

RESURFACING, RESTORATION AND REHABILITATION

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

FEDERAL AID PROJECT

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) REFRENCED IN THE CONTRACT PROJECT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR BY CHANGES SET FORTH IN THE CONTRACT PROJECT

# FINAL PLANS

CONTRACT: D017347 AND D017290

COUNTY: DUTCHESS COUNTY

RECOMMENDED BY:

CONTRACTOR'S NAME

AWARD DATE

COMPLETION DATE

FINAL ACCEPTANCE DATE

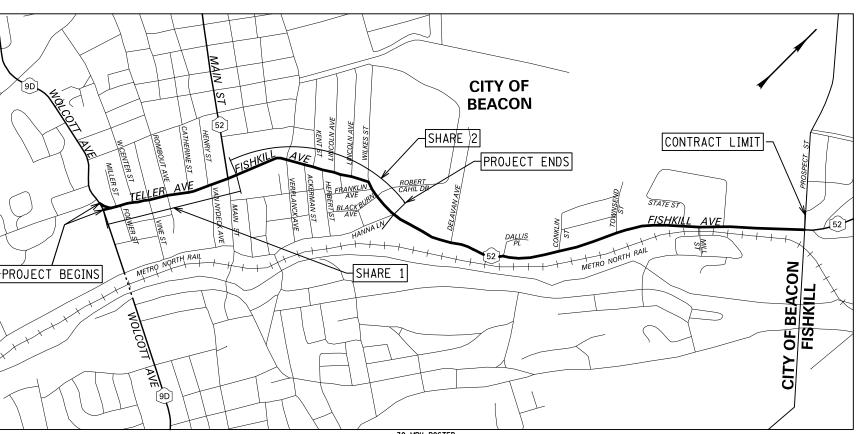
REGIONAL DIRECTOR

ENGINEER IN CHARGE

FINAL COST TOTAL

FISCAL SHARE

COST(S)



CHRISTOPHER WHITE CITY OF BEACON, CITY ADMINISTRATOR

PREPARED BY:

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

wsp	CITY OF BEACON	
OCTOBER 2023	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	
PE DB DE SM PM DW	SCALE:  AS SHOWN SHEET 1 OF 64	,

NAME = DGN\$SPECØ123456789Ø123456789Ø1234567899 TIME = DGN\$SYTIMEØ123456 USER = DGN\$USERNAME

ES END SECTION
HW HEADWALL
INV INVERT
MH MANHOLE

MHW MEAN HIGH WATER
OHW ORDINARY HIGH WATER
OLW ORDINARY LOW WATER
RCP REINFORCED CONCRETE PIPE

TB TOP OF BANK (STREAM) TC TOP OF CURB
TG TOP OF GRATE VCP VITRIFIED CLAY PIPE

SICPP SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE

	ALIGNMENT		TOPOGRAP	HY (MISCELLANEOUS)			UTILITIES
ABBR.	DESCRIPTION	ABBF	R. DESCRIPT	ION	A	ABBR.	DESCRIPTION
AH	AHEAD	ABL				E	ELECTRIC
AZ	AZIMUTH	AOE		BY ENGINEER		EMH	ELECTRIC MANHOLE
ВК	BACK	ASF	H ASPHALT			G	GAS
B	BASELINE	BC	Y BOUNDARY			GP	GUY POLE
BRG	BEARING	BLC				GSB	GAS SERVICE BOX (HOUSE LINE)
Ç	CENTERLINE		M BENCH MARK			GV	GAS VALVE (MAIN LINE)
cs	CURVE TO SPIRAL		C CENTER TO	CENTER		HYD	HYDRANT
е	SUPERELEVATION RATE (CROSS SLOPE)	CON				LP	LIGHT POLE
EQ	EQUALITY	CONS	T CONSTRUCTI	ON		LPG	LOW PRESSURE GAS
EXT	EXTERNAL	C	R COUNTY ROA	D		PP	POWER POLE
HCL	HORIZONTAL CONTROL LINE		D DEED DISTA	NCE		SA	SANITARY SEWER
HSD	HEADLIGHT SIGHT DISTANCE	D	M DIRECT MEA	SUREMENT		SMH	SANITARY MANHOLE
L	LENGTH OF CIRCULAR CURVE	DW	Y DRIVEWAY			ST	STORM SEWER
LS	LENGTH OF SPIRAL	E	P EDGE OF PA	VEMENT		T	TELEPHONE
LVC	LENGTH OF VERTICAL CURVE	E	S EDGE OF SH	OULDER		TCB	TRAFFIC CONTROL BOX
E	CENTER CORRECTION OF VERTICAL CURVE	FE			TE	ELB0X	TELEPHONE BOX
M	MAIN LINE	FEE WO/		ITION WITHOUT ACCESS		TEL P	TELEPHONE POLE
PC	POINT OF CURVATURE		P FENCE POST			TMH	TELEPHONE MANHOLE
PI	POINT OF INTERSECTION		D FOUNDATION			CTV	CABLE TELEVISION
POL	POINT ON LINE	F				W	WATER
PSD	PASSING SIGHT DISTANCE	G/				WSB	WATER SERVICE BOX (HOUSE LINE)
PT	POINT OF TANGENT		R GRAVEL			W۷	WATER VALVE (MAIN LINE)
PVC	POINT OF VERTICAL CURVE	_	0 HOUSE				
PVI	POINT OF VERTICAL INTERSECTION	HW					SUBSURFACE EXPLORATION
PVT	POINT OF VERTICAL TANGENT		P IRON PIN OF	R IRON PIPE		ABBR.	DESCRIPTION
R	RADIUS		B MAILBOX				
SC	SPIRAL TO CURVE	MC MC				REP	LACE ABBREVIATION "AB" WITH:
SSD	STOPPING SIGHT DISTANCE	N&	_	ASHER		AH	HAND AUGER
ST	SPIRAL TO TANGENT		G ORIGINAL GE			CP	CONE PENTROMETER
STA	STATION	0/				DA	60 mm CASED DRILL HOLE
T	TANGENT LENGTH		P PARCEL			DM	DRILLING MUD
TGL	THEORETICAL GRADE LINE	PAV				DN	100 mm CASED DRILL HOLE
TS	TANGENT TO SPIRAL	_	E PERMANENT	EASEMENT		FH	HOLLOW FLIGHT AUGER
VC	VERTICAL CURVE	PED POL				PA	POWER AUGER
			P PROPERTY L			PH	PROBE
	TOPOGRAPHY (DRAINAGE)	P0		2712		PT	PERCOLATION TEST HOLE
ABBR.	DESCRIPTION		R RAILROAD			RP	25 mm SAMPLER (RETRACTABLE PLUG)
		RT	_				TO BE DEFINED AT THE TIME OF EXPLORATION
BB	BOTTOM OF BANK (STREAM)	RO	_	AY		SP	SEISMIC POINT
BC BO	BOTTOM OF CURB BOTTOM OF OPENING	- R	**			TP	TEST PIT
CAP	CORRUGATED ALUMINUM PIPE		H STATE HIGH		A	BBREVI	IATION "C" IN CATEGORIES:
H		SHLD		****	id H	A, DM.	DN, AND FH WITH:
CB	CATCH BASIN	SF				В	
CIP	CAST IRON PIPE		T STREET			C	CUT
© STRM	CENTERLINE OF STREAM		K STAKE				DAM
CMP	CORRUGATED METAL PIPE					F	FILL
CP	CONCRETE PIPE	CW CIDEWALK			K	CULVERT	
CSP	CORRUGATED STEEL PIPE	<del>-   − j</del>		EASEMENT		W	WALL
CULV	CULVERT		0 TEMPORARY			X	TO BE USED IF ONE OF THE ABOVE CANNOT
DIA	DIAMETER DRAMES MANUALE	<del>- □</del>	_			^	BE DEFINED AT THE TIME THE EXPLORATION
DMH	DRAINAGE MANHOLE		W WING WALL				IS MADE
DS	DRAINAGE STRUCTURE PIPE		I HING WALL				
D'XING	DITCH CROSSING	<b>⊣</b> ,					
EHW	EXTREME HIGH WATER	<b>-</b>	STANDARD	ITEM PAYMENT UNIT:	EQUIVAL	ENT	
EL	ELEVATION	<b>-</b>	SYMBOL	ESTIMATE OF	NOMENCI		RF•
ELEV	ELEVATION	<b>-</b>	(PLANS)	QUANTITIES SHEET	(SPECS/		
ELW	EXTREME LOW WATER	_	11 LANS!	MONITITES SHEET		TNUP	USAL/
l ES I	END SECTION	1 [		W	METER		

STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT: ESTIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)
m	М	METER
m <sup>2</sup>	SQM	SQUARE METER
m <sup>3</sup>	СМ	CUBIC METER
km	KM	KILOMETER
ha	НА	HECTARE
kg	KG	KILOGRAM
† OR Mg*	MT	METRIC TON
L	L	LITER
* THE METRIC 1	TON IS EQUIVALENT TO ONE MEGA	GRAM (Ma)

	INDEX	TOTAL NUMBER OF SHI	EETS: 102
SHEET Number	DESCRIPTION		DRAWING NUMBER
1	TITLE SHEET		C0V-01
2	INDEX AND ABBREVIATIONS		IAB-01
3-4	LEGEND, LINE, AND POINT SYMBOLOGY		LEG-01 TO LEG-02
5-6	ESTIMATE OF QUANTITIES		E0Q-01 T0 E0Q-02
7-9	GENERAL NOTES		GNN-01 TO GNN-03
10-11	TYPICAL SECTIONS		TYP-Ø1 TO TYP-Ø2
12	TABLE OF RIGHT OF WAY AQUISITIONS		RWT-01
13-14	MISCELLANEOUS TABLES		MST-Ø1 TO MST-Ø2
15	ALIGNMENT TABLES		ALT-01
16	BASELINE TIES		BLT-01
17-24	GENERAL PLANS		GNP-Ø1 TO GNP-Ø8
25-30	PROFILES		PRO-Ø1 TO PRO-Ø5
31-38	DRAINAGE AND UTILITY PLANS		DUP-Ø1 TO DUP-Ø8
39-40	DRAINAGE TABLES		DT-01 TO DT-02
41-44	DRAINAGE DETAILS		DD-Ø1 TO DD-Ø4
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 T0 TSP-02
52-59	SIGNING AND STRIPING PLANS		SSP-Ø1 TO SSP-Ø7
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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•	<b>115</b> [2		CITY OF BE	ACON			
ATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI		NO:	IAB-01	ı
<sub>E</sub> DB	DE SM	PM DW	INDEX & ABBREVIATIONS	SCALE: AS SHOWN	SHEET	2 of 64	4

	ALIGNME	NT		LANDSCA	APE .		ROADWA	ιΥ		UTILITI	ES
STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	
	AC	CONTROL (CENTERLINE)	~~~~~~	LABL	AREA, BRUSH LINE	cz	CZ	CLEAR ZONE	c	UC	CONI
	AD_P	DETOUR	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	LAHR	AREA, HEDGE ROW	<del></del>	RG	GUIDE RAIL, MISCELLANEOUS	—— ]c[ ——	UCH	CONI
	AT_P	TRANSITION CONTROL	~~~~~~~~	LAPB	AREA, PLANTING BED		RGB	GUIDE RAIL, BOX BEAM	oc	UC0	CONI
	BRIDGE		CATALATA CONTRACTOR OF THE CON	LAWA	AREA, WOODED AREA OUTLINE		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN	E	UE	ELE
	BR	RAIL		LAWE	AREA, WATERS EDGE	——————————————————————————————————————	RGC	GUIDE RAIL, CABLE	]E[	UEH	ELE
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RGCB	GUIDE RAIL, CONCRETE BARRIER	OE	UE0	ELEC
<u> </u>	CONTRO			LFILL_P	FILL LIMIT	0 0	RGP_P	GUIDE POST	OET	UET0	ELEC
۵	CB	BASELINE		LFNC	FENCE	——————————————————————————————————————	RGW	GUIDE RAIL, W BEAM	* * * * * * * * *	UESS	ELE
				LTRC	TREE ROW, CONIFEROUS		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UF0	FIB
	CBPR	BASELINE, PROJECTION	0000000000	LTRD	TREE ROW, DECIDUOUS		RPB	PARKING BUMPER	]F0[	UFOH	FIB
	DRAINAG			-			RRC	RAIL ROAD, CATENARY	0F0	UF00	FIB
ST	DCP	CULVERT PIPE		LWH	WALL, H PILE	770			G	UG	GAS
<u>si→</u>	DCP_P	CULVERT PIPE (DIR)		LWR	WALL, RETAINING		RRER	RAIL ROAD, 3RD RAIL	]G[	UGH	GAS
<del>-                                    </del>	DDG_P	DITCH, GRASS LINED	0000000000	LWS	WALL, STONE		RRPLS_P	RAIL, PHOTO, LARGE SCALE	OG	UGO	GAS
			- R	OW MAP		++++	RRPSS	DATE PHOTO CMALL SCALE	IC	UIC	INF
* *	DDP_P	DITCH, PAVED INVERT		MDL	DEED LINE	+++++	MNF33	RAIL, PHOTO, SMALL SCALE	]/C[	UICH	INF
	DDS_P	DITCH, STONE LINED	- — PE — -	MEE	EASEMENT, EXISTING		RRS	RUMBLE STRIP	0	UO	OIL
	DEL D	ELOW LINE	PE	MEP_P	EASEMENT, PERMANENT	<del></del>	RRSLS_P	RAIL, SURVEY, LARGE SCALE	]0[	ИОН	OIL
	DFL_P	FLOW LINE	- ——APE —— -	MEPA_P	EASEMENT, PERMANENT, APPROX.	++++	RRSSS	RAIL, SURVEY, SMALL SCALE	$\leftarrow$ $    -$	UPBP	POL
	DSSD	SLOTTED DRAIN	- —— тє —— -	MET_P	EASEMENT, TEMPORARY		SIGNS		∋	UPGW	POL
UD->	DUD_P	UNDERDRAIN	- ——ATE—— -	META_P	EASEMENT. TEMPORARY, APPROX.	***	SBLB	BILLBOARDS	SA	USA	SAN
EN	VIRONME			MF_P	FEE ACQUISITION, W/ ACCESS	<del>•</del> •	SM	MULTIPLE POST	]SA[	USAH	SAN
S	EBLHS	BALE, STRAW		MFA_P	FEE ACQUISITION, APPROXIMATE	<b>====</b> €	SS0	STRUCTURE, OVERHEAD		USAF	SAN
0-0-0-0-0-	ECT	CURTAIN, TURBIDITY		MFS_P	FEE ACQUISITION, SHAPE	Φ	SSOC	STRUCTURE, OVHD. CANTILEVER	]SAF[	USAFH	SAN
00000000	EDMC	DAM, COFFER TYPE	FEE W/OA	MFW0A_P	FEE ACQUISITION, W/O ACCESS		STRIPIN	İĞ		UT	TEL
<b>(</b> €)	EDMEC_P	DAM, EARTHEN, CHECK		МНА	HISTORICAL, ACQUISITION		STB*	BROKEN LINE		UTH	TEL
			- — нв — –	мнв	HIGHWAY BOUNDARY		STDB*	DOUBLE BROKEN LINE	OT	UTO	TEL
	EDMPC_P	DAM, PREFAB, CHECK	AHB	МНВА	HIGHWAY BOUNDARY, APPROX.		STDL*	DOTTED LINE LONG		UTV	CAB
	EDMSC_P	DAM, STONE, CHECK		MHBW	HWY BOUNDARY, FACE OF WALL		STDS*	DOTTED LINE SHORT			
	FENC	ECHOE CILT	—— HB W/0A ——	MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STFB*	FULL BARRIER LINE	]CTV[	UTVH	CAB
•	EFNS	FENCE, SILT		MJC	JURISDICTION, CITY		STH*	HATCH LINE	OCTV	UTVO	CAB
<u>-~-~</u>	EFNSV	FENCE, SILT & VEGETATION		MJCY	JURISDICTION, COUNTY					UUU	UNK
_~~~~	EFNV	FENCE, VEGETATION		1	·		STPB*	PARTIAL BARRIER LINE	] <i>\u0</i> [	UUH	UNK
AA	EWAA_P	WETLAND, ADJACENT AREA		MJHD	JURISDICTION, HISTORIC DISTRICT	***************************************	STRCT	ROUNDABOUT, CAT TRACKS	OUU	· UUO	UNK
FW FW	EWF	WETLAND, FEDERAL		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STRYL	ROUNDABOUT, YIELD LINE	w	UW	WAT
FW SW	EWFS	WETLAND, FEDERAL AND STATE		MJN	JURISDICTION, NATION		STSB	STOP BAR	]w[	UWH	WAT
WM	EWM	WETLAND, MITIGATION AREA		MJPB	JURISDICTION, PUBLIC LANDS		STSE*	SOLID, EDGE	OW	- UWO	WAT
SW	EWS	WETLAND, STATE		MJS	JURISDICTION, STATE		STXL*	X WALK, LADDER LINE			
				MJT	JURISDICTION, TOWN		+	* = W (WHITE) OR Y (YELLOW)			
				MJV	JURISDICTION, VILLAGE	TRA	FFIC CO				
				MPL	PROPERTY LOT LINE		TCSW	SIGNAL, SPAN WIRE			
			——————————————————————————————————————	MPLA	PROPERTY LOT LINE, APPROXIMATE	•	FIC WOR				
LEGEND ILLUSTRATES MAPPING F	EATURES (E	(ISTING AND PROPOSED).	Z	MSL	SUB LOT LINE	TIVAL	TWZBT_P	BARRIER, TEMPORARY			
URES ARE SHOWN AS EITHER LIN	EAR (ROADW	AY GUIDERAIL, ROADWAY SIDEWALK,		•	1		TWZBTWL	BARRIER, TEMPORARY, W/ WARNING			
ITY LINES, ETC.) OR POINT (SIGN						·-		LIGHTS			
TURES SHOWN ON THE LEGEND AS RESPONDING PROPOSED FEATURES.		EATURES ALSO HAVE					TWZCD_P	CHANNELIZING DEVICE  D PAVEMENT MARKING REMOVAL OR			
DOCED FEATURE CYMROLOGY IC ID	ENTICAL TO	EXISTING FEATURE SYMBOLOGY EXCL	IDING			111111111111	TWZPMRC_	COVERING			

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.

•	<u> </u>		CITY OF BE	ACON			
DATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI	-	NO:	LEG-	-01
<sub>PE</sub> DB	<sub>DE</sub> SM	PM DW	LEGEND - LINE	SCALE: AS SHOWN	SHEET	3 of	64

DESCRIPTION

CONDUIT, UNDERGROUND

CONDUIT, HANGING

CONDUIT, OVERHEAD

ELECTRIC LINE, UNDERGROUND

ELECTRIC LINE, HANGING

ELECTRIC LINE, OVERHEAD

ELECTRIC TRANSMISSION, OVERHEAD

ELECTRIC, SUBSTATIONS

FIBER OPTIC, UNDERGROUND
FIBER OPTIC, HANGING
FIBER OPTIC, OVERHEAD

GAS, UNDERGROUND

GAS, HANGING

GAS, OVERHEAD

INFORM CABLE, UNDERGROUND
INFORM CABLE, HANGING
OIL LINE, UNDERGROUND
OIL LINE, HANGING
POLE, BRACE, PUSH BRACE

SANITARY SEWER, UNDERGROUND
SANITARY SEWER, HANGING

TELEPHONE, UNDERGROUND
TELEPHONE, HANGING
TELEPHONE, OVERHEAD
CABLE TV, UNDERGROUND
CABLE TV, HANGING
CABLE TV, OVERHEAD
UNKNOWN, UNDERGROUND
UNKNOWN, HANGING
UNKNOWN, OVERHEAD
WATER LINE, UNDERGROUND
WATER LINE, HANGING
WATER LINE, OVERHEAD

SANITARY SEWER, FORCE MAIN, UGND
SANITARY SEWER, FORCE MAIN, HANG

POLE, GUY WIRE

		ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION
*	ACC	CENTER OF CURVATURE	+	DINV	INVERT	-⟨\$\	IANT_P	ANTENNAS	<b>(</b> )	MDL1P	DEED LINE, TYPE 1	+	S	SINGLE POST	Œ	UEB	ELECTRIC, BOX
+	ACOGO	COGO		DS	STRUCTURE, RECTANGULAR	(A	IASCTS	ACCOU. SPEED/COUNT SNSR.S	<b>Ø</b>	MDL2P	DEED LINE, TYPE 2	þ	S_P	SINGLE POST, PROPOSED	Ε	UEM	ELECTRIC, METER
0	ACS	CURVE TO SPIRAL	+	DSI	STRUCTURE, INVERT	P	ICABPAD	CABINET & PAD	3	MDL3P	DEED LINE, TYPE 3	Ħ	SB_P	BACK TO BACK, PROPOSED	(E)	UEMH	ELECTRIC, MANHOLE
Δ	ADPI_P	DETOUR, POINT OF INTERSECT.		DSM	STRUCTURE, MANHOLE		ICCTV	CCTV SITE	4	MDL4P	DEED LINE, TYPE 4		SDEL	DELINEATORS	<b>⊕</b>	UEPT	ELECTRIC, POLE, TRANS.
0	ADPL_P	DETOUR, POINT ON LINE	···	-	STRUCTURE, MANHOLE,	)ÀMÁC	ICDPD	CDPD TRANSCEIVER	5	MDL5P	DEED LINE, TYPE 5	<b></b>	SPM	PARKING METER	G	UGM	GAS, METER
0	AEQN	EQUATION	$\otimes$	DSMTXX_P	TYPE "XX"  "XX" = 48, 60, 72, 96	+	ICELLT	CELL PHONE TOWER	0	MEEP	EASEMENT, EXISTING	RFM	SRM	REFERENCE MARKERS	©	UGMH	GAS, MANHOLE
(A)	AEQNAHD	EQUATION AHEAD		DSR	STRUCTURE, ROUND		ICJB	CONDUIT JACK OR BORING	<b>(A)</b>	MEPAP_P	EASEMENT, PERM., APPROX.	0	SRSC3	SHLD, CTY, 123 DIG.		UGLM	GAS, LINE MARKER
®	AEQNBK	EQUATION BACK	<u></u>	:	STRUCTURE, RECT., WITH CURB		ICNTLCAB	CONTROLLER CABINET	0	MEPP_P	EASEMENT, PERM., BACK LINE		SRSC4	SHLD, CTY, 4 DIG.	FP	UGP	GAS/FUEL PUMP
0	AEVT	EVENT STATION		DST"X"CB_	P TYPE "X"  "X" = F, G, N, O, P, R		ICPB	COMMUNICATION PULL BOX	0	MEPSP_P	EASEMENT, PERM., SHAPE		SRSCT2	SHLD, CTY TOUR, 1-2 DIG.	⋈	UGV	GAS, VALVE
0	APC	POINT OF CURVATURE	IXXXI		STRUCTURE, RECT., TYPE "X"	—⊗	ICTD	CONDUIT TURNING DOWN	◆	MFAP_P	FEE ACQUISITION, APPROX.		SRSCT4	SHLD, CTY TOUR, 3-4 DIG.	∞	UGVT	GAS, VENT
$\odot$	APCC	POINT OF COMPOUND CURVATURE	<b>        </b>	DST"X"_P	"X" = I, K, L, M, O, P, U	—	ICTU	CONDUIT TURNING UP	<b>♦</b>	MFP_P	FEE ACQUISITION, BACK LINE	D	SRSI	SHLD, INTERSTATE	<u></u> 0	ULP	LIGHTING, POLE
$\triangle$	API	POINT OF INTERSECTION		EN	VIRONMENTAL	χģί	ICVTRT	COMM. VEH. ROAD TRANSCEIVER	•	MFSP_P	FEE ACQUISITION, SHAPE	$\Box$	SRSN2	SHLD, NATIONAL, 2 DIG.	Ф-О-Ф	ULPM	LIGHTING, POLE, MEDIAN
۵	APOB	POINT OF BEGINNING		1	T	+	IDEFAULT	DEFAULT	<b>X</b> X	MHBAP	HIGHWAY BNDRY., APPROX.		SRSN3	SHLD, NATIONAL, 3 DIG.	0	ULPP	LIGHTING, POLE, PED.
$\odot$	APOC	POINT OF CURVATURE	CULV	EI0P_P	STR., INLET, OUTLET PROT.	EZ	IEZR	E-ZPASS READER	•	МНВСР	HISTORICAL, BLDG. CORNERS	$\Diamond$	SRSS2	SHLD, STATE, 2 DIG.		UMFC	MISC. FILLER CAP
۵	APOE	POINT OF END	(B)	EIPGB_P	STR., INLET PROT., GRAVEL BAG	EZ-T	IEZTR	TRANSMITTAL READER	*	MHBP	HIGHWAY BNDRY, PT.	$\langle \rangle$	SRSS3	SHLD, STATE, 3 DIG.		UOLM	OIL, LINE MARKER
$\odot$	APOL	POINT ON LINE	<b>*</b>	+		□ xc	IFOXCAB	FIBER OPTIC X-CONNECT CABINET	<b>⊗</b>	MJCP	PT., JURIS. CITY	$\langle \rangle$	SRSS4	SHLD, STATE, 4 DIG.	-0-	UP	POLE, WITH UTILITY
$\odot$	APOS	POINT ON SPIRAL	(H/S)	EIPHS_P	STR., INLET PROT., HAY/STRAW	-	IFUSSPL	FUSION SPLICE	•	MPBC	PT., BUILDING CORNER		TRA	FIC CONTROL	0	UPD	POLE, DEAD (NO UTILITY)
$\odot$	APOT	POINT ON TANGENT	PRFB	EIPP_P	STR., INLET PROT., PREFAB.	88	IHARADV	HAR ADVISORY SIGN	<b>©</b>	MPCC	PT., CROSS CUT		тсву	BOX, JUNCTION	<u></u>	UPL	POLE, WITH LIGHT
	APOVC	POINT ON VERTICAL CURVE	<u> </u>			一位	IHARST	HAR SITE	*	MPDH	PT., DRILL HOLE		TCBP	BOX, PULL BOX	<u> </u>	USMH	SANITARY SEWER MANHOLE
۵	APOVT	POINT ON VERTICAL TANGENT	(SF)	EIPSF_P	STR., INLET PROT., SILT FENCE	LC	ILC	LOAD CENTER	*	MPF	PT., FENCE LOCATION		TCBS	BOX, SPLICE	P	UTB	TELEPHONE, BOOTH
Y	APORC	POINT ON REVERSE CURVE		ERCB	RISER, CONCRETE BOX		IMECSPL	MECHANICAL SPLICE	0	MPIP	PT., IRON PIPE		TCMC	MICROCOMPUTER CABINET	-\$-	UTLM	TELEPHONE, LINE MARKER
0	APT	POINT OF TANGENCY		ETRS_P	TRAP, SEDIMENT	PM))	IMSCS	PORT. SPEED & COUNT SENSOR	0	MPIR	PT., IRON ROD	<u> </u>	TCPP	PED POLE	(T)	UTMH	TELEPHONE, MANHOLE
(1)	APVC	POINT OF VERTICAL CURVATURE	+	EWFG	WETLAND FLAG	((M	IMSCTS	MICRO SPEED & COUNT SENSOR		мРМ	PT., MONUMENT	<u> </u>	TCSH	SIGNAL HEADS	-\$-	UTVLM	CABLE TV, LINE MARKER
Δ	APVCC	POINT OF VERT. CMPND CURVE				∑∭(;	IMT	MICROWAVE TRANSCEIVER		МРММ	PT., MONUMENT, MISC.	0	TCSP	SIGNAL POLE		UTVPB	CABLE TV, PULL BOX
	APVI	POINT OF VERT. INTERSECTION		GE	EOTECHNICAL	O VMS	IOVHVMS	PERM. OVERHEAD VMS	Ø	MPN	PT., NAIL					UUB	UNKNOWN, BOX
Δ	APVRC	POINT OF VERT. REVERSE CURVE	•	GDH	DRILL HOLE	PA))	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR	*	MPRS	PT., RAILROAD SPIKE		IRAF	FIC WORK ZONE	$\boxtimes$	UUJB	UNKNOWN, JUNCTION BOX
•	APVT	POINT OF VERTICAL TANGENCY			LANDSCAPE		IPEDS	PEDESTRIAN SIGNAL HEAD	斑	MPSP	PT., SPIKE	<u> </u>	TWZAP_P	ARROW PANEL	$\otimes$	UUMH	UNKNOWN, MANHOLE
<u></u>	ASC	SPIRAL TO CURVE	+	LELS	ELEVATION, SPOT	$\diamond$	IPSS	PAVEMENT SURFACE SENSOR	*	MPST	PT., STAKE	<u> </u>	TWZAPC_P	ARROW PANEL, CAUTION MODE		UUPB	UNKNOWN, PULL BOX
	ASPI	SPIRAL POINT OF INTERSECTION	-	LFP	FLAG POLE	PVMS	IPVMS	PERM. VMS	8	MPTW	PT., TREE W/ WIRE	•••	TWZAPT_P	ARROW PANEL, TRAILER OR SUPPOR		UUVL	UNKNOWN, VALVE
0	ASTS	SPIRAL TO SPIRAL		LMB	MAILBOX	RM	IRM	RAMP METER	+	MPWL	PT., WALL LOCATION		TWZBCD_P	BARRICADE (TYPE III)	000	UUVT	UNKNOWN, VENT
$\otimes$	AST	SPIRAL TO TANGENT		LPB	PAPER BOX	RWIS	IRWIS	RDWY WEATHER INFO. SENSOR		RO	W ACQUISITION	ш	TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)	0	UUW	UNKNOWN, WELL
$\otimes$	ATS	TANGENT TO SPIRAL		LPST	POST, SINGLE		ISP	SOLAR PANEL	(M)	MEC D T	EEE ACQUICITION	•	TWZFLG_P	FLAGGER	a	UWFH	WATER, FIRE HYDRANT
٨	AVEVT	VERTICAL EVENT POINT	<b>©</b>	LRB	ROCK, BOULDER	<u> :@:</u>	ISST	SPREAD SPECT. TRANSCEIVER	FEE	Mr 2_7_1	FEE ACQUISITION	Y	TWZFT_P	FLAG TREE	W	UWM	WATER, METER
0	AVHIGH	VERTICAL HIGH POINT	米	LSHC	SHRUB, CONIFEROUS	TC TC	ITDB	TELEPHONE DEMARCATION BLK	<del>           </del>	MEPS_P_1	EASEMENT, PERMANENT		TWZIA_P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)	W	UWMH	WATER, MANHOLE
0	AVLOW	VERTICAL LOW POINT	Ġ	LSHD	SHRUB, DECIDUOUS	U <sub>TP</sub>	ITP	SUBSURFACE TEMP, PROBE	(MI)	METS D	EACEMENT TEMPODADY	•	TWZLUM_P	LUMINAIRE (TEMPORARY)	-0-	UWV	WATER, VALVE
		BRIDGE		LTC	TREE, CONIFEROUS	χĆ	IVTRT	VEHICLE TO RDWY TRANSCEIVER	L Œ	ME IS_P_	EASEMENT, TEMPORARY	<b>⇒</b>	TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC SYMBOL, DIRECTION OF TEMPORARY	<b>®</b>	UWW	WATER, WELL OF NEW
	BSC	BRIDGE, SCUPPER	50)	LTD	TREE, DECIDUOUS	W/M	IWIMD	WEIGHT IN MOTION DETECTOR	<del>                                    </del>	METS_P_1	OCCUPANCY, TEMPORARY	<u> </u>	TWZSDTD_	TRAFFIC DETOUR	_		CASTIANA
		CONTROL	Ö	LTS	TREE, STUMP	)WVR	IWVR	WIRELESS VIDEO REPEATER	(MI)	MFS_P_T	FEE ACQUISITION W/O ACCESS	<b>.</b>	TWZSGN_P	SIGN (TEMPORARY) SIGNAL, TRAFFIC OR PEDESTRIAN			65/40
	1	1	Ø	LTW_P	TREE, WELL OR WALL	(V)-(	IWVRC	WIRELESS VIDEO RECEIVER	FEE WO/A		TEL ACQUISITION W/O ACCESS	0-	TWZSIG_P	(TEMPORARY)	-		* S * * * * * * * * * * * * * * * * * *
	CBP	BASELINE, POINT	+	LUKP	UNKNOWN POINT	<u>``</u> (V) €	IWVTT	WIRELESS VIDEO TRANSMITTER	-		ROADWAY	<u>e</u>	TWZWL_P	WARNING LIGHT	4		一大大
0	CBPOL	BASELINE, POINT ON LINE	1 THE	F LEGEND TI	LUSTRATES MAPPING FEATURES (EX	ISTING A	ND PROPOSEDY		0	RES_P	ELEVATION, SPOT		TWZWV_P	WORK VEHICLE WORK VEHICLE WITH TRUCK	4		181
	CBSP	BASELINE, SPUR POINT			SHOWN AS EITHER LINEAR (ROADWA					RGA	GUIDE RAIL, ANCHOR		TWZWVA_P	MOUNTED ATTENUATOR	J		079079
<u>₩</u>	СВТР	BASELINE, TIE POINT			ITILITY POLE, ETC.).	001011	NONDINA	SIDERACK, OTTETT LINES, ETC.	0	RGP	GUIDE POST, SINGLE						A9OFESSION M
	СРВМ	BENCHMARK	3. FE	ATURES SHOW	WN ON THE LEGEND AS EXISTING FE	EATURES	ALSO HAVE CO	RRESPONDING PROPOSED FEATURES.		•	·		* * * *				
-	CPH	POINT, HORIZ, PHOTOGRAMMETRY	4. PRO	OPOSED FEAT WEIGHT FOR	TURE SYMBOLOGY IS IDENTICAL TO PROPOSED FEATURES IS THICKER (	EXISTING 0.40 mm	FEATURE SYM ON B SIZE DRA	BOLOGY EXCLUDING LINE WEIGHT. AWINGS).					111	)   J	(	CITY C	F BEACON
	CPSV	POINT, SURVEY MARKER, PERM. POINT, VERT., PHOTOGRAMMETRY	5. MAF	PPING FEATL	RES NOT INCLUDED ON THE LEGENI	SHEET	DO NOT HAVE	A UNIQUE SYMBOLOGY (SUCH AS			In contract to the contract to	ATE:		PROJECT: P		.80 & PIN	
. 4															w 14 / 5		

PROJECT: PIN 8757.80 & PIN 8757.30
REHABILITATION OF TELLER & FISHKILL AVENUES OCTOBER 2023 LEG-02 DE SM DB PM DW LEGEND - POINT AS SHOWN SHEET 4 OF 64

CPSV POINT, VERT., PHOTOGRAMMETRY

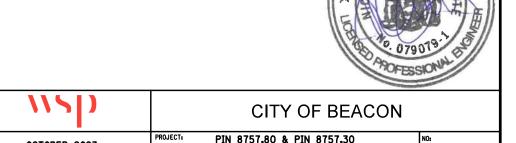
5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.

6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

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FILE NAME DATE/TIME USER

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTIT
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	EA	27	
	DEBRIS REMOVAL			
209.13	SILT FENCE - TEMPORARY	LF	1033	
209.22	CONSTRUCTION ENTRANCE	SY	24	
	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	
104.197901	19 F9 BINDER COURSE APSHALT, 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 490.10	DILUTED TACK COAT PRODUCTION COLD MILLING BITUMINOUS CONCRETE	GAL SY	853 7359	
552.17		SF		
	SHIELDS AND SHORINGS	SF	24111	
554.40 603.6001	FILL TYPE RETAINING WALL	LF	355 276	
603.6002	REINFORCED CONCRETE PIPE CLASS III 12 INCH DIAMETER REINFORCED CONCRETE PIPE CLASS III 15 INCH DIAMETER	LF	1243	
303.8002	CONCRETE COLLARS	EA	2	
	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	
	RECTANGULAR DRAINAGE STRUCTURE TYPE U FOR CAST IRON PS PRAME	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	
	REMOVE, STORE AND RESET EXISTING FENCING (CHAIN LINK)	LF	68.88	
	REMOVE, STORE AND RESET EXISTING FENCING (METAL)	LF	65.6	
	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	LF	3464	
	TYPE NVF)			
610.1101	MULCH FOR PLANTING TYPE A, B, D - WOOD CHIPS AND SHREDDED BARK	CY	9	
610.1402	TOPSOIL - ROADSIDE	CY	14	
310.1404	TOPSOIL - SPECIAL PLANITNG MIX	CY	9	
310.1601	TURF ESTABLISHMENT - ROADSIDE	SY	359	
311.0721	PLANTING - HERBACEOUS PLANTS - NUMBER SP4 CONTAINER GROWN	EA	19	
511.0741	PLANTING - HERBACEOUS PLANTS - NUMBER 1 CONTAINER GROWN	EA	12	
315.02060124	REMOVE, STORE, AND RESET LANDSCAPE APPURTENANCE, TYPE 01	EA	1	
319.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	0.5	
319.0901	TEMPORARY PAVEMENT MARKING STRIPES (TRAFFIC PAINT)	LF	3674	
319.110512	(PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPECIFIED,	EA	3	
040.40:0	CELLULAR COMMUNICATION			
319.1612	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT B)	INTM	6	
519.27000007	RELOCATE POSTAL COLLECTION BOXES	EA	1	
521.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF	200	
321.04	CLEANING DRAINAGE STRUCTURES	EA	12	
25.01	SURVEY OPERATIONS	LS	0.5	
	SUBSURFACE SURVEY	LS	0.5	

	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	
	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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OCTOBER 2023	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES							
PE DB DE SM PM DW	ESTIMATE OF QUANTITIES SHARE 1 SSALE: AS SHO	WN SHEET 5 OF 64						

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	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 APSHALT, 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	
	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	
	REMOVE, STORE AND RESET EXISTING FENCING (CHAIN LINK)	LF	52.0	
	REMOVE, STORE AND RESET EXISTING FENCING (WOOD POST)	LF	52.5	
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	607.0	
	COLORED AND IMPRINTED PORTLAND CEMENT CONCRETE SIDEWALK	CY	43.0	
	RAISED CROSSWALK	LF	72.0	
	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	
621.03	CLEANING DRAINAGE STSTEINS CLEANING DRAINAGE STRUCTURES	EA	13.0	
	CRUSHED STONE	CY	98.0	
			98.0	
625.01	SURVEY OPERATIONS	LS		
	SUBSURFACE SURVEY	LS	0.5	
027.50140008	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	



							Charles St.					
	1	115	)		CITY OF BEACON							
DATE		CTOBER 20	23		PROJECT: PIN 8757.80 & PIN 8757.30  REHABILITATION OF TELLER & FISHKILL AVENUES							
PE	DB	<sub>DE</sub> SM	PM	DW	ESTIMATE OF QUANTITIES SHARE 2	SCALE: AS SHOWN	SHEET	<b>6</b> 0F	64			

- WHEN PROPOSED WORK SHOWN IN THE PLANS AND PROPOSAL DIFFERS FROM THE STANDARD SHEET AND THE STANDARD SPECIFICATIONS, THE INFORMATION AS DETAILED ON THE PLANS AND THEN THE PROPOSAL SHALL GOVERN.
- 3. THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING AND GIVEN CONDITIONS AND DIMENSIONS WITH THOSE SHOWN ON THE CONTRACT DOCUMENTS. IF THE FIELD CONDITIONS AND DIMENSIONS DIFFER FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER. ALL FIELD CONDITIONS AND DIMENSIONS SHALL BE SO NOTED ON THE DRAWINGS AND SUBMITTED FOR APPROVAL.
- 4. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF THIS PROJECT, THE EXACT EXTENT OF WORK CAN NOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME, ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FIELD CONDITIONS AND A.O.B.E. ALL FIELD CONDITIONS AND DIMENSIONS DIFFERENT FROM THE DRAWINGS SHALL BE NOTED & SUBMITTED TO THE ENGINEER FOR APPROVAL. PAYMENT TO DO SO IS INCLUDED UNDER ITEM 625.01, SURVEY AND STAKEOUT.
- 5. ALL BIDDERS SHOULD INSPECT THE PROJECT SITE PRIOR TO SUBMITTING BIDS TO VERIFY THE FIELD CONDITIONS WHICH MAY BE ENCOUNTERED AND THE NATURE OF THE WORK TO BE DONE UNDER THIS CONTRACT. NO COMPENSATION WILL BE ALLOWED TO THE BIDDER FOR FAILURE TO INCLUDE ALL LABOR, MATERIAL SAND EQUIPMENT COSTS NECESSARY TO COMPLETE THE WORK.
- CONCURRENT WITH CONSTRUCTION WORK OF THIS CONTRACT, OTHER PROJECTS ON THIS AND ADJACENT ROADWAYS MAY BE UNDER CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE HIS/HER WORK THROUGH THE ENGINEER ON ALL ONGOING
- AGENCIES WITH WHICH THE CONTRACTOR MAY BE DIRECTLY OR INDIRECTLY INVOLVED IN NOTIFICATIONS AND COORDINATION INCLUDE BUT ARE NOT LIMITED TO

A. MUNICIPAL

- 1. NYS DEPARTMENT OF TRANSPORTATION
  2. NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
- 3. NYS POLICE TROOP K
  4. DUTCHESS COUNTY SHERIFFS
- BEACON CITY SCHOOL DISTRICT
- DUTCHESS COUNTY DEPARTMENT OF PUBLIC WORKS CITY OF BEACON DEPARTMENT OF PUBLIC WORKS
- CITY OF BEACON
  BEACON WATER AND SEWER DEPARTMENT
- BEACON FIRE DEPARTMENT
- 12. BEACON AMBULANCE

B. PRIVATE COMPANIES

- 1. CENTRAL HUDSON GAS AND ELECTRIC
- LIGHTOWER/HUDSON VALLEY DATANET RCU INC (\*145 FISHKILL AVENUE) BEACON UNITED (\*390 MAIN STREET)
- SALVATION ARMY (\*372 MAIN STREET)
  BEACON HOUSING AUTHORITY (\*31 ELIZA STREET)
- DEACON HOUSING AUTHORITY (\*)

  195 FISHKILL AVE LLC (\*195 FISHKILL AVENUE)

  211 FISHKILL DEVELOPMENT CO. (\*211 FISHKILL AVENUE)

  FIRST AMERICAN MORTGAGE TRUST (\*263 FISHKILL AVENUE)

  BEACON CHRISTIAN ASSEMBLY (\*7 DELEVAN AVENUE)

  SOMERSET TIRE SERVICE INC (\*344 FISHKILL AVENUE)

- 14. GRENS DWELLING NY (\*355 FISHKILL AVENUE)
  15. NAOMI TANDET FAMILY PARTNERSHIP (451 FISHKILL AVENUE)
- 8. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN IN THE PROPERTY OF THE CITY WILL NOT BE DAMAGED IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN THE PROPERTY OF THE CITY, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER
- 9. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO AVOID FILLING CATCH BASINS WITHIN THE CONTRACT LIMITS WITH DEBRIS RESULTING FROM CONTRACT OPERATIONS. IN THE EVENT THE CONTRACTOR'S OPERATION DAMAGES OR BLOCKS THE DRAINAGE SYSTEM, THE CONTRACTOR SHALL AT HIS/HER OWN EXPENSE IMMEDIATELY REPAIR OR RESTORE THE DRAINAGE SYSTEM AS DIRECTED BY THE
- 10.ANY LANDSCAPE AREA DAMAGED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR, AS ORDERED BY THE ENGINEER, AT THE EXPENSE OF THE
- 11.NO STAGING OR STORAGE AREAS BEYOND THE HIGHWAY PAVEMENT LIMITS ARE IDENTIFIED ON PLANS. IF THE CONTRACTOR PROPOSES STAGING AREAS, THESE WILL REQUIRE PRIOR APPROVAL FROM THE CITY.
- 12.ROADS USED FOR HAULING MATERIALS SHALL BE MAINTAINED AND KEPT FREE FROM DEBRIS BY THE CONTRACTOR, AND SHALL BE LEFT IN A CONDITION SATISFACTORY TO THE ENGINEER AND CITY OF BEACON DPW.

#### GENERAL NOTES (CONT.)

- 13. THE CONTRACTOR SHALL TAKE POSITIVE STEPS TO PREVENT THE SPLATTERING OF VEHICLES. THE CONTRACTOR SHALL PROVIDE FOR THE PROMPT CLEANING OF ANY VEHICLES SPLATTERED BY CONTRACTOR'S OPERATIONS AND SHALL PAY FOR THE CLEANING. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS IN THE CONTRACT.
- 14.DEAD, DYING, OR DISEASED TREES WITHIN THE PROJECT LIMITS SHALL BE REMOVED UNDER ITEM 201.06, CLEARING AND GRUBBING, AS SHOWN ON THE PLANS
- 15.ALL WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL BE WITHIN THE PUBLIC RIGHT OF WAY OR EASEMENTS ACQUIRED BY THE CITY, INCLUDING BUT NOT LIMITED TO VEHICLE ACCESS. STORAGE OF EQUIPMENT, MATERIALS, DEBRIS AND WASTE, AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIERS.

#### <u>PAVING</u>

- 1. WHEN REMOVING EXISTING ASPHALT WITHIN AN AREA TO BE RESURFACED, THE CONTRACTOR SHALL REMOVE THE MATERIAL TO A NEAT LINE HAVING A MAXIMUM DEVIATION FROM THE STRAIGHT OF 100mm IN 3m AND AS ORDERED BY THE ENGINEER TO PERMIT PROPER AND ADEQUATE REPLACEMENT AND COMPACTION OF THE NEW ASPHALT. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK, BUT THE COST SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 490.10, PRODUCTION COLD MILLING BITUMINOUS CONCRETE.
- 2. ANY OF THE EXISTING ASPHALT OVERLAY WHICH DOES NOT FIRMLY ADHERE TO EXISTING PAVEMENT, AS DETERMINED BY THE ENGINEER, SHALL BE REMOVED UNDER ITEM 633.1401 AND 633.1403. ALL LOOSE ASPHALT THUS REMOVED, AND ASPHALT REMOVED PRIOR TO THE START OF WORK, SHALL BE REPLACED WITH NEW ASPHALT CONCRETE UNDER THE TRUING AND LEVELING ITEM 404.017901.
- 3. WITHIN THE LIMITS OF RESURFACING, ALL UNSEALED AND INADEQUATELY SEALED JOINTS AND CRACKS 6mm (1/4") IN WIDTH OR GREATER WHICH ARE VISIBLE IN THE SURFACE SHALL BE CLEANED AND SEALED PRIOR TO PLACEMENT OF THE ASPHALT. CRACKS FROM 6mm (1/4") TO 25mm (1") WIDE SHALL BE SEALED UNDER ITEM 633.12 WITH A MIXTURE OF BITUMINOUS MATERIAL MEETING THE REQUIREMENTS OF 702-4501 AS LISTED IN TABLE 6 OF SECTION 702 AND/OR OF 702-3601 AS LISTED IN TABLE 5 OF SECTION 702. MOPTAR SAND SHALL MEET THE REQUIREMENTS OF SUBSECTION 703-03. WHICHEVER EMULSION THE CONTRACTOR CHOOSES HE SHALL PROVIDE CERTIFICATION TO THE E.I.C. STATING THAT THE MATERIAL IS COMPATIBLE WITH THE MORTAR SAND SELECTED TO PRODUCE MATERIAL IS COMPATIBLE WITH THE MORTAR SAND SELECTED TO PRODUCE ALLOWABLE COATING AND RETENTION IN ANIONIC AND/OR CATIONIC PHASES. THE MATERIALS SHALL BE MIXED TO A MORTAR CONSISTENCY TO THE SATISFACTION OF THE ENGINEER. A MINERAL FILLER MEETING THE REQUIREMENTS OF 703-08 MAY BE ADDED FOR WORKABILITY AS ORDERED BY THE ENGINEER. CRACKS WIDER THAN 25mm SHALL BE REPAIRED AS SPECIFIED UNDER SUBSECTION 633-3.02. THE ZSMM SHALL BE REPAIRED AS SPECIFIED UNDER SUBSECTION 635-5.02. HE
  CLEANING SHALL CONSIST OF THE REMOVAL OF ALL DIRT AND LOOSE MATERIAL
  AND SHALL BE ACCOMPLISHED BY HOLDING A CLEANING JET, MEASURING AT LEAST
  550 KPA AT THE SOURCE, 25mm ABOVE THE PAVEMENT SURFACE. THIS WORK SHALL
  BE COMPLETED AT LEAST 24 HOURS BUT NO MORE THAN 2 WEEKS IN ADVANCE OF
  THE PAVING OPERATION. PAYMENT FOR THIS WORK WILL BE MADE UNDER ITEM
- 4. TACK COAT IN ADDITION TO THE DISTRIBUTOR EQUIPMENT DESCRIBED IN THE SPECIFICATIONS, SMALL POWER SPRAY UNITS OF HAND-HELD SPRAY EQUIPMENT, AS APPROVED BY THE ENGINEER, MAY BE USED IN THE AREAS WHERE USE OF THE DISTRIBUTOR IS IMPRACTICAL, SUCH AS; NARROW IRREGULAR AREAS, INTERSECTIONS AND OTHER LOCATIONS WHERE TRAFFIC MUST BE ALLOWED TO CROSS THE PAVEMENT AND IN AREAS WHERE THE DISTANCE BETWEEN INTERSECTIONS IS SHORT AS DETERMINED BY THE ENGINEER. CONTRACTOR SHALL ACCOUNT FOR THESE CONDITIONS IN HIS BID PRICE FOR RESPECTIVE TACK COAT ITEM.
- 5. TACK COAT SHALL BE APPLIED WHENEVER RESURFACING: (1) ANY PORTLAND CEMENT CONCRETE PAVEMENT; (2) ANY MILLED PAVEMENT; AND (3) ANY ASPHALT CONCRETE PAVEMENT EXCEPT WHEN THE EXISTING SURFACE IS EXCESSIVELY FLUSHED, AS

IN ADDITION, TACK COAT SHALL BE APPLIED TO CONTACT SURFACES BETWEEN ALL HOT MIX ASPHALT PAVEMENT LIFTS REGARDLESS OF TIME PERIOD BETWEEN LIFTS OR CONSTRUCTION VEHICLE USE (EXCLUDING THE SURFACE OF PERMEABLE BASE MATERIAL). CONTRACTOR'S ATTENTION IS DIRECTED TO SUBSECTION 402-3.06 OF THE STANDARD SPECIFICATIONS.

- 6. WHERE NOTCHES ARE CUT INTO THE EXISTING PAVEMENT IN PREPARATION FOR THE WHERE NUICHES ARE UIL INIO THE EXISTING PAVEMENT IN PREPARATION FOR THE OVERLAY AT THE LIMITS OF RESURFACING, PRIOR TO REOPENING THE ROADWAY TO TRAFFIC, THE CONTRACTOR SHALL EITHER PLACE THE PROPOSED ASPHALT OVERLAY IMMEDIATELY OR PLACE A TEMPORARY WEDGE (1 ON 60) OF ASPHALT TO ELIMINATE THE BUMP CREATED BY THE NOTCH. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE PAVING ITEMS.
- 7. IF REQUIRED ASPHALT THICKNESS TO ACHIEVE DESIRED ELEVATION FROM THE MILLED SURFACE IS LESS THAN 105 mm (4"), CONTRACTOR SHALL PAVE THE REQUIRED ASPHALT THICKNESS USING TOP COURSE ASPHALT, ITEM 404.127101. IF THE REQUIRED ASPHALT THICKNESS IS BETWEEN 105mm (4") AND 285 mm (11"), THE REQUIRED ASPHAL PAVE BINDER COURSE, ITEM 404.197901, ON THE MILLED SURFACE UP TO AN ELEVATION 40mm (1½") LESS THAN FINISHED GRADE TO ALLOW FOR A 40 mm (1½") TOP COURSE. IF THE REQUIRED ASPHALT THICKNESS IS BETWEEN 285 mm (11") AND 585 mm (23"), CONTRACTOR SHALL PLACE BASE COURSE, ITEM 404.377901, TO THE REQUIRED ELEVATION SUCH THAT A PAVEMENT SECTION OF 40mm (1½") TOP COURSE, 65mm (2½") BINDER COURSE, AND 180mm (7") BASE COURSE MAY BE PLACED. REQUIRED THICKNESSES IN EXCESS OF 585mm (23") SHALL REQUIRE A FULL DEPTH PAYEMENT SECTION TO BE PLACED. CONTRACTOR SHALL USE EMBANKMENT IN PLACE, ITEM 203.03 WHETHER IN THE SHOULDER OR ROADWAY SECTION TO ACHIEVE THE DESIRED ELEVATION BEFORE PLACING THE FULL DEPTH ASPHALT SECTION.

### PAVING (CONT.)

- 8. CONTRACTOR'S ATTENTION IS DIRECTED TO SUBSECTIONS 402-3.02 AND 402-3.06 OF THE STANDARD SPECIFICATIONS. WHEN HOT MIX ASPHALT IS TO BE PLACED BY BITUMINOUS PAVER THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN A CONSISTENT GRADATION ACROSS THE MAT. THIS MAY INCLUDE, BUT NOT MAINTAIN A CONSISTENT GRADATION ACROSS THE MAT. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REMIXING OF MATERIAL TRANSFERRED FROM THE HAULING UNIT. THE CONTRACTOR SHALL USE EQUIPMENT SUCH AS MOBILE CONVEYER, MATERIAL TRANSFER VEHICLE DEVICE, SHUTTLE BUGGY, MATERIAL TRANSFER PAVER, OR PAVER WITH REMIXER CONVEYOR SYSTEM. THE ENGINEER WILL CONSIDER OTHER TYPES OF EQUIPMENT OR MODIFICATIONS TO PAVERS, WHICH WILL MINIMIZE SEGREGATION. RAVELING THAT MAY OCCUR TO THE ASPHALT MAT THAT IS SUBJECT TO TRAFFIC DURING ANY PHASE OF CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL NECESSARY REPAIRS TO RAVELED AREAS SHALL BE REPAIRED AT NO COST TO THE COUNTY. THIS WORK MAY INCLUDE, BUT IS NOT LIMITED TO, SAW CUTTING, BEMOVEN OF PAVELED (MISTABLE HOT MIY ASPHALT AND DIACRMENT OF NEW HOT MIY REMOVAL OF RAVELED/UNSTABLE HOT MIX ASPHALT AND PLACEMENT OF ASPHALT MATERIAL IN REPAIR AREA, THE PAVER SHALL HAVE A CONSTANT FLOW/HEAD OF MATERIAL, THE WINGS OF THE PAVER RECEIVING HOPPER SHALL NOT BE RAISED (DUMPED) AT ANY TIME DURING THE PAVING OPERATION, STOPPING OF PAVING MACHINE SHALL BE KEPT TO A MINIMUM. BROADCASTING OF LOOSE MATERIAL OVER THE PAVED MAT WILL NOT BE PERMITTED.
- 9. EXISTING DRIVEWAYS SHALL BE PAVED/RESURFACED IN ACCORDANCE WITH NYSDOT DRIVEWAY STANDARD SHEET 608-4

#### PAVEMENT MARKINGS

- 1. A DOUBLE HEADED ARROW COMBINING THROUGH AND TURN MARKING IS TO BE CONSIDERED AS A SINGLE SYMBOL FOR PAYMENT UNDER ITEM 685.3404.
- WHERE BROKEN LINES ARE PLACED ADJACENT TO ONE ANOTHER, THE LINES SHALL START AND STOP OPPOSITE EACH OTHER.

### RESIDENT ENGINEER / ENGINEER-IN-CHARGE

REFERENCES TO THE RESIDENT ENGINEER (RE) OR ENGINEER IN CHARGE (E.I.C.) ARE INTENDED TO BE THE SAME PERSON.

#### CURBS AND SIDEWALKS

- THE PLANS SPECIFICALLY CALL FOR THE REMOVAL OF EXISTING CURBS AT VARIOUS LOCATIONS. OTHER EXISTING CURBS ARE TO BE REMOVED IN AREAS OF OBVIOUS CONFLICT WITH THE PROPOSED WORK OR WHERE ORDERED BY THE ENGINEER, IF EXCAVATION IS NOT PART OF THE PAYMENT FOR THE ITEM BEING PLACED IN THESE AREAS, PAYMENT WILL BE MADE UNDER ITEM 203.02. IF THERE IS NO OTHER GENERAL EXCAVATION IN THE AREA, THE CURB REMOVAL WILL BE PAID BY THE FACTOR OF 0.3 CUBIC METER PER METER OF CURB REMOVAL.
- 2. NEW CURBS NOT ABUTTING EXISTING CURB SHALL BE RAMPED DOWN TO ZERO HEIGHT REVEAL IN THE LAST 3m (10'), AT LOCATIONS FACING TRAFFIC.
- 3. THE COLOR OF THE DETECTABLE WARNING SURFACE ON SIDEWALK CURB RAMPS SHALL BE RED AS IN ACCORDANCE WITH THE MUTCD.
- 4. ITEM 608.01020005, COLORED AND IMPRINTED PORTLAND CEMENT CONCRETE SIDEWALK, SHALL BE BRICK RED WITH A RUNNING BRICK PATTERN.
- AT THE DISCRETION OF THE ENGINEER, WHERE EXISTING SUBBASE IS DEEMED UNFIT, REMOVAL AND REPLACEMENT WILL BE REQUIRED.

## **FENCING**

- 1. FENCE SHALL BE INSTALLED AT VARIOUS LOCATIONS SHOWN ON THE PLANS, FENCE LOCATIONS ARE APPROXIMATE, AND THE FINAL LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER, THE FINAL LOCATION WILL BE CHOSEN TO AVOID EXCESSIVE DAMAGE TO THE EXISTING LANDSCAPING, TO ASSURE PROPER SIGHT DISTANCE AND TO MINIMIZE POSSIBLE VEHICLE DAMAGE.
- WHEN INSTALLING FENCE IT MAY BE NECESSARY TO TRIM BRANCHES OR PERFORM MINOR CLEARING AND GRUBBING. THE COST OF THIS WORK AND THE REMOVAL OF ALL DEBRIS IS TO BE INCLUDED UNDER CLEARING AND GRUBBING ITEM 201.06.
- 3. WHEN INSTALLING TENSION WIRE AND/OR FABRIC THE CONTRACTOR SHALL TAKE PRECAUTIONS, SUCH AS USING A TEMPORARY BRACE, TO INSURE THAT UNDAMAGED LINE POSTS ARE NOT OVERSTRESSED. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT HIS EXPENSE. WHERE NEW FENCE ABUTS EXISTING FENCE THE TWO SHALL BE PROPERLY ATTACHED TO PROVIDE FULL CLOSURE AND A UNIFORM APPEARANCE.

#### MAINTENANCE RESPONSIBILITY

AFTER THE COMPLETION OF THE CONTRACT, ALL FEATURES OF THE HIGHWAY WILL BE MAINTAINED BY THE THE CITY OF BEACON.

- TEMPORARY ASPHALT IS NOT REQUIRED TO MEET PERFORMANCE REQUIREMENTS BUT SHALL BE PLACED TO THE SATISFACTION OF THE ENGINEER IN CHARGE. IF THE ASPHALT IS NOT PLACED TO THE SATISFACTION OF THE ENGINEER, IT SHALL BE REPLACED AT NO ADDITIONAL COST.
- 2. TEMPORARY ASPHALT SECTIONS SHALL BE 100mm (4") OF BINDER COURSE ON TOP OF 150mm (6") OF BASE COURSE ON TOP OF 200mm (12") OF SUBBASE COURSE. PAYMENT SHALL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.

#### SURVEY

- THE CONTRACTOR SHALL SURVEY AND STAKEOUT THE BASELINE AND CENTERLINE LOCATIONS AND ALL RIGHT-OF-WAY TAKING (FEE) LINES, PERMANENT EASEMENTS, TEMPORARY EASEMENTS, AND HIGHWAY BOUNDARY LINES DURING THE INITIAL STAGES OF THE PROJECT FOR USE BY THE UTILITY COMPANIES IN THEIR RELOCATION WORK. PAYMENT SHALL BE INCLUDED IN THE BID PRICE FOR ITEM
- 2. THE CONTRACTOR SHALL BE AWARE THAT ALL SURVEY AND STAKEOUT SHALL BE MAINTAINED FOR THE LIFE OF THE PROJECT AND MAY BE REQUIRED ON MULTIPLE OCCASIONS. THE CONTRACTOR SHALL CONSIDER THIS IN THE BID PRICE FOR ITEM 625-01.
- 3. BASEMAPPING CREATED USING 2001 SURVEY. ANY SURVEY OUTSIDE THE PURPOSES LISTED IN NOTE 1 SHALL BE DONE AT NO ADDITIONAL COST TO THE
- 4. 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 OR PLACING ASPHALT OR PAVERS. SURVEY WORK NECESSARY TO MEET THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF ITEM 625.01 - SURVEY OPERATIONS.

#### CLEARING & GRUBBING AND TREE REMOVAL

- 1. ITEM 201.06 CLEARING AND GRUBBING SHALL INCLUDE THE REMOVAL OR TRIMMING OF ANY TREES/BRUSH/SHRUBS AND STUMPS WITHIN THE CUT/FILL LIMITS AS SHOWN IN THE PLANS AND/OR AS ORDERED BY THE ENGINEER WITH THE FOLLOWING
  - -ITEMIZED TREES DESIGNATED FOR REMOVAL IN THE GENERAL PLANS SHALL BE PAID UNDER THE RESPECTIVE ITEM SHOWN AND WILL NOT BE PAID UNDER ITEM
  - -ANY REMAINING TREES THAT ARE NOT PAID UNDER SERIALIZED TREE REMOVAL ITEMS SHALL BE PAID UNDER ITEM 201.06 ONLY AS APPROVED BY THE
- 2. PRIOR TO THE CLEARING, GRUBBING, TRIMMING AND TREE REMOVAL EFFORTS, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER OR HIS DESIGNEE IN THE FIELD TO ENSURE OPERATIONS ARE PERFORMED ON THE PROPER TREES, SHRUBS OR NO ITEMIZED TREE REMOVAL SHALL OCCUR WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
- 3. ANY NECESSARY CLEARING OR REMOVALS ARE SUBJECT TO THE REQUIREMENTS OF THE "TREE PROTECTION FOR ENDANGERED SPECIES" AND "TIME OF YEAR CUTTING RESTRICTIONS FOR INDIANA BAT & NORTHERN LONG EARED BAT" LISTED ON DWG. GNN-03.

### SIGNS

- 1. RESTORATION OF THE AREA AROUND SIGNS TO BE REMOVED. WHERE NO OTHER WORK IS PROPOSED, SHALL BE INCLUDED IN THE PRICE BID FOR SIGN REMOVAL.
  THE AREA SHALL BE RESTORED SIMILAR TO THE SURROUNDING AREAS, AOBE.
- THE CONTRACTOR SHALL NOT REMOVE EXISTING GROUND MOUNTED SIGNS UNTIL PROPOSED SIGNS ARE INSTALLED TO THE SATISFACTION OF THE ENGINEER.
- 3. CURRENT REQUIREMENTS FOR LATERAL CLEARANCE AND HEIGHT REQUIREMENTS FOR SIGNS ARE GIVEN ON THE STANDARD SHEET TITLED "POSITIONING OF TRAFFIC
- 4. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SUBSECTION 645-2.02 "SIGN PANELS" OF THE STANDARD SPECIFICATIONS. THE REQUIRED IDENTIFICATION SHALL BE APPLIED TO ALL NEW SIGN PANELS.



	WS[]		CITY OF BEACON						
DATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKI	-	NO:	GNN-01			
PE DB	<sub>DE</sub> SM	<sub>PM</sub> DW	GENERAL NOTES	SCALE: AS SHOWN	SHEET	7 of <b>64</b>			

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 ITIES 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,
- 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 AOBE, WHERE CONFLICTS BETWEEN THE PROPOSED AND EXISTING FACILITIES ARE ANTICIPATED. PAYMENT WILL BE MADE UNDER ITEM 206.05.

- AT WATER MAIN, SEWER MAIN AND SEWER LATERAL CROSSINGS:
- 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
- 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
- 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 EPON CONCRETE TRICKS MINERS OR STREED DEVICES BE ALLOWED. WASHINGS FROM CONCRETE TRUCKS, MIXERS, OR OTHER DEVICES BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY WATER BODIES (INCLUDING
- 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
- 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 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
- 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 RAIFFALL. IF NO PART AND ALL OF THE PROPERTY SEVEN AS A SECOND OF THE PROPERTY OF THE PROPE RAINFALL OCCURS, INSPECTION SHALL BE DONE ONCE EVERY SEVEN
- 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
- 9. TEMPORARY STOCKPILES OF SOIL SHALL BE PROTECTED AS PER THE SOIL EROSION AND SEDIMENT CONTROL DETAILS IN THE NYSDOT 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 EFECTIVENIES
- 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 SPECIFICTIONS 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 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 SILTAIN AQUIATIC LIFE DOWNSTREAM. 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:

- 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
- 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.
- 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.
- 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.
- 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 VYLE DEFALCO - 8455 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

KEVIN ROBINSON - (914) 326-1071

#### HOLIDAY WORK RESTRICTIONS

- 1. UNLESS APPROVED IN WRITING BY THE RESIDENT ENGINEER, NO WORK SHALL BE PERMITTED ON THE FOLLOWING HOLIDAYS:
- -MARTIN LUTHER KING JR. DAY -LINCOLN'S BIRTHDAY
- -PRESIDENT'S DAY/WASHINGTON'S BIRTHDAY
- -MEMORIAL DAY
- -INDEPENDENCE DAY
- -I AROR DAY
- -COLUMBUS DAY
- -FLECTION DAY
- -VETERANS DAY
- -THANKSGIVING DAY -CHRISTMAS DAY
- REFER TO WWW.DUTCHESSNY.GOV FOR SPECIFIC CALENDAR DATES.

CITY OF BEACON PIN 8757.80 & PIN 8757.30 **OCTOBER 2023** GNN-02 REHABILITATION OF TELLER & FISHKILL AVENUES GENERAL NOTES DB SM DW AS SHOWN SHEET 8 OF 64

- 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
- 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.
- 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
- 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 INSTALL ATION AND COP DEMOVAL ITEMS 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 MYSDOT STANDARD SHEET "SPAN WIRE MOUNTED TRAFFIC SIGNAL
- 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
- 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
- 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
- 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
- 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
- 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 RELEASES FOR ANY NUMBERSHIPM CONTRACT WORM OUTSIDE OF THE EAST TIND 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

#### 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

 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 BREAST HEIGHT (DBH).

### MAINTENANCE & PROTECTION OF TRAFFIC NOTES:

- 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 MUITCD AND THE NEW YORK STATE SUPPLEMENT OR SIMPLY THE MUITCD) PART 6 AND OTHER EXHIBITS OF THE DOCUMENT AS ORDERED BY THE ENGINEER.
- 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
- 3. PLANS DETAILING THE SPECIFIC MPT LAYOUTS TO BE USED SHALL BE SUBMITTED TO THE EINGINEER 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
- 5. THE CONTRACTOR MUST NOTIFY THE ENGINEER, THE CITY OF BEACON 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.
- 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 THE PROFUSED DELIGIOR SHALL BE SUBMITTED TO THE ENGINEER AT LEAST SO 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.
- 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 MUTCO 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
- 10. THE CONTRACTOR'S ATTENTION IS DIRECTED TO CHAPTER 6F, SECTION 6F.O2 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, FUSI INTERMEDIATE SPEED LIMIT SIGNS IN ACCURDANCE WITH TABLE 60-1, 60-2, 64-3, AND 66-1 OF THE MUTCO 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.
- 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 WITHIN THE WORK 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 PEDESTRIANS TO HAZARDS FROM TRAFFIL 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
- 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 MESSAGES 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:

LOCATION: WOLCOTT AVENUE (ROUTE 9D) APPROXIMATELY 500' EAST OF THE INTERSECTION WITH TELLE AVENUE DURATION: FOR THE DURATION OF CONSTRUCTION

WEST OF THE INTERSECTION WITH TELLE AVENUE DURATION: FOR THE DURATION OF CONSTRUCTION LOCATION: MAIN STREET APPROXIMATELY 500' WEST OF THE

LOCATION: WOLCOTT AVENUE (ROUTE 9D) APPROXIMATELY 500'

# INTERSECTION WITH FISHKILL AVENUE

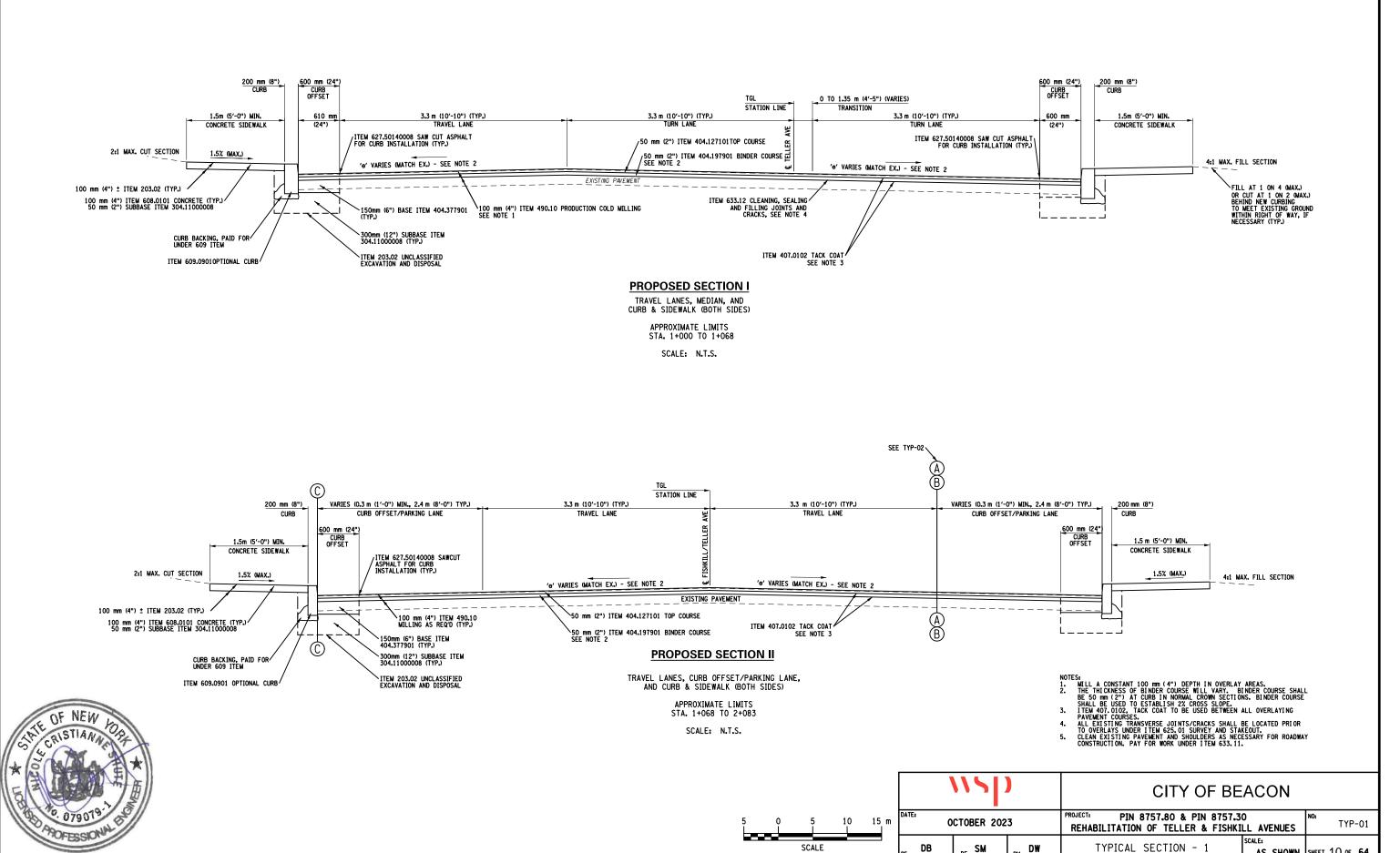
LOCATION: VERPLANCK AVENUE APPROXIMATELY 500' WEST OF THE INTERSECTION WITH TELLER AVENUE DURATION: FOR THE DURATION OF CONSTRUCTION

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.



•	<b>\\S</b> [		CITY OF BEACON							
DATE:	CTOBER 202	:3	PROJECT: PIN 8757.80 & PIN 8757.30  REHABILITATION OF TELLER & FISHKILL AVENUES							
<sub>PE</sub> DB	DE SM	PM DW	GENERAL NOTES	SCALE: AS SHOWN	SHEET	9 of <b>64</b>				





SCALE

SM

DW

AS SHOWN SHEET 10 OF 64

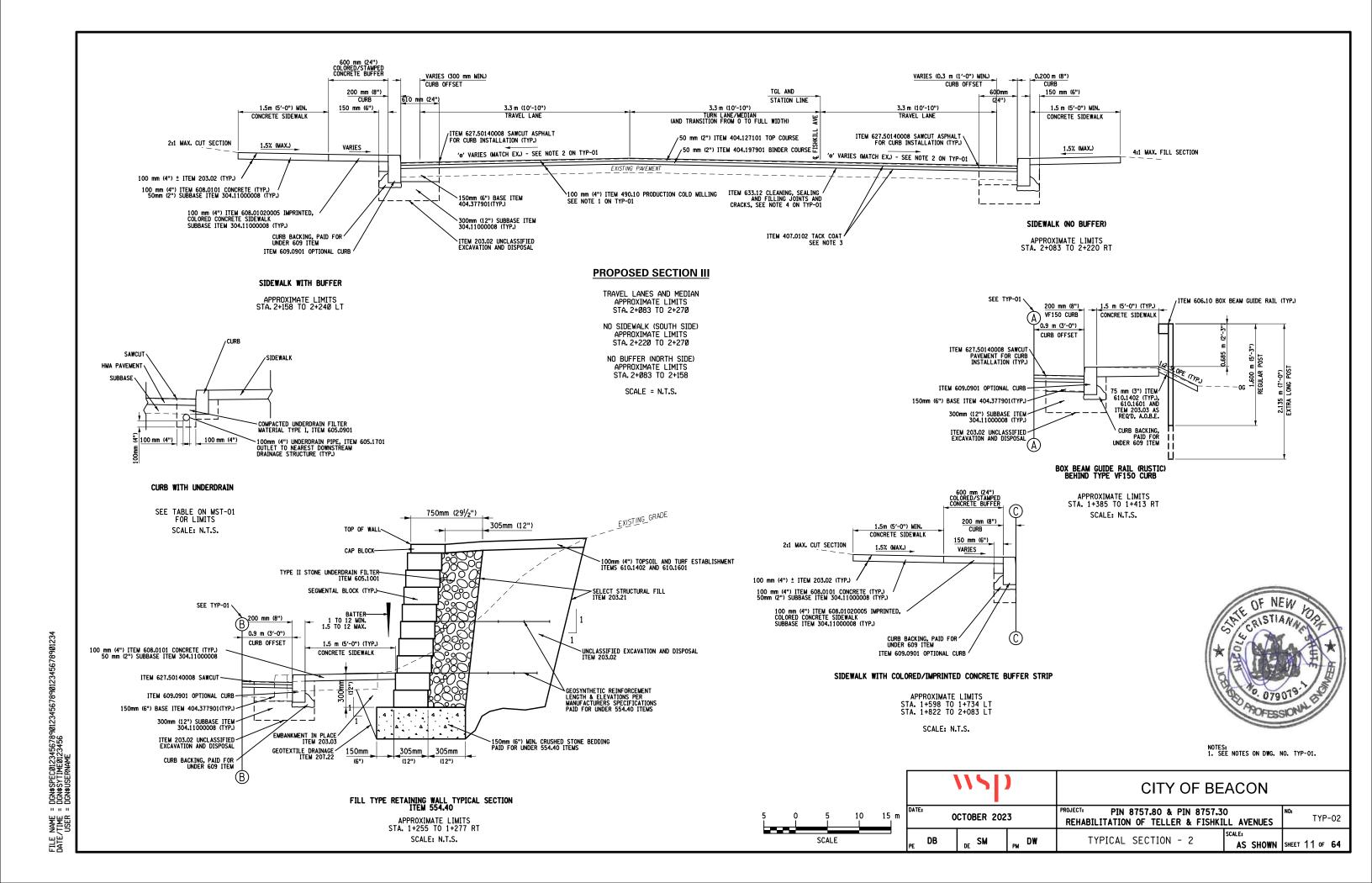


								TABLE OF	ROW ACQUISITION	ONS					
	Section	Block	Lot	Мар	Parcel	First Name	Last Name	Address	Lot Size (AC)	TYPE	AREA (SM)	AREA (SF)	AREA (AC)	%	REMARKS
	5954	44	944642	1	1	LAJ Beacon	LLC	916 Wolcott Avenue	0.45	FEE	8.045	86.5957	0.0020		Reconstruct curb radius and sidewalk
	0304	77	344042	'	2	LAS Beacon	LLO	3 TO VVOICOR Avenue	0.40	PE	9.397	101.1485	0.0023		Sidewalk
	5954	44	929654	2	3	Cyrus	Vaughn	9 Teller Avenue	0.22	FEE	1.143	12.2999	0.0003	1.71%	Sidewalk
8					4	,		0 101101111011110		PE	14.072	151.4730	0.0035		Sidewalk
PIN 8757.	5954	44	941673	4	6	Nicholas	Spiak	25 Teller Avenue	0.12	PE	2.327	25.0476			Sidewalk
87	5954	44	944677	5	7	29 TELLER AVENUE	LLC	29 Teller Avenue	0.12	FEE	17.230	185.4000	0.0043	6.34%	Sidewalk
Z					8	20 12221171121102		20 101101 7 11011110	0.12	PE	13.550	145.8000	0.0033		Sidewalk
₾	5954	44	985708	6	9	Mari Ann	Corsi	281 Rombout Avenue	0.195	FEE	12.857	138.3937	0.0032		Sidewalk + Retaining Wall
					10					PE	49.721	535.1924	0.0123		Retaining Wall Installation and Maintenance
	6054	29	002765	7	11	Felicia	McKeon	111 Teller Avenue	0.11	FEE	3.908	42.0675			Sidewalk
	6054	29	015786	8	12	Beacon 403	LLC	403 Main Street	0.13	FEE	36.147	389.0831	0.0089	6.87%	Sidewalk
	6054	29	023801	9	13	RCU	Inc.	145 Fishkill Avenue	0.20	FEE	5.196	55.9293	0.0013	2 29%	Reconstruct curb radius and sidewalk
	0007	20	020001		45	NO O	110.	140 Figuriary Cride	0.20	TE	13.335	143.5367	0.0033		Work Area and Signification
	6054	29	030795	10	14	Beacon United	LLC	390 Main Street	0.14	FEE	21.345	229.7557		4.40%	Sidewalk
	0004	20		10	15	Dedocti Stitled		030 Main Check	0.14	PE	3.558	38.3023	0.0009		Driveway
	6054	29	018818	11	16	The Salvation	Army	372 Main Street	0.60	PE	5.758	61.9743	0.0014	0.24%	Sidewalk/Driveway
	6054	29	030846	14	19	City of Beacon	Housing Authority	31 Eliza Street	1.50	PE	10.430	112.2708	0.0026	0.17%	Sidewalk
0	6054	29	041858	15	20	Sandra	Ahern	183 Fishkill Avenue	0.26	PE	6.971	75.0384			Sidewalk/Driveway
7.30	6054	29	047864	16	21	Emily	De Cordova	189 Fishkill Avenue	0.30	PE	2.075	22.3362	0.0005	0.17%	Sidewalk/Driveway
8757	6054	29	077861	18	23	Patricia L	Mansperger	202 Fishkill Avenue	0.48	FEE	6.491	69.8664	0.0016	0.33%	Sidewalk/Driveway
<u>∞</u>	6054	29	076868	19	24	Luis	Yanqui	212 Fishkill Avenue	0.11	FEE	8.171	87.9551	0.0020	1.84%	Sidewalk/Driveway
뫁	6054	22	129896	21	26	Daniel & Chelsea	Fogal	256 Fishkill Avenue	0.08	FEE	2.075	22.3362	0.0005	0.64%	Sidewalk
-	6054	21	118908	22	27	Douglas	Lyons	5 Lincoln Avenue	0.35	PE	0.704	7.5778	0.0002	0.05%	Sidewalk
	6054	22	130914	24	29	Edward Jr. & Amanda	Simons	263 Fishkill Avenue	0.14	FEE	13.564	146.0038	0.0034	4.08%	Sidewalk/Widening
	0034	22	130914	24	47	Edward St. & Amarida	SITIOTIS	203 FISHKIII AVEITUE	0.14	TE	9.543	102.7178	0.0024	4.00 70	Reset CL Fence
	6054	22	139917	25	30	Karen	Clark	269 Fishkill Avenue	0.11	FEE	22.498	242.1697	0.0056	5.05%	Sidewalk/Widening
	6054	22	146921	26	31	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	32	KJAM	LLC	283 Fishkill Avenue	0.13	FEE	15.316	164.8622	0.0038	2.91%	Sidewalk/Driveway/Widening
	6054	22	165913	28	33	Edward	Williams, Jr.	290 Fishkill Avenue	0.17	PE	0.579	6.2269	0.0001	0.08%	Sidewalk



	WSD		CITY OF BE	ACON	
ATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKI	-	NO: RWT-01
<sub>E</sub> DB	DE SM	PM DW	ROW ACQUISITION TABLE	SCALE: AS SHOWN	SHEET 12 OF <b>64</b>

= DGN*SPECØ123456789Ø123456789Ø123456789Ø1234	LIME = DON*STIMEDIZG435
FILE NAME	JAIE/IIME
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- 1		STA.	(M)	(FT)	SIA.	(M)	(FT)			(M)	(FT)	(M)	(FT)
		1+007.3	27.30	89.54	1+010.75	14.97	49.10	L	N/A	12.81	42.02	13	42
- 1		1+010.75	14.97	49.10	1+018.87	8.40	27.55	L	9	11.14	36.54	11	37
- 1		1+018.87											
			8.40	27.55	1+053.04	5.98	19.61	L	N/A	34.27	112.41	34	112
		1+053.04	5.98	19.61	1+056.42	9.09	29.82	L	3.05	5.2	17.06	5	17
		1+056.42	9.09	29.82	1+056.25	15.67	51.40	L	N/A	2.15	7.05	2	7
		1+011.04	11.39	37.36	1+018.54	3.91	12.82	R	7.5	11.76	38.57	12	39
		1+018.61	3.91	12.82	1+069.97	3.91	12.82	R	N/A	51.43	168.69	51	169
		1+069.97	3.91	12.82	1+072.95	6.54	21.45	R	3	4.34	14.24	4	14
		1+072.95	6.54	21.45	1+073.33	9.55	31.32	R	N/A	3.04	9.97	3	10
			0.01	0.00	1.010.00	0.00	0.00			0.01	0.00	0	0
		41004 47	14.98	49.13	4100470	8.32	27.29		N116	0.07	21.88	7	22
- 1		1+064.47			1+064.79			L	N/A	6.67			
		1+064.79	8.32	27.29	1+067.77	5.41	17.74	L	3.05	4.59	15.06	5	15
- 1		1+067.77	5.41	17.74	1+127.75	5.70	18.70	L	N/A	59.87	196.37	60	196
		1+081.55	8.51	27.91	1+081.38	6.25	20.50	R	N/A	2.26	7.41	2	7
- 1		1+081.38	6.25	20.50	1+083.37	4.11	13.48	R	2	3.29	10.79	3	11
		1+083.37	4.11	13.48	1+199.58	5.64	18.50	R	N/A	116.1	380.81	116	381
		1+199.58	5.64	18.50	1+201.67	7.54	24.73	R	2	3.08	10.10	3	10
- 1		1+201.67	7.54	24.73	1+201.88	11.95	39.20	R	N/A	4.44	14.56	4	15
		1+127.75	5.70	18.70	1+130.75	8.82	28.93	L	3	4.83	15.84	5	16
- 1		1+130.75	8.82	28.93	1+130.62	12.13	39.79	L	N/A	3.31	10.86	3	11
- 1		1+138.98	12.13	39.79	1+139.16	8.55	28.04	L	N/A	3.58	11.74	4	12
- 1		1+139.16	8.55	28.04	1+142.15	5.70	18.70	L	3	4.56	14.96	5	15
- 1												60	
		1+142.15	5.70	18.70	1+201.69	6.10	20.01	L	N/A	59.76	196.01		196
		1+201.69	6.10	20.01	1+203.57	8.25	27.06	L	2	3.22	10.56	3	11
		1+203.57	8.25	27.06	1+203.41	10.25	33.62	L	N/A	2	6.56	2	7
				0.00			0.00	L			0.00	0	0
		1+211.15	10.72	35.16	1+211.29	8.61	28.24	L	N/A	2.11	6.92	2	7
		1+211.29	8.61	28.24	1+214.16	5.82	19.09	L	3	4.43	14.53	4	15
		1+214.16	5.82	19.09	1+275.34	5.73	18.79	L	N/A	61.37	201.29	61	201
	7	1+275.34	5.73	18.79	1+277.28	7.94	26.04	L	2	3.33	10.92	3	11
	SHARE	1+277.28	7.94	26.04	1+277.02	10.37	34.01	L	N/A	2.45	8.04	2	8
- 1	1 1	1+210.53	11.46	37.59	1+210.00	7.44	24.40	R	N/A	4.03	13.22	4	13
- 1	"	1+210.00	7.44	24.40	1+212.21	5.30	17.38	R	2	3.22	10.56	3	11
- 1		1+212.21	5.30	17.38	1+239.69	3.90	12.79	R	N/A	27.38	89.81	27	90
- 1		1+239.69	3.90	12.79	1+276.62	3.86	12.66	R	N/A	36.85	120.87	37	121
- 1		1+276.62	3.86	12.66	1+279.68	6.69	21.94	R	3	4.56	14.96	5	15
- 1		1+279.68	6.69	21.94	1+279.81	8.89	29.16	R	N/A	2.2	7.22	2	7
		1+2/9.00	6.09		1+2/9.61	0.09		17	N/A	2.2			
		4.005.75	44.40	0.00	4.000.00	0.05	0.00		N114	0.40	0.00	0	0
		1+285.75	11.40	37.39	1+286.22	8.25	27.06	L	N/A	3.18	10.43	3	10
		1+286.22	8.25	27.06	1+289.19	5.70	18.70	L	3	4.26	13.97	4	14
		1+289.19	5.70	18.70	1+363.47	4.66	15.28	L	N/A	73.67	241.64	74	242
		1+363.47	4.66	15.28	1+365.72	6.48	21.25	L	2	3.17	10.40	3	10
		1+365.72	6.48	21.25	1+366.09	10.26	33.65	L	N/A	3.79	12.43	4	12
		1+289.49	8.21	26.93	1+289.41	5.73	18.79	R	N/A	2.47	8.10	2	8
		1+289.41	5.73	18.79	1+291.51	3.67	12.04	R	2	3.31	10.86	3	11
		1+291.51	3.67	12.04	1+355.38	6.10	20.01	R	N/A	64.48	211.49	64	211
		1+355.38	6.10	20.01	1+370.69	5.55	18.20	R	67.87	15.79	51.79	16	52
		1+370.69	5.55	18.20	1+461.11	4.24	13.91	R	N/A	91.04	298.61	91	299
		1+461.11	4.24	13.91	1+463.08	6.55	21.48	R	2	3.46	11.35	3	11
		1+463.08	6.55	21.48	1+462.58	10.00	32.80	R	N/A	3.49	11.45	3	11
		1+377.65	8.97	29.42	1+377.39	7.25	23.78	L	N/A	1.72	5.64	2	6
- 1						4.95		-					11
		1+377.39	7.25	23.78	1+379.37		16.24	L	2	3.39	11.12	3	
		1+379.37	4.95	16.24	1+393.07	4.37	14.33	L	N/A	13.38	43.89	13	44
		1+393.07	4.37	14.33	1+451.10	6.59	21.62	L	N/A	58.03	190.34	58	190
		1+451.10	4.26	13.97	1+454.02	6.59	21.62	L	3	4.04	13.25	4	13
		1+454.02	6.59	21.62	1+455.29	12.07	39.59	L	N/A	5.62	18.43	6	18
				0.00			0.00				0.00	0	0
		1+470.08	8.67	28.44	1+473.76	3.70	12.14	L	4	7.18	23.55	7	24
		1+473.76	3.70	12.14	1+535.00	3.61	11.84	L	N/A	61.23	200.83	61	201
		1+535.00	3.61	11.84	1+538.92	6.79	22.27	L	4	5.46	17.91	5	18
	L	1+538.92	6.79	22.27	1+539.75	10.26	33.65	L	N/A	3.55	11.64	4	12
		1+471.00	11.16	36.60	1+472.39	6.88	22.57	R	N/A	4.5	14.76	5	15
		1+472.39	6.88	22.57	1+475.21	4.78	15.68	R	3	3.72	12.20	4	12
		1+475.21	4.78	15.68	1+528.61	6.91	22.66	R	N/A	53.37	175.05	53	175
		1+528.61	6.91	22.66	1+534.49	14.30	46.90	R	5.98	10.82	35.49	11	35
		1+534.42	14.30	46.90	1+534.38	14.48	47.49	R	N/A	0.19	0.62	0	1
				0.00			0.00				0.00	0	0
		1+550.33	11.73	38.47	1+557.36	3.62	11.87	L	6.72	12.22	40.08	12	40
	8	1+557.36	3.62	11.87	1+716.02	3.83	12.56	L	N/A	161.95	531.20	162	531
	Ä.	1+716.02	3.83	12.56	1+737.46	3.98	13.05	L	N/A	21.87	71.73	22	72
ų l	SHARE	1+737.46	3.98	13.05	1+764.04	4.55	14.92	L	N/A	26.2	85.94	26	86
₹	σ̈	1+764.04	4.55	14.92	1+785.00	4.88	16.01	L	54.88	19.42	63.70	19	64
DGN*USEKNAME		1+785.00	4.88	16.01	1+795.24	14.22	46.64	L	12.66	15.52	50.91	16	51
<u></u>		1+795.24	14.22	46.64	1+796.50	19.74	64.75	L	N/A	5.66	18.56	6	19
<u></u>				0.00			0.00				0.00	0	0
≾ <b>I</b>		1+553.46*	7.38	24.21	1+156.16	5.46	17.91	L	0.61*	17.06	55.96	17	56
"												0	0
USEK		1+543.80	16.55	54.28	1+545.40	9.30	30.50	R	N/A	7.42	24.34	7	24
3		1+545.40	9.30	30.50	1+549.04	6.17	20.24	R	4	5.14	16.86	5	17
		1+549.04	6.17	20.24	1+708.09	5.95	19.52	R	N/A	162.57	533.23	163	533
_													

TABLE OF CURB

SIDE RADIUS

Offset (M) (FT)

LENGTH

STATION TO STATION

STA.

Offset (M) (FT)

SHARE

STA.

							T/	ABLE OF	CURE	3				
	Y ITEM 9.0901				STATION T	O STATION					LEI	NGTH		Y ITEM
(M)	9.0901 (FT)	SHARE	STA.	(M)	fset	STA.	(M)	set (FT)	SIDE	RADIUS		(FT)	(M)	9.0901 (FT)
13	42		1+708.09	5.95	(FT) 19.52	1+770.37	4.89	16.04	R	198.02	(M) 60.45	198.28	60	198
11	37		1+770.37	4.89	16.04	1+790.81	4.02	13.19	R	55.59	15.94	52.28	16	52
34	112		1+790.81	4.02	13.19	1+794.26	4.20	13.78	R	12.5	3.5	11.48	4	11
6	17				0.00			0.00				0.00	0	0
2	7		1+808.50	16.92	55.50	1+822.70	3.92	12.86	L	14	21.23	69.63	21	70
12 51	39 169		1+822.70	3.92 4.84	12.86 15.88	1+911.39	4.84 7.25	15.88 23.78	L	N/A 2	88.66 3.52	290.80 11.55	89 4	291 12
4	14		1+911.39	7.25	23.78	1+913.29	9.89	32.44	L	N/A	2.7	8.86	3	9
3	10		1+809.74	10.99	36.05	1+809.22	9.58	31.42	R	N/A	1.51	4.95	2	5
0	0		1+809.22	9.58	31.42	1+813.08	4.64	15.22	R	4	7.23	23.71	7	24
7	22		1+813.08	4.64	15.22	1+875.59	4.57	14.99	R	N/A	62.21	204.05	62	204
5	15 196		1+875.59	4.57	14.99	1+879.35	7.19	23.58	R	4	4.87	15.97	5	16
60 2	7		1+879.35	7.19	23.58 0.00	1+880.49	10.30	33.78 0.00	R	N/A	3.31	10.86 0.00	3	11
3	11		1+888.93	9.61	31.52	1+888.09	7.34	24.08	R	N/A	2.42	7.94	2	8
116	381		1+888.09	7.34	24.08	1+889.98	4.64	15.22	R	2	3.87	12.69	4	13
3	10		1+889.98	4.64	15.22	1+954.74	5.19	17.02	R	N/A	64.7	212.22	65	212
4	15		1+954.74	5.19	17.02	1+956.56	6.38	20.93	R	2	2.35	7.71	2	8
5	16		1+956.56	6.38	20.93	1+957.85	9.84	32.28	R	N/A	3.62	11.87	4	12
3	11		1+923.85	9.71	31.85	1+924.84	5.89	19.32	L	N/A	3.94	12.92	4	13
5	12 15		1+924.84	5.89 4.39	19.32 14.40	1+926.78 1+992.53	4.39	14.40 14.46	L	2 N/A	2.64 65.76	8.66 215.69	3 66	9 216
60	196		1+926.78	4.39	14.40	1+992.53	7.38	24.21	L	N/A 2.5	4.41	14.46	4	14
3	11		1+994.99	7.38	24.21	1+994.65	9.46	31.03	L	N/A	2.1	6.89	2	7
2	7				0.00			0.00				0.00	0	0
0	0		1+966.55	9.50	31.16	1+965.76	7.40	24.27	R	N/A	2.25	7.38	2	7
2	7		1+965.76	7.40	24.27	1+967.63	4.71	15.45	R	2	3.84	12.60	4	13
4 61	15 201		1+967.63	4.71	15.45	2+032.61	4.61	15.12	R	N/A	64.98	213.13	65	213
3	11		2+032.61 2+034.50	4.61 5.92	15.12 19.42	2+034.50 2+035.96	5.92 9.93	19.42 32.57	R R	2 N/A	2.45 4.27	8.04 14.01	4	14
2	8													
4	13		2+002.97	9.32	30.57	2+003.76	5.94	19.48	L	N/A	3.47	11.38	3	11
3	11		2+003.76	5.94	19.48	2+005.69	4.39	14.40	L	2	2.66	8.72	3	9
27	90	2	2+005.69 2+071.46	4.39 3.73	14.40 12.23	2+071.46 2+073.44	3.73 6.55	12.23 21.48	L	N/A 2	65.77 3.44	215.73 11.28	66 3	216
37	121		2+071.46	6.55	21.48	2+073.44	8.72	28.60	L	N/A	2.19	7.18	2	7
5	15 7	SHARE			0.00			0.00				0.00	0	0
0	0	رم ا	2+045.02	10.02	32.87	2+043.93	7.03	23.06	R	N/A	3.18	10.43	3	10
3	10		2+043.93	7.03	23.06	2+045.83	4.40	14.43	R	2	3.78	12.40	4	12
4	14		2+045.83	4.40	14.43	2+093.89	4.72	15.48	R	N/A	48.06	157.64	48	158
74	242		2+093.89 2+140.06	4.72 6.90	15.48 22.63	2+140.06 2+165.45	6.90	22.63 22.63	R R	N/A 43.1	45.55 25.39	149.40 83.28	46 25	149 83
3	10		2+165.45	6.90	22.63	2+165.45	6.90	22.63	R	43.1 N/A	17.82	58.45	18	58
4	12		2+183.27	6.90	22.63	2+184.92	10.03	32.90	R	2	4.34	14.24	4	14
3	8 11		2+184.92	10.03	32.90	2+183.58	11.99	39.33	R	N/A	2.38	7.81	2	8
64	211		2+081.02	8.57	28.11	2+081.63	5.90	19.35	L	N/A	2.73	8.95	3	9
16	52		2+081.63	5.90	19.35	2+083.49	4.35	14.27	L	2	2.6	8.53	3	9
91	299		2+083.49	4.35	14.27	2+098.95	3.65	11.97	L	N/A	15.47	50.74	15	51
3	11		2+098.95 2+101.22	3.65 3.60	11.97 11.81	2+101.22 2+105.89	3.60	11.81 11.81	L	50 N/A	2.27 4.67	7.45 15.32	2 5	7 15
3	11		2+101.22	3.60	11.81	2+105.89	3.60	11.81	L	153.6	17.05	55.92	17	56
2	6		2+122.55	3.60	11.81	2+140.06	3.60	11.81	L	N/A	17.52	57.47	18	57
3 13	11 44		2+140.06	3.60	11.81	2+142.97	3.60	11.81	L	53.6	3.11	10.20	3	10
58	190		2+142.97	3.60	11.81	2+146.47	9.88	32.41	L	4.5	8.73	28.63	9	29
4	13		2+146.47	9.88	32.41	2+144.95	14.07	46.15	L	N/A	4.6	15.09	5	15
6	18		2+150.47	17.42	0.00	2+156.03	6.00	0.00		NPA	12.00	0.00 41.62	0	0
0	0		2+150.17 2+156.03	17.43 6.96	57.17 22.83	2+156.03	6.96 3.76	22.83 12.33	L	N/A 10	7.11	23.32	13 7	42 23
7	24		2+161.59	3.76	12.33	2+101.33	3.60	11.81	L	N/A	44.56	146.16	45	146
61 5	201 18		2+205.85	3.60	11.81	2+240.08	3.60	11.81	L	1003.6	34.23	112.27	34	112
4	18		2+240.08	3.60	11.81	2+270	3.69	12.10	L	N/A	30	98.40	30	98
5	15				0.00								0	0
4	12		2+193.42	12.00	39.36	2+195.67	8.81	28.90	R	N/A	3.9	12.79	4	13
53	175		2+195.67	8.81	28.90	2+199.35	6.90	22.63	R	4.5	4.31	14.14	4	14
11	35		2+199.35 2+213.36	6.90 6.87	22.63 22.53	2+213.36 2+218.27	6.87 13.25	22.53 43.46	R R	N/A 5	13.96 9.44	45.79 30.96	14 9	46 31
0	1		2+213.36	13.25	43.46	2+218.01	14.06	46.12	R	N/A	0.71	2.33	1	2
	0				0.00			0.00	H			0.00	0	0
12	40	1												
12	40 531		2+227.42	17.20	56.42	2+228.52	13.93	45.69	R	N/A	3.44	11.28	3	11
	531 72		2+227.42 2+228.52 2+238.00	17.20 13.93 7.04	56.42 45.69 23.09	2+228.52 2+238.00 2+239.91	7.04 7.01	45.69 23.09 22.99	R R R	N/A 10 493.1	3.44 12.42 1.89	11.28 40.74 6.20	3 12 2	11 41 6

NOTE: • LOCATION OF CURB ALONG GAS STATION CURBED AREA ALONG BACK OF SIDEWALK AT NORTH EAST INTERSETION ALONG MAIN ST AND FISHKILL AVE. SEE GMP-04.

			- The state of the		
wsp			CITY OF BEACON		
OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	MST-01	
<sub>PE</sub> DB	DE SM	PM DW	MISCELLANEOUS TABLES - 1 SCALE:  AS SHOWN	SHEET 13 OF <b>64</b>	

	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	ICILY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81					
1 2	FISHKILL AVENUE (SR 52)	STA. 1+542 TO STA. 1+597	ALL ROADWAY FEATURES INCLUDING SNOW REMOVAL	ICILY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81					
1 3	WOLCOTT AVENUE (SR 9D)	WITHIN PROJECT LIMITS	ALL ROADWAY FEATURES INCLUDING SNOW REMOVAL	NYSDOT	HIGHWAY LAW SEC. 12					
1 4	FISHKILL AVENUE (SR 52)	ISTA 1+542 TO STA 1+597	ALL ROADWAY FEATURES INCLUDING NEW TRAFFIC SIGNAL AND SNOW REMOVAL	ICITY OF REACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81					
1 5	FISHKILL AVENUE (SR 52)	ISTA 1±542 LO STA 1±597	ALL ROADWAY FEATURES INCLUDING NEW TRAFFIC SIGNAL AND SNOW REMOVAL	ICILY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81					
1 6	FISHKILL AVENUE (SR 52)	STA. 1+542 TO STA. 1+597	ALL ROADWAY FEATURES INCLUDING SNOW REMOVAL	ICITY OF REACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81					



wsp			CITY OF BEACON			
DATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL A		MST-02	
PE DB	<sub>DE</sub> SM	<sub>PM</sub> DW	MISCELLANEOUS TABLES - 2		SHEET 14 OF 64	

FILE NAME = DGN\$SPECØ123456789Ø123456789Ø123456789Ø1234 DATE/TIME = DGN\$SYTIMEØ123456 USER = DGN\$USERNAME

1			<u> </u>		NMENT TAB						1	
CURVE	POINT	STATION	DELTA -	(M)	(FT)	(M)	(FT)	(M)	(FT)	NORTHING	EASTING	BEARING
	POB	0+999.93	<u> </u>	(W)	(1-17	(WI)	(1-1)	(141)	(1-1)	296127.080	194209.850	
	PC	1+088.56								296201.390	194258.160	N 31"43'48" E
		4 - 000 50								200204 200	404058 400	N. O.A.V.A.O.IA.DII.E.
C-1	PC PI	1+088.56 1+094.23	1"1802"	500.00	1640.00	5.67	18.60	11.35	37.23	296201.390 296206.140	194258.160 194261.250	N 31"43'48" E
0-1	CC	17094.23	1 1802	300.00	1040.00	3.07	16.00	11.55	31.23	296473.930	193838.970	
	PT	1+099.91								296210.970	194264.240	N 31"43'48" E
		11000.01										
	PT	1+099.91								296210.970	194264.240	N 31"43'48" E
	PC	1+115.20								296223.980	194272.280	N 31"51'58" E
											404070000	
C-2	PC PI	1+115.20	0°08'1"	3000.00	9840.00	3.57	11.71	7.14	23.42	296223.980 296227.010	194272.280 194274.160	N 31°51'58" E
0-2	cc	1+118.77	0 0011	3000.00	9640.00	5.01	11.71	7.14	20.42	294646.230	196823.890	
	PT	1+122.34								296230.040	194276.040	N 31°51'58" E
		1 122.01										
	PT	1+122.34								296230.040	194276.040	N 31°51'58" E
	PC	1+181.86								296280.600	194307.470	N 36°50'13" E
0.0	PC	1+181.86	4750451	500.00	4040.00	04.70	74.40	40.00	440.00	296280.600	194307.470	N 36"50"13" E
C-3	PI CC	1+203.56	4"5815"	500.00	1640.00	21.70	71.18	43.38	142.29	296299.030 296016.630	194318.920 194732.110	
	PT	1+225.24								296316.400	194331.940	N 36"50'13" E
		11220.24								250010.100	101001.010	1,00 00 10 2
	PT	1+225.24								296316.400	194331.940	N 36"50'13" E
	PC	1+270.35								296352.510	194358.980	N 38"38'44" E
	PC	1+270.35								296352.510	194358.980	N 38"38'44" E
C-4	PI	1+278.24	1"48"31"	500.000	1640.000	7.890	25.879	15.780	51.758	296358.820	194363.720	
	CC PT	1+286.14								296052.740 296364.990	194759.160 194368.640	N 38"38'44" E
		17200.14								250304.550	194300.040	N 30 30 44 L
	PT	1+286.14								296364.990	194368.640	N 38"38'44" E
	PC	1+339.72								296406.840	194402.110	N 23"18'22" E
	PC	1+339.72								296406.840	194402.110	N 23"18'22" E
C-5	PI	1+366.65	15°20'21"	200.000	656.000	26.930	88.330	53.540	175.611	296427.870	194418.930	
	CC									296531.740	194245.900	
	PT	1+393.26								296452.610	194429.580	N 23"18'22" E
	PI	1+393.26								296452.610	194429.580	N 23"18'22" E
	PC	1+467.12								296520.430	194458.800	N 24°57'39" E
C-6	PC PI	1+467.12	402046"	600.00	1968.00	0.66	20.40	47.22	56.84	296520.430	194458.800 194462.230	N 24°57'39" E
U-0	CC	1+475.78	1°39'16"	600.00	1968.00	8.66	28.40	17.33	00.04	296528.390 296283.050	195009.840	
	PT	1+484.44								296536.240	194465.890	N 24°57'39" E
	PT	1+484.44								296536.240	194465.890	N 24"57'39" E
	PC	1+548.51								296594.330	194492.920	N 21"34'56" E
	PC	1+548.51								296594.330	194492.920	N 21°34'56" E
C-7	PI	1+557.36	3°22'42"	300.00	984.00	8.85	29.03	17.69	58.02	296602.350	194496.660	1,2,0,00
	CC									296720.930	194220.940	
	PT	1+566.20								296610.580	194499.910	N 21°34'56" E
	PT	4.500.00								296610.580	194499.910	N 21°34'56" E
	PC	1+566.20 A1+017.22								296744.700	194552.970	N 40°58'18" E
		711.017.22								2007 7 117 00	101002.010	11 10 00 10 2
	PC	A1+017.22								296744.700	194552.970	N 40"58'18" E
C-8	PI	A 1+049.36	19"23"22"	188.00	616.64	32.13	105.39	63.65	208.77	296774.580	194564.790	
	CC	A1+080.87								296675.520	194727.870	NI 40°EON O"
	PCC	A 1+080.87								296798.840	194585.860	N 40"58'18" E
	PCC	1+773.83								296798.840	194585.860	N 40"58'18" E
C-9	PI	1+779.42	26°57'26"	50.00	164.00	11.98	39.29	23.52	77.15	296803.740	194588.620	
	CC									296766.060	194623.610	
	PT	1+790.96								296809.620	194599.060	N 60°35'56" E
	PT	11700.00								206900 620	104500 060	N 60°25'56" F
	PC	1+790.96 1+842.10								296809.620 296834.720	194599.060 194643.610	N 60°35'56" E N 60°00'15" E
	. ~	1 - 042. 10	l							203004.720	10-70-70.010	E

					MENT TAB							
CURVE	POINT	NCITATS	DELTA	R		Т		L		NORTHING	EASTING	BEARING
				(M)	(FT)	(M)	(FT)	(M)	(FT)			
	PC	1+842.10								296834.720	194643.610	N 60°00'15" E
C-10	PI	1+847.29	0°35'41"	1000.00	3280.00	5.19	17.02	10.38	34.05	296837.270	194648.130	1100 00 10 E
0-10	cc	1*047.20	0 0041	1000.00	0200.00	0.13	11.02	10.00	04.00	297705.930	194152.690	
	PT	1+852.48								296839.870	194652.630	N 60°00'15" E
	FI	1+052.40								290039.070	194002.000	N 60 00 15 E
	PT	1+852.48								296839.870	194652.630	N 60°00'15" E
	PC	1+908.78								296868.010	194701.390	N 60°42'21" E
~	PC	1+908.78	004010011	700.00					20.44	296868.010	194701.390	N 60°42'21" E
C-11	PI	1+913.07	0°42'06"	700.00	2296.00	4.29	14.07	8.57	28.11	296870.160	194705.100	
	CC									296261.770	195051.350	
	PT	1+917.36								296872.260	194708.840	N 60°42'21" E
	PT	1+917.36								296872.260	194708.840	N 60°42'21" E
	PC	2+105.89								296964.500	194873.260	N 66"58'04" E
	PC	2+105.89								296964.500	194873.260	N 66°58'04" E
C-12	PI	2+114.09	6°15'43"	150.00	492.00	8.21	26.93	16.39	53.76	296968.520	194880.420	
	CC	2								296833.680	194946.660	
	PT	2+122.28								296971.730	194887.970	N 66"58'04" E
	PT	2+122.28								296971.730	194887.970	N 66°58'04" E
	PC	2+140.06								296978.680	194904.340	S 83"56'19" E
	PC	2+140.06								296978.680	194904.340	S 83°56'19" E
C-13	PI	2+153.04	29°05'37"	50.00	164.00	12.97	42.54	25.39	83.28	296983.760	194916.280	000 00 10 E
0-13	CC	2+153.04	29 03 31	30.00	104.00	12.57	42.34	23.35	03.20	296932.670	194923.900	
	PT	2+165.45								296982.390	194929.180	S 83"56'19" E
	PT	2+165.45								296982.390	194929.180	S 83°56'19" E
	PC	2+205.85								296978.120	194969.350	S 80°46'44" E
	PC	2+205.85								296978.120	194969.350	S 80°46'44" E
C-14	PI	2+233.43	3°09'35"	1000.00	3280.00	27.58	90.46	55.15	180.89	296975.210	194996.780	0 00 70 74 L
U 14	CC	21200.40	0 00 00	1000.00	0200.00	21.00	30.40	00.10	100.03	295983.720	194863.760	
	PT	2+261.00								296970.790	195024.000	S 80°46'44" E
	l	2-201.00									. 3002 1.000	000 10 14 E
	PT	2+261.00								296970.790	195024.000	S 80°46'44" E
	POE	2+285.96								296966.790	195048.640	N 76°38'54" E



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•	<b>\\S</b> [		CITY OF BEACON			
OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.30  REHABILITATION OF TELLER & FISHKILL AVENUES			
<sub>PE</sub> DB	<sub>DE</sub> SM	PM DW	ALIGNMENT TABLES	SCALE: AS SHOWN	SHEET 15 OF <b>64</b>	

	TABLE O	F 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	

-TO POLE 10.13±m (33.2±FT)

TJES NOT TO SCALE

₽STA. 1+698.242

**B**-17 SPK

N: 296746.564m

E: 194546.337m

TO POLE 6.51±m (21.3±FT)

TO POLE NYT 106 CHG&E 24809 11.49±m (37.7±F

BSTA. 1+353.595

**B**-19 PKS

N: 296430.565m

E: 194413.053m

TIES NOT 170/SCALE

BSTA. 1+513.083

₽-18 X-CUT

N: 296570.076m

E: 194490.339m



wsp	CITY OF BEACON			
OCTOBER 2023	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES BLT-(			
PE DB DE SM PM DW	BASELINE TIES	SCALE: AS SHOWN	SHEET 16 OF <b>64</b>	

TO LIGHT POLE 11,12±m (36.5±FT)-

TIES NOT TO SCALE

BSTA. 1+946.497

₽-15 X-CUT

N: 296886.137m

E: 194745.728m

TO SIDEWALK CORNER

TO HYDRANT -14.65±m (48.1±FT)

> TO POLE 21.57±m (70.8±FT)

/TO POLE NYT 6 CHG&E 134320 - 32.26±m (105.8±FT)

TO POLE NYT 5 -CHG&E 83421 14.24±m (46.7±FT)

THES NOT TO SCALE

BSTA. 1+807.446

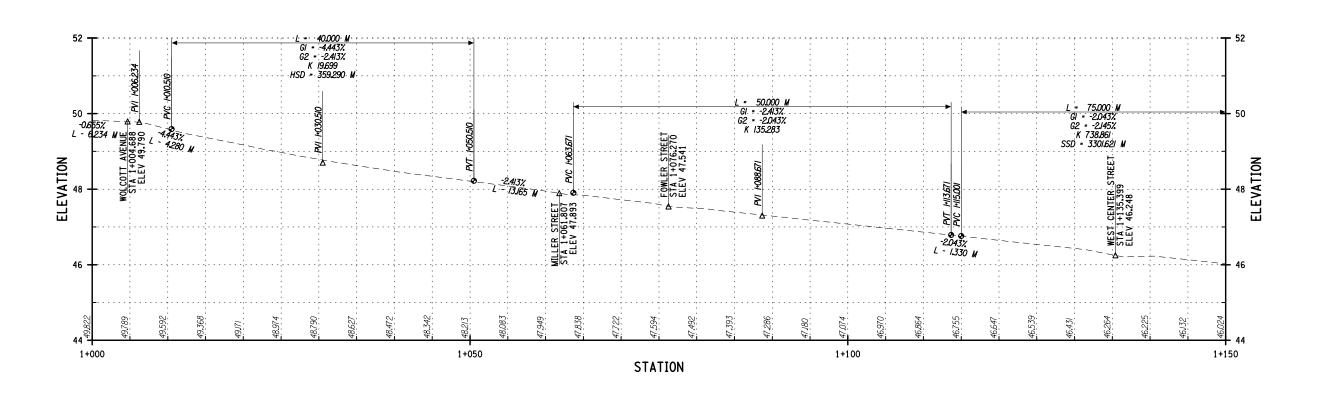
B-16 X-CUT

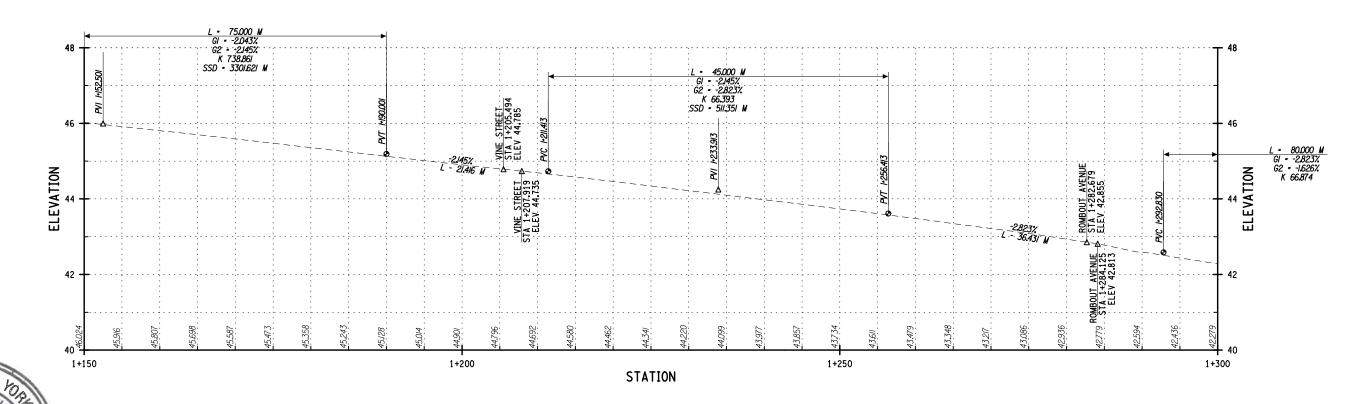
N: 296827.509m

E: 194619.641m

E NAME = DGN&SPECØ123456789Ø123456789Ø123456789Ø1234 E/TIME = DGN&SYTIME0123456 USER = DGN&USFRNAME

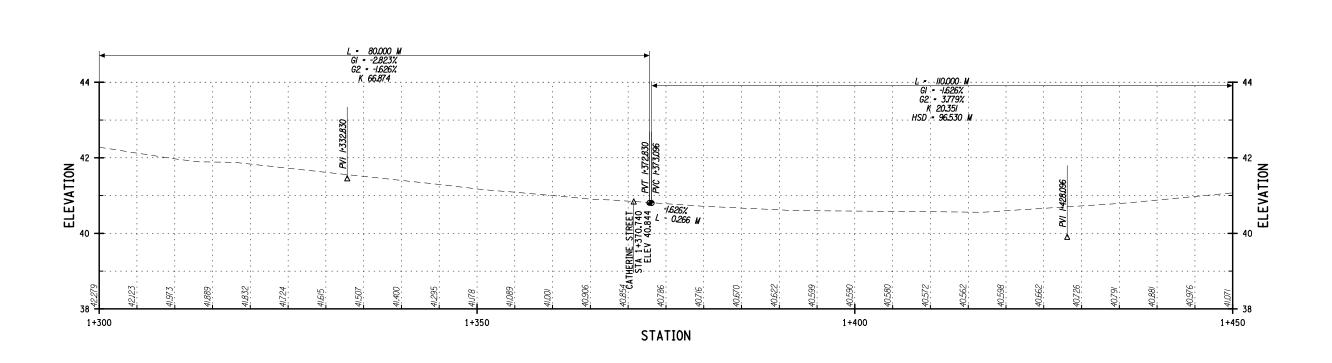
= DGN&SPECØ1234567890123456789012345678901234 = DGN&SYTIME@123456 = DGN&USERNAME

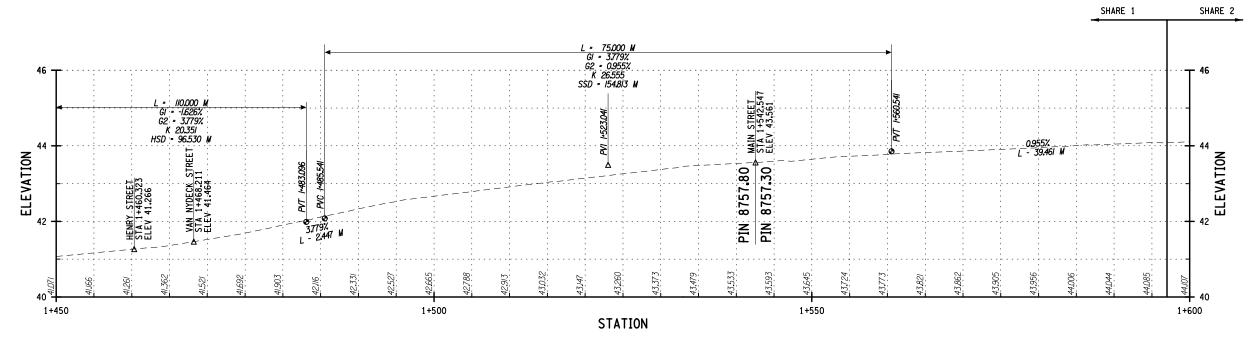




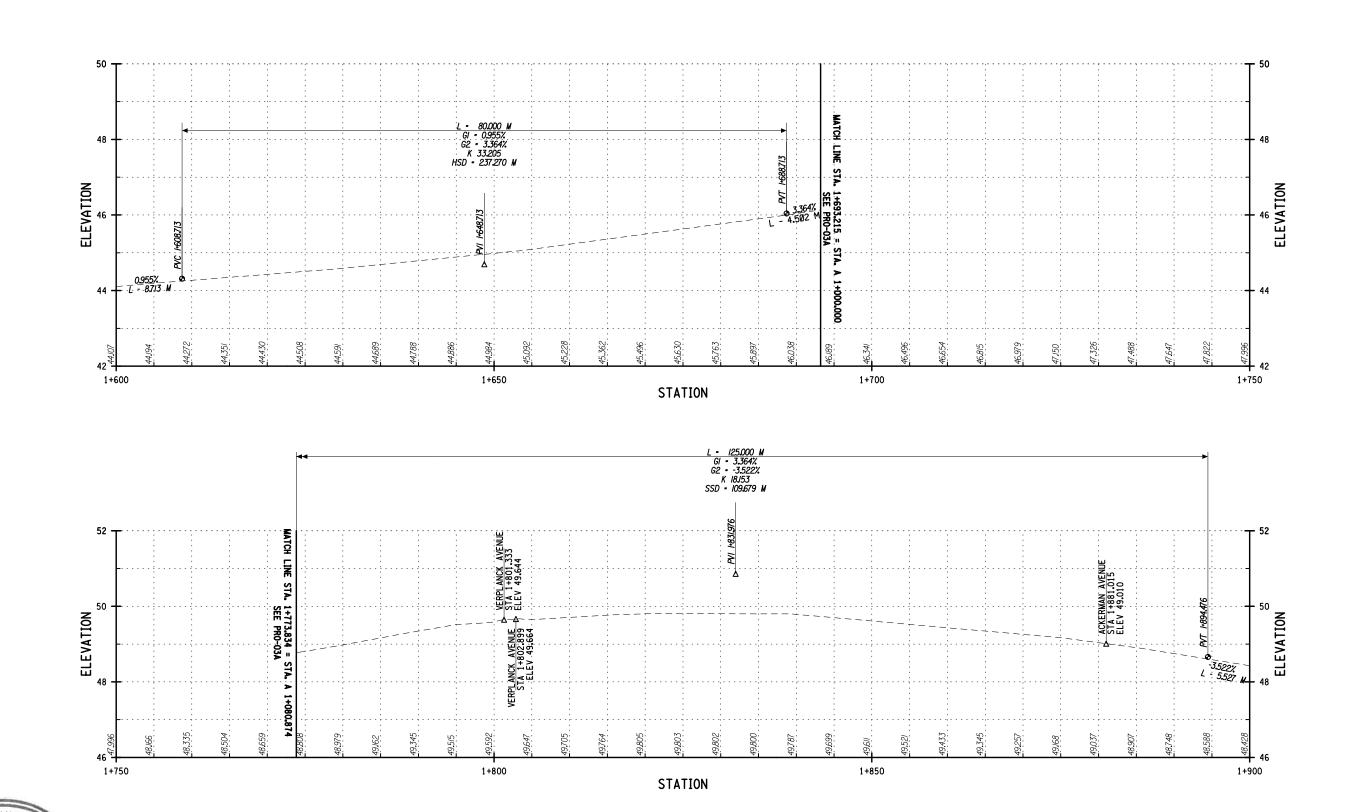
NOTE (FOR PRO-1 TO PRO-11):
MILL AND REPLACE EXISTING PAVEMENT SURFACE AS SHOWN IN THE GENERAL PLANS EXCEPT WHERE FULL DEPTH RECONSTRUCTION IS REQUIRED. EXISTING ELEVATIONS, GRADES, AND CURVE DATA ARE PROVIDED FOR REFERENCE ONLY.

wsp			)	CITY OF BEACON			
D	OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI	NO: PRO-	-01	
P	<sub>E</sub> DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN	SHEET 25 OF	64

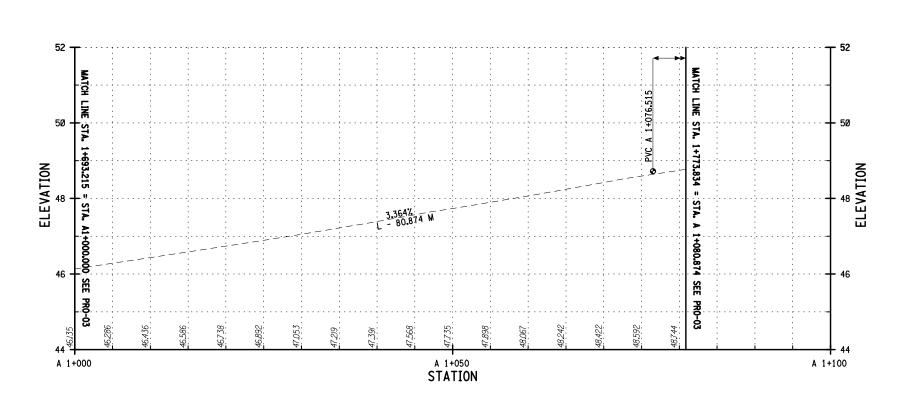




•	<u> </u>		CITY OF BEACON			
OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI	NO: PR0-02		
<sub>PE</sub> DB	<sub>DE</sub> SM	PM DW	PROFILES	SHEET 26 OF <b>64</b>		

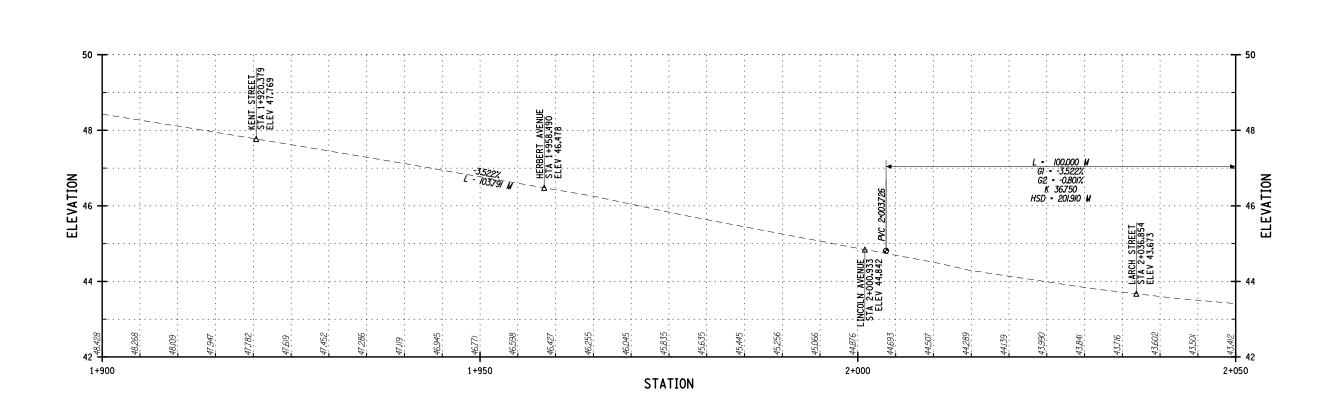


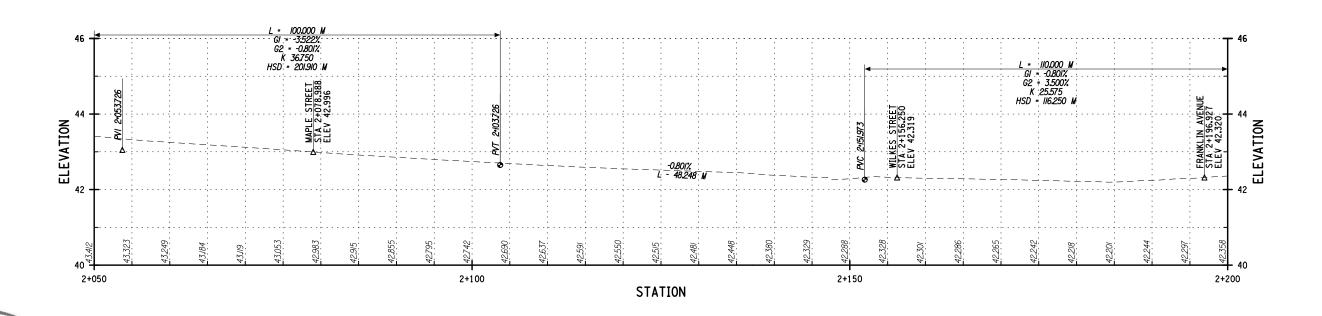
•	115		CITY OF BEACON				
OCTOBER 2023			PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI	NO: PRO-03			
PE DB	DE SM	<sub>PM</sub> DW	PROFILES	SCALE: AS SHOWN	SHEET 27 OF <b>64</b>		



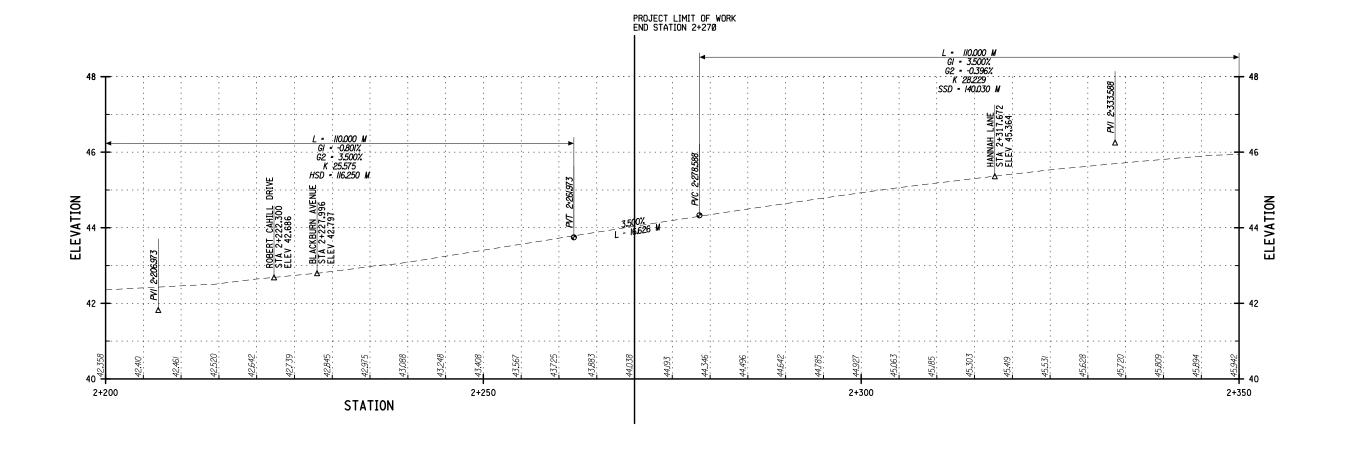


		_				
WSD			CITY OF BEACON			
DATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI	NO: PRO-03A		
<sub>PE</sub> DB	<sub>DE</sub> SM	PM DW	PROFILES	SCALE: AS SHOWN	SHEET 28 OF <b>64</b>	





	115[		CITY OF BE	ACON	
DATE:	OCTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI	NO: PR0-04	
PE DB	DE SM	PM DW	PROFILES	SHEET 29 OF <b>64</b>	



•	ACON				
DATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI		NO: PRO-05
PE DB	<sub>DE</sub> SM	PM DW	PROFILES	SHEET 30 OF <b>64</b>	

ADJACENT WATERS IN SUCH A MANNER THAT WILL CAUSE A VISIBLE CONTRAST IN RECIEVING WATER.

RECIEVING WATER.
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.
CONCRETE TRUCK WASHOUT: THE CONTRACTOR SHALL PREPARE A PLAN FOR CONTROLLING WASHOUT OF CONCRETE TRUCKS PROIR TO PERFORMING CONCRETE POURING OPERATIONS. PAID UNDER RESPECTIVE CONCRETE ITEM. CONTRACTOR SHALL REPAIR EXISTING DRAINAGE STRUCTURES AS REQUIRED PRIOR TO SETTING NEW FRAMES AND GRATE/COVERS, PAID UNDER ITEM 604.070107. 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.

PLANNED FOR REMOVAL SHALL BE CLEANED AT THE CONCLUSION OF THE PROJECT A.O.B.E., ITEM 621.03.
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 UTILTY 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

ADJUSTMENT IN CB TIPE ON VERICON RELOCATION MAT BE REQUIRED. VERICON WILL
REQUIRE 12 WEEKS TO RELOCATE.

• DR-63/64 - CONTRACTOR SHALL DETERMINE WHETHER EXISTING DUCT BANK LOCATION
WILL ALLOW FOR PROPOSED CB INSTALLATION. VERICON RELOCATION OR AN ADJUSTMENT IN
CB LOCATION OR TYPE MAY BE REQUIRED BASED ON FIELD CONDITIONS. VERICON 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

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.

SCALE

**OCTOBER 2023** 

SM

DW

DB



CITY OF BEACON

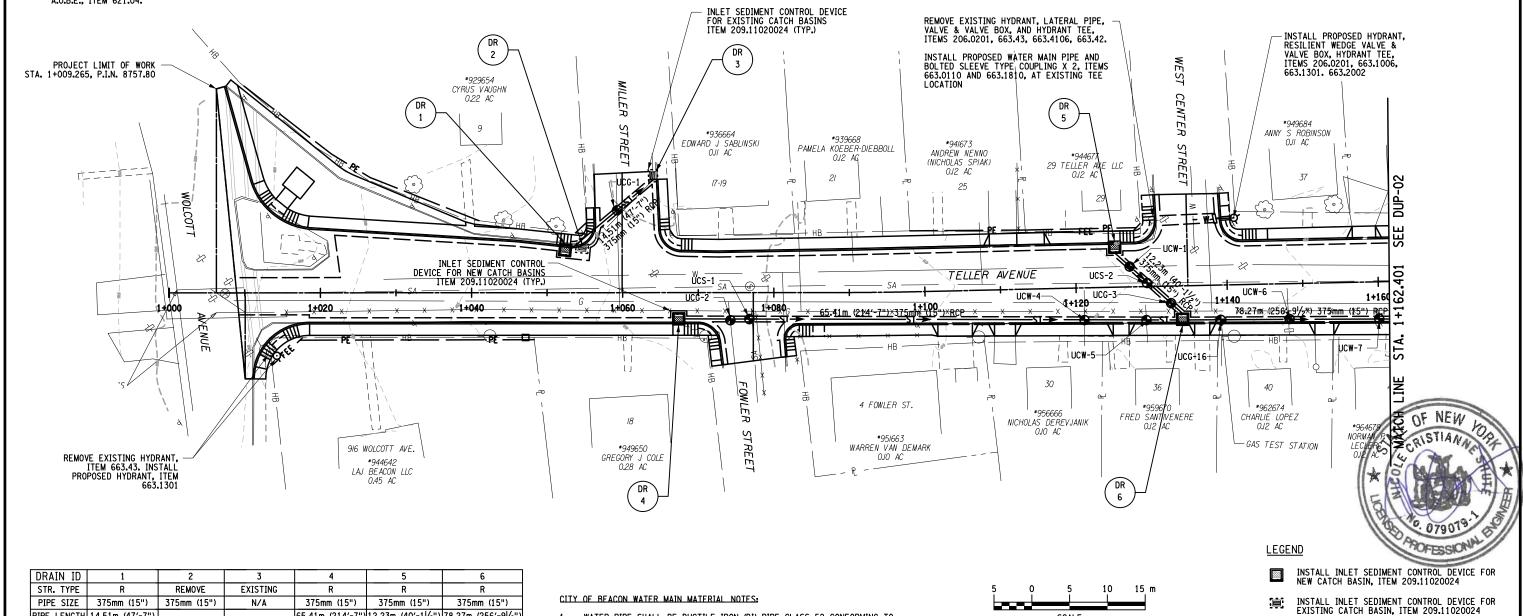
DUP-01

AS SHOWN SHEET 31 OF 64

PIN 8757.80 & PIN 8757.30

REHABILITATION OF TELLER & FISHKILL AVENUES

DRAINAGE AND UTILITY PLANS



WATER PIPE SHALL BE DUCTILE IRON (DI) PIPE CLASS 52 CONFORMING TO AWWA C151 AND CEMENT-LINED AS PER AWWA C104.

FITTINGS SHALL BE DUCTILE IRON COMPACT FITTINGS CONFORMING TO AWWA C153 AND CEMENT-LINED AS PER AWWA C104 WITH MECHANICAL JOINTS, MEGA

HYMAX COUPLINGS SHALL BE USED WHEN CONNECTING PROPOSED SECTIONS OF PIPE TO EXISTING.  $\ensuremath{\mathsf{T}}$ 

PROPOSED HYDRANTS SHALL BE MUELLER SUPER CENTURION, 250 SERIES, 5 1/4 MAIN VALVE WITH A 5 FT BURY.

PIPE LENGTH 14.51m (47'-7"

S

W

E.S.

NA E

46.70 (153.22')

|65.41m (214'-7")|12.23m (40'-1½")|78.27m (256'-9½"

45.28 (148.56')

45.80 (147.90')

45.80 (147.90')

45.80 (147.90')

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')

46.57 (152.80)

N/A

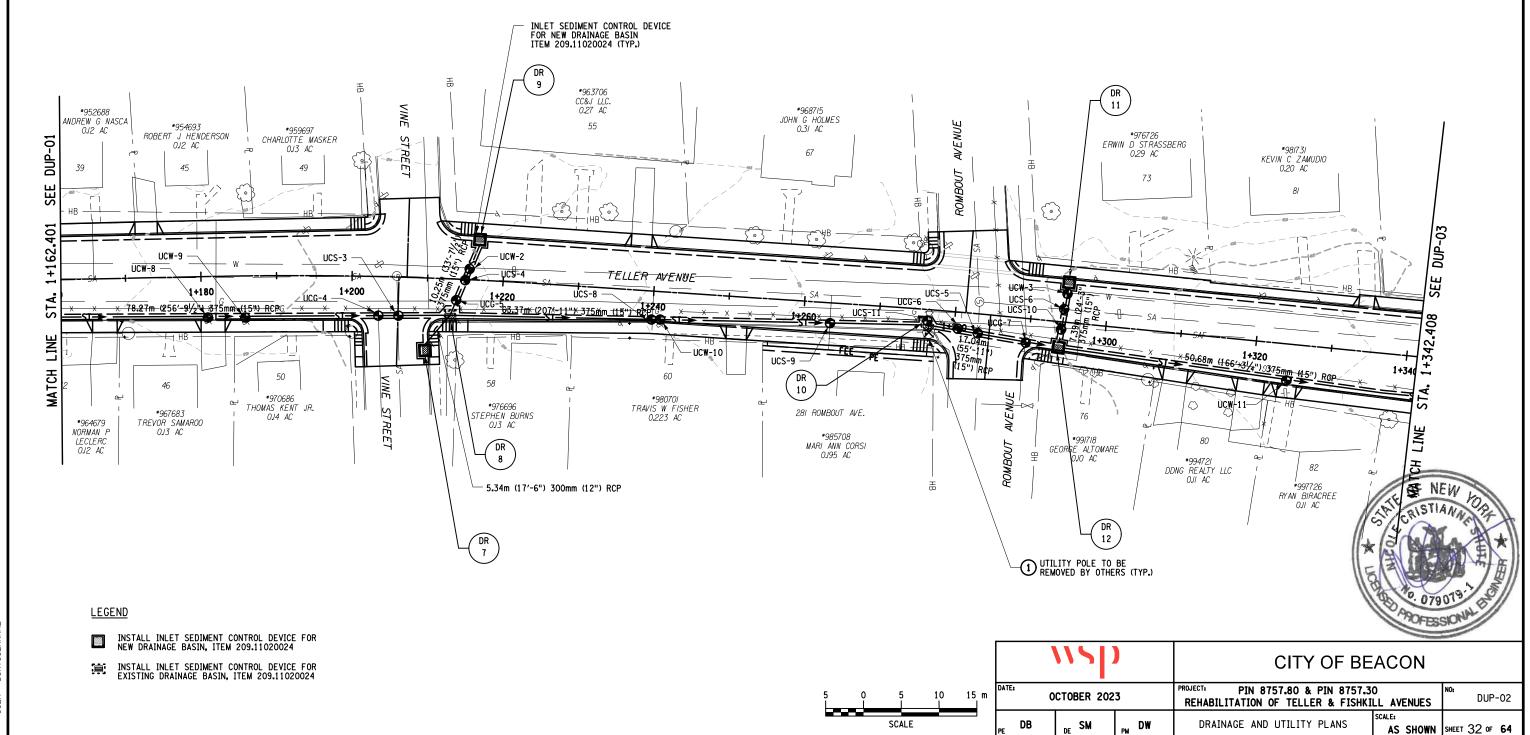
46.00 (150.92'

DR	AIN ID	7	8	9	10	11	12
STF	STR. TYPE R		R	R	60	R	R
PIP	E 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′-7½")	17.04m (55'-11")	7.39m (24'-3")	50.68m (166'-3 <sup>1</sup> / <sub>4</sub> ")
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')
T	N	43.63 (143.15')	43.28 (142.00')				41.14 (134.96')
INVERT EV"S.	S		43.43 (142.50′)	43.33 (142.33')		41.28 (135.44')	
	E		43.28 (142.00')		41.76 (137.00′)		41.14 (134.96')
PIPE	W		43.43 (142.50′)		41.76 (137.00')		41.28 (135.44')
<u> </u>	E.S.						

# NOTES:

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





FILE NAME = DGN\$SPECØ123456789Ø123456789Ø1234567896 DATE/TIME = DGN\$SYTIMEØ123456 USER = DGN\$USERNAME
NAME /TIME USER

NOTES:

DRAIN ID

STR. TYPE

PIPE SIZE

T.G. ELEV.

13

60

41.25 (135.33')

300mm (12")

1.21m (4'-0")

40.80 (133.86')

375mm (15")

PIPE LENGTH 19.39m (63'-73/8")

ALTER

300mm (12")

40.71 (133.56')

ALTER

300mm (12")

40.69 (133.50')

ALTER

900mm (36")

40.71 (133.56')

ALTER

300mm (12")

40.71 (133.56')

ALTER

600mm (24")

40.46 (132.74')

375mm (15")

2.67m (8'-9")

40.50 (132.87')

ALTER

600mm

40.44 (132.68')

375mm (15")

2.67m (8'-9")

40.50 (132.87')

375mm (15")

34.27m (112'-5")

41.00 (134.51')

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

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

**LEGEND** 

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

	•	wsp		CITY OF BEACON			
5 0 5 10 15 m	DATE: O	CTOBER 2023	3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVEN	ES DUP-03		
SCALE	<sub>PE</sub> DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS  SCALE:  AS SH	OWN SHEET 33 OF 64		

ALTER

600mm (24")

41.33 (135.60')

DR 30

DR 31

\*994740 CITY OF BEACON

0.76 AC

20 HENRY ST.

UCT-2

DR 32

29

1+500

\*026773 CITY OF BEACON Q.66 AC

423-425 MAIN ST. UTILITY POLE TO BE REMOVED 3

UTILITY POLE TO BE REMOVED BY OTHERS (TYP.)

TATE OF NEW

INLET SEDIMENT CONTROL DEVICE FOR PROPOSED CATCH BASIN

ITEM 209.11020024 (TYP.)

300mm (12")

56.00m (183.68')

41.20 (135.17')

ALTER

300mm (12")

41.37 (135.73')

40.21 (131.92')

ALTER

600mm (24")

41.51 (136.19')

40.05 (131.40')

39.94 (131.04')

39.93 (131.00')

ALTER

300mm (12")

8.37m (27.45)

41.54 (136.29')

40.02 (131.30') 40.03 (131.33′)

40.12 (131.63')

39.85 (130.74')

40.02 (131.30')

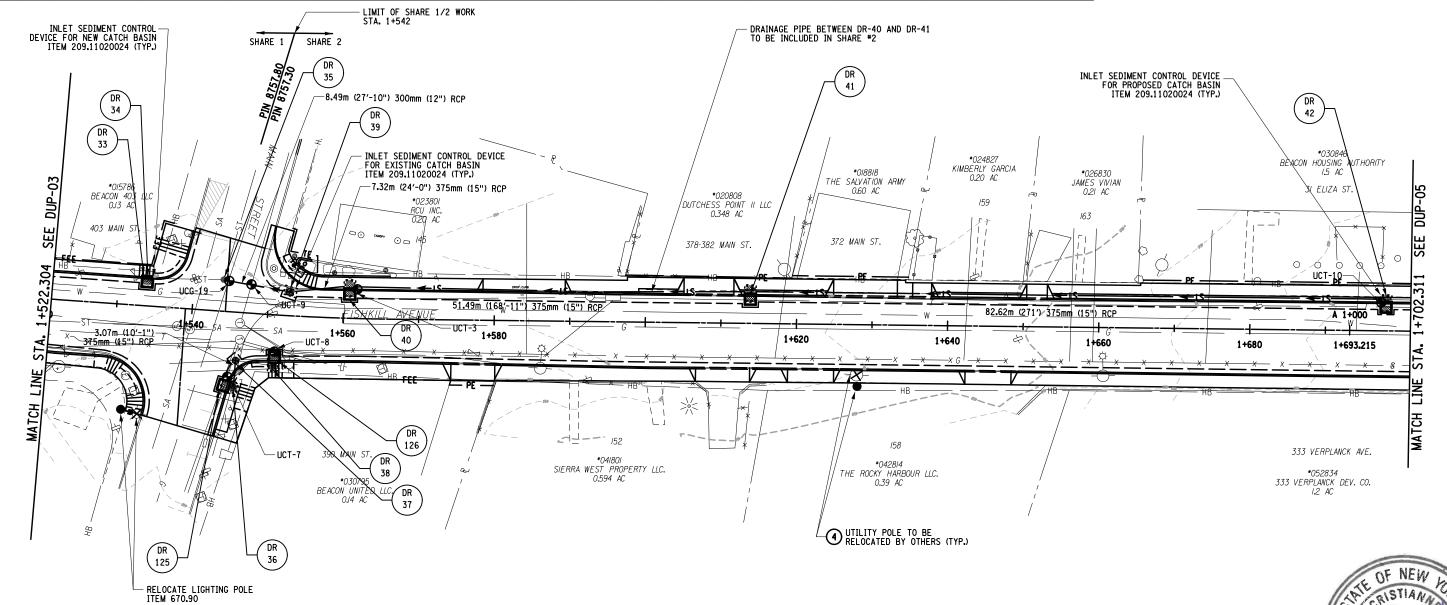
MATCH LINE

DUP-04

SEE DWG. NO. DUP-01 FOR NOTES.

DRA	AIN ID	33	34	35	36	37	38	39	40	41	42	125	126
STF	. TYPE	REMOVE	R	ALTER	REMOVE	ALTER	REMOVE	ALTER	OFFSET	OFFSET	0FFSET	OFFSET	OFFSET
PIP	E 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′)
<b>—</b>	N	42.24 (138.58')	42.24 (138.58')	N/A	N/A	N/A	N/A	42.25 (138.62')	42.35 (138.94')	42.75 (140.26')		42.76 (140.27')	
S-E	S			42.06 (137.99')	N/A	N/A	N/A	42.25 (138.62')	42.35 (138.94')	42.75 (140.26')	42.75 (140.26')		EXISTING
INVE EV'S.	Ε				N/A	N/A	N/A						
[٣리	W			42.06 (137.99')	N/A	N/A	N/A						
<u> </u>	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

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•		SC	ALE				PE

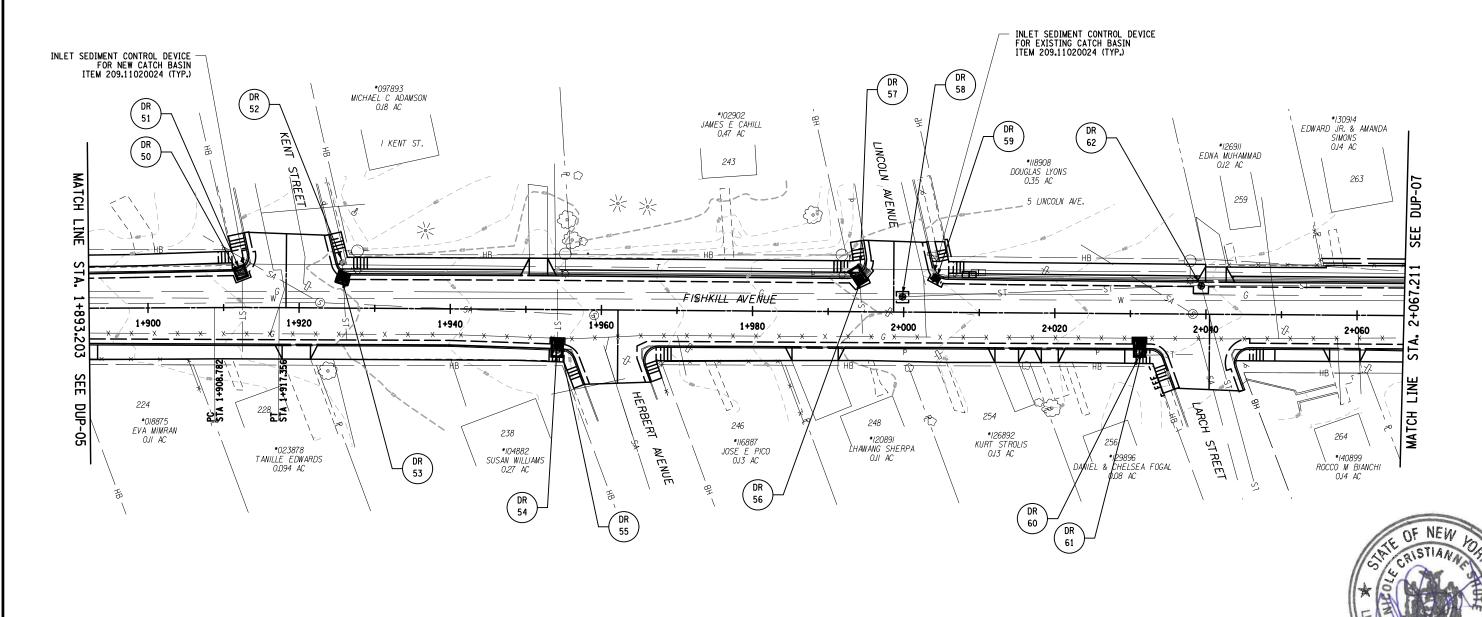
	WSP		CITY OF BE	ACON	
DATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKI		NO: DUP-04
PE DB DE SM PM DW			DRAINAGE AND UTILITY PLANS	SCALE: AS SHOWN	SHEET 34 OF <b>64</b>

AS SHOWN SHEET 35 OF 64

FILE | DATE/

DR	AIN ID	50	51	52	53	54	55	56	57	58	59	60	61	62
ST	R. TYPE	REMOVE	R	REMOVE	R	REMOVE	F	F	REMOVE	ALTER	ALTER	REMOVE	Н	ALTER
PIF	E 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.C	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')
<b>—</b>	N					45.78 (150.20')	45.80 (150.26')							
INVERT EV"S.	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')
툈피	W										N/A			42.42 (139.17')
<u>-</u>	E.S.													





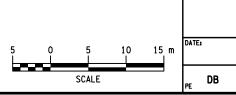
NOTES:

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

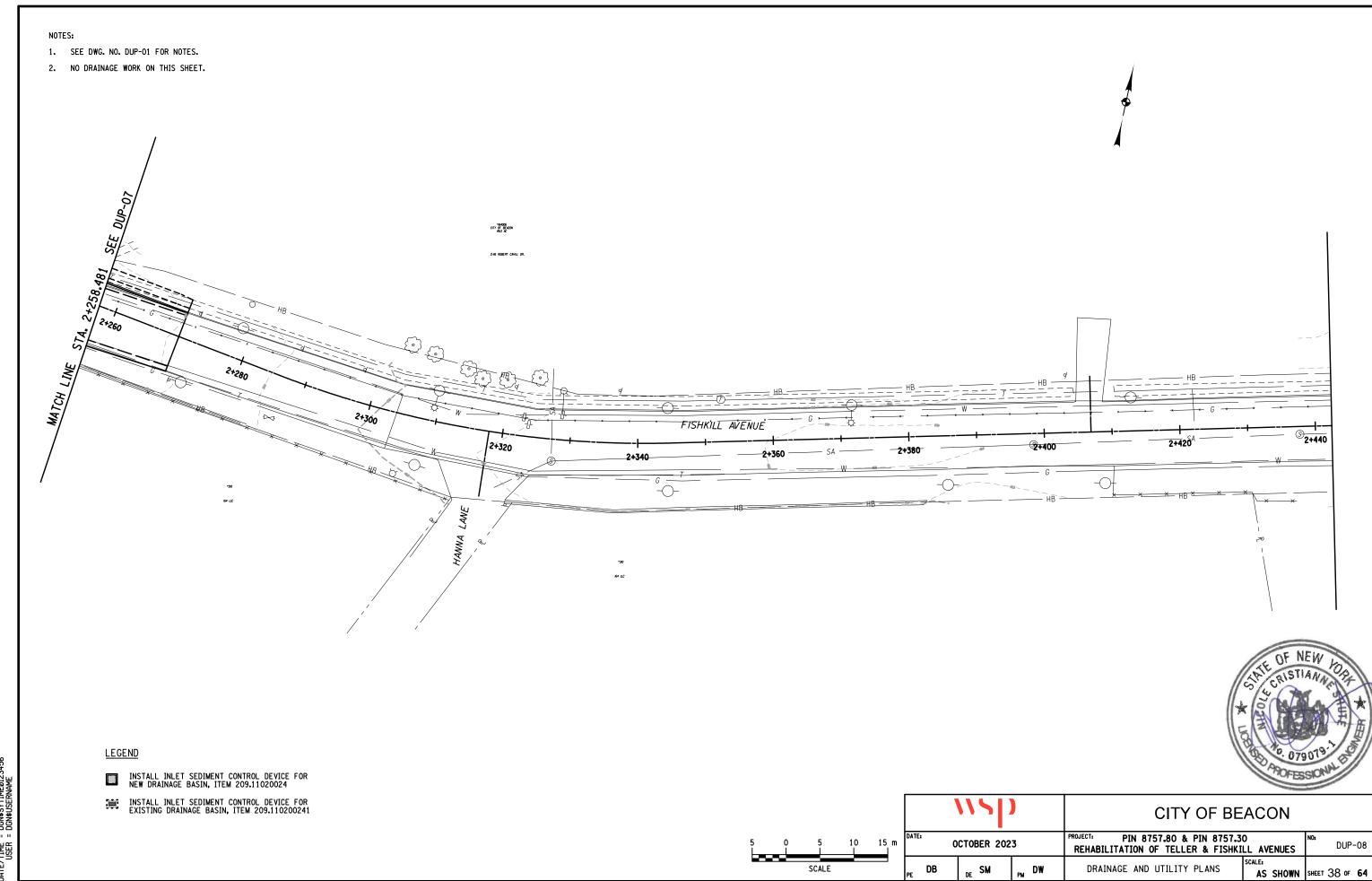
INSTALL INLET SEDIMENT CONTROL DEVICE FOR NEW CATCH BASIN, ITEM 209.11020024

**LEGEND** 

is: INSTALL INLET SEDIMENT CONTROL DEVICE FOR EXISTING CATCH BASIN, ITEM 209.11020024



DATE:			CITY OF BE	Luo	
	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKI	-	DUP-06
PE DB	<sub>DE</sub> SM	PM DW	DRAINAGE AND UTILITY PLANS	SCALE: AS SHOWN	SHEET 36 OF <b>64</b>



FILE NAME :: DATE/TIME :: USER ::

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TILE NAME	DATE/TIME	

LOCATION						STRU	CTURES											FRAME /	AND GR/	ATE	P	PIPES								REMARKS
					쀭		# _	-	_						-							5	E	00	E		AGE [M]	IAGE (FT)	R.	
	UNE				<u> </u>	ļ ņ	[F] (A)	(M) 60	(H) 6	Σ <u>Ε</u>	Ξ	(FT)	Ξ ξ	(M)	<u> </u>	Σ	Ê	<u>a</u>	<u>3</u>	<u>3</u>	<u>3</u>	3.60	001	3.60	0005 (	2 3 E		3 (F	TRUCT (EA)	
0 G 6	N Z	Ξ	Ē		STR		S S S	1220	220	1873	1691	1691	1891	3001	1001	960 (	) 090	05 (	908	005 (	22 (	N 60	3.60	M 60		002 (	603.77 (EA) CLEAN CLOSED DRAII	CLOSED DRAIN	GE STR .04 (E	
arel	ATIO A	SET	SET	SIDE	M A	I I	AAGE .07X	3021	3021	1301	300	.300	98	2018	2018	14.40	4.40	5.12	5.08	5.09	5.10	ĒΞ	9	ĒΞ	M 603	1000	77.	SED M 6	VAGE 21.0	
Stru Stru	ROX.	9-9-	诺		STR	RUC	RAIN 604	604.3	04.3	604	604	604	604	504	04.5	M 60	M 604	1655	M 65	165	M 65	Ď.	Ē	P. P.	HEM	SAWCUT 603.970(		9 #	DRAINAC FEM 621.	
	ДРР				W NS	15	EM I	TEM	M.	ITEM	JEM	ITEM	ITEM	EM 6	- E	Ē	TEM	HEM	É	EM	É	E	P.C.	E .	P.C.	SA 603	EAN	CLEAN C	S E	
	-				8		ALT.	=	=	_   _	.   -	-		=	=							300	12"	375	15		9 4	3.0	CLE	
DR-1 Proposed	1+052.8	5.48	18.0		DR-3	R				2.15 7.	1								1					14.57	47.8					INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-3 WITH 14.6m (47.8') OF 375mm (15") RCP
				H			-				_				-				-		_									
DR-2 Existing DR-3 Existing	1+055.0 1+064.5	5.56 15.23	18.2 50.0	L .	DR-3 UNK.	+	1				_													_					1	REMOVE EXISTING DRAINAGE STRUCTURE  RECONNECT 375mm (15") RCP FROM DR-1
DR-4 Proposed	1+067.8	3.93	12.9	R	DR-6	R	+ -			1.88 6.	2								1					65.41	214.5				1	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-6 WITH 65.4m (214.5') OF 375mm (15") RCP
DR-5 Proposed	1+125.6	5.23	17.2	L	DR-6	R				1.87 6.	1								1					12.23	40.1					INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-6 WITH 12.2m (40.1') OF 375mm (15") RCP
DR-6 Proposed	1+134.5	4.78	15.7	R	DR-8	R				1.87 6.	1								1					78.27	256.7					INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-8 WITH 78.3m (256.7') OF 375mm (15") RCP
DR-7 Proposed	1+210.4	9.68	31.8	R	DR-8	R				1.72 5.	6								1			5.34	17.52							INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-8 WITH 5.3m (17.5') OF 300mm (12") RCP
DR-8 Proposed	1+213.7	4.68	15.4	R	DR-10	R				3.00 9.	8		I		1				1					63.37	207.9					INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-10 WITH 63.4m (207.9") OF 375mm (15") RCP
DR-9 Proposed	1+217.2	5.33	17.5	L	DR-8	R				1.77 5.	8								1					10.25	33.6					INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-8 WITH 10.3m (33.6') OF 375mm (15") RCP
통 DR-10 Proposed	1+277.2	3.40	11.2	R	DR-12	60										1.89	6.2	1						17.04	55.9					INSTALL NYSDOT STANDARD TYPE 60 STRUCTURE AND CONNECT TO DR-12 WITH 17.0m (55.9") OF 375mm (15") RCP
DR-11 Proposed	1+295.0	4.55	14.9	L	DR-12	R				1.87 6.	1								1					7.39	24.2					INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-12 WITH 7.4m (24.2') OF 375mm (15") RCP
DR-12 Proposed	1+294.6	4.51	14.8	D	DR-13					1.87 11									1		-				166.2					INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-13 WITH 50.7m (166.2') OF 375mm (15") RCP
DR-12 Proposed	17234.0	4.31	14.0	n l	DU-19	K	+			1.07	~				+	1			1		$\rightarrow$	-+		50.00	100.2					HOWER HISDOL STRUMBURD LITE INSTRUCTIONS WIND COMMEDT TO DISTS WITH 301/HI (100/5 ) OF 3/3HIHI (15 ) RCP
DR-13 Proposed	1+346.7	5.11	16.8	R	DR-17	60	$\perp$								$\perp$	2.22	7.3	1	L ∣					19.39	63.6					INSTALL NYSDOT STANDARD TYPE 60 STRUCTURE AND CONNECT TO DR-17 WITH 19.4m (63.6') OF 375mm (15") RCP
DR-14 Proposed	1+361.4	5.17	17.0	L	DR-15	R				1.55 5.	1								1			1.21	3.97							INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-15 WITH 1.2m (4') OF 300mm (12") RCP
DR-15 Existing	1+363.7	4.66	15.3	L	DR-18		1				$\perp$				1	1			$\sqcup$	$\vdash$	1						5.3	17.4	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
DR-16 Existing	1+366.9	9.21	30.2	L	DR-18	+	1				+	+			+	1			$\vdash$		1	-+		-+			4.1	13.4	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
DR-17 Existing DR-18 Existing	1+366.6 1+370.2	5.21 4.99	17.1 16.4	R	UNK. DR-17	+	1				_	-						1			1			_	-	_	10.5	34.4	1	REPLACE FRAME AND GRATE (NO CURBINLET), ADJUST ELEVATION AS REQUIRED  REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
DR-19 Existing	1+401.7	3.93	12.9	R	STREAM	_	1														1						10.3	34,4	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED  REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
DR-20 Proposed	1+406.0	4.11	13.5	L	DR-21	R	T -			2.95 9.	7								1					2.67	8.8					INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-21 WITH 2.7m (8.8') OF 375mm (15") RCP
DR-21 Existing	1+410.0	3.80	12.5	L	DR-19		1														1						10.1	33.1	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
DR-22 Proposed	1+413.8	4.11	13.5	L	DR-21	R				2.95 9.	7								1					2.67	8.8					INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-21 WITH 2.7m (8.8') OF 375mm (15") RCP
DR-23 Proposed	1+449.3	4.09	13.4	١, ١	DR-22	, p				2.15 7.	,								1					34.27	1124					INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-28 WITH 34.3m (112.4") OF 375mm (15") RCP
DR-25 Proposed	11445.5	4.03	13.4		DN-22	"				2.13	1								•					34,27	112.4					INSTALLATION OF STANDARD THE KSTROCTOREARD CONNECT TO DIEZO WITH 54-511 (1124 ) OF ST SHITH (15 ) RCF
DR-24 Proposed	1+458.5	3.90	12.8	R	DR-19	R				1.60 5.	2								1			56.00	183.68							INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-19 WITH 56 m (183.68") OF 300mm (12") RCP
DR-25 Existing	1+463.5	0.67	2.2	D	UNK.	+	1				_	-						1						-	-	_			1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
DR-26 Existing	1+463.8	7.60	24.9	R	DR-28		1						+			1		*	1 1								5.00	16.4	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
DR-27 Existing	1+469.0	1.39	4.6	R	DR-25		1											1									5.15		1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
DR-28 Existing	1+468.6	4.40	14.4	R	DR-24		1											1				8.37	27.45						1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED, CONNECT TO DR-24
DR-29 Existing	1+472.5	7.94	26.0	R	DR-28	_	1												1								4.03	13.2	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
DR-30 Existing DR-31 Proposed	1+475.0 1+474.7	3.47	11.4	L	DR-27 DR-27	U	+	1.80	5.9		+										1			-+		1	1 6.80	22.3		REMOVE EXISTING DRAINAGE STRUCTURE  INSTALL NYSDOT STANDARD TYPE U STRUCTURE AND CONNECT TO EXISTING 450mm (18") RCP
				<u> </u>		-		2.00	0.5	350 0	2								١.			12.05	42.40			-	1 0.00	12.0		
DR-32 Proposed	1+482.6	4.53	14.9	К	DR-28	R				2.50 8.	2								1			12.95	42.48							INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-28 WITH 12.95m (42.5') OF 300mm (12") RCP
DR-33 Existing DR-34 Proposed	1+534.3 1+534.4	4.51	14.8	L	DR-35	R				1.75 5.	_								1							1	9.80	32.1		REMOVE EXISTING DRAINAGE STRUCTURE
DR-34 Proposed DR-35 Existing	1+544.5	5.12	14.0	L	DR-35 UNK.	K	1			1./3 5.	<del>'</del>							1	1						+	1	1		1	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING 450mm (18") RCP REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
DR-36 Existing	1+546.7	8.94	29.3	R	UNK.										1															REMOVE EXISTING DRAINAGE STRUCTURE
DR-37 Existing	1+546.8	5.45	17.9	R	UNK.		1											1											1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
DR-38 Existing	1+551.8	5.86	19.2	R	UNK.																									REMOVE EXISTING DRAINAGE STRUCTURE
DR-39 Existing	1+553.4	4.00	13.1	L	DR-35		1											1				8.49	27.8							ALTER EXISTING CATCHBASIN TO ACCEPT MANHOLE CASTING (655.1202), ADJUST ELEVATION AS REQUIRED AND CONNECT TO DR-35 WITH 8.49m (27.8") OF 300mm (12") RCP
DR-40 Proposed	1+560.8	3.39	11.1	L	DR-35	OFFSE	ΞT							1.8	5.9			1	1					7.32	24.0					INSTALL OFFSET CATCH BASIN AND CONNECT TO DR-39 WITH 8.01m(26.3') OF 375mm (15") RCP
DR-125 Proposed	1+545.1	9.85	32.3	R	DR-37									1.6	5.4			1	1					3.07	10.1					INSTALL OFFSET CATCH BASIN AND CONNECT TO DR-37 WITH 3.07m (10.1") OF 375mm (15") RCP
DR-126 Proposed	1+551.3	5.80	19.0	R	DR-37	OFFSE					$\perp$			1.6	5.4	1		1	1							1	1 5.15	16.9		INSTALL OFFSET CATCH BASIN AND CONNECT TO EXISTING RCP
DR-41 Proposed DR-42 Proposed	1+614.5 1718.8	4.39 4.80	14.4 15.7	L	DR-40 DR-41	OFFSE					+			1.4 2.4				1	1	$\vdash$	+	-+		51.49 82.62		-				INSTALL OFFSET CATCH BASIN AND CONNECT TO DR-40 WITH 51.5m (168.9") OF 375mm (15") RCP INSTALL OFFSET CATCH BASIN AND CONNECT TO DR-41 WITH 103.2m (338.6") OF 375mm (15") RCP
DR-43 Existing	1+796.7	16.68	54.7	L	DR-41 DR-44	OFFSE	1							2.4	1.9			1	1		+	-+		02.02	2/1.0		23,50	77.1	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
DR-44 Existing	1+801.6	7.51	24.6	R	UNK.		1												1					-			25.50	1	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
DR-45 Existing	1+810.6	5.79	19.0	R	DR-44		1												1								8.20	26.9	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
DR-46 Proposed	1+875.3	4.35	14.3	R	DR-48	R				1.75 5.	7								1							1	1			INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING RCP
DR-47 Existing	1+875.7	4.57	15.0	R	DR-48	_	+ -	-			+	-								$\vdash$	+			+			4.90		<del> </del>	REMOVE EXISTING DRAINAGE STRUCTURE
DR-48 Existing DR-49 Existing	1+880.7 1+889.0	8.43 8.74	27.7	R R	DR-49 UNK.	+	1			<del>-  </del> -	+								1		+	+		+			7.88	25.8	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED  REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
DR-50 Existing	1+912.8	4.82	15.8	L	UNK.		+ *												-		_								<u> </u>	REMOVE EXISTING DRAINAGE STRUCTURE
DR-51 Proposed	1+913.1	4.41	14.5	L	UNK.	R				1.73 5.	7								1					pathetal		1	1			INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING 150mm (6") RCP
DR-52 Existing	1+926.3	6.03	19.8	L	UNK.																-T		OF	NE	N	-				REMOVE EXISTING DRAINAGE STRUCTURE
DR-53 Proposed	1+926.4	3.96	13.0	L	UNK.	R	+			1.35 4.	4					1			1	$\vdash$	-		V.	STIA	Q.	11.0	1			INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING RCP
DR-54 Existing DR-55 Proposed	1+954.9 1+954.8	5.43 4.61	17.8 15.1	R	UNK.	-	+				1.4	4.7				1			$\vdash$	1	-#	S	CRI	V 11/11/	N JO	£ X	1			REMOVE EXISTING DRAINAGE STRUCTURE  INSTALL NYSDOT STANDARD TYPE F STRUCTURE AND CONNECT TO EXISTING 300mm (12") RCP
DR-3.3 Proposed	11734.5	4.01	1 13.1	l u	UNK.	<u> </u>		1			1.4	4./			1	1	I	l		1 +	//	1	16	730	_ 0	1	<u> </u>		1	THE PROPERTY OF STREET AND CONTROL TO EXISTING SOUTHING (12.) RUP
																						k (3	1		3	XXI		- 11	<b>\</b> I	
ĺ																					11	_ / 3	W I	M	1	TA		•	"	CITY OF BEACON
																					115	Q/	1110	1			DATE:			PROJECT: PIN 8757 80 & PIN 8757 30 No.
																					11	100	(No	0 500	19.	<b>\$</b>	JAIL!	ОСТО	BER 20	PROJECT: PIN 8757.80 & PIN 8757.30  REHABILITATION OF TELLER & FISHKILL AVENUES
																					1	115	2	0/90	1	5//	$\vdash$			REHADILITATION OF TELLER & FISHRILL AVENUES

PM DW

DRAINAGE TABLES

DE SM

DT-01

AS SHOWN SHEET 39 OF 64

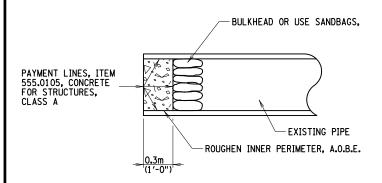
	OCATION							STRUCTURES												FR	AME AN	D GRATE		PIP										REMARKS
Share ID	Structure ID	Condition	APPROX. CENTERLINE STATION	OFFSET (M)	OFFSET (FT)	SIDE	DOWNSTREAM STRUCTURE	STRUCTURE TYPE ALTER DRAINAGE STRUCTURE ITEM 604.07XXXX (E4)	ITEM 604.30212209 (M)	ITEM 604.30212209 (FT)	ITEM 604.301873 (M)	ITEM 604.301873 (FT)	ITEM 604.300691 (M)	ITEM 604.300691 (FT)	ITEM 604.300891 (M)	ITEM 604.300891 (FT)	TEM 604.50180010 {M}	ITEM 604.50180010 (FT)	ITEM 604.4060 (M)	1060	ITEM 655.1202 (EA)	ITEM 655.0806 (EA)	ITEM 655.1003 (EA)	300mm RCP ITEM 603.6001	(M)	RCP ITEM		15" RCP ITEM 603,6002 (FT)	SAWCUT PIPE ITEM 603.97000002 (EA) CONCRETE COLLAR ITEM	603.77 (EA)	CLEAN CLOSED DRAINAGE SYSTEM ITEM 621.03 (M)	CLEAN CLOSED DRAINAGE SYSTEM ITEM 621.03 (FT)	CLEAN DRAINAGE STRUCTURE ITEM 621.04 (EA)	
	DR-56	Proposed	1+994.8	4.35	14.3	L	UNK.	F					1.5	4.9									1						1	1				INSTALL NYSDOT STANDARD TYPEF STRUCTURE AND CONNECT TO EXISTING 150mm (6") RCP
	DR-57	Existing	1+994.7	6.01	19.7	L	UNK.																											REMOVE EXISTING DRAINAGE STRUCTURE
	DR-58	Existing	2+000.4	2.02	6.6	L	DR-62	1													1									- :	39.17	128.5	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-59	Existing	2+004.9	4.46	14.5	L	UNK.	1															1										1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-60	Existing	2+031.9	5.48	18.0	R	UNK.																											REMOVE EXISTING DRAINAGE STRUCTURE
	DR-61	Proposed	2+031.9	4.04	13.3	R	UNK.	Н							1.9	6.2							1						1	1				INSTALL NYSDOT STANDARD TYPE H STRUCTURE AND CONNECT TO EXISTING RCP
	DR-62	Existing	2+040.0	3.74	12.3	L	UNK.	1													1									- :	31.82	104.4	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-63	Proposed	2+071.3	3.70	12.1	L	DR-65	F					2.3	7.4									1						2	2	6.8	22.3		INSTALL NYSDOT STANDARD TYPE F STRUCTURE AND CONNECT TO EXISTING 450mm (15") CMP
	DR-64	Existing	2+073.1	5.74	18.8	L	DR-63																											REMOVE EXISTING DRAINAGE STRUCTURE
	DR-65	Existing	2+078.9	4.04	13.3	L	DR-70	1													1									-   -	73.42	240.8	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-66	Deleted																																
	DR-67	Proposed		4.78	15.7	L		OFFSET									1.7	5.5			_	1				4	1.01	13.2						INSTALL OFFSET CATCH BASIN AND CONNECT TO DR-68 WITH 4.2m (13.9') OF 375mm (15") RCP
	DR-68	Proposed		5.51	18.1	L	DR-70	60											1.65	5.4	1								1	1				INSTALL NYSDOT STANDARD TYPE 60 STRUCTURE AND CONNECT TO EXISTING RCP
	DR-69	Existing	2+147.7	5.51	18.1	L	DR-70																							-	_	9.4		REMOVE EXISTING DRAINAGE STRUCTURE
-	DR-70	Existing	2+151.2	4.23	13.9	L	DR-71	1													1										6.35	20.8	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
l io	DR-71	Existing	2+154.9	9.89	32.4	L	UNK.	1														1											1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
2 (0	DR-72	Proposed	2+182.5	4.86	15.9	R	UNK.	Н							2.15	7.05							1						1	1				INSTALL NYSDOT STANDARD TYPE H STRUCTURE AND CONNECT TO EXISTING 450mm (18") RCP
are	DR-73	Existing	2+185.1	6.02	19.7	R	UNK.																											REMOVE EXISTING DRAINAGE STRUCTURE
Ş	DR-74	Proposed	2+184.6	4.32	14.2	R	DR-72	60											2.18	7.2	1			1.0	04 3	.4								INSTALL NYSDOT STANDARD TYPE 60 STRUCTURE AND CONNECT TO DR-72 WITH 2.00m (6.6') OF 300mm (12") RCP
	DR-75	Existing	2+184.9	3.47	11.4	L	DR-74																								7.87	25.8		REMOVE EXISTING DRAINAGE STRUCTURE
	DR-76	Existing	2+184.7	4.80	15.7	L	DR-75																								1.34	4.4		REMOVE EXISTING DRAINAGE STRUCTURE
	DR-77	Proposed	2+184.8	4.88	16.0	L	DR-75	R			1.65	5.4										1							2	2				INSTALL NYSDOT STANDARD TYPER STRUCTURE AND CONNECT TO EXISTING 300mm (12") RCP
	DR-78	Existing	2+229.3	9.57	31.4	R	UNK.																											REMOVE EXISTING DRAINAGE STRUCTURE
	DR-79	Proposed	2+229.1	9.55	31.3	R	UNK.	R			1.90	6.2										1							2	2				INSTALL NYSDOT STANDARD TYPER STRUCTURE AND CONNECT TO EXISTING 300mm (12") CMP
	DR-80	Proposed	2+228.8	5.25	17.2	L	DR-79	R			1.80	5.9										1		13	.47 44	4.2								INSTALL NYSDOT STANDARD TYPER STRUCTURE AND CONNECT TO DR-79 WITH 13.5m (44.2') OF 300mm (12") RCP
							Total	26	2	6	45	149	6	17	5	14	11	35		27	21	36	5 7	10	07 3	52 5	528 1	1729		_	281	920	25	
							Totals Share 1	12	2	6	34	115							5	14	6	18	6	8	4 2	76 3	379 1	1241	2	2	61	200	12	
							Totals Share 2	14			11	34	6	17	5	14	11	35	4	13	15	18	5 1	. 2	3 7	6 1	149	488	15 1	.5	220	720	13	
								2	_								_	_						1		F 2	700	F			ш <u>~</u>	ш С	J.E.	
								ALTER DRAINAGE STRUCTU	ITEM 6D4.30212209 (M)	ITEM 604.30212209 (FT)	ITEM 604.301873 (M)	ITEM 604.301873 (FT)	ITEM 604.300691 (M)	ITEM 604.300691 (FT)	ITEM 604.300891 (M)	ITEM 604.300891 (FT)	ITEM 604.50180010 (M)	ITEM 604.50180010 (FT)	ITEM 604.4060 (M)	604,4060	1202	ITEM 655.0806 (EA)	ITEM 655.0902 (EA) ITEM 655.1022 (EA)			.6001	(M)	0	SAWCUT PIPE ITEM 603.97000002 (EA) CONCRETE COLLAR ITEM	603.77 (EA)	CLEAN CLOSED DRAINAGE SYSTEM ITEM 621.03 (M)	CLEAN CLOSED DRAINAGE SYSTEM ITEM 621.03 (FT)	CLEAN DRAINAGE STRUCTU ITEM 621.04 (EA)	

DRAINAGE TABLE

1	115]		CITY OF BE	ACON	
OATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKI		NO: DT-02
PE DB	<sub>DE</sub> SM	PM DW	DRAINAGE TABLES	SCALE: AS SHOWN	SHEET 40 OF <b>64</b>

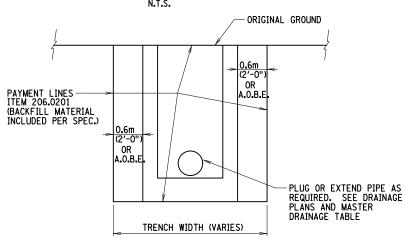
THE GENERAL SPECIFICATION FOR REINFORCED CONCRETE PIPE, CLASS IV, SHALL APPLY EXCEPT THAT REINFORCING SHALL BE AS SPECIFIED FOR REINFORCED CONCRETE PIPE, CLASS III. AS AN ALTERNATE FOR REINFORCING FOR REINFORCED CONCRETE PIPE CLASS III, BAR REINFORCMENT MAY BE SUPPLIED. THE BARS SHALL CONFORM TO THE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

## CONCRETE COLLAR - ITEM 603.77 N.T.S.

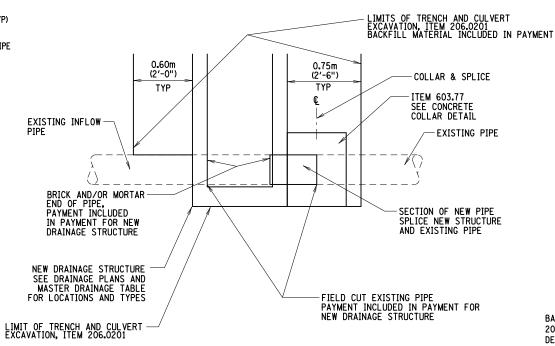


ALL WORK NECESSARY TO PLUG PIPE INCLUDED UNDER ITEM 555.0105

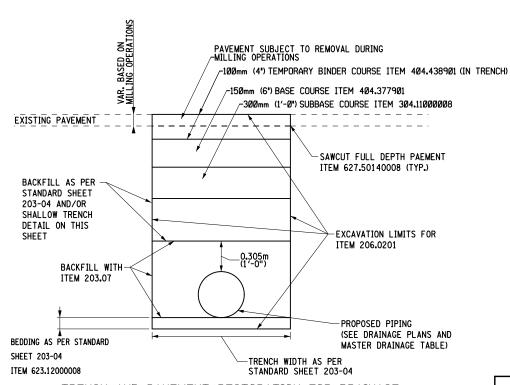
## PLUGGING PIPES



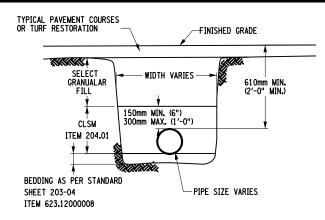
REMOVAL OF EXISTING DRAINAGE STRUCTURES



# PLACING A NEW DRAINAGE STRUCTURE OVER AN EXISTING PIPE

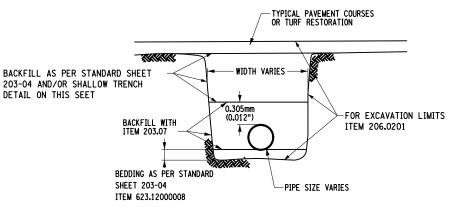


TRENCH AND PAVEMENT RESTORATION FOR DRAINAGE INSTALLATION PRIOR TO MILLING AND PAVING OPERATIONS N.T.S.



## SHALLOW TRENCH DETAIL

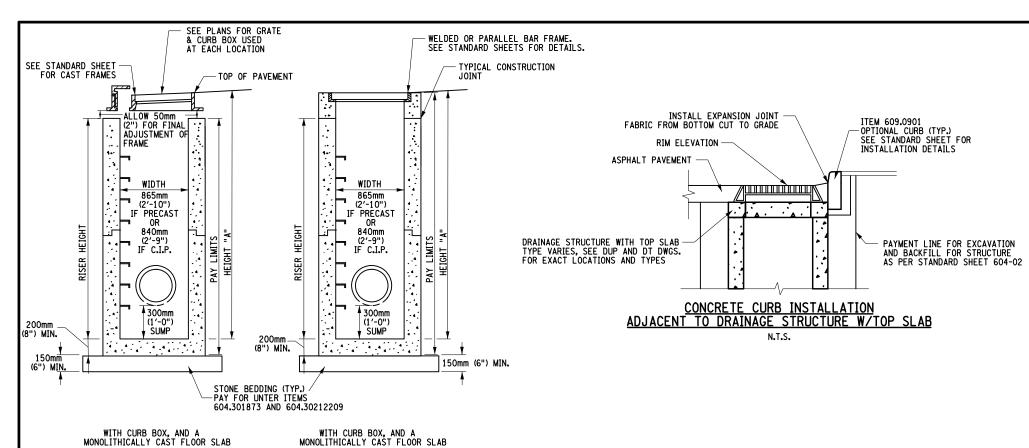
NOTE: WHERE BACKFILLING DUCTILE IRON PIPE, CLSM SHALL NOT CONTAIN FLY ASH



TYPICAL TRENCH RESTORATION FOR DRAINAGE PIPE INSTALL OFF PAVEMENT



	115		CITY OF BEACON	
DATE:	OCTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.30  REHABILITATION OF TELLER & FISHKILL AVENUES  DD-	01
<sub>PE</sub> DB	DE SM	PM DW	DRAINAGE DETAILS - 1 SCALE:  AS SHOWN SHEET 41 OF	64



NONOET INTO

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

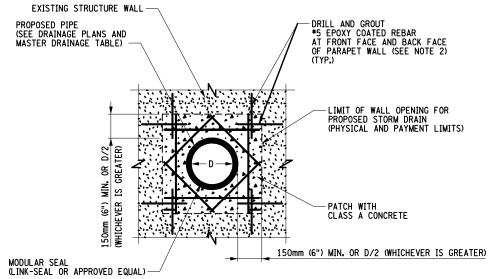
RECTANGULAR DRAINAGE STRUCTURE TYPE R AND U
TYPICAL DETAIL

N.T.S.

FRAME AND GRATE (SEE NOTE 6 AND 13 ON STANDARD SHEETS, 604-02 SHEET 1 OF 4) -CAST IRON MANHOLE FRAME AND COVER (SEE NOTE 6 ON STANDARD SHEETS, 604-02 SHEET 1 OF 4) TOP OF PAVEMENT TOP OF PAVEMENT MANHOLE STEPS (SEE NOTE 11 ON WALL THICKNESS "T" AND REINFORCEMENT VARIES STANDARD SHEETS, 604-02 SHEET 1 OF 4) (SEE TABLE AND NOTE 3 ON STANDARD SHEETS, 604-02 SHEET 1 OF 4) WIDTH - SEALING JOINTS IN PRECAST UNITS SHALL CONFORM TO THE REQUIREMENTS OF ALL PIPE ENDS SHALL BE-FLUSH WITH THE INSIDE OF THE WALL AND SEALED (SEE NOTE 7 ON STANDARD SHEETS, 604-02 SHEET 1 OF 4) SCOOP SEE DETAIL ON DRAINAGE STRUCTURES WITH FORMED INLETS OR SCOOPS, THE INVERT OF THE PIPE LEAVING THE DRAINAGE STRUCTURE SHALL BE FLUSH WITH THE FLOW LINE. RECTANGULAR DRAINAGE STRUCTURE TYPE A THROUGH P RECTANGULAR DRAINAGE STRUCTURE TYPE A THROUGH P SHOWN WITH MANHOLE FRAME AND COVER AND WITH SEPARATE FLOOR SLAB SHOWN WITH WELDED FRAME, SCOOP AND INTERGRAL FLOOR SLAB.

RECTANGULAR DRAINAGE STRUCTURE TYPE F & H TYPICAL DETAIL

N.T.S.



NOTES:

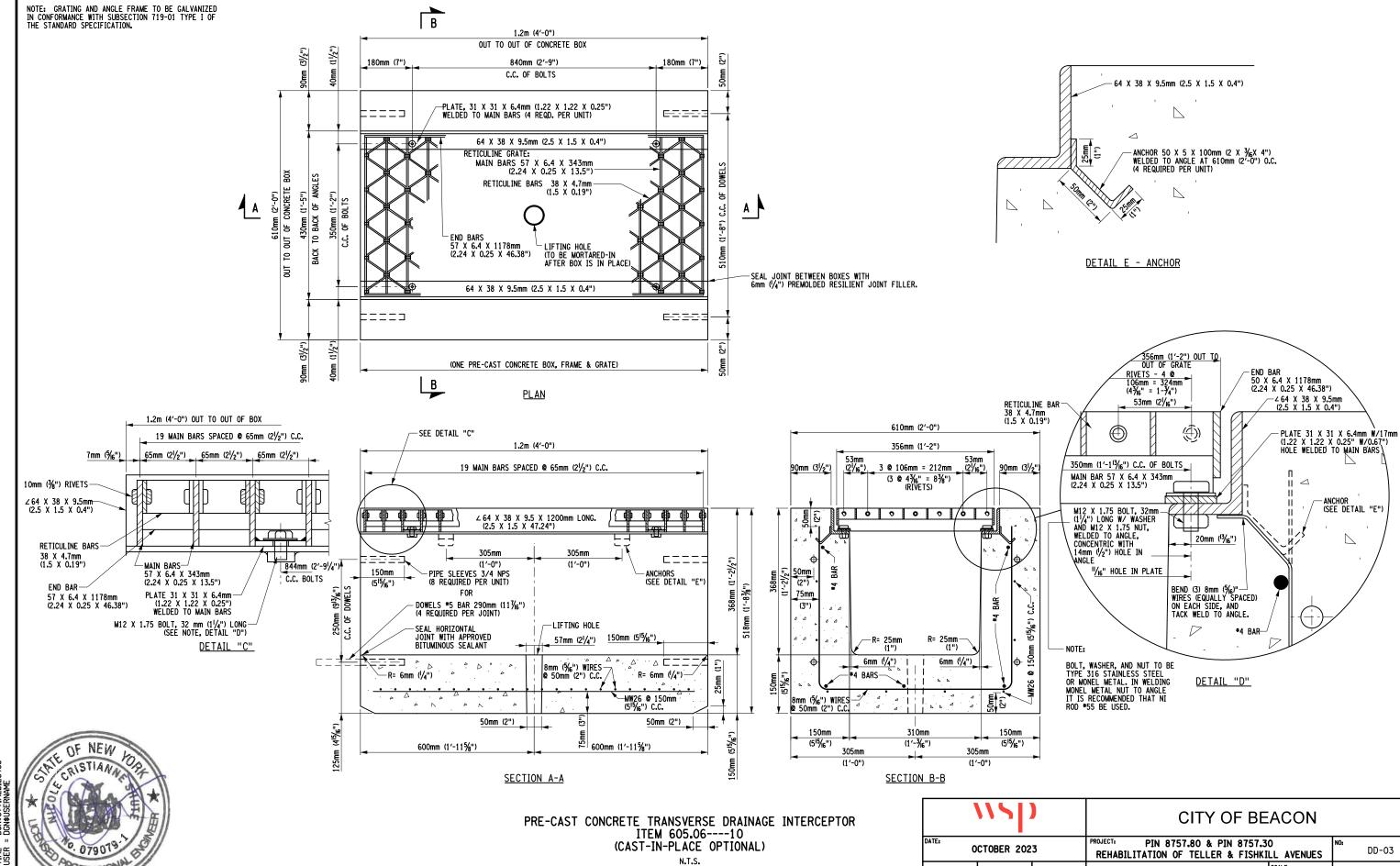
1. ALL WORK SHOWN IN THIS DETAIL SHALL BE INCLUDED IN APPROPRIATE PIPE

2. REBAR TO BE INSTALLED WITH 75mm (3") OF COVER AT FRONT AND BACK FACE OF WALL.

WALL PENETRATION DETAIL



					Control of the Contro
	115		CITY OF BEA	ACON	
DATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL		NO: DD-02
PE DB	DE SM	PM DW	DRAINAGE DETAILS - 2	AS SHOWN	SHEET 42 OF <b>64</b>



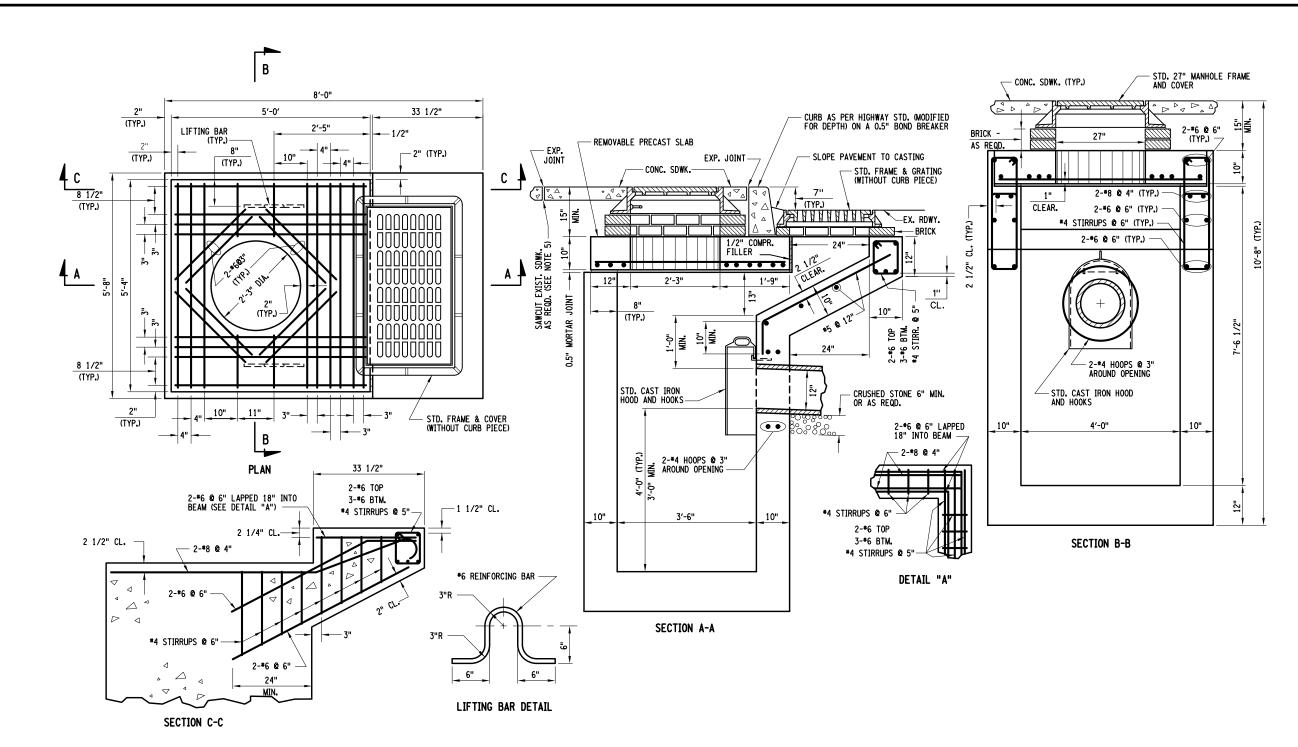
DB

SM

DW

DRAINAGE DETAILS - 3

AS SHOWN SHEET 43 OF 64



# 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"x2'-0" WITH 2-\*604" 4'-9" LONG PLACED ABOVE OPENING; IN ADDITION, THE FRONT WALL SHALL BE MANUFACTURED SOLID AND ADDITIONAL 2-\*501'-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.)

	1	WSD		CITY OF BEACON			
5 0 5 10 15 m	DATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO:	DD-04	
SCALE	<sub>PE</sub> DB	<sub>DE</sub> SM	<sub>PM</sub> DW	DRAINAGE DETAILS - 4 SCALE: AS SHOW	N SHEET	44 of (	64



	POLE	EXI:	STING LOCAT	ION	PROPO	SED LOCATION	NC
		STA.	OFFSET (M)	SIDE	STA.	OFFSET (M)	SIDE
E 1	1	1+276.6	3.06	R		REMOVE	
SHARE	2	1+496.4	6.04	R		REMOVE	
SH	3	1+549.0	6.68	R		REMOVE	
	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	
2	7A	2+142.0	5.77	L		REMOVE	
	7B	2+141.9	6.32	L	2+141.3	6.92	L
SHARE	8	2+179.7	2.28	L	2+176.7	4.12	L
0,	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 F	OLE RELOCA	TIONS		
	EXIS	TING			PROP	OSED	
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



1	115]	CITY OF BEACON						
(TE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKI	-	NO: UT-01			
DB	SHEET 45 OF <b>64</b>							

				POTENTIAL WATER MAIN AND SERVICE L	ATERAL 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 confirmdepth 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 confirmdepth of existing water main. Relocate as required.
				EXISTING WATER SERVICE conflict	1	
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 WAITER 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		

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 sew er 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 sew er 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 sew er 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 sew er 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 SANTARY 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 SANTARY 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 sew er 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 SANTARY 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 SANTARY SEWER FORCE LATERAL		



				The state of the s	Charles Co.
•	115		CITY OF BE	ACON	
\TE: 0	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI	-	NO: UC-01
DB	<sub>DE</sub> SM	PM DW	UNDERGROUND UTILITY CONFLICTS TABLE	SCALE: AS SHOWN	SHEET 46 OF <b>64</b>

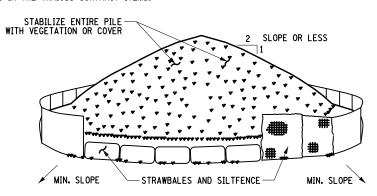
				POTENTIAL GAS MAIN AND SERVICE LAT	TERAL CONFLICTS			
NO.	LOC.	SIDE	APPROX. STATION	UTILITY/DESCRIPTION	OWNER	COMMENTS		
UCG-1	UCG-1 DUP-01 WEST		1+060	Proposed 375 mm RCP drainage pipe crossing 4" plastic pipe.	Central Hudson Gas and ⊟ectric	Replacement of existing drainage pipe. Contractor to perform 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 ⊟ectric	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 ⊟ectric	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 ⊟ectric	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 ⊟ectric	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 ⊟ectric	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 ⊟ectric	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 TYPER CATCH BASIN	Central Hudson Gas and ⊟ectric	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 ⊟ectric	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 ⊟ectric	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 dranage structure	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.					
				EXISTING TELEPHONE DUCT BANK / MANHOLES							

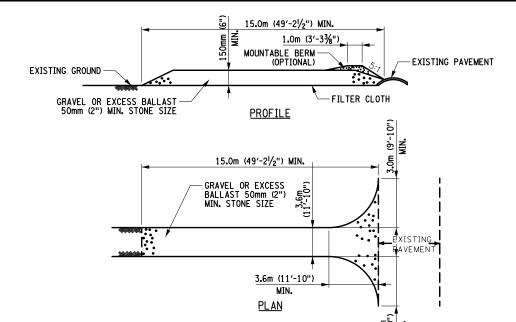


wsp	CITY OF BEACON	
OCTOBER 2023	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: UC-02
PE DB DE SM PM DW	UNDERGROUND UTILITY CONFLICTS TABLE  SCALE: AS SHOWN	SHEET 47 OF <b>64</b>

- 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.

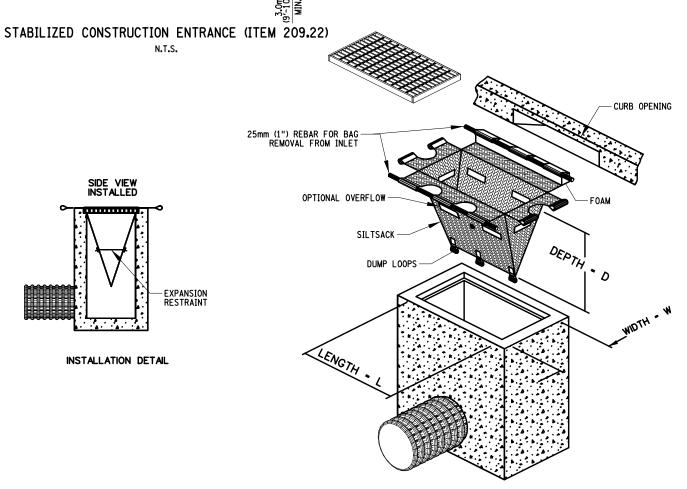


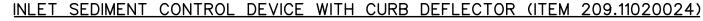
SOIL STOCKPILING DETAIL N.T.S.



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.



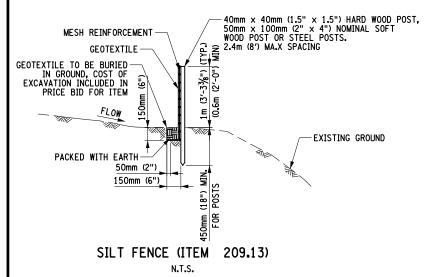


("SILTSACK" PER ETG, KNOXVILLE, TN 865-938-7157 OR APPROVED EQUAL)

N.T.S.					
11	71)		CITY OF BE	ACON	
DATE: OCTOB	ER 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKI	-	NO: ESD-01
PE DB DE	SM	<sub>PM</sub> DW	EROSION AND SEDIMENT CONTROL DETAILS - 1	SCALE: AS SHOWN	SHEET 48 OF <b>64</b>



- 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.

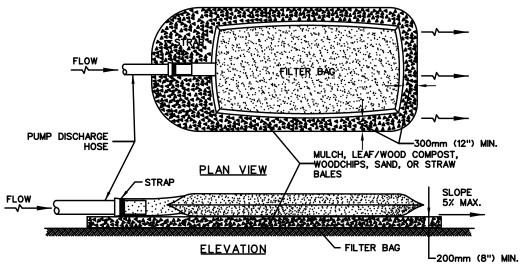


#### SILT FENCE GENERAL NOTES:

- 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  $32\times32$  ( $1\frac{1}{4}$ "  $\times$   $1\frac{1}{4}$ ") (MINIMUM) HARDWOOD,  $38\times89$  ( $1\frac{1}{2}$ "  $\times$   $3\frac{1}{2}$ ") (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.
- SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
- B. DRAINAGE AREAS:
  MAXIMUM DRAINAGE AREA TRIBUTARY TO 30m (98.5') OF SILT FENCE SHALL BE 0.2
  Hg. MAXIMUM DRAINAGE AREA TRIBUTARY TO 30m (98.5') OF HAYBALE DIKE SHALL
  BE 0.1 Hg.
- 9. THE FOLLOWING ARE MAXIMUM SLOPE LENGTHS TO THESE MEASURES:

SILT	FENCE	HAY	BALE DIKE	
SLOPE	SLOPE HORIZ	SLOPE	SLOPE HORIZ	
	LENGTH LENGTH		LENGTH LENGT	
	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 (131.237)
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 EQUIPEMENT 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 PLIMPING 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 ASTM D-4632 PUNCTURE 150 LB ASTM D-4833 70 GAL/MIN/FT37/64 FLOW RATE ASTM D-4491 1.2 SEC<sup>-1</sup> PERMITTIVITY (SEC-1) ASTM D-4491 UV RESISTANCE APPARENT OPENING SIZE (AOS) 70% STRENGTH @ 500 HOURS ASTM D-4355 0.15-0.18 MM ASTM D-4751 90% SEAM STRENGTH ASTM D-4632

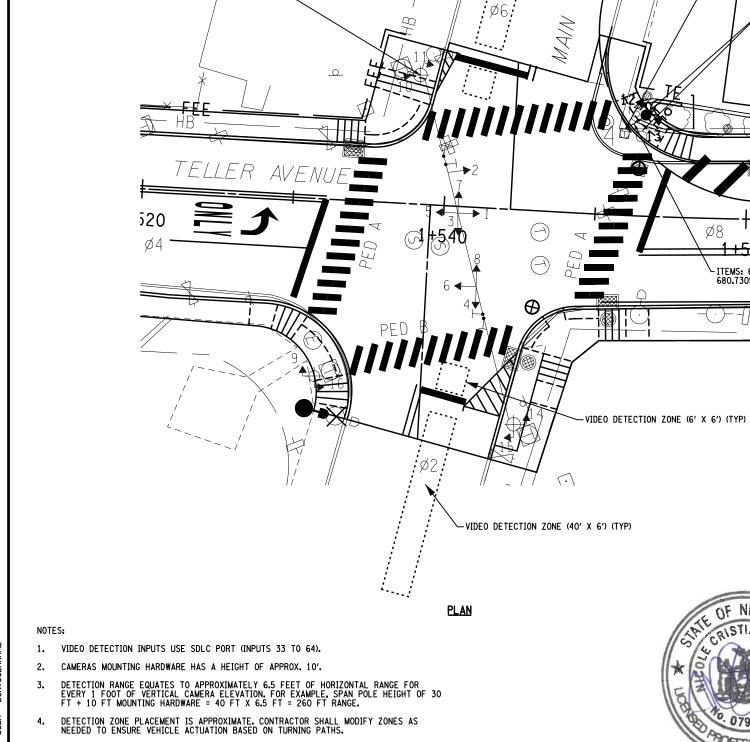
- REPLACE FILTER BAG IF BAG CLOGS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISPLACED.
- 8. NO ADDITIONAL PAYMEN FOR THIS ITEM WILL BE MADE. THE COST OF DOING THIS WORK SHALL BE INCLUDED IN THE VARIOUS PAYMENT ITEMS.

## GEOTEXTILE FABRIC SEDIMENT COLLECTION BAG (FILTER BAG) DETAIL

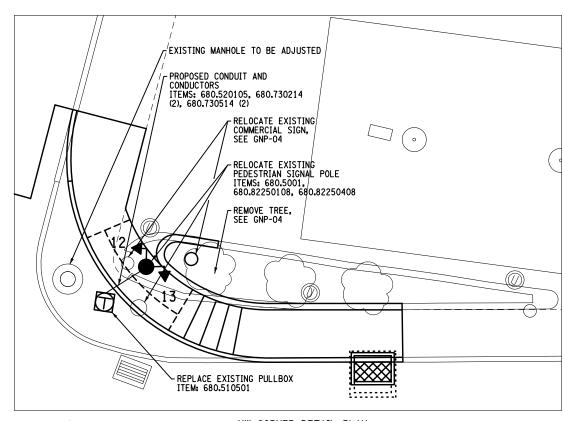
N.T.S.



wsp	CITY OF BEACON	
OCTOBER 2023	PROJECT: PIN 8757.80 & PIN 8757.30  REHABILITATION OF TELLER & FISHKILL AVENUES	SD-02
PE DB DE SM PM DW	EROSION AND SEDIMENT CONTROL DETAILS - 2  SCALE: AS SHOWN SHEET 49	of <b>64</b>

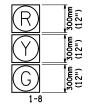


ITEM: 680.05010007



## NW CORNER DETAIL PLAN

## SIGNAL FACES



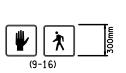


TABLE OF OPERATIONS																
DUACE		FACE														
PHASE 1 2 3 4 5 6					7	8	9	10	11	12	13	14	15	16		
PED A LPI	R	R	R	R	R	R	R	R	W	W	D.W.	D.W.	W	W	D.W.	D.W.
ø2+ø6	R	R	G	G	R	R	G	G	W	W	D.W.	D.W.	W	W	D.W.	D.W.
PED B LPI	R	R	R	R	R	R	R	R	D.W.	D.W.	W	W	D.W.	D.W.	W	W
ø4+ø8	G	G	R	R	G	G	R	R	D.W.	D.W.	W	W	D.W.	D.W.	D.W.	D.W.
FLASHING OPERATION	FL. FL. FL. FL. FL. FL. FL. FL. DIANY DIANY							BL.	NK .							

 $\begin{array}{c|c} TABLE & OF \\ CLEARANCES \\ \hline TO & FROM \\ \hline G & R \\ \hline G & \frac{R}{R} \\ \hline R & \frac{Y}{R} \\ \end{array}$ 

SCALE

AVENUE

REPLACE EXISTING PULLBOX ITEM: 680.510501

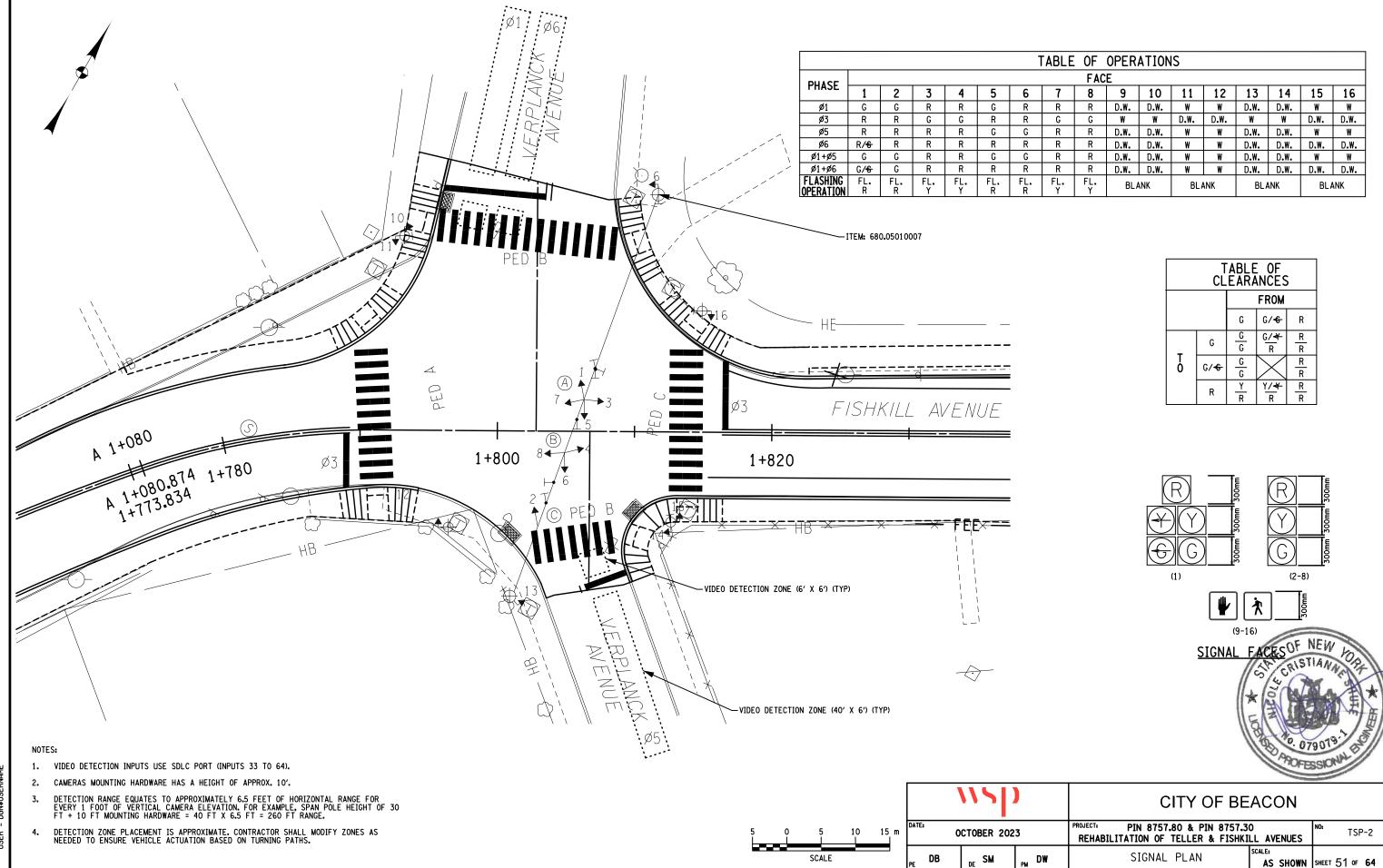
RELOCATE EXISTING
PEDESTRIAN SIGNAL POLE
ITEMS: 680.5001,
680.82250108, 680.82250408

LITEMS: 680.520105, 680.730214 (2), 680.730514 (2)

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	TABLE OF QUANTITIES MAIN STREET			
ITEM NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
619.1612	MAINTAIN TRAFFIC CIGNAL EQUIPTMENT (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 PEDSTRIAN PUSHBUTTONS AND SIGNS	EA	1	·
680.82250408	RELOCATE PEDSTRIAN POLE	EA	1	·

	•	WSP		CITY OF BE	ACON		
m	DATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI		NO:	TSP-1
	<sub>PE</sub> DB	<sub>DE</sub> SM	<sub>PM</sub> DW	SIGNAL PLAN	SCALE: AS SHOWN	SHEET	50 <sup>0</sup> 64



AS SHOWN SHEET 56 OF 64

DESIGNATION	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)
& COLOR (SEE NOTE 2)	LUCATION	IEXI	I I EM	AREA (SEE NOTE 3)	TOTAL PAYMENT AREA
R1-1	3 20 50 101	STOD	645.5102	30" X 30"	6.25 SF
KI-I	3,29,58,101	STOP	645,5102	6.25 SF	25 SF
D3-1	3,12,17,29,72	Teller Ave.	645 <b>.</b> 5101	30" X 12"	2.5 SF
D3-1	5,12,11,23,12	Teller Ave.	643.3101	2.5 SF	12 <b>.</b> 5 SF
D3-1	3	Wolcott Ave.	645 <b>.</b> 5101	30" X 12"	2.5 SF
03-1	1	Wolcott Ave.	645.5101	2.5 SF	2.5 SF
R7-1	8,11,19,32,42,53,55, 57,65,67,76,79,83,84,	N O PARKING ANY	645.5101	12" X 18"	1.5 SF
K1-1	114,174,175,179	TIME	643.3101	1.5 SF	27 SF
R7-1L	16,24,31,39,50,80,177	N O PARKING ANY	645.5101	12" X 18"	1.5 SF
W IL	7	TIME	01313131	1.5 SF	10.5 SF
R7-1R	20,25,35,44,45,	NOPARKING ANY	645 <b>.</b> 5101	12" X 18"	1.5 SF
W IN	176,178	TIME	013.5101	1.5 SF	10.5 SF
D3-1	12	7 Miller St.	645 <b>.</b> 5101	30" X 12"	2.5 SF
55 1	1		013.5101	2.5 SF	2.5 SF
D3-1	17	Fowler St.	645.5101	30" X 12"	2.5 SF
55 1	1	Tomo Gt.	0-3-3101	2.5 SF	2.5 SF
D3-1	29	9 Vine St.	645.5101	30" X 12"	2.5 SF
na_1	1	VIIIC St.	343,3101	2.5 SF	2.5 SF
D3-1	72	Main St.	645.5101	30" X 12"	2.5 SF
n2-1	12	waili St.	0-3-5101	2.5 SF	2.5 SF

DESIGNATION	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)
& COLOR (SEE NOTE 2)	LUCATION	ILAI	III.	AREA (SEE NOTE 3)	TOTAL PAYMENT AREA
D3-1	90,93,96,105,112	Fishkill Ave.	645.5101	30" X 12"	2.5 SF
55 1	126	Tismai Arc.	0 1313101	2.5 SF	15 SF
D3-1	90	Ackerman Ave.	645.5101	30" X 12"	2.5 SF
03-1	1	Accellidit Ave.	643.3101	2.5 SF	2.5 SF
D3-1	93	Kent St.	645.5101	30" X 12"	2.5 SF
03-1	1	Kell St.		2.5 SF	2.5 SF
D3-1	96	14	645,5101	30" X 12"	2.5 SF
03-1	1	Lincoln Ave.	645.5101	2.5 SF	2.5 SF
D3-1	105	Wilkes St.	645.5101	30" X 12"	2.5 SF
03-1	103	WHRES 51.	643.5101	2.5 SF	2.5 SF
W11-2	99,103,107,118,	16	645.5102	24" X 24"	4 SF
W11-2	120,135	<b>\</b>	643,5102	4 SF	24 SF
W16-9P	99,100,134,135	AHEAD	645.5102	30" X 12"	2.5 SF
#10-31	33,100,134,133	100.00	043.3102	2.5 SF	10 SF
W17-1	100,134	RAISED CROSSWALK	645.5102	24" X 24"	4 SF
"""	2	NOOMALI	043.3102	4 SF	8 SF
R14-1	133	TRUCK 19	645.5102	24" X 18"	3 SF
NIT I	133	ROUTE	073,3102	3 SF	3 SF
W16-7P	103,107,118,120	20	645.5101	24" X 12"	2 SF
#10 11	103,107,116,120		013,3101	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.
- 2. THE COLOR IS ONLY SHOWN WHEN THERE IS AN OPTION THAT MUST BE SPECIFIED.
- 3. THE AREA AND PAYMENT AREA FOR SIGNS ARE FROM THE APPLICABLE STANDARD SHEETS OR SIGN FACE LAYOUTS.
- 4. 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").



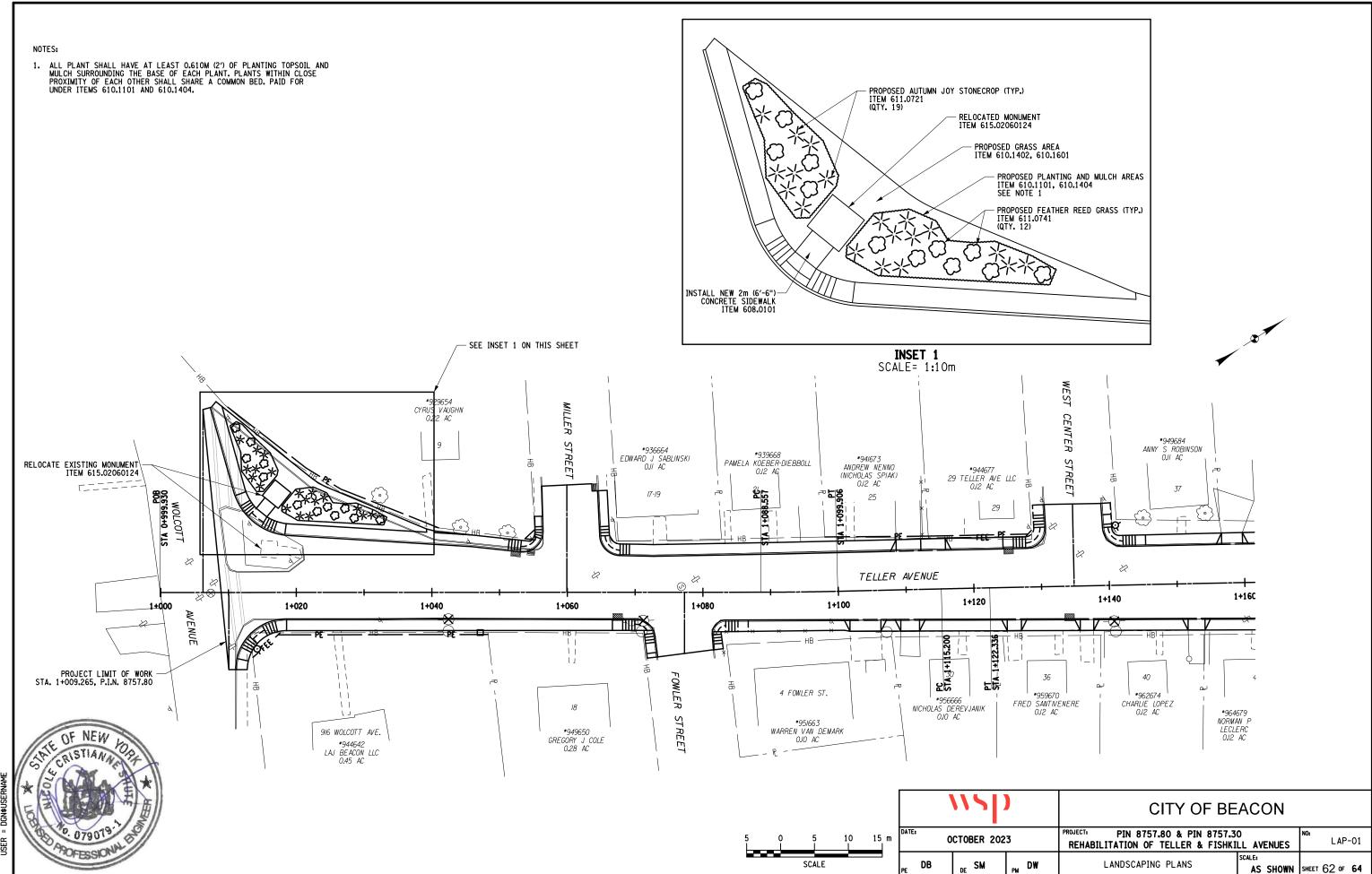
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wsp				CITY OF BE	ACON	
	DATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI	-	NO: SDS-01
	PE DB	<sub>DE</sub> SM	PM DW	SIGN DATA SHEET	SCALE: AS SHOWN	SHEET 60 OF <b>64</b>

DESIGNATION	LOCATION	LOCATION TEXT		SIZE	PAYMENT AREA (SEE NOTE 3)
& COLOR (SEE NOTE 2)	LOGATION	TEXT	ITEM	AREA (SEE NOTE 3)	TOTAL PAYMENT AREA
M1-5	108	NEWBURGH BEACON BRIDGE	645,5102	24" X 24"	4 SF
MI J	1	BRIDGE	043,3102	4 SF	4 SF
M6-3	108,133	22	645.5102	21" X 15"	2.2 SF
WO 0	2	2		2.2 SF	4.4 SF
D3-1	112	Franklin Ave.	645,5101	30" X 12"	2.5 SF
D3-1	112	FTAIIMIII AVE.	043,5101	2.5 SF	2.5 SF
R6-1	113	ONE WAY	645.5102	36" X 12"	3 SF
K6-1	113		645,5102	3 SF	3 SF
M4-3	131	BUSINESS 25		30" X 12"	2.5 SF
M4-J	131	BUSINESS	645.5102	2.5 SF	2.5 SF
M1-5	131	<u>26</u>	645.5102	24" X 24"	4 SF
MI.2	131	52	073,3102	4 SF	4 SF

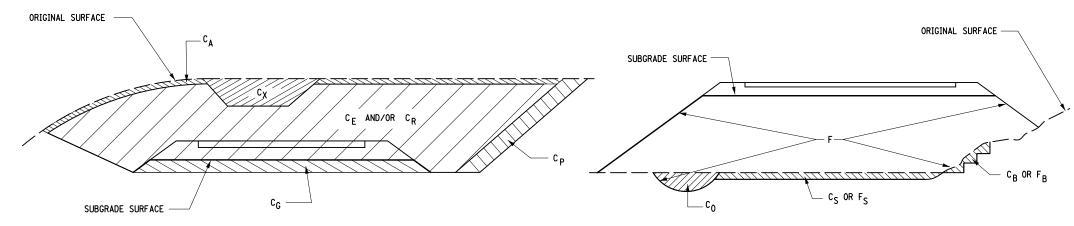
SIGNING NOTES: SEE SDS-01 FOR SIGN NOTES



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•	WSD		CITY OF BE	ACON	
\TE: 0	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.3 REHABILITATION OF TELLER & FISHKI		NO: SDS-02
DB	DE SM	PM DW	SIGN DATA SHEET	SCALE: AS SHOWN	SHEET 61 OF <b>64</b>



SUMMARY OF TRENCH AND CULVERT EXCAVATION (ITEM 206.0201 ONLY)									
COLIDOR	EXCA	ITEM							
SOURCE	ROCK	NON-ROCK	206.0201						
SHARE 1 (MH, CB, PIPE)	0	2014 CY	2014 CY						
SHARE 2 (MH, CB, PIPE)	0	759 CY	759 CY						
OF NEW									
CRISTIALS!	0	2773 CY	2773 CY						



## **DEFINITIONS:**

 $\boldsymbol{c}_{\boldsymbol{B}}$  - excavation for required benching, (both longitudinal and transverse).

 $\mathbf{C}_{\mathbf{G}}$  - EXCAVATION FOR SUBGRADE IMPROVEMENT.

 $c_{\mbox{\scriptsize P}}$  - excavation from cut slope necessary to place slope protection.

 $c_{\rm E}$  - Portion of cut assumed to be earth suitable for embankment construction, excluding  $c_{\rm G}$  and  $c_{\rm P}$ .

**CUT SECTION** 

 $T_E$  -  $(C_B + C_G + C_P + C_E)$  Total Earth excavation assumed suitable for embankment construction.

C<sub>A</sub> - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) IN CUT.

 ${\tt C}_{\sf S}$  - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) UNDER EMBANKMENT.

 $\mathsf{C}_\mathsf{X}$  - EXCAVATION OF UNSUITABLE MATERIAL IN CUT: SWAMP OR DUMP

 ${\tt C}_{0}$  - EXCAVATION OF UNSUITABLE MATERIAL BENEATH EMBANKMENT: SWAMP OR DUMP

 $T_U$  -  $(C_A$  +  $C_S$  +  $C_X$  +  $C_0$ ) TOTAL EXCAVATION ASSUMED UNSUITABLE FOR EMBANKMENT CONSTRUCTION.

 $\mathbf{C}_{\mathbf{R}}$  - PORTION OF CUT ASSUMED TO BE ROCK, INCLUDING  $\mathbf{C}_{\mathbf{G}}$  IF APPLICABLE.

 $C_T - (T_E + T_U + C_R)$  TOTAL EXCAVATION.

 ${\sf F}_{\sf B}$  - FILL REQUIRED TO REPLACE BENCHES.

 ${\sf F_S}$  - FILL REQUIRED TO REPLACE TOPSOIL REMOVED BENEATH EMBANKMENTS.

FILL SECTION

 ${\sf F}$  - 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.

 $\rm T_A$  - (T\_E  $\times$   $\rm F_E$  +  $\rm ^C_R \times F_R)$  THE VOLUME WHICH THE SUITABLE EXCAVATED MATERIAL COULD OCCUPY IN EMBANKMENT.

F<sub>E</sub> - SHRINKAGE FACTOR FOR EARTH

 $\mathbf{F}_{\mathbf{R}}$  - 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

•	<u> </u>		CITY OF BE	ACON	
DATE:	CTOBER 202	3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKI	-	NO: ES-01
<sub>PE</sub> DB	DE SM	PM DW	EARTHWORK SUMMARY SHEET	SCALE: AS SHOWN	SHEET 63 OF <b>64</b>

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SUBDIVISION	LOCATION		SUIT	ABLE EXCAVA	ATION		ROCK		UNSUI	TABLE EXCAV	ATION		TOTAL EXCAVATION		EMBANK	MENT	
NO.	(STATION TO STATION)	СВ	c <sub>G</sub>	С <sub>Р</sub>	cE	Τ <sub>E</sub>	c <sub>R</sub>	C <sub>A</sub>	cs	cX	c <sub>o</sub>	TU	c <sub>T</sub>	FB	F <sub>S</sub>	F	F <sub>T</sub>
1	SHARE 1 - MONUMENT RELOCATION / POCKET PARK	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
	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

•	<b>\\S</b> [		CITY OF BEACON	
DATE: O	CTOBER 202	:3	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: ES-02
<sub>PE</sub> DB	DE SM	<sub>PM</sub> DW	EARTHWORK SUMMARY SHEET SCALE: AS SHOWN	SHEET 64 OF <b>64</b>