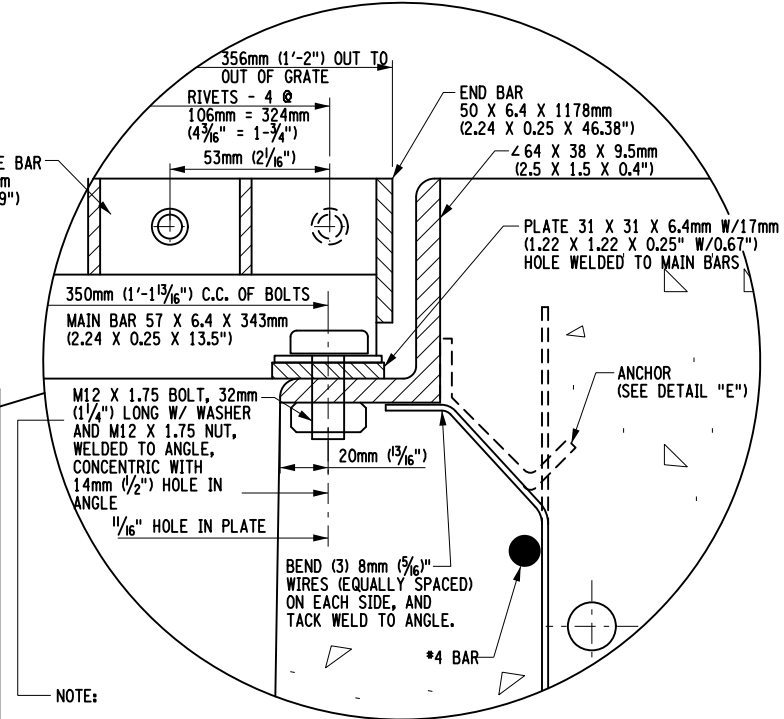
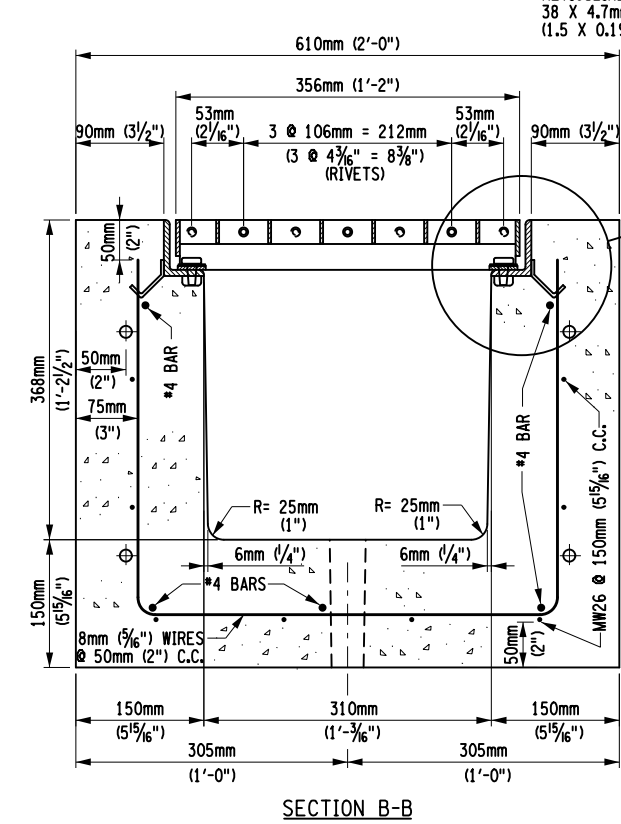
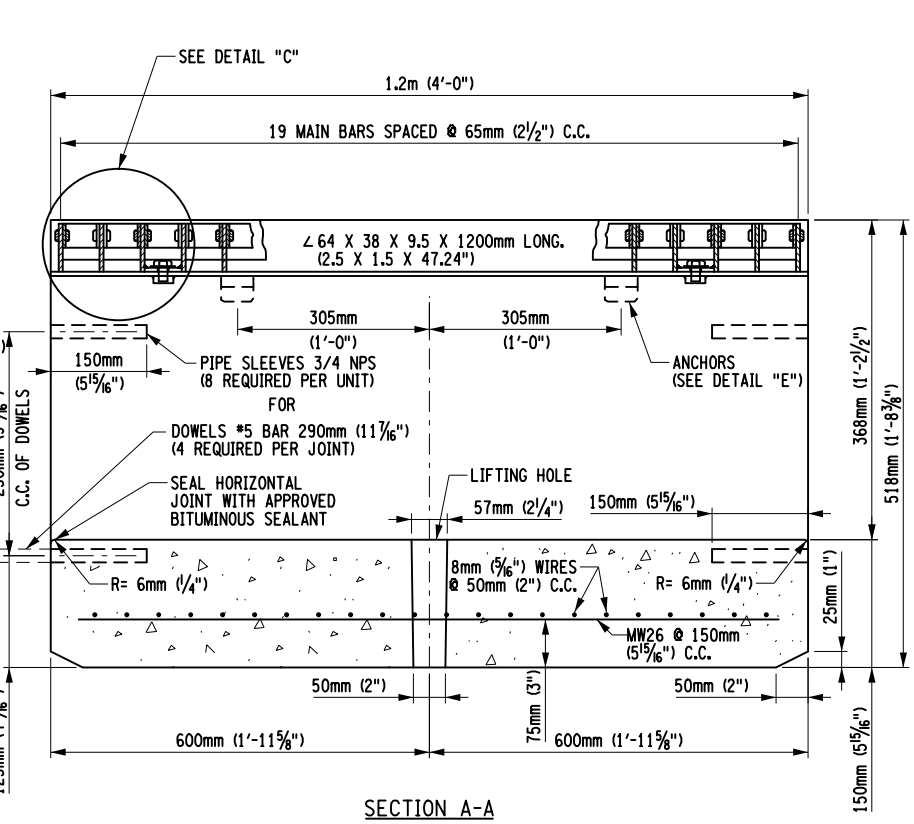
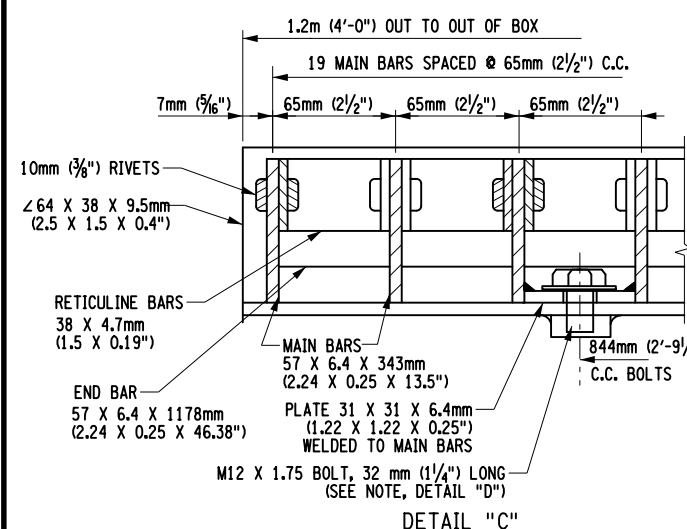
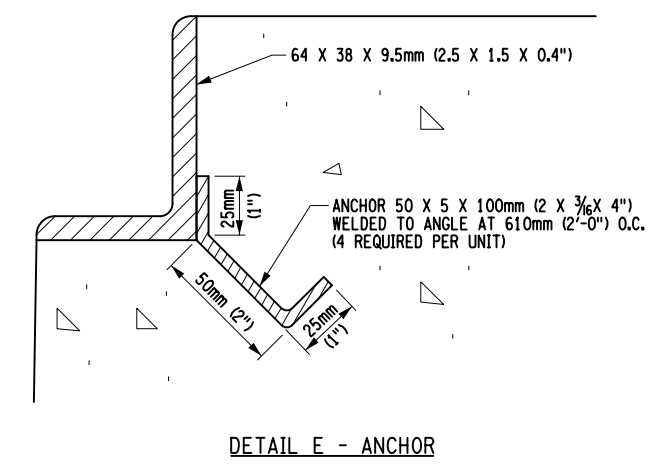


			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: DD-02
PE DB	DE SM	PM DW	DRAINAGE DETAILS - 2		SCALE: AS SHOWN
					SHEET 42 OF 64

NOTE: GRATING AND ANGLE FRAME TO BE GALVANIZED IN CONFORMANCE WITH SUBSECTION 719-01 TYPE I OF THE STANDARD SPECIFICATION.



SEAL JOINT BETWEEN BOXES WITH 6mm (1/4") PREMOLDED RESILIENT JOINT FILLER.



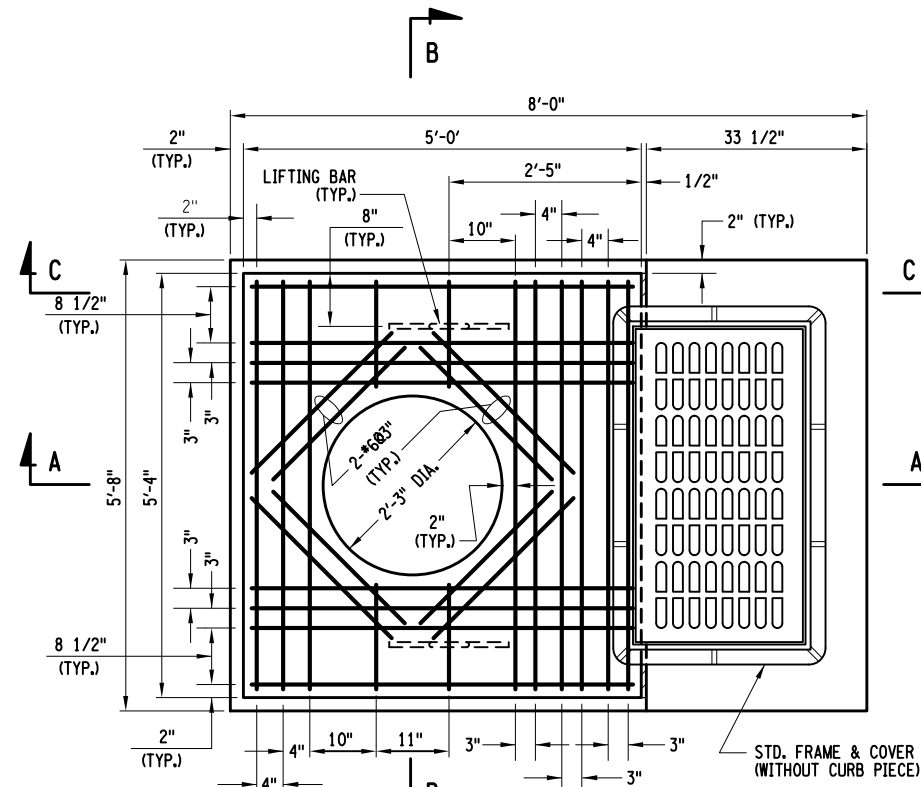
NOTE: BOLT, WASHER, AND NUT TO BE TYPE 316 STAINLESS STEEL OR MONEL METAL. IN WELDING MONEL METAL NUT TO ANGLE IT IS RECOMMENDED THAT NI ROD #55 BE USED.

PRE-CAST CONCRETE TRANSVERSE DRAINAGE INTERCEPTOR
ITEM 605.06----10
(CAST-IN-PLACE OPTIONAL)
N.T.S.

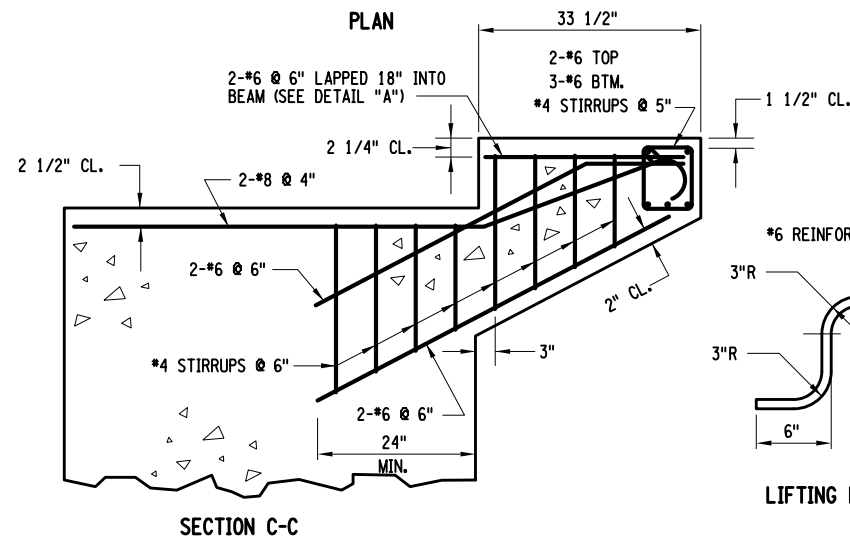


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USER = DGN&USERNAME

				CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: DD-03
PE DB	DE SM	PM DW	DRAINAGE DETAILS - 3		SCALE: AS SHOWN
					SHEET 43 OF 64

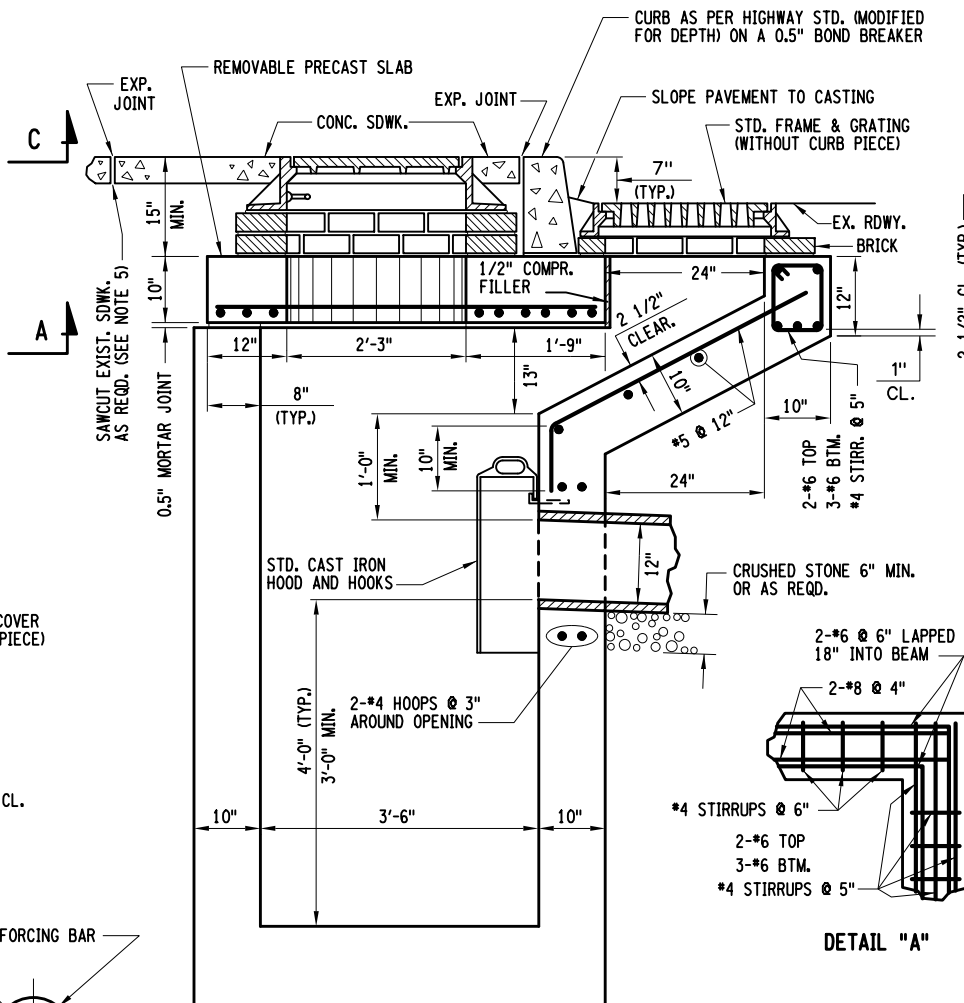


PLAN

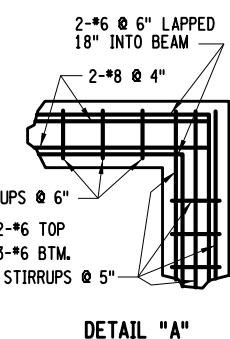


SECTION C-C

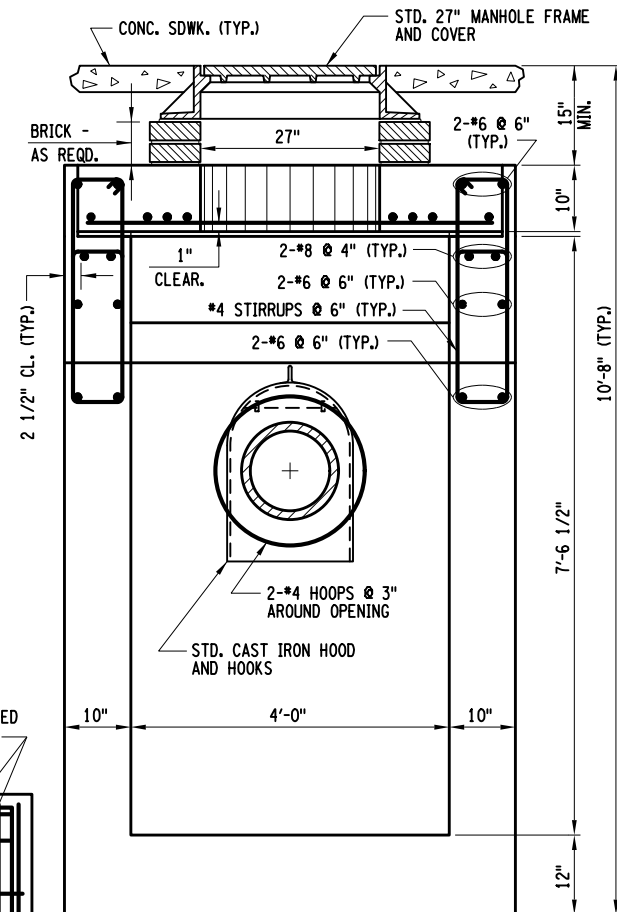
LIFTING BAR DETAIL



SECTION A-A



DETAIL "A"

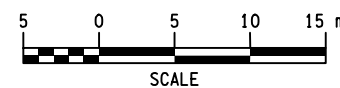


SECTION B-B

OFFSET CATCH BASIN, ITEM 604.50180010
N.T.S.

NOTES:

1. LOCATION OF OPENING SHALL BE DETERMINED PRIOR TO MANUFACTURE OF BASIN BY LOCATION AND ANGLE OF BASIN CONNECTION REQUIRED DUE TO FIELD CONDITIONS AND OPENING SHALL BE PLACED IN THE PROPER WALL AT THE TIME OF MANUFACTURE. IF LOCATION OF OPENING IS NOT IN THE FRONT WALL AS SHOWN, THE OPENING SHALL BE 2'-0" X 2'-0" WITH 2-#6@4" - 4'-9" LONG PLACED ABOVE OPENING; IN ADDITION, THE FRONT WALL SHALL BE MANUFACTURED SOLID AND ADDITIONAL 2-#5@1'-0" FOR CHUTE REINFORCEMENT SHALL BE PLACED AT THE TIME OF MANUFACTURE.
2. LIFTING HOOKS SHALL BE LOCATED IN THE SECTION AS PER MANUFACTURER'S RECOMMENDATIONS AND GROUTED PRIOR TO BACKFILLING. (FOUR (4) LIFTING HOOKS SHALL BE PROVIDED AND PLACED SYMMETRICALLY AND IN SUCH A MANNER AS TO PROVIDE FOR THE EVEN LIFTING OF THE SECTION.)



SCALE



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				CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30		NO: DD-04	
PE DB	DE SM	PM DW	DRAINAGE DETAILS - 4		SCALE: AS SHOWN
				SHEET 44 OF 64	

	POLE	EXISTING LOCATION			PROPOSED LOCATION		
		STA.	OFFSET (M)	SIDE	STA.	OFFSET (M)	SIDE
SHARE 1	1	1+276.6	3.06	R	REMOVE		
	2	1+496.4	6.04	R	REMOVE		
	3	1+549.0	6.68	R	REMOVE		
SHARE 2	4	1+627.8	6.69	R	1+627.8	8.21	R
	5	1+829.0	4.25	L	REMOVE		
	6	1+851.0	4.68	L	REMOVE		
	7A	2+142.0	5.77	L	REMOVE		
	7B	2+141.9	6.32	L	2+141.3	6.92	L
	8	2+179.7	2.28	L	2+176.7	4.12	L
	9	2+203.7	2.55	L	2+203.2	4.10	L
	10	2+241.9	5.00	L	2+241.3	6.36	L
	11	2+241.9	3.12	L	REMOVE		
	12	2+240.5	7.67	R	2+237.0	8.73	R

TABLE OF LIGHTING POLE RELOCATIONS							
EXISTING				PROPOSED			
STATION	SIDE	OFFSET (M)	OFFSET (FT)	STATION	SIDE	OFFSET (M)	OFFSET (FT)
1+441.1	L	4.76	15.61	1+441.0	L	6.67	21.88
1+534.3	R	13.40	43.95	1.532.2	R	13.40	43.95

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			CITY OF BEACON		
DATE:		OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	
NO:		UT-01		SCALE:	
PE	DB	DE	SM	PM	DW
UTILITY POLE RELOCATION TABLE				AS SHOWN	
					SHEET 45 OF 64

POTENTIAL WATER MAIN AND SERVICE LATERAL CONFLICTS

NO.	LOC.	SIDE	APPROX. STATION	UTILITY/DESCRIPTION	OWNER	COMMENTS
UCW-1	DUP-01	WEST	1+128	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER MAIN conflict		
UCW-2	DUP-02	WEST	1+215	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER MAIN conflict		
UCW-3	DUP-02	WEST	1+295	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER MAIN conflict		
UCW-4	DUP-01	EAST	1+120	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER SERVICE conflict		
UCW-5	DUP-01	EAST	1+130	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER SERVICE conflict		
UCW-6	DUP-01	EAST	1+147	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER SERVICE conflict		
UCW-7	DUP-01	EAST	1+160	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER SERVICE conflict		
UCW-8	DUP-02	EAST	1+180	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER SERVICE conflict		
UCW-9	DUP-02	EAST	1+185	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER SERVICE conflict		
UCW-10	DUP-02	EAST	1+240	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER SERVICE conflict		
UCW-11	DUP-02	EAST	1+325	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER SERVICE conflict		
UCW-12	DUP-07	NORTH	2+230	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to perform test pit to confirm depth of existing water main. Relocate as required.
				EXISTING WATER MAIN conflict		

POTENTIAL SANITARY SEWER MAIN AND SERVICE LATERAL CONFLICTS

NO.	LOC.	SIDE	APPROX. STATION	UTILITY/DESCRIPTION	OWNER	COMMENTS
UCS-1	DUP-01	EAST	1+077	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
				EXISTING 300mm CLAY SANITARY SEWER MAIN		
UCS-2	DUP-01	NA	1+130	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
				EXISTING 300mm CLAY SANITARY SEWER MAIN		
UCS-3	DUP-02	EAST	1+205	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing sanitary sewer main.
				EXISTING 300mm CLAY SANITARY SEWER MAIN		
UCS-4	DUP-02	NA	1+215	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
				EXISTING 300mm CLAY SANITARY SEWER MAIN		
UCS-5	DUP-02	EAST	1+283	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
				EXISTING 300mm CLAY SANITARY SEWER MAIN		
UCS-6	DUP-02	WEST	1+294	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing sanitary sewer main.
				EXISTING SANITARY SEWER MAIN		
UCS-8	DUP-02	EAST	1+240	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing sanitary sewer main.
				EXISTING SANITARY SEWER FORCE LATERAL		
UCS-9	DUP-02	EAST	1+264	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing sanitary sewer main.
				EXISTING SANITARY SEWER FORCE LATERAL		
UCS-10	DUP-02	EAST	1+295	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing sanitary sewer main.
				EXISTING SANITARY SEWER FORCE LATERAL		
UCS-11	DUP-02	EAST	1+276	Proposed MANHOLE	City of Beacon	Contractor to verify invert of existing sanitary sewer main.
				EXISTING SANITARY SEWER FORCE LATERAL		

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			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: UC-01
PE DB	DE SM	PM DW	SCALE: AS SHOWN		SHEET 46 OF 64

POTENTIAL GAS MAIN AND SERVICE LATERAL CONFLICTS						
NO.	LOC.	SIDE	APPROX. STATION	UTILITY/DESCRIPTION	OWNER	COMMENTS
UCG-1	DUP-01	WEST	1+060	Proposed 375 mm RCP drainage pipe crossing 4" plastic pipe.	Central Hudson Gas and Electric	Replacement of existing drainage pipe. Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING GAS MAIN		
UCG-2	DUP-01	EAST	1+075	Proposed 375 mm RCP drainage pipe crossing 2" plastic pipe.	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING GAS MAIN		
UCG-3	DUP-01	EAST	1+133	Proposed 375 mm RCP drainage pipe crossing 8" plastic pipe.	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING GAS MAIN		
UCG-4	DUP-02	EAST	1+202	Proposed 375 mm RCP drainage pipe crossing 6" steel w elded pipe.	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING GAS MAIN		
UCG-5	DUP-02	EAST	1+215	Proposed 375 mm RCP drainage pipe crossing 8" plastic pipe.	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING GAS MAIN		
UCG-6	DUP-02	EAST	1+280	Proposed 375 mm RCP drainage pipe crossing 6" plastic pipe.	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING GAS MAIN		
UCG-7	DUP-02	EAST	1+290	Proposed 375 mm RCP drainage pipe crossing 12" plastic pipe.	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING GAS MAIN		
UCG-10	DUP-07	SOUTH	2+230	Proposed 300 mm RCP drainage pipe crossing 4" Steel w elded pipe.	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING GAS MAIN		
UCG-16	DUP-01	EAST	1+140	Proposed 375 mm RCP drainage pipe	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING GAS MAIN TEST STATION		
UCG-17	DUP-03	WEST	1+413	Proposed TYPE R CATCH BASIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING 12" PLASTIC GAS MAIN		
UCG-18	DUP-03	WEST	1+450	Proposed TYPE R CATCH BASIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING 12" PLASTIC GAS MAIN		
UCG-19	DUP-04	WEST	1+545	Proposed 300 mm RCP drainage pipe crossing 8" steel w elded pipe.	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
				EXISTING GAS MAIN		

POTENTIAL TELEPHONE CONFLICTS						
NO.	LOC.	SIDE	APPROX. STATION	UTILITY/DESCRIPTION	OWNER	COMMENTS
UCT-1	DUP-03	EAST	1+458	Proposed Type R drainage structure	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
				EXISTING TELEPHONE DUCT BANK / MANHOLES		
UCT-2	DUP-03	EAST	1+482	Proposed Type R drainage structure	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
				EXISTING TELEPHONE DUCT BANK / MANHOLES		
UCT-3	DUP-04	WEST	1+563	Proposed 375 mm RCP drainage pipe	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
				EXISTING TELEPHONE DUCT BANK / MANHOLES		
UCT-4	DUP-07	NORTH	2+143	Proposed 375 mm RCP drainage pipe	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
				EXISTING TELEPHONE DUCT BANK		
UCT-5	DUP-07	SOUTH	2+230	Proposed 300 mm RCP drainage pipe	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
				EXISTING TELEPHONE DUCT BANK		
UCT-7	DUP-04	EAST	1+545	Proposed Type R drainage structure and 375 mm RCP drainage pipe	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
				EXISTING TELEPHONE DUCT BANK		
UCT-8	DUP-04	EAST	1+551	Proposed Type R drainage structure	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
				EXISTING TELEPHONE DUCT BANK		
UCT-9	DUP-04	WEST	1+545	Proposed 300 mm RCP drainage pipe	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
				EXISTING TELEPHONE DUCT BANK		
UCT-10	DUP-04	WEST	A1+005	Proposed Offset drainage structure	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
				EXISTING TELEPHONE DUCT BANK / MANHOLES		

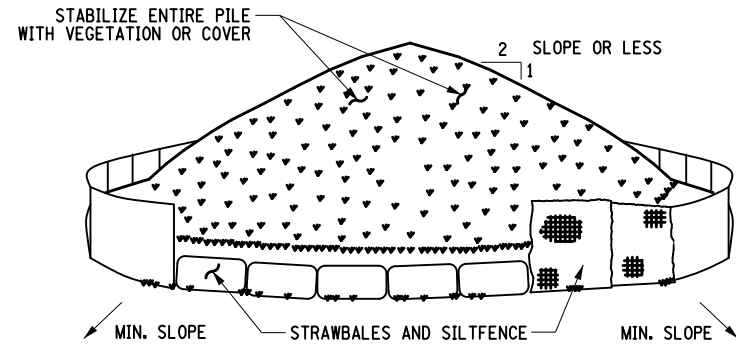


			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: UC-02
PE DB	DE SM	PM DW	SCALE: AS SHOWN		SHEET 47 OF 64
UNDERGROUND UTILITY CONFLICTS TABLE					

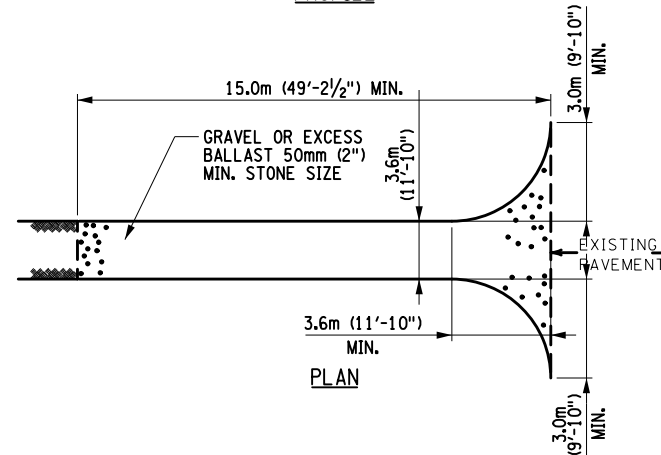
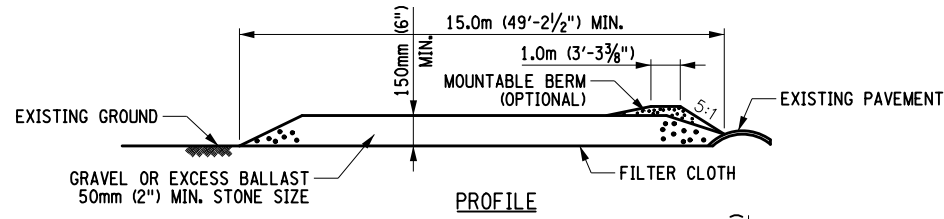
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STOCKPILING INSTALLATION NOTES:

1. OFF-SITE AREAS CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE. ON-SITE STOCKPILING OF MATERIALS IS NOT PERMITTED
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. NO ADDITIONAL PAYMENT FOR THIS ITEM SHALL BE MADE, THE COST OF DOING THIS WORK SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS.



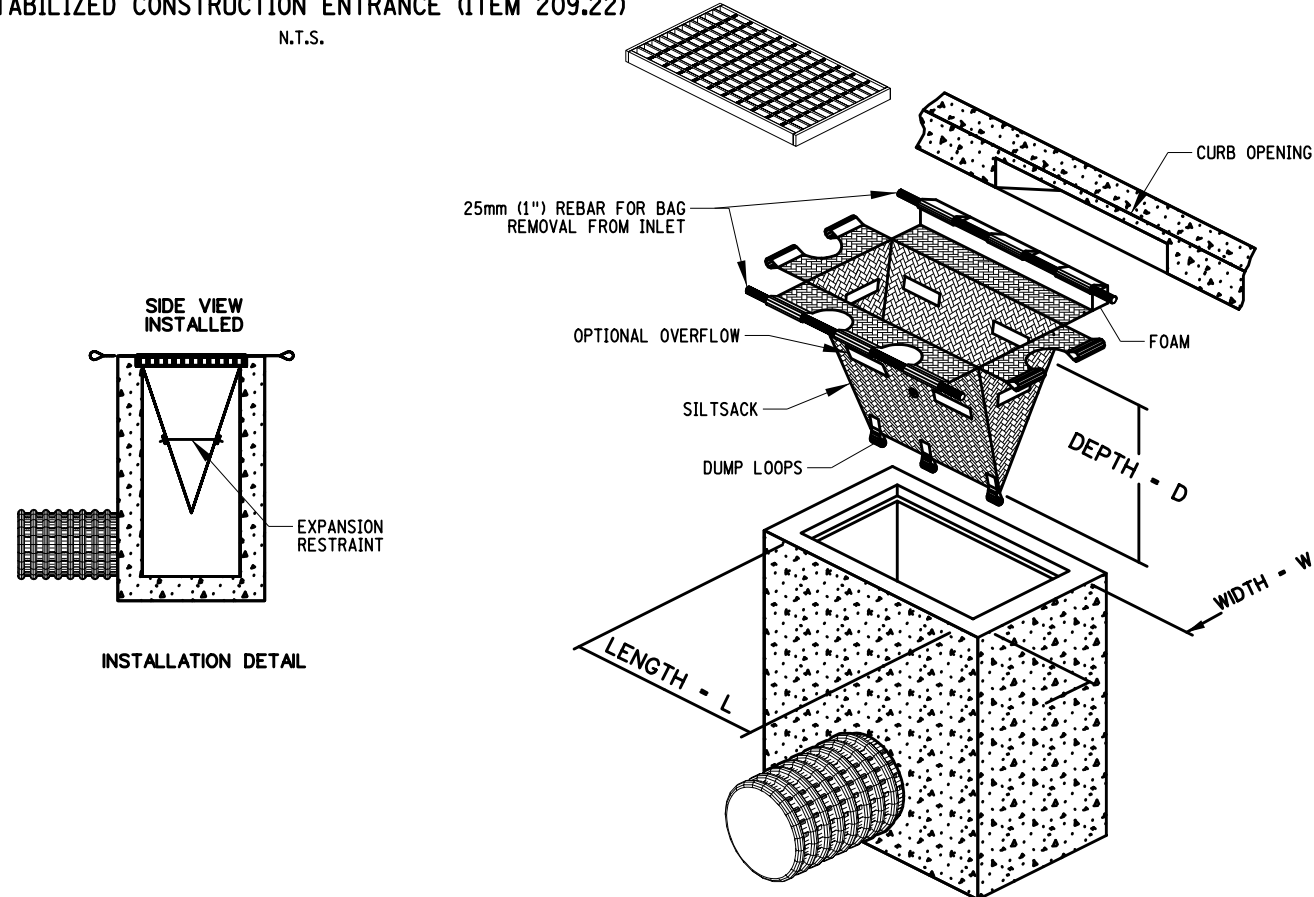
SOIL STOCKPILING DETAIL
N.T.S.



STABILIZED CONSTRUCTION ENTRANCE (ITEM 209.22)
N.T.S.

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING EROSION AND SEDIMENTATION CONTROLS AS SHOWN IN THE PLANS AND AS ORDERED BY THE ENGINEER.
2. THE CONTRACTOR IS RESPONSIBLE FOR STABILIZING DISTURBED AREAS NO LATER 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED.
3. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AFTER THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
4. THE CONTRACTOR SHALL COMPLY WITH ALL EROSION CONTROL NOTES ON SHEET GNN-02, GENERAL NOTES.



INLET SEDIMENT CONTROL DEVICE WITH CURB DEFLECTOR (ITEM 209.11020024)
("SILTSACK" PER ETG. KNOXVILLE, TN 865-938-7157 OR APPROVED EQUAL)
N.T.S.

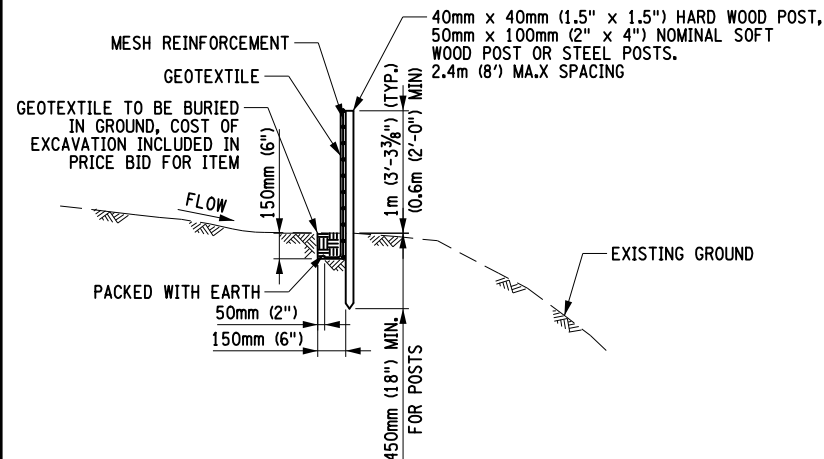
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			CITY OF BEACON		
DATE: OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: ESD-01
PE DB	DE SM	PM DW	EROSION AND SEDIMENT CONTROL DETAILS - 1		SCALE: AS SHOWN SHEET 48 OF 64

SILT FENCE APPLICATION NOTES:

- A. THE PRIMARY PURPOSE OF A SILT FENCE OR HAYBALE/STRAWBALE DIKE IS TO REDUCE RUNOFF VELOCITY AND TRAP SEDIMENT. VELOCITY IS REDUCED, WATER IS IMPOUNDED BEHIND THE MEASURE, AND SEDIMENT FALLS OUT OF SUSPENSION.
- B. STRAWBALE DIKES ARE USED IN SENSITIVE AREAS WHERE CONTROL OF WEEDS AND INVASIVE PLANT SPECIES IS DESIRED.
- C. SILT FENCE OR HAYBALE/STRAWBALE DIKE SHALL BE INSTALLED ON A LINE OF EQUAL ELEVATION (CONTOUR). THEY MAY BE INSTALLED AT INTERMEDIATE POINTS UP SLOPES AS WELL AS AT THE BOTTOM, AS SHOWN IN THE DETAIL.
- D. HAYBALE/STRAWBALE DIKE OR SILT FENCE SHALL NOT BE USED IN OR ACROSS A FLOWING NATURAL CHANNEL. CLASS II, TYPE A, JUTE MESH. JUTE MESH SHALL BE PLACED WITHOUT STRETCHING ON THE FRESHLY PREPARED SURFACE SO THAT IT LAYS LOOSELY ON THE SOIL AND IN CONTACT WITH THE SOIL AT ALL POINTS.

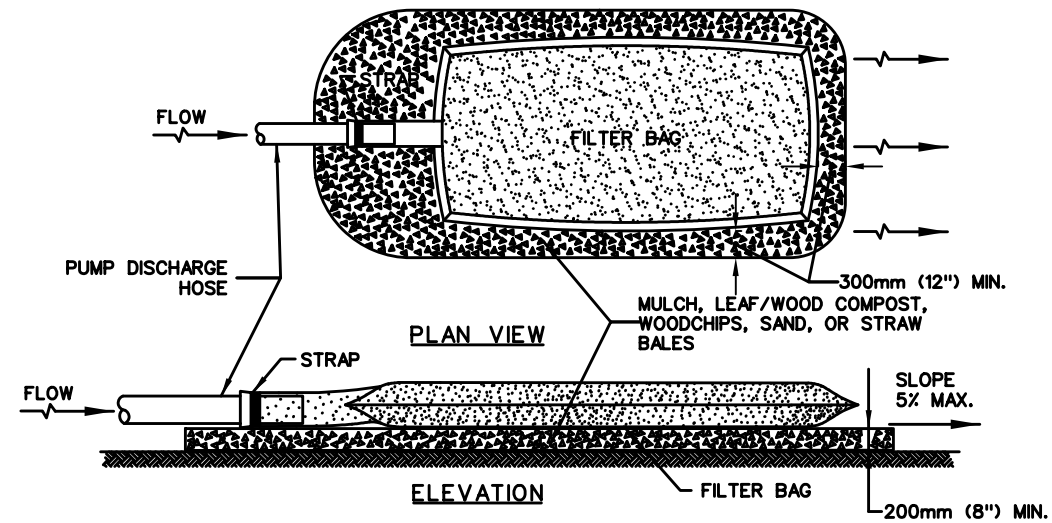


SILT FENCE (ITEM 209.13)

N.T.S.

SILT FENCE GENERAL NOTES:

- 1. SILT FENCE OR HAYBALE/STRAWBALE DIKE SHALL BE PLACED A MINIMUM OF 1.5m (5') FROM TOE OF SLOPE, 3.0m (10') PREFERRED, TO PROVIDE ADEQUATE AREA FOR SEDIMENT STORAGE AND FACILITATE MAINTENANCE OF SEDIMENT CONTAINMENT AREA.
 - 2. POSTS MAY BE 32x32 (1 1/4" x 1 1/4") (MINIMUM) HARDWOOD, 38x89 (1 1/2" x 3 1/2") (MINIMUM) SOFTWOOD, OR 2kg/m (MIN) STEEL. SPACING FOR THE PROVIDED SILT FENCE SHALL BE AS DESIGNATED ON THE DEPARTMENT APPROVED LIST FOR SILT FENCE.
 - 3. BALES FOR DIKE SHALL BE INSTALLED WITH CUT ENDS VERTICAL, AND BALES BURIED A MINIMUM OF 100mm (4").
 - 4. APPROVED SILT FENCE ASSEMBLIES ARE LISTED ON THE DEPARTMENT APPROVED LIST. ASSEMBLIES MAY HAVE 1.2m (4') OR 2.0m (6.5') POST SPACING, AND MAY OR MAY NOT HAVE MESH REINFORCEMENT, AS PER APPROVED LIST.
 - 5. THE BOTTOM EDGE OF SILT FENCE SHALL BE BURIED A MINIMUM OF 150mm (6") BELOW GROUND. THE FENCE SHALL BE INSTALLED WITH THE POSTS ON THE DOWNSTREAM SIDE OF THE FABRIC.
 - 6. MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS, AFTER EACH RAINFALL OF 12mm (1/2") OR MORE WITHIN A 12 HOUR PERIOD, OR DAILY DURING PROLONGED RAINFALL. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.
 - 7. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
 - 8. DRAINAGE AREAS:
MAXIMUM DRAINAGE AREA TRIBUTARY TO 30m (98.5') OF SILT FENCE SHALL BE 0.2 Ha.
MAXIMUM DRAINAGE AREA TRIBUTARY TO 30m (98.5') OF HAYBALE DIKE SHALL BE 0.1 Ha.
 - 9. THE FOLLOWING ARE MAXIMUM SLOPE LENGTHS TO THESE MEASURES:
- | SILT FENCE | | | HAYBALE DIKE | | |
|------------|--------------|--------------|--------------|--------------|--------------|
| SLOPE | SLOPE LENGTH | HORIZ LENGTH | SLOPE | SLOPE LENGTH | HORIZ LENGTH |
| | LS (m) | LH (m) | | LS (m) | LH (m) |
| 2:1 | 15 (49.21') | 13 (24.61') | 2:1 | 7.5 (24.61') | 13 (24.61') |
| 3:1 | 25 (82.02') | 24 (82.02') | 3:1 | 25 (82.02') | 24 (82.02') |
| 4:1 | 40 (131.23') | 39 (131.23') | 4:1 | 40 (131.23') | 39 (131.23') |
| 5:1 | 60 (196.85') | 60 (196.85') | 5:1 | 60 (196.85') | 60 (196.85') |
| >5:1 | 80 (262.47') | 80 (262.47') | >5:1 | 80 (262.47') | 80 (262.47') |
- 10. INSTALLATION, I.E. EXCAVATION, BACKFILL, COMPACTION, HAYBALE/STRAWBALE DIKES AND SILT FENCE SHALL BE INCLUDED IN UNIT PRICE BID FOR ITEM.



CONSTRUCTION SPECIFICATIONS

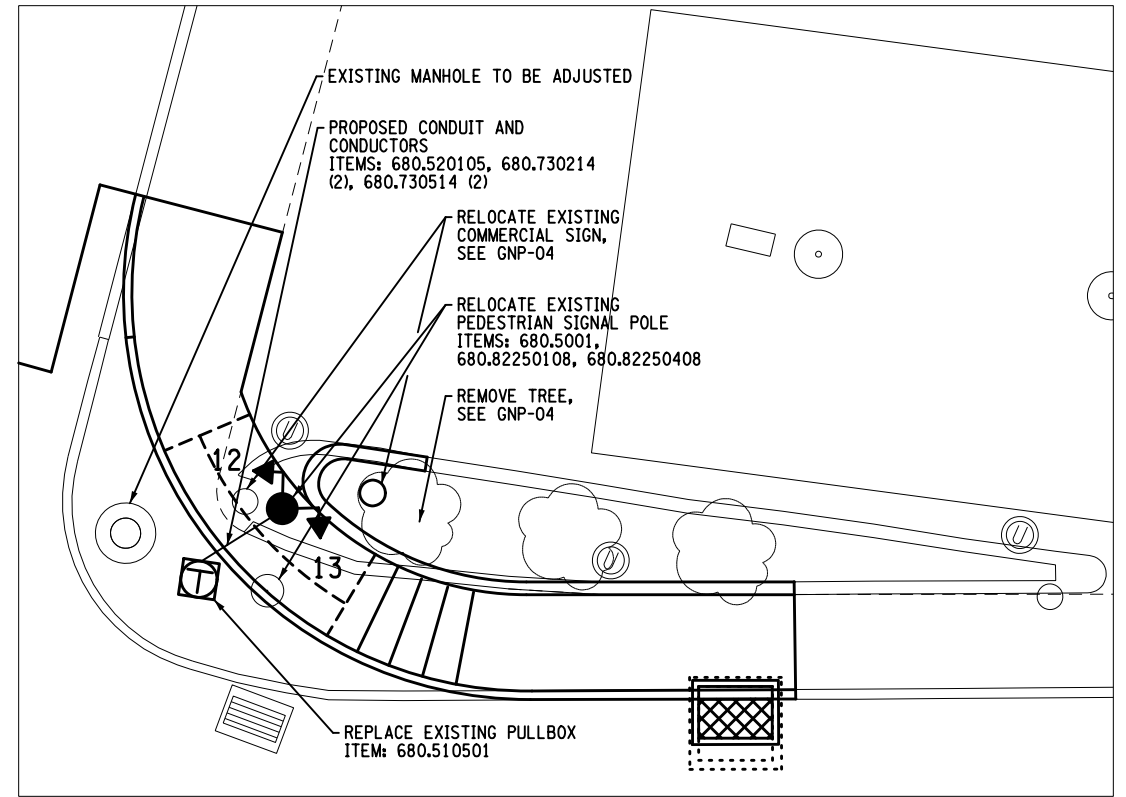
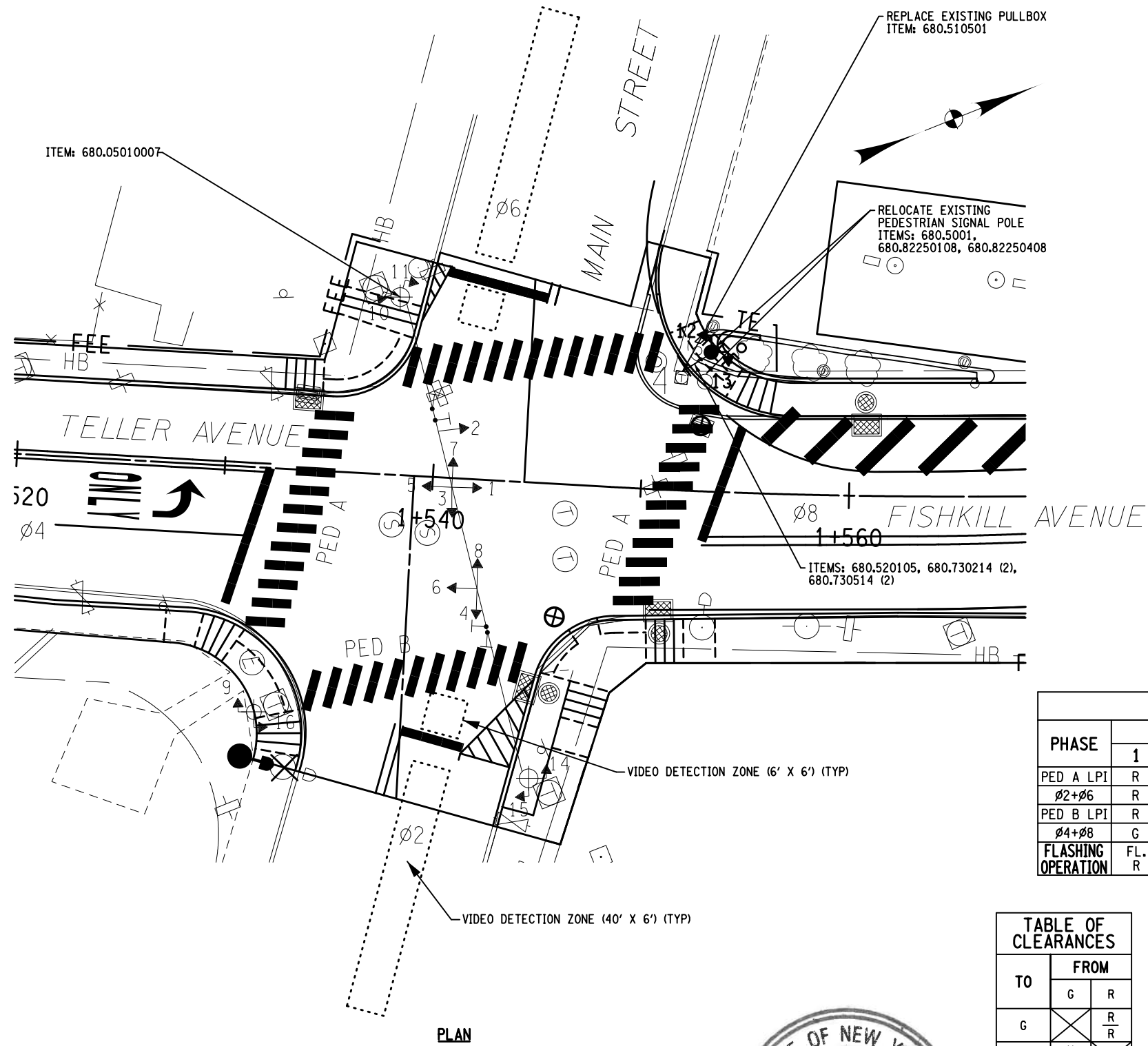
- 1. FILTER BAG SHALL BE PLACED IN AN AREA THAT IS ACCESSIBLE BY EQUIPMENT CAPABLE OF LIFTING A FULL BAG WITHOUT DRAGGING OR DAMAGING IT.
 - 2. WITH TIGHTLY SEAL SLEEVE AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR DEVICE.
 - 3. PLACE FILTER BAG ON SUITABLE BASE (E.G., MULCH, LEAF/WOOD COMPOST, WOODCHIPS, SAND, OR STRAW BALES) LOCATED ON A LEVEL OR 5% MAXIMUM SLOPING SURFACE. DISCHARGE TO A STABILIZED AREA. EXTEND BASE A MINIMUM OF 12 INCHES FROM EDGES OF BAG.
 - 4. CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS. AS THE BAG FILLS WITH SEDIMENT, REDUCE PUMPING RATE.
 - 5. REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST. SPREAD THE DEWATERED SEDIMENT FROM THE BAG IN AN APPROVED UPLAND AREA AND STABILIZE WITH SEED AND MULCH BY THE END OF THE WORK DAY. RESTORE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.
 - 6. USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE SLEEVE TO ACCOMMODATE A MAXIMUM 4 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS MINIMUM AVERAGE ROLL VALUES (MARV) FOR THE FOLLOWING:
- | | | |
|-----------------------------------|--------------------------------|-------------|
| GRAB TENSILE | 250 LB | ASTM D-4632 |
| PUNCTURE | 150 LB | ASTM D-4833 |
| FLOW RATE | 70 GAL/MIN/FT ^{37/64} | ASTM D-4491 |
| PERMITTIVITY (SEC ⁻¹) | 1.2 SEC ⁻¹ | ASTM D-4491 |
| UV RESISTANCE | 70% STRENGTH @ 500 HOURS | ASTM D-4355 |
| APPARENT OPENING SIZE (AOS) | 0.15-0.18 MM | ASTM D-4751 |
| SEAM STRENGTH | 90% | ASTM D-4632 |
- 7. REPLACE FILTER BAG IF BAG CLOGS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISPLACED.
 - 8. NO ADDITIONAL PAYMEN FOR THIS ITEM WILL BE MADE. THE COST OF DOING THIS WORK SHALL BE INCLUDED IN THE VARIOUS PAYMENT ITEMS.

GEOTEXTILE FABRIC SEDIMENT COLLECTION BAG (FILTER BAG) DETAIL

N.T.S.

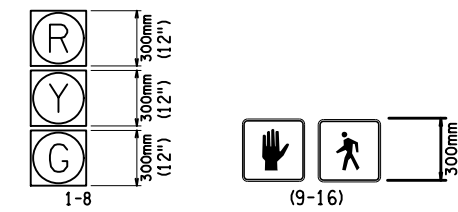


			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: ESD-02
PE DB	DE SM	PM DW	EROSION AND SEDIMENT CONTROL DETAILS - 2		SCALE: AS SHOWN
					SHEET 49 OF 64



NW CORNER DETAIL PLAN

SIGNAL FACES



PHASE	FACE															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PED A LPI	R	R	R	R	R	R	R	R	W	W	D.W.	D.W.	W	W	D.W.	D.W.
ø2+ø6	R	R	G	G	R	R	G	G	W	W	D.W.	D.W.	W	W	D.W.	D.W.
PED B LPI	R	R	R	R	R	R	R	R	D.W.	D.W.	W	W	D.W.	D.W.	W	W
ø4+ø8	G	G	R	R	G	G	R	R	D.W.	D.W.	W	W	D.W.	D.W.	D.W.	D.W.
FLASHING OPERATION	FL. R	FL. R	FL. Y	FL. Y	FL. R	FL. R	FL. Y	FL. Y	BLANK		BLANK		BLANK		BLANK	

TABLE OF QUANTITIES MAIN STREET

ITEM NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
619.1612	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT B)	INTM	6	
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1	
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	6.54	
680.510501	PULLBOX-RECTANGULAR, 26 X 18 INCH, REINFORCED CONCRETE	EA	1	
680.520105	CONDUIT, METAL STEEL, ZINC COATED, 1 1/2"	LF	9.84	
680.730214	SIGNAL CABLE, 2 CONDUCTOR, 14 AWG	LF	32.8	
680.730514	SIGNAL CABLE, 5 CONDUCTOR, 14 AWG	LF	32.8	
680.82250108	RELOCATE PEDESTRIAN PUSHBUTTONS AND SIGNS	EA	1	
680.82250408	RELOCATE PEDESTRIAN POLE	EA	1	

TABLE OF CLEARANCES

TO	FROM	
	G	R
G	X	R/R
R	Y/R	X



- NOTES:
- VIDEO DETECTION INPUTS USE SDLC PORT (INPUTS 33 TO 64).
 - CAMERAS MOUNTING HARDWARE HAS A HEIGHT OF APPROX. 10'.
 - DETECTION RANGE EQUATES TO APPROXIMATELY 6.5 FEET OF HORIZONTAL RANGE FOR EVERY 1 FOOT OF VERTICAL CAMERA ELEVATION. FOR EXAMPLE, SPAN POLE HEIGHT OF 30 FT + 10 FT MOUNTING HARDWARE = 40 FT X 6.5 FT = 260 FT RANGE.
 - DETECTION ZONE PLACEMENT IS APPROXIMATE. CONTRACTOR SHALL MODIFY ZONES AS NEEDED TO ENSURE VEHICLE ACTUATION BASED ON TURNING PATHS.

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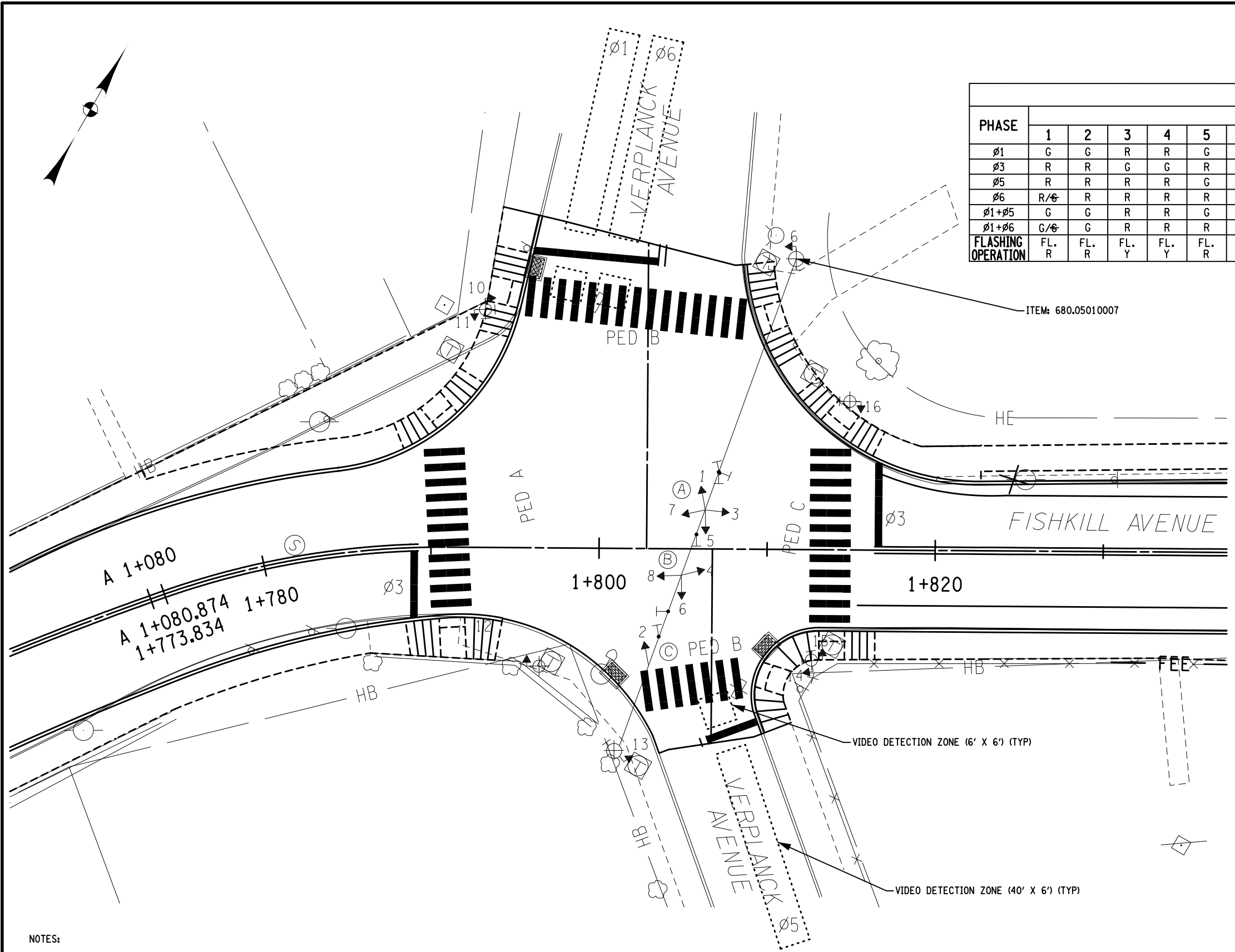
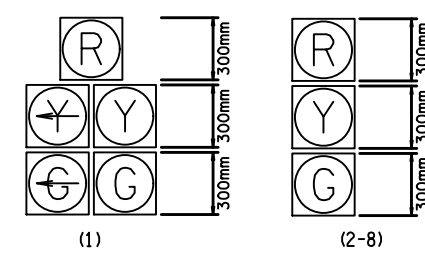
		CITY OF BEACON	
DATE:	OCTOBER 2023	PROJECT:	PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES
NO:		NO:	TSP-1
PE	DB	DE	SM
		PM	DW
SIGNAL PLAN		SCALE:	AS SHOWN
		SHEET	50 OF 64

TABLE OF OPERATIONS

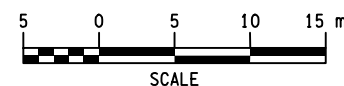
PHASE	FACE															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
ø1	G	G	R	R	G	R	R	R	D.W.	D.W.	W	W	D.W.	D.W.	W	W
ø3	R	R	G	G	R	R	G	G	W	W	D.W.	D.W.	W	W	D.W.	D.W.
ø5	R	R	R	R	G	G	R	R	D.W.	D.W.	W	W	D.W.	D.W.	W	W
ø6	R/ø	R	R	R	R	R	R	R	D.W.	D.W.	W	W	D.W.	D.W.	D.W.	D.W.
ø1+ø5	G	G	R	R	G	G	R	R	D.W.	D.W.	W	W	D.W.	D.W.	W	W
ø1+ø6	G/ø	G	R	R	R	R	R	R	D.W.	D.W.	W	W	D.W.	D.W.	D.W.	D.W.
FLASHING OPERATION	FL. R	FL. R	FL. Y	FL. Y	FL. R	FL. R	FL. Y	FL. Y	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK

TABLE OF CLEARANCES

		FROM		
		G	G/ø	R
TO	G	G/G	G/ø/R	R/R
	G/ø	G/G	X	R/R
	R	Y/R	Y/ø/R	R/R

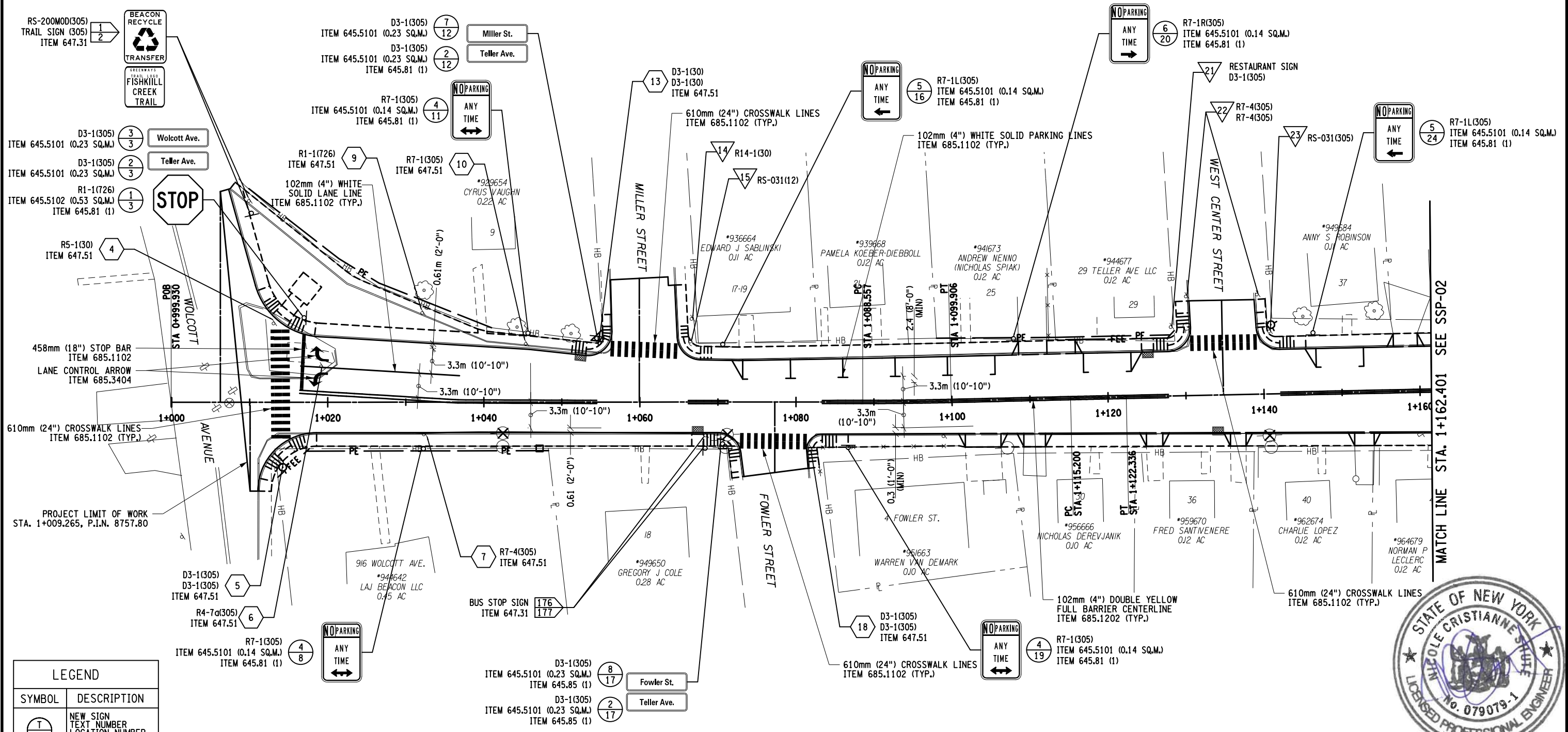
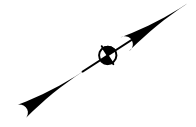


- NOTES:
- VIDEO DETECTION INPUTS USE SDLC PORT (INPUTS 33 TO 64).
 - CAMERAS MOUNTING HARDWARE HAS A HEIGHT OF APPROX. 10'.
 - DETECTION RANGE EQUATES TO APPROXIMATELY 6.5 FEET OF HORIZONTAL RANGE FOR EVERY 1 FOOT OF VERTICAL CAMERA ELEVATION. FOR EXAMPLE, SPAN POLE HEIGHT OF 30 FT + 10 FT MOUNTING HARDWARE = 40 FT X 6.5 FT = 260 FT RANGE.
 - DETECTION ZONE PLACEMENT IS APPROXIMATE. CONTRACTOR SHALL MODIFY ZONES AS NEEDED TO ENSURE VEHICLE ACTUATION BASED ON TURNING PATHS.

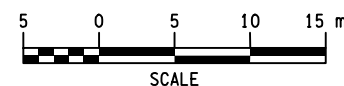


			CITY OF BEACON		
DATE: OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: TSP-2
PE DB	DE SM	PM DW	SIGNAL PLAN		SCALE: AS SHOWN
					SHEET 51 OF 64

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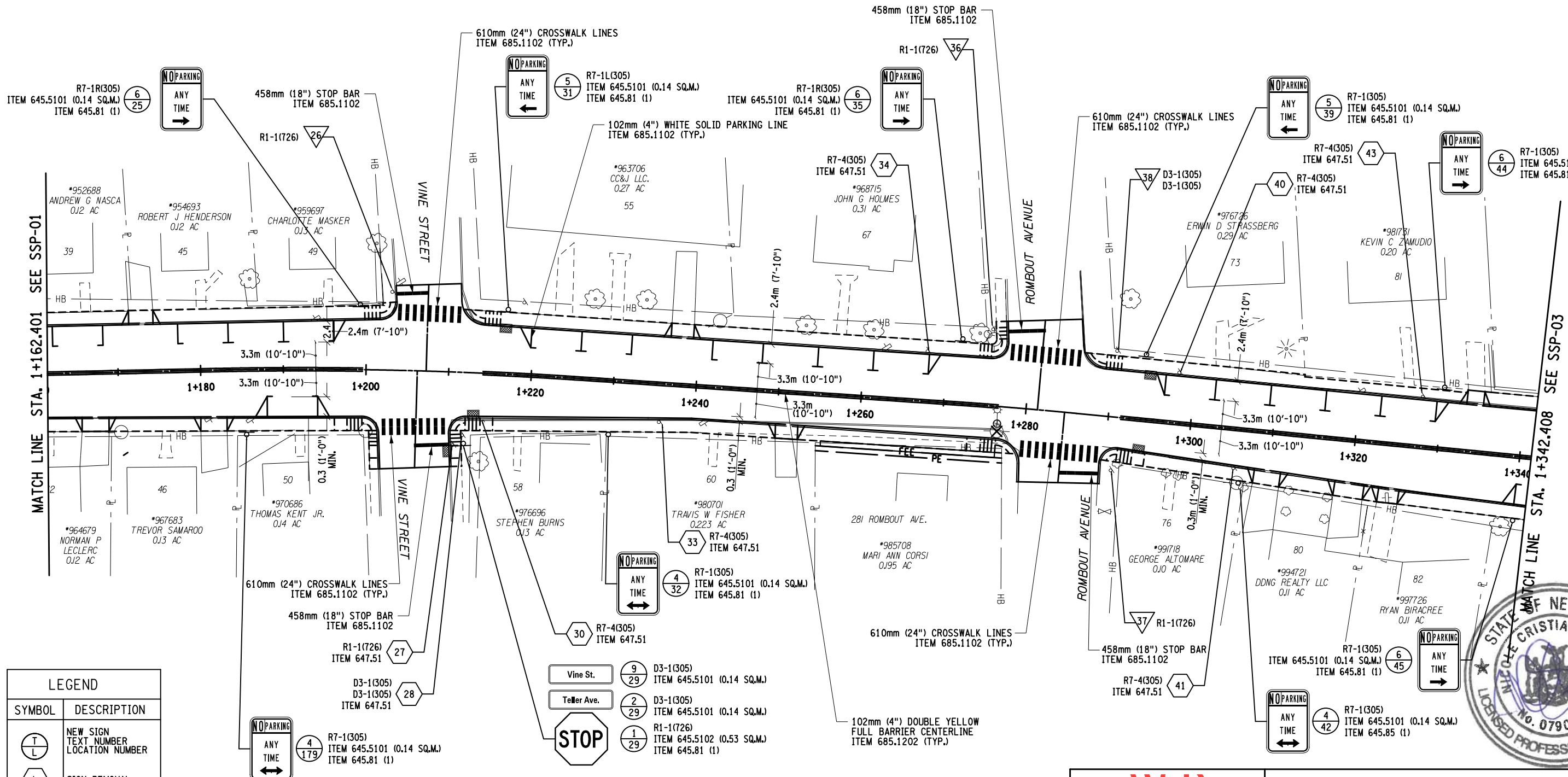
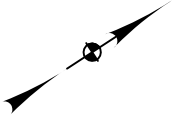
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	SIGN REMOVAL
	RELOCATE TO POSITION SHOWN
	TO REMAIN



		CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	
DB	SM	DW	NO: SSP-01
SIGNING & STRIPING PLANS			SCALE: AS SHOWN
			SHEET 52 OF 64

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MATCH LINE STA. 1+162.401 SEE SSP-02

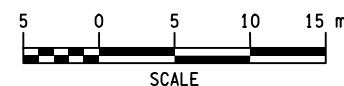


MATCH LINE STA. 1+162.401 SEE SSP-01

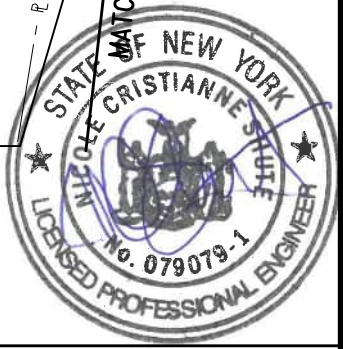
MATCH LINE STA. 1+342.408 SEE SSP-03

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	SIGN REMOVAL
	RELOCATE TO POSITION SHOWN
	TO REMAIN

- Vine St. 9 D3-1(305) ITEM 645.5101 (0.14 SQ.M.)
- Teller Ave. 2 D3-1(305) ITEM 645.5101 (0.14 SQ.M.)
- 1 R1-1(726) ITEM 645.5102 (0.53 SQ.M.)
- 29 R1-1(726) ITEM 645.81 (1)

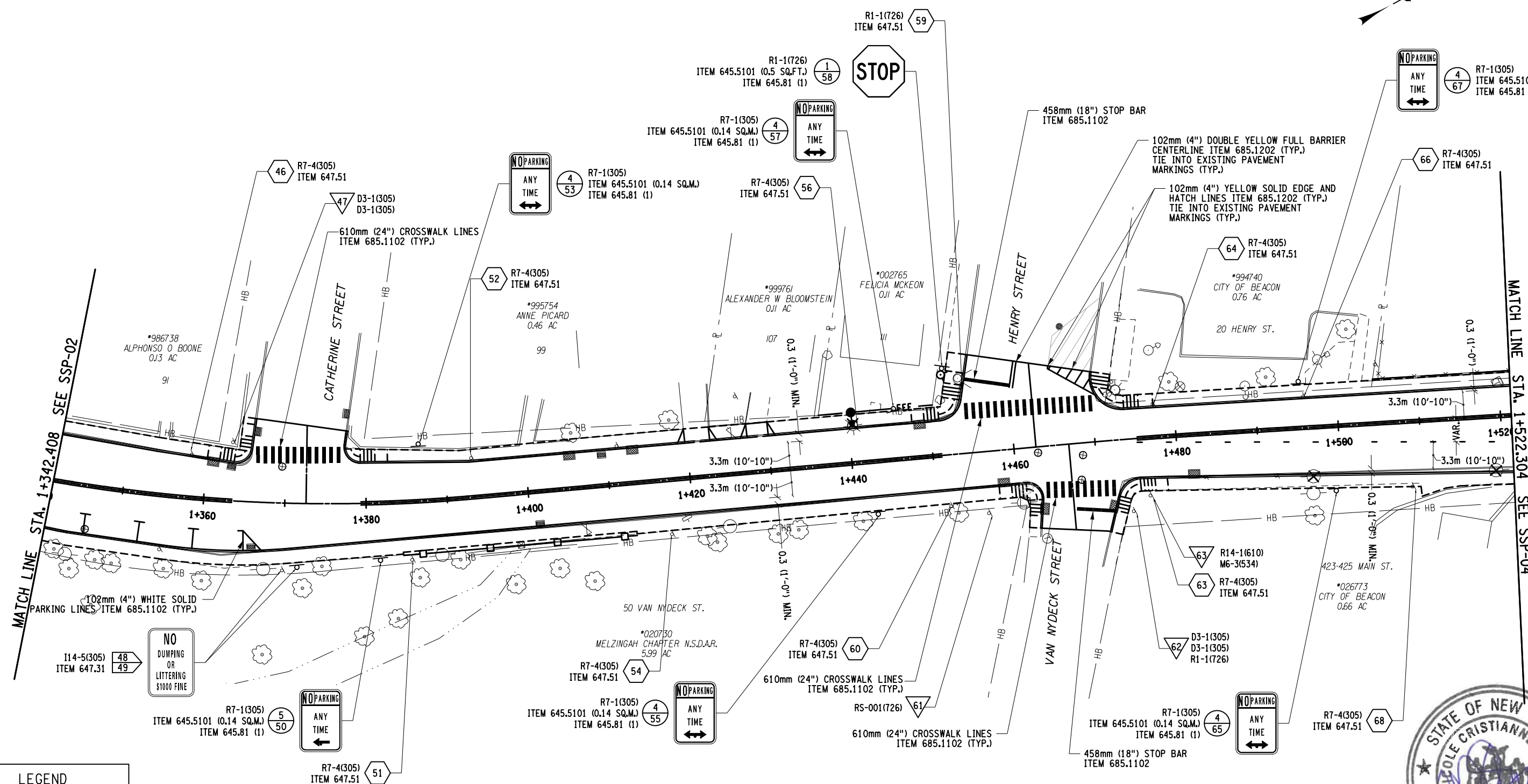


		CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	
PE DB	DE SM	PM DW	NO: SSP-02
SIGNING & STRIPING PLANS			SCALE: AS SHOWN
			SHEET 53 OF 64

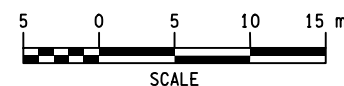


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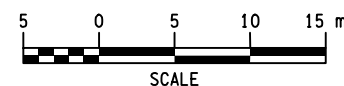
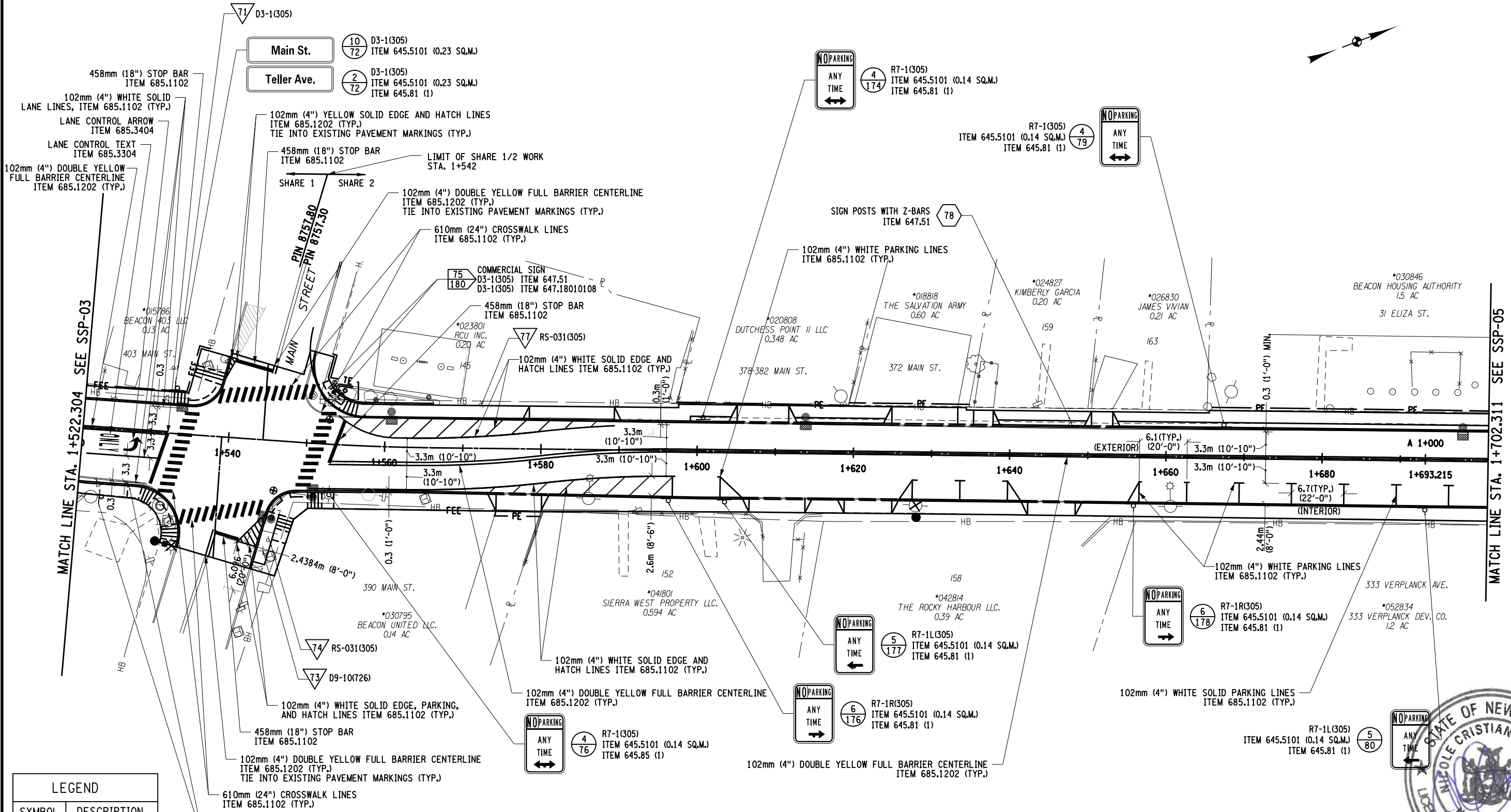
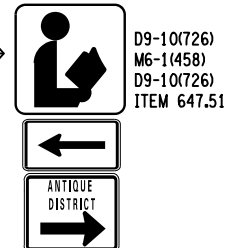
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	TO REMAIN



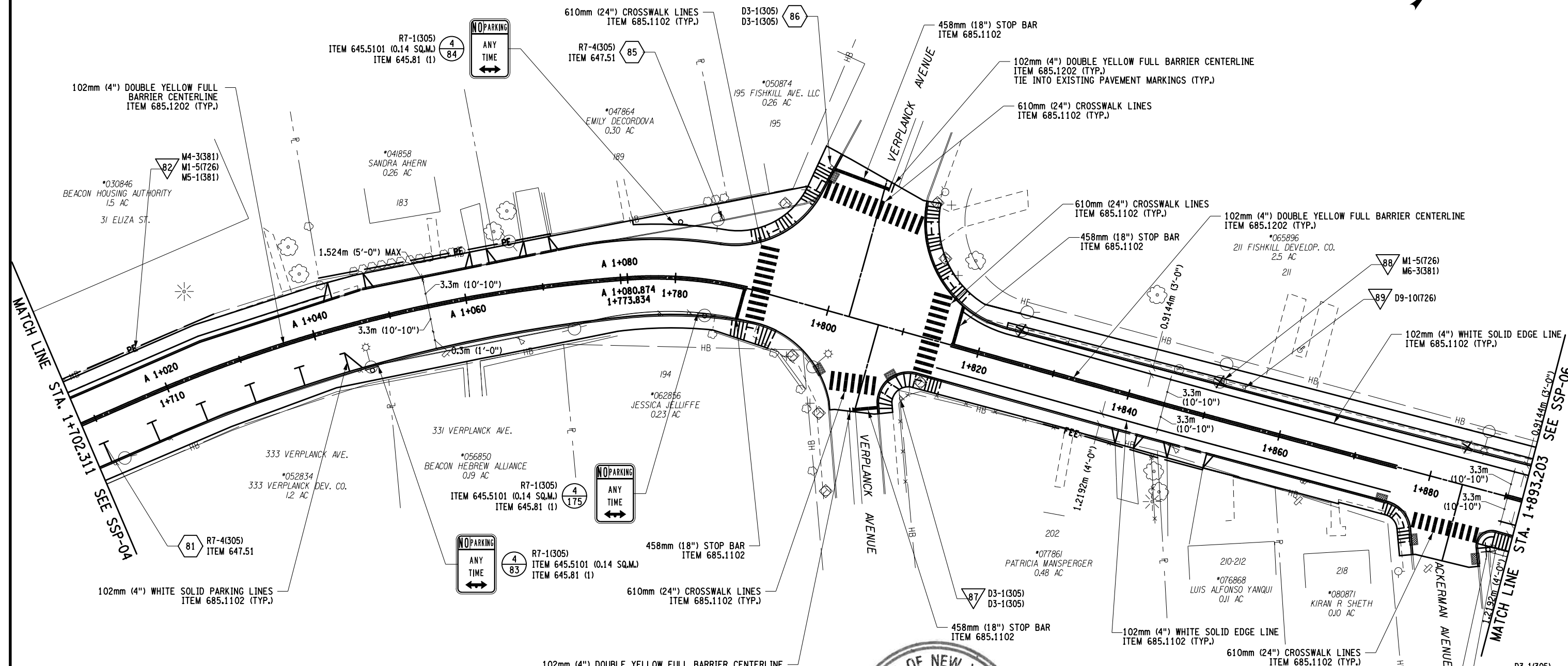
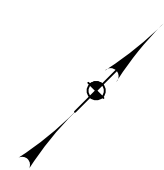
		CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	
PE DB	DE SM	PM DW	NO: SSP-03
SIGNING & STRIPING PLANS			SCALE: AS SHOWN
			SHEET 54 OF 64

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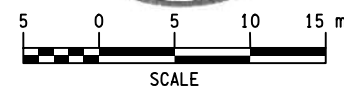
LEGEND	
SYMBOL	DESCRIPTION
	NEW SIGN TEXT NUMBER LOCATION NUMBER
	SIGN REMOVAL
	RELOCATE TO POSITION SHOWN
	TO REMAIN



			CITY OF BEACON		
					DATE: OCTOBER 2023
PE DB	DE SM	PM DW	SIGNING & STRIPING PLANS	SCALE: AS SHOWN	SHEET 55 OF 64

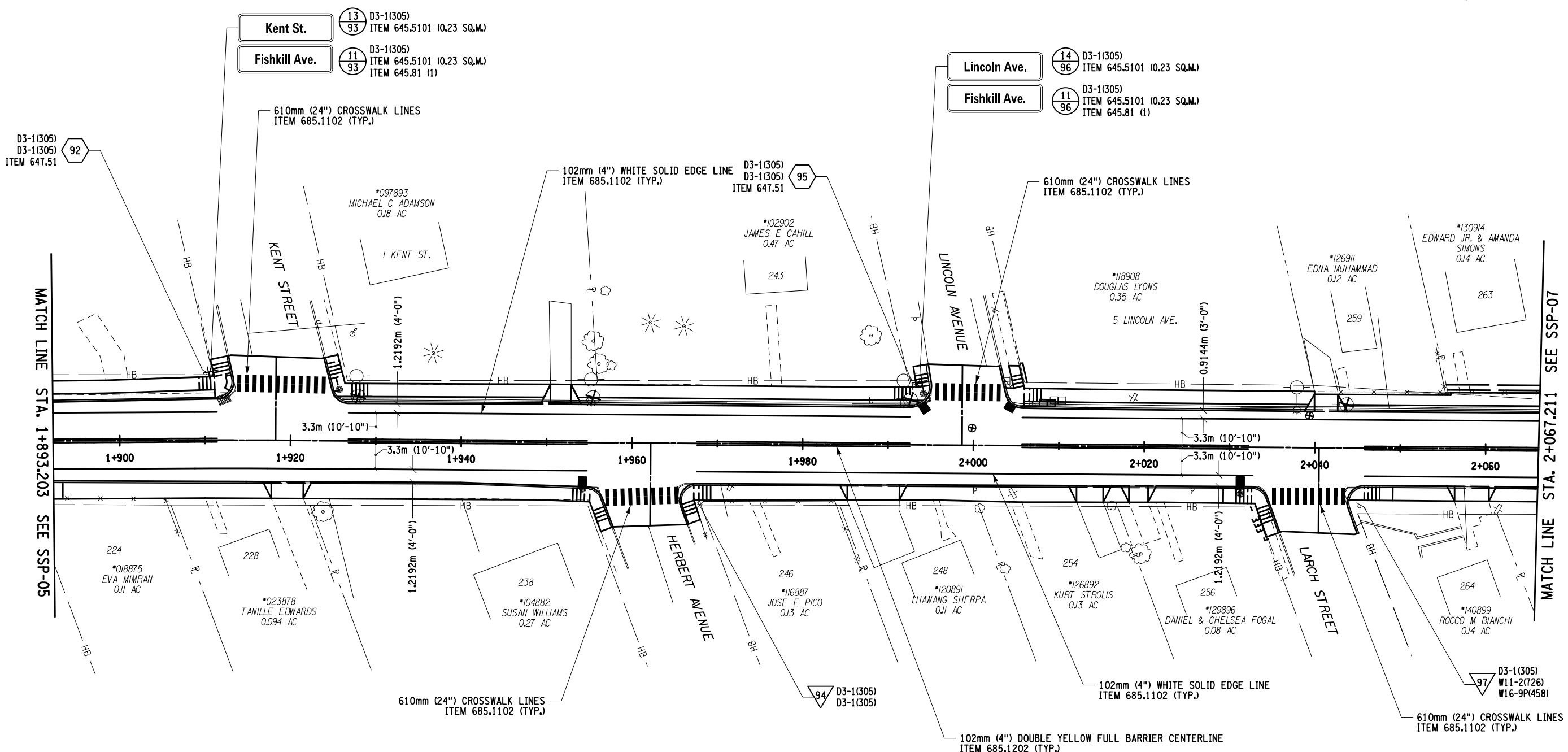


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	NEW SIGN TEXT NUMBER LOCATION NUMBER
	SIGN REMOVAL
	RELOCATE TO POSITION SHOWN
	TO REMAIN



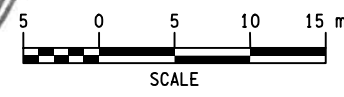
		CITY OF BEACON			
				DATE: OCTOBER 2023	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES
PE DB	DE SM	PM DW	SIGNING & STRIPING PLANS	SCALE: AS SHOWN	SHEET 56 OF 64

FILE NAME = DGN\SPEC\0123456789\0123456789\0123456789\01234
 DATE/TIME = DGN\SYTIME\0123456
 USER = DGN\USER\NAME



FILE NAME = DGN\SPEC\0123456789\0123456789\0123456789\01234
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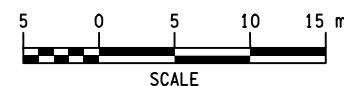
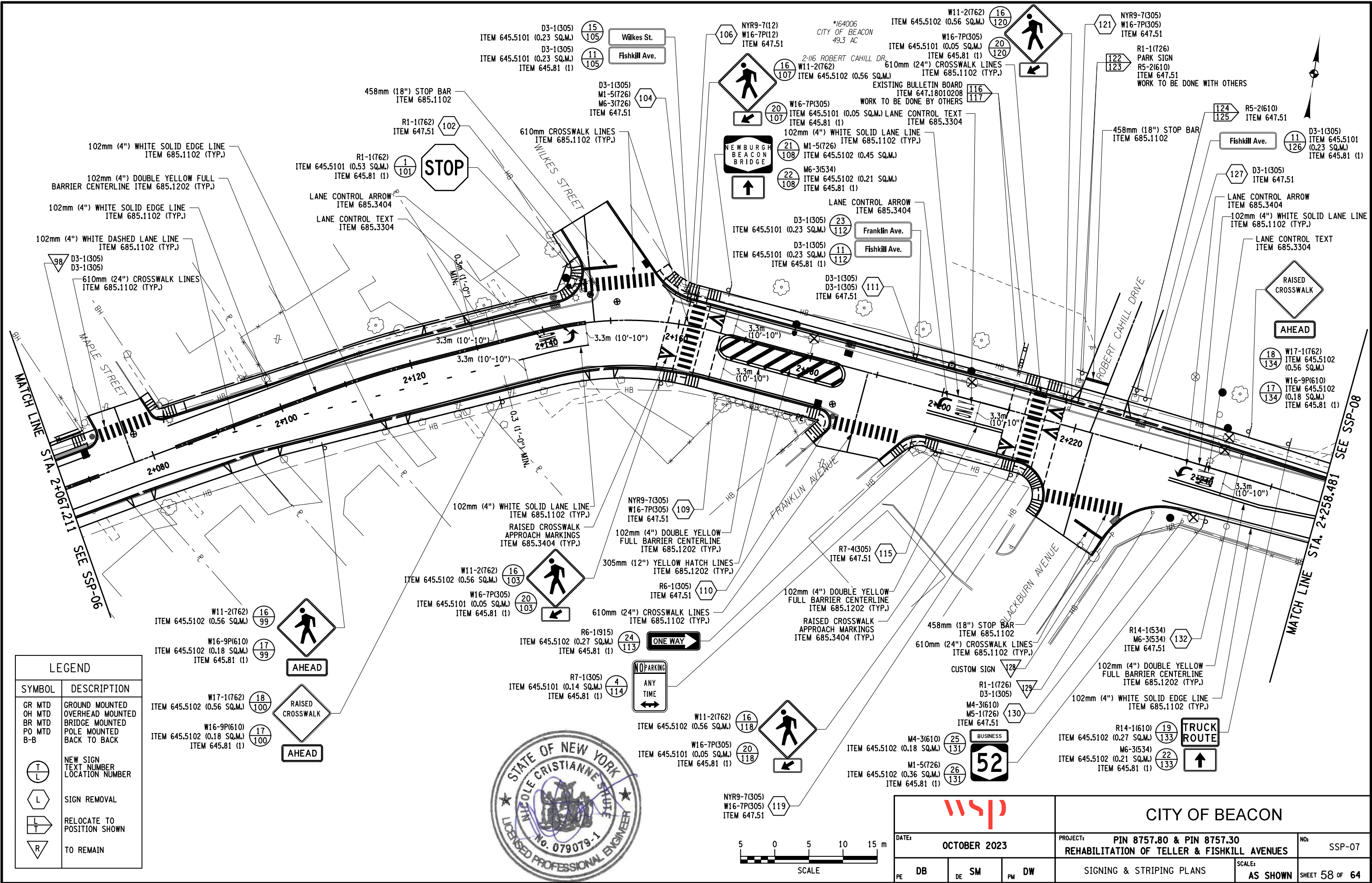
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SYMBOL	DESCRIPTION
	NEW SIGN TEXT NUMBER LOCATION NUMBER
	SIGN REMOVAL
	RELOCATE TO POSITION SHOWN
	TO REMAIN



			CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: SSP-06
PE: DB	DE: SM	PM: DW	SCALE: AS SHOWN	SHEET 57 OF 64

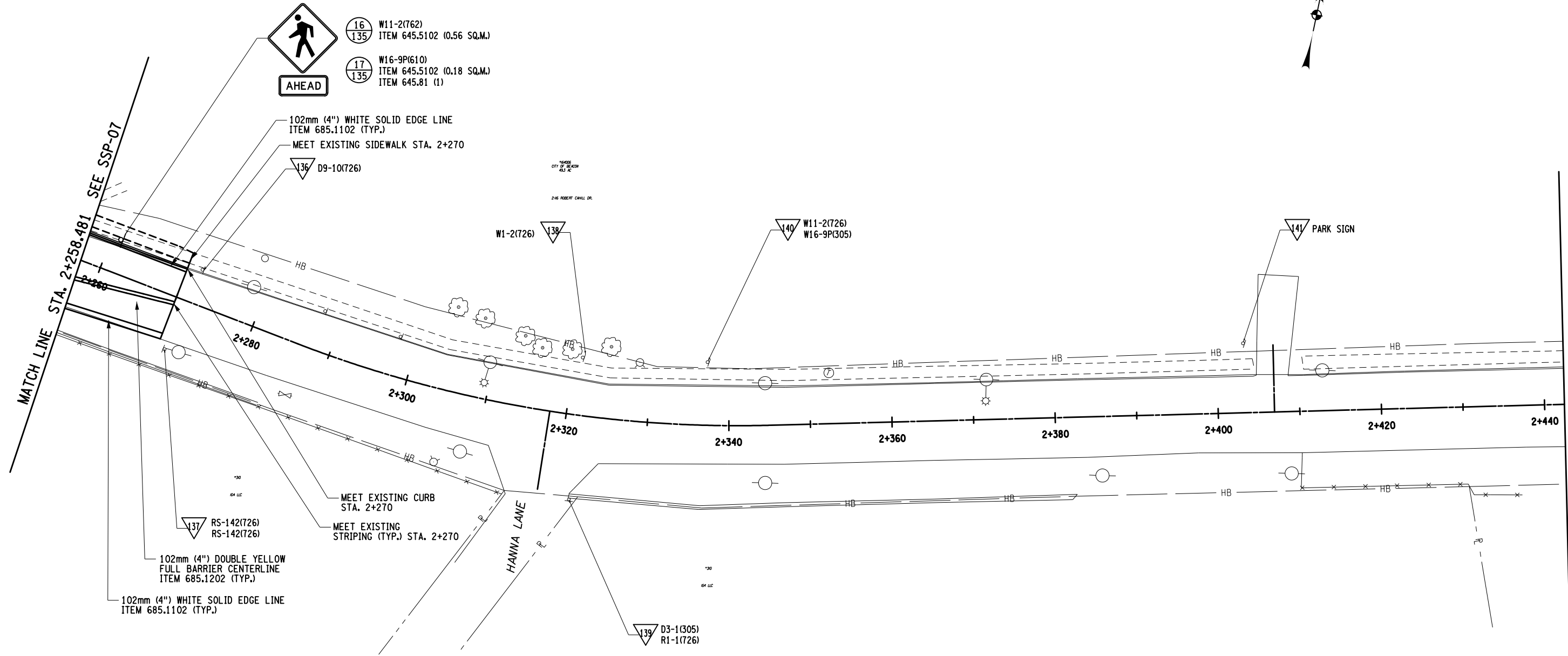
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 DATE/TIME = DGN\SYTIME\0123456
 USER = DGN\USERNAME

LEGEND	
SYMBOL	DESCRIPTION
GR MTD	GROUND MOUNTED
OH MTD	OVERHEAD MOUNTED
BR MTD	BRIDGE MOUNTED
PO MTD	POLE MOUNTED
B-B	BACK TO BACK
(T) (L)	NEW SIGN TEXT NUMBER LOCATION NUMBER
(L)	SIGN REMOVAL
(L) (T)	RELOCATE TO POSITION SHOWN
(R)	TO REMAIN

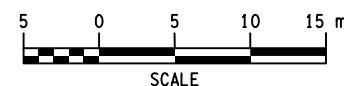


wsp		CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	
PE: DB	DE: SM	PM: DW	NO: SSP-07
SIGNING & STRIPING PLANS			SCALE: AS SHOWN
			SHEET 58 OF 64

FILE NAME = DGN&SPEC01234567890123456789012345678901234
 DATE/TIME = DGN&SYTIME0123456
 USER = DGN&USERNAME



LEGEND	
SYMBOL	DESCRIPTION
	NEW SIGN LOCATION NUMBER TEXT NUMBER
	SIGN REMOVAL
	RELOCATE TO POSITION SHOWN
	TO REMAIN



			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: SSP-08
PE DB	DE SM	PM DW	SIGNING & STRIPING PLANS	SCALE: AS SHOWN	SHEET 59 OF 64

DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)	
				AREA (SEE NOTE 3)	TOTAL PAYMENT AREA	
R1-1	3,29,58,101		645.5102	30" X 30"	6.25 SF	
				6.25 SF	25 SF	
D3-1	3,12,17,29,72	Teller Ave.	645.5101	30" X 12"	2.5 SF	
				2.5 SF	12.5 SF	
D3-1	3	Wolcott Ave.	645.5101	30" X 12"	2.5 SF	
				2.5 SF	2.5 SF	
R7-1	8,11,19,32,42,53,55, 57,65,67,76,79,83,84, 114,174,175,179		645.5101	12" X 18"	1.5 SF	
				1.5 SF	27 SF	
R7-1L	16,24,31,39,50,80,177		645.5101	12" X 18"	1.5 SF	
				1.5 SF	10.5 SF	
R7-1R	20,25,35,44,45, 176,178		645.5101	12" X 18"	1.5 SF	
				1.5 SF	10.5 SF	
D3-1	12	Miller St.	645.5101	30" X 12"	2.5 SF	
				2.5 SF	2.5 SF	
D3-1	17	Fowler St.	645.5101	30" X 12"	2.5 SF	
				2.5 SF	2.5 SF	
D3-1	29	Vine St.	645.5101	30" X 12"	2.5 SF	
				2.5 SF	2.5 SF	
D3-1	72	Main St.	645.5101	30" X 12"	2.5 SF	
				2.5 SF	2.5 SF	





DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)	
				AREA (SEE NOTE 3)	TOTAL PAYMENT AREA	
D3-1	90,93,96,105,112 126	Fishkill Ave.	645.5101	30" X 12"	2.5 SF	
				2.5 SF	15 SF	
D3-1	90	Ackerman Ave.	645.5101	30" X 12"	2.5 SF	
				2.5 SF	2.5 SF	
D3-1	93	Kent St.	645.5101	30" X 12"	2.5 SF	
				2.5 SF	2.5 SF	
D3-1	96	Lincoln Ave.	645.5101	30" X 12"	2.5 SF	
				2.5 SF	2.5 SF	
D3-1	105	Wilkes St.	645.5101	30" X 12"	2.5 SF	
				2.5 SF	2.5 SF	
W11-2	99,103,107,118, 120,135		645.5102	24" X 24"	4 SF	
				4 SF	24 SF	
W16-9P	99,100,134,135	AHEAD	645.5102	30" X 12"	2.5 SF	
				2.5 SF	10 SF	
W17-1	100,134	RAISED CROSSWALK	645.5102	24" X 24"	4 SF	
				4 SF	8 SF	
R14-1	133	TRUCK ROUTE	645.5102	24" X 18"	3 SF	
				3 SF	3 SF	
W16-7P	103,107,118,120		645.5101	24" X 12"	2 SF	
				2 SF	8 SF	

- SIGNING NOTES:**
- SIGN LOCATIONS AS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL INSTALL NEW SIGNS AND RELOCATE EXISTING SIGNS IN ACCORDANCE WITH THE MUTCD AND NYS SUPPLEMENT.
 - THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
 - THE AREA AND PAYMENT AREA FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.
 - ALL D3-1 SIGN LENGTHS APPROXIMATE. LENGTHS TO BE DETERMINED BY MANUFACTURER. STREET NAME TEXT CASE SHOULD BE FIRST LETTER UPPERCASE (6") ALL OTHERS LOWER CASE (4.5").

FILE NAME = DGN\$SPEC01234567890123456789012345678901234
DATE/TIME = DGN\$SYTIME0123456
USER = DGN\$USERNAME




			CITY OF BEACON		
DATE: OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: SDS-01
PE DB	DE SM	PM DW	SIGN DATA SHEET		SCALE: AS SHOWN
					SHEET 60 OF 64

DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)	
				AREA (SEE NOTE 3)	TOTAL PAYMENT AREA	
M1-5	108		645.5102	21	24" X 24"	4 SF
				1	4 SF	4 SF
M6-3	108,133		645.5102	22	21" X 15"	2.2 SF
				2	2.2 SF	4.4 SF
D3-1	112	Franklin Ave.	645.5101	23	30" X 12"	2.5 SF
				1	2.5 SF	2.5 SF
R6-1	113		645.5102	24	36" X 12"	3 SF
				1	3 SF	3 SF
M4-3	131	BUSINESS	645.5102	25	30" X 12"	2.5 SF
				1	2.5 SF	2.5 SF
M1-5	131		645.5102	26	24" X 24"	4 SF
				1	4 SF	4 SF

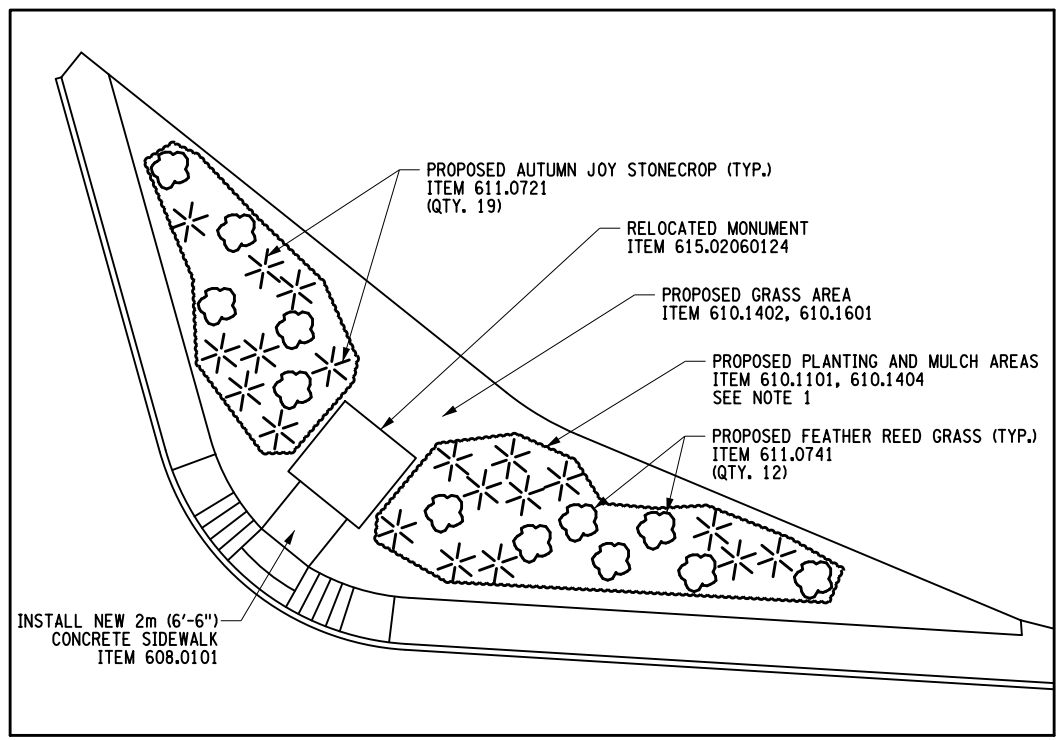
SIGNING NOTES:
SEE SDS-01 FOR SIGN NOTES

FILE NAME = DGN\$SPEC01234567890123456789012345678901234
DATE/TIME = DGN\$SYTIME0123456
USER = DGN\$USERNAME

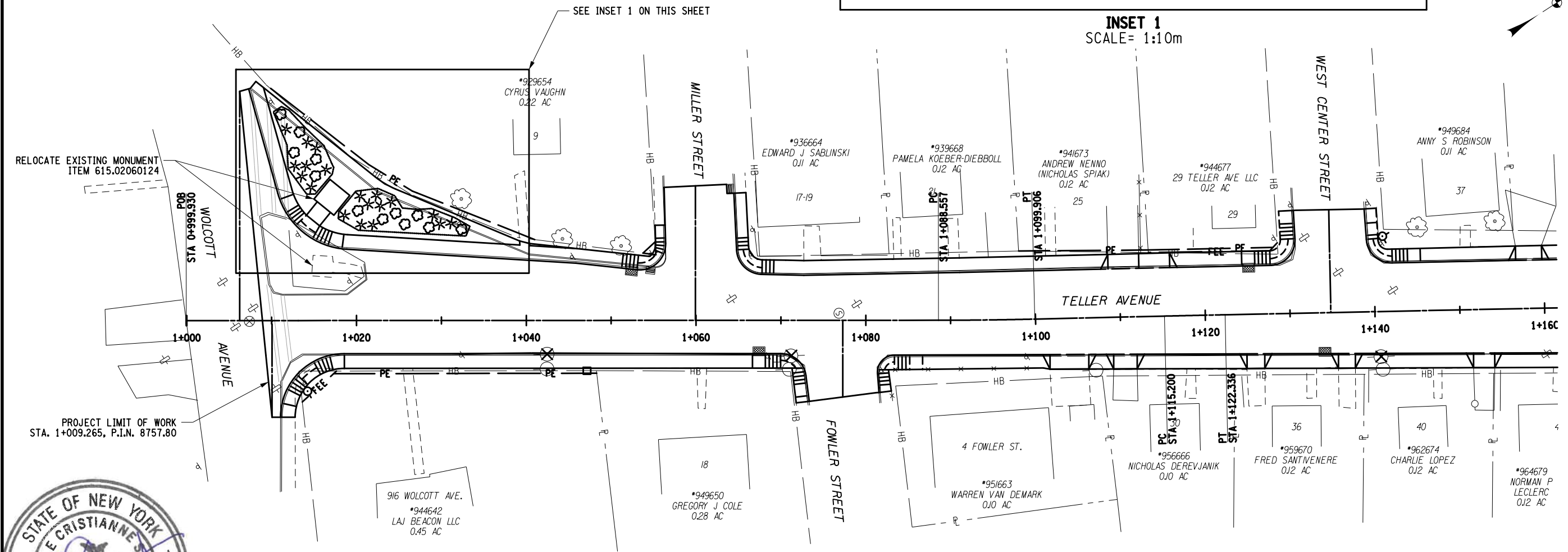


			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: SDS-02
PE DB	DE SM	PM DW	SIGN DATA SHEET		SCALE: AS SHOWN
					SHEET 61 OF 64

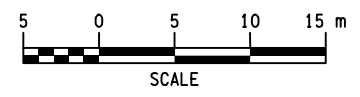
NOTES:
 1. ALL PLANT SHALL HAVE AT LEAST 0.610M (2') OF PLANTING TOPSOIL AND MULCH SURROUNDING THE BASE OF EACH PLANT. PLANTS WITHIN CLOSE PROXIMITY OF EACH OTHER SHALL SHARE A COMMON BED. PAID FOR UNDER ITEMS 610.1101 AND 610.1404.



INSET 1
SCALE = 1:10m



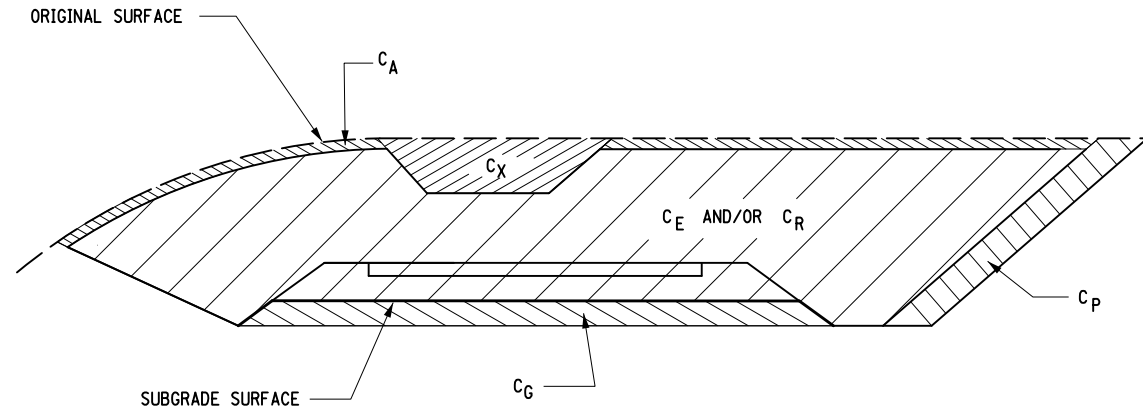
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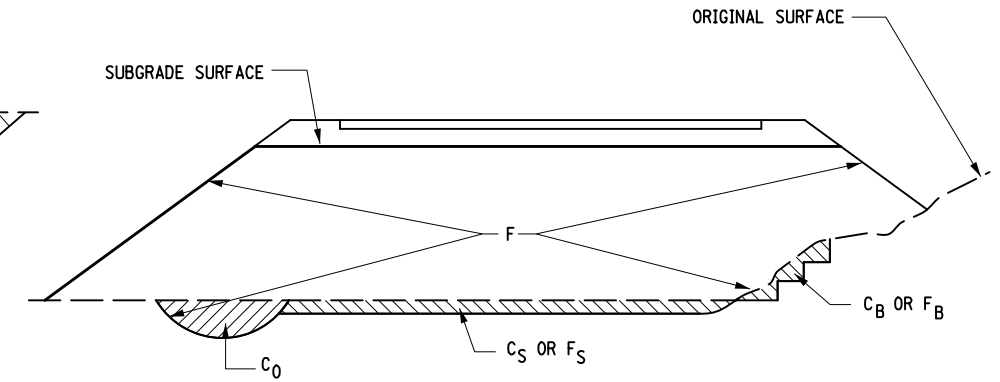
			CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: LAP-01
PE DB	DE SM	PM DW	SCALE: AS SHOWN	SHEET 62 OF 64

**SUMMARY OF EARTHWORK
(ITEMS 203.02 AND 203.03 ONLY)**

SOURCE	EXCAVATION			ITEM 203.02	ITEM 203.03
	T _E	C _R	T _U	C _T	F _T
SHARE 1 - MONUMENT RELOCATION / POCKET PARK	134.7 CY	0	134.7 CY	134.7 CY	234 CY
SHARE 1 - CURB & SIDEWALK REPLACEMENT	1012.3 CY	0	1012.3 CY	1012.3 CY	0
SHARE 2 - CURB & SIDEWALK REPLACEMENT	1495 CY	0	1495 CY	1495 CY	0
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TOTALS	2642 CY	-----	2642 CY	2642 CY	234 CY



CUT SECTION



FILL SECTION

**SUMMARY OF TRENCH AND CULVERT EXCAVATION
(ITEM 206.0201 ONLY)**

SOURCE	EXCAVATION		ITEM 206.0201
	ROCK	NON-ROCK	
SHARE 1 (MH, CB, PIPE)	0	2014 CY	2014 CY
SHARE 2 (MH, CB, PIPE)	0	759 CY	759 CY
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TOTALS	0	2773 CY	2773 CY

DEFINITIONS:

- C_B - EXCAVATION FOR REQUIRED BENCHING, (BOTH LONGITUDINAL AND TRANSVERSE).
- C_G - EXCAVATION FOR SUBGRADE IMPROVEMENT.
- C_P - EXCAVATION FROM CUT SLOPE NECESSARY TO PLACE SLOPE PROTECTION.
- C_E - PORTION OF CUT ASSUMED TO BE EARTH SUITABLE FOR EMBANKMENT CONSTRUCTION, EXCLUDING C_G AND C_P.
- T_E - (C_B + C_G + C_P + C_E) TOTAL EARTH EXCAVATION ASSUMED SUITABLE FOR EMBANKMENT CONSTRUCTION.
- C_A - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) IN CUT.
- C_S - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) UNDER EMBANKMENT.
- C_X - EXCAVATION OF UNSUITABLE MATERIAL IN CUT: SWAMP OR DUMP
- C₀ - EXCAVATION OF UNSUITABLE MATERIAL BENEATH EMBANKMENT: SWAMP OR DUMP
- T_U - (C_A + C_S + C_X + C₀) TOTAL EXCAVATION ASSUMED UNSUITABLE FOR EMBANKMENT CONSTRUCTION.
- C_R - PORTION OF CUT ASSUMED TO BE ROCK, INCLUDING C_G IF APPLICABLE.
- C_T - (T_E + T_U + C_R) TOTAL EXCAVATION.

DEFINITIONS:

- F_B - FILL REQUIRED TO REPLACE BENCHES.
- F_S - FILL REQUIRED TO REPLACE TOPSOIL REMOVED BENEATH EMBANKMENTS.
- F - FILL REQUIRED TO COMPLETE EMBANKMENT TO SUBGRADE SURFACE AND SIDE-SLOPES AFTER FOUNDATION IS PREPARED.
- F_T - (F_B + F_S + F) TOTAL FILL REQUIRED.
- T_A - (T_E × F_E + C_R × F_R) THE VOLUME WHICH THE SUITABLE EXCAVATED MATERIAL COULD OCCUPY IN EMBANKMENT.
- F_E - SHRINKAGE FACTOR FOR EARTH
- F_R - SWELL FACTOR FOR ROCK

NOTES:

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THESE TABLES ARE ESTIMATED, AND ARE PROVIDED FOR THE PURPOSE OF PREPARING AN ESTIMATE. THEY ARE NOT TO BE CONSTRUED AS BEING EXACT. THEY ARE INTENDED TO QUANTIFY AND QUALIFY THE NATURE OF THE WORK TO BE PERFORMED. SIGNIFICANT DIFFERENCE FROM THIS REPRESENTATION, WHEN ENCOUNTERED DURING THE ACTUAL WORK, WILL BE HANDLED ACCORDING TO THE SPECIFICATIONS GOVERNING THIS PROJECT.

203.02 UNCLASSIFIED EXCAVATION AND DISPOSAL
 203.03 EMBANKMENT IN PLACE
 206.0201 TRENCH AND CULVERT EXCAVATION

FILE NAME = DGN&SPEC01234567890123456789012345678901234
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 USER = DGN&USERNAME



			CITY OF BEACON	
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: ES-01
PE DB	DE SM	PM DW	EARTHWORK SUMMARY SHEET	SCALE: AS SHOWN SHEET 63 OF 64

FILE NAME = DGN\$SPEC01234567890123456789012345678901234
 DATE/TIME = DGN\$SYTIME0123456
 USER = DGN\$USERNAME



SUBDIVISION NO.	LOCATION (STATION TO STATION)	SUITABLE EXCAVATION					ROCK	UNSUITABLE EXCAVATION					TOTAL EXCAVATION	EMBANKMENT				
		C _B	C _G	C _P	C _E	T _E		C _R	C _A	C _S	C _X	C _O		T _U	C _T	F _B	F _S	F
1	SHARE 1 - MONUMENT RELOCATION / POCKET PARK	0	0	0	0	0	0	0	0	0	0	0	134.7 CY	134.7 CY	0	0	234 CY	234 CY
2	SHARE 1 - CURB & SIDEWALK REPLACEMENT	0	0	0	0	0	0	0	0	0	0	1012.3 CY	1012.3 CY	0	0	0	0	
3	SHARE 2 - CURB & SIDEWALK REPLACEMENT	0	0	0	0	0	0	0	0	0	0	1495 CY	1495 CY	0	0	0	0	
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TOTALS		0	0	0	0	0	0	0	0	0	0	2642 CY	2642 CY	0	0	234 CY	234 CY	

FOR DEFINITIONS AND NOTES SEE DWG. ES-01

			CITY OF BEACON		
DATE: OCTOBER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES			NO: ES-02
PE DB	DE SM	PM DW	EARTHWORK SUMMARY SHEET		SCALE: AS SHOWN SHEET 64 OF 64