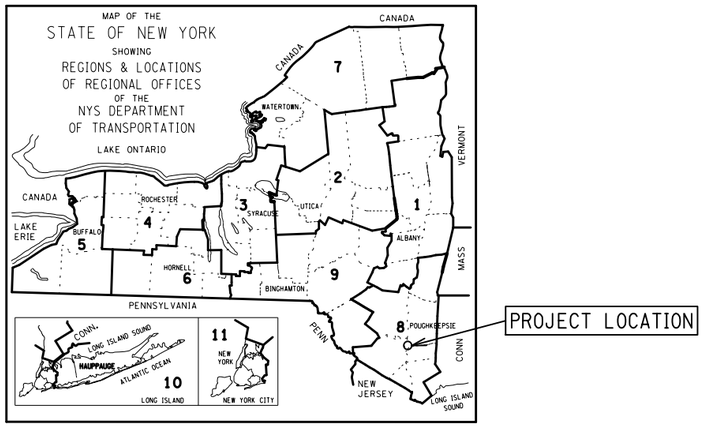


PROJECT LOCATION

NEW YORK STATE OF OPPORTUNITY.

Department of Transportation

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD 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 REFERENCED IN THE CONTRACT PROJECT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR BY CHANGES SET FORTH IN THE CONTRACT PROJECT "PROPOSAL."

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYSDOT POLICIES AND GUIDELINES AND THE FINAL DESIGN REPORT APPROVED ON 05/17/2011.

RESURFACING, RESTORATION AND REHABILITATION

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

FEDERAL AID PROJECT

FINAL PLANS

STANDARD SHEETS

203-1	606-55R1	608-29	619-20	646-11R1	680-4	685-8
203-2	606-56	608-30	619-21	655-6	680-6	685-9
203-4R2	606-57	608-31	619-50	655-8R3	680-7	
209-1R1	606-58	608-32	619-51	655-9R2	680-8R3	
209-4R1	607-2	608-33	619-60	655-10R3	680-9	
209-5R1	608-14R1	608-34	619-61	655-11R2	680-12	
209-7R1	608-15R1	608-35	619-63	655-12R1	680-13R3	
402-1R1	608-16R1	609-3R3	619-64	655-13R2	680-14R1	
554-01	608-17R1	609-4R2	619-66	655-14	680-15R1	
554-02	608-18R1	609-5	625-1R1	663-1R2	680-16	
554-03	608-19R1	611-1R1	645-50R1	663-2R1	680-17	
554-04	608-20R1	611-2	645-51	663-3R1	680-23	
554-05	608-21R1	619-4R2	645-52R2	663-4	685-1R2	
603-1R1	608-22R1	619-5R2	645-53	663-5	685-2R4	
604-5R3	608-23R1	619-8	645-55R1	663-6	685-3R3	
604-6R1	608-24	619-10	645-56R1	663-7	685-4R3	
604-7	608-25	619-11	645-72	664-1R1	685-5R2	
604-8R1	608-27	619-12R1	645-73	680-1R1	685-6	
606-5R1	608-28	619-13R1	645-76R1	680-3R4	685-7	

CONTRACT: D017347 AND D017290

COUNTY: DUTCHESS COUNTY

CONTRACTOR'S NAME _____

AWARD DATE _____

COMPLETION DATE _____

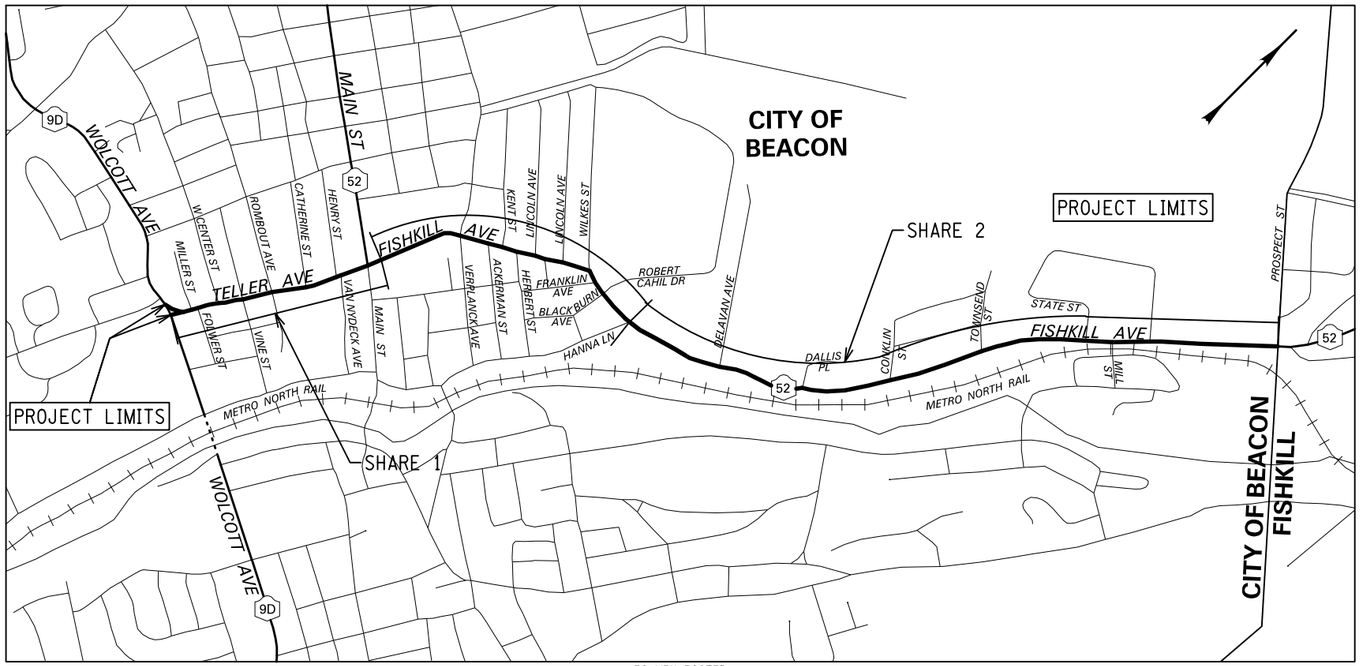
FINAL ACCEPTANCE DATE _____

REGIONAL DIRECTOR _____

ENGINEER IN CHARGE _____

FINAL COST TOTAL _____

FISCAL SHARE COST(S)



30 MPH POSTED
PROJECT LOCATION
MAP NOT TO SCALE

TELLER AVENUE AND FISHKILL AVENUE
CITY OF BEACON, DUTCHESS COUNTY

RECOMMENDED BY:

Christopher White 1/24/2023

CHRISTOPHER WHITE DATE
CITY OF BEACON, CITY ADMINISTRATOR

PREPARED BY:

NICOLE C. SHUTE, P.E.
N.Y.S.P.E. LIC. NO. 079079

wsp			CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: COV-01
PE DB	DE SM	PM DW	COVER	SCALE: AS SHOWN / SHEET 1 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$STIME0123456
USER = DGN$USERNAME

ALIGNMENT

ABBR.	DESCRIPTION
AH	AHEAD
AZ	AZIMUTH
BK	BACK
℄	BASELINE
BRG	BEARING
℄	CENTERLINE
CS	CURVE TO SPIRAL
e	SUPERELEVATION RATE (CROSS SLOPE)
EQ	EQUALITY
EXT	EXTERNAL
HCL	HORIZONTAL CONTROL LINE
HSD	HEADLIGHT SIGHT DISTANCE
L	LENGTH OF CIRCULAR CURVE
LS	LENGTH OF SPIRAL
LVC	LENGTH OF VERTICAL CURVE
E	CENTER CORRECTION OF VERTICAL CURVE
ML	MAIN LINE
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
POL	POINT ON LINE
PSD	PASSING SIGHT DISTANCE
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
SC	SPIRAL TO CURVE
SSD	STOPPING SIGHT DISTANCE
ST	SPIRAL TO TANGENT
STA	STATION
T	TANGENT LENGTH
TGL	THEORETICAL GRADE LINE
TS	TANGENT TO SPIRAL
VC	VERTICAL CURVE

TOPOGRAPHY (DRAINAGE)

ABBR.	DESCRIPTION
BB	BOTTOM OF BANK (STREAM)
BC	BOTTOM OF CURB
BO	BOTTOM OF OPENING
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CIP	CAST IRON PIPE
℄ STRM	CENTERLINE OF STREAM
CMP	CORRUGATED METAL PIPE
CP	CONCRETE PIPE
CSP	CORRUGATED STEEL PIPE
CULV	CULVERT
DIA	DIAMETER
DMH	DRAINAGE MANHOLE
DS	DRAINAGE STRUCTURE PIPE
D'XING	DITCH CROSSING
EHW	EXTREME HIGH WATER
EL	ELEVATION
ELEV	ELEVATION
ELW	EXTREME LOW WATER
ES	END SECTION
HW	HEADWALL
INV	INVERT
MH	MANHOLE
MHW	MEAN HIGH WATER
OHW	ORDINARY HIGH WATER
OLW	ORDINARY LOW WATER
RCP	REINFORCED CONCRETE PIPE
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
TB	TOP OF BANK (STREAM)
TC	TOP OF CURB
TG	TOP OF GRATE
VCP	VITRIFIED CLAY PIPE

TOPOGRAPHY (MISCELLANEOUS)

ABBR.	DESCRIPTION
ABUT	ABUTMENT
AOBE	AS ORDERED BY ENGINEER
ASPH	ASPHALT
BDY	BOUNDARY
BLDG	BUILDING
BM	BENCH MARK
CC	CENTER TO CENTER
CONC	CONCRETE
CONST	CONSTRUCTION
CR	COUNTY ROAD
D	DEED DISTANCE
DM	DIRECT MEASUREMENT
DWY	DRIVEWAY
EP	EDGE OF PAVEMENT
ES	EDGE OF SHOULDER
FEE	FEE ACQUISITION
FEE WO/A	FEE ACQUISITION WITHOUT ACCESS
FP	FENCE POST
FD	FOUNDATION
FL	FENCE LINE
GAR	GARAGE
GR	GRAVEL
HO	HOUSE
HWY	HIGHWAY
IP	IRON PIN OR IRON PIPE
MB	MAILBOX
MON	MONUMENT
N&W	NAIL AND WASHER
OG	ORIGINAL GROUND
O/H	OVERHEAD
P	PARCEL
PAV'T	PAVEMENT
PE	PERMANENT EASEMENT
PED POLE	PEDESTRIAN POLE
PL	PROPERTY LINE
POR	PORCH
RR	RAILROAD
RTE	ROUTE
ROW	RIGHT OF WAY
RW	RETAINING WALL
SH	STATE HIGHWAY
SHLDR	SHOULDER
SPK	SPIKE
ST	STREET
STK	STAKE
STY	STORY
SW	SIDEWALK
TE	TEMPORARY EASEMENT
TO	TEMPORARY OCCUPANCY
U/G	UNDERGROUND
WW	WING WALL

UTILITIES

ABBR.	DESCRIPTION
E	ELECTRIC
EMH	ELECTRIC MANHOLE
G	GAS
GP	GUY POLE
GSB	GAS SERVICE BOX (HOUSE LINE)
GV	GAS VALVE (MAIN LINE)
HYD	HYDRANT
LP	LIGHT POLE
LPG	LOW PRESSURE GAS
PP	POWER POLE
SA	SANITARY SEWER
SMH	SANITARY MANHOLE
ST	STORM SEWER
T	TELEPHONE
TCB	TRAFFIC CONTROL BOX
TELBOX	TELEPHONE BOX
TEL P	TELEPHONE POLE
TMH	TELEPHONE MANHOLE
CTV	CABLE TELEVISION
W	WATER
WSB	WATER SERVICE BOX (HOUSE LINE)
WV	WATER VALVE (MAIN LINE)

SUBSURFACE EXPLORATION

ABBR.	DESCRIPTION
	REPLACE ABBREVIATION "AB" WITH:
AH	HAND AUGER
CP	CONE PENTROMETER
DA	60 mm CASED DRILL HOLE
DM	DRILLING MUD
DN	100 mm CASED DRILL HOLE
FH	HOLLOW FLIGHT AUGER
PA	POWER AUGER
PH	PROBE
PT	PERCOLATION TEST HOLE
RP	25 mm SAMPLER (RETRACTABLE PLUG)
	TO BE DEFINED AT THE TIME OF EXPLORATION
SP	SEISMIC POINT
TP	TEST PIT
	ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:
B	BRIDGE
C	CUT
D	DAM
F	FILL
K	CULVERT
W	WALL
X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE

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

• THE METRIC TON IS EQUIVALENT TO ONE MEGAGRAM (Mg)

INDEX

TOTAL NUMBER OF SHEETS: 102

FILE NAME = DGN$SPECD1234567890123456789012345678901234
DATE/TIME = DGN$STIMED1234567890123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: IAB-01

PE DB | DE SM | PM DW

INDEX & ABBREVIATIONS

SCALE: AS SHOWN

SHEET 2 OF 105

ALIGNMENT

STYLE	NAME	DESCRIPTION
	AC	CONTROL (CENTERLINE)
	AD_P	DETOUR
	AT_P	TRANSITION CONTROL

BRIDGE

STYLE	NAME	DESCRIPTION
	BR	RAIL
	BSHT	SHEET PILING

CONTROL

STYLE	NAME	DESCRIPTION
℄	CB	BASELINE
	CBPR	BASELINE, PROJECTION

DRAINAGE

STYLE	NAME	DESCRIPTION
ST	DCP	CULVERT PIPE
ST→	DCP_P	CULVERT PIPE (DIR)
	DDG_P	DITCH, GRASS LINED
	DDP_P	DITCH, PAVED INVERT
	DDS_P	DITCH, STONE LINED
→|	DFL_P	FLOW LINE
	DSSD	SLOTTED DRAIN
UD→	DUD_P	UNDERDRAIN

ENVIRONMENTAL

STYLE	NAME	DESCRIPTION
S	EBLHS	BALE, STRAW
	ECT	CURTAIN, TURBIDITY
	EDMC	DAM, COFFER TYPE
	EDMEC_P	DAM, EARTHEN, CHECK
	EDMPC_P	DAM, PREFAB, CHECK
	EDMSC_P	DAM, STONE, CHECK
	EFNS	FENCE, SILT
	EFNSV	FENCE, SILT & VEGETATION
	EFNV	FENCE, VEGETATION
AA	EWAA_P	WETLAND, ADJACENT AREA
FW	EWF	WETLAND, FEDERAL
FW SW	EWFS	WETLAND, FEDERAL AND STATE
WM	EWM	WETLAND, MITIGATION AREA
SW	EWS	WETLAND, STATE

LANDSCAPE

STYLE	NAME	DESCRIPTION
	LABL	AREA, BRUSH LINE
	LAHR	AREA, HEDGE ROW
	LAPB	AREA, PLANTING BED
	LAWA	AREA, WOODED AREA OUTLINE
	LAWE	AREA, WATERS EDGE
	LCUT_P	CUT LIMIT
	LFILL_P	FILL LIMIT
	LFNC	FENCE
	LTRC	TREE ROW, CONIFEROUS
	LTRD	TREE ROW, DECIDUOUS
	LWH	WALL, H PILE
	LWR	WALL, RETAINING
	LWS	WALL, STONE

ROW MAPPING

STYLE	NAME	DESCRIPTION
	MDL	DEED LINE
PE	MEE	EASEMENT, EXISTING
PE	MEP_P	EASEMENT, PERMANENT
APE	MEPA_P	EASEMENT, PERMANENT, APPROX.
TE	MET_P	EASEMENT, TEMPORARY
ATE	META_P	EASEMENT. TEMPORARY, APPROX.
FEE	MF_P	FEE ACQUISITION, W/ ACCESS
AFEE	MFA_P	FEE ACQUISITION, APPROXIMATE
	MFS_P	FEE ACQUISITION, SHAPE
FEE W/OA	MFWOA_P	FEE ACQUISITION, W/O ACCESS
	MHA	HISTORICAL, ACQUISITION
HB	MHB	HIGHWAY BOUNDARY
AHB	MHBA	HIGHWAY BOUNDARY, APPROX.
	MHBW	HWY BOUNDARY, FACE OF WALL
HB W/OA	MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS
	MJC	JURISDICTION, CITY
	MJCY	JURISDICTION, COUNTY
	MJHD	JURISDICTION, HISTORIC DISTRICT
	MJLL	JURIS., (GREAT, MILITARY) LOT LINE
	MJN	JURISDICTION, NATION
	MJPB	JURISDICTION, PUBLIC LANDS
	MJS	JURISDICTION, STATE
	MJT	JURISDICTION, TOWN
	MJV	JURISDICTION, VILLAGE
℄	MPL	PROPERTY LOT LINE
A℄	MPLA	PROPERTY LOT LINE, APPROXIMATE
Z	MSL	SUB LOT LINE

ROADWAY

STYLE	NAME	DESCRIPTION
CZ	CZ	CLEAR ZONE
	RG	GUIDE RAIL, MISCELLANEOUS
	RGB	GUIDE RAIL, BOX BEAM
	RGBM	GUIDE RAIL, BOX BEAM, MEDIAN
	RGC	GUIDE RAIL, CABLE
	RGCB	GUIDE RAIL, CONCRETE BARRIER
	RGP_P	GUIDE POST
	RGW	GUIDE RAIL, W BEAM
	RGWM	GUIDE RAIL, W BEAM, MEDIAN
	RPB	PARKING BUMPER
	RRC	RAIL ROAD, CATENARY
3R	RRER	RAIL ROAD, 3RD RAIL
	RRPLS_P	RAIL, PHOTO, LARGE SCALE
	RRPSS	RAIL, PHOTO, SMALL SCALE
	RRS	RUMBLE STRIP
	RRSLS_P	RAIL, SURVEY, LARGE SCALE
	RRSSS	RAIL, SURVEY, SMALL SCALE

SIGNS

STYLE	NAME	DESCRIPTION
	SBLB	BILLBOARDS
	SM	MULTIPLE POST
	SSO	STRUCTURE, OVERHEAD
	SSOC	STRUCTURE, OVHD. CANTILEVER

STRIPING

STYLE	NAME	DESCRIPTION
	STB•	BROKEN LINE
	STDB•	DOUBLE BROKEN LINE
	STDL•	DOTTED LINE LONG
	STDS•	DOTTED LINE SHORT
	STFB•	FULL BARRIER LINE
	STH•	HATCH LINE
	STPB•	PARTIAL BARRIER LINE
	STRCT	ROUNDABOUT, CAT TRACKS
	STRYL	ROUNDABOUT, YIELD LINE
	STSB	STOP BAR
	STSE•	SOLID, EDGE
	STXL•	X WALK, LADDER LINE
		• = W (WHITE) OR Y (YELLOW)

TRAFFIC CONTROL

STYLE	NAME	DESCRIPTION
	TCSW	SIGNAL, SPAN WIRE

TRAFFIC WORK ZONE

STYLE	NAME	DESCRIPTION
	TWZBT_P	BARRIER, TEMPORARY
	TWZBTWL_P	BARRIER, TEMPORARY, W/ WARNING LIGHTS
	TWZCD_P	CHANNELIZING DEVICE
	TWZPMRC_P	PAVEMENT MARKING REMOVAL OR COVERING

UTILITIES

STYLE	NAME	DESCRIPTION
C	UC	CONDUIT, UNDERGROUND
]C[	UCH	CONDUIT, HANGING
OC	UCO	CONDUIT, OVERHEAD
E	UE	ELECTRIC LINE, UNDERGROUND
]E[	UEH	ELECTRIC LINE, HANGING
OE	UEO	ELECTRIC LINE, OVERHEAD
OET	UETO	ELECTRIC TRANSMISSION, OVERHEAD
	UESS	ELECTRIC, SUBSTATIONS
FO	UFO	FIBER OPTIC, UNDERGROUND
]FO[	UFOH	FIBER OPTIC, HANGING
OFO	UFOO	FIBER OPTIC, OVERHEAD
G	UG	GAS, UNDERGROUND
]G[	UGH	GAS, HANGING
OG	UGO	GAS, OVERHEAD
IC	UIC	INFORM CABLE, UNDERGROUND
]IC[	UICH	INFORM CABLE, HANGING
O	UO	OIL LINE, UNDERGROUND
]O[	UOH	OIL LINE, HANGING
	UPBP	POLE, BRACE, PUSH BRACE
	UPGW	POLE, GUY WIRE
SA	USA	SANITARY SEWER, UNDERGROUND
]SA[	USAH	SANITARY SEWER, HANGING
SAF	USAF	SANITARY SEWER, FORCE MAIN, UGND
]SAF[	USAFH	SANITARY SEWER, FORCE MAIN, HANG
T	UT	TELEPHONE, UNDERGROUND
]T[	UTH	TELEPHONE, HANGING
OT	UTO	TELEPHONE, OVERHEAD
CTV	UTV	CABLE TV, UNDERGROUND
]CTV[	UTVH	CABLE TV, HANGING
OCTV	UTVO	CABLE TV, OVERHEAD
UU	UUU	UNKNOWN, UNDERGROUND
]UU[	UUH	UNKNOWN, HANGING
OUU	UUO	UNKNOWN, OVERHEAD
W	UW	WATER LINE, UNDERGROUND
]W[	UWH	WATER LINE, HANGING
OW	UWO	WATER LINE, OVERHEAD

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

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$STIME0123456
USER = DGN$USERNAME

wsp

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

NO: LEG-01

LEGEND - LINE

SCALE: AS SHOWN

SHEET 3 OF 105

ALIGNMENT

CELL	NAME	DESCRIPTION
	ACC	CENTER OF CURVATURE
	ACOGO	COGO
	ACS	CURVE TO SPIRAL
	ADPI_P	DETOUR, POINT OF INTERSECT.
	ADPL_P	DETOUR, POINT ON LINE
	AEQN	EQUATION
	AEQNAHD	EQUATION AHEAD
	AEQNBK	EQUATION BACK
	AEVT	EVENT STATION
	APC	POINT OF CURVATURE
	APCC	POINT OF COMPOUND CURVATURE
	API	POINT OF INTERSECTION
	APOB	POINT OF BEGINNING
	APOC	POINT OF CURVATURE
	APOE	POINT OF END
	APOL	POINT ON LINE
	APOS	POINT ON SPIRAL
	APOT	POINT ON TANGENT
	APOVC	POINT ON VERTICAL CURVE
	APOVT	POINT ON VERTICAL TANGENT
	APORC	POINT ON REVERSE CURVE
	APT	POINT OF TANGENCY
	APVC	POINT OF VERTICAL CURVATURE
	APVCC	POINT OF VERT. CMPND CURVE
	APVI	POINT OF VERT. INTERSECTION
	APVRC	POINT OF VERT. REVERSE CURVE
	APVT	POINT OF VERTICAL TANGENCY
	ASC	SPIRAL TO CURVE
	ASPI	SPIRAL POINT OF INTERSECTION
	ASTS	SPIRAL TO SPIRAL
	AST	SPIRAL TO TANGENT
	ATS	TANGENT TO SPIRAL
	AVEVT	VERTICAL EVENT POINT
	AVHIGH	VERTICAL HIGH POINT
	AVLOW	VERTICAL LOW POINT

BRIDGE

	BSC	BRIDGE, SCUPPER

CONTROL

	CBP	BASELINE, POINT
	CBPOL	BASELINE, POINT ON LINE
	CBSP	BASELINE, SPUR POINT
	CBTP	BASELINE, TIE POINT
	CPBM	BENCHMARK
	CPH	POINT, HORIZ. PHOTOGRAMMETRY
	CPSM	POINT, SURVEY MARKER, PERM.
	CPSV	POINT, VERT., PHOTOGRAMMETRY

DRAINAGE

CELL	NAME	DESCRIPTION
	DINV	INVERT
	DS	STRUCTURE, RECTANGULAR
	DSI	STRUCTURE, INVERT
	DSM	STRUCTURE, MANHOLE
	DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96
	DSR	STRUCTURE, ROUND
	DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R
	DST"X"_P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U

ENVIRONMENTAL

CULV	EIOP_P	STR., INLET, OUTLET PROT.
GB	EIPGB_P	STR., INLET PROT., GRAVEL BAG
H/S	EIPHS_P	STR., INLET PROT., HAY/STRAW
PRFB	EIPP_P	STR., INLET PROT., PREFAB.
SF	EIPSF_P	STR., INLET PROT., SILT FENCE
	ERCB	RISER, CONCRETE BOX
	ETRS_P	TRAP, SEDIMENT
	EWFG	WETLAND FLAG

GEOTECHNICAL

	GDH	DRILL HOLE

LANDSCAPE

	LELS	ELEVATION, SPOT
	LFP	FLAG POLE
	LMB	MAILBOX
	LPB	PAPER BOX
	LPST	POST, SINGLE
	LRB	ROCK, BOULDER
	LSHC	SHRUB, CONIFEROUS
	LSHD	SHRUB, DECIDUOUS
	LTC	TREE, CONIFEROUS
	LTD	TREE, DECIDUOUS
	LTS	TREE, STUMP
	LTW_P	TREE, WELL OR WALL
	LUKP	UNKNOWN POINT

ITS

CELL	NAME	DESCRIPTION
	IANT_P	ANTENNAS
AS	IASCTS	ACCOU. SPEED/COUNT SNSR.S
P	ICABPAD	CABINET & PAD
	ICCTV	CCTV SITE
CDPD	ICDPD	CDPD TRANSCEIVER
	ICELLT	CELL PHONE TOWER
	ICJB	CONDUIT JACK OR BORING
	ICNTLCAB	CONTROLLER CABINET
	ICPB	COMMUNICATION PULL BOX
	ICTD	CONDUIT TURNING DOWN
	ICTU	CONDUIT TURNING UP
	ICVTRT	COMM. VEH. ROAD TRANSCEIVER
	IDEFAULT	DEFAULT
EZ	IEZR	E-ZPASS READER
EZ-T	IEZTR	TRANSMITTAL READER
XC	IFOXCAB	FIBER OPTIC X-CONNECT CABINET
	IFUSSPL	FUSION SPLICE
	IHARADV	HAR ADVISORY SIGN
	IHARST	HAR SITE
LC	ILC	LOAD CENTER
	IMECSPL	MECHANICAL SPLICE
PM	IMSCS	PORT. SPEED & COUNT SENSOR
M	IMSCTS	MICRO SPEED & COUNT SENSOR
M	IMT	MICROWAVE TRANSCEIVER
VMS	IOVHVMS	PERM. OVERHEAD VMS
PA	IPASCS	PORT. ACCOU. SPD & CNT. SENSOR
	IPEDS	PEDESTRIAN SIGNAL HEAD
	IPSS	PAVEMENT SURFACE SENSOR
PVMS	IPVMS	PERM. VMS
RM	IRM	RAMP METER
RWIS	IRWIS	RDWY WEATHER INFO. SENSOR
	ISP	SOLAR PANEL
SS	ISST	SPREAD SPECT. TRANSCEIVER
TC	ITDB	TELEPHONE DEMARCATION BLK
TP	ITP	SUBSURFACE TEMP. PROBE
	IVTRT	VEHICLE TO RDWY TRANSCEIVER
WIM	IWIMD	WEIGHT IN MOTION DETECTOR
WVR	IWVR	WIRELESS VIDEO REPEATER
V	IWVRC	WIRELESS VIDEO RECEIVER
V	IWVTT	WIRELESS VIDEO TRANSMITTER

ROW MAPPING

CELL	NAME	DESCRIPTION
	MDL1P	DEED LINE, TYPE 1
	MDL2P	DEED LINE, TYPE 2
	MDL3P	DEED LINE, TYPE 3
	MDL4P	DEED LINE, TYPE 4
	MDL5P	DEED LINE, TYPE 5
	MEEP	EASEMENT, EXISTING
A	MEPAP_P	EASEMENT, PERM., APPROX.
	MEPP_P	EASEMENT, PERM., BACK LINE
	MEPSP_P	EASEMENT, PERM., SHAPE
A	MFAP_P	FEE ACQUISITION, APPROX.
	MFP_P	FEE ACQUISITION, BACK LINE
	MFSP_P	FEE ACQUISITION, SHAPE
	MHBAP	HIGHWAY BNDRY., APPROX.
	MHBCP	HISTORICAL, BLDG. CORNERS
	MHBP	HIGHWAY BNDRY, PT.
	MJCP	PT., JURIS. CITY
	MPBC	PT., BUILDING CORNER
	MPCC	PT., CROSS CUT
	MPDH	PT., DRILL HOLE
	MPF	PT., FENCE LOCATION
	MPIP	PT., IRON PIPE
	MPIR	PT., IRON ROD
	MPM	PT., MONUMENT
	MPMM	PT., MONUMENT, MISC.
	MPN	PT., NAIL
	MPRS	PT., RAILROAD SPIKE
	MPSP	PT., SPIKE
	MPST	PT., STAKE
	MPTW	PT., TREE W/ WIRE
	MPWL	PT., WALL LOCATION

ROW ACQUISITION

M1 P1 FEE	MFS_P_T	FEE ACQUISITION
M1 P1 PE	MEPS_P_T	EASEMENT, PERMANENT
M1 P1 TE	METS_P_T	EASEMENT, TEMPORARY
M1 P1 TO	METS_P_T	OCCUPANCY, TEMPORARY
M1 P1 FEE WO/A	MFS_P_T	FEE ACQUISITION W/O ACCESS

ROADWAY

	RES_P	ELEVATION, SPOT
	RGA	GUIDE RAIL, ANCHOR
	RGP	GUIDE POST, SINGLE

SIGNS

CELL	NAME	DESCRIPTION
	S	SINGLE POST
	S_P	SINGLE POST, PROPOSED
	SB_P	BACK TO BACK, PROPOSED
	SDEL	DELINEATORS
	SPM	PARKING METER
RFM	SRM	REFERENCE MARKERS
	SRSC3	SHLD, CTY, 123 DIG.
	SRSC4	SHLD, CTY, 4 DIG.
	SRSCT2	SHLD, CTY TOUR, 1-2 DIG.
	SRSCT4	SHLD, CTY TOUR, 3-4 DIG.
	SRSI	SHLD, INTERSTATE
	SRSN2	SHLD, NATIONAL, 2 DIG.
	SRSN3	SHLD, NATIONAL, 3 DIG.
	SRSS2	SHLD, STATE, 2 DIG.
	SRSS3	SHLD, STATE, 3 DIG.
	SRSS4	SHLD, STATE, 4 DIG.

TRAFFIC CONTROL

	TCBJ	BOX, JUNCTION
T	TCBP	BOX, PULL BOX
	TCBS	BOX, SPLICE
	TCMC	MICROCOMPUTER CABINET
	TCPP	PED POLE
	TCSH	SIGNAL HEADS
	TCSP	SIGNAL POLE

TRAFFIC WORK ZONE

	TWZAP_P	ARROW PANEL
	TWZAPC_P	ARROW PANEL, CAUTION MODE
	TWZAPT_P	ARROW PANEL, TRAILER OR SUPPORT
	TWZBCD_P	BARRICADE (TYPE III)
	TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)
	TWZFLG_P	FLAGGER
	TWZFT_P	FLAG TREE
	TWZIA_P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)
	TWZLUM_P	LUMINAIRE (TEMPORARY)
	TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC
	TWZSDTD_P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR
	TWZSGN_P	SIGN (TEMPORARY)
	TWZSIG_P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)
	TWZWL_P	WARNING LIGHT
	TWZWV_P	WORK VEHICLE
	TWZWVA_P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR

UTILITIES

CELL	NAME	DESCRIPTION
E	UEB	ELECTRIC, BOX
E	UEM	ELECTRIC, METER
E	UEMH	ELECTRIC, MANHOLE
	UEPT	ELECTRIC, POLE, TRANS.
G	UGM	GAS, METER
G	UGMH	GAS, MANHOLE
	UGLM	GAS, LINE MARKER
FP	UGP	GAS/FUEL PUMP
	UGV	GAS, VALVE
	UGVT	GAS, VENT
	ULP	LIGHTING, POLE
	ULPM	LIGHTING, POLE, MEDIAN
	ULPP	LIGHTING, POLE, PED.
	UMFC	MISC. FILLER CAP
	UOLM	OIL, LINE MARKER
	UP	POLE, WITH UTILITY
	UPD	POLE, DEAD (NO UTILITY)
	UPL	POLE, WITH LIGHT
S	USMH	SANITARY SEWER MANHOLE
P	UTB	TELEPHONE, BOOTH
	UTLM	TELEPHONE, LINE MARKER
T	UTMH	TELEPHONE, MANHOLE
	UTVLM	CABLE TV, LINE MARKER
C	UTVPB	CABLE TV, PULL BOX
	UUB	UNKNOWN, BOX
	UUJB	UNKNOWN, JUNCTION BOX
	UUMH	UNKNOWN, MANHOLE
	UUPB	UNKNOWN, PULL BOX
	UUVL	UNKNOWN, VALVE
	UUVT	UNKNOWN, VENT
W	UUW	UNKNOWN, WELL
	UWFH	WATER, FIRE HYDRANT
W	UWM	WATER, METER
W	UWMH	WATER, MANHOLE
	UWV	WATER, VALVE
W	UWW	WATER, WELL

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).

2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).

3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.

4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.40 mm ON B SIZE DRAWINGS).

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

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

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

wsp

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

NO: LEG-02

LEGEND - POINT

SCALE: AS SHOWN

SHEET 4 OF 105

TABLE OF QUANTITIES - SHARE 1

ITEM NO.	ITEM NO.	UNIT		ESTIMATED QUANTITY		FINAL QUANTITY
		METRIC	USC	METRIC	USC	
201.06	CLEARING AND GRUBBING	LS	LS	0.2	0.2	
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CM	CY	1640	2145	
203.03	EMBANKMENT IN PLACE	CM	CY	179	234	
203.07	SELECT GRANULAR FILL	CM	CY	431	564	
203.21	SELECT STRUCTURAL FILL	CM	CY	17	22	
204.01	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	CM	CY	262	343	
206.0201	TRENCH AND CULVERT EXCAVATION	CM	CY	2620	3427	
206.03	CONDUIT EXCAVATION AND BACKFILL INCLUDING SURFACE RESTORATION	M	LF	3	9.8	
206.05	TEST PIT EXCAVATION	EA	EA	3	3	
207.22	GEOTEXTILE DRAINAGE	SM	SY	20	24	
209.11020024	TEMPORARY CATCH BASIN INSERT - OIL, HYDROCARBONS, TRASH, SEDIMENT AND D	EA	EA	27	27	
209.13	SILT FENCE - TEMPORARY	M	LF	315	1033	
209.22	CONSTRUCTION ENTRANCE	SM	SY	20	24	
304.11000008	SUBBASE COURSE (MODIFIED)	CM	CY	501	655	
402.000014	PLANT PRODUCTION QUALITY ADJUSTMENT TO HMA ITEMS	QU	QU	78	78	
402.017904	TRUE AND LEVELING F9, HMA, 70 SERIES COMPACTION	MT	TON	264	291	
402.127104	12.5 F1 TOP COURSE HMA, 70 SERIES COMPACTION	MT	TON	793	874	
402.197904	19 F9 BINDER COURSE HMA, 70 SERIES COMPACTION	MT	TON	197	217	
402.377904	37.5 F9 BASE COURSE HMA, 70 SERIES COMPACTION	MT	TON	295	325	
407.0102	DILUTED TACK COAT	L	GAL	3189	842	
490.10	PRODUCTION COLD MILLING BITUMINOUS CONCRETE	SM	SY	5513	6594	
552.17	SHIELDS AND SHORINGS	SM	SF	2350	25295	
554.40	FILL TYPE RETAINING WALL	SM	SF	33	355	
603.6001	REINFORCED CONCRETE PIPE CLASS III 12 INCH DIAMETER	M	LF	20	66	
603.6002	REINFORCED CONCRETE PIPE CLASS III 15 INCH DIAMETER	M	LF	382	1253	
603.77	CONCRETE COLLARS	EA	EA	6	6	
603.97000002	SAWCUTTING CULVERT PIPE	EA	EA	6	6	
604.070101	ALTER DRAINAGE STRUCTURES	EA	EA	12	12	
604.301873	RECTANGULAR DRAINAGE STRUCTURE TYPE R FOR CAST IRON F3 FRAME	M	LF	49	161	
604.4060	ROUND PRECAST CONCRETE MANHOLE TYPE 60	M	LF	12	39	
605.0901	UNDERDRAIN FILTER TYPE I	CM	CY	60	78	
605.1001	UNDERDRAIN FILTER TYPE II	CM	CY	10	13	
605.1701	UNDERDRAIN PIPE, 4 IN DIAMETER	M	LF	300	984	
606.10	BOX BEAM GUIDE RAIL	M	LF	30	98	
606.120201	BOX BEAM GUIDE RAILING END ASSEMBLY TYPE IIA	EA	EA	2	2	
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CM	CY	190	249	
608.21	EMBEDDED DETECTABLE WARNING UNITS	SM	SY	50	60	
609.0213	STONE CURB OPTIONAL LEAN BACK FOR HMA PAVEMENT	M	LF	1137	3729	
610.1101	MULCH FOR PLANTING TYPE A, B, D - WOOD CHIPS AND SHREDDED BARK	CM	CY	1	1	
610.1402	TOPSOIL - ROADSIDE	CM	CY	1	1	
610.1404	TOPSOIL - SPECIAL PLANITNG MIX	CM	CY	1	1	
610.1601	TURF ESTABLISHMENT - ROADSIDE	SM	SY	300	359	
610.17	WILDFLOWER SEEDING	SM	SY	85.3	102	
611.0721	PLANTING - HERBACEOUS PLANTS - NUMBER SP4 CONTAINER GROWN	EA	EA	19	19	
611.0741	PLANTING - HERBACEOUS PLANTS - NUMBER 1 CONTAINER GROWN	EA	EA	12	12	
615.02030124	RELOCATE PLANTER	EA	EA	1	1	
615.02060124	REMOVE, STORE, AND RESET LANDSCAPE APPURTENANCE, TYPE 01	EA	EA	1	1	
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	LS	0.2	0.2	
619.0901	TEMPORARY PAVEMENT MARKING STRIPES (TRAFFIC PAINT)	M	LF	1120	3674	
619.110512	(PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPECIFIED,	EA	EA	3	3	

TABLE OF QUANTITIES - SHARE 1

ITEM NO.	ITEM NO.	UNIT		ESTIMATED QUANTITY		FINAL QUANTITY
		METRIC	USC	METRIC	USC	
619.27	MAILBOXES	EA	EA	1	1	
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	M	LF	142	466	
621.04	CLEANING DRAINAGE STRUCTURES	EA	EA	14	14	
625.01	SURVEY OPERATIONS	LS	LS	0.2	0.2	
625.0901002	SUBSURFACE SURVEY	LS	LS	0	0.2	
627.50140008	CUTTING PAVEMENT	M	LF	1360	4461	
633.11	CLEANING EXISTING PAVEMENT AND/OR SHOULDERS	SM	SY	6300	7535	
633.12	CLEANING, SEALING, AND/OR FILLING CRACKS	LS	LS	0.2	0.2	
633.14	REMOVAL AND REPAIR OF DETERIORATED HMA PAVEMENT	SM	SY	63	75	
637.11	ENGINEERS FIELD OFFICE - TYPE 1	MNTH	MNTH	6	6	
637.26	RAIN GUAGE	EA	EA	1	1	
637.34	OFFICE TECHNOLOGY AND SUPPLIES	DC	DC	1000	1000	
637.36	CONSTRUCTION TESTING SUPPLIES - CONSUMABLES	DC	DC	100	100	
645.5101	GROUND MOUNTED SIGN PANELS WITHOUT Z-BARS	SM	SF	5.4	58	
645.5102	GROUND MOUNTED SIGN PANELS WITH Z-BARS (UNDER 30 SF)	SM	SF	1.7	18	
645.81	TYPE A SIGN POSTS	EA	EA	25	25	
645.85	POLE MOUNTED SIGN SUPPORT SYSTEM (BAND MOUNTED)	EA	EA	4	4	
647.18010108	RELOCATE COMMERCIAL SIGN	EA	EA	1	1	
647.31	RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)	EA	EA	4	4	
647.51	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)	EA	EA	27	27	
655.0806	CAST FRAME F3, UNMOUNTABLE CURB BOX CU3 & 8PCB GRATE	EA	EA	22	22	
655.1022	WELDED FRAME AND RECTANGULAR GRATE 22	EA	EA	4	4	
655.1202	MANHOLE FRAME AND COVER	EA	EA	9	9	
662.60020008	ADJUST VALVE BOXES FOR RESURFACING WORK	EA	EA	25	25	
662.62000010	RESETTING CASTING ON EXISTING UTILITY MANHOLES	EA	EA	15	15	
662.78010005	INSTALL GAS MAIN CARRIER PIPE FURNISHED BY OTHERS	LS	LS	0.6	0.6	
663.0112	DUCTILE IRON CEMENT LINED WATER PIPE 12"	M	LF	45	148	
663.1006	RESILIENT WEDGE VALVE & VALVE BOX, 6"	EA	EA	1	1	
663.1301	HYDRANT	EA	EA	3	3	
663.2002	IRON WATER MAIN FITTINGS (10" - 16")	KG	LB	1200	2646	
663.25000010	RESTORE WATER SERVICE CONNECTIONS	EA	EA	11	11	
663.33	ADJUST EXISTING VALVE BOX ELEVATION	EA	EA	35	35	
663.4106	REMOVE AND DISPOSE EXISTING WATER MAIN, 6"	M	LF	4.572	15	
663.4112	REMOVE AND DISPOSE EXISTING WATER MAIN, 12"	M	LF	45	148	
663.43	REMOVE AND DISPOSE EXISTING HYDRANT	EA	EA	3	3	
663.51000004	FURNISH AND INSTALL NEW WATER VALVE BOX	EA	EA	1	1	
663.52000004	REMOVE EXISTING WATER VALVE BOX	EA	EA	1	1	
670.90	RELOCATE LAMPPOST ASSEMBLY	EA	EA	2.00	2.00	
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	EA	1	1	
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CM	CY	5	6.5	
680.510501	PULLBOX, RECTANGULAR, CONCRETE, 26 IN X 18 IN	EA	EA	1	1	
680.520105	CONDUIT, STEEL ZINC COATED, 1 1/2 IN. DIA.	M	LF	3	9.8	
680.52091004	CONDUIT, FIBERGLASS - MULTI-CELL - 4 DUCT	M	LF	60	197	
680.730214	SIGNAL CABLE, 02 CONDUCTOR, 14 AWG	M	LF	10	33	
680.730514	SIGNAL CABLE, 05 CONDUCTOR, 14 AWG	M	LF	10	33	
680.79010008	REMOVE TRAFFIC SIGNAL EQUIPMENT	LS	LS	0.2	0.2	
685.11	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	M	LF	2250	7382	
685.12	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	M	LF	830	2723	
685.14	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS	EA	EA	2	2	

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME6012345
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DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

NO: EOQ-01

ESTIMATE OF QUANTITIES
SHARE 1

SCALE: AS SHOWN

SHEET OF 105

TABLE OF QUANTITIES - SHARE 2

ITEM NO.	DESCRIPTION	UNIT		ESTIMATED QUANTITY		FINAL QUANTITY
		METRIC	USC	METRIC	USC	
201.06	CLEARING AND GRUBBING	LS	LS	0.8	0.8	
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CM	CY	5390.0	7050.0	
203.07	SELECT GRANULAR FILL	CM	CY	1147.0	1500.0	
204.01	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	CM	CY	38.0	50.0	
206.0201	TRENCH AND CULVERT EXCAVATION	CM	CY	1410.0	1844.0	
206.05	TEST PIT EXCAVATION	EA	EA	10.0	10.0	
209.11020024	TEMPORARY CATCH BASIN INSERT - OIL, HYDROCARBONS, TRASH, SEDIMENT AND DEBRIS REMOVAL	EA	EA	90.0	90.0	
209.13	SILT FENCE - TEMPORARY	M	LF	225.0	738.0	
209.22	CONSTRUCTION ENTRANCE	SM	SY	60.0	72.0	
304.11000008	SUBBASE COURSE (MODIFIED)	CM	CY	1351.0	1767.0	
402.000014	PLANT PRODUCTION QUALITY ADJUSTMENT TO HMA ITEMS	QU	QU	325.0	325.0	
402.017904	TRUE AND LEVELING F9, HMA, 70 SERIES COMPACTION	MT	TON	1142.0	1258.0	
402.127104	12.5 F1 TOP COURSE HMA, 70 SERIES COMPACTION	MT	TON	3300.0	3637.0	
402.197904	19 F9 BINDER COURSE HMA, 70 SERIES COMPACTION	MT	TON	750.0	827.0	
402.377904	37.5 F9 BASE COURSE HMA, 70 SERIES COMPACTION	MT	TON	1120.0	1234.0	
407.0102	DILUTED TACK COAT	L	GAL	13310.0	3514.0	
490.10	PRODUCTION COLD MILLING BITUMINOUS CONCRETE	SM	SY	23221.0	27772.0	
502.33010018	DRILL AND ANCHOR LONGITUDINAL JOIN TIES FOR FULL-DEPTH PORTLAND CEMENT CONCRETE PAVEMENT REPAIRS	EA	EA	1180.0	1180.0	
502.36110018	PORTLAND CEMENT CONCRETE (PCC) PLACEMENT FOR FULL-DEPTH PAVEMENT REPAIRS	CM	CY	40.0	52.0	
552.17	SHIELDS AND SHORINGS	SM	SF	2350.0	25295.0	
555.0105	CONCRETE FOR STRUCTURES, CLASS A	CM	CY	8.0	10.0	
603.6001	REINFORCED CONCRETE PIPE CLASS III 12 INCH DIAMETER	M	LF	62.0	203.0	
603.6002	REINFORCED CONCRETE PIPE CLASS III 15 INCH DIAMETER	M	LF	293.0	961.0	
603.77	CONCRETE COLLARS	EA	EA	34.0	34.0	
603.97000002	SAWCUTTING CULVERT PIPE	EA	EA	33.0	33.0	
603.98120004	DUCTILE IRON SEWER PIPE AND FITTINGS 12" DIAMETER	M	LF	354.0	1161.0	
603.99100105	TEMPORARY SANITARY SEWER	EA	EA	1.0	1.0	
604.06	TRANSVERSE DRAINAGE INTERCEPTOR	M	LF	15.0	49.0	
604.070101	ALTER DRAINAGE STRUCTURES	EA	EA	41.0	41.0	
604.301303	RECTANGULAR DRAINAGE STRUCTURE TYPE M FOR WELDED #3 FRAME	M	LF	10.0	33.0	
604.301873	RECTANGULAR DRAINAGE STRUCTURE TYPE R FOR CAST IRON F3 FRAME	M	LF	35.0	96.2	
604.302122	RECTANGULAR DRAINAGE STRUCTURE TYPE U FOR #22 FRAME	M	LF	3.0	10.0	
604.4060	ROUND PRECAST CONCRETE MANHOLE TYPE 60	M	LF	7.0	23.0	
604.50180010	OFFSET CATCH BASIN	M	LF	5.7	18.8	
605.0901	UNDERDRAIN FILTER TYPE I	CM	CY	280.0	366.0	
605.1701	UNDERDRAIN PIPE, 4 IN DIAMETER	M	LF	1530.0	5018.0	
607.30030010	CHAIN LINK FENCE, TYPE , WITH TOP RAIL, 96 INCH HIGH	M	LF	30.0	98.0	
607.96000008	REMOVE AND DISPOSE OF EXISTING FENCE	M	LF	50.0	164.0	
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CM	CY	490.0	641.0	
608.01020005	COLORED AND IMPRINTED PORTLAND CEMENT CONCRETE SIDEWALK	CM	CY	134.0	175.0	
608.07000115	RAISED CROSSWALK	M	LF	22.0	72.0	
608.10080008	RESETTING BRICK, BLOCK, OR FLAGSTONE SIDEWALKS OR DRIVEWAYS	SM	SF	2.0	22.0	
608.21	EMBEDDED DETECTABLE WARNING UNITS	SM	SY	80.0	96.0	
609.0213	STONE CURB OPTIONAL LEAN BACK FOR HMA PAVEMENT	M	LF	3639.0	11936.0	
609.0217	STONE CURB TRAVERSABLE (TR)	M	LF	540.0	1760.0	
610.1402	TOPSOIL - ROADSIDE	CM	CY	10.0	13.0	
615.02030124	RELOCATE PLANTER	EA	EA	2.0	2.0	
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	LS	0.8	0.8	
619.0901	TEMPORARY PAVEMENT MARKING STRIPES (TRAFFIC PAINT)	M	LF	4900.0	16072.0	
619.110512	(PVMS) STANDARD SIZE - FULL MATRIX (LED) NO OPTIONAL EQUIPMENT SPECIFIED, CELLULAR COMMUNICATION	EA	EA	6.0	6.0	
619.1612	MAINTAIN TRAFFIC SIGNAL EQUIPMENT (REQUIREMENT B)	INTM	INTM	6.0	6.0	
619.27	MAILBOXES	EA	EA	2.0	2.0	
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	M	LF	533.0	1748.0	
621.04	CLEANING DRAINAGE STRUCTURES	EA	EA	37.0	37.0	
623.12000008	CRUSHED STONE	CM	CY	74.9	98.0	
625.01	SURVEY OPERATIONS	LS	LS	0.8	0.8	
625.0901002	SUBSURFACE SURVEY	LS	LS	0.0	0.8	
627.50140008	CUTTING PAVEMENT	M	LF	4830.0	15842.0	
633.11	CLEANING EXISTING PAVEMENT AND/OR SHOULDERS	SM	SY	26100.0	31216.0	
633.12	CLEANING, SEALING, AND/OR FILLING CRACKS	LS	LS	0.8	0.8	
633.14	REMOVAL AND REPAIR OF DETERIORATED HMA PAVEMENT	SM	SY	261.0	312.0	
637.11	ENGINEERS FIELD OFFICE - TYPE 1	MNTH	MNTH	12.0	12.0	
637.26	RAIN GUAGE	EA	EA	3.0	3.0	
637.34	OFFICE TECHNOLOGY AND SUPPLIES	DC	DC	3000.0	3000.0	
637.36	CONSTRUCTION TESTING SUPPLIES - CONSUMABLES	DC	DC	300.0	300.0	

TABLE OF QUANTITIES - SHARE 2

ITEM NO.	DESCRIPTION	UNIT		ESTIMATED QUANTITY		FINAL QUANTITY
		METRIC	USC	METRIC	USC	
645.5101	GROUND MOUNTED SIGN PANELS WITHOUT Z-BARS	SM	SF	5.6	60.0	
645.5102	GROUND MOUNTED SIGN PANELS WITH Z-BARS (UNDER 30 SF)	SM	SF	5.5	59.0	
645.61	OVERHEAD SIGN PANELS	SM	SF	2.7	29.0	
645.81	TYPE A SIGN POSTS	EA	EA	34.0	34.0	
647.01000102	REMOVE AND DISPOSE COMMERCIAL SIGN STRUCTURE	EA	EA	1.0	1.0	
647.18010208	RELOCATE COMMERCIAL SIGN	EA	EA	1.0	1.0	
647.31	RELOCATE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)	EA	EA	5.0	5.0	
647.51	REMOVE AND DISPOSE SIGN PANEL, SIGN PANEL ASSEMBLY SIZE I (UNDER 30 SF)	EA	EA	29.0	29.0	
655.0806	CAST FRAME F3, UNMOUNTABLE CURB BOX CU3 & 8PCB GRATE	EA	EA	33.0	33.0	
655.1003	WELDED FRAME AND RECTANGULAR GRATE 3	EA	EA	5.0	5.0	
655.1022	WELDED FRAME AND RECTANGULAR GRATE 22	EA	EA	9.0	9.0	
655.1202	MANHOLE FRAME AND COVER	EA	EA	17.0	17.0	
660.93100010	ALTER SANITARY SEWER CONNECTIONS	EA	EA	9.0	9.0	
662.60020008	ADJUST VALVE BOXES FOR RESURFACING WORK	EA	EA	50.0	50.0	
662.62000010	RESETTING CASTING ON EXISTING UTILITY MANHOLES	EA	EA	56.0	56.0	
662.78010005	INSTALL GAS MAIN CARRIER PIPE FURNISHED BY OTHERS	LS	LS	0.4	0.4	
663.0112	DUCTILE IRON CEMENT LINED WATER PIPE 12"	M	LF	80.0	262.0	
663.1301	HYDRANT	EA	EA	1.0	1.0	
663.2002	IRON WATER MAIN FITTINGS (10" - 16")	KG	LB	2000.0	4410.0	
663.25000010	RESTORE WATER SERVICE CONNECTIONS	EA	EA	21.0	21.0	
663.31	RELOCATE FIRE HYDRANT	EA	EA	1.0	1.0	
663.33	ADJUST EXISTING VALVE BOX ELEVATION	EA	EA	64.0	64.0	
663.4112	REMOVE AND DISPOSE EXISTING WATER MAIN, 12"	M	LF	80.0	262.0	
663.43	REMOVE AND DISPOSE EXISTING HYDRANT	EA	EA	1.0	1.0	
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	EA	3.0	3.0	
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CM	CY	10.0	13.0	
680.52091004	CONDUIT, FIBERGLASS - MULTI-CELL - 4 DUCT	M	LF	90.0	295.0	
680.600526	TRAFFIC SIGNAL POLE - SPAN WIRE, 5000 LB, 26 FT LONG	EA	EA	2.0	2.0	
680.600730	TRAFFIC SIGNAL POLE - SPAN WIRE, 7000 LB, 30 FT LONG	EA	EA	2.0	2.0	
680.7002	DUAL SPAN WIRE ASSEMBLY WITH UPPER TETHER WIRE	EA	EA	2.0	2.0	
680.730514	SIGNAL CABLE, 05 CONDUCTOR, 14 AWG	M	LF	40.0	131.0	
680.731014	SIGNAL CABLE, 10 CONDUCTOR, 14 AWG	M	LF	90.0	295.0	
680.731514	SIGNAL CABLE, 15 CONDUCTOR, 14 AWG	M	LF	30.0	98.0	
680.731914	SIGNAL CABLE, 19 CONDUCTOR, 14 AWG	M	LF	30.0	98.0	
680.79010008	REMOVE TRAFFIC SIGNAL EQUIPMENT	LS	LS	0.8	0.8	
680.80210010	2070 LITE CONTROLLER	EA	EA	2.0	2.0	
680.80320108	FURNISH AND INSTALL MICROCOMPUTER CABINET (TYPE 330SR)	EA	EA	2.0	2.0	
680.810101	TRAFFIC SIGNAL MODULE - 12 INCH RED BALL, LED	EA	EA	14.0	14.0	
680.810103	TRAFFIC SIGNAL MODULE - 12 INCH YELLOW BALL, LED	EA	EA	14.0	14.0	
680.810104	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW ARROW, LED	EA	EA	2.0	2.0	
680.810105	TRAFFIC SIGNAL MODULE - 12 INCH GREEN BALL, LED	EA	EA	14.0	14.0	
680.810106	TRAFFIC SIGNAL MODULE - 12 INCH GREEN ARROW, LED	EA	EA	2.0	2.0	
680.810107	TRAFFIC SIGNAL SECTION - 12 INCH HOUSING - TYPE I	EA	EA	44.0	44.0	
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY	EA	EA	3.0	3.0	
680.8112	TRAFFIC SIGNAL BRACKET ASSEMBLY - 2 WAY	EA	EA	4.0	4.0	
680.8113	TRAFFIC SIGNAL BRACKET ASSEMBLY - 3 WAY	EA	EA	1.0	1.0	
680.8201	OVERHEAD SIGN ASSEMBLY - TYPE A	EA	EA	3.0	3.0	
680.82250108	RELOCATE PEDSTRIAN PUSHBUTTONS AND SIGNS	EA	EA	0.0	1.0	
680.82250408	RELOCATE PEDSTRIAN POLE	EA	EA	0.0	1.0	
680.90920008	ELECTRIC METER SOCKET, 200 AMP, SINGLE PHASE, 240/120VOLT W/ BYPASS SWITCH FOR SIGNAL INSTALLATIONS	EA	EA	2.0	2.0	
680.94000008	TRAFFIC SIGNAL SERVICE ENTRANCE	EA	EA	2.0	2.0	
680.94997008	FURNISH AND INSTALL ELECTRIC DISCONNECT GENERATOR SWITCH	EA	EA	2.0	2.0	
680.95020615	SEVICE CABLE 2 CONDUCTOR NO. 06 AWG	M	EA	21.0	21.0	
683.08020104	3G/4G LTE GATEWAY MODEM W/ ANTENNA	EA	EA	2.0	2.0	
685.11	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	M	LF	7225.0	23705.0	
685.12	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	M	LF	5607.0	18397.0	
685.13	WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS - 20 MILS	EA	EA	20.0	20.0	
685.14	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS	EA	EA	5.0	5.0	

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WSP

CITY OF BEACON

DATE: JANUARY 2023

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

NO: EOQ-02

PE DB | DE SM | PM DW

ESTIMATE OF QUANTITIES
SHARE 2

SCALE: AS SHOWN

SHEET OF 105

GENERAL NOTES

1. UNLESS NOTED OTHERWISE, ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS, WHICH ARE CURRENT AS OF THE DATE OF ADVERTISEMENT, AND AS AMENDED BY CURRENT ADDITIONS AND MODIFICATIONS THERETO.

2. 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.

6. 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 CONSTRUCTION PROJECTS.

7. AGENCIES WITH WHICH THE CONTRACTOR MAY BE DIRECTLY OR INDIRECTLY INVOLVED IN NOTIFICATIONS AND COORDINATION INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

   A. MUNICIPAL
      1. NYS DEPARTMENT OF TRANSPORTATION
      2. NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
      3. NYS POLICE - TROOP K
      4. DUTCHESS COUNTY SHERIFFS
      5. BEACON CITY SCHOOL DISTRICT
      6. DUTCHESS COUNTY DEPARTMENT OF PUBLIC WORKS
      7. CITY OF BEACON DEPARTMENT OF PUBLIC WORKS
      8. CITY OF BEACON
      9. BEACON WATER AND SEWER DEPARTMENT
      11. BEACON FIRE DEPARTMENT
      12. BEACON AMBULANCE

   B. PRIVATE COMPANIES
      1. CENTRAL HUDSON GAS AND ELECTRIC
      2. VERIZON COMMUNICATIONS
      3. ALTICE
      4. LIGHTOWER/HUDSON VALLEY DATANET
      5. RCU INC (*145 FISHKILL AVENUE)
      6. BEACON UNITED (*390 MAIN STREET)
      7. SALVATION ARMY (*372 MAIN STREET)
      8. BEACON HOUSING AUTHORITY (*31 ELIZA STREET)
      9. 195 FISHKILL AVE LLC (*195 FISHKILL AVENUE)
      10. 211 FISHKILL DEVELOPMENT CO. (*211 FISHKILL AVENUE)
      11. FIRST AMERICAN MORTGAGE TRUST (*263 FISHKILL AVENUE)
      12. BEACON CHRISTIAN ASSEMBLY (*7 DELEVAN AVENUE)
      13. SOMERSET TIRE SERVICE INC (*344 FISHKILL AVENUE)
      14. GREENS DWELLING NY (*355 FISHKILL AVENUE)
      15. NAOMI TANDET FAMILY PARTNERSHIP (451 FISHKILL AVENUE)
      16. DUTCHESS POINT II (*378-382 MAIN STREET)

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 AT THE EXPENSE OF THE CONTRACTOR.

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 ENGINEER.

10. ANY LANDSCAPE AREA DAMAGED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR, AS ORDERED BY THE ENGINEER, AT THE EXPENSE OF THE CONTRACTOR.

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 OR A.O.B.E.

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.

PAVING

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 633.14. 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 402.017904.

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. MORTAR 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 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 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 633.12.

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 DETERMINED BY THE ENGINEER.

   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 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 402.127104. IF THE REQUIRED ASPHALT THICKNESS IS BETWEEN 105mm (4") AND 285 mm (11"), CONTRACTOR SHALL PAVE BINDER COURSE, ITEM 402.197904, 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 402.377904, 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 PAVEMENT 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 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, REMOVAL OF RAVELED/UNSTABLE HOT MIX ASPHALT AND PLACEMENT OF NEW HOT MIX 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.

PAVEMENT MARKINGS

1. A DOUBLE HEADED ARROW COMBINING THROUGH AND TURN MARKING IS TO BE CONSIDERED AS A SINGLE SYMBOL FOR PAYMENT UNDER ITEM 685.14.

2. WHERE BROKEN LINES ARE PLACED ADJACENT TO ONE ANOTHER, THE LINES SHALL START AND STOP OPPOSITE EACH OTHER.

RESIDENT ENGINEER / ENGINEER-IN-CHARGE

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

CURBS AND SIDEWALKS

1. 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.

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.

2. 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

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

TEMPORARY ASPHALT

1. 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 75mm (3") OF BINDER COURSE ON TOP OF 200mm (8") OF SUBBASE COURSE. PAYMENT SHALL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.

SURVEY

1. 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 625.01.

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 CITY.

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. THE 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 EXCEPTIONS:

   - ITEMIZED TREES DESIGNATED FOR REMOVAL IN THE GENERAL PLANS SHALL BE PAID UNDER THE RESPECTIVE ITEM SHOWN AND WILL NOT BE PAID UNDER ITEM 201.06.

   - ANY REMAINING TREES THAT ARE NOT PAID UNDER SERIALIZED TREE REMOVAL ITEMS SHALL BE PAID UNDER ITEM 201.06 ONLY AS APPROVED BY THE ENGINEER.

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 HEDGES. 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.

2. 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 "STANDARD HEIGHT AND LATERAL LOCATION FOR TRAFFIC SIGNS, TYP. REG. & WARNING SIGNS ASSEMBLY"

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.

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CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: GNN-01
PE DB	DE SM	PM DW	GENERAL NOTES	SCALE: AS SHOWN	SHEET 7 OF 105

UTILITIES

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

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

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

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

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

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

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

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

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

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

9. SIGNAL POLES AND SPAN WIRES SHALL BE LOCATED SO THAT A MINIMUM 3m (10 FEET) CLEARANCE IS MAINTAINED BETWEEN THE POLE AND SPANWIRE AND THE CLOSEST OVERHEAD PRIMARY ELECTRIC LINE. ADDITIONAL INFORMATION IS PROVIDED ON STANDARD SHEET M680-23.

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.

TEST PITS

AT WATER MAIN, SEWER MAIN
AND SEWER LATERAL CROSSINGS:

1. TEST PITS SHALL BE PERFORMED BY CONTRACTOR PRIOR TO SHOP DRAWING APPROVAL FOR ALL DRAINAGE MATERIAL

2. TEST PITS SHALL BE PAID FOR UNDER ITEM 206.05. ANY REQUIRED EXCAVATION PROTECTION SYSTEM SHALL BE INCLUDED IN THE COST OF THE TEST PIT ITEM.

3. TEST PITS AT WATER MAIN CROSSINGS SHALL BE AT SUCH A DEPTH TO UNCOVER AND VERIFY SIZE, TYPE AND DEPTH OF THE EXISTING WATER MAIN. THIS INFORMATION SHALL BE TRANSMITTED TO THE ENGINEER IMMEDIATELY TO DETERMINE IF RELOCATION OF THE WATER MAIN IS REQUIRED

4. IF WATER MAIN RELOCATION IS REQUIRED, THE CONTRACTOR SHALL REFER TO THE WATER MAIN RELOCATION DETAILS FOR MATERIAL, SIZES AND OFFSET DIMENSIONS AROUND PROPOSED UTILITIES TO CALCULATE MATERIAL ORDERS

5. IF TEST PIT RESULTS SHOW A CONFLICT WITH PROPOSED INFRASTRUCTURE, THE CONTRACTOR SHALL BE DIRECTED TO THE APPROPRIATE WATER MAIN RELOCATION DETAIL ON SHEET UD-01

SOIL EROSION AND SEDIMENT CONTROL

1. GROUND WATER MAY BE ENCOUNTERED DURING THE INSTALLATION OF THE VARIOUS CONTRACT ITEMS. THE COST FOR NECESSARY DEWATERING SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS CONTRACT ITEMS.

2. THE CONTRACTOR WILL BE REQUIRED TO PERFORM ALL CONSTRUCTION OPERATIONS IN A MANNER SO AS TO MINIMIZE SOIL EROSION AND ENSURE SEDIMENT CONTROL. EROSION CONTROL MEASURES ARE ITEMS WHICH MINIMIZE THE EROSION OF SOIL. SEDIMENT CONTROL MEASURES ARE ITEMS WHICH KEEP SEDIMENT FROM LEAVING THE PROJECT SITE. EFFECTIVE SOIL EROSION AND SEDIMENT CONTROL CAN BE ACCOMPLISHED BY LIMITING THE AREA OF UNPROTECTED SOIL. PROTECTED IS DEFINED AS HAVING TEMPORARY OR PERMANENT SOIL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE. PERIMETER SEDIMENT CONTROL MEASURES ALONE ARE NOT CONSIDERED ADEQUATE PROTECTION.

3. THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF ALL ENVIRONMENTAL PERMITS ISSUED FOR THIS PROJECT. THESE PLANS REFLECT THE PROVISIONS AND REQUIREMENTS OF SAID PERMIT(S). PERMIT(S) WILL BE AVAILABLE FROM THE ENGINEER-IN-CHARGE (E.I.C.) PRIOR TO THE START OF CONSTRUCTION.

4. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT DIRECT OR INDIRECT CONTAMINATION OF ALL WATER BODIES (INCLUDING WETLANDS) BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE, OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES. DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY WATER BODIES (INCLUDING WETLANDS), NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS, OR OTHER DEVICES BE ALLOWED TO ESCAPE DIRECTLY OR INDIRECTLY INTO ANY WATER BODIES (INCLUDING WETLANDS).

5. ANY DEBRIS OR EXCESS MATERIALS FROM CONSTRUCTION OF THIS PROJECT SHALL BE IMMEDIATELY AND COMPLETELY REMOVED FROM THE BED AND BANKS OF ALL WATER BODIES (INCLUDING WETLANDS) AND SHALL BE DISPOSED OF AWAY FROM WETLANDS, WATER COURSES, OR OTHER BODIES OF WATER.

6. ALL DREDGED AND EXCAVATED MATERIAL SHALL BE DISPOSED OF AND BE PROTECTED SO THAT IT CANNOT DIRECTLY OR INDIRECTLY RE-ENTER ANY WATER BODY OR WETLAND AREA. ALL DE-WATERING OPERATIONS INVOLVING TURBID WATER SHALL BE ACCOMPLISHED BY PUMPING TO A VEGETATED AREA (NOT INCLUDING WETLANDS) OR TO A SEDIMENT TRAP, OR A MANUFACTURED SEDIMENT CONTROL SYSTEM. WHEN THE WATER BEING DISCHARGED IS AS FREE AND CLEAR OF SEDIMENT AS THE ADJACENT STREAM OR WATER BODY, THE WATER CAN BE PUMPED DIRECTLY INTO THE STREAM OR WATER BODY. DE-WATERING OPERATIONS OF TURBID WATER SHALL NOT DIRECTLY OR INDIRECTLY DISCHARGE TO ANY WATER BODIES (INCLUDING WETLANDS). LOCATIONS AND DESIGNS NOT SHOWN ON THE PLANS SHALL BE APPROVED BY THE E.I.C.

7. TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AS PER DETAILS AND SPECIFICATIONS. THE COST OF MAINTAINING AND REMOVING TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INCLUDED IN THE BID PRICE OF THE APPROPRIATE ITEM USED FOR THE INSTALLATION OF THE MEASURE. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR DAILY DURING PROLONGED RAINFALL. IF NO RAINFALL OCCURS, INSPECTION SHALL BE DONE ONCE EVERY SEVEN CALENDAR DAYS.

8. PERIMETER SEDIMENT CONTROL MEASURES AND VEGETATION PROTECTION FENCE SHALL BE PLACED PRIOR TO STARTING CLEARING AND GRUBBING OPERATIONS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE PERMANENTLY PROTECTED WITH EROSION CONTROL MEASURES.

9. TEMPORARY STOCKPILES OF SOIL SHALL BE PROTECTED AS PER THE SOIL EROSION AND SEDIMENT CONTROL DETAILS IN THE 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 EFFECTIVENESS.

10. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A MAINTAINED ROADWAY. PAYMENT SHALL BE UNDER ITEM 209.22 AND STANDARD SHEET M209-7R1 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.

WETLANDS AND WATERBODIES PRESERVATION

1. DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT ITS OPERATIONS IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO ANY WATER BODY, INCLUDING WETLANDS, FROM DIRECT OR INDIRECT POLLUTION BY DEBRIS, SEDIMENTATION OR OTHER FOREIGN MATERIAL, OR FROM THE MANIPULATION OF EQUIPMENT AND/OR MATERIALS IN OR NEAR SUCH WATER BODIES. NO WATER SHALL BE RETURNED DIRECTLY TO THE WATER BODY WHICH HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH CAUSE THE WATER TO BE CONTAMINATED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. IF THE CONTRACTOR USES THE WATER FROM ANY WATER BODY, THEY SHALL CONSTRUCT AN INTAKE OR TEMPORARY DAM AS REQUIRED TO PROTECT AND MAINTAIN WATER RIGHTS AND SUSTAIN AQUATIC LIFE DOWNSTREAM.

2. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE CONCRETE, DEBRIS, AND OTHER MATERIAL INTO THE WATERBODY EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS, OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.

3. IF PUMPS ARE USED, AT THE END OF THE WORK DAY OR BEFORE HEAVY ANTICIPATED FLOWS, THE CONTRACTOR SHALL ESTABLISH AN UNOBSTRUCTED CHANNEL AREA SUFFICIENT TO ACCOMMODATE THE FLOW. THE CONTRACTOR SHALL SUBMIT A PROCEDURE FOR APPROVAL TO THE ENGINEER-IN-CHARGE.

4. ALL DE-WATERING OPERATIONS INVOLVING TURBID WATER SHALL BE ACCOMPLISHED BY PUMPING TO A VEGETATED AREA (NOT INCLUDING WETLANDS) OR TO A SEDIMENT TRAP, OR A MANUFACTURED SEDIMENT CONTROL SYSTEM. DE-WATERING OPERATIONS SHALL NOT, DIRECTLY OR INDIRECTLY, DISCHARGE TO ANY WATER BODIES (INCLUDING WETLANDS). WHEN THE WATER BEING DISCHARGED IS AS FREE AND CLEAR OF SEDIMENT AS THE ADJACENT STREAM OR WATER BODY, THE WATER CAN BE PUMPED DIRECTLY INTO THE STREAM OR WATER BODY. LOCATIONS AND DESIGNS NOT SHOWN ON THE PLANS SHALL BE APPROVED BY THE ENGINEER-IN-CHARGE AND DCDPW. SCOUR AND TURBIDITY MUST BE AVOIDED WHEN DISCHARGING WATER BACK INTO THE ASSOCIATED WATERBODY.

DRAINAGE NOTES:

1. DRAINAGE STRUCTURES, CULVERTS AND PIPING WITHIN THE CONTRACT LIMITS THAT ARE TO BE CLEANED SHALL BE PAID FOR UNDER ITEM 621.03, CLEANING CLOSED DRAINAGE SYSTEM AND ITEM 621.04, CLEANING DRAINAGE STRUCTURES.

2. THE CONTRACTOR MUST GIVE AT LEAST 72 HOURS NOTICE TO UTILITY COMPANIES BEFORE ANY WORK IS STARTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

3. INVERT ELEVATIONS PROVIDED TO THE THOUSANDTH OF A METER PRECISION ARE ESTIMATED. CONTRACTOR TO VERIFY.

4. FOR UTILITY CONFLICT LOCATIONS AND DESCRIPTIONS SEE UNDERGROUND UTILITY CONFLICTS TABLE, ON DWG. NO. UC-01 & UC-02.

5. SHIELDS AND SHORING IS REQUIRED WHERE EXCAVATION FOR THE DRAINAGE PIPE AND/OR STRUCTURE IS BETWEEN 1.5m (5') AND 6.1m (20'), TO BE PROVIDED UNDER ITEM 552.17 - SHIELDS AND SHORING. IF THE CONTRACTOR WISHES TO LAY BACK A SLOPE, THEY WILL STILL BE PAID UNDER THIS ITEM FOR THE AREA WHERE EPS WOULD HAVE BEEN USED.

6. UNDER 604.070101 SERIES ITEMS THE CONTRACTOR SHALL CONSTRUCT NEW TOP SLABS SIMILAR TO THOSE SHOWN ON THE APPLICABLE STANDARD SHEET DRAWING FOR THE TYPE OF STRUCTURE INVOLVED. THE CONTRACTOR SHALL MEASURE THE EXISTING BASIN AND FURNISH SHOP DRAWINGS OF THE TOP SLAB FOR THE APPROVAL OF THE ENGINEER.

7. WHERE BASINS ARE PLACED ON EXISTING PIPES OR CULVERTS, THE CONTRACTOR SHALL FIELD DETERMINE THE EXISTING PIPE OR CULVERT SIZES AND INVERTS BEFORE FABRICATING THE BASINS.

8. WHILE THE TABLE OF DRAINAGE STRUCTURES LISTS ALL OR MANY EXISTING PIPES TO BE CLEANED, IT IS ESTIMATED THAT ONLY 75% WILL REQUIRE CLEANING AND THE QUANTITY PROVIDED IS BASED ON THAT ESTIMATE.

9. THE CONTRACTORS ATTENTION IS DIRECTED TO OSHA STANDARDS, SECTION 1926.651(G), CONCERNING LOCATIONS OF POSSIBLE OXYGEN DEFICIENCY OR GASEOUS CONDITIONS THAT MIGHT BE ENCOUNTERED WHEN WORKING ON THE DRAINAGE SYSTEM.

10. MASONRY ADJUSTMENT COLLARS, OR PORTIONS THEREOF, SHALL BE REPAIRED (REPLACE LOOSE OR MISSING BRICK AND MORTAR JOINTS) WHERE NECESSARY AS DETERMINED BY THE ENGINEER IN ACCORDANCE WITH THE MATERIAL AND CONSTRUCTION REQUIREMENTS OF ITEM 604.070101, EXCEPT THAT THE EXISTING DRAINAGE FRAME SHALL REMAIN IN PLACE. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK, BUT THE COST IS TO BE INCLUDED IN THE PRICE BID FOR ITEM 621.04.

11. AT THE CONCLUSION OF THE PROJECT, ALL DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS, EXISTING OR PROPOSED SHALL BE IN A CLEAN, DEBRIS-FREE STATE IN ORDER TO BE ACCEPTED. SEPARATE PAYMENT SHALL NOT BE MADE AND COST TO BE INCLUDED IN DRAINAGE ITEMS.

UTILITY AGENCY CONTACTS

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

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

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

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

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

ALTICE
KEVIN ROBINSON - (914) 326-1071
SUPERVISOR

HOLIDAY WORK RESTRICTIONS

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

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

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

FILE NAME = DGN$SPECD0123456789012345678901234567890123456
DATE/TIME = DGN$SYSTIME20123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: GNN-02
PE DB	DE SM	PM DW	GENERAL NOTES	SCALE: AS SHOWN	SHEET 8 OF 105

TRAFFIC SIGNALS

1. ALL PERMANENT RESTORATION OF AREAS EXCAVATED FOR TRAFFIC SIGNAL WORK MUST BE COMPLETED WITHIN THREE WEEKS OF THE START OF EXCAVATION UNLESS OTHER PROPOSED WORK INVOLVING EXCAVATION IS PLANNED IN THE AREA. IN AREAS OF PEDESTRIAN USE OR DRIVEWAYS, TEMPORARY ASPHALT RESTORATIONS SHALL BE PLACED IMMEDIATELY AFTER BACKFILLING IF PERMANENT WORK CANNOT BE COMPLETED AT THAT TIME. TEMPORARY ASPHALT SHALL BE 75 mm THICK AND SHALL BE MAINTAINED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. THE COST OF MAINTENANCE AND REEXCAVATION FOR PERMANENT RESTORATION SHALL BE INCLUDED IN THE APPROPRIATE CONTRACT ITEMS 203.02 AND 619.01.

2. THE LOCATION OF ALL TRAFFIC SIGNAL HEADS WILL BE VERIFIED IN THE FIELD BY THE CITY OF BEACON HIGHWAY DEPARTMENT PRIOR TO THE TERMINATION OF WIRES IN THE SIGNAL HEADS.

3. THE BOTTOM OF SIGNAL HEADS ON THE SPAN WIRE FOR EACH APPROACH SHALL BE ALIGNED.

4. THE CONTRACTOR IS ADVISED THAT UNDERGROUND AND OVERHEAD UTILITIES EXIST IN THE AREAS OF THE SIGNALIZED INTERSECTIONS. THE CONTRACTOR SHALL NOT RELY SOLELY ON THE PLANS FOR LOCATIONS OF ALL EXISTING UTILITIES, BUT SHALL HAVE LOCATIONS OF ALL UTILITIES VERIFIED PRIOR TO BEGINNING CONSTRUCTION.

5. TRAFFIC SIGNAL HEADS SHALL BE MOUNTED AS DEPICTED ON STANDARD SHEET M680-1R1 WITH CLEARANCE OF 4.7m (15'-5") TO 5.2m (17'-0") CLEARANCE ABOVE ANY POINT ON THE ROADWAY.

6. THE APPLICATION OF PAVEMENT MARKINGS SHALL BE COORDINATED WITH THE COMPLETION OF THE SIGNAL WORK AT EACH LOCATION WHERE PERMANENT PAVEMENT MARKINGS ARE TO BE APPLIED.

7. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION UNTIL THE NEW SIGNALS ARE OPERATIONAL. REASONABLE SHUT DOWN PERIODS WILL BE ALLOWED FOR SIGNAL MODIFICATION AND INSTALLATION, A.O.B.E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF TRAFFIC CONTROL DURING PERIODS WHEN THE TRAFFIC SIGNALS ARE NOT IN OPERATION.

8. THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE NEW YORK BOARD OF FIRE UNDERWRITERS FOR THE SIGNAL INSTALLATIONS.

9. THE CONTRACTOR IS ALERTED TO THE FACT THAT THE RUN-OFF FROM THE PAVEMENT SAW-CUTTING OPERATIONS MUST BE CONTAINED TO PREVENT THE RUNOFF FROM REACHING ADJACENT STREAMS AND WETLANDS.

10. ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED UNLESS NOTED. ALL BOLTS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL, EXCEPT ANCHOR BOLTS AND NUTS.

11. FOUNDATION EXCAVATIONS ARE TO BE FILLED WITH CONCRETE THE DAY THEY ARE DUG TO AVOID HOLES LEFT OPEN OVERNIGHT. HOWEVER, SHOULD ANY EXCAVATION BE LEFT OPEN AT THE END OF THE WORKING DAY, THE CONTRACTOR SHALL PROVIDE PROTECTION MEETING THE REQUIREMENTS OF SECTION 107-05E. THE COST OF WHICH SHALL BE INCLUDED IN THE PRICE BID FOR THE APPROPRIATE INSTALLATION AND/OR REMOVAL ITEMS.

12. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING A CONTINUOUSLY GROUNDED CONDUIT SYSTEM. SHOULD EXISTING CONDUIT BE USED TO WIRE THE SIGNAL SYSTEM, THESE CONDUITS SHALL BE GROUNDED IN ACCORDANCE WITH THE GROUNDING REQUIREMENTS.

13. THERE SHALL BE NO SEPARATE PAYMENT FOR PROVIDING A CONTINUOUSLY GROUNDED CONDUIT SYSTEM. PAYMENT IS TO BE INCLUDED IN THE PRICE BID FOR CABLE, CONDUIT, AND CONTROLLER INSTALLATION.

14. ALL SIGNAL POLES, PEDESTRIAN POLES, AND PUSH BUTTON STATIONS SHALL BE GROUNDED BY MEANS OF A GROUNDING ROD DRIVEN IN THE NEAREST PULLBOX OR AS PROVIDED ON NYSDOT STANDARD SHEET "SPAN WIRE MOUNTED TRAFFIC SIGNAL INSTALLATION DETAIL".

15. SIGNAL HEADS SHALL BE HUNG ON THE SPAN WIRE WITH ALL CABLING AND DRIP LOOPS LASHED ON THE SIDE OF THE HEAD OPPOSITE THE COTTER PIN SO AS TO MINIMIZE CHAFING.

16. UPON REMOVAL OF ANY POLE MOUNTED CABINETS, THE CONTRACTOR SHALL ENCLOSE THE CONDUIT OUTLET BY MEANS OF A HOT DIPPED GALVANIZED CAP. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR THE REMOVAL ITEMS.

17. UNDER NO CIRCUMSTANCE SHALL INDIVIDUAL SIGNAL CABLE CONDUCTORS OF A MULTICONDUCTOR CABLE BE PERMITTED IN TRAFFIC SIGNAL POLES OR POSTS WITHOUT THE PROTECTION OF THE CABLE INSULATION.

18. ALL SIGNAL CABLES ENTERING CONTROLLER CABINETS SHALL HAVE MYLAR OR BRASS TAGS PERMANENTLY AFFIXED WHICH SHALL IDENTIFY THE CABLE. FOR EXAMPLE - "14/10 C-1" PAYMENT WILL BE INCLUDED UNDER VARIOUS SIGNAL CABLE ITEMS.

19. PRIOR TO ORDERING POLES, ALL SIZES SHOULD BE CONFIRMED WITH THE ENGINEER IN CHARGE AND THE CITY OF BEACON HIGHWAY DEPARTMENT.

20. PEDESTRIAN SIGNAL HEADS SHALL BE PROVIDED WITH A FIVE POSITION TERMINAL BLOCK

21. TRAFFIC SIGNAL HEADS SHALL BE PAINTED DARK GREEN.

22. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 5 WORKING DAYS PRIOR TO PERFORMING ANY WORK WHICH AFFECTS THE OPERATION OF THE EXISTING TRAFFIC CONTROL SYSTEM. THE CONTRACTOR SHALL COORDINATE ANY ANTICIPATED DISRUPTIONS TO THE EXISTING SYSTEM WITH THE TRAFFIC DEPARTMENT OF THE N.Y.S.D.O.T. AT (845) 431-5770 AND THE DUTCHESS COUNTY DPW AT (845) 486-2925. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK. ALL COSTS SHALL BE INCLUDED IN VARIOUS CONTRACT ITEMS.

24. THE ROADSIDE FACE OF ALL CABINETS SHALL BE INSTALLED A MINIMUM OF 450mm (18") FROM THE FACE OF THE CURB. EXCAVATIONS FOR PULLBOXES, CONDUITS AND FOUNDATIONS SHALL BE A MINIMUM OF 150mm (6") INSIDE EXISTING RIGHT-OF-WAY LINES OR AS ORDERED BY THE ENGINEER.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY SUPPORT OF UTILITY POLES AS REQUIRED WHEN EXCAVATING NEAR THEM. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS WORK.

26. THE LOCATIONS OF THE TRAFFIC CONTROL EQUIPMENT SHOWN ON THESE PLANS ARE APPROXIMATE AND SYMBOLIC. THE CONTRACTOR SHALL LAYOUT ALL FIELD LOCATIONS IN A MANNER APPROVED BY THE ENGINEER.

27. THE ENGINEER'S APPROVAL OF EACH LOCATION IS REQUIRED PRIOR TO THE START OF ANY CONSTRUCTION. PAYMENT SHALL BE INCLUDED IN THE VARIOUS SIGNAL ITEMS.

28. THE CONTRACTOR SHALL BEAR THE COST OF ANY REPAIRS A.O.B.E. DUE TO DAMAGE DURING HIS CONSTRUCTION OPERATIONS.

29. SIGNAL HEADS SHALL NOT BE HUNG WITHOUT THE APPROVAL OF THE ENGINEER.

30. ONLY THREADED COUPLINGS OR SPLIT COUPLINGS SHALL BE PERMITTED TO JOIN STEEL CONDUITS.

RIGHT-OF-WAY

1. ALL WORK TO BE PERFORMED UNDER THIS CONTRACT WILL BE WITHIN THE PUBLIC RIGHT OF-WAY (ROW) IN ACCORDANCE WITH SECTION 105-15 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR IS TO ASSURE HIMSELF THAT ALL WORK IS BEING PERFORMED WITHIN THE ROW, INCLUDING BUT NOT LIMITED TO VEHICLE ACCESS; STORAGE OF EQUIPMENT, MATERIALS, DEBRIS AND WASTE; LANDSCAPING; VEGETATION REMOVAL AND MANAGEMENT; GRADING, SEEDING AND THE INSTALLATION OF TURF; AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIERS.

2. IF CONTRACTOR IS UNABLE TO IDENTIFY THE LIMITS OF THE RIGHTS-OF-WAY WHEN THE CONTRACT CALLS FOR WORK IN THOSE VICINITIES, THE CONTRACTOR MUST CONTACT THE PROJECT ENGINEER FOR DEFINITIVE BOUNDARY DETERMINATIONS BEFORE ANY WORK MAY BE INITIATED AT THOSE LOCATIONS (STANDARD SPECIFICATIONS SECTIONS 105-10 AND 625).

3. IN ACCORDANCE WITH SECTION 107-13 OF THE STANDARD SPECIFICATIONS, RELEASES FOR ANY NON-ESSENTIAL CONTRACT WORK OUTSIDE OF THE EXISTING RIGHTS-OF-WAY, INCLUDING PLANTINGS, LANDSCAPING OR DRIVEWAY ENHANCEMENT, WILL BE PROVIDED BY THE PROJECT ENGINEER AND IN NO INSTANCE ARE TO BE SECURED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT INVADE UPON PRIVATE PROPERTIES, LANDS OR BUILDINGS OUTSIDE OF THE RIGHTS-OF-WAY FOR ANY REASON WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE PROPERTY OWNER (STANDARD SPECIFICATIONS SECTIONS 105-15, 107-13).

4. THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES DONE. ANY SUCH INJURIES OR DAMAGES SHALL BE SATISFACTORILY REPAIRED OR ITEMS REPLACED AT THE CONTRACTOR'S EXPENSE (STANDARD SPECIFICATIONS SECTION 107-08 AND 107-13).

TREE PROTECTION FOR ENDANGERED SPECIES

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

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

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

MAINTENANCE & PROTECTION OF TRAFFIC NOTES:

1. MAINTENANCE AND PROTECTION OF TRAFFIC (MPT) SCHEMES SHALL BE IN ACCORDANCE WITH THE PLANS, THE OFFICIAL COMPILATION OF CODES, RULES AND REGULATIONS OF THE STATE OF NEW YORK (NYCRR) VOLUME 17B (HEREAFTER REFERRED TO AS THE NATIONAL MUTCD AND THE NEW YORK STATE SUPPLEMENT OR SIMPLY THE MUTCD) PART 6 AND OTHER EXHIBITS OF THE DOCUMENT AS ORDERED BY THE ENGINEER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF TRAFFIC. MAINTENANCE OF TRAFFIC SCHEMES SHALL BE IN ACCORDANCE WITH THE PLANS, THE NYSDOT STANDARD DETAILS, THE MUTCD AND AS APPROVED OR DIRECTED BY THE ENGINEER. TRAFFIC SCHEMES IN THE MUTCD OR NYSDOT STANDARD SHEETS ARE TO BE CONSIDERED MINIMUM REQUIREMENTS. THE ENGINEER MAY ORDER ADDITIONAL SIGNS, FLAGGERS, CONES, REFLECTORIZATION ETC., IF HE DEEMS IT NECESSARY IT SHALL BE AT NO ADDITIONAL COST TO THE CITY. PAYMENT FOR ALL SUCH WORK SHALL BE INCLUDED IN THE ITEMS FOR WORK ZONE TRAFFIC CONTROL AS APPROPRIATE.

3. PLANS DETAILING THE SPECIFIC MPT LAYOUTS TO BE USED SHALL BE SUBMITTED TO THE EINGINEER FOR REVIEW AND APPROVAL PRIOR TO THE START OF WORK. SUBMITTED PLANS MUST BE STAMPED BY A LICENSED NYS PROFESSIONAL ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER ITEM 619.01.

4. WHEN CONES ARE USED IN CONTROLLING THE MOVEMENT OF TRAFFIC THROUGH WORK AREAS, THE CONTRACTOR SHALL TAKE STEPS AS NECESSARY TO PREVENT THE CONES FROM BEING BLOWN OVER OR DISPLACED BY PASSING VEHICLES.

5. THE CONTRACTOR MUST NOTIFY THE ENGINEER, THE CITY OF BEACON DEPARTMENT OF PUBLIC WORKS, THE CITY OF BEACON POLICE, THE CITY OF BEACON FIRE DEPARTMENT AND EMERGENCY SERVICES, BEACON CITY SCHOOL DISTRICT, AND THE NEW YORK STATE POLICE OF ALL DETOURS, PROPOSED STREET CLOSINGS, OR ANY WORK THAT MIGHT AFFECT THE MOBILITY OR ACCESS OF THE FIRE OR POLICE DEPARTMENT OR SCHOOL DISTRICT, 72 HOURS IN ADVANCE OF THEIR IMPLEMENTATION. IN ADDITION, THE CONTRACTOR SHALL ENSURE THAT HYDRANTS AND ALARM BOXES ARE KEPT CLEAR AND AVAILABLE.

6. IF THE CONTRACTOR ELECTS TO UTILIZE A DETOUR, APPROVAL WILL BE REQUIRED FROM THE ENGINEER, THE CITY OF BEACON, AND (IF AFFECTING NYS-OWNED ROUTES) NYSDOT. PLANS DETAILING THE PROPOSED DETOUR SHALL BE SUBMITTED TO THE ENGINEER AT LEAST 30 DAYS PRIOR TO THE START OF WORK REQUIRING THE DETOUR. IF THE DETOUR AFFECTS NYS-OWNED ROUTES, THE CONTRACTOR MUST ALSO OBTAIN A HIGHWAY WORK PERMIT. DELAYS RELATED TO THE CONTRACTOR'S FAILURE TO RECEIVE TIMELY APPROVAL OF PROPOSED DETOUR ROUTES WILL BE BOURNE BY THE CONTRACTOR AT NO COST TO THE SITY AND WILL NOT BE AN ACCEPTABLE REASON FOR AN EXTENSION OF THE CONTRACT DURATION.

7. IF/WHEN/WHERE DETOURS ARE UTILIZED THE CONTRACTOR SHALL PLACE, MAINTAIN AND REMOVE DETOUR SIGNS AND DEVICES AND PERFORM A DAILY PATROL TO MAKE SURE THEY ARE IN GOOD CONDITION. WHEN THE DETOUR IS NOT IN EFFECT THE CONTRACTOR SHALL IMMEDIATELY MOVE, REMOVE OR TEMPORARILY COVER ALL DETOUR SIGNS, TO REFLECT ACTUAL CONDITIONS.

8. VARIOUS MAINTENANCE AND CONSTRUCTION SIGNS SPECIFIED IN PART 6 OF THE MUTCD ARE AVAILABLE IN THE STANDARD DIAMOND SHAPE AND AN ALTERNATE RECTANGULAR SHAPE. WHENEVER SUCH SIGNS ARE INCLUDED IN THIS CONTRACT, THE DIAMOND SHAPE SIGN SHALL BE USED, DESPITE OTHER INDICATIONS IN CHAPTER 6F.

9. UNLESS OTHERWISE INDICATED, ALL WORK ZONE SIGNS USED SHALL BE THE STANDARD SIZE FOR CONVENTIONAL ROADWAYS IN ACCORDANCE WITH THE MUTCD.

10. THE CONTRACTOR'S ATTENTION IS DIRECTED TO CHAPTER 6F,SECTION 6F.02 OF THE MUTCD WHICH REQUIRES THAT WITH THE EXCEPTION OF THE RAILROAD ADVANCE WARNING SIGN, WARNING SIGNS USED IN CONJUNCTION WITH WORK ZONE ACTIVITIES SHOULD HAVE ORANGE BACKGROUNDS.

11. WHEN THE MAINTENANCE OF TRAFFIC SCHEMES CALL FOR THE ESTABLISHMENT OF A REGULATORY REDUCED SPEED ZONE, THE CONTRACTOR SHALL POST THE SPEED ZONE AHEAD SIGN IN ACCORDANCE WITH TABLE 6C-1, 6C-2, 6H-3, AND 6E-1 OF THE MUTCD AND SECTION 2B.18 OF THE SUPPLEMENT AND SHALL POST INTERMEDIATE SPEED LIMIT SIGNS IN ACCORDANCE WITH TABLE 6C-1, 6C-2, 6H-3, AND 6E-1 OF THE MUTCD AND SECTION 2B.18 OF THE SUPPLEMENT. IN ADDITION, THE CONTRACTOR SHALL COMPLETELY COVER WITH OPAQUE MATERIAL ANY EXISTING SPEED RELATED SIGNING THAT WOULD CONFLICT WITH THE SPEED ZONE SIGNS BEING POSTED. ANY SUCH COVERING SHALL BE IMMEDIATELY REMOVED WHEN THE REDUCED SPEED ZONE IS NOT IN EFFECT. WORK ZONE SPEED ZONE AHEAD/SPEED LIMIT SIGNS THAT ARE NOT WARRANTED, SHALL BE EITHER TEMPORARILY COVERED WITH OPAQUE MATERIAL OR REMOVED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE WORK ZONE TRAFFIC CONTROL ITEM.

12. THE CONTRACTOR SHALL PLACE W8-1 "BUMP" SIGNS, W8-2 "DIP" SIGNS, W8-8 "ROUGH ROAD" SIGNS AND/OR NYW4-5 "GROOVED PAVEMENT" SIGNS WHERE DIRECTED BY THE ENGINEER.

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

13. CONTRACTOR'S ATTENTION IS DIRECTED TO SUBSECTIONS 619-3.02 D&H AND 645-3.09 OF THE STANDARD SPECIFICATIONS. EXISTING TRAFFIC SIGNS AND CONSTRUCTION SIGNS WITHIN THE WORK AREA WHICH ARE NO LONGER NEEDED, EVEN TEMPORARILY, OR ARE CONFLICTING, INAPPROPRIATE OR CONFUSING, SHALL BE REMOVED (SUBJECT TO THE APPROVAL OF THE ENGINEER) OR SHALL BE COVERED COMPLETELY WITH AN OPAQUE MATERIAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.

14. WHERE NECESSARY, OR AS REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL UTILIZE FLAGGERS AT DRIVEWAYS TO CONTROL TRAFFIC ENTERING THE TRAVEL WAY AS PART OF ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL.

15. WHERE EXCAVATIONS OR OTHER WORK OCCUR ON OR NEAR SIDEWALKS OR OTHER PEDESTRIAN WAYS, THE CONTRACTOR SHALL PROVIDE A SAFE AND ORDERLY PEDESTRIAN PASSAGE THAT COMPLIES WITH ADA STANDARDS AROUND OR THROUGH THE WORK AREA. THE PEDESTRIAN PASSAGE SHALL NOT SUBJECT PEDESTRIANS TO HAZARDS FROM TRAFFIC OR CONSTRUCTION OPERATIONS NOR CAUSE THE PEDESTRIANS TO WALK UPON UNSUITABLE OR HAZARDOUS SURFACES. CONSTRUCTION MATERIALS, VEHICLES, EQUIPMENT, DEBRIS, TEMPORARY SIGN SUPPORTS OR OTHER MATERIALS SHALL NOT BE PLACED OR STORED ON OPEN SIDEWALKS OR WALKWAYS UNLESS EXPRESSLY SHOWN IN THE CONTRACT DOCUMENTS OR APPROVED BY THE ENGINEER. UPON COMPLETION OF THE WORK AT EACH LOCATION, THE CONTRACTOR SHALL REMOVE ALL REMAINING MATERIAL AND EQUIPMENT AND SHALL LEAVE THE AFFECTED AREA(S) IN A NEAT CONDITION.

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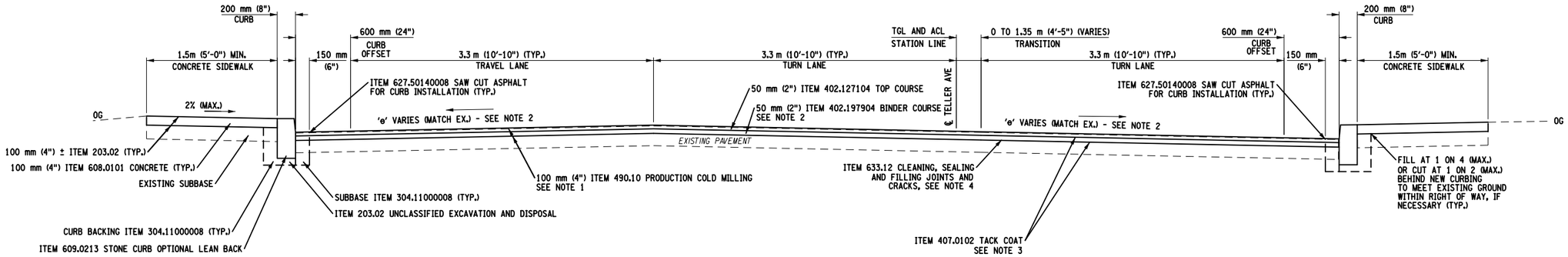
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: GNN-03
PE DB	DE SM	PM DW	GENERAL NOTES	SCALE: AS SHOWN	SHEET 9 OF 105

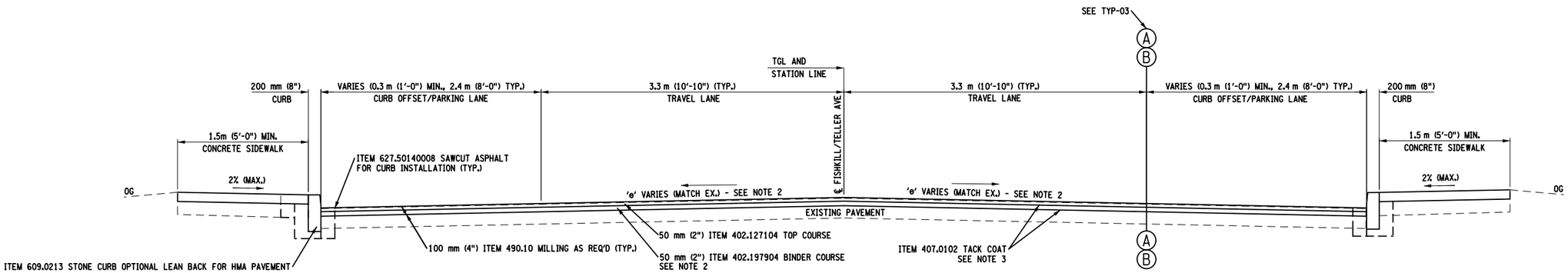


PROPOSED SECTION I

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

APPROXIMATE LIMITS
STA. 1+000 TO 1+068

SCALE: N.T.S.



PROPOSED SECTION II

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

APPROXIMATE LIMITS
STA. 1+068 TO 2+083

SCALE: N.T.S.

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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: TYP-01
PE DB	DE SM	PM DW	TYPICAL SECTION - 1	SCALE: AS SHOWN	SHEET 10 OF 105

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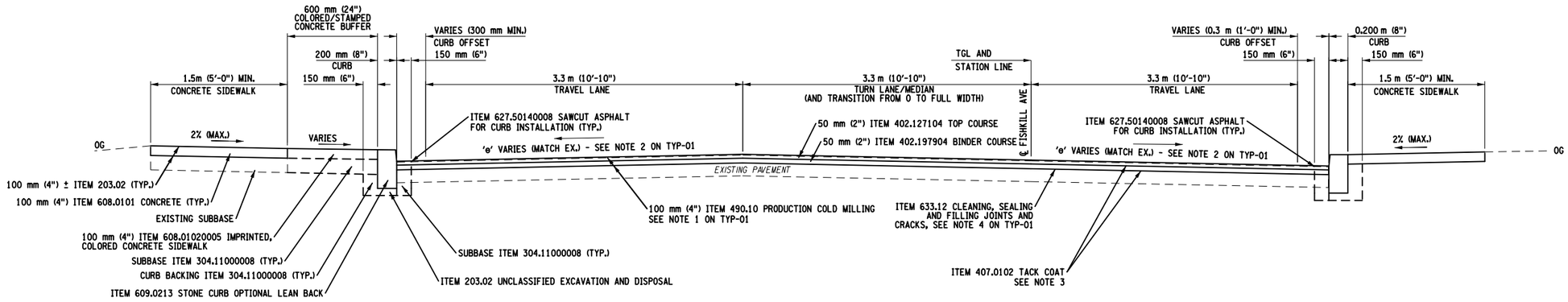


SIDEWALK WITH BUFFER

APPROXIMATE LIMITS
STA. 2+158 TO 2+300 LT
STA. 2+494 TO 2+665 LT

PROPOSED SECTION III

TRAVEL LANES AND MEDIAN
APPROXIMATE LIMITS
STA. 2+083 TO 2+300
STA. 2+494 TO 2+665

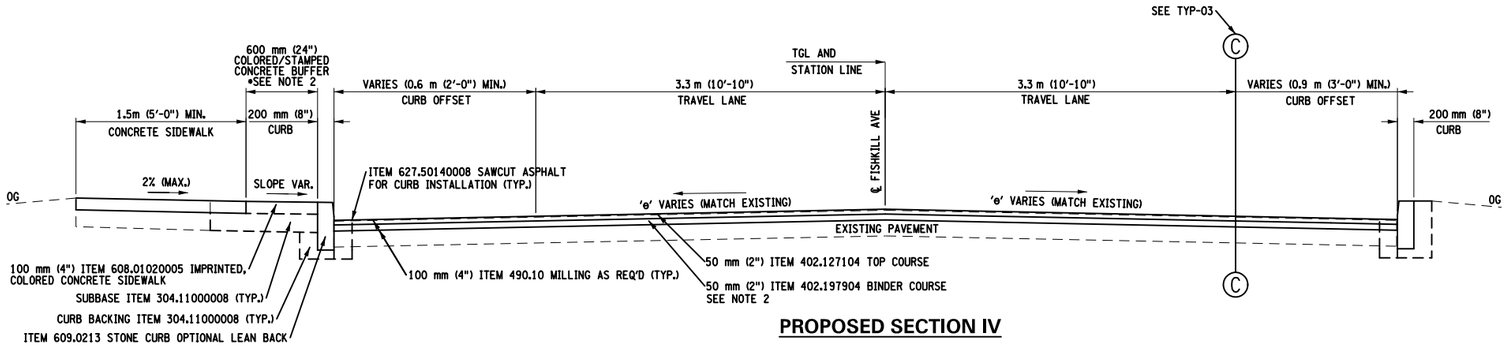
NO SIDEWALK (SOUTH SIDE)
APPROXIMATE LIMITS
STA. 2+220 TO 2+300
STA. 2+494 TO 2+665

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

SCALE = N.T.S.

SIDEWALK (NO BUFFER)

APPROXIMATE LIMITS
STA. 2+083 TO 2+220 RT



PROPOSED SECTION IV

TRAVEL LANES, CURB OFFEST, CURB, BUFFER, AND SIDEWALK (NORTH SIDE ONLY)

APPROXIMATE LIMITS
STA. 2+300 TO 2+494
STA. 2+665 TO 4+009

SCALE: N.T.S.

NOTES:
1. SEE NOTES ON DWG. NO. TYP-01.
2. BUFFER INCREASED TO 900mm (35 7/16") BETWEEN STA. 3+056 & 3+262 AND STA. 3+450 & 3+570.

5 0 5 10 15 m
SCALE

wsp		CITY OF BEACON	
DATE: JANUARY 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: TYP-02
PE DB	DE SM PM DW	TYPICAL SECTION - 2	SCALE: AS SHOWN / SHEET 11 OF 105

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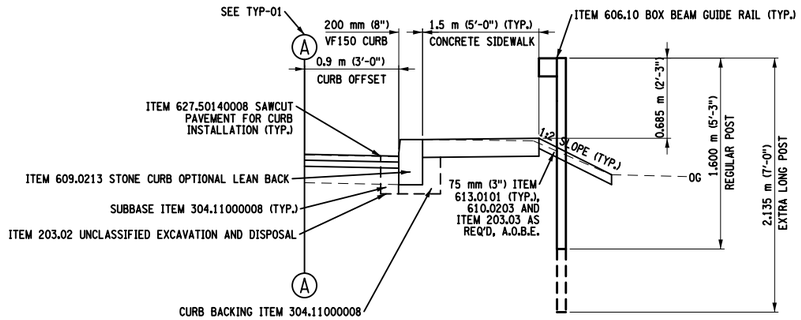
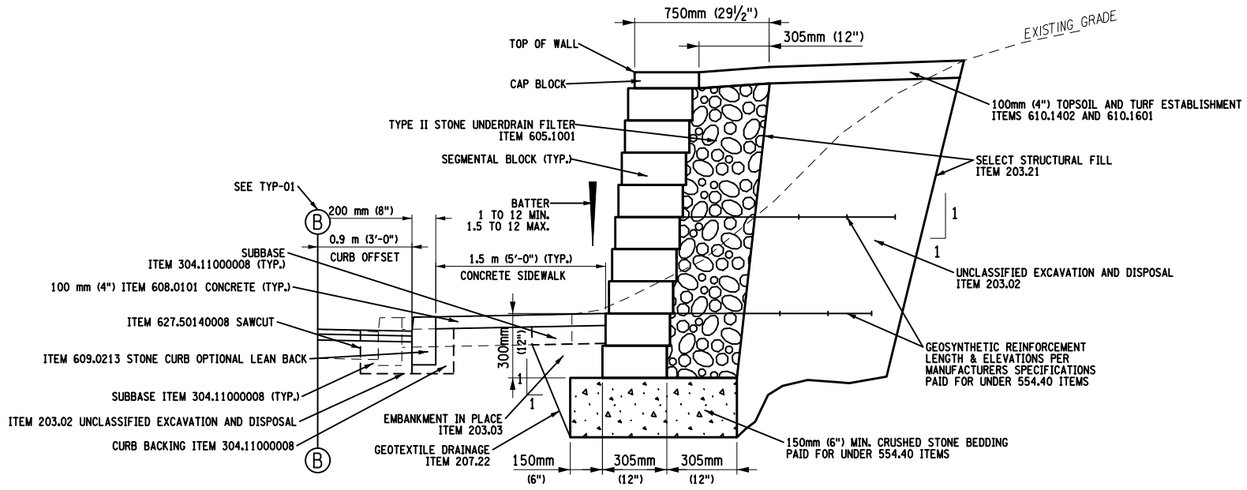


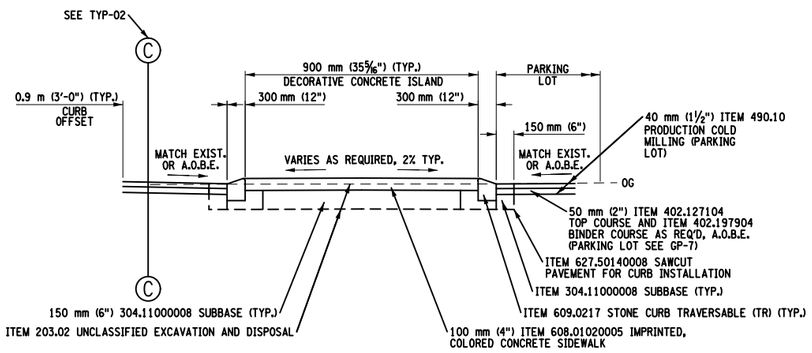
BOX BEAM GUIDE RAIL (RUSTIC)
BEHIND TYPE VF150 CURB

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



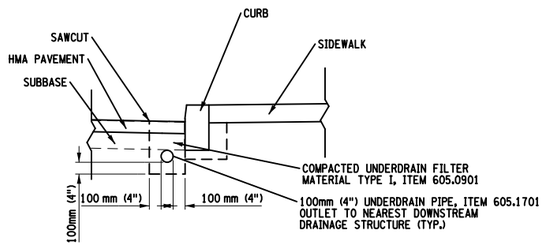
FILL TYPE RETAINING WALL TYPICAL SECTION
ITEM 554.40

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



DECORATIVE CONCRETE ISLAND
W/ TRAVERSABLE TR CURB

APPROXIMATE LIMITS
STA. 2+972 TO 3+303 RT
SCALE: N.T.S.



CURB WITH UNDERDRAIN

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

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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: TYP-03
PE DB	DE SM	PM DW	TYPICAL SECTION - 3	SCALE: AS SHOWN	SHEET 12 OF 105

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DATE/TIME = DGN$SYSTIME01234567890123456
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TABLE OF ROW ACQUISITIONS

	Section	Block	Lot	Map	Parcel	First Name	Last Name	Address	Lot Size (AC)	TYPE	AREA (SM)	AREA (SF)	AREA (AC)	%	REMARKS
PIN 8757.80	5954	44	944642	1	1	LAJ Beacon	LLC	916 Wolcott Avenue	0.45	FEE	8.045	86.5957	0.0020	0.96%	Reconstruct curb radius and sidewalk
					2					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
					4					PE	14.072	151.4730	0.0035		Sidewalk
	5954	44	941673	4	6	Nicholas	Spiak	25 Teller Avenue	0.12	PE	2.327	25.0476	0.0006	0.48%	Sidewalk
	5954	44	944677	5	7	29 TELLER AVENUE	LLC	29 Teller Avenue	0.12	FEE	17.230	185.4000	0.0043	6.34%	Sidewalk
					8					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	7.93%	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	0.0010	0.88%	Sidewalk
	6054	29	015786	8	12	Beacon 403	LLC	403 Main Street	0.13	FEE	36.147	389.0831	0.0089	6.87%	Sidewalk
PIN 8757.30	6054	29	023801	9	13	RCU	Inc.	145 Fishkill Avenue	0.20	FEE	5.196	55.9293	0.0013	2.29%	Reconstruct curb radius and sidewalk
					45					TE	13.335	143.5367	0.0033		Work Area and Sign Relocation
	6054	29	030795	10	14	Beacon United	LLC	390 Main Street	0.14	FEE	21.345	229.7557	0.0053	4.40%	Sidewalk
					15					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
	6054	29	041858	15	20	Sandra	Ahern	183 Fishkill Avenue	0.26	PE	6.971	75.0384	0.0017	0.66%	Sidewalk/Driveway
	6054	29	047864	16	21	Emily	De Cordova	189 Fishkill Avenue	0.30	PE	2.075	22.3362	0.0005	0.17%	Sidewalk/Driveway
	6054	29	077861	18	23	Patricia L	Mansperger	202 Fishkill Avenue	0.48	FEE	6.491	69.8664	0.0016	0.33%	Sidewalk/Driveway
	6054	29	076868	19	24	Luis	Yanqui	212 Fishkill Avenue	0.11	FEE	8.171	87.9551	0.0020	1.84%	Sidewalk/Driveway
	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
					47					TE	9.543	102.7178	0.0024		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
	6054	23	278953	30	36	Beacon Christian	Assembly	7 Delevan Avenue	0.73	FEE	17.598	189.4254	0.0043	0.60%	Sidewalk
	6054	23	295954	32	39	Beacon Christian	Assembly	Delevan Avenue	0.21	FEE	14.697	158.1972	0.0036	2.56%	Signal equipment
					40					PE	7.101	76.4345	0.0018		Sidewalk
	6055	72	458135	34	42	Gulio	Pistolesi	441 Fishkill Avenue	0.23	PE	39.329	423.3381	0.0097	4.23%	Sidewalk/restore HB
	6055	72	475162	35	43	Naomi Tandet	Shapiro Trust	451 Fishkill Avenue	2.50	FEE	98.371	1058.8556	0.0243	0.97%	Sidewalk/restore HB
	6054	29	020808	36	44	Dutchess Point II	LLC.	378-382 Main Street	0.35	PE	2.521	27.1390	0.0006	0.18%	Sidewalk/Driveway

5 0 5 10 15 m
SCALE

wsp

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

NO: RWT-01

ROW ACQUISITION TABLE

SCALE: AS SHOWN

SHEET 13 OF 105

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DATE/TIME = DGN$STIME@123456
USER = DGN$USERNAME

6" PERFORATED UNDERDRAIN LOCATION TABLE

SHARE	PLAN LOCATION	SIDE	APPROXIMATE STATION START	APPROXIMATE STATION END	LENGTH (METERS)	LENGTH (FEET)	CONNECTING STRUCTURE
SHARE 1	DUP-03	WEST	1+375	1+405	30	98	DR-20
	DUP-03	WEST	1+448	1+415	33	108	DR-22
	DUP-03	WEST	1+455	1+450	5	16	DR-23
	DUP-03	WEST	1+216	1+217	1	3	DR-24
	DUP-03	WEST	1+470	1+475	5	16	DR-31
	DUP-03 / 04	WEST	1+535	1+475	60	197	DR-31
	DUP-04	WEST	1+538	1+534	4	13	DR-34
	DUP-03	EAST	1+365	1+400	35	115	DR-19
	DUP-03	EAST	1+457	1+402	55	180	DR-19
	DUP-03	EAST	1+464	1+460	4	13	DR-24
	DUP-03	EAST	1+472	1+481	9	30	DR-32
	DUP-03 / 04	EAST	1+538	1+481	57	187	DR-32
SHARE 2	DUP-07	NORTH	2+080	2+120	40	131	DR-66
	DUP-07	NORTH	2+122	2+142	20	66	DR-67
	DUP-07	NORTH	2+150	2+143	7	23	DR-67
	DUP-07	NORTH	2+155	2+182	27	89	DR-77
	DUP-07	NORTH	2+229	2+183	46	151	DR-77
	DUP-07 / 08	NORTH	2+320	2+230	90	295	DR-80
	DUP-07	SOUTH	2+080	2+182	102	335	DR-72
	DUP-07	SOUTH	2+185	2+183	2	7	DR-73
	DUP-07 / 08	SOUTH	2+315	2+230	85	279	DR-79
	DUP-08 /09	NORTH	2+376	2+480	104	341	DR-82
	DUP-08 /09	SOUTH	2+376	2+480	104	341	DR-81
	DUP-09	NORTH	2+482	2+540	58	190	DR-85
	DUP-09	NORTH	2+575	2+542	33	108	DR-85
	DUP-09 / 10	NORTH	2+585	2+642	57	187	DR-86
	DUP-11 / 12	WEST	2+930	3+015	85	279	DR-91
	DUP-12	WEST	3+042	3+016	26	85	DR-91
	DUP-13	WEST	3+160	3+254	94	308	DR-97
	DUP-13	WEST	3+265	3+261	4	13	DR-101
	DUP-13	EAST	3+208	3+258	50	164	DR-98
	DUP-13	EAST	3+295	3+262	33	108	DR-98
	DUP-14	WEST	3+360	3+462	102	335	DR-109
	DUP-14	WEST	3+441	3+439	2	7	DR-110
	DUP-14	WEST	3+463	3+501	38	125	DR-112
	DUP-14	EAST	3+370	3+440	70	230	DR-107
	DUP-14	EAST	3+465	3+441	24	79	DR-107
	DUP-15	WEST	3+574	3+503	71	233	DR-112
	DUP-15	WEST	3+581	3+583	2	7	DR-115
	DUP-16	WEST	3+670	3+698	28	92	DR-118
	DUP-16	WEST	3+732	3+700	32	105	DR-118
	DUP-16	WEST	3+747	3+766	19	62	DR-123
	DUP-16 / 17	WEST	3+833	3+768	65	213	DR-123
	TOTAL LENGTH				1818	5963	

TABLE OF CURB

SHARE	STATION TO STATION STA.	Offset (M)	Offset (FT)	STA.	Offset (M)	Offset (FT)	SIDE	RADIUS	LENGTH (M)	LENGTH (FT)	PAY ITEM 609.0213 (M)	609.0213 (FT)	609.0407 (M)	609.0407 (FT)
SHARE 1	1+006.2	25.36	83.18	1+010.4	13.24	43.43	L	N/A	12.81	42.02	13	42	-	-
	1+010.4	12.24	40.15	1+019.0	7.09	23.26	L	9	11.14	36.54	11	37	-	-
	1+019.0	7.09	23.26	1+053.4	5.64	18.50	L	N/A	34.27	112.41	34	112	-	-
	1+053.4	5.64	18.50	1+056.8	8.78	28.80	L	3.1	5.2	17.06	5	17	-	-
	1+056.8	8.78	28.80	1+056.7	10.93	35.85	L	N/A	2.15	7.05	2	7	-	-
	1+012.1	13.06	42.84	1+019.2	5.22	17.12	R	7.5	11.76	38.57	12	39	-	-
	1+019.2	5.22	17.12	1+070.4	4.20	13.78	R	N/A	51.43	168.69	51	169	-	-
	1+070.4	4.20	13.78	1+073.3	6.85	22.47	R	3	4.34	14.24	4	14	-	-
	1+073.3	6.85	22.47	1+073.7	9.86	32.34	R	N/A	3.04	9.97	3	10	-	-
	1+65.31	8.31	27.26	1+071.0	5.63	18.47	L	2.89	5.69	18.66	6	19		
	1+071.0	5.06	16.60	1+128.1	5.47	17.94	L	N/A	57.06	187.16	57	187	-	-
	1+128.1	5.47	17.94	1+131.1	8.61	28.24	L	3	4.83	15.84	5	16	-	-
	1+131.1	8.61	28.24	1+130.9	11.90	39.03	L	N/A	3.31	10.86	3	11	-	-
	1+081.9	8.92	29.26	1+081.7	6.66	21.84	R	N/A	2.27	7.45	2	7	-	-
	1+081.7	6.66	21.84	1+083.7	4.54	14.89	R	2	3.29	10.79	3	11	-	-
	1+083.7	4.54	14.89	1+199.9	5.57	18.27	R	N/A	116.11	380.84	116	381	-	-
	1+199.9	5.57	18.27	1+201.9	7.50	24.60	R	2	3.08	10.10	3	10	-	-
	1+201.9	7.50	24.60	1+202.1	11.94	39.16	R	N/A	4.44	14.56	4	15	-	-
	1+139.3	11.99	39.33	1+139.5	8.41	27.58	L	N/A	3.58	11.74	4	12	-	-
	1+139.5	8.41	27.58	1+142.5	5.59	18.34	L	3	4.56	14.96	5	15	-	-
	1+142.5	5.59	18.34	1+201.8	6.12	20.07	L	N/A	59.4	194.83	59	195	-	-
	1+201.8	6.12	20.07	1+203.9	8.26	27.09	L	2	2.1	6.89	2	7		
	1+210.8	11.56	37.92	1+210.5	7.54	24.73	R	N/A	4.03	13.22	4	13	-	-
	1+210.5	7.54	24.73	1+212.5	5.44	17.84	R	2	3.22	10.56	3	11	-	-
	1+212.5	5.44	17.84	1+277.2	5.18	16.99	R	N/A	64.27	210.81	64	211	-	-
	1+277.2	5.18	16.99	1+280.3	7.93	26.01	R	3	4.56	14.96	5	15	-	-
	1+280.3	7.93	26.01	1+280.5	10.13	33.23	R	N/A	2.2	7.22	2	7	-	-
	1+211.5	7.62	24.99	1+215.4	5.63	18.47	L	3	3.9	12.79	4	13		
	1+215.4	5.63	18.47	1+273.0	4.31	14.14	L	N/A	57.86	189.78	58	190	-	-
	1+273.0	4.31	14.14	1+274.5	5.47	17.94	L	N/A	1.5	4.92	2	5		
	1+274.5	5.47	17.94	1+276.5	7.68	25.19	L	2	1.81	5.94	2	6		
	1+290.2	9.24	30.31	1+290.0	6.76	22.17	R	N/A	2.48	8.13	2	8	-	-
	1+290.0	6.76	22.17	1+292.1	4.65	15.25	R	2	3.31	10.86	3	11	-	-
	1+292.1	4.65	15.25	1+461.7	4.19	13.74	R	N/A	171.25	561.70	171	562	-	-
	1+461.7	4.19	13.74	1+463.7	6.50	21.32	R	2	3.46	11.35	3	11	-	-
	1+463.7	6.50	21.32	1+463.2	9.96	32.67	R	N/A	3.49	11.45	3	11	-	-
	1+286.6	7.41	24.30	1+289.3	5.73	18.79	L	3	2.7	8.86	3	9		
	1+289.3	5.73	18.79	1+293.9	4.75	15.58	L	N/A	4.6	15.09	5	15		
	1+293.9	4.75	15.58	1+364.0	5.18	16.99		N/A	69.32	227.37	69	227	-	-
	1+364.0	5.18	16.99	1+366.3	7.00	22.96	L	2	3.17	10.40	3	10	-	-
	1+366.3	7.00	22.96	1+366.7	10.78	35.36	L	N/A	3.79	12.43	4	12	-	-
	1+378.4	9.34	30.64	1+378.1	7.65	25.09	L	N/A	1.72	5.64	2	6	-	-
	1+378.1	7.65	25.09	1+380.1	5.30	17.38	L	2	3.39	11.12	3	11	-	-
	1+380.1	5.30	17.38	1+451.7	4.30	14.10	L	N/A	71.4	234.19	71	234	-	-
	1+451.7	4.30	14.10	1+454.6	6.63	21.75	L	3	4.04	13.25	4	13	-	-
	1+454.6	6.63	21.75	1+455.9	12.11	39.72	L	N/A	5.62	18.43	6	18	-	-
	1+470.6	8.80	28.86	1+474.7	3.89	12.76	L	4	7.18	23.55	7	24	-	-
	1+474.7	3.89	12.76	1+535.6	4.50	14.76	L	N/A	61.23	200.83	61	201	-	-
	1+535.6	4.50	14.76	1+539.5	7.72	25.32	L	4	5.46	17.91	5	18	-	-
	1+539.5	7.72	25.32	1+540.2	11.19	36.70	L	N/A	3.54	11.61	4	12	-	-
	1+472.8	11.05	36.24	1+473.5	6.71	22.01	R	N/A	4.29	14.07	4	14	-	-
	1+473.5	6.71	22.01	1+475.9	4.57	14.99	R	3	3.72	12.20	4	12	-	-
	1+475.9	4.57	14.99	1+529.5	5.70	18.70	R	N/A	53.54	175.61	54	176	-	-
	1+529.5	5.70	18.70	1+536.5	13.18	43.23	R	5.98	10.76	35.29	11	35	-	-
	1+536.5	12.18	39.95	1+536.4	13.60	44.61	R	N/A	0.43	1.41	0	1	-	-
	1+548.7	14.76	48.41	1+559.5	3.66	12.00	L	9	6.72	22.04	7	22	-	-
	1+559.5	3.66	12.00	1+561.1	3.69	12.10	L	N/A	1.61	5.28	2	5	-	-
	~~1+554.3~~	~~4.46~~	~~14.63~~	~~1+554.8~~	~~4.46~~	~~14.63~~	L	N/A	~~0.46~~	~~1.51~~	0	2	-	-
	1+544.4	15.62	51.23	1+546.0	8.37	27.45	R	N/A	7.42	24.34	7	24	-	-
	1+546.0	8.37	27.45	1+549.6	5.27	17.29	R	4	5.15	16.89	5	17	-	-
	1+549.6	6.23	20.43	1+580.0	5.84	19.16	R	N/A	31.46	103.19	31	103	-	-
SHARE 2	1+597.1	3.62	11.87	1+767.4	5.08	16.66	L	N/A	171.53	562.62	172	563	-	-
	1+767.4	5.08	16.66	1+792.0	13.05	42.80	R	56.2	24.6	80.69	25	81		
	1+792.0	3.98	13.05	1+803.9	11.39	37.36	R	12.5	14.98	49.13	15	49	-	-
	1+656.3	5.92	19.42	1+767.4	4.94	16.20	R	N/A	105.75	346.86	106	347	-	-
	1+767.4	4.88	16.01	1+785.4	4.90	16.07	L	54.88	18	59.04	18	59	-	-
	1+785.4	4.90	16.07	1+797.1	19.74	64.75	L	N/A	11.7	38.38	12	38	-	-
	1+809.1	16.99	55.73	1+823.3	3.92	12.86	L	14	21.3	69.86	21	70	-	-
	1+823.3	3.92	12.86	1+912.0	4.84	15.88	L	N/A	88.66	290.80	89	291	-	-

TABLE OF CURB (CONT.)

SHARE	STATION TO STATION STA.	Offset (M)	Offset (FT)	STA.	Offset (M)	Offset (FT)	SIDE	RADIUS	LENGTH (M) (M)	LENGTH (M) (FT)	PAY ITEM 609.0213 (M)	609.0213 (FT)	609.0407 (M)	609.0407 (FT)
	1+912.0	4.84	15.88	1+913.9	7.25	23.78	L	2	3.52	11.55	4	12	-	-
	1+913.9	7.25	23.78	1+913.3	9.89	32.44	L	N/A	2.7	8.86	3	9	-	-
	~~1+810.4~~	~~10.99~~	~~36.05~~	~~1+809.8~~	~~9.58~~	~~31.42~~	R	N/A	~~1.51~~	~~4.95~~	~~2~~	~~5~~	-	-
	1+809.8	9.58	31.42	1+813.7	4.64	15.22	R	4	7.23	23.71	+7.2	23.71	-	-
	1+822.7	4.64	15.22	1+876.2	4.57	14.99	R	N/A	52.84	173.32	53	173	-	-
	1+876.2	4.57	14.99	1+880.0	7.19	23.58	R	4	4.87	15.97	5	16	-	-
	1+880.0	7.19	23.58	1+881.1	10.31	33.82	R	N/A	3.33	10.92	3	11	-	-
	1+889.7	10.14	33.26	1+888.7	7.34	24.08	R	N/A	2.42	7.94	2	8	-	-
	1+888.7	7.34	24.08	1+890.6	4.64	15.22	R	2	3.87	12.69	4	13	-	-
	1+890.6	4.64	15.22	1+955.4	5.19	17.02	R	N/A	64.78	212.48	65	212	-	-
	1+955.4	5.19	17.02	1+956.5	6.48	21.25	R	2	2.35	7.71	2	8	-	-
	1+956.5	6.48	21.25	1+957.6	9.84	32.28	R	N/A	3.62	11.87	4	12		
	1+924.5	9.71	31.85	1+925.4	5.89	19.32	L	N/A	3.94	12.92	4	13	-	-
	1+925.4	5.89	19.32	1+927.4	4.39	14.40	L	2	2.64	8.66	3	9	-	-
	1+927.4	4.39	14.40	1+993.1	4.41	14.46	L	N/A	65.75	215.66	66	216	-	-
	1+993.1	4.41	14.46	1+995.6	6.73	22.07	L	2.5	4.41	14.46	4	14	-	-
	1+995.6	6.73	22.07	1+995.5	9.52	31.23	L	N/A	2.10	6.89	2	7	-	-
	1+966.3	9.50	31.16	1+965.5	7.39	24.24	R	N/A	2.25	7.38	2	7	-	-
	1+965.5	7.39	24.24	1+967.7	4.71	15.45	R	2	3.84	12.60	4	13	-	-
	1+968.3	4.71	15.45	2+033.2	4.61	15.12	R	N/A	64.98	213.13	65	213	-	-
	2+033.2	4.61	15.12	2+035.1	5.92	19.42	R	2	2.45	8.04	2	8	-	-
	2+035.1	5.92	19.42	2+036.6	9.93	32.57	R	N/A	4.27	14.01	4	14	-	-
	2+003.6	9.37	30.73	2+004.4	5.94	19.48	L	N/A	3.47	11.38	3	11	-	-
	2+004.4	5.94	19.48	2+006.3	4.39	14.40	L	2	2.66	8.72	3	9	-	-
	2+006.3	4.39	14.40	2+072.0	4.26	13.97	L	N/A	65.77	215.73	66	216	-	-
	2+072.0	4.26	13.97	2+074.0	6.58	21.58	L	2	3.44	11.28	3	11	-	-
	2+074.0	6.58	21.58	2+073.6	8.71	28.57	L	N/A	2.15	7.05	2	7	-	-
	2+045.6	9.95	32.64	2+044.5	7.03	23.06	R	N/A	3.18	10.43	3	10	-	-
	2+044.5	7.03	23.06	2+046.4	4.40	14.43	R	2	3.78	12.40	4	12	-	-
	2+046.4	4.40	14.43	2+183.1	5.41	17.74	R	N/A	133.31	437.26	133	437	-	-
	2+183.1	5.41	17.74	2+184.8	8.51	27.91	R	2	4.34	14.24	4	14	-	-
	2+184.8	8.51	27.91	2+183.5	10.49	34.41	R	N/A	2.38	7.81	2	8	-	-
	2+081.4	8.73	28.63	2+082.1	6.07	19.91	L	N/A	2.74	8.99	3	9	-	-
	2+082.1	6.07	19.91	2+084.0	4.57	14.99	L	2	2.6	8.53	3	9	-	-
	2+084.0	4.57	14.99	2+143.3	5.01	16.43	L	N/A	60.09	197.10	60	197	-	-
	2+143.3	5.01	16.43	2+146.7	11.34	37.20	L	4.5	8.73	28.63	9	29	-	-
	2+146.7	11.34	37.20	2+145.1	15.50	50.84	L	N/A	4.6	15.09	5	15	-	-
	2+150.3	18.92	62.06	2+156.1	8.50	27.88	L	N/A	12.69	41.62	13	42	-	-
	2+193.3	10.36	33.98	2+195.5	7.14	23.42	R	N/A	3.9	12.79	4	13	-	-
	2+195.5	7.14	23.42	2+199.2	5.18	16.99	R	4.5	4.31	14.14	4	14	-	-
	2+199.2	5.18	16.99	2+213.1	4.98	16.33	R	N/A	13.96	45.79	14	46	-	-
	2+213.1	4.98	16.33	2+218.0	11.48	37.65	R	5	9.44	30.96	9	31	-	-
	2+218.0	11.48	37.65	2+217.8	12.15	39.85	R	N/A	0.71	2.33	1	2	-	-
	2+227.0	15.31	50.22	2+228.1	12.06	39.56	R	N/A	3.44	11.28	3	11	-	-
	2+228.1	12.06	39.56	2+237.6	5.29	17.35	R	10	12.42	40.74	12	41	-	-
	2+237.6	5.29	17.35	2+310.2	5.06	16.60	R	N/A	73.13	239.87	73	240	-	-
	2+310.2	5.06	16.60	2+311.7	6.01	19.71	R	2	1.91	6.26	2	6	-	-
	2+311.7	6.01	19.71	2+313.3	8.78	28.80	R	N/A	3.22	10.56	3	11	-	-
	2+156.1	8.50	27.88	2+161.5	5.14	16.86	L	10	2.93	9.61	3	10	-	-
	2+161.5	5.14	16.86	2+330.0	5.55	18.20	L	N/A	168.5	552.68	169	553	-	-
	2+330.0	5.14	16.86	2+573.0	5.55	18.20	L	N/A	243	797.04	243	797	-	-
	2+573.0	5.55	18.20	2+576.0	8.13	26.67	L	3	4.3	14.10	4	14	-	-
	2+576.0	8.13	26.67	2+576.4	11.30	37.06	L	N/A	3.2	10.50	3	10	-	-
	2+321.7	8.73	28.63	2+323.8	5.87	19.25	R	N/A	3.61	11.84	4	12	-	-
	2+323.8	5.87	19.25	2+325.1	5.13	16.83	R	2	1.59	5.22	2	5	-	-
	2+325.1	5.13	16.83	2+435.21	5.02	16.47	R	N/A	110.11	361.16	110	361	-	-
	2+435.21	5.02	16.47	2+438.41	8.85	29.03	R	10.06	3.2	10.50	3	10		
	2+447.06	8.86	29.06	2+450.01	5.29	17.35	R	10.06	2.95	9.68	3	10		
	2+450.01	5.29	17.35	2+460.71	5.41	17.74	R	N/A	10.7	35.10	11	35		
	2+460.71	5.41	17.74	2+463.9	8.84	29.00	R	10.06	3.19	10.46	3	10		
	2+472.4	8.73	28.63	2+475.4	5.39	17.68	R	10.06	3	9.84	3	10		
	2+475.4	5.39	17.68	2+503.76	5.63	18.47	R	N/A	28.36	93.02	28	93		
	2+503.76	5.63	18.47	2+506.4	8.52	27.95	R	10.06	2.64	8.66	3	9		
	2+515.1	8.99	29.49	2+516.49	6.27	20.57	R	10.06	1.39	4.56	1	5		
	2+516.49	6.27	20.57	2+517.68	6.33	20.76	R	N/A	1.19	3.90	1	4		
	2+517.68	6.33	20.76	2+519.75	9.63	31.59	R	10.06	2.07	6.79	2	7		
	2+525.66	10.50	34.44	2+527.27	6.70	21.98	R	10.06	1.61	5.28	2	5		
	2+527.27	6.70	21.98	2+573.3	5.26	17.25	R	N/A	46.03	150.98	46	151		
	2+573.3	5.26	17.25	2+576.7	9.54	31.29	R	10	3.4	11.15	3	11	-	-
	2+576.7	9.54	31.29	2+576.7	9.99	32.77	R	N/A	0.46	1.51	0	2	-	-

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME01234567
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: MST-01

PE DB | DE SM | PM DW

MISCELLANEOUS TABLES

SCALE: AS SHOWN

SHEET 14 OF 105

TABLE OF CURB (CONT.)

SHARE	STATION TO STATION						SIDE	RADIUS	LENGTH		PAY ITEM			
	STA.	Offset		STA.	Offset						609.0213		609.0407	
		(M)	(FT)		(M)	(FT)			(M)	(FT)	(M)	(FT)	(M)	(FT)
SHARE 2	2+588.1	10.63	34.87	2+587.9	8.89	29.16	L	N/A	1.75	5.74	2	6	-	-
	2+587.9	8.89	29.16	2+590.9	5.50	18.04	L	3	5.1	16.73	5	17	-	-
	2+590.9	5.50	18.04	2+676.2	5.04	16.53	L	N/A	87.98	288.57	88	289	-	-
	2+676.2	5.04	16.53	2+680.4	7.79	25.55	L	4.5	5.36	17.58	5	18	-	-
	2+596.3	9.03	29.62	2+596.3	8.75	28.70	R	N/A	0.28	0.92	0	1	-	-
	2+596.3	8.75	28.70	2+599.4	5.61	18.40	R	3	5	16.40	5	16	-	-
	2+599.4	5.61	18.40	2+695.8	4.62	15.15	R	N/A	93.75	307.50	94	308	-	-
	2+695.8	4.62	15.15	2+697.8	5.93	19.45	R	2.1	2.48	8.13	2	8	-	-
	2+688.1	7.61	24.96	2+692.3	4.78	15.68	L	4.5	7.18	23.55	7	24	-	-
	2+692.3	4.78	15.68	2+803.1	4.70	15.42	L	N/A	109.25	358.34	109	358	-	-
	2+803.1	4.70	15.42	2+807.6	8.44	27.68	L	4.5	6.28	20.60	6	21	-	-
	2+727.7	4.46	14.63	2+960.1	3.96	12.99	R	N/A	235.13	771.23	235	771	-	-
	2+960.1	3.96	12.99	2+963.1	6.97	22.86	R	3	4.74	15.55	5	16	-	-
	2+815.9	9.38	30.77	2+820.0	4.53	14.86	L	4.5	6.43	21.09	6	21	-	-
	2+820.0	4.53	14.86	3+038.1	4.41	14.46	L	N/A	216.26	709.33	216	709	-	-
	3+038.1	4.41	14.46	3+041.9	6.99	22.93	L	4	4.82	15.81	5	16	-	-
	3+041.9	6.99	22.93	3+043.1	10.20	33.46	L	N/A	3.45	11.32	3	11	-	-
	2+972.2	4.59	15.06	2+972.9	3.91	12.82	R	0.7	2.2	7.22	-	-	2	7
	2+972.9	3.91	12.82	3+006.6	3.95	12.96	R	N/A	67.5	221.40	-	-	68	221
	3+006.6	3.95	12.96	3+007.3	4.62	15.15	R	0.7	2.2	7.22	-	-	2	7
	3+036.9	4.67	15.32	3+037.6	3.98	13.05	R	0.7	2.2	7.22	-	-	2	7
	3+037.6	3.98	13.05	3+093.9	4.04	13.25	R	N/A	113	370.64	-	-	113	371
	3+093.9	4.04	13.25	3+094.6	4.74	15.55	R	0.7	2.2	7.22	-	-	2	7
	3+053.2	10.39	34.08	3+053.0	9.77	32.05	L	N/A	0.65	2.13	1	2	-	-
	3+053.0	9.77	32.05	3+056.7	4.44	14.56	L	4	7.65	25.09	8	25	-	-
	3+056.7	4.44	14.56	3+262.0	4.78	15.68	L	N/A	205.32	673.45	205	673	-	-
	3+262.0	4.78	15.68	3+265.8	7.43	24.37	L	4	4.9	16.07	5	16	-	-
	3+108.3	4.76	15.61	3+109.0	4.06	13.32	R	0.7	2.2	7.22	-	-	2	7
	3+109.0	4.06	13.32	3+184.8	4.14	13.58	R	N/A	152	498.56	-	-	152	499
	3+184.8	4.14	13.58	3+185.5	4.85	15.91	R	0.7	2.2	7.22	-	-	2	7
	3+208.2	4.87	15.97	3+208.8	4.17	13.68	R	0.7	2.2	7.22	-	-	2	7
	3+208.8	4.17	13.68	3+246.7	4.21	13.81	R	N/A	76	249.28	-	-	76	249
	3+246.7	4.21	13.81	3+247.3	4.93	16.17	R	0.7	2.2	7.22	-	-	2	7
	3+248.7	4.90	16.07	3+249.4	4.21	13.81	R	0.7	2.2	7.22	-	-	2	7
	3+249.4	4.21	13.81	3+258.4	4.22	13.84	R	N/A	18	59.04	-	-	18	59
	3+258.4	4.22	13.84	3+259.1	4.92	16.14	R	0.7	2.2	7.22	-	-	2	7
	3+260.5	4.96	16.27	3+261.1	4.23	13.87	R	0.7	2.2	7.22	-	-	2	7
	3+261.1	4.32	14.17	3+302.7	4.27	14.01	R	N/A	83.5	273.88	-	-	84	274
	3+302.7	4.27	14.01	3+303.4	4.97	16.30	R	0.7	2.2	7.22	-	-	2	7
	3+276.8	7.44	24.40	3+280.6	4.81	15.78	L	4	4.9	16.07	5	16	-	-
	3+280.6	4.81	15.78	3+286.7	4.82	15.81	L	N/A	6.1	20.01	6	20	-	-
	3+286.7	4.82	15.81	3+290.4	7.42	24.34	L	4	4.85	15.91	5	16	-	-

TABLE OF CURB (CONT.)

SHARE	STATION TO STATION						SIDE	RADIUS	LENGTH (M)		PAY ITEM			
	STA.	Offset		STA.	Offset						609.0213		609.0407	
		(M)	(FT)		(M)	(FT)			(M)	(FT)	(M)	(FT)	(M)	(FT)
	~~3+290.4~~	~~7.42~~	~~24.34~~	~~3+293.2~~	~~14.86~~	~~48.74~~	~~L~~	N/A	~~7.93~~	~~26.01~~	~~8~~	~~26~~	-	-
	3+302.0	11.57	37.95	3+301.6	10.30	33.78	L	N/A	1.35	4.43	1	4	-	-
	3+301.6	10.30	33.78	3+305.3	4.85	15.91	L	4	7.78	25.52	8	26	-	-
	3+305.3	4.85	15.91	3+569.7	4.29	14.07	L	N/A	265.95	872.32	266	872	-	-
	3+569.7	4.29	14.07	3+573.7	9.45	31.00	L	4	6.43	21.09	6	21	-	-
	3+573.7	9.45	31.00	3+573.7	8.41	27.58	L	N/A	1.04	3.41	1	3	-	-
	3+319.5	7.06	23.16	3+319.5	6.56	21.52	R	N/A	0.5	1.64	1	2	-	-
	3+319.5	6.56	21.52	3+321.5	4.53	14.86	R	2	3.17	10.40	3	10	-	-
	3+321.5	4.53	14.86	3+321.6	4.53	14.86	R	N/A	0.06	0.20	0	0	-	-
	3+321.6	4.53	14.86	3+323.6	6.55	21.48	R	2	3.16	10.36	3	10	-	-
	3+323.6	6.55	21.48	3+323.6	7.09	23.26	R	N/A	0.55	1.80	1	2	-	-
	3+334.9	6.86	22.50	3+337.8	4.53	14.86	R	3	3.98	13.05	4	13	-	-
	3+337.8	4.53	14.86	3+345.5	4.53	14.86	R	N/A	7.72	25.32	8	25	-	-
	3+345.5	4.53	14.86	3+348.1	6.94	22.76	R	3	3.69	12.10	4	12	-	-
	3+356.1	6.96	22.83	3+358.8	4.53	14.86	R	3	3.91	12.82	4	13	-	-
	3+358.8	4.53	14.86	3+360.1	4.52	14.83	R	N/A	1.26	4.13	1	4	-	-
	3+360.1	4.52	14.83	3+363.1	7.21	23.65	R	3	4.36	14.30	4	14	-	-
	3+369.9	7.25	23.78	3+371.9	5.35	17.55	R	2	3.07	10.07	3	10	-	-
	3+371.9	5.35	17.55	3+463.7	5.04	16.53	R	N/A	90.23	295.95	90	296	-	-
	3+463.7	5.04	16.53	3+464.9	6.05	19.84	R	1.2	1.65	5.41	2	5	-	-
	3+472.7	6.06	19.88	3+483.9	5.02	16.47	R	1.2	1.7	5.58	2	6	-	-
	3+483.9	5.02	16.47	2+476.0	5.05	16.56	R	N/A	2.13	6.99	2	7	-	-
	3+581.4	9.38	30.77	3+581.4	7.70	25.26	L	N/A	1.69	5.54	2	6	-	-
	3+581.4	7.70	25.26	3+584.5	4.67	15.32	L	3	4.83	15.84	5	16	-	-
	3+584.5	4.67	15.32	3+726.7	4.71	15.45	L	N/A	142.19	466.38	142	466	-	-
	3+726.7	4.71	15.45	3+730.7	7.44	24.40	L	4.5	5.69	18.66	6	19	-	-
	3+655.6	5.45	17.88	3+657.6	5.27	17.29	R	N/A	2.08	6.82	2	7	-	-
	3+747.9	7.45	24.44	3+752.0	4.81	15.78	L	4.5	6.26	20.53	6	21	-	-
	3+747.5	4.81	15.78	3+747.9	4.81	15.78	L	N/A	0.88	2.89	1	3	-	-
	~~3+752.9~~	~~4.81~~	~~15.78~~	~~3+755.8~~	~~7.46~~	~~24.47~~	~~L~~	~~3~~	~~4.35~~	~~14.27~~	~~4~~	~~14~~	-	-
	~~3+763.2~~	~~7.46~~	~~24.47~~	~~3+766.2~~	~~4.89~~	~~16.04~~	~~L~~	~~3~~	~~4.3~~	~~14.10~~	4	~~14~~	-	-
	3+752.0	4.89	16.04	3+839.0	4.98	16.33	L	N/A	87.02	285.43	87	285	-	-
	3+839.0	4.98	16.33	3+840.8	6.05	19.84	L	2	2.19	7.18	2	7	-	-
	3+840.8	6.05	19.84	3+841.6	7.53	24.70	L	N/A	2.14	7.02	2	7	-	-
	3+856.2	7.48	24.53	3+860.3	4.85	15.91	L	4.5	5.47	17.94	5	18	-	-
	3+860.3	4.85	15.91	3+863.6	4.87	15.97	L	N/A	3.39	11.12	3	11	-	-
	3+863.6	4.87	15.97	3+866.5	7.28	23.88	L	3	4.1	13.45	4	13	-	-
	3+866.5	7.28	23.88	3+866.9	9.08	29.78	L	N/A	1.83	6.00	2	6	-	-
	~~3+876.5~~	~~9.15~~	~~30.01~~	~~3+876.9~~	~~7.37~~	~~24.17~~	~~L~~	~~N/A~~	~~1.83~~	~~6.00~~	~~2~~	~~6~~	-	-
	~~3+876.9~~	~~7.37~~	~~24.17~~	~~3+879.7~~	~~5.04~~	~~16.53~~	~~L~~	~~3~~	~~3.96~~	~~12.99~~	4	~~13~~	-	-
	~~3+879.7~~	~~5.04~~	~~16.53~~	4+009.1	~~5.16~~	~~16.92~~	~~L~~	N/A	~~129.4~~	424.43	~~129~~	424	-	-
										TOTALS:	4680.0	15330.0	540.0	1760.0

MAINTENANCE JURISDICTION TABLE

PART NO.	ROADWAY	LIMITS	FEATURES TO BE MAINTAINED	AGENCY	JURISDICTION
1	TELLER AVENUE (SR 52)	STA. 1+010 TO STA. 1+542	ALL ROADWAY FEATURES INCLUDING SNOW REMOVAL	CITY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81
2	FISHKILL AVENUE (SR 52)	STA. 1+542 TO STA. 15+97	ALL ROADWAY FEATURES INCLUDING SNOW REMOVAL	CITY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81
3	WOLCOTT AVENUE (SR 9D)	WITHIN PROJECT LIMITS	ALL ROADWAY FEATURES INCLUDING SNOW REMOVAL	NYSDOT	HIGHWAY LAW SEC. 12
4	FISHKILL AVENUE (SR 52)	STA. 1+542 TO STA. 15+97	ALL ROADWAY FEATURES INCLUDING NEW TRAFFIC SIGNAL AND SNOW REMOVAL	CITY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81
5	FISHKILL AVENUE (SR 52)	STA. 1+542 TO STA. 15+97	ALL ROADWAY FEATURES INCLUDING NEW TRAFFIC SIGNAL AND SNOW REMOVAL	CITY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81
6	FISHKILL AVENUE (SR 52)	STA. 1+542 TO STA. 15+97	ALL ROADWAY FEATURES INCLUDING SNOW REMOVAL	CITY OF BEACON	HIGHWAY LAW SEC. 10 SUBDIV. 24, SECT. 81

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wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: MST-02

PE DB | DE SM | PM DW

MISCELLANEOUS TABLES

SCALE: AS SHOWN

SHEET 15 OF 105

ALIGNMENT TABLE - FISHKILL AVE & TELLER AVE

CURVE	POINT	STATION	DELTA	R		T		L		NORTHING	EASTING	BEARING
				(M)	(FT)	(M)	(FT)	(M)	(FT)			
	POB	9+99.93								296127.080	194209.850	
	PC	10+88.56								296201.390	194258.150	N 31°43'48" E
	PC	10+88.56								296201.390	194258.150	N 31°43'48" E
C-1	PI	10+94.23	1°18'02"	500.00	1640.00	5.67	18.60	11.35	37.23	296206.140	194261.250	
	CC									296473.930	193838.970	
	PT	10+99.91								296210.970	194264.240	N 31°43'48" E
	PT	10+99.91								296210.970	194264.240	N 31°43'48" E
	PC	11+15.20								296223.980	194272.280	N 31°51'58" E
	PC	11+15.20								296223.980	194272.280	N 31°51'58" E
C-2	PI	11+18.77	0°08'11"	3000.00	9840.00	3.57	11.71	7.14	23.42	296227.010	194274.150	
	CC									294646.230	196823.890	
	PT	11+22.34								296230.040	194276.040	N 31°51'58" E
	PT	11+22.34								296230.040	194276.040	N 31°51'58" E
	PC	11+81.86								296280.600	194307.470	N 36°50'13" E
	PC	11+81.86								296280.600	194307.470	N 36°50'13" E
C-3	PI	12+03.56	4°58'15"	500.00	1640.00	21.70	71.18	43.38	142.29	296299.030	194318.920	
	CC									296016.630	194732.110	
	PT	12+25.24								296316.400	194331.940	N 36°50'13" E
	PT	12+25.24								296316.400	194331.940	N 36°50'13" E
	PC	12+70.35								296352.510	194358.980	N 38°38'44" E
	PC	12+70.35								296352.510	194358.980	N 38°38'44" E
C-4	PI	12+78.24	1°48'31"	500.000	1640.000	7.890	25.879	15.780	51.758	296358.820	194363.720	
	CC									296052.740	194759.160	
	PT	12+86.14								296364.990	194368.640	N 38°38'44" E
	PT	12+86.14								296364.990	194368.640	N 38°38'44" E
	PC	13+39.72								296406.840	194402.110	N 23°18'22" E
	PC	13+39.72								296406.840	194402.110	N 23°18'22" E
C-5	PI	13+66.65	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	13+93.26								296452.610	194429.580	N 23°18'22" E
	PT	13+93.26								296452.610	194429.580	N 23°18'22" E
	PC	14+67.12								296520.430	194458.800	N 24°57'39" E

ALIGNMENT TABLE - FISHKILL AVE & TELLER AVE (Continued)

CURVE	POINT	STATION	DELTA	R		T		L		NORTHING	EASTING	BEARING
				(M)	(FT)	(M)	(FT)	(M)	(FT)			
	PC	14+67.12								296520.430	194458.800	N 24°57'39" E
C-6	PI	14+75.78	1°39'16"	600.00	1968.00	8.66	28.40	17.33	56.84	296528.390	194462.230	
	CC									296283.050	195009.840	
	PT	14+84.44								296536.240	194465.890	N 24°57'39" E
	PT	14+84.44								296536.240	194465.890	N 24°57'39" E
	PC	15+48.51								296594.330	194492.920	N 21°34'56" E
	PC	15+48.51								296594.330	194492.920	N 21°34'56" E
C-7	PI	15+57.36	3°22'42"	300.00	984.00	8.85	29.03	17.69	58.02	296602.350	194496.660	
	CC									296720.930	194220.940	
	PT	15+66.20								296610.580	194499.910	N 21°34'56" E
	PT	15+66.20								296610.580	194499.910	N 21°34'56" E
	PC	A 10+17.22								296744.700	194552.970	N 40°58'18" E
	PC	A 10+17.22								296744.700	194552.970	N 40°58'18" E
C-8	PI	A 10+49.36	19°23'22"	188.00	616.64	32.13	105.39	63.65	208.77	296774.580	194564.790	
	CC									296675.520	194727.870	
	PCC	A 10+80.87								296798.840	194585.860	N 40°58'18" E
	PCC	17+73.83								296798.840	194585.860	N 40°58'18" E
C-9	PI	17+79.42	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	17+90.96								296809.620	194599.060	N 60°35'56" E
	PT	17+90.96								296809.620	194599.060	N 60°35'56" E
	PC	18+42.10								296834.720	194643.610	N 60°00'15" E
	PC	18+42.10								296834.720	194643.610	N 60°00'15" E
C-10	PI	18+47.29	0°35'41"	1000.00	3280.00	5.19	17.02	10.38	34.05	296837.270	194648.130	
	CC									297705.930	194152.690	
	PT	18+52.48								296839.870	194652.630	N 60°00'15" E
	PT	18+52.48								296839.870	194652.630	N 60°00'15" E
	PC	19+08.78								296868.010	194701.390	N 60°42'21" E
	PC	19+08.78								296868.010	194701.390	N 60°42'21" E
C-11	PI	19+13.07	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	19+17.36								296872.260	194708.840	N 60°42'21" E
	PT	19+17.36								296872.260	194708.840	N 60°42'21" E
	PC	21+05.89								296964.500	194873.260	N 66°58'04" E

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wsp		CITY OF BEACON	
DATE: JANUARY 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: ALT-01
PE DB	DE SM PM DW	ALIGNMENT TABLES	SCALE: AS SHOWN
			SHEET 16 OF 105

ALIGNMENT TABLE - FISHKILL AVE & TELLER AVE (Continued)

CURVE	POINT	STATION	DELTA	R		T		L		NORTHING	EASTING	BEARING
				(M)	(FT)	(M)	(FT)	(M)	(FT)			
	PC	21+05.89								296964.500	194873.250	N 66°58'04" E
C-12	PI	21+14.09	6°15'43"	150.00	492.00	8.21	26.93	16.39	53.76	296968.520	194880.420	
	CC									296833.680	194946.650	
	PT	21+22.28								296971.730	194887.970	N 66°58'04" E
	PT	21+22.28								296971.730	194887.970	N 66°58'04" E
	PC	21+40.06								296978.680	194904.340	S 83°56'19" E
	PC	21+40.06								296978.680	194904.340	S 83°56'19" E
C-13	PI	21+53.04	29°05'37"	50.00	164.00	12.97	42.54	25.39	83.28	296983.760	194916.280	
	CC									296932.670	194923.900	
	PT	21+65.45								296982.390	194929.180	S 83°56'19" E
	PT	21+65.45								296982.390	194929.180	S 83°56'19" E
	PC	22+05.85								296978.120	194969.350	S 80°46'44" E
	PC	22+05.85								296978.120	194969.350	S 80°46'44" E
C-14	PI	22+33.43	3°09'35"	1000.00	3280.00	27.58	90.46	55.15	180.89	296975.210	194996.780	
	CC									295983.720	194863.750	
	PT	22+61.00								296970.790	195024.030	S 80°46'44" E
	PT	22+61.00								296970.790	195024.030	S 80°46'44" E
	PC	22+85.96								296966.790	195048.640	N 76°38'54" E
	PC	22+85.96								296966.790	195048.640	N 76°38'54" E
C-15	PI	23+15.89	22°34'21"	150.00	492.00	29.94	98.20	59.09	193.82	296962.000	195078.190	
	CC									297114.860	195072.670	
	PT	23+45.05								296968.910	195107.310	N 76°38'54" E
	PT	23+45.05								296968.910	195107.310	N 76°38'54" E
	PC	24+93.12								297003.100	195251.380	N 47°48'41" E
	PC	24+93.12								297003.100	195251.380	N 47°48'41" E
C-16	PI	25+22.68	28°50'14"	115.00	377.20	29.57	96.99	57.88	189.85	297009.930	195280.140	
	CC									297114.990	195224.820	
	PT	25+51.00								297029.790	195302.050	N 47°48'41" E
	PT	25+51.00								297029.790	195302.050	N 47°48'41" E
	PC	26+00.47								297063.010	195338.700	N 74°02'15" E
	PC	26+00.47								297063.010	195338.700	N 74°02'15" E
C-17	PI	26+23.76	26°13'35"	100.00	328.00	23.29	76.39	45.77	150.13	297078.650	195355.950	
	CC									296988.910	195405.860	
	PT	26+46.24								297085.060	195378.350	N 74°02'15" E

ALIGNMENT TABLE - FISHKILL AVE & TELLER AVE (Continued)

CURVE	POINT	STATION	DELTA	R		T		L		NORTHING	EASTING	BEARING
				(M)	(FT)	(M)	(FT)	(M)	(FT)			
	PT	26+46.24								297085.060	195378.360	N 74°02'15" E
	PC	27+01.33								297100.210	195431.330	N 52°52'05" E
	PC	27+01.33								297100.210	195431.330	N 52°52'05" E
C-18	PI	27+34.03	21°10'10"	175.00	574.00	32.70	107.26	64.66	212.08	297109.200	195462.770	
	CC									297268.460	195383.200	
	PT	27+65.99								297128.940	195488.840	N 52°52'05" E
	PT	27+65.99								297128.940	195488.840	N 52°52'05" E
	PC	28+42.80								297175.310	195550.080	N 29°11'40" E
	PC	28+42.80								297175.310	195550.080	N 29°11'40" E
C-19	PI	29+05.68	23°40'26"	300.00	984.00	62.87	206.21	123.96	406.59	297213.270	195600.210	
	CC									297414.490	195368.980	
	PT	29+66.76								297268.150	195630.880	N 29°11'40" E
	PT	29+66.76								297268.150	195630.880	N 29°11'40" E
	PC	33+73.65								297623.360	195829.350	N 47°01'27" E
	PC	33+73.65								297623.360	195829.350	N 47°01'27" E
C-20	PI	34+07.38	17°49'47"	215.00	705.20	33.73	110.63	66.91	219.46	297652.800	195845.800	
	CC									297518.490	196017.040	
	PT	34+40.56								297675.790	195870.470	N 47°01'27" E
	PT	34+40.56								297675.790	195870.470	N 47°01'27" E
	PC	38+72.79								297970.440	196186.710	N 48°46'57" E
	PC	38+72.79								297970.440	196186.710	N 48°46'57" E
C-21	PI	39+03.48	1°45'30"	2000.00	6560.00	30.69	100.66	61.37	201.29	297991.360	196209.170	
	CC									296507.160	197550.090	
	PT	39+34.17								298011.580	196232.250	N 48°46'57" E
	PT	39+34.17								298011.580	196232.250	N 48°46'57" E
	PC	40+75.67								298104.830	196338.700	N 44°44'31" E
	PC	40+75.67								298104.830	196338.700	N 44°44'31" E
C-22	PI	40+86.25	4°02'26"	300.00	984.00	10.58	34.70	21.16	69.40	298111.800	196346.660	
	CC									298330.490	196141.020	
	PT	40+96.83								298119.310	196354.100	N 44°44'31" E
	PT	40+96.83								298119.310	196354.100	N 44°44'31" E
	POE	42+00.14								298192.700	196426.830	

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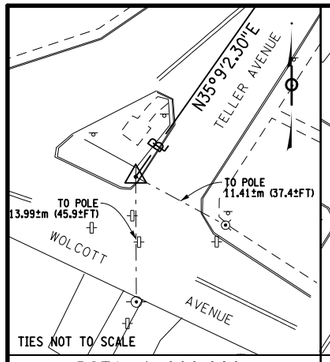
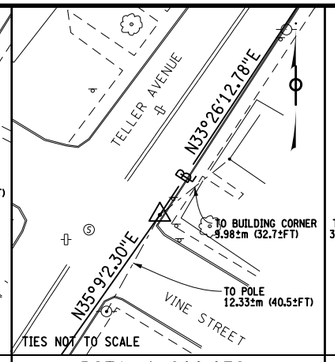
CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: ALT-02
PE DB	DE SM	PM DW	ALIGNMENT TABLES	SCALE: AS SHOWN
				SHEET 17 OF 105



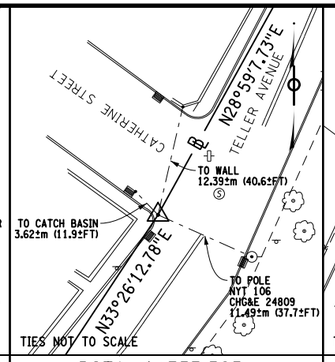
℄STA. 1+000.000
℄-21 IRS

N: 296138.864m
E: 194213.272m



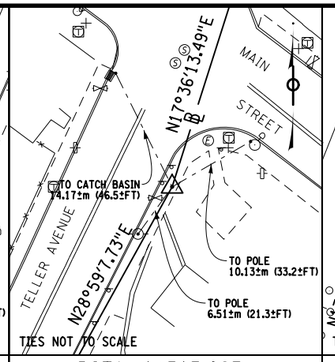
℄STA. 1+200.072
℄-20 X-CUT

N: 296302.451m
E: 194328.459m



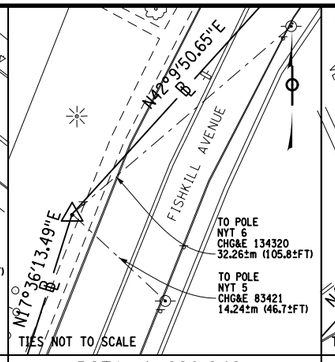
℄STA. 1+353.595
℄-19 PKS

N: 296430.565m
E: 194413.053m



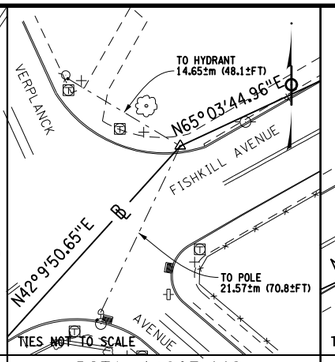
℄STA. 1+513.083
℄-18 X-CUT

N: 296570.076m
E: 194490.339m



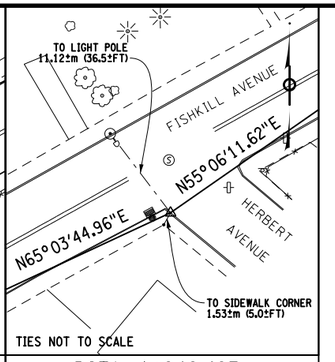
℄STA. 1+698.242
℄-17 SPK

N: 296746.564m
E: 194546.337m



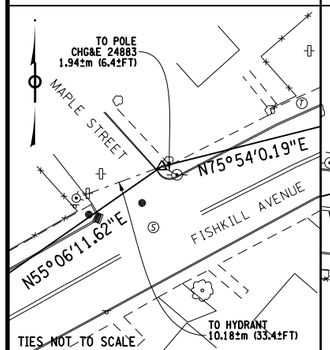
℄STA. 1+807.446
℄-16 X-CUT

N: 296827.509m
E: 194619.641m



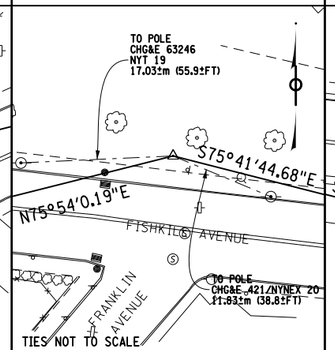
℄STA. 1+946.497
℄-15 X-CUT

N: 296886.137m
E: 194745.728m



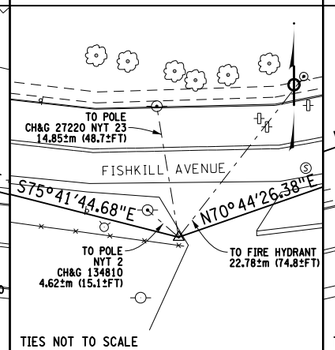
℄STA. 2+073.047
℄-14 X-CUT

N: 296958.536m
E: 194849.522m



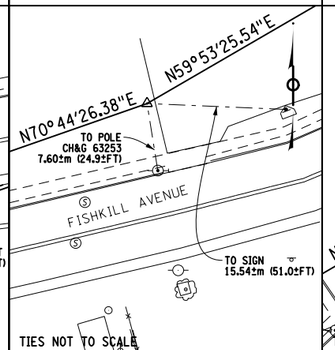
℄STA. 2+183.426
℄-13 --

N: 296985.426m
E: 194956.576m



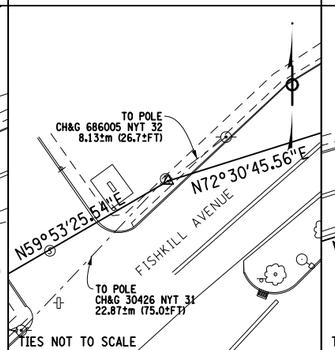
℄STA. 2+306.881
℄-12 SPK

N: 296954.924m
E: 195076.203m



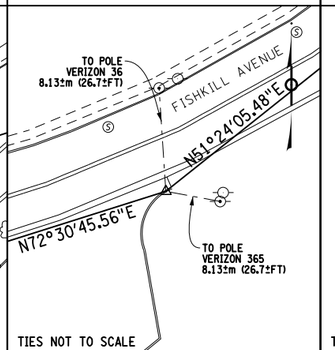
℄STA. 2+488.976
℄-11 SPK

N: 297014.987m
E: 195248.107m



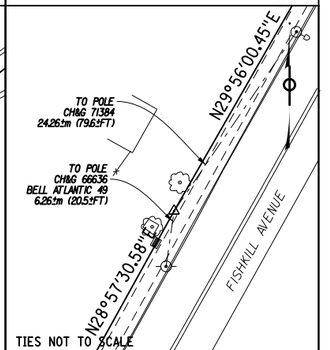
℄STA. 2+586.391
℄-10 X-CUT

N: 297063.856m
E: 195332.378m



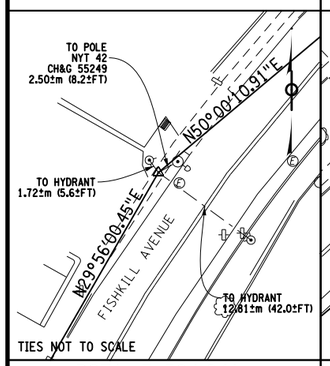
℄STA. 2+717.964
℄-9 X-CUT

N: 297103.393m
E: 195457.870m



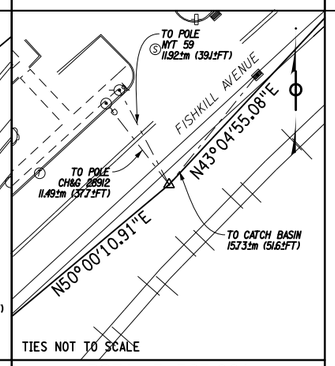
℄STA. 3+207.130
℄-6 PKS

N: 297486.785m
E: 195744.216m



℄STA. 3+394.241
℄-5 DH

N: 297648.936m
E: 195837.583m



℄STA. 3+563.881
℄-4 PKF

N: 297757.972m
E: 195967.541m

TABLE OF VERTICAL CONTROL				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
21	296138.864	194213.272	49.611	IRS
20	296302.451	194328.459	44.670	X-CUT
19	296430.565	194413.053	40.758	PKS
18	296570.076	194490.339	43.448	X-CUT
17	296746.564	194546.337	46.681	SPK
16	296827.509	194619.641	49.843	X-CUT
15	296886.137	194745.728	46.507	X-CUT
14	296958.536	194849.522	42.960	X-CUT
13	296985.426	194956.576	42.365	--
12	296954.924	195076.203	45.127	SPK
11	297014.987	195248.107	45.772	SPK
10	297063.856	195332.378	46.748	X-CUT
9	297103.393	195457.870	50.779	X-CUT
6	297486.785	195744.216	54.700	PKS
5	297648.936	195837.583	55.850	DH
4	297757.972	195967.541	53.383	PKF

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CITY OF BEACON

DATE: JANUARY 2023

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

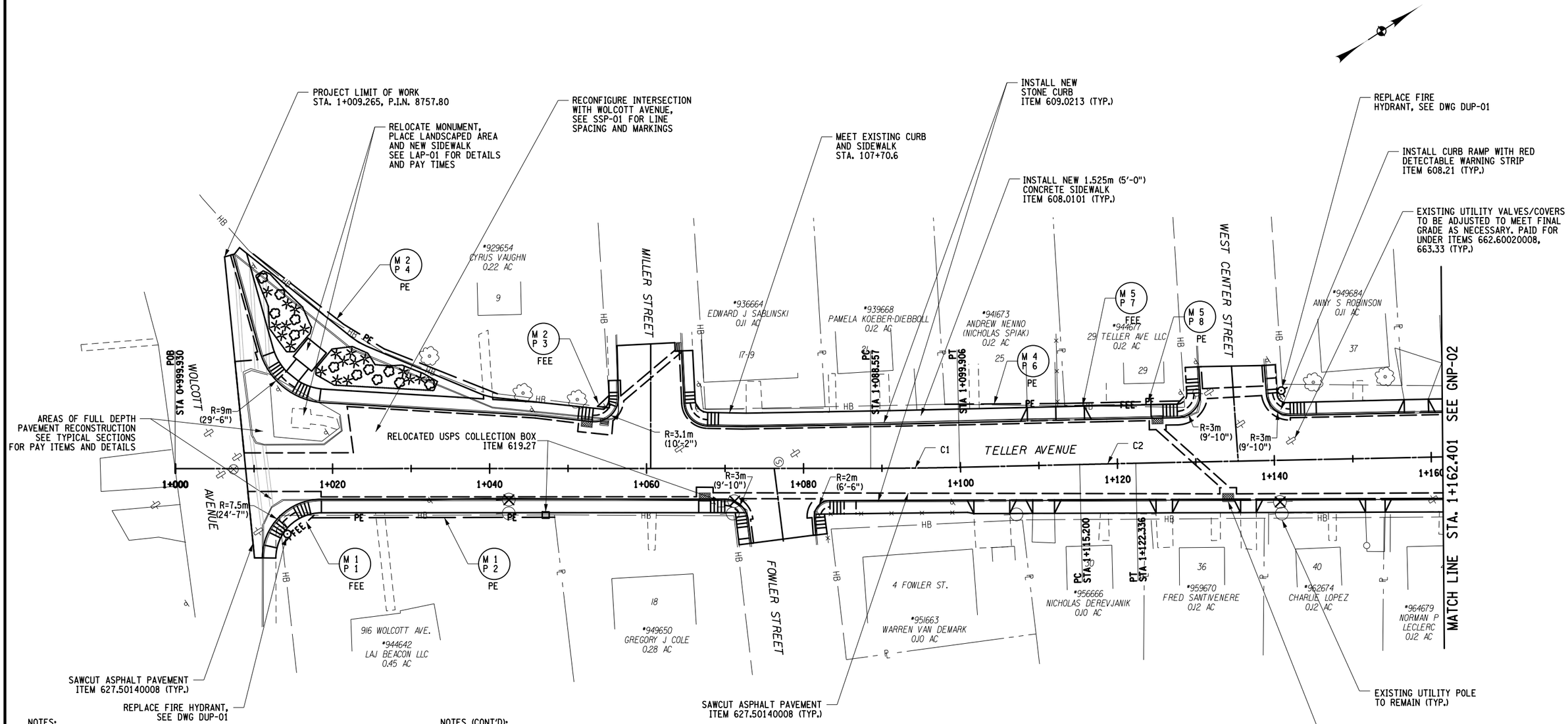
NO: BLT-01

PE DB | DE SM | PM DW

BASELINE TIES

SCALE: AS SHOWN

SHEET 18 OF 105



NOTES:

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

NOTES (CONT'D):

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL ELEVATIONS AND DIMENSIONS TO ENSURE THAT WHERE EXISTING CURB RAMPS ARE BEING REPALCED, THE FINAL LAYOUT OF CURB RAMPS, TURNING SPACES, CLEAR SPACES, SIDE FLARES, DETECTABLE WARNING UNITS, AND CURB INSTALLATIONS MEET ADA REQUIREMENTS PRIOR TO POURING CONCRETE AND PLACING ASPHALT OR PAVERS. THE SURVEY WORK NECESSARY TO MEET THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF ITEM 625.01 - SURVEY OEPRATIONS.

CURVE 1	
R	500m (1640'-5")
'e'	MATCH EXIST.
PC	1+088.557
PT	1+099.906

CURVE 2	
R	3000m (9842'-6")
'e'	MATCH EXIST.
PC	1+115.200
PT	1+122.336

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: GNP-01

PE DB | DE SM | PM DW

GENERAL PLANS

SCALE: AS SHOWN

SHEET 19 OF 105

FILE NAME = DDN$SPEC01234567890123456789012345678901234
DATE/TIME = DDN$STIME0123456
USER = DDN$USERNAME

MEET EXISING CURB AND SIDEWALK
STA. 1+201.3, STA. 1+214.9

INSTALL NEW DRAINAGE
STRUCTURE, SEE DP-02 (TYP.)

INSTALL NEW
STONE CURB
ITEM 609.0213 (TYP.)

SAWCUT ASPHALT PAVEMENT
ITEM 627.50140008 (TYP.)

INSTALL NEW 1.525 m
CONCRETE SIDEWALK
ITEM 608.0101 (TYP.)

MEET EXISING CURB AND SIDEWALK
STA. 1+272.7, STA. 1+293.5

EXISTING UTILITY VALVES/COVERS
TO BE ADJUSTED TO MEET FINAL
GRADE AS NECESSARY. PAID FOR
UNDER ITEMS 662.60020008,
663.33 (TYP.)

SEE GNP-01

MATCH LINE STA. 1+162.401

*952688
ANDREW G NASCA
0J2 AC
39

*954693
ROBERT J HENDERSON
0J2 AC
45

*959697
CHARLOTTE MASKER
0J3 AC
49

*963706
CC&J LLC.
0.27 AC
55

*968715
JOHN G HOLMES
0.31 AC
67

*976726
ERWIN D STRASSBERG
0.29 AC
73

*981731
KEVIN C ZAMUDIO
0.20 AC
81

VINE STREET

ROMBOUT AVENUE

TELLER AVENUE

R=2m (6'-6")
R=3m (9'-10")
C3
C4

1+180
1+200
1+220
1+240
1+260
1+280
1+300
1+320
1+340

PC STA 1+181.860
PT STA 1+225.238
PC STA 1+270.353
PT STA 1+286.135
PC STA 1+339.720

*964679
NORMAN P
LECLERC
0J2 AC
46

*967683
TREVOR SAMAROO
0J3 AC
50

*970686
THOMAS KENT JR.
0J4 AC
58

*976696
STEPHEN BURNS
0J3 AC
60

*980701
TRAVIS W FISHER
0.223 AC

281 ROMBOUT AVE.

*985708
MARI ANN CORSI
0J95 AC

*991718
GEORGE ALTOMARE
0J0 AC
76

*994721
DDNG REALTY LLC
0J1 AC
80

*997726
RYAN BIRACREE
0J1 AC
82

M 6
P 10
PE

M 6
P 9
FEE

INSTALL CURB RAMP WITH RED
DETECTABLE WARNING STRIP
ITEM 608.21 (TYP.)

INSTALL RETAINING WALL
AT BACK EDGE OF PROPOSED
SIDEWALK, SEE PAY ITEMS
AND DETAILS ON TYP-03

INSTALL NEW MANHOLE (TYP.)
SEE DP-02

UTILITY POLE TO
BE RELOCATED BY
OTHERS (TYP.)

INSTALL NEW
STONE CURB
ITEM 609.0213 (TYP.)

INSTALL NEW 1.525 m
CONCRETE SIDEWALK
ITEM 608.0101 (TYP.)

MATCH LINE STA. 1+342.408

SEE GNP-03

CURVE 3	
R	500m (1640'-5")
'e'	MATCH EXIST.
PC	1+181.860
PT	1+225.238

CURVE 4	
R	500m (1640'-5")
'e'	MATCH EXIST.
PC	1+270.353
PT	1+286.135

5 0 5 10 15 m
SCALE

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CITY OF BEACON

DATE: JANUARY 2023

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

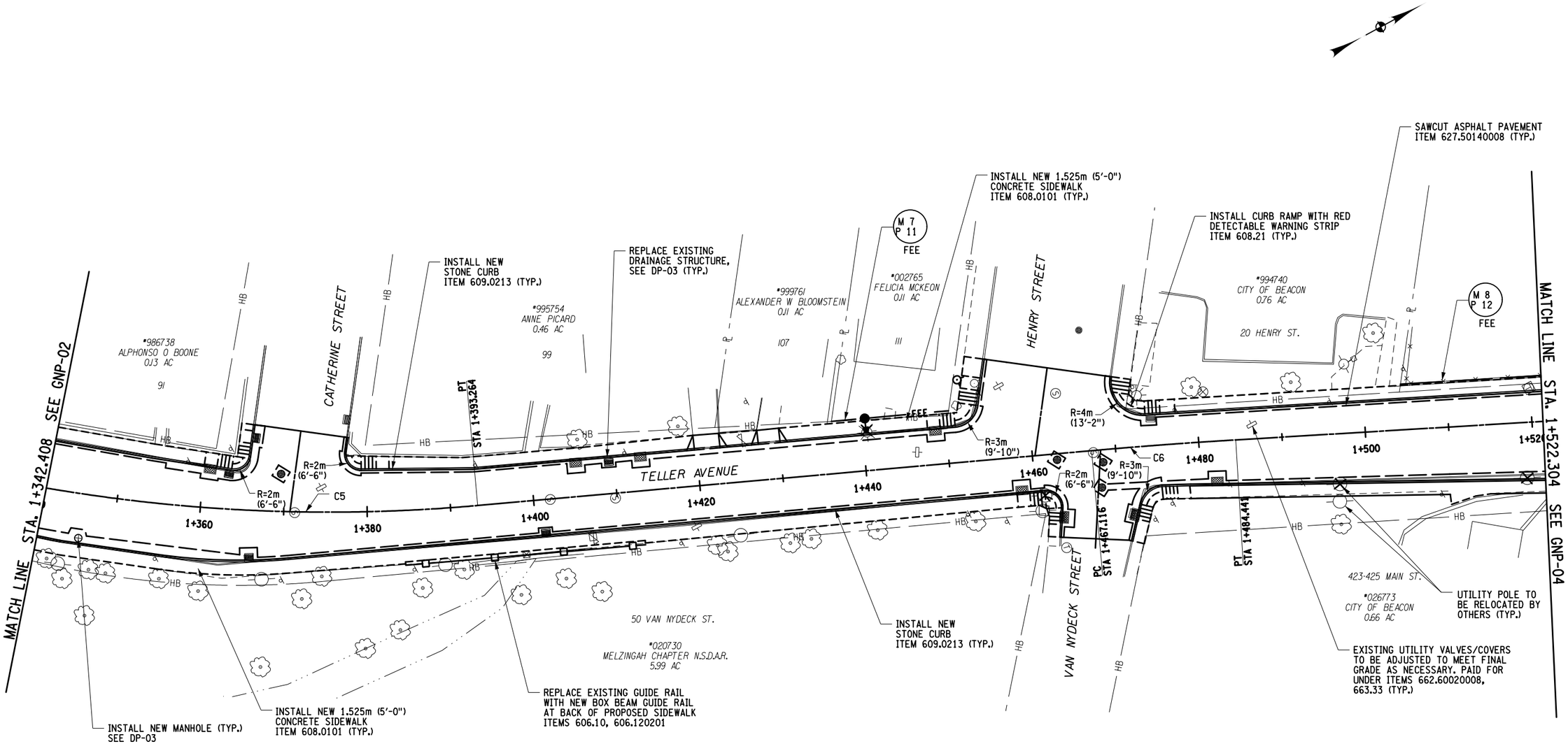
NO: GNP-02

PE DB DE SM PM DW

GENERAL PLANS

SCALE: AS SHOWN

SHEET 20 OF 105



CURVE 5	
R	200m (656'-2")
'e'	MATCH EXIST.
PC	1+339.720
PT	1+393.264

CURVE 6	
R	600m (1968'-6")
'e'	MATCH EXIST.
PC	1+467.116
PT	1+484.441

5 0 5 10 15 m
SCALE

wsp

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

NO: GNP-03

GENERAL PLANS

SCALE: AS SHOWN

SHEET 21 OF 105

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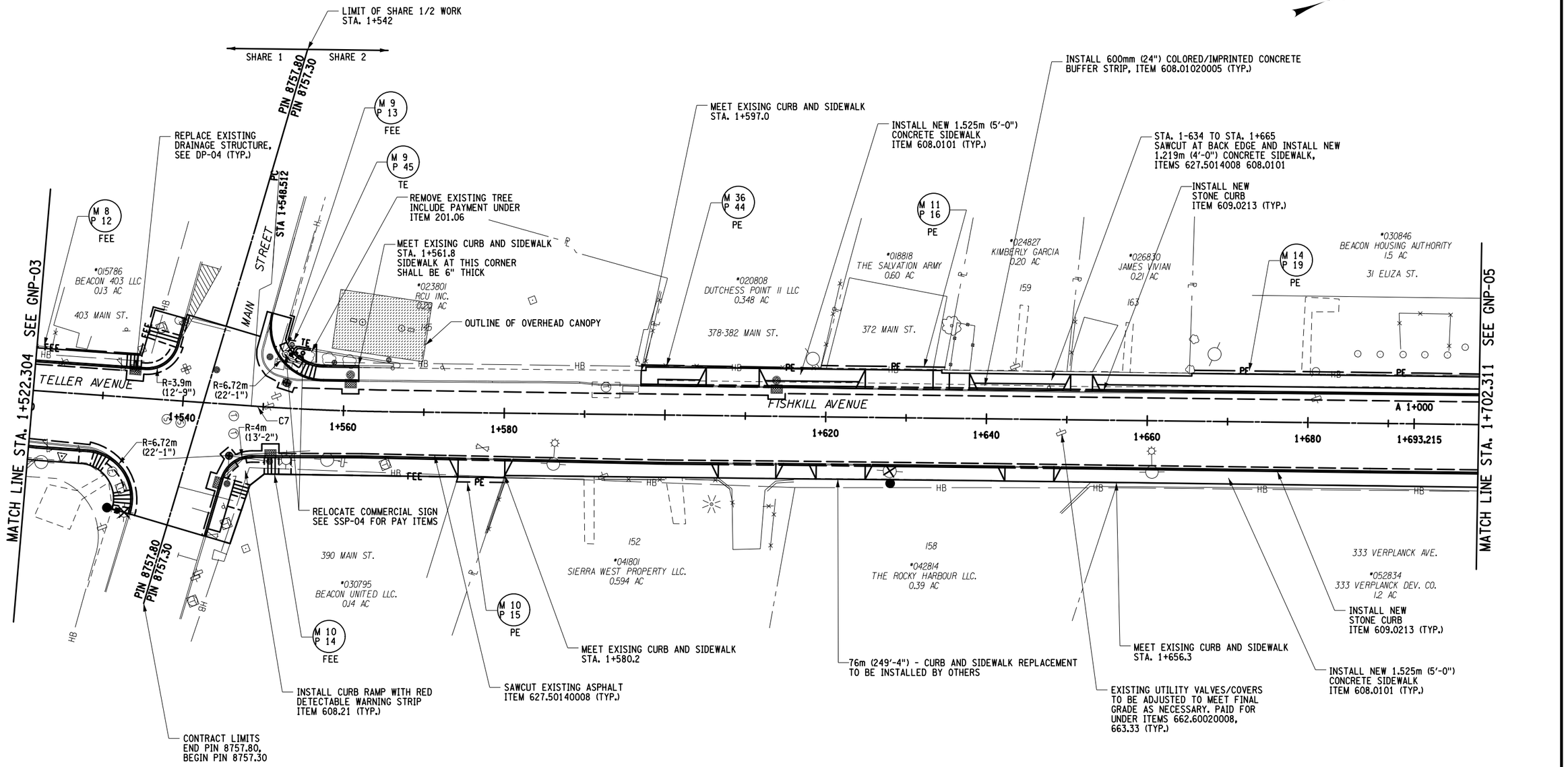

NOTES:

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

CURVE 7	
R	300m (984'-3")
'e'	MATCH EXIST.
PC	1+548.512
PT	1+566.201

5 0 5 10 15 m
SCALE

wsp

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

NO: GNP-04

GENERAL PLANS

SCALE: AS SHOWN

SHEET 22 OF 105

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
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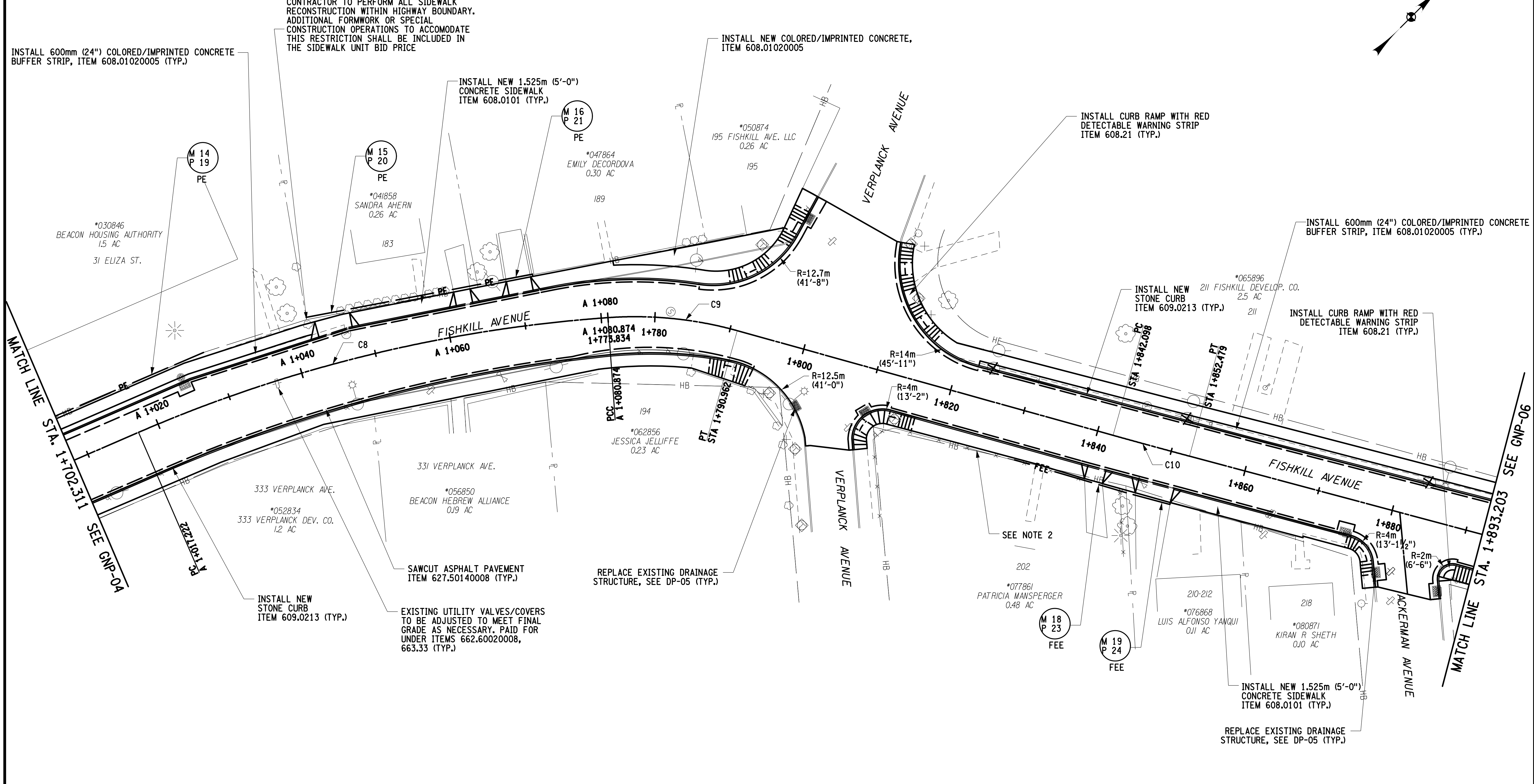
USER = DGN$USERNAME

NOTES:

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



CONTRACTOR TO PERFORM ALL SIDEWALK RECONSTRUCTION WITHIN HIGHWAY BOUNDARY. ADDITIONAL FORMWORK OR SPECIAL CONSTRUCTION OPERATIONS TO ACCOMODATE THIS RESTRICTION SHALL BE INCLUDED IN THE SIDEWALK UNIT BID PRICE
INSTALL 600mm (24") COLORED/IMPRINTED CONCRETE BUFFER STRIP, ITEM 608.01020005 (TYP.)
INSTALL NEW COLORED/IMPRINTED CONCRETE, ITEM 608.01020005
INSTALL NEW 1.525m (5'-0") CONCRETE SIDEWALK ITEM 608.0101 (TYP.)
INSTALL CURB RAMP WITH RED DETECTABLE WARNING STRIP ITEM 608.21 (TYP.)
INSTALL 600mm (24") COLORED/IMPRINTED CONCRETE BUFFER STRIP, ITEM 608.01020005 (TYP.)
INSTALL NEW STONE CURB ITEM 609.0213 (TYP.)
INSTALL CURB RAMP WITH RED DETECTABLE WARNING STRIP ITEM 608.21 (TYP.)
M 14 P 19 PE
M 15 P 20 PE
M 16 P 21 PE
*030846 BEACON HOUSING AUTHORITY 1.5 AC
31 ELIZA ST.
*041858 SANDRA AHERN 0.26 AC
183
*047864 EMILY DECORDOVA 0.30 AC
189
*050874 195 FISHKILL AVE. LLC 0.26 AC
195
VERPLANCK AVENUE
R=12.7m (41'-8")
*065896 211 FISHKILL DEVELOP. CO. 2.5 AC
211
FISHKILL AVENUE
A 1+080
A 1+080.874 1+773.834
1+780
C9
C8
A 1+060
A 1+040
A 1+020
MATCH LINE STA. 1+702.311 SEE GNP-04
1+800
R=12.5m (41'-0")
R=14m (45'-11")
R=4m (13'-2")
1+820
PC STA 1+842.098
PT STA 1+852.479
1+840
C10
FISHKILL AVENUE
1+860
1+880
R=4m (13'-1½")
R=2m (6'-6")
MATCH LINE STA. 1+893.203 SEE GNP-06
PCC A 1+080.874
PT STA 1+790.962
194
*062856 JESSICA JELLIFFE 0.23 AC
331 VERPLANCK AVE.
*056850 BEACON HEBREW ALLIANCE 0.19 AC
333 VERPLANCK AVE.
*052834 333 VERPLANCK DEV. CO. 1.2 AC
PC A 1+017.222
VERPLANCK AVENUE
SEE NOTE 2
202
*077861 PATRICIA MANSPERGER 0.48 AC
210-212
*076868 LUIS ALFONSO YANQUI 0.11 AC
218
*080871 KIRAN R SHETH 0.10 AC
ACKERMAN AVENUE
M 18 P 23 FEE
M 19 P 24 FEE
INSTALL NEW STONE CURB ITEM 609.0213 (TYP.)
SAWCUT ASPHALT PAVEMENT ITEM 627.50140008 (TYP.)
EXISTING UTILITY VALVES/COVERS TO BE ADJUSTED TO MEET FINAL GRADE AS NECESSARY. PAID FOR UNDER ITEMS 662.60020008, 663.33 (TYP.)
REPLACE EXISTING DRAINAGE STRUCTURE, SEE DP-05 (TYP.)
INSTALL NEW 1.525m (5'-0") CONCRETE SIDEWALK ITEM 608.0101 (TYP.)
REPLACE EXISTING DRAINAGE STRUCTURE, SEE DP-05 (TYP.)

CURVE 8	
R	300m (984'-3")
'e'	MATCH EXIST.
PC	A 1+017.222
PCC	A 1+080.874=1+773.834

CURVE 9	
R	50m (164'-1")
'e'	MATCH EXIST.
PCC	A 1+080.874=1+773.834
PT	1+790.962

CURVE 10	
R	1000m (3280'-10")
'e'	MATCH EXIST.
PC	1+842.098
PT	1+852.479

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: GNP-05

PE DB DE SM PM DW

GENERAL PLANS

SCALE: AS SHOWN

SHEET 23 OF 105

FILE NAME = DGN$SPEC012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYTIME0123456
USER = DGN$USERNAME

EXISTING UTILITY VALVES/COVERS TO BE ADJUSTED TO MEET FINAL GRADE AS NECESSARY. PAID FOR UNDER ITEMS 662.60020008, 663.33 (TYP.)

EXISTING UTILITY POLE TO REMAIN (TYP.)

INSTALL NEW 1.525m (5'-0") CONCRETE SIDEWALK ITEM 608.0101 (TYP.)

INSTALL 600mm (24") COLORED/IMPRINTED CONCRETE BUFFER STRIP, ITEM 608.01020005 (TYP.)

INSTALL CURB RAMP WITH RED DETECTABLE WARNING STRIP ITEM 608.21 (TYP.)

INSTALL NEW STONE CURB ITEM 609.0213 (TYP.)

REPLACE EXISTING DRAINAGE STRUCTURE, SEE DP-06 (TYP.)

REPLACE EXISTING MANHOLE, SEE DP-06 (TYP.)

STA. 2-040 TO STA. 2+056, SAWCUT AT BACK EDGE AND INSTALL NEW 1.219m (4'-0") CONCRETE SIDEWALK, ITEMS 627.50140008 608.0101

RELOCATE USPS COLLECTION BOXES ITEM 619.27

MATCH LINE STA. 1+893.203 SEE GP-5

MATCH LINE STA. 2+067.211 SEE GP-7

KENT STREET

LINCOLN AVENUE

FISHKILL AVENUE

HERBERT AVENUE

LARCH STREET

1+900 1+920 1+940 1+960 1+980 2+000 2+020 2+040 2+060

R=2m (6'-6") R=2.5m (8'-2") C11

PC STA 1+908.782

PT STA 1+917.356

*097893 MICHAEL C ADAMSON 0.18 AC 1 KENT ST.

*102902 JAMES E CAHILL 0.47 AC 243

*118908 DOUGLAS LYONS 0.35 AC 5 LINCOLN AVE.

*126911 EDNA MUHAMMAD 0.12 AC 259

*130914 EDWARD JR. & AMANDA SIMONS 0.14 AC 263

224 *018875 EVA MIMRAN 0.11 AC

228 *023878 TANILLE EDWARDS 0.094 AC

238 *104882 SUSAN WILLIAMS 0.27 AC

246 *116887 JOSE E PICO 0.13 AC

248 *120891 LHAWANG SHERPA 0.11 AC

254 *126892 KURT STROLIS 0.13 AC

256 *129896 DANIEL & CHELSEA FOGAL 0.08 AC

264 *140899 ROCCO M BIANCHI 0.14 AC

M 22 P 27 PE

M 24 P 47 TE

M 24 P 29 FEE

M 21 P 26 FEE

MEET EXISING CURB AND SIDEWALK STA. 1+954.8, STA. 1+967.7

INSTALL NEW STONE CURB ITEM 609.0213 (TYP.)

SAWCUT ASPHALT PAVEMENT ITEM 627.50140008 (TYP.)

INSTALL NEW 1.525m (5'-0") CONCRETE SIDEWALK ITEM 608.0101 (TYP.)

CURVE 11	
R	700m (2296'-7")
'e'	MATCH EXIST.
PC	1+908.782
PT	1+917.356

5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPECD1234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME6D123456
USER = DGN$USERNAME

wsp

DATE: JANUARY 2023

PE DB DE SM PM DW

CITY OF BEACON

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

NO: GNP-06

GENERAL PLANS

SCALE: AS SHOWN

SHEET 24 OF 105

REPLACE EXISTING MANHOLE, SEE DP-07 (TYP.)

UTILITY POLE TO BE RELOCATED BY OTHERS (TYP.)

WIDEN FISHKILL AVENUE TO ACCOMODATE LEFT TURN LANES FOR WILKES STREET, FRANKLIN AVENUE AND BLACKBURN AVENUE SEE SSP-07 FOR LANE CONFIGURATION AND MARKINGS

LIMIT OF FULL DEPTH PAVEMENT RECONSTRUCTION FOR PAVEMENT WIDENING (TYP.) SEE TYPICAL SECTIONS FOR LIMITS/PAY ITEMS

INSTALL RAISED CROSSWALK/SPEED TABLE BETWEEN CURB RAMPS, ITEM 608.07000115

INSTALL NEW STONE CURB ITEM 609.0213 (TYP.)

END PAVEMENT TAPER STA. 2+122.28 OFFSET 3.6m (11'-9") L

M 27 P 32 FEE

WILKES STREET

IMPACT TO CITY PROPERTY

RELOCATE EXISTING FIRE HYDRANT, SEE DWG DUP-07

INSTALL 600mm (24") COLORED/IMPRINTED CONCRETE BUFFER STRIP, ITEM 608.01020005 (TYP.)

BEGIN PAVEMENT TAPER STA. 2+098.95 OFFSET 3.67m (12'-0") L

M 26 P 31 FEE

*14692I THE SCHMIDT LIVING TRUST 0.26 AC

277

*152924 KJAM LLC 0J3 AC

283

INSTALL NEW 1.525m (5'-0") CONCRETE SIDEWALK ITEM 608.0101 (TYP.)

*164006 CITY OF BEACON 49.3 AC

2-116 ROBERT CAHILL DR.

EXISTING CONCRETE PLANTERS TO BE RELOCATED BY OTHERS (TYP.)

M 25 P 30 FEE

*13991 KAREN CLARK 0J1 AC

269

RELOCATE UTILITY POLE BETWEEN CURB AND SIDEWALK OR BEHIND SIDEWALK

ROBERT CAHILL DRIVE

RELOCATE EXISTING UTILITY POLE 5' BEYOND EXISTING BACK OF SIDEWALK

MAPLE STREET

R=4.5m (14'-9")

C13

R=10m (32'-10")

2+140

2+160

2+180

2+200

2+220

2+240

C12

2+120

2+100

2+080

FISHKILL AVENUE

PC STA 2+140.064

PT STA 2+165.452

R=2m (6'-6")

R=4.5m (14'-9")

C14

R=5m (16'-5")

R=10m (32'-9")

PC STA 2+105.887

PT STA 2+122.280

PC STA 2+205.584

282

290

*158909 ANITA OKOH 0J4 AC

*165913 EDWARD J WILLIAMS JR. 0J7 AC

INSTALL RAISED CROSSWALK/SPEED TABLE BETWEEN CURB RAMPS, ITEM 608.07000115

M 28 P 33 PE

FRANKLIN AVENUE

END PAVEMENT TAPER STA. 2+122.80 OFFSET 6.9m (22'-7") R

SAWCUT ASPHALT PAVEMENT ITEM 627.50140008 (TYP.)

276

*155906 NOAH ROSALER 0J6 AC

298

*177912 RONALD PAGLIARO 0J4 AC

BLACKBURN AVENUE

BEGIN PAVEMENT TAPER STA. 2+249.15 OFFSET 6.91m (22'-8") R

*310

IG4 LLC

MATCH LINE STA. 2+067.211 SEE GNP-06

MATCH LINE STA. 2+258.481 SEE GNP-08

272

*149903 GARY P GILLAND 0J9 AC

266

*143902 JENNIFER MCGUIRE 0J3 AC

RESET/REPLACE DAMAGED DRIVEWAY PAVERS ITEM 608.10080008

BEGIN PAVEMENT TAPER STA. 2+093.89 OFFSET 4.72m (15'-6") R

INSTALL NEW STONE CURB ITEM 609.0213 (TYP.)

INSTALL NEW 1.525m (5'-0") (WITH LIMITED AREAS OF 1.2 m (4'-0")) CONCRETE SIDEWALK ITEM 608.0101 (TYP.)

INSTALL NEW DRAINAGE STRUCTURE, SEE DP-07 (TYP.)

INSTALL CURB RAMP WITH RED DETECTABLE WARNING STRIP ITEM 608.21 (TYP.)

EXISTING UTILITY VALVES/COVERS TO BE ADJUSTED TO MEET FINAL GRADE AS NECESSARY. PAID FOR UNDER ITEMS 662.60020008, 663.33 (TYP.)

REPLACE EXISTING DRAINAGE STRUCTURE, SEE DP-07 (TYP.)

CURVE 12	
R	150m (492'-1½")
'e'	MATCH EXIST.
PC	2+105.887
PT	2+122.280

CURVE 13	
R	50m (164'-0½")
'e'	MATCH EXIST.
PC	2+140.064
PT	2+165.452

CURVE 14	
R	1000m (3280'-10")
'e'	MATCH EXIST.
PC	2+205.584
PT	2+261.000

5 0 5 10 15 m

SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: GNP-07

PE DB | DE SM | PM DW

GENERAL PLANS

SCALE: AS SHOWN

SHEET 25 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIMED0123456
USER = DGN$USERNAME

SAWCUT ASPHALT PAVEMENT
ITEM 627.50140008 (TYP.)

INSTALL 600mm (24") COLORED/IMPRINTED CONCRETE BUFFER STRIP, ITEM 608.01020005 (TYP.)

INSTALL NEW
STONE CURB
ITEM 609.0213 (TYP.)

INSTALL NEW 1.525m (5'-0")
CONCRETE SIDEWALK
ITEM 608.0101 (TYP.)

*164006
CITY OF BEACON
49.3 AC

2-116 ROBERT CAHILL DR.

MATCH LINE STA. 2+258.481 SEE GNP-07

PT STA 2+265.600

PC STA 2+285.957

PT STA 2+345.052

FISHKILL AVENUE

HANNA LANE

2+260 2+280 2+300 2+320 2+340 2+360 2+380 2+400 2+420 2+440

C15

R=2m (6'-6")

R=2m (6'-6")

*310
IG4 LLC

END PAVEMENT TAPER
STA. 2+266.19
OFFSET 5.63m (18'-6") R

AREA OF FULL DEPTH
PAVEMENT RECONSTRUCTION
FOR ROADWAY WIDENING (TYP.)
SEE TYPICAL SECTIONS FOR
LIMITS/PAY ITEMS.

INSTALL NEW
STONE CURB
ITEM 609.0213 (TYP.)

*310
IG4 LLC

EXISTING UTILITY VALVES/COVERS
TO BE ADJUSTED TO MEET FINAL
GRADE AS NECESSARY. PAID FOR
UNDER ITEMS 662.60020008,
663.33 (TYP.)

MATCH LINE STA. 2+443.435 SEE GNP-09

CURVE 15	
R	150m (492'-2")
'e'	MATCH EXIST.
PC	2+285.957
PT	2+345.052

5 0 5 10 15 m
SCALE

wsp

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

NO: GNP-08

GENERAL PLANS

SCALE: AS SHOWN

SHEET 26 OF 105

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$STIME0123456
USER = DGN$USERNAME

INSTALL 600mm (24") COLORED/IMPRINTED CONCRETE BUFFER STRIP, ITEM 608.01020005 (TYP.)

INSTALL TRAFFIC SIGNAL AT DELEVAN AVENUE INTERSECTION, WIDEN FISHKILL AVENUE FOR INSTALLATION OF LEFT TURN LANES SEE NOTE 1

INSTALL NEW STONE CURB ITEM 609.0213 (TYP.)

INSTALL NEW 1.525m (5'-0") (WITH LIMITED AREAS OF 1.2 m (4'-0")) CONCRETE SIDEWALK ITEM 608.0101 (TYP.)

UTILITY POLE TO BE RELOCATED BY OTHERS (TYP.)

REPLACE EXISTING DRAINAGE STRUCTURE, SEE DP-09 (TYP.)

SAWCUT ASPHALT PAVEMENT ITEM 627.50240008 (TYP.)

MATCH LINE STA. 2+443.435 SEE GNP-08

MATCH LINE STA. 2+623.435 SEE GNP-10

DELEVAN AVENUE

FISHKILL AVENUE

HB

PL

PC STA 2+493.118

PT STA 2+550.998

PC STA 2+600.466

PT STA 2+646.240

2+460

2+480

2+500

2+520

2+540

2+560

2+580

2+600

2+620

C16

C17

R=3m (9'-10")

R=4.5m (14'-9")

R=2.5m (8'-2")

M 30 P 36 FEE

M 32 P 39 FEE

M 32 P 40 PE

FEE

PE

7 DELEVAN AVE
*295954
BEACON CHRISTIAN ASSEMBLY
0.21 AC

*278953
BEACON CHRISTIAN ASSEMBLY
0.73 AC

7 DELEVAN AVE.

*275938
LOCAL 845 LLC
0.32 AC

333

326-330
*264913
326 FISHKILL AVE LLC
0.62 AC

332-334
*280919
CERVONE REALITY INC.
0.53 AC

338
*291925
CHG&E CORP.
0.15 AC

344
*312940
SOMERSET TIRE SERVICE INC.
1.4 AC

INSTALL NEW STONE CURB ITEM 609.0213 (TYP.)

EXISTING UTILITY VALVES/COVERS TO BE ADJUSTED TO MEET FINAL GRADE AS NECESSARY. PAID FOR UNDER ITEMS 662.60020008, 663.33 (TYP.)

INSTALL CURB RAMP WITH RED DETECTABLE WARNING STRIP ITEM 608.21 (TYP.)

SEE TRAFFIC SIGNAL PLAN AND TABLES ON DWG. NO. TSP-01 AND TST-01

NOTES:
1. ALL WORK SHOWN TO INSTALL TRAFFIC SIGNAL AT DELEVAN AVENUE TO BE INCLUDED UNDER BID ITEMS FOR SHARE *2.
2. ALL WORK SHOWN TO REPLACE CURBS/SIDEWALKS, WIDEN, RESURFACE, AND RESTRIPE ROADWAY TO BE INCLUDED UNDER BID ITEMS FOR SHARE *2.

CURVE 16	
R	115m (377'-4")
'e'	MATCH EXIST.
PC	2+493.118
PT	2+550.998

CURVE 17	
R	100m (328'-1")
'e'	MATCH EXIST.
PC	2+600.466
PT	2+646.240

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: GNP-09

PE DB | DE SM | PM DW

GENERAL PLANS

SCALE: AS SHOWN

SHEET 27 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

INSTALL CURB RAMP WITH RED DETECTABLE WARNING STRIP ITEM 608.21 (TYP.)

INSTALL 600mm (24") COLORED/IMPRINTED CONCRETE BUFFER STRIP, ITEM 608.01020005 (TYP.)

INSTALL NEW STONE CURB ITEM 609.0213 (TYP.)

EXISTING UTILITY VALVES/COVERS TO BE ADJUSTED TO MEET FINAL GRADE AS NECESSARY. PAID FOR UNDER ITEMS 662.60020008, 663.33 (TYP.)

INSTALL NEW 1.525m (5'-0") CONCRETE SIDEWALK ITEM 608.0101 (TYP.)

MATCH LINE STA. 2+623.435 SEE GNP-09

*322981
GREENS DWELLING NY LLC
6J AC

355

PC STA 2+701.331

PT STA 2+765.989

C17

C18

R=4.5m (14'-9")

R=4.5m (14'-9")

R=2.1m (6'-11")

2+640

2+660

2+680

2+700

2+720

2+740

2+760

2+780

2+800

FISHKILL AVENUE

0.3 (MIN.) (1'-0")

3.3m (10'-10")

3.3m (10'-10")

0.3 (MIN.) (1'-0")

MATCH LINE STA. 2+803.867 SEE GNP-11

PT STA 2+646.240

344

*312940
SOMERSET TIRE SERVICE INC.
1.4 AC

SAWCUT ASPHALT PAVEMENT ITEM 627.50140008 (TYP.)

INSTALL NEW STONE CURB ITEM 609.0213 (TYP.)

CURVE 17	
R	100m (328'-1")
'e'	MATCH EXIST.
PC	2+600.466
PT	2+646.240

CURVE 18	
R	175m (574'-2")
'e'	MATCH EXIST.
PC	2+701.331
PT	2+765.989

5 0 5 10 15 m
SCALE

wsp

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

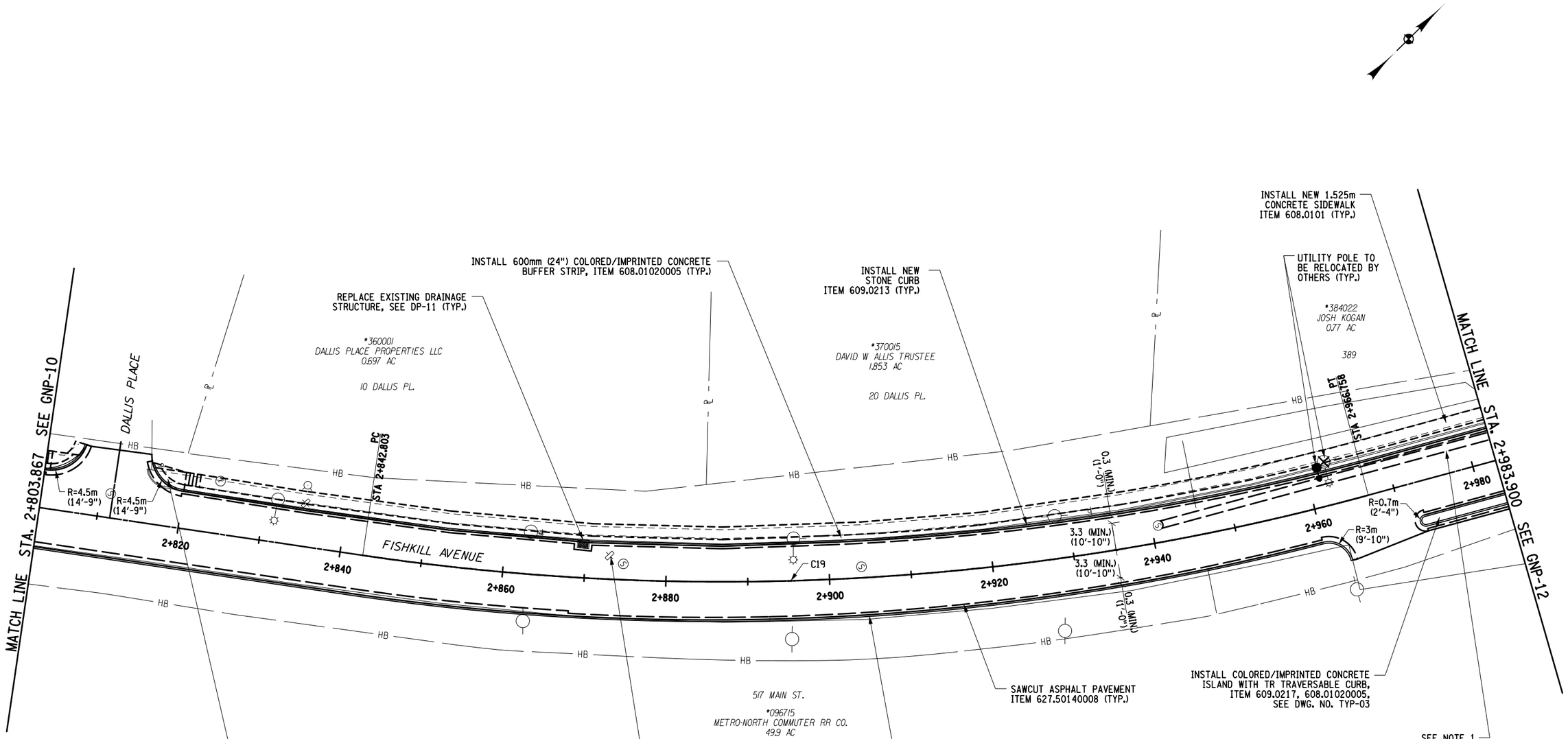
NO: GNP-10

GENERAL PLANS

SCALE: AS SHOWN

SHEET 28 OF 105

FILE NAME = DGN$SPEC@123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME@123456
USER = DGN$USERNAME



CURVE 19	
R	300m (984'-3")
'e'	MATCH EXIST.
PC	2+842.803
PT	2+966.758

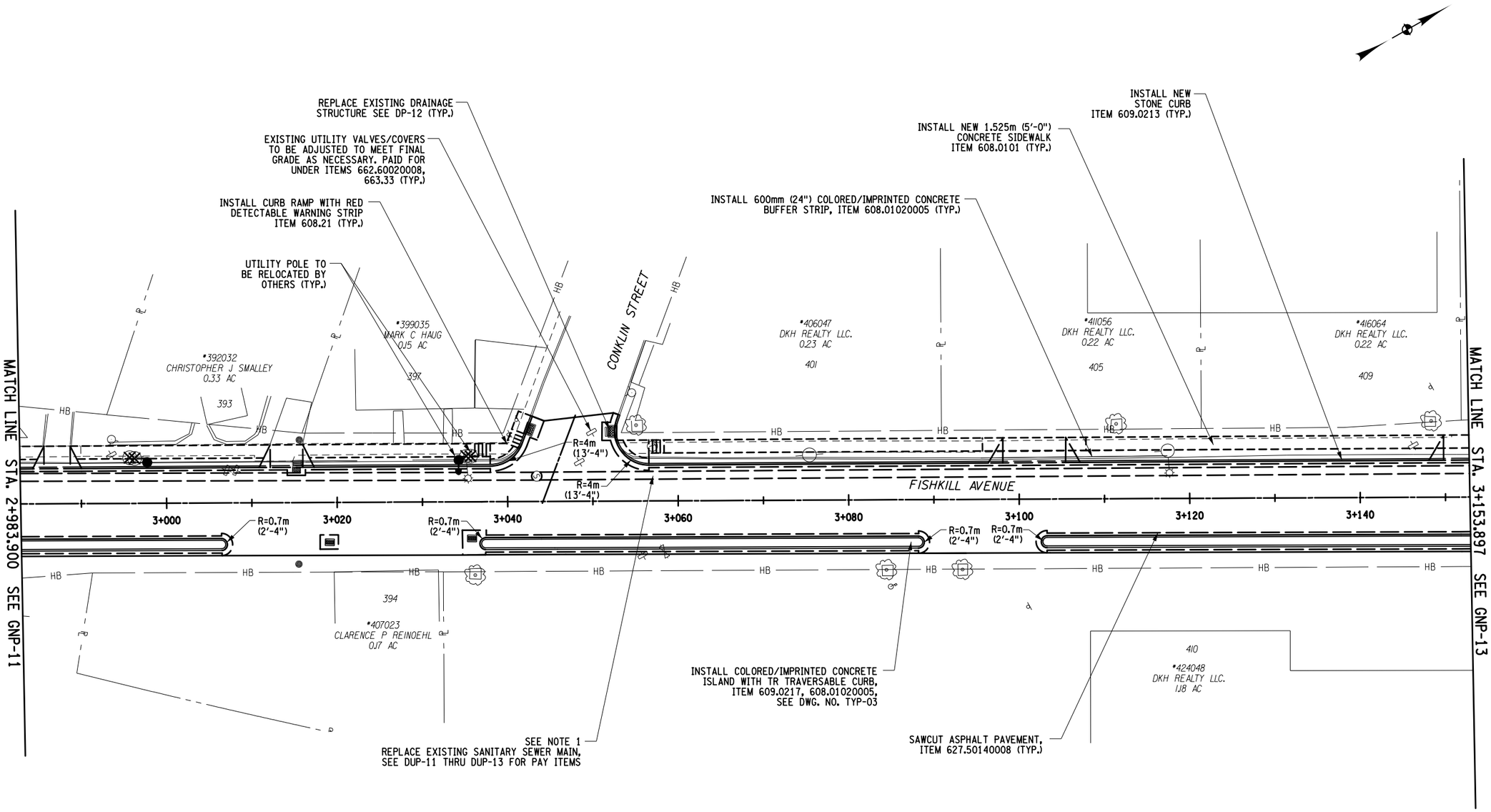
5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPECD123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$STIMED123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: GNP-11
PE DB	DE SM	PM DW	GENERAL PLANS	SCALE: AS SHOWN	SHEET 29 OF 105



NOTES:
1. ALL WORK SHOWN TO REPLACE SANITARY SEWER MAIN BETWEEN STATIONS ±2+940 AND ±3+292 TO BE INCLUDED UNDER BID ITEMS FOR SHARE *2.
2. ALL WORK SHOWN TO REPLACE CURBS/SIDEWALKS, RESURFACE, AND RESTRIPE ROADWAY TO BE INCLUDED UNDER BID ITEMS FOR SHARE *2.

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES
PE DB	DE SM	PM DW	GENERAL PLANS

NO: GNP-12
SCALE: AS SHOWN
SHEET 30 OF 105

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$STIME0123456
USER = DGN$USERNAME

INSTALL NEW
STONE CURB
ITEM 609.0213 (TYP.)

INSTALL NEW 1.525m (5'-0")
CONCRETE SIDEWALK
ITEM 608.0101 (TYP.)

REPLACE EXISTING DRAINAGE
STRUCTURE, SEE DP-13 (TYP.)

INSTALL CURB RAMP WITH RED
DETECTABLE WARNING STRIP
ITEM 608.21 (TYP.)

SAWCUT ASPHALT PAVEMENT
ITEM 627.50140008 (TYP.)

INSTALL 600mm (24") COLORED/IMPRINTED CONCRETE
BUFFER STRIP, ITEM 608.01020005 (TYP.)

UTILITY POLE TO
BE RELOCATED BY
OTHERS (TYP.)

MATCH LINE STA. 3+153.897 SEE GNP-12

MATCH LINE STA. 3+333.865 SEE GNP-14

*418071
DKH REALTY LLC.
0.11 AC

413

*425080
DKH REALTY LLC.
0.32 AC

415

*431091
BROWNELL BROTHERS LLC.
0.21 AC

421

*435097
BROWNELL BROTHERS LLC.
0.10 AC

423

*432110
JAMVIR BEACON INC.
0.61 AC

425

TOWNSEND STREET

*446160
MARENE MANAGEMENT GROUP INC.
0.12 AC

433

HB

FISHKILL AVENUE

R=4m
(13'-2")

R=0.7m
(2'-4")

R=2m
(6'-6")

3+160 3+180 3+200 3+220 3+240 3+260 3+280 3+300 3+320

418

*439071
DKH REALTY LLC.
0.11 AC

420

*443076
CHARLES R BROWNELL
0.304 AC

426

*450087
CHARLES R BROWNELL
0.304 AC

428

*455098
CHARLES R BROWNELL
0.395 AC

434

*459170
BEACON COMMERCIAL
REALTY PROP.
0.15 AC

SEE NOTE 1
REPLACE EXISTING SANITARY SEWER MAIN,
SEE DUP-11 THRU DUP-13 FOR PAY ITEMS

INSTALL COLORED/IMPRINTED CONCRETE
ISLAND WITH TR TRAVERSABLE CURB,
ITEM 609.0217, 608.01020005,
SEE DWG. NO. TYP-03

EXISTING UTILITY VALVES/COVERS
TO BE ADJUSTED TO MEET FINAL
GRADE AS NECESSARY. PAID FOR
UNDER ITEMS 662.60020008,
663.33 (TYP.)

INSTALL NEW
STONE CURB
ITEM 609.0213 (TYP.)

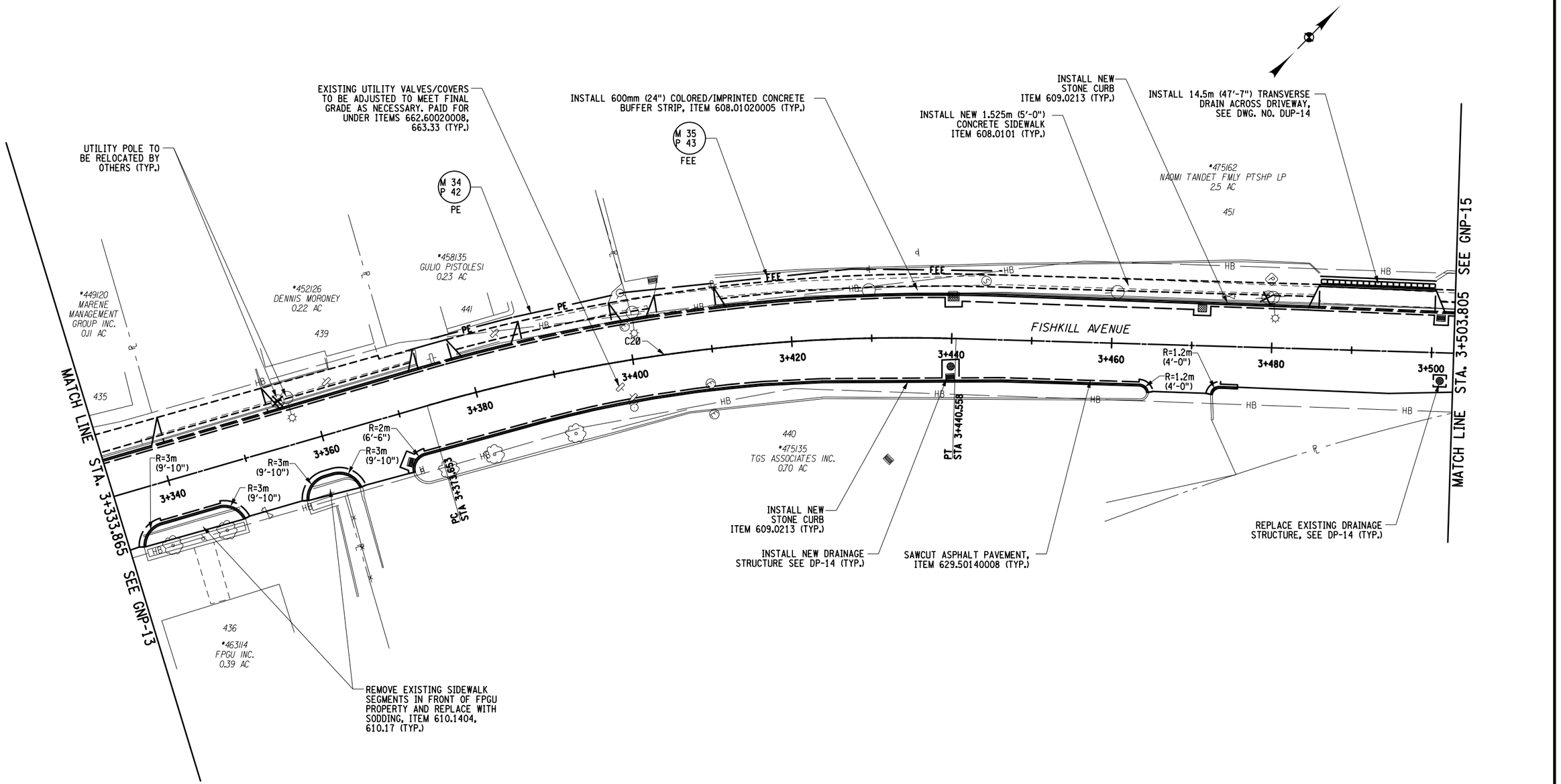
5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME$0123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: GNP-13
PE DB	DE SM	PM DW	GENERAL PLANS	SCALE: AS SHOWN	SHEET 31 OF 105



CURVE 20	
R	215 m (705'-5")
'e'	MATCH EXIST.
PC	3+373.653
PT	3+440.558

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: GNP-14
PE DB	DE SM	PM DW	GENERAL PLANS	SCALE: AS SHOWN	SHEET 32 OF 105

FILE NAME = DGN$SPEC012345678901234567890123456789012345678901234
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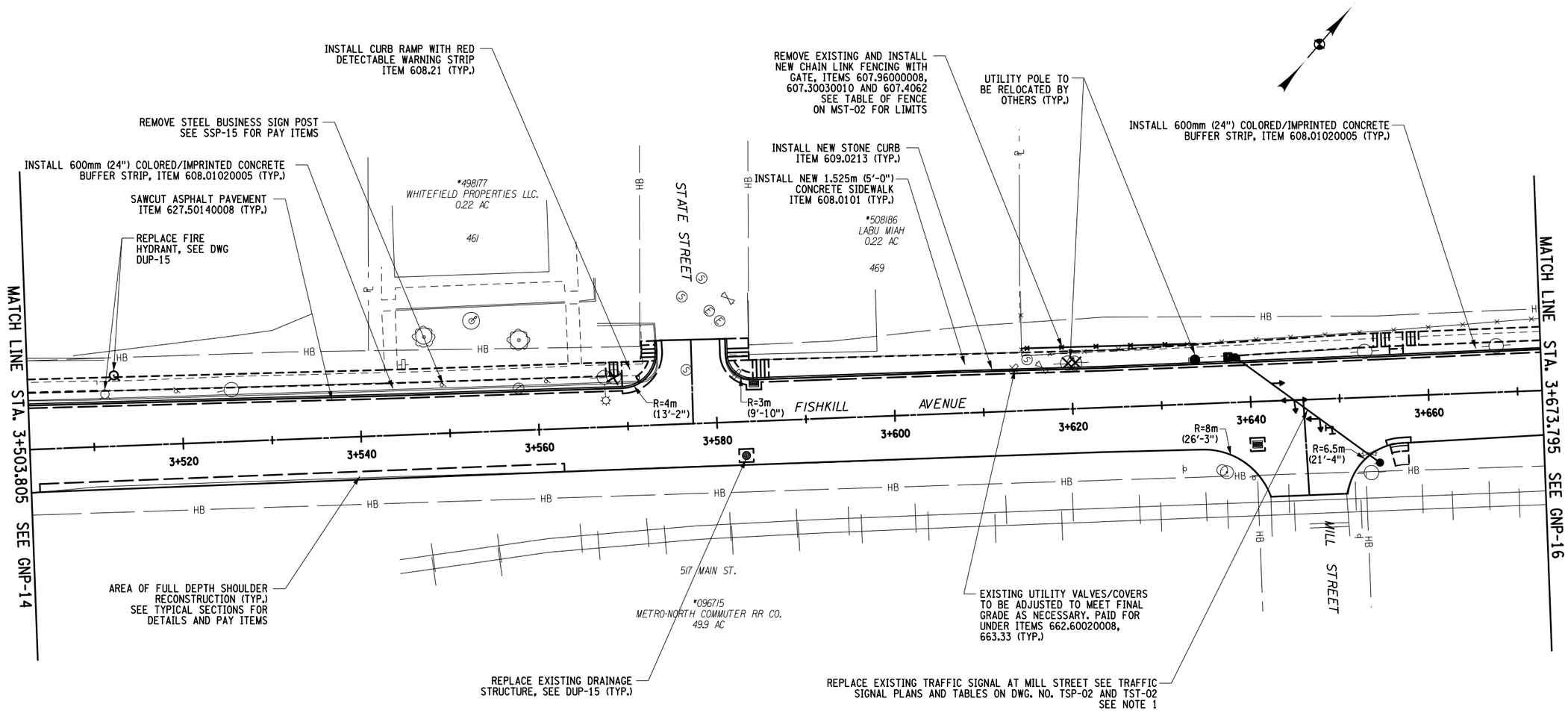

NOTES:
1. ALL WORK SHOWN TO INSTALL TRAFFIC SIGNAL AT MILL STREET TO BE INCLUDED UNDER BID ITEMS FOR SHARE #2.
2. ALL WORK SHOWN TO REPLACE CURBS/SIDEWALKS, RESURFACE, AND RESTRIPE ROADWAY TO BE INCLUDED UNDER BID ITEMS FOR SHARE #2.

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: GNP-15
PE DB	DE SM	PM DW	GENERAL PLANS	SCALE: AS SHOWN	SHEET 33 OF 105

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
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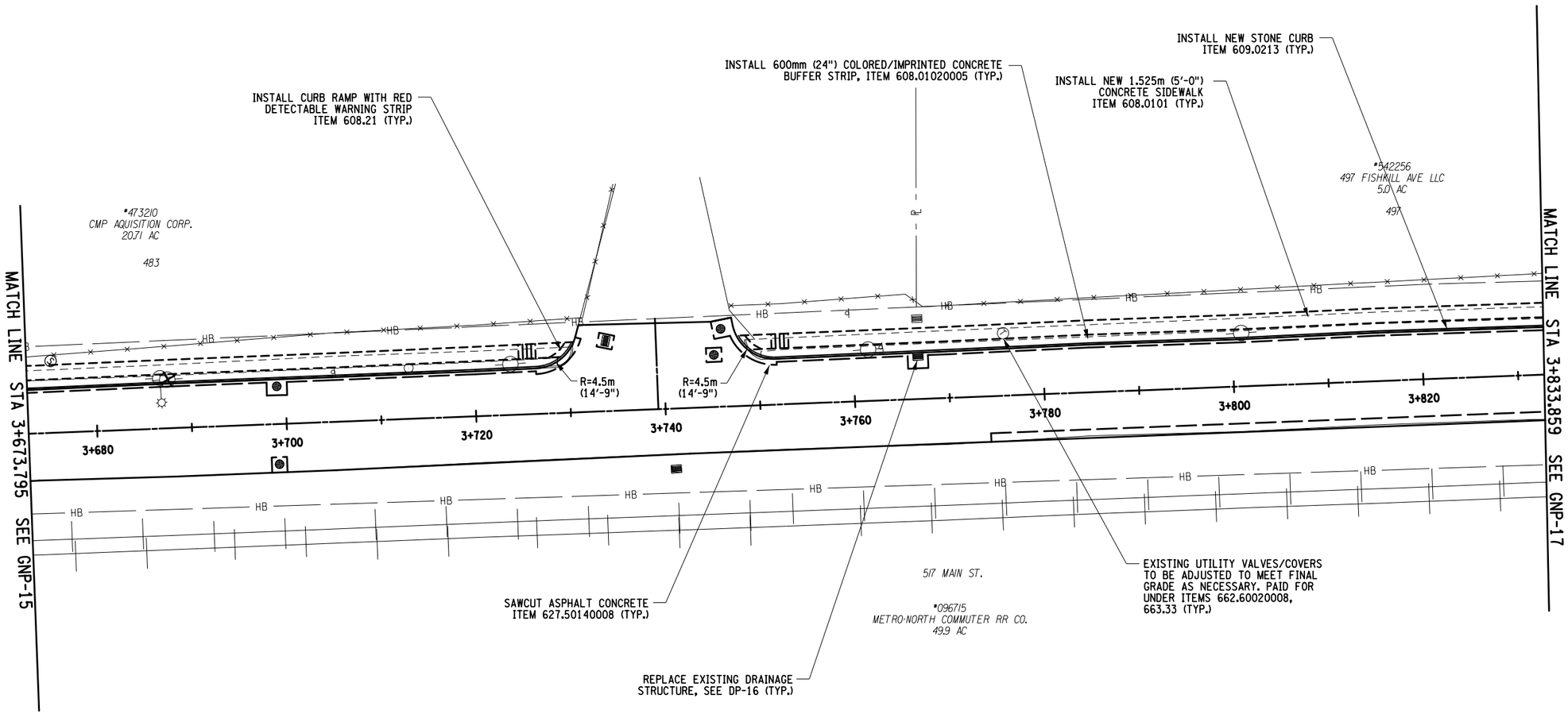


5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPECD123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME$0123456
USER = DGN$USERNAME

wsp

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

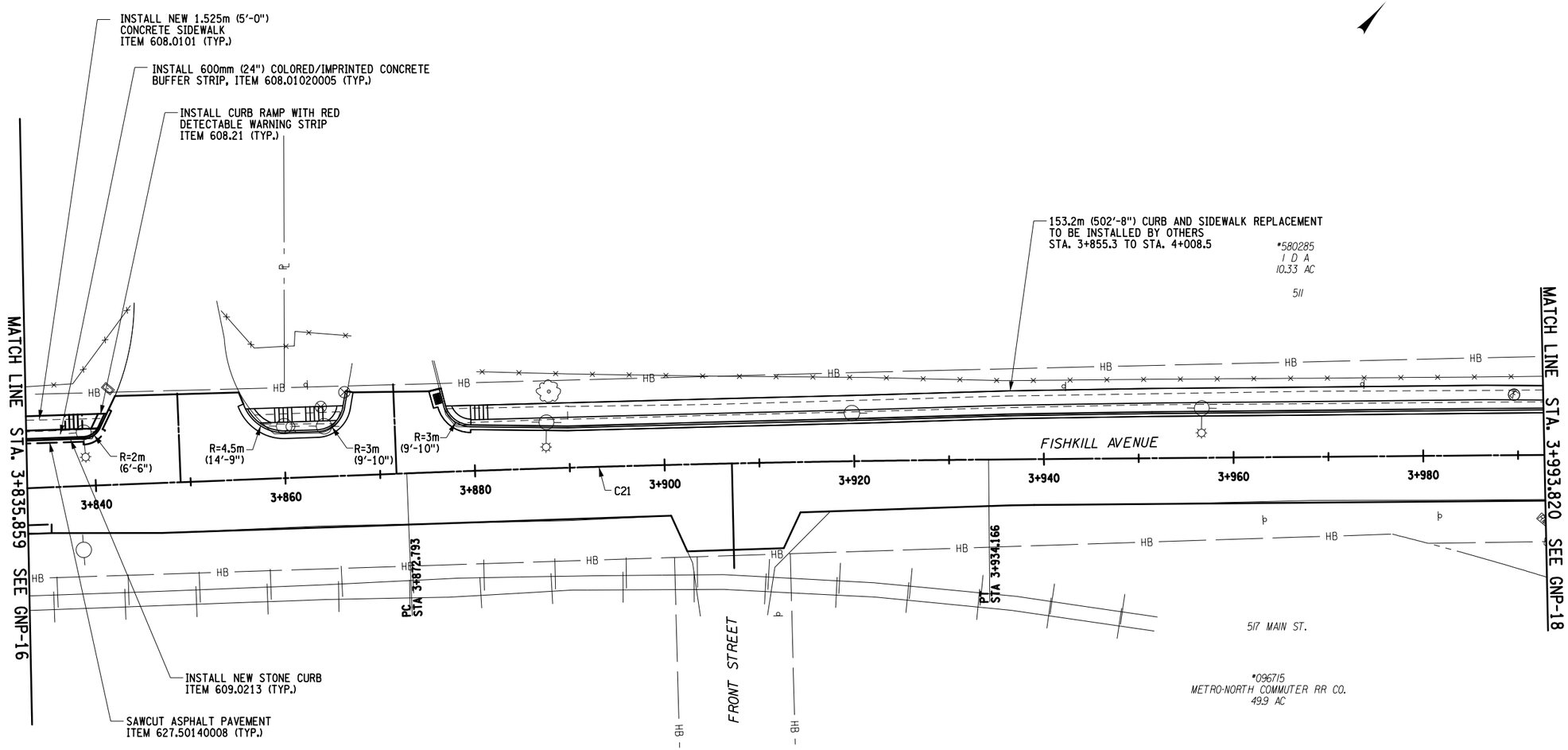
PROJECT: PIN 8757.80 & PIN 8757.30
REHABILITATION OF TELLER & FISHKILL AVENUES

NO: GNP-16

GENERAL PLANS

SCALE: AS SHOWN

SHEET 34 OF 105



CURVE 21	
R	2000m (6561'-8")
'e'	MATCH EXIST.
PC	3+872.793
PT	3+934.166

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: GNP-17

PE DB | DE SM | PM DW

GENERAL PLANS

SCALE: AS SHOWN

SHEET 35 OF 105

FILE NAME = DGN$SPEC012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME012345
USER = DGN$USERNAME

153.2m (502'-8") CURB AND SIDEWALK REPLACEMENT
TO BE INSTALLED BY OTHERS
STA. 3+855.3 TO STA. 4+008.5

MATCH LINE STA 3+993.820 SEE GNP-17

PROSPECT STREET

FISHKILL AVENUE

PC STA 4+075.673

PT STA 4+096.828

4+000 4+020 4+040 4+060 4+080 4+100 4+120

C22

OLD GLENHAM ROAD

PROJECT LIMIT OF WORK
STA. 4+008.5, P.I.N. 8757.30

CURVE 22	
R	300m (984'-3")
'e'	MATCH EXIST.
PC	4+075.673
PT	4+096.828

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: GNP-18

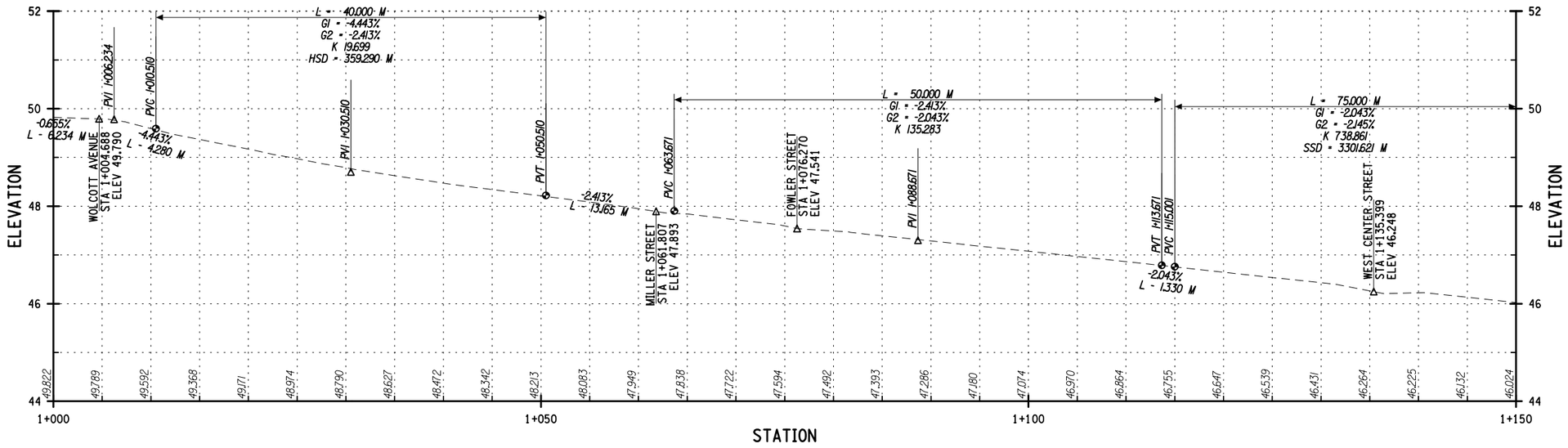
PE DB | DE SM | PM DW

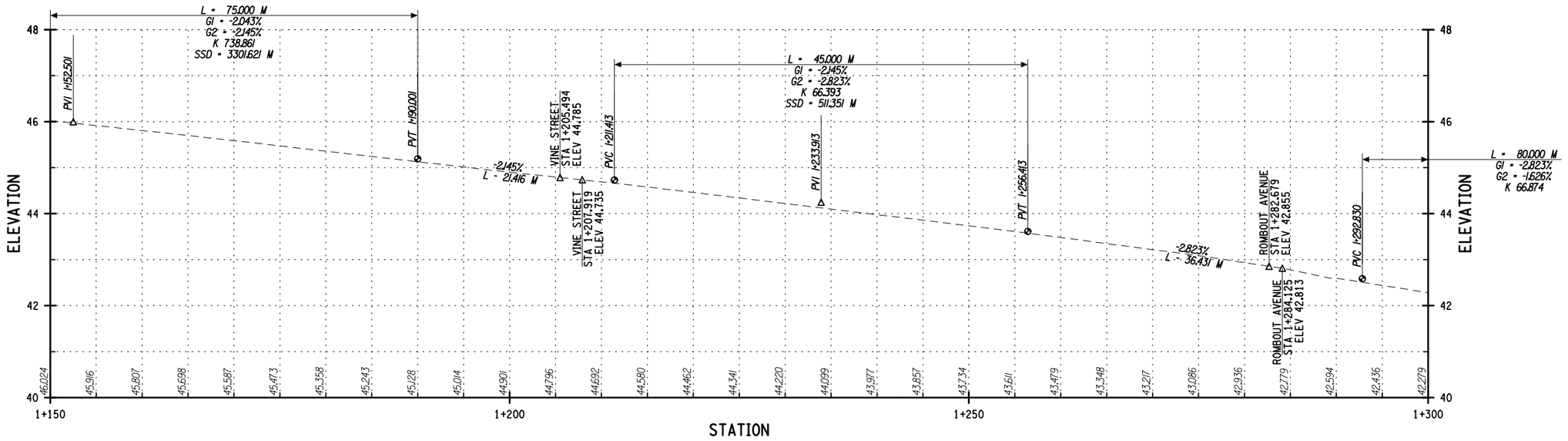
GENERAL PLANS

SCALE: AS SHOWN

SHEET 36 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYTIME01234567890123456
USER = DGN$USERNAME

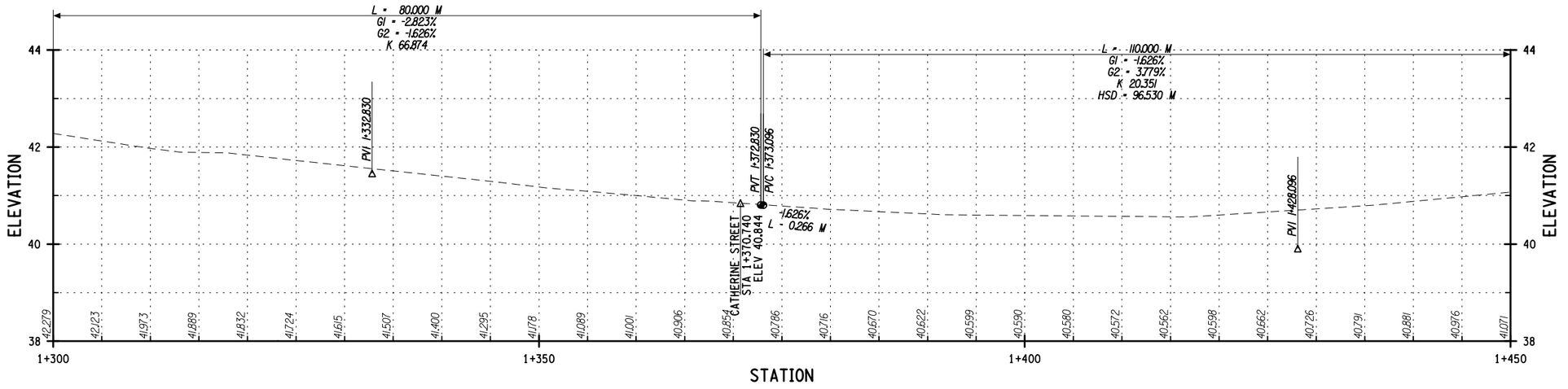


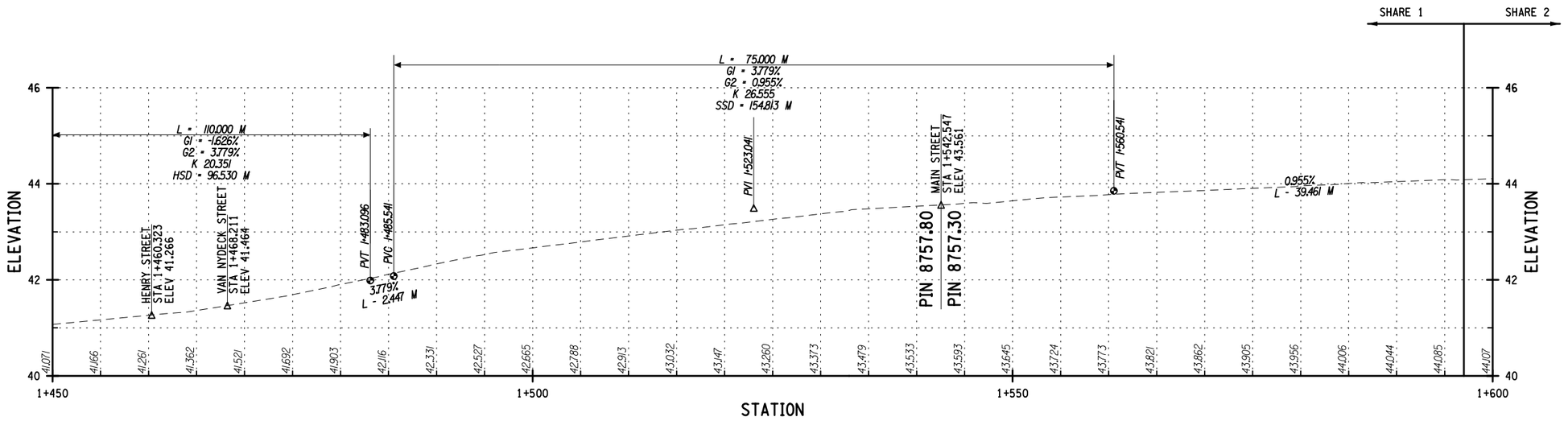


NOTE (FOR PRO-1 TO PRO-11):
MILL AND REPLACE EXISTING PAVEMENT SURFACE AS SHOWN IN THE GENERAL PLANS EXCEPT WHERE FULL DEPTH RECONSTRUCTION IS REQUIRED. EXISTING ELEVATIONS, GRADES, AND CURVE DATA ARE PROVIDED FOR REFERENCE ONLY.

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

wsp			CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: PRO-01
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN
				SHEET 37 OF 105





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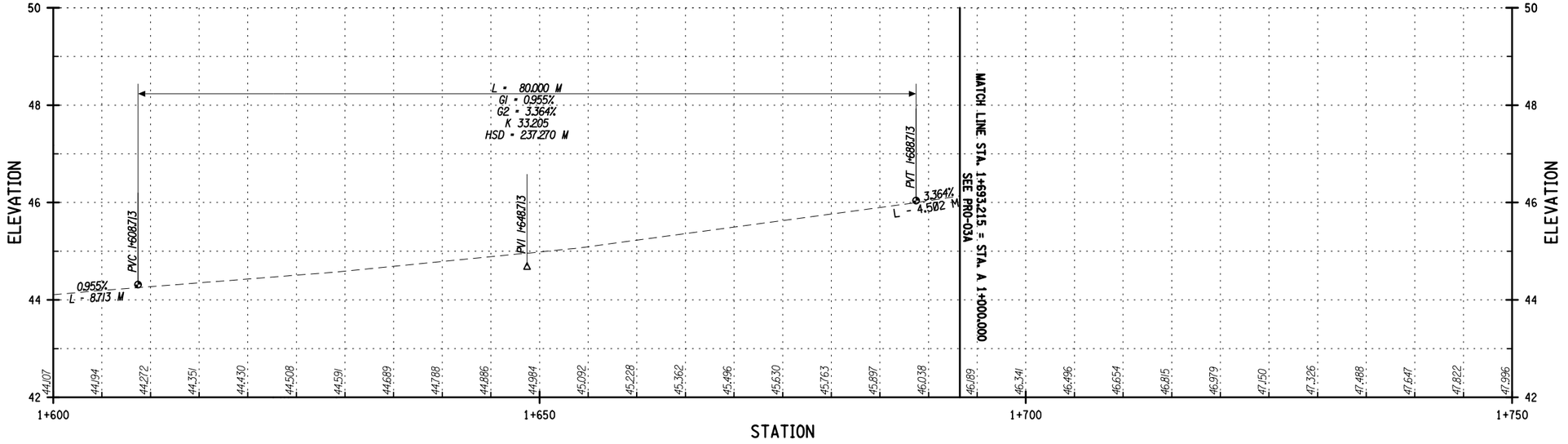
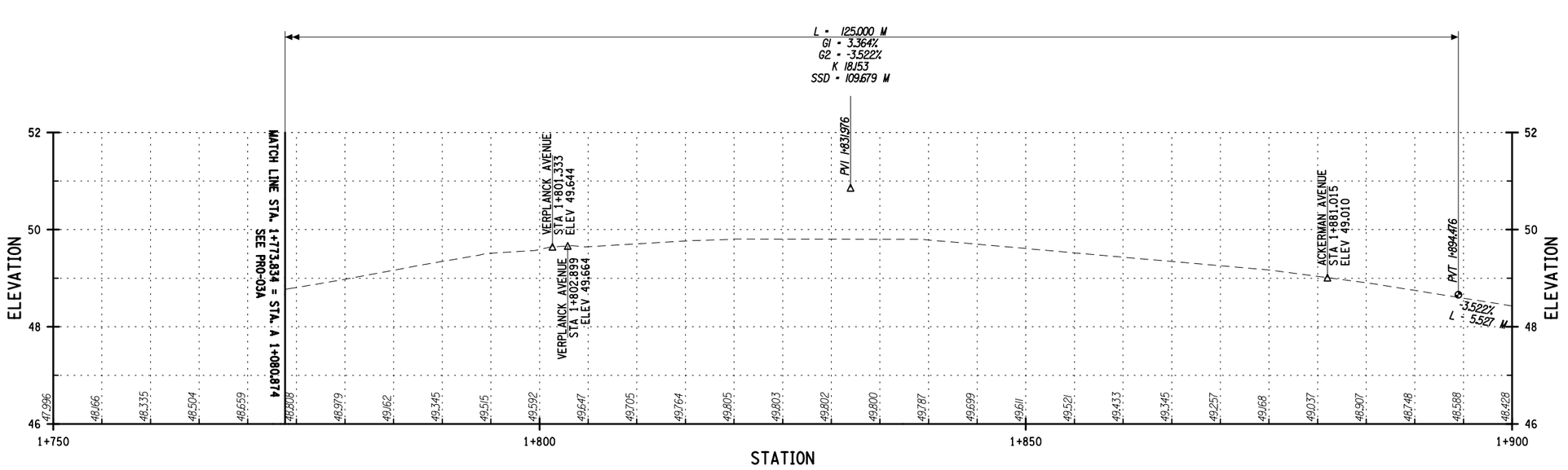
USER = DGN$USERNAME

wsp				CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PR0-02
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN	SHEET 38 OF 105





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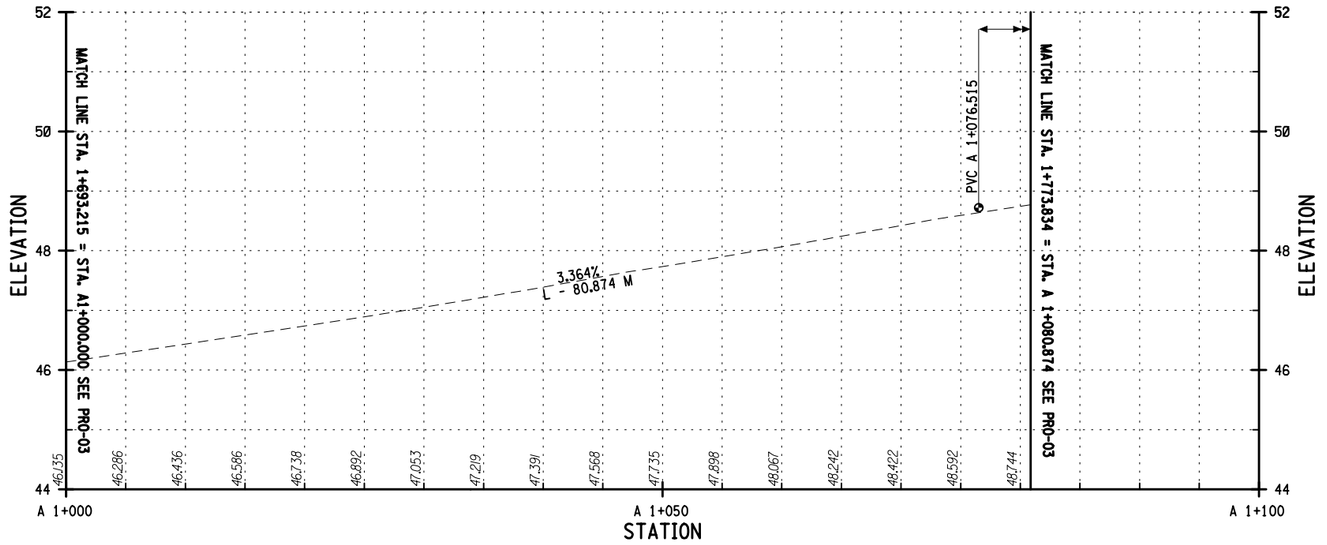
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

wsp				CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PR0-03
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN	SHEET 39 OF 105



FILE NAME = DGN$SPECD\123456789\123456789\123456789\1234
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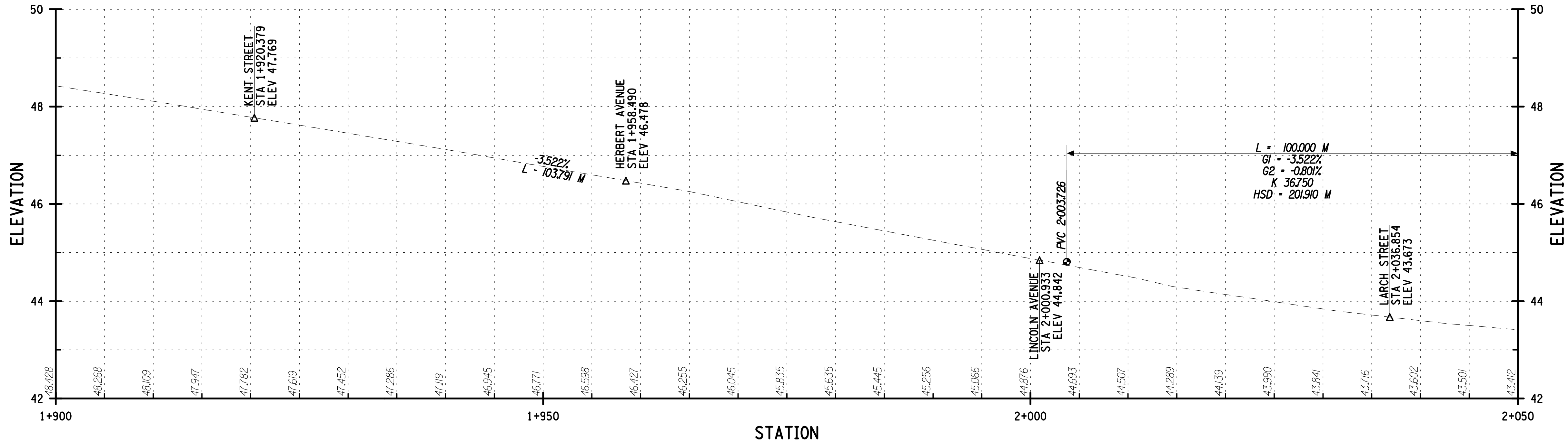
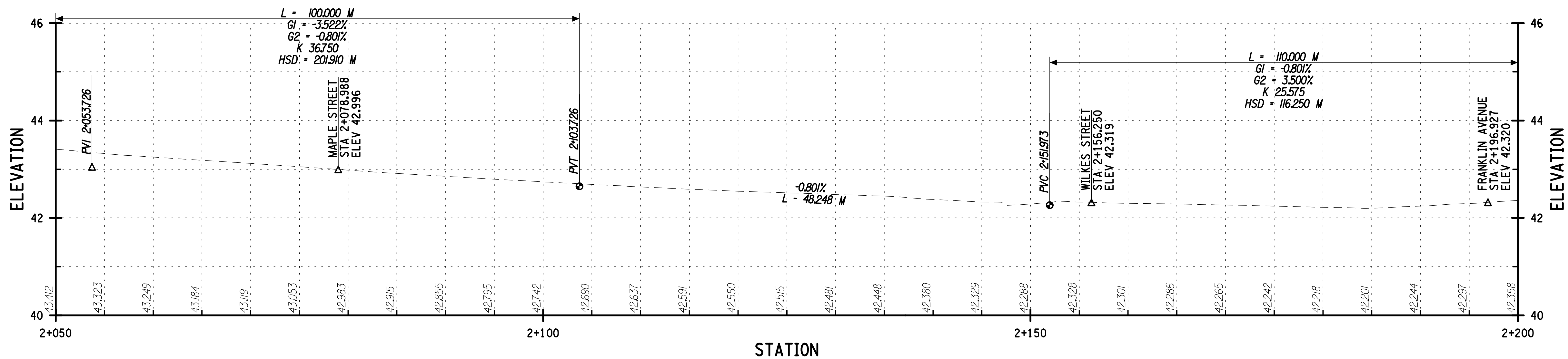
wsp			CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: PRO-03A
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN / SHEET 40 OF 105





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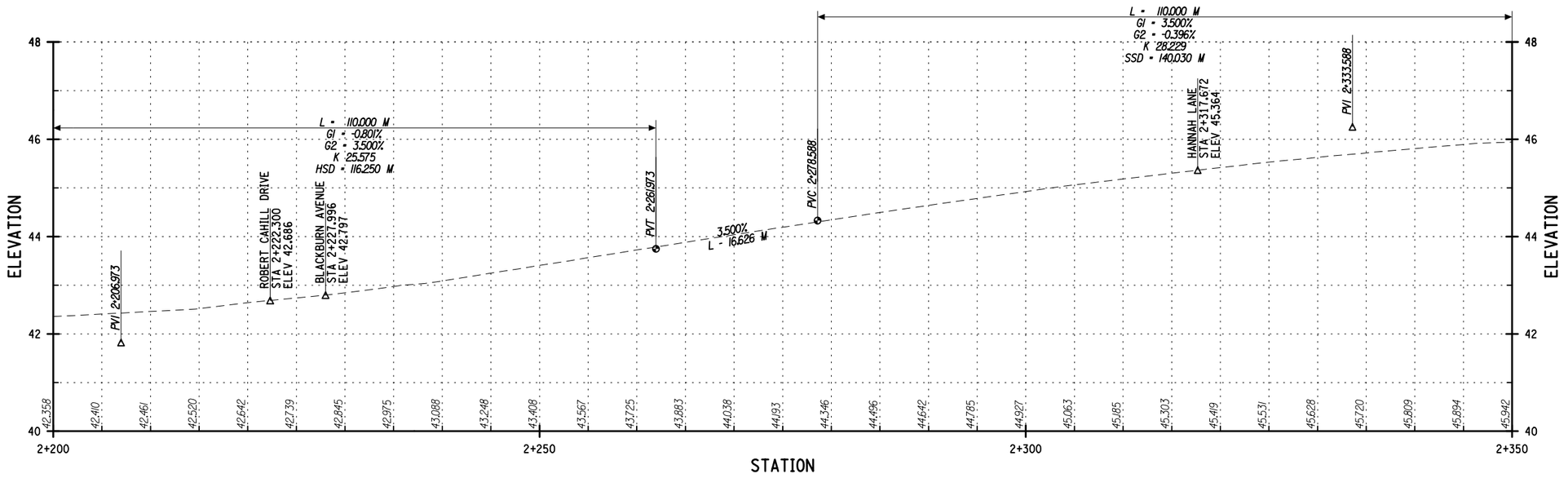
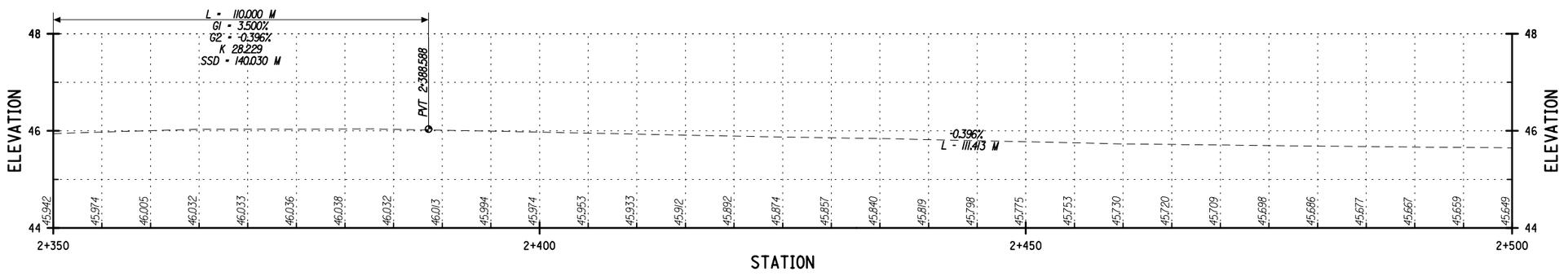
wsp	CITY OF BEACON		
DATE: JANUARY 2023	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PRO-04
PE DB / DE SM / PM DW	PROFILES	SCALE: AS SHOWN	SHEET 41 OF 105





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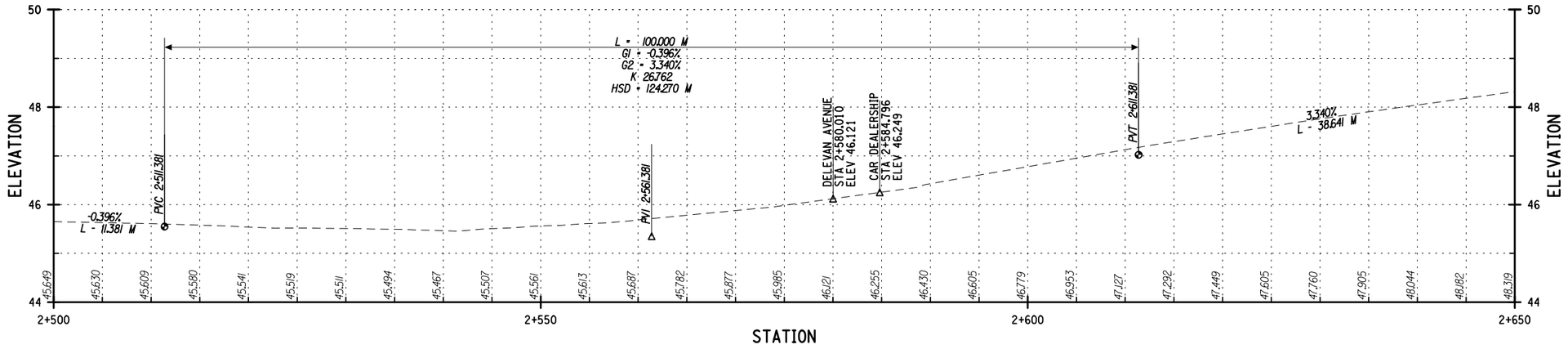
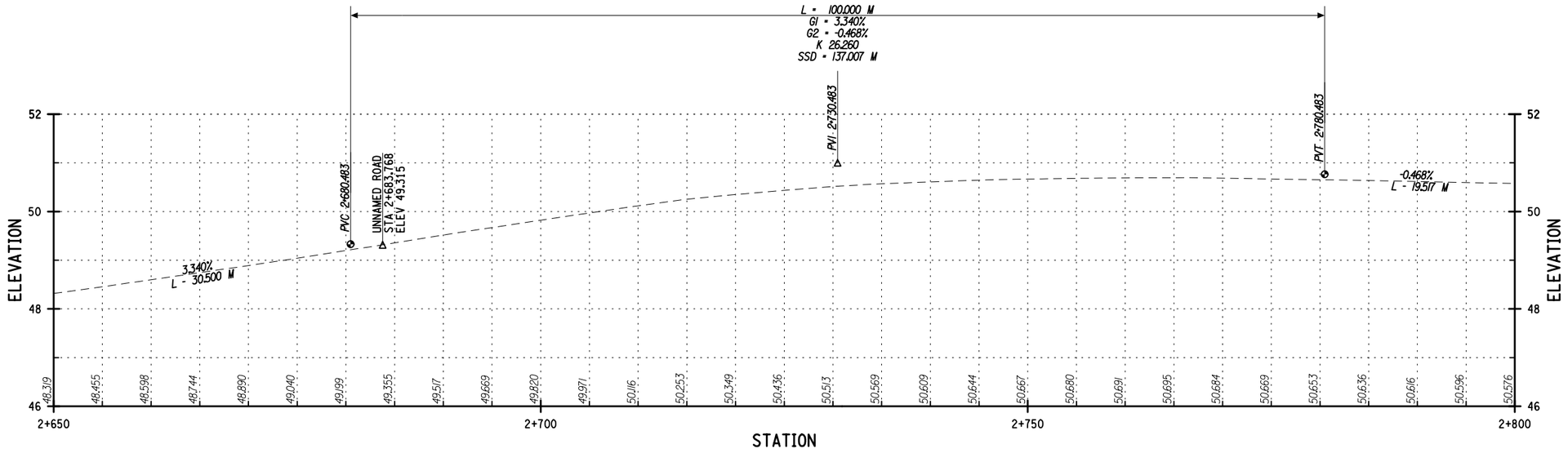
USER = DGN$USERNAME

wsp				CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PR0-05
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN	SHEET 42 OF 105





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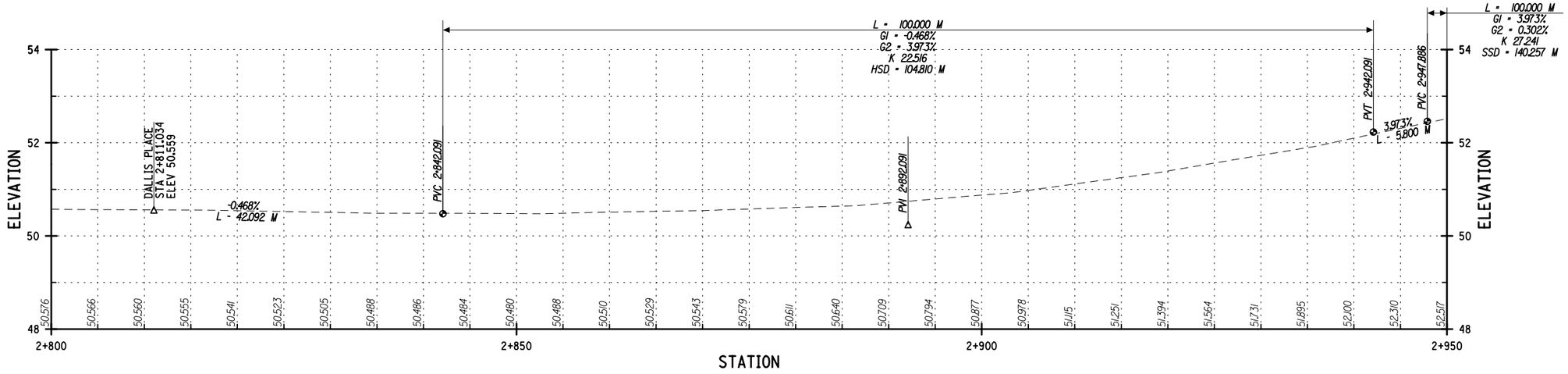
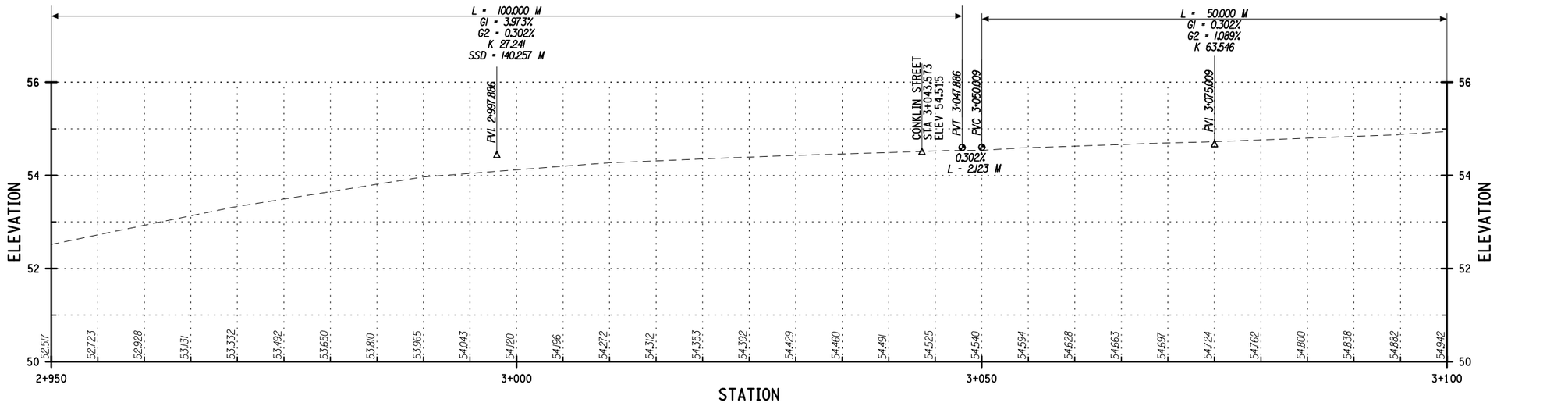
USER = DGN$USERNAME

wsp				CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PR0-06
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN	SHEET 43 OF 105





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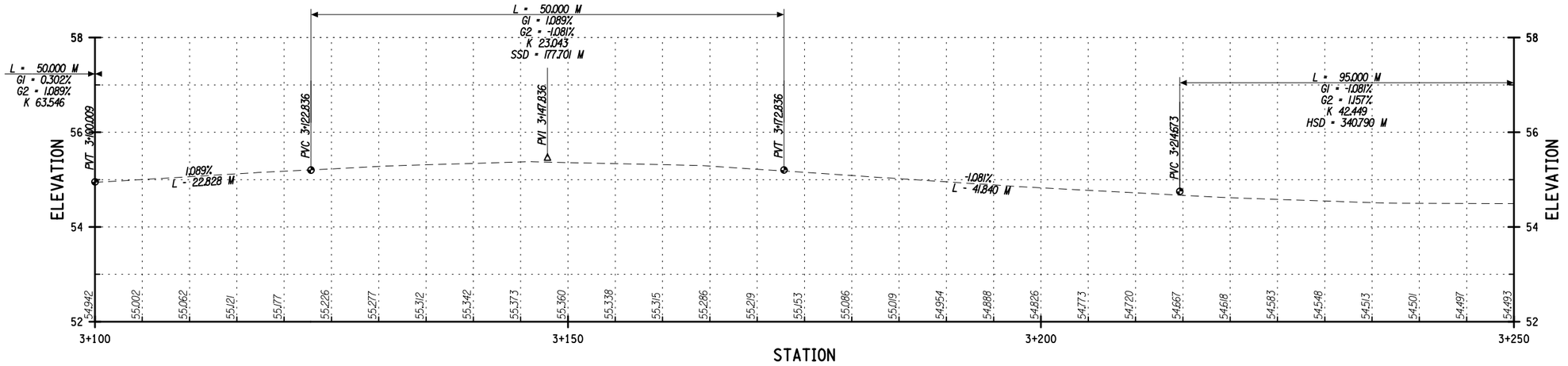
USER = DGN$USERNAME

wsp				CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PR0-07
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN	SHEET 44 OF 105



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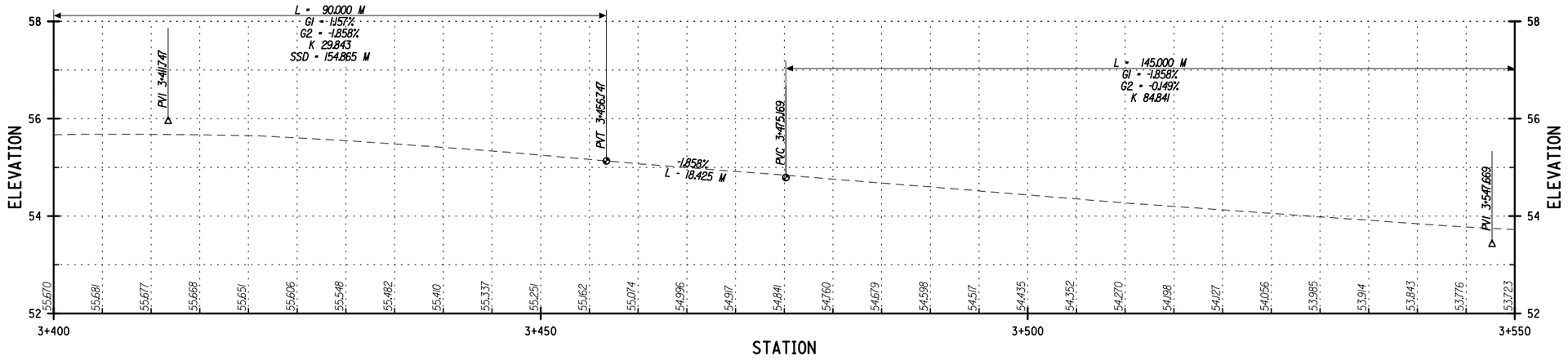
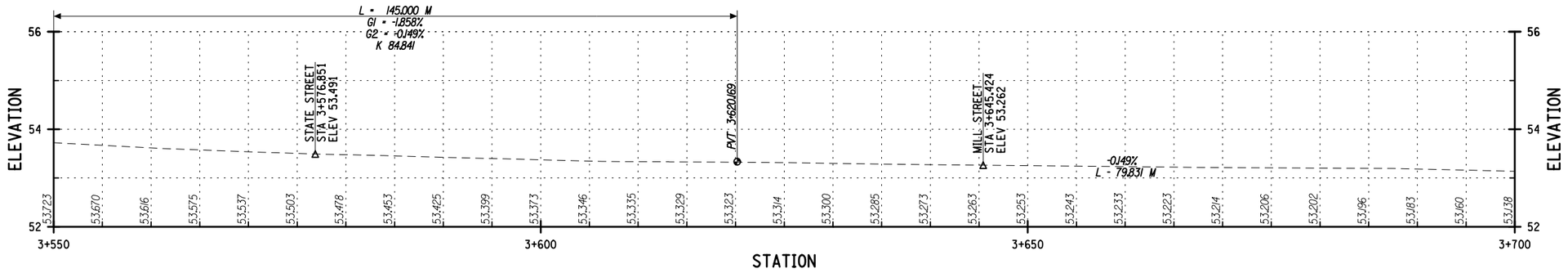
wsp				CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PR0-08
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN	SHEET 45 OF 105





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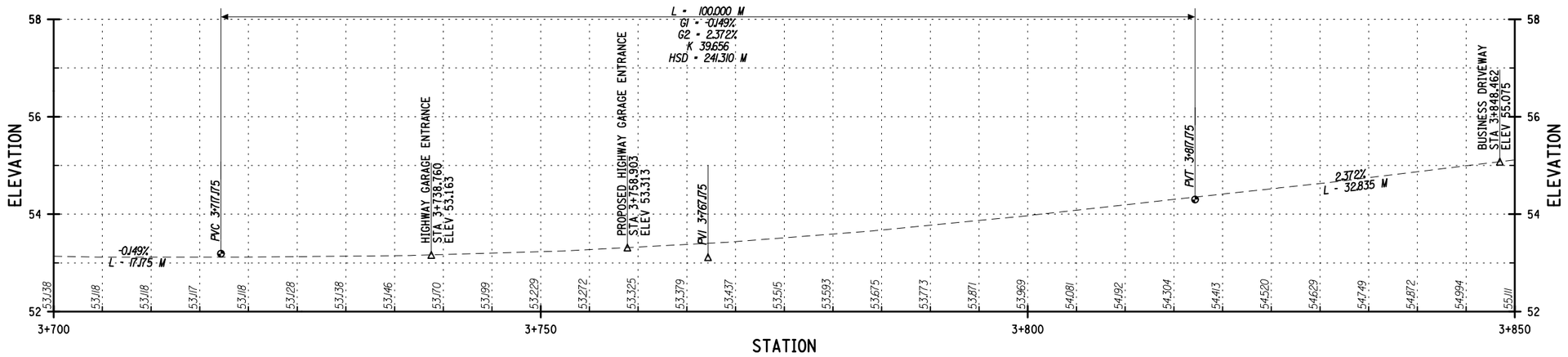
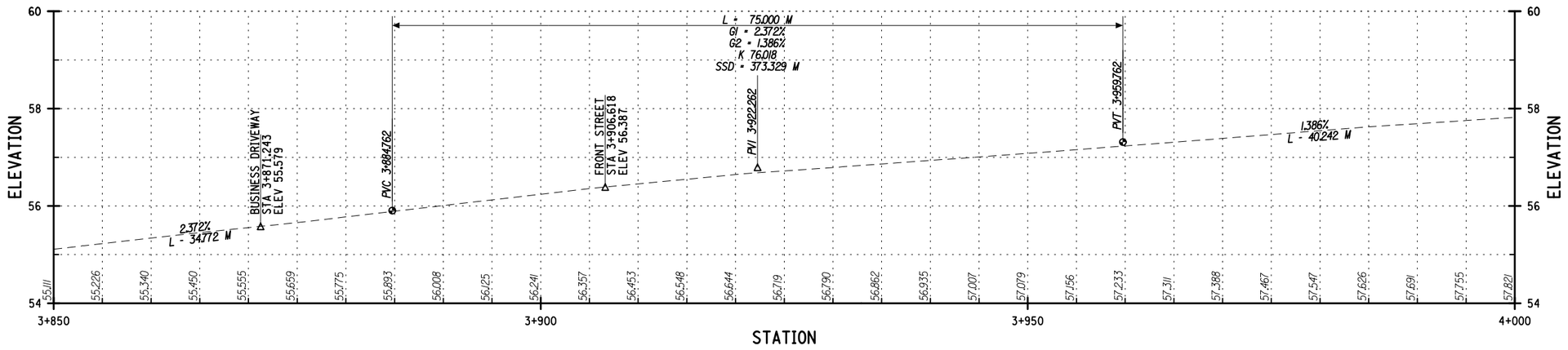
wsp			CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: PR0-09
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN
				SHEET 46 OF 105





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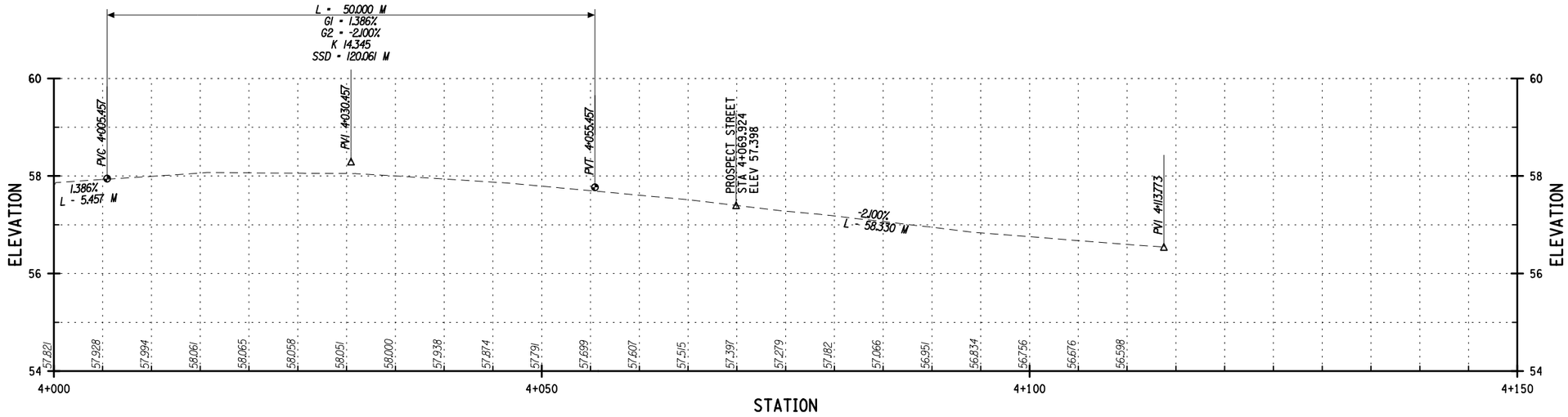
wsp				CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PR0-10
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN	SHEET 47 OF 105



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USER = DGN$USERNAME

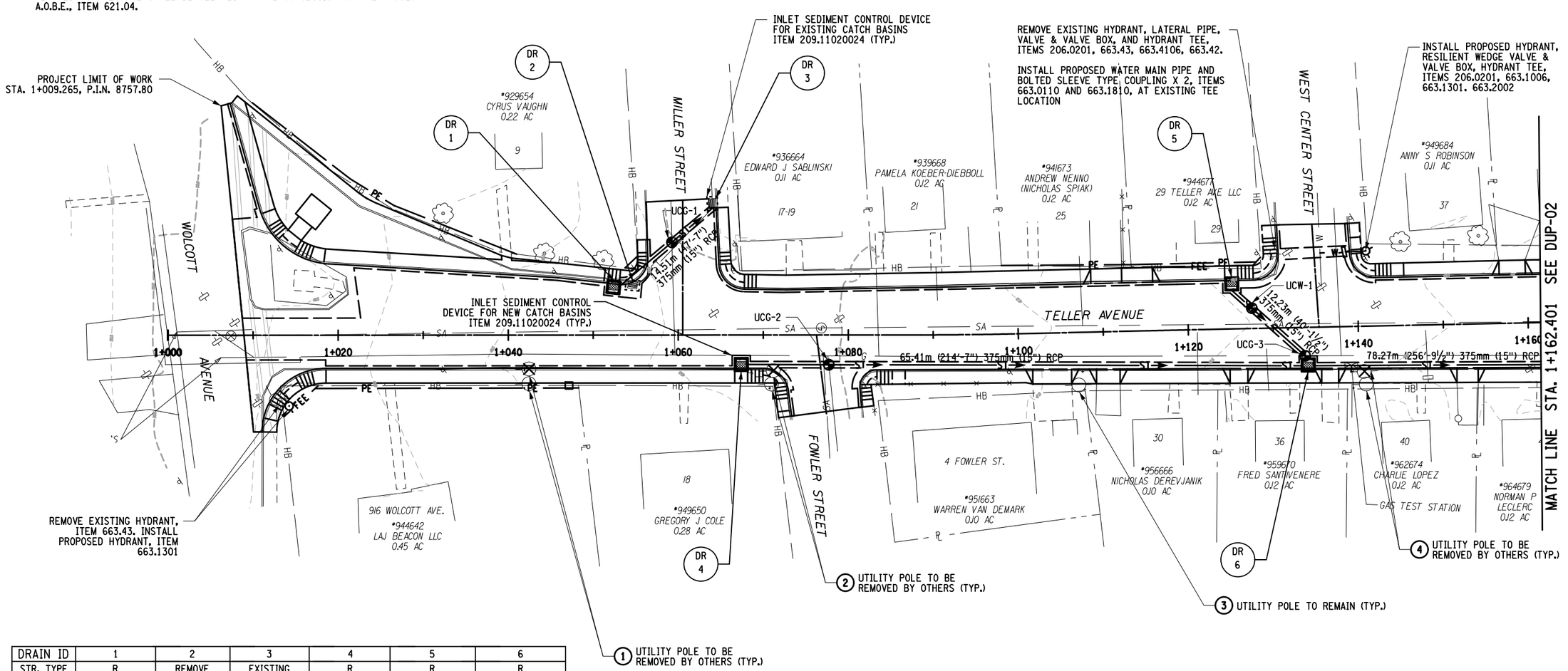
wsp				CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: PRO-11
PE DB	DE SM	PM DW	PROFILES	SCALE: AS SHOWN	SHEET 48 OF 105

NOTES:

1. PROPOSED EROSION CONTROL MEASURES SHALL BE INSTALLED BEFORE CONTRACTOR BEGINS ASSOCIATED EXCAVATION/SUBSURFACE WORK.
2. ALL EXISTING AND PROPOSED GRATED DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS SHALL HAVE SILT PROTECTION INSTALLED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. PAID FOR UNDER ITEM 209.11020024.
3. THE CONTRACTOR SHALL NOT DISCHARGE TURBID WATER INTO CITY DRAINAGE SYSTEM OR ADJACENT WATERS IN SUCH A MANNER THAT WILL CAUSE A VISIBLE CONTRAST IN RECIEVING WATER.
4. PCC PAVEMENT SAW CUTTING: THE CONTRACTOR SHALL NOT ALLOW CONCRETE SLURRY FROM SAWCUTTING ACTIVITIES TO FLOW ACROSS TRAFFIC LANES OR INTO THE CITY DRAINAGE SYSTEM. THE CONTRACTOR SHALL PREPARE A PLAN FOR CONTROLLING SAW CUT SLURRY, SUBJECT TO APPROVAL OF THE ENGINEER PRIOR TO PERFORMING SAW CUTTING OPERATIONS. PAID FOR UNDER ITEM 627.50140008.
5. CONCRETE TRUCK WASHOUT: THE CONTRACTOR SHALL PREPARE A PLAN FOR CONTROLLING WASHOUT OF CONCRETE TRUCKS PROIR TO PERFORMING CONCRETE POURING OPERATIONS. PAID UNDER RESPECTIVE CONCRETE ITEM.
6. CONTRACTOR SHALL REPAIR EXISTING DRAINAGE STRUCTURES AS REQUIRED PRIOR TO SETTING NEW FRAMES AND GRATE/COVERS, PAID UNDER ITEM 604.070107.
7. ALL EXISTING DRAINAGE CULVERTS AND PIPES WITHIN THE PROJECT LIMITS AND NOT PLANNED FOR REMOVAL SHALL BE CLEANED AT THE CONCLUSION OF THE PROJECT A.O.B.E., ITEM 621.03.
8. ALL EXISTING DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS AND NOT PLANNED FOR REMOVAL SHALL BE CLEANED AT THE CONCLUSION OF THE PROJECT A.O.B.E., ITEM 621.04.
9. ALL UCG (UTILITY CONFLICTS - GAS) SHALL BE PAID FOR UNDER ITEM 662.78010005.
10. ALL UCW (UTILITY CONFLICT - WATER) SHALL BE PAID FOR UNDER ITEMS 663.0112, 663.2002, 663.4112, 663.25000010, 663.51000004, AND 663.52000004.
11. ALL UCT (UTILITY CONFLICT - TELECOM) SHALL BE PAID FOR UNDER ITEM 680.52091004.

CITY OF BEACON WATER MAIN MATERIAL NOTES:

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



DRAIN ID		1	2	3	4	5	6
STR. TYPE		R	REMOVE	EXISTING	R	R	R
PIPE SIZE		375mm (15")	375mm (15")	N/A	375mm (15")	375mm (15")	375mm (15")
PIPE LENGTH		14.51m (47'-7")			65.41m (214'-7")	12.23m (40'-1½")	78.27m (256'-9½")
T.G. ELEV.		48.20 (158.14')	48.20 (158.14')	47.50 (155.84')	47.80 (156.82')	46.50 (152.56')	46.30 (151.90')
PIPE INVERT ELEVS.	N	46.70 (153.22')	N/A	N/A	46.30 (151.90')		41.29 (135.47')
	S			46.00 (150.92')			41.29 (135.47')
	E					45.00 (147.64')	
	W						41.29 (135.47')
	E.S.						

LEGEND

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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: DUP-01

PE DB | DE SM | PM DW

DRAINAGE AND UTILITY PLANS

SCALE: AS SHOWN

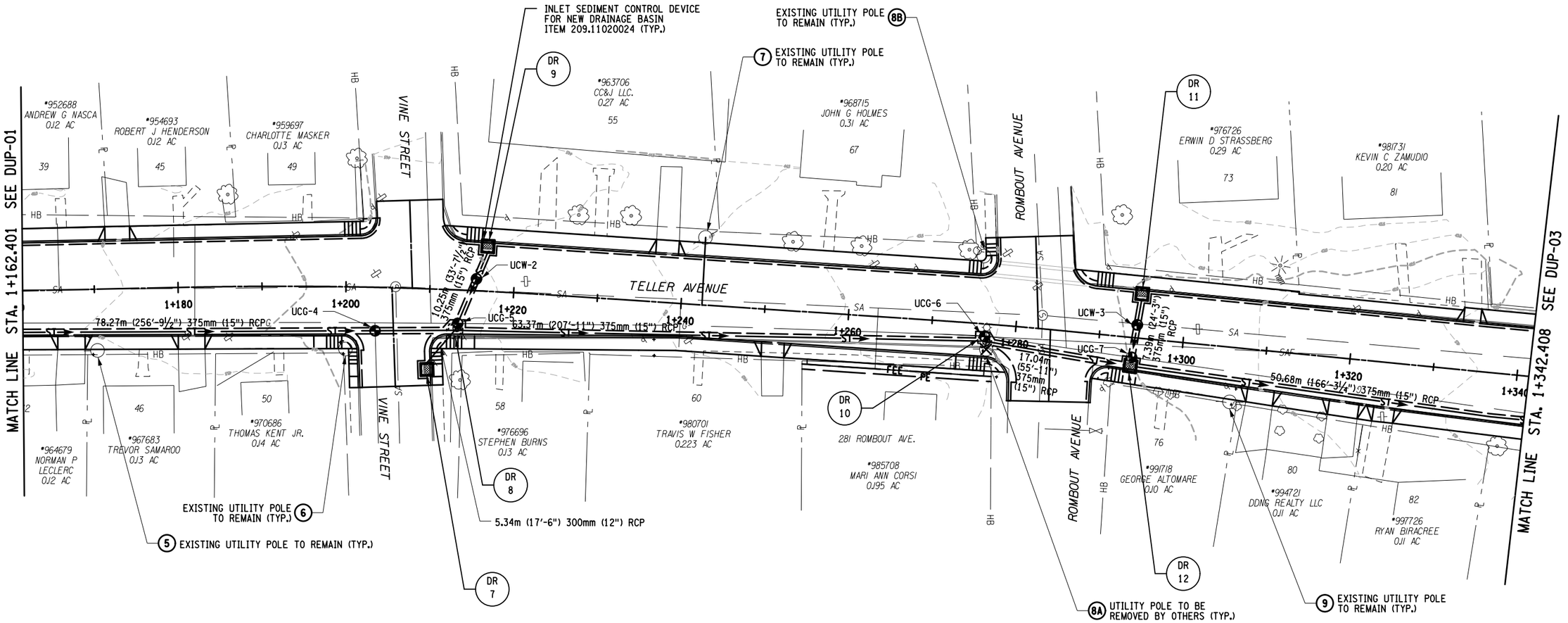
SHEET 49 OF 105

FILE NAME = DDN$SPEC01234567890123456789012345678901234
DATE/TIME = DDN$SYSTIME0123456
USER = DDN$USERNAME

DRAIN ID		7	8	9	10	11	12
STR. TYPE		R	60	R	60	R	R
PIPE SIZE		300mm (12")	375mm (15")	375mm (15")	375mm (15")	375mm (15")	375mm (15")
PIPE LENGTH		5.34m (17'-6")	63.37m (207'-11")	10.25m (33'-7½")	17.04m (55'-11")	7.39m (24'-3")	50.68m (166'-3¼")
T.G. ELEV.		44.70 (146.65')	44.60 (146.33')	44.50 (146')	43.00 (141.08')	42.50 (139.44')	42.50 (139.44')
PIPE INVERT ELEVS.	N	43.20 (141.73')	40.51 (132.91')				39.71 (130.28')
	S		40.51 (132.91')	43.90 (144.03')		39.86 (130.77')	
	E		40.51 (132.91')		39.88 (130.84')		39.71 (130.28')
	W		40.51 (132.91')		39.88 (130.84')		39.86 (130.77')
	E.S.						

NOTES:

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



LEGEND

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

5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC@1234567890123456789012345678901234
DATE/TIME = DGN$STIME@123456
USER = DGN$USERNAME

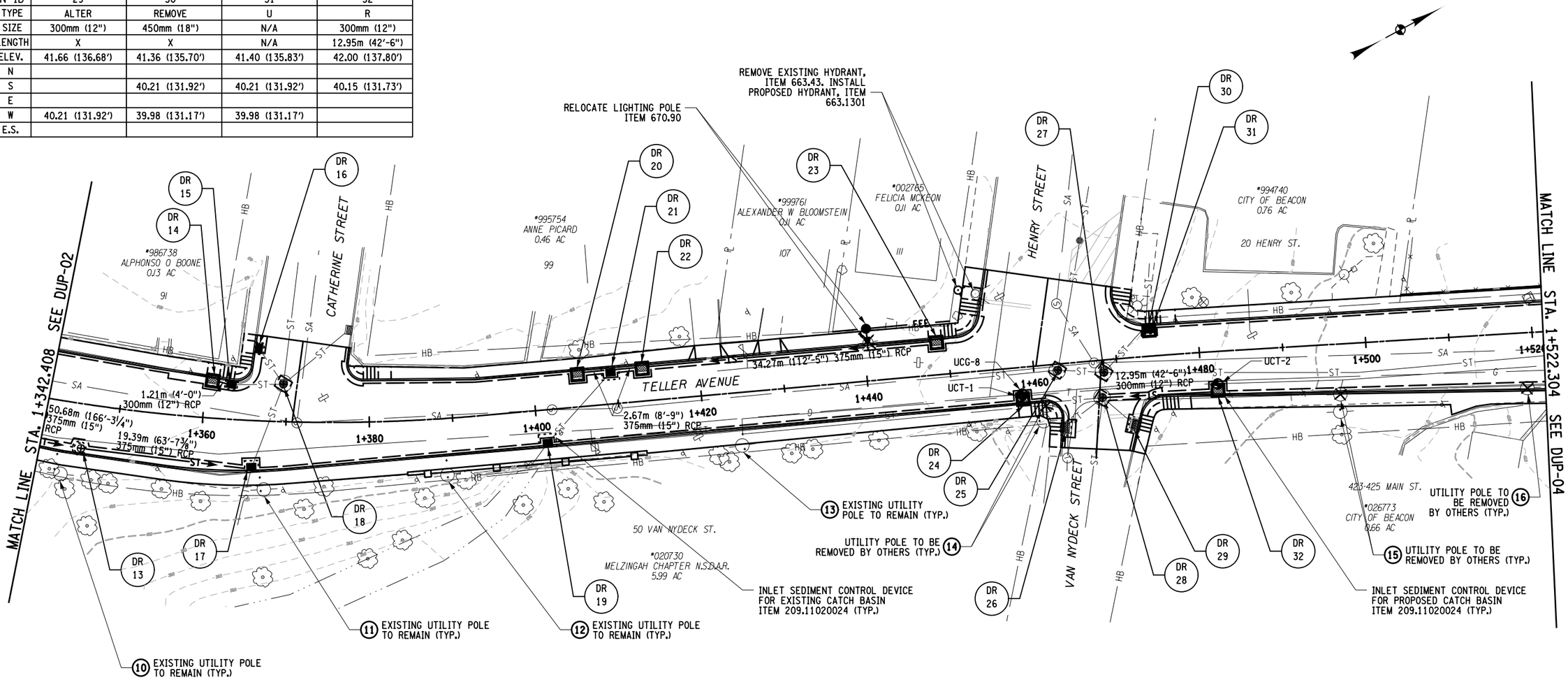
wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES — NO: DUP-02
PE DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS — SCALE: AS SHOWN — SHEET 50 OF 105

DRAIN ID		13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
STR. TYPE		60	R	ALTER	ALTER	ALTER	ALTER	ALTER	R	R	R	R	R	ALTER	ALTER	ALTER	ALTER
PIPE SIZE		375mm (15")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	600mm (24")	375mm (15")	600mm	375mm (15")	375mm (15")	300mm (12")	600mm (24")	300mm (12")	600mm (24")	300mm (12")
PIPE LENGTH		19.39m (63'-7⅜")	1.21m (4'-0")	X	X	X	X	X	2.67m (8'-9")	X	2.67m (8'-9")	34.27m (112'-5")	X	X	X	X	X
T.G. ELEV.		41.25 (135.33')	40.80 (133.86')	40.71 (133.56')	40.69 (133.50')	40.71 (133.56')	40.71 (133.56')	40.46 (132.74')	40.50 (132.87')	40.44 (132.68')	40.50 (132.87')	41.00 (134.51')	41.20 (135.17')	41.33 (135.60')	41.37 (135.73')	41.51 (136.19')	41.54 (136.29')
PIPE INVERT ELEV'S.	N	39.20 (128.61')	39.90 (130.91')	39.77 (130.48')			38.89 (127.59')	38.92 (127.69')	38.20 (125.33')	38.06 (124.87')	38.20 (125.33')		40.25 (132.05')	39.89 (130.87')	40.21 (131.92')	40.05 (131.40')	40.02 (131.30')
	S	39.20 (128.61')		39.77 (130.48')		39.00 (127.95')	38.87 (127.53')			38.06 (124.87')	38.20 (125.33')	39.50 (129.59')	40.25 (132.05')				40.03 (131.33')
	E				39.69 (130.22')	N/A	N/A	N/A		38.06 (124.87')				39.82 (130.64')		39.94 (131.04')	40.12 (131.63')
	W					N/A	38.87 (127.53')	38.16 (125.20')						39.84 (130.71')		39.93 (131.00')	39.85 (130.74')
	E.S.						37.81 (124.05')										40.02 (131.30')

DRAIN ID		29	30	31	32
STR. TYPE		ALTER	REMOVE	U	R
PIPE SIZE		300mm (12")	450mm (18")	N/A	300mm (12")
PIPE LENGTH		X	X	N/A	12.95m (42'-6")
T.G. ELEV.		41.66 (136.68')	41.36 (135.70')	41.40 (135.83')	42.00 (137.80')
PIPE INVERT ELEV'S.	N				
	S		40.21 (131.92')	40.21 (131.92')	40.15 (131.73')
	E				
	W	40.21 (131.92')	39.98 (131.17')	39.98 (131.17')	
	E.S.				



NOTES:

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

LEGEND

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

5 0 5 10 15 m
SCALE

FILE NAME = DDN$SPEC$0123456789012345678901234567890123456789012345678901234
DATE/TIME = DDN$STIME$0123456
USER = DDN$USERNAME

WSP

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

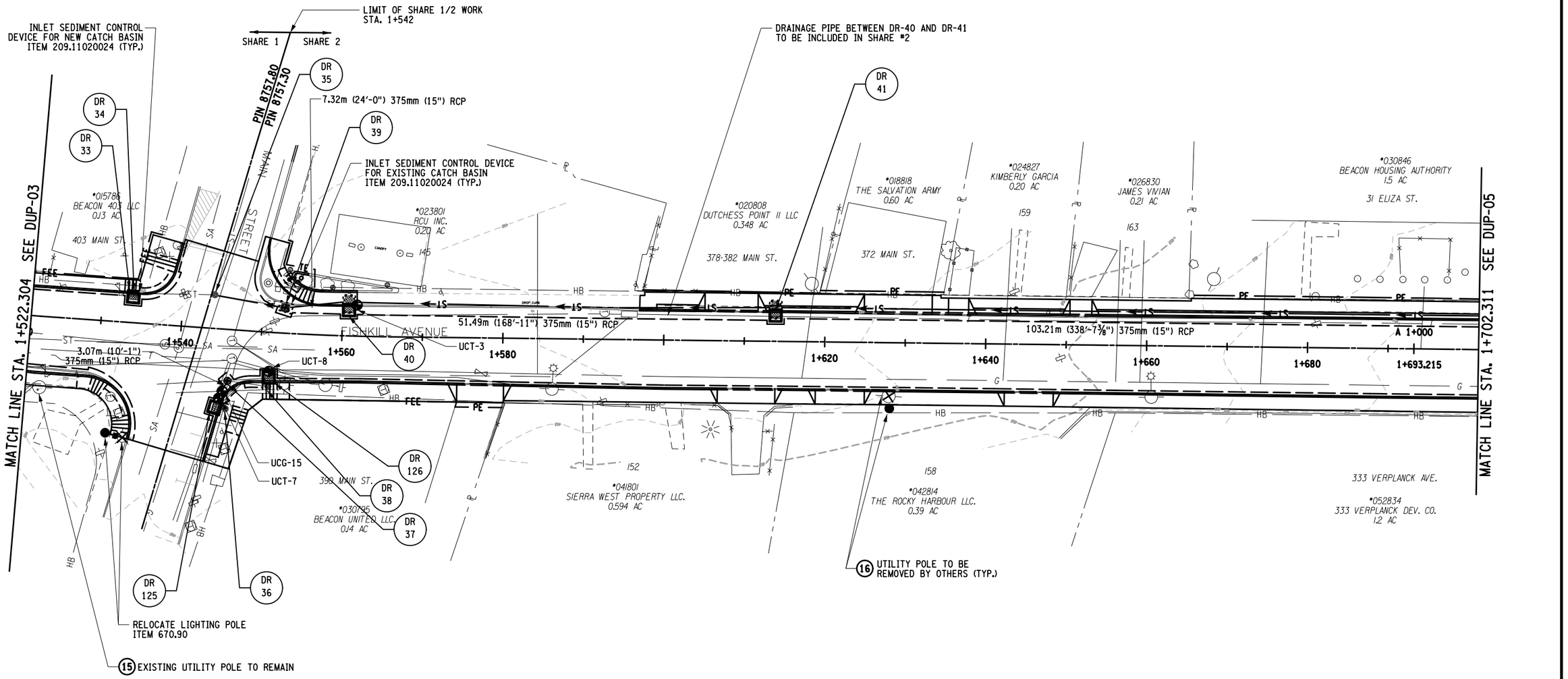
NO: DUP-03

DRAINAGE AND UTILITY PLANS

SCALE: AS SHOWN

SHEET 51 OF 105

DRAIN ID		33	34	35	36	37	38	39	40	41
STR. TYPE		REMOVE	R	ALTER	ALTER	ALTER	ALTER	ALTER	OFFSET	OFFSET
PIPE SIZE		450mm (18")	450mm (18")	450mm (18")	N/A	N/A	N/A	305mm (12")	375mm (15")	375mm (15")
PIPE LENGTH								8.49m (27.8')	8.01m (26.3')	51.49m (168'-11")
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')
PIPE INVERT ELEVS.	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')
	S			42.06 (137.99')	N/A	N/A	N/A	42.25 (138.62')	42.35 (138.94')	42.75 (140.26')
	E				N/A	N/A	N/A			
	W			42.06 (137.99')	N/A	N/A	N/A			
	E.S.				N/A	N/A	N/A			



NOTES:

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

LEGEND

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

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

SCALE 5 0 5 10 15 m

wsp		CITY OF BEACON	
DATE: JANUARY 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: DUP-04
PE DB	DE SM PM DW	DRAINAGE AND UTILITY PLANS	SCALE: AS SHOWN
			SHEET 52 OF 105

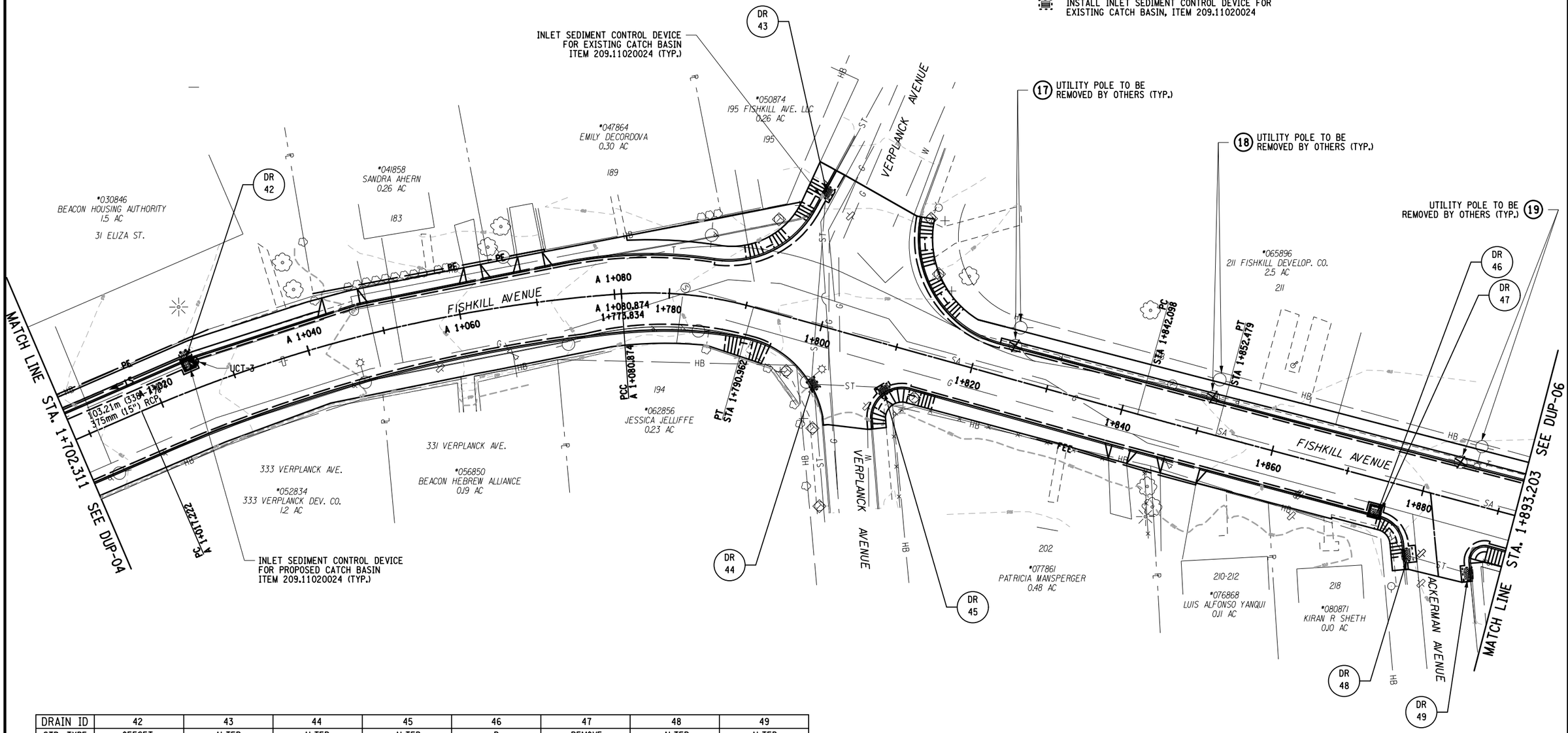
FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME01234567
USER = DGN$USERNAME

NOTES:

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

LEGEND

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



DRAIN ID		42	43	44	45	46	47	48	49
STR. TYPE		OFFSET	ALTER	ALTER	ALTER	R	REMOVE	ALTER	ALTER
PIPE SIZE		375mm (15")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	300mm (12")
PIPE LENGTH		103.21m (338'-7 3/8")							
T.G. ELEV.		46.75 (153.38')	49.89 (163.68')	49.89 (163.68')	49.89 (163.68')	49.00 (160.76')	49.10 (161.10')	48.98 (160.70')	48.70 (159.78')
PIPE INVERT ELEV'S.	N			49.12 (161.15')				47.51 (155.87')	
	S	45.00 (147.64')	49.24 (161.55')		49.24 (161.55')				47.48 (155.77')
	E			49.12 (161.15')		47.90 (157.15')	47.88 (157.09')		47.45 (155.68')
	W			N/A				47.71 (156.53')	
	E.S.								

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: DUP-05

PE DB | DE SM | PM DW

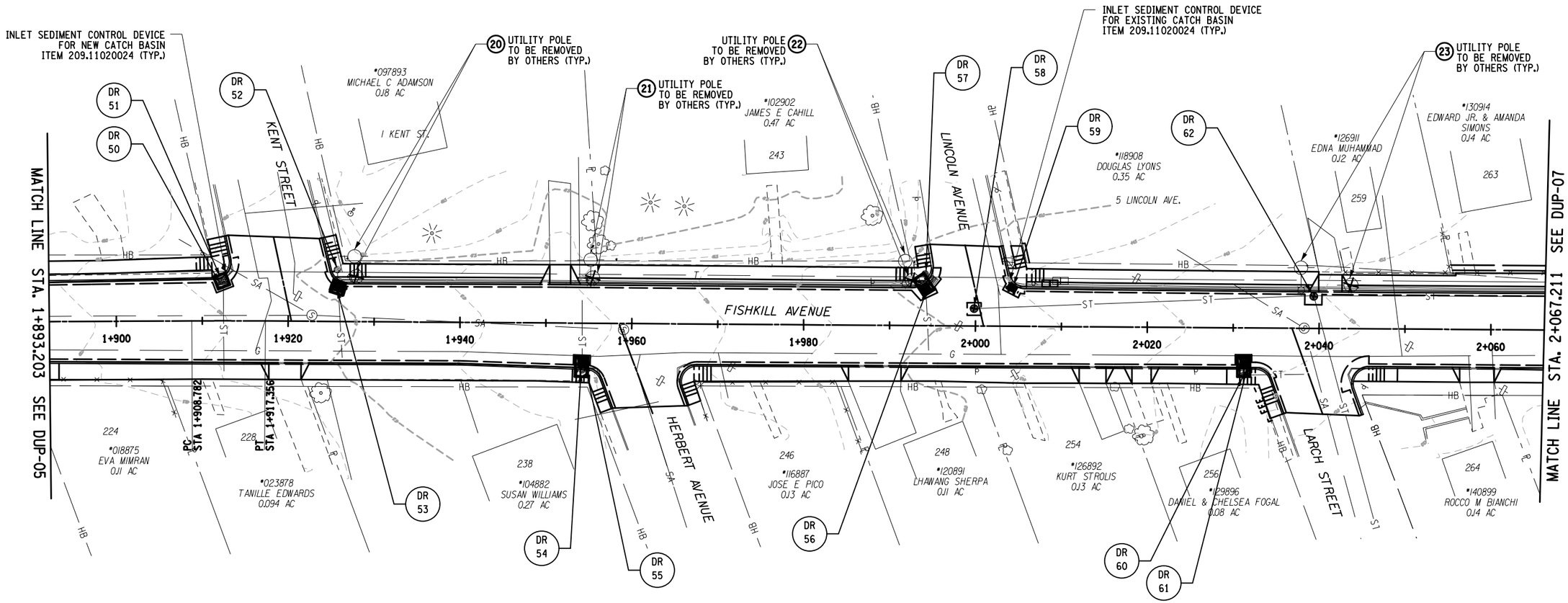
DRAINAGE AND UTILITY PLANS

SCALE: AS SHOWN

SHEET 53 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

MH ID		50	51	52	53	54	55	56	57	58	59	60	61	62
MH TYPE		REMOVE	R	REMOVE	R	REMOVE	M	M	REMOVE	ALTER	ALTER	REMOVE	M	ALTER
PIPE SIZE		150mm (6")	150mm (6")	N/A	N/A	300mm (12")	300mm (12")	150mm (6")	150mm (6")	450mm (18")	N/A	N/A	N/A	450mm (18")
PIPE LENGTH														
COV. ELEV.		47.84 (156.96')	47.84 (156.96')	47.51 (155.87')	47.40 (155.51')	46.57 (152.79')	46.57 (152.79')	44.85 (147.15')	44.85 (147.15')	44.73 (146.75')	44.50 (146')	43.76 (143.57')	43.76 (143.57')	43.49 (142.68')
PIPE INVERT ELEVS.	N					45.78 (150.20')	45.80 (150.26')							
	S	46.76 (153.41')	46.76 (153.41')	46.70 (153.22')	46.70 (153.22')			44.00 (144.36')	44.03 (144.46')					42.36 (138.98')
	E									N/A		42.52 (139.50')	42.52 (139.50')	42.51 (139.47')
	W										N/A			42.42 (139.17')
	E.S.													



NOTES:

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

LEGEND

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

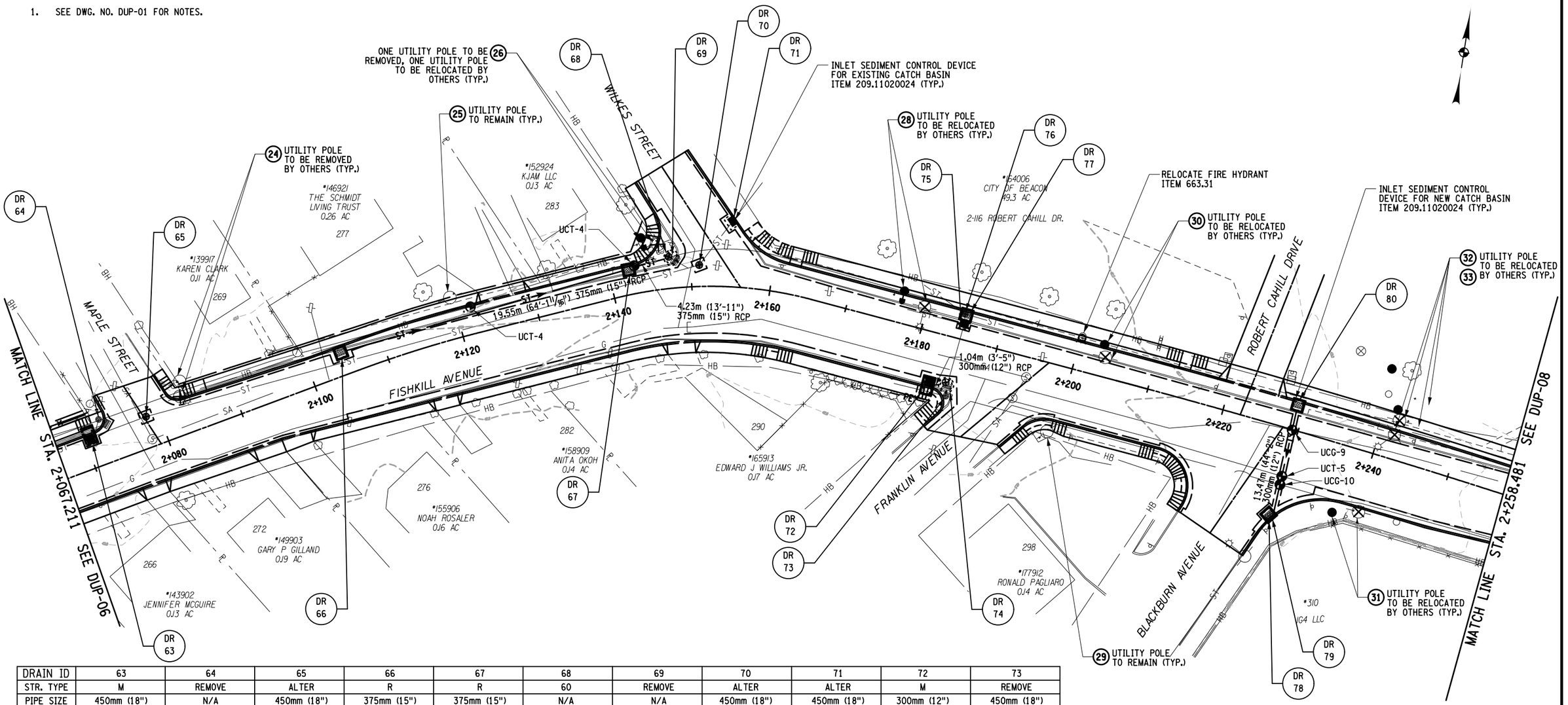
5 0 5 10 15 m
SCALE

wsp			CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: DUP-06
PE DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS	SCALE: AS SHOWN
				SHEET 54 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME$0123456
USER = DGN$USERNAME

NOTES:

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



DRAIN ID		63	64	65	66	67	68	69	70	71	72	73
STR. TYPE		M	REMOVE	ALTER	R	R	60	REMOVE	ALTER	ALTER	M	REMOVE
PIPE SIZE		450mm (18")	N/A	450mm (18")	375mm (15")	375mm (15")	N/A	N/A	450mm (18")	450mm (18")	300mm (12")	450mm (18")
PIPE LENGTH					19.55m (64'-11 11/16")	4.23m (13'-11")					1.04m (3'-5")	
T.G. ELEV.		43.00 (141.08')	43.02 (141.14')	42.86 (140.62')	42.50 (139.44')	42.25 (138.62')	42.20 (138.45')	42.23 (138.55')	42.23 (138.55')	42.13 (138.55')	42.10 (138.12')	42.18 (138.39')
PIPE INVERT ELEV'S.	N								41.19 (135.14')	41.71 (136.84')	40.65 (133.37')	40.57 (133.10')
	S		41.87 (137.37')							41.78 (137.07')		40.60 (133.20')
	E	41.40 (135.83')		41.78 (137.07')	41.45 (135.99')	41.23 (135.27')	41.20 (135.17')	41.40 (135.83')			40.97 (134.42')	40.97 (134.42')
	W	41.40 (135.83')		41.80 (137.14')		41.23 (135.27')	41.20 (135.17')		41.18 (135.10')		40.97 (134.42')	
	E.S.											

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

LEGEND

INSTALL INLET SEDIMENT CONTROL DEVICE FOR NEW CATCH BASIN, ITEM 209.110200241

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

5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME20123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: DUP-07

PE DB | DE SM | PM DW

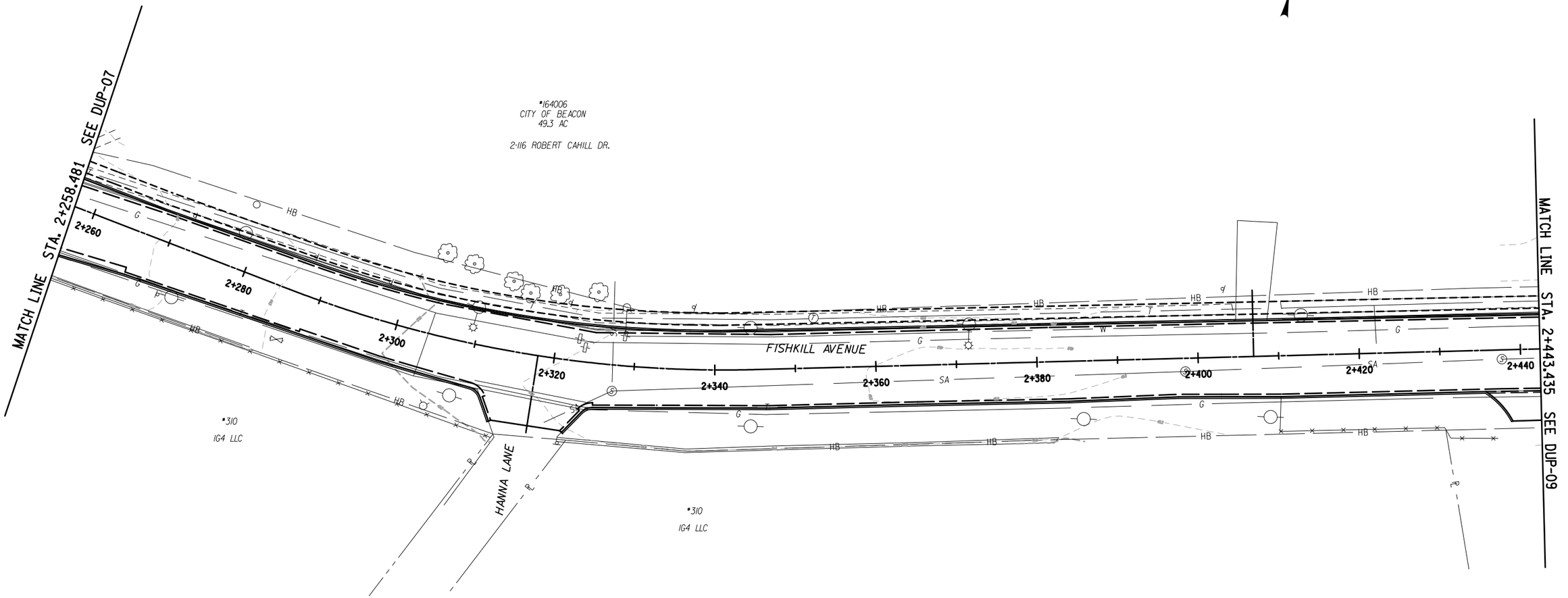
DRAINAGE AND UTILITY PLANS

SCALE: AS SHOWN

SHEET 55 OF 105

NOTES:

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



LEGEND

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

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

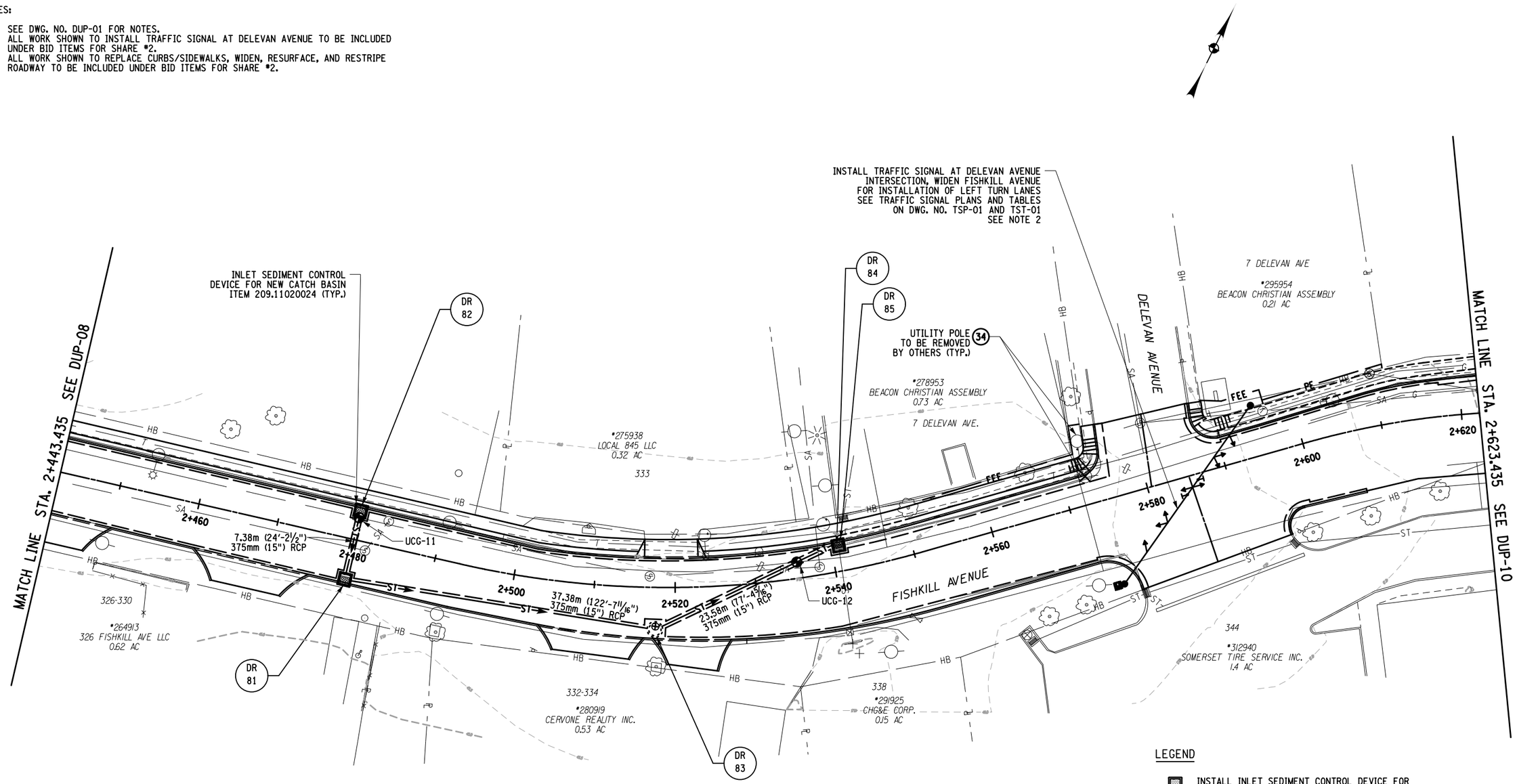
5 0 5 10 15 m
SCALE

wsp				CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: DUP-08
PE DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS	SCALE: AS SHOWN	SHEET 56 OF 105

FILE NAME = DGN$SPEC012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME012345
USER = DGN$USERNAME

NOTES:

1. SEE DWG. NO. DUP-01 FOR NOTES.
2. ALL WORK SHOWN TO INSTALL TRAFFIC SIGNAL AT DELEVAN AVENUE TO BE INCLUDED UNDER BID ITEMS FOR SHARE *2.
3. ALL WORK SHOWN TO REPLACE CURBS/SIDEWALKS, WIDEN, RESURFACE, AND RESTRIPE ROADWAY TO BE INCLUDED UNDER BID ITEMS FOR SHARE *2.



DRAIN ID		81	82	83	84	85
STR. TYPE		R	R	60	REMOVE	R
PIPE SIZE		375mm (15")	375mm (15")	375mm (15")	600mm (24")	600mm (24")
PIPE LENGTH		37.38m (122'-7¹¹/₁₆")	7.38m (24'-2½")	23.58m (77'-4⁵/₁₆")		
T.C. ELEV.		45.60 (149.61')	45.65 (149.77')	45.60 (149.61')	45.26 (148.49')	45.26 (148.49')
PIPE INVERT ELEVS.	N	44.73 (146.75')			44.18 (144.95')	44.18 (144.95')
	S		44.80 (146.98')		44.11 (144.72')	44.11 (144.72')
	E	44.73 (146.75')		44.30 (145.34')		
	W			44.30 (145.34')		44.18 (144.95')
	E.S.					

LEGEND

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

5 0 5 10 15 m
SCALE

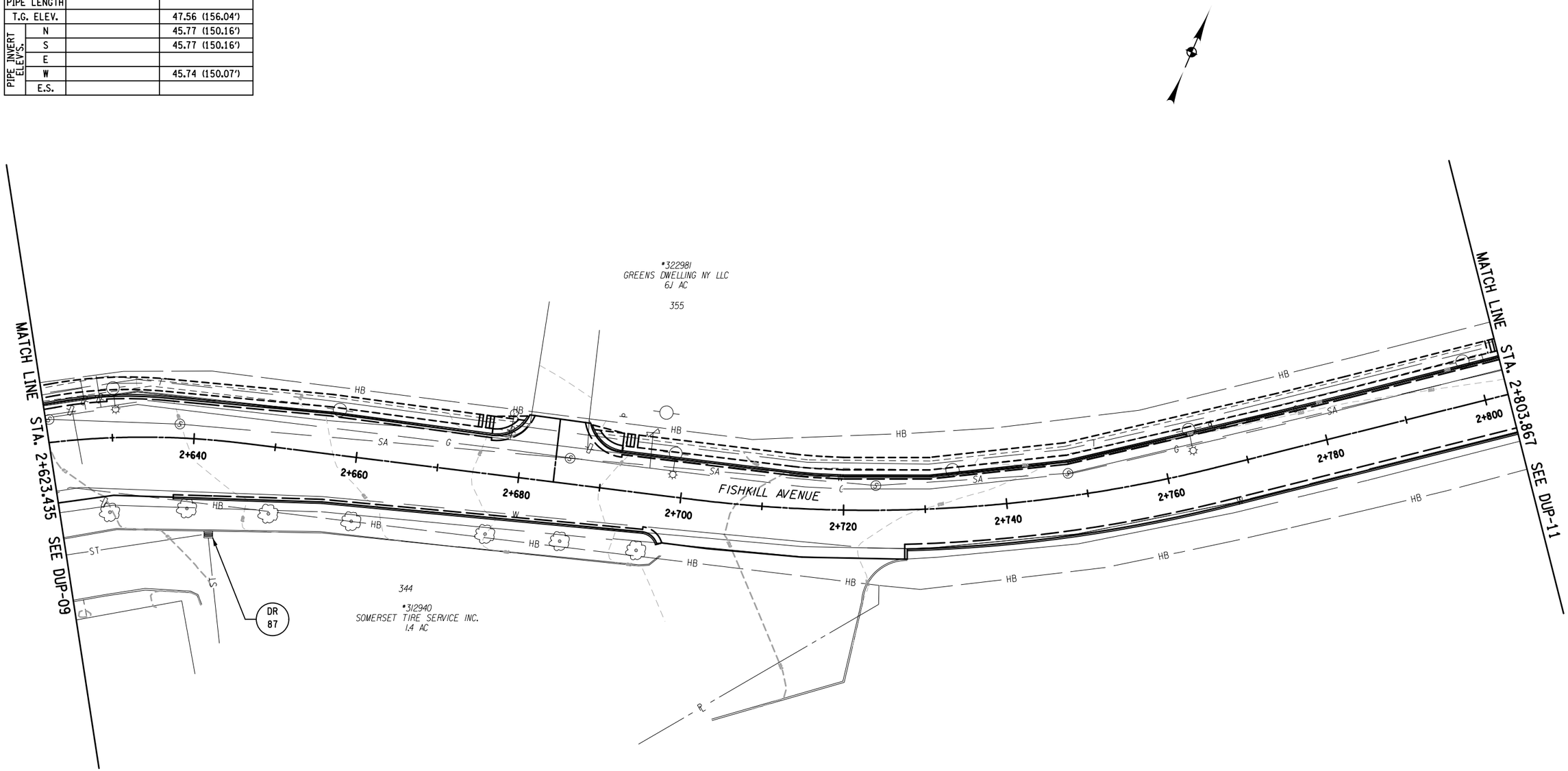
wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: DUP-09
PE DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS	SCALE: AS SHOWN	SHEET 57 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME$0123456
USER = DGN$USERNAME

DRAIN ID		86 (NOT USED)	87
STR. TYPE			EXISTING
PIPE SIZE			450mm (18")
PIPE LENGTH			
T.G. ELEV.			47.56 (156.04')
PIPE INVERT ELEVS.	N		45.77 (150.16')
	S		45.77 (150.16')
	E		
	W		45.74 (150.07')
	E.S.		



LEGEND

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

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

NOTES:

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

5 0 5 10 15 m
SCALE

wsp

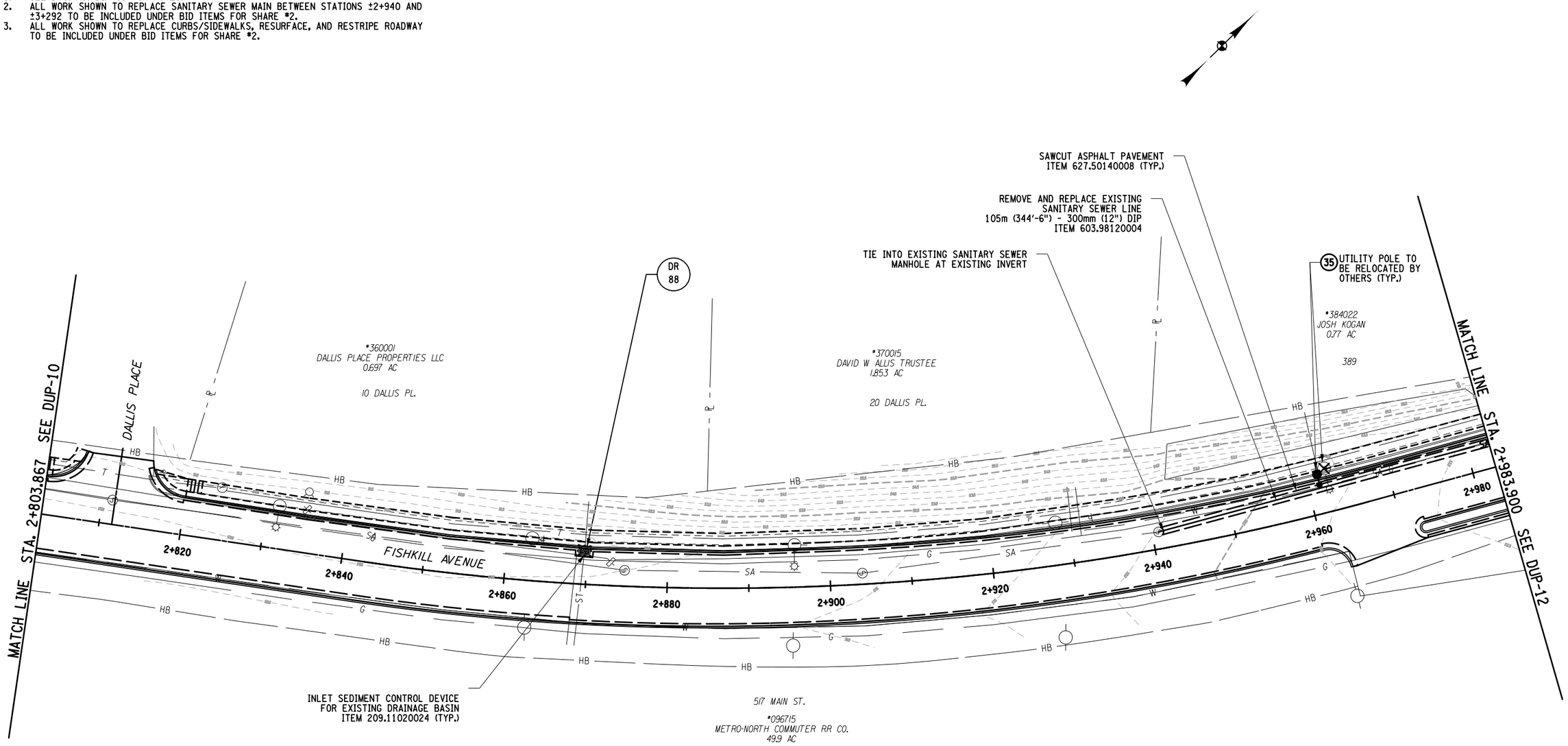
CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: DUP-10
PE DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS	SCALE: AS SHOWN	SHEET 58 OF 105

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

NOTES:

1. SEE DWG. NO. DUP-01 FOR NOTES.
2. ALL WORK SHOWN TO REPLACE SANITARY SEWER MAIN BETWEEN STATIONS ±2+940 AND ±3+292 TO BE INCLUDED UNDER BID ITEMS FOR SHARE #2.
3. ALL WORK SHOWN TO REPLACE CURBS/SIDEWALKS, RESURFACE, AND RESTRIPE ROADWAY TO BE INCLUDED UNDER BID ITEMS FOR SHARE #2.



DRAIN ID		88
STR. TYPE		ALTER
PIPE SIZE		600mm (24")
PIPE LENGTH		
T.G. ELEV.		50.29 (164.99')
PIPE INVERT ELEVS.	N	N/A
	S	48.69 (159.74')
	E	
	W	
	E.S.	

LEGEND

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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: DUP-11
PE DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS	SCALE: AS SHOWN
				SHEET 59 OF 105

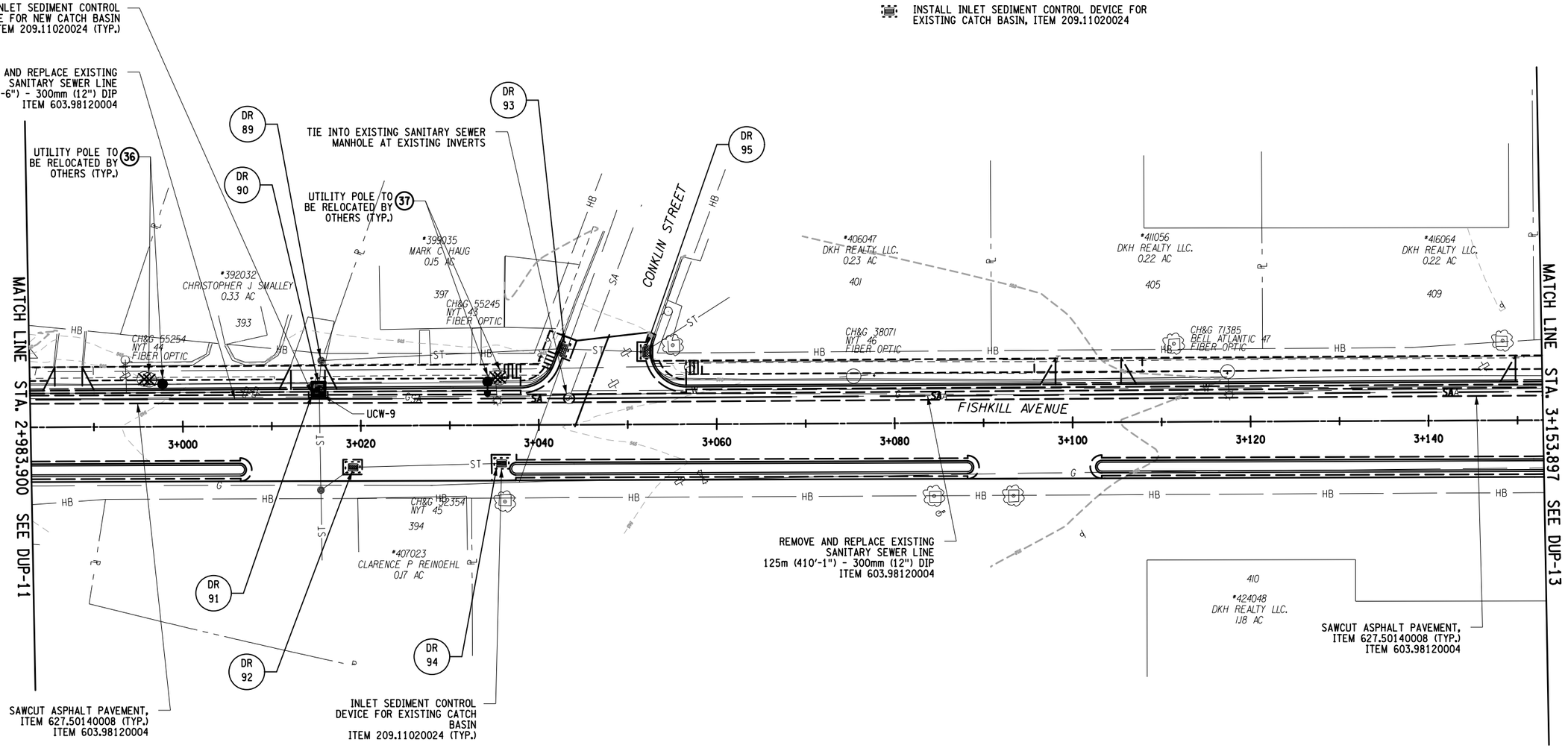
FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$STIME0123456
USER = DGN$USERNAME

NOTES:

1. SEE DWG. NO. DUP-01 FOR NOTES.
2. ALL WORK SHOWN TO REPLACE SANITARY SEWER MAIN BETWEEN STATIONS ±2+940 AND ±3+292 TO BE INCLUDED UNDER BID ITEMS FOR SHARE #2.
3. ALL WORK SHOWN TO REPLACE CURBS/SIDEWALKS, RESURFACE, AND RESTRIPE ROADWAY TO BE INCLUDED UNDER BID ITEMS FOR SHARE #2.

LEGEND

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



DRAIN ID		89	90	91	92	93	94	95
STR. TYPE		EXISTING	REMOVE	U	ALTER	ALTER	ALTER	ALTER
PIPE SIZE		300mm (12")	450mm (18")	450mm (18")	300mm (12")	450mm (18")	300mm (12")	300mm (12")
PIPE LENGTH								
T.G. ELEV.		54.31 (178.18')	54.15 (177.66')	54.15 (177.66')	54.19 (177.79')	54.24 (177.95')	54.30 (178.15')	54.42 (178.54')
PIPE INVERT ELEV'S.	N	53.10 (174.21')	53.00 (173.89')	53.00 (173.89')	53.69 (176.15')	53.45 (175.36')		53.81 (176.54')
	S		53.03 (173.98')	53.03 (173.98')	53.73 (176.28')	53.33 (174.97')	53.89 (176.80')	53.79 (176.48')
	E	53.05 (174.05')						
	W							
	E.S.							

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: DUP-12

PE DB | DE SM | PM DW

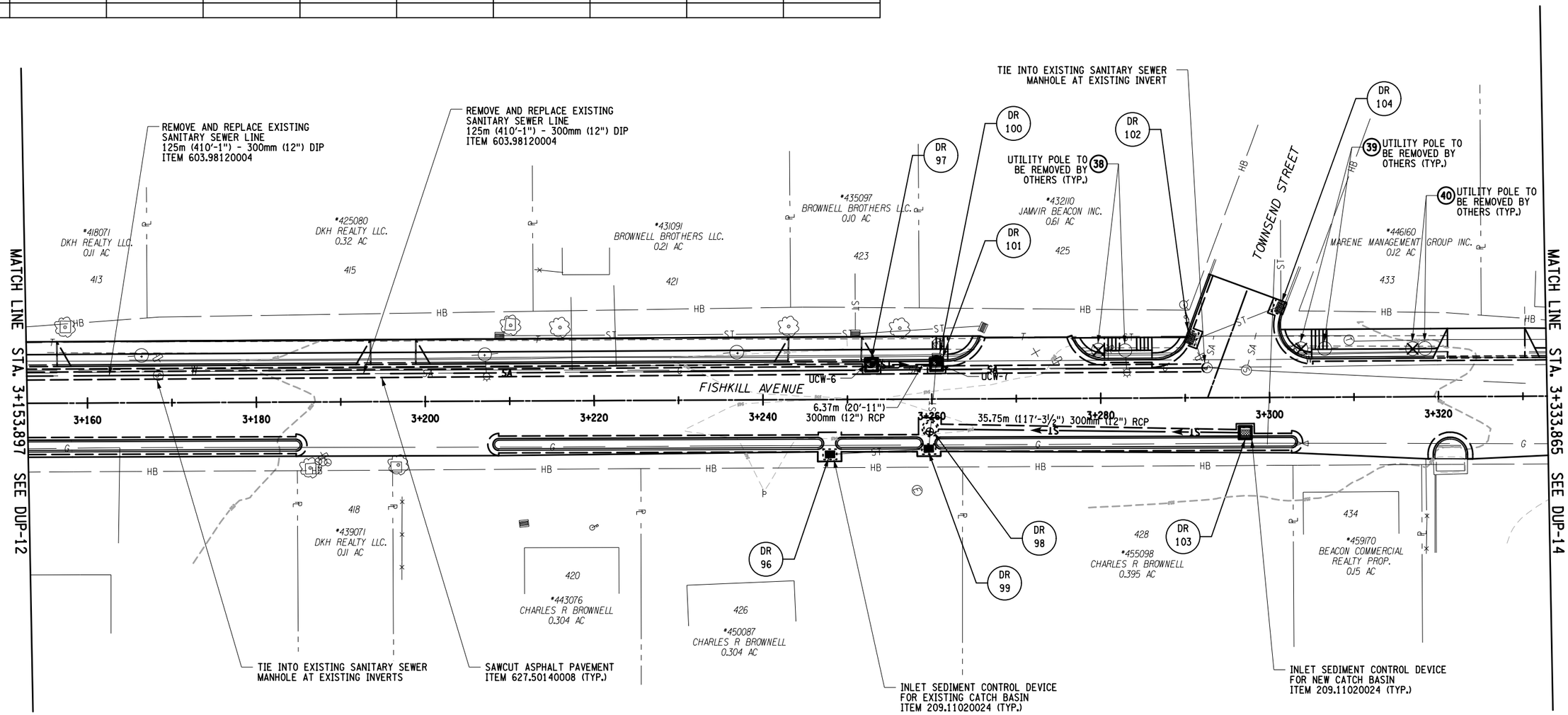
DRAINAGE AND UTILITY PLANS

SCALE: AS SHOWN

SHEET 60 OF 105

FILE NAME = DDN$SPEC\0123456789\0123456789\0123456789\0123456789\1234
DATE/TIME = DDN$STIME\0123456
USER = DDN$USERNAME

DRAIN ID		96	97	98	99	100	101	102	103	104
STR. TYPE		ALTER	R	60	ALTER	REMOVE	R	ALTER	R	ALTER
PIPE SIZE		300mm (12")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	800mm (32")
PIPE LENGTH			6.37m (20'-11")						35.75m (117'-3½")	
T.G. ELEV.		54.35 (178.31')	54.40 (178.48')	54.50 (178.81')	54.34 (178.28')	54.32 (178.22')	54.32 (178.22')	54.57 (179.04')	57.70 (189.30')	54.73 (179.56')
PIPE INVERT ELEV'S.	N	53.41 (175.23')	52.60 (172.57')	54.34 (178.28')				53.23 (174.64')		
	S				53.24 (174.67')		52.56 (172.44')	53.20 (174.54')	56.20 (184.38')	53.33 (174.97')
	E			54.34 (178.28')						
	W			54.34 (178.28')	52.56 (172.44')	52.56 (172.44')	52.56 (172.44')			53.39 (175.16')
	E.S.									



NOTES:

1. SEE DWG. NO. DUP-01 FOR NOTES.
2. ALL WORK SHOWN TO REPLACE SANITARY SEWER MAIN BETWEEN STATIONS ±2+940 AND ±3+292 TO BE INCLUDED UNDER BID ITEMS FOR SHARE *2.
3. ALL WORK SHOWN TO REPLACE CURBS/SIDEWALKS, RESURFACE, AND RESTRIPE ROADWAY TO BE INCLUDED UNDER BID ITEMS FOR SHARE *2.

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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: DUP-13

PE DB | DE SM | PM DW

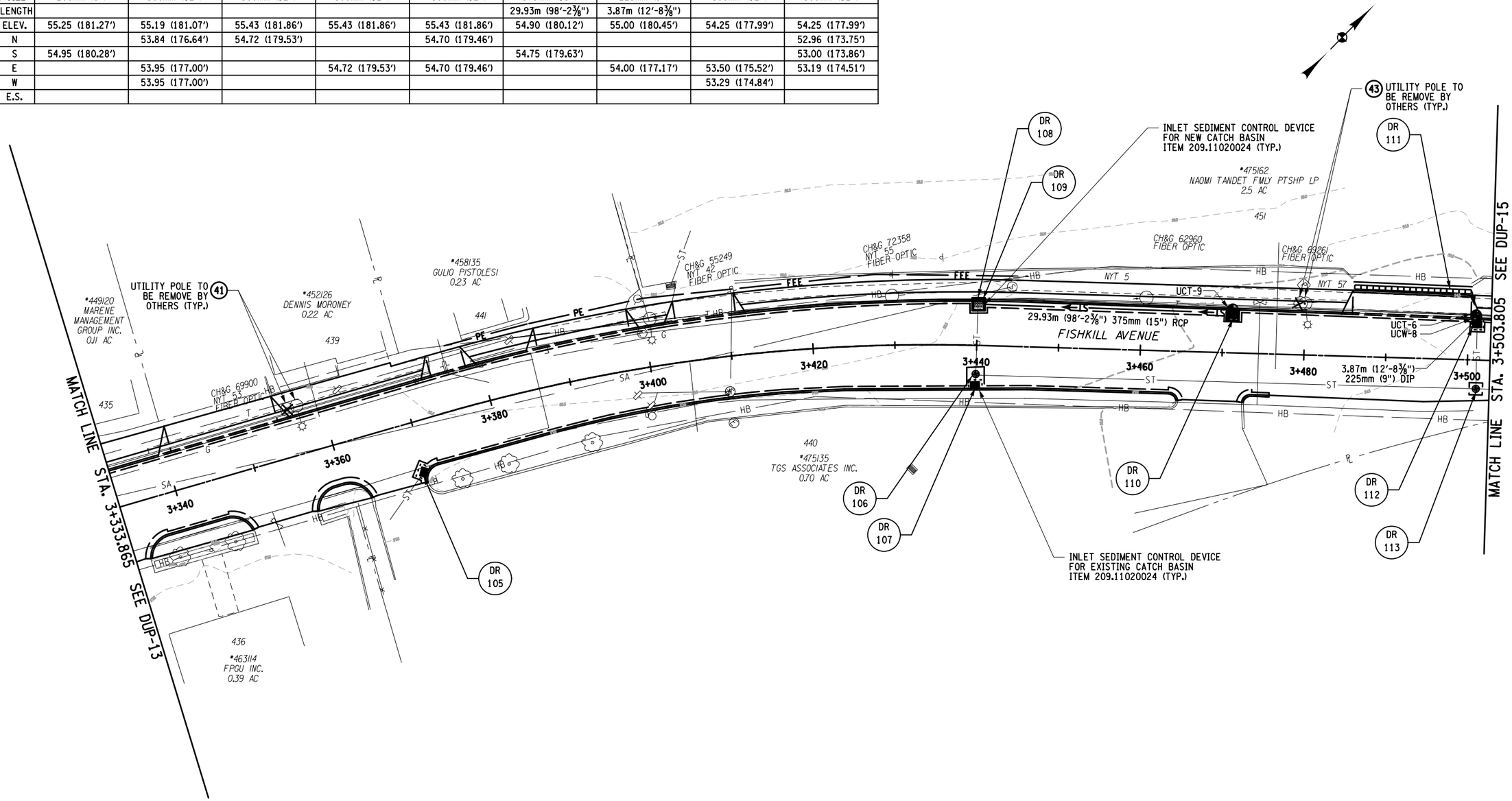
DRAINAGE AND UTILITY PLANS

SCALE: AS SHOWN

SHEET 61 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$STIME01234567
USER = DGN$USERNAME

DRAIN ID		105	106	107	108	109	110	111	112	113
STR. TYPE		ALTER	ALTER	ALTER	REMOVE	R	U	TRENCH	ALTER	ALTER
PIPE SIZE		200mm (8")	300mm (12")	300mm (12")	300mm (12")	300mm (12")	375mm (15")	225mm (9")	300mm (12")	300mm (12")
PIPE LENGTH							29.93m (98'-2⅜")	3.87m (12'-8⅜")		
T.G. ELEV.		55.25 (181.27')	55.19 (181.07')	55.43 (181.86')	55.43 (181.86')	55.43 (181.86')	54.90 (180.12')	55.00 (180.45')	54.25 (177.99')	54.25 (177.99')
PIPE INVERT ELEVS.	N		53.84 (176.64')	54.72 (179.53')		54.70 (179.46')				52.96 (173.75')
	S	54.95 (180.28')					54.75 (179.63')			53.00 (173.86')
	E		53.95 (177.00')		54.72 (179.53')	54.70 (179.46')		54.00 (177.17')	53.50 (175.52')	53.19 (174.51')
	W		53.95 (177.00')						53.29 (174.84')	
	E.S.									



NOTES:

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

LEGEND

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

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

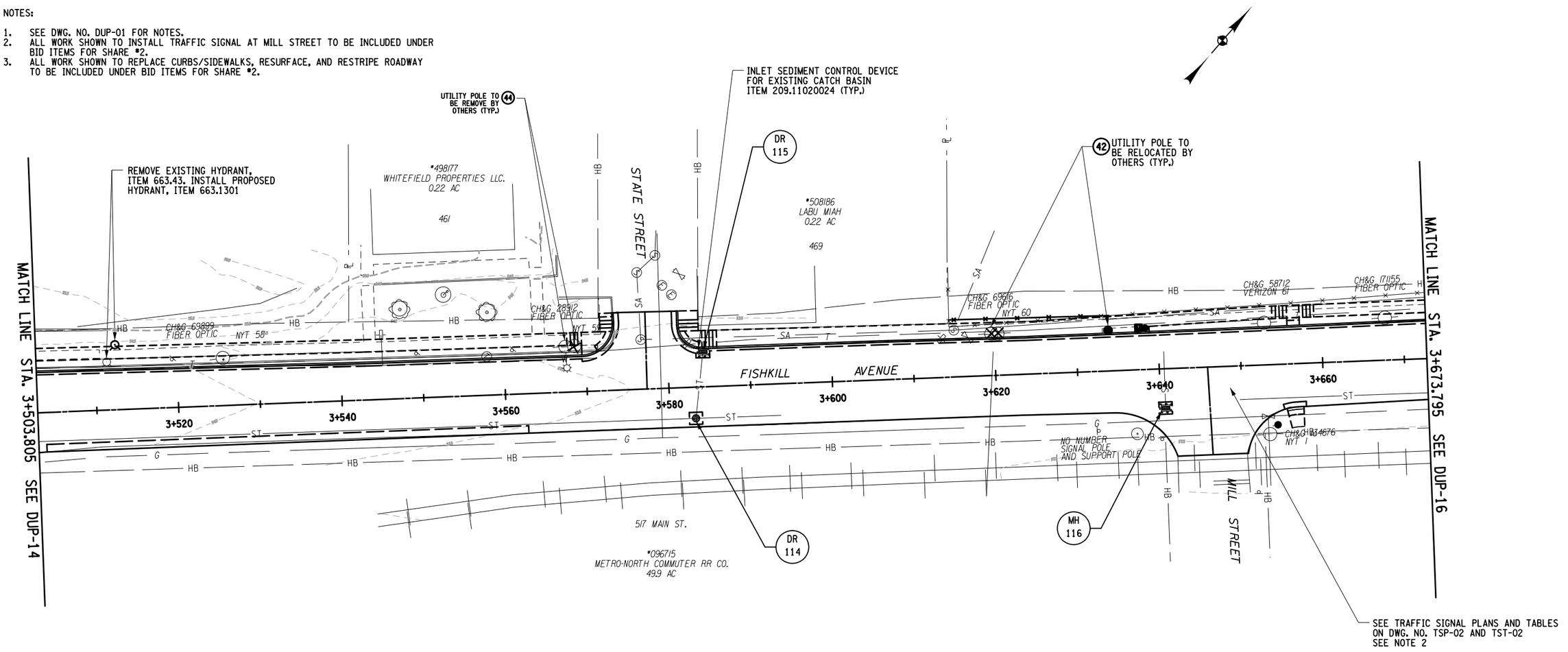
5 0 5 10 15 m
SCALE

wsp			CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: DUP-14
PE DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS	SCALE: AS SHOWN
				SHEET 62 OF 105

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

NOTES:

1. SEE DWG. NO. DUP-01 FOR NOTES.
2. ALL WORK SHOWN TO INSTALL TRAFFIC SIGNAL AT MILL STREET TO BE INCLUDED UNDER BID ITEMS FOR SHARE #2.
3. ALL WORK SHOWN TO REPLACE CURBS/SIDEWALKS, RESURFACE, AND RESTRIPE ROADWAY TO BE INCLUDED UNDER BID ITEMS FOR SHARE #2.



DRAIN ID		114	115	116
STR. TYPE		ALTER	ALTER	ALTER
PIPE SIZE		150mm (6")	300mm (12")	150mm (6")
PIPE LENGTH				
T.G. ELEV.		53.33 (174.97')	53.28 (171.52')	53.15 (174.38')
PIPE INVERT ELEV'S.	N	52.11 (170.96')		
	S	52.14 (171.06')		
	E		52.27 (171.50')	
	W	52.23 (171.36')		51.98 (170.54')
	E.S.			

LEGEND

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

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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: DUP-15

PE DB | DE SM | PM DW

DRAINAGE AND UTILITY PLANS

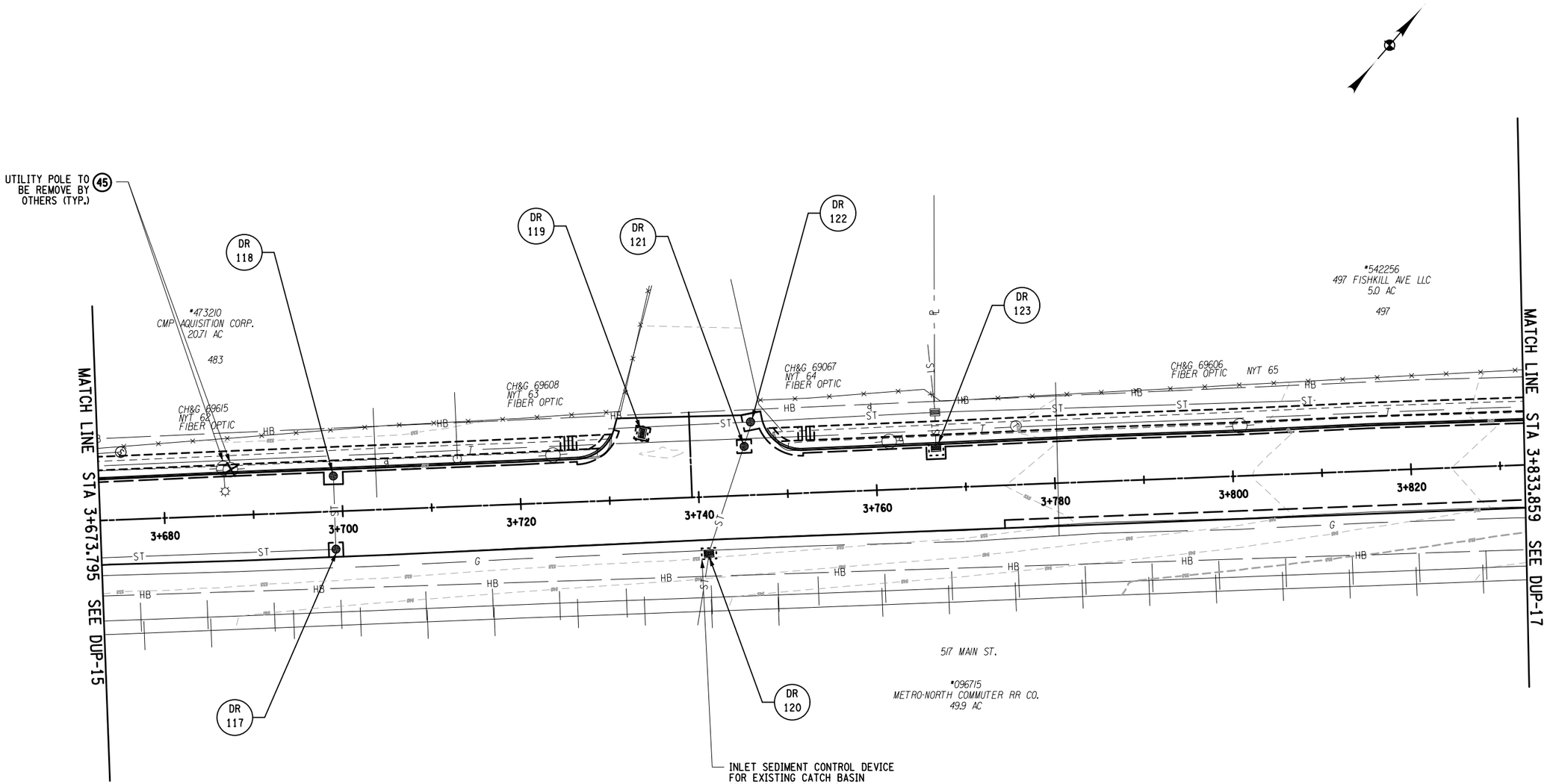
SCALE: AS SHOWN

SHEET 63 OF 105

FILE NAME = DGN$SPEC012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIMED123456
USER = DGN$USERNAME

NOTES:

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



DRAIN ID		117	118	119	120	121	122	123
STR. TYPE		ALTER	ALTER	ALTER	ALTER	ALTER	ALTER	ALTER
PIPE SIZE		300mm (12")	300mm (12")	300mm (12")	600mm (24")	600mm (24")	600mm (24")	300mm (12")
PIPE LENGTH								
T.G. ELEV.		53.00 (173.89')	52.97 (173.79')	51.91 (170.31')	52.85 (173.39')	52.99 (173.85')	53.06 (174.08')	53.24 (174.67')
PIPE INVERT ELEV'S.	N			50.89 (166.96')			51.74 (169.75')	
	S	51.70 (169.62')					N/A	
	E		51.97 (170.51')		51.16 (167.85')	N/A	N/A	
	W	51.84 (170.08')			51.47 (168.86')	N/A	51.26 (168.18')	52.24 (171.39')
	E.S.							

LEGEND

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

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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: DUP-16

PE DB | DE SM | PM DW

DRAINAGE AND UTILITY PLANS

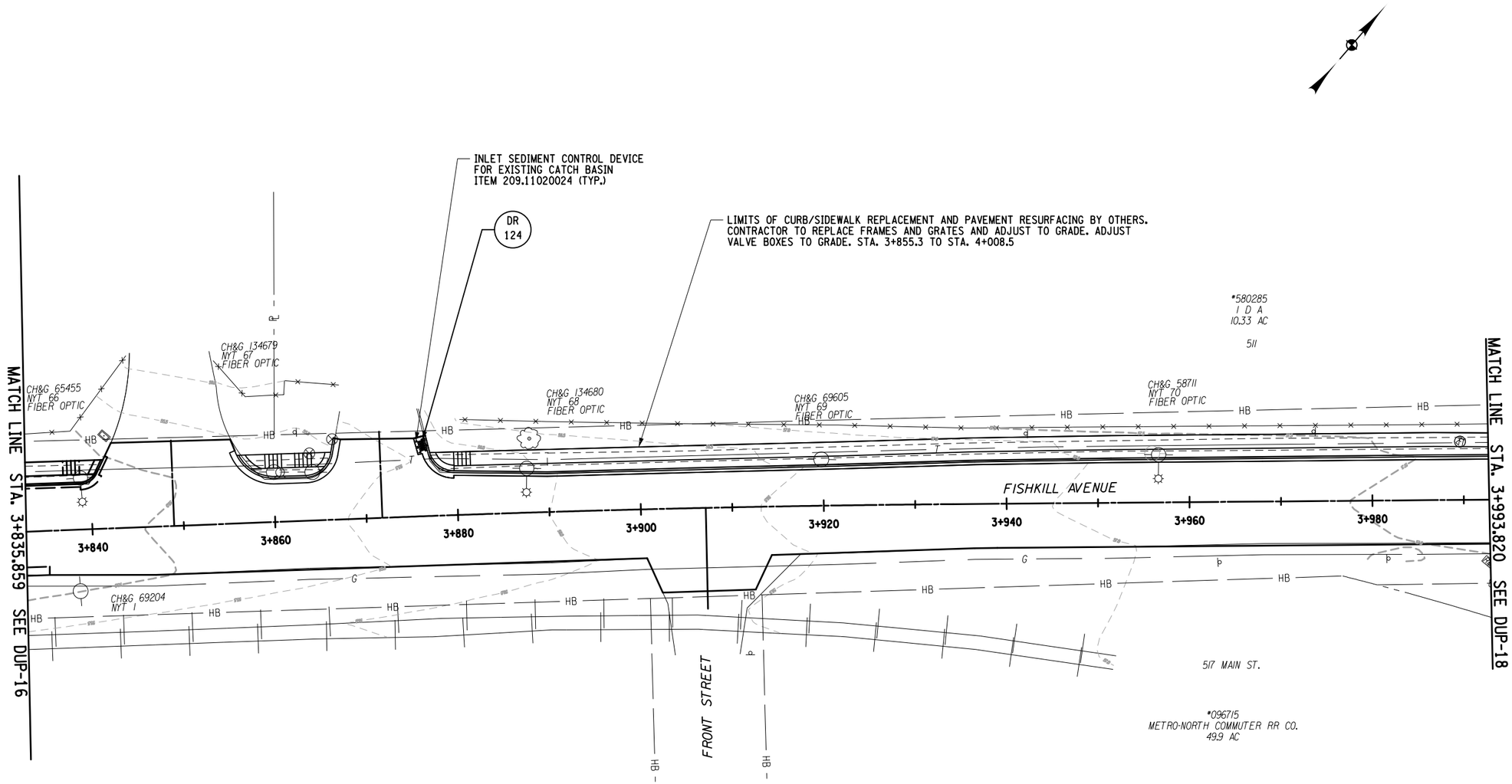
SCALE: AS SHOWN

SHEET 64 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME01234567
USER = DGN$USERNAME

NOTES:

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



DRAIN ID		124
STR. TYPE		ADJUST
PIPE SIZE		N/A
PIPE LENGTH		
T.G. ELEV.		55.55 (182.25')
PIPE INVERT ELEV'S.	N	
	S	N/A
	E	
	W	
	E.S.	

LEGEND

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

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

5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME$0123456
USER = DGN$USERNAME

WSP

CITY OF BEACON

DATE: JANUARY 2023

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

NO: DUP-17

PE DB | DE SM | PM DW

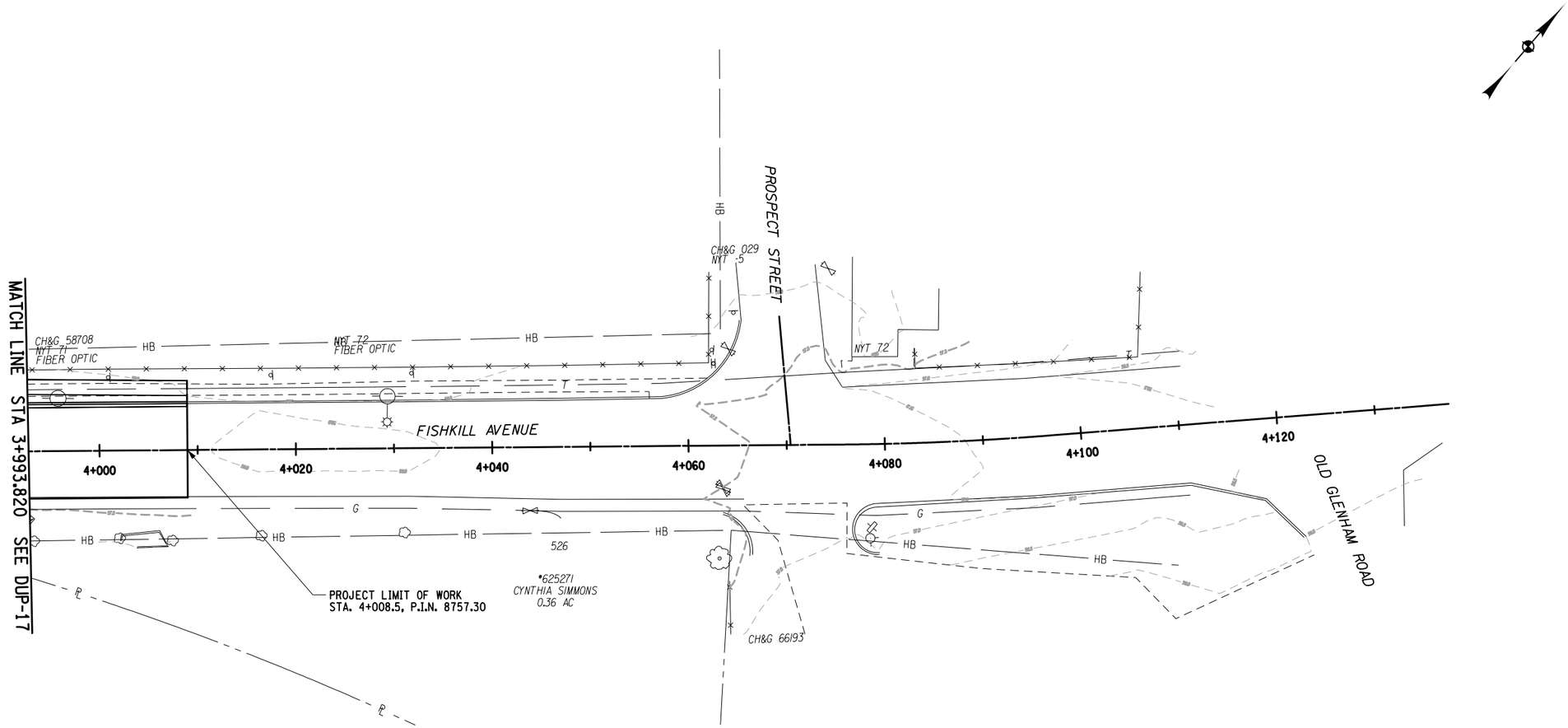
DRAINAGE AND UTILITY PLANS

SCALE: AS SHOWN

SHEET 65 OF 105

NOTES:

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



LEGEND

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

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

5 0 5 10 15 m
SCALE

wsp			CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: DUP-18
PE DB	DE SM	PM DW	DRAINAGE AND UTILITY PLANS	SCALE: AS SHOWN / SHEET 66 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME01234567890123456
USER = DGN$USERNAME

DRAINAGE TABLE

LOCATION								STRUCTURES											FRAME AND GRATE				PIPES									REMARKS
Share ID	Structure ID	Condition	APPROX. CENTERLINE STATION	OFFSET (M)	OFFSET (FT)	SIDE	DOWNSTREAM STRUCTURE	STRUCTURE TYPE	ALTER DRAINAGE STRUCTURE ITEM 604.07 (EA)	ITEM 604.30212209 (M)	ITEM 604.30212209 (FT)	ITEM 604.301873 (M)	ITEM 604.301873 (FT)	ITEM 604.301303 (M)	ITEM 604.301303 (FT)	ITEM 604.50180010 (FT)	ITEM 604.4060 (M)	ITEM 604.4060 (FT)	ITEM 655.1202 (EA)	ITEM 655.0806 (EA)	ITEM 655.1003 (EA)	ITEM 655.1022 (EA)	300mm RCP ITEM 603.6001 (M)	12" RCP ITEM 603.6001 (FT)	375mm RCP ITEM 603.6002 (M)	15" RCP ITEM 603.6002 (FT)	SAWCUT PIPE ITEM 609.97000002 (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)	
Share 1	DR-1	Proposed	1+052.8	5.48	17.97	L	DR-3	R	---	---	---	2.15	7.05	---	---	---	---	---	---	1	---	---	---	---	14.57	47.79	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-3 WITH 14.6m (47.8') OF 375mm (15") RCP
	DR-2	Existing	1+055.0	5.56	18.24	L	DR-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-3	Existing	1+064.5	15.23	49.95	L	UNK.	---	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	RECONNECT 375mm (15") RCP FROM DR-1
	DR-4	Proposed	1+067.8	3.93	12.89	R	DR-6	R	---	---	---	2.15	7.05	---	---	---	---	---	---	1	---	---	---	---	65.41	214.54	---	---	---	---	---	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	17.15	L	DR-6	R	---	---	---	1.65	5.41	---	---	---	---	---	---	1	---	---	---	---	12.23	40.11	---	---	---	---	---	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	15.68	R	DR-8	R	---	---	---	5.66	18.56	---	---	---	---	---	---	1	---	---	---	---	78.27	256.73	---	---	---	---	---	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	31.75	R	DR-8	R	---	---	---	2.15	7.05	---	---	---	---	---	---	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	15.35	R	DR-10	60	---	---	---	---	---	---	---	---	4.74	15.55	1	---	---	---	---	---	63.37	207.85	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE 60 STRUCTURE AND CONNECT TO DR-10 WITH 63.4m (207.9') OF 375mm (15") RCP
	DR-9	Proposed	1+217.2	5.33	17.48	L	DR-8	R	---	---	---	1.25	4.10	---	---	---	---	---	---	1	---	---	---	---	10.25	33.62	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-8 WITH 10.3m (33.6') OF 375mm (15") RCP
	DR-10	Proposed	1+277.2	3.40	11.15	R	DR-12	60	---	---	---	---	---	---	---	---	3.77	12.37	1	---	---	---	---	---	17.04	55.89	---	---	---	---	---	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	14.92	L	DR-12	R	---	---	---	1.90	6.23	---	---	---	---	---	---	1	---	---	---	---	7.39	24.24	---	---	---	---	---	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	14.79	R	DR-13	R	---	---	---	3.44	11.28	---	---	---	---	---	---	1	---	---	---	---	50.68	166.23	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-13 WITH 50.7m (166.2') OF 375mm (15") RCP
	DR-13	Proposed	1+346.7	5.11	16.76	R	DR-17	60	---	---	---	---	---	---	---	---	2.70	8.86	1	---	---	---	---	---	19.39	63.60	---	---	---	---	---	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	16.96	L	DR-15	R	---	---	---	1.55	5.08	---	---	---	---	---	---	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	15.28	L	DR-18	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	5.3	17.38	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-16	Existing	1+366.9	9.21	30.21	L	DR-18	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	4.1	13.45	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-17	Existing	1+366.6	5.21	17.09	R	UNK.	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-18	Existing	1+370.2	4.99	16.37	L	DR-17	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	9.8	32.14	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-19	Existing	1+401.7	3.93	12.89	R	STREAM	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-20	Proposed	1+406.0	4.11	13.48	L	DR-21	R	---	---	---	2.95	9.68	---	---	---	---	---	---	1	---	---	---	---	2.67	8.76	---	---	---	---	---	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	12.46	L	DR-19	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	10	32.80	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-22	Proposed	1+413.8	4.11	13.48	L	DR-21	R	---	---	---	2.95	9.68	---	---	---	---	---	---	1	---	---	---	---	2.67	8.76	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-21 WITH 2.7m (8.8') OF 375mm (12") RCP
	DR-23	Proposed	1+449.3	4.09	13.42	L	DR-22	R	---	---	---	2.15	7.05	---	---	---	---	---	---	1	---	---	---	---	34.27	112.41	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-22 WITH 34.3m (112.4') OF 375mm (15") RCP
	DR-24	Proposed	1+459.0	3.96	12.99	R	DR-19	R	---	---	---	1.60	5.25	---	---	---	---	---	---	1	---	---	---	---	---	---	---	2	2	55.7	182.70	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING 300mm (12") PIPE
	DR-25	Existing	1+463.5	0.67	2.20	R	UNK.	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-26	Existing	1+463.8	7.60	24.93	R	DR-28	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	5	16.40	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-27	Existing	1+469.0	1.39	4.56	R	DR-25	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	4.2	13.78	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-28	Existing	1+468.6	4.40	14.43	R	DR-24	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	9.1	29.85	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-29	Existing	1+472.5	7.94	26.04	R	DR-28	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	3.9	12.79	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-30	Existing	1+475.0	3.47	11.38	L	DR-27	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-31	Proposed	1+474.7	3.46	11.35	L	DR-27	R	---	---	---	1.80	5.90	---	---	---	---	---	---	1	---	---	---	---	---	---	---	2	2	6.8	22.30	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE (NO CURB INLET) AND CONNECT TO EXISTING 450mm (18") RCP
	DR-32	Proposed	1+482.6	4.53	14.86	R	DR-28	R	---	---	---	2.50	8.20	---	---	---	---	---	---	1	---	---	12.95	42.48	---	---	---	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-28 WITH 13.0m (42.5') OF 300mm (12") RCP
	DR-33	Existing	1+534.3	4.51	14.79	L	DR-35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9.8	32.14	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-34	Proposed	1+534.4	4.27	14.01	L	DR-35	R	---	---	---	1.75	5.74	---	---	---	---	---	---	1	---	---	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING 450mm (18") RCP
	DR-35	Existing	1+544.5	5.12	16.79	L	UNK.	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-36	Existing	1+546.7	8.94	29.32	R	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-37	Existing	1+546.8	5.45	17.88	R	UNK.	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	4.3	14.10	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-38	Existing	1+551.8	5.86	19.22	R	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-39	Existing	1+553.4	4.00	13.12	L	DR-35	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	8.3	27.22	---	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED AND CONNECT TO DR-35 WITH 8.3m (27.22') OF 300mm (12") RCP
	DR-40	Proposed	1+560.8	3.39	11.12	L	DR-35	R	---	---	---	---	---	---	---	---	5.412	---	---	---	1	---	---	---	8.01	26.27	--	--	---	---	---	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	32.31	R	DR-37	R	---	---	---	1.75	5.74	---	---	---	---	---	---	---	1	---	---	---	3.07	10.07	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-37 WITH 3.07m (10.1') OF 375mm (15") RCP
	DR-126	Proposed	1+551.3	5.80	19.02	R	DR-37	R	---	---	---	1.75	5.74	---	---	---	---	---	---	---	1	---	---	---	---	---	2	2	4.9	16.07	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING RCP
Share 2	DR-41	Proposed	1+614.5	4.39	14.40	L	DR-40	R	---	---	---	---	---	---	---	4.592	---	---	---	---	1	---	---	51.49	168.89	---	---	---	---	---	---	INSTALL OFFSET CATCH BASIN AND CONNECT TO DR-40 WITH 51.5m (168.9') OF 375mm (15") RCP
	DR-42	Proposed	1+718.8	4.80	15.74	L	DR-41	R	---	---	---	---	---	---	---	7.872	---	---	---	---	1	---	---	103.2	338.53	---	---	---	---	---	---	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	54.71	L	DR-44	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	23.5	77.08	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-44	Existing	1+801.6	7.51	24.63	R	UNK.	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-45	Existing	1+810.6	5.79	18.99	R	DR-44	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	8.2	26.90	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-46	Proposed	1+875.3	4.35	14.27	R	DR-48	R	---	---	---	1.75	5.74	---	---	---	---	---	---	---	1	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING RCP
	DR-47	Existing	1+875.7	4.57	14.99	R	DR-48	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.6	18.37	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-48	Existing	1+880.7	8.43	27.65	R	DR-49	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	7.4	24.27	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-49	Existing	1+889.0	8.74	28.67	R	UNK.	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-50	Existing	1+912.8	4.82	15.81	L	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-51	Proposed	1+913.1	4.41	14.46	L	UNK.	R	---	---	---	1.73	5.67	---	---	---	---	---	---	---	1	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING 150mm (6") RCP
	DR-52	Existing	1+926.3	6.03	19.78	L	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-53	Proposed	1+926.4	3.96	12.99	L	UNK.	R	---	---	---	1.35	4.43	---	---	---	---	---	---	---	1	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING RCP
	DR-54	Existing	1+954.9	5.43	17.81	R	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11.3	37.06	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-55	Proposed	1+954.8	4.61	15.12	R	UNK.	M	---	---	---	---	---	1.42	---	---	---	---	---	---	1	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE M STRUCTURE AND CONNECT TO EXISTING 300mm (12") RCP
	DR-56	Proposed	1+994.8	4.35	14.27	L	UNK.	M	---	---	---	---	---	1.50	---	---	---	---	---	---	1	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE M STRUCTURE AND CONNECT TO EXISTING 150mm (6") RCP
	DR-57	Existing	1+994.7	6.01	19.71	L	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-58	Existing	2+000.4	2.02	6.63	L	DR-62	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	38.7	126.94	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-59	Existing	2+004.9	4.46	14.63	L	UNK.	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-60	Existing	2+031.9	5.48	17.97	R	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-61	Proposed	2+031.9	4.04	13.25	R	UNK.	M	---	---	---	---	---	1.89	---	---	---	---	---	---	1	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE M STRUCTURE AND CONNECT TO EXISTING RCP
	DR-62	Existing	2+040.0	3.74	12.27	L	UNK.	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: DT-01

PE DB | DE SM | PM DW

DRAINAGE TABLES

SCALE: AS SHOWN

SHEET 67 OF 105

DRAINAGE TABLE

	LOCATION							STRUCTURES										FRAME AND GRATE				PIPES								REMARKS
Share ID	Structure ID	Condition	APPROX. CENTERLINE STATION	OFFSET (M)	OFFSET (FT)	SIDE	DOWNSTREAM STRUCTURE	STRUCTURE TYPE	ALTER DRAINAGE STRUCTURE ITEM 604.07 (EA)	ITEM 604.30212209 (M)	ITEM 604.30212209 (FT)	ITEM 604.301873 (M)	ITEM 604.301873 (FT)	ITEM 604.301303 (M)	ITEM 604.301303 (FT)	ITEM 604.50180010 (FT)	ITEM 604.4060 (M)	ITEM 604.4060 (FT)	ITEM 655.1202 (EA)	ITEM 655.0806 (EA)	ITEM 655.1003 (EA)	ITEM 655.1022 (EA)	300mm RCP ITEM 603.6001 (M)	12" RCP ITEM 603.6001 (FT)	375mm RCP ITEM 603.6002 (M)	15" RCP ITEM 603.6002 (FT)	SAWCUT PIPE ITEM 603.97 (EA)	CONCRETE COLLAR ITEM 603.97 (EA)	CLEAN CLOSED DRAINAGE SYSTEM ITEM 621.03 (M)	CLEAN CLOSED DRAINAGE SYSTEM ITEM 621.03 (FT)	CLEAN DRAINAGE STRUCTURE ITEM 621.04 (EA)	
Share 2 (Cont.)	DR-63	Proposed	2+071.3	3.70	12.14	L	DR-65	M	---	---	---	---	---	2.25	7.38	---	---	---	---	---	1	---	---	---	---	---	---	2	2	7.6	24.93	---	INSTALL NYSDOT STANDARD TYPE M STRUCTURE AND CONNECT TO EXISTING 450mm (18") RCP
	DR-64	Existing	2+073.1	5.74	18.83	L	DR-63	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.8	5.90	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-65	Existing	2+078.9	4.04	13.25	L	DR-62	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	38.2	125.30	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-66	Proposed	2+104.6	3.51	11.51	L	DR-67	R	---	---	---	1.85	6.07	---	---	---	---	---	---	1	---	---	---	---	---	36.83	120.80	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-67 WITH 36.8m (120.8') OF 375mm (15") RCP
	DR-67	Proposed	2+142.8	4.78	15.68	L	DR-68	R	---	---	---	1.65	5.41	---	---	---	---	---	---	1	---	---	---	---	---	4.23	13.87	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-68 WITH 4.2m (13.9') OF 375mm (15") RCP
	DR-68	Proposed	2+147.7	5.51	18.07	L	DR-70	60	---	---	---	---	---	---	---	---	1.65	5.41	1	---	---	---	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE 60 STRUCTURE AND CONNECT TO EXISTING RCP
	DR-69	Existing	2+147.7	5.51	18.07	L	DR-70	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.2	10.50	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-70	Existing	2+151.2	4.23	13.87	L	DR.65	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	72	236.16	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-71	Existing	2+154.9	9.89	32.44	L	DR-70	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	6.1	20.01	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-72	Proposed	2+182.5	4.86	15.94	R	UNK.	M	---	---	---	---	---	2.15	7.05	---	---	---	---	---	1	---	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE M STRUCTURE AND CONNECT TO EXISTING 450mm (18") RCP
	DR-73	Existing	2+185.1	6.02	19.75	R	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-74	Proposed	2+184.6	4.32	14.17	R	DR-72	60	---	---	---	---	---	---	---	---	2.10	6.89	1	---	---	---	2.00	6.56	---	---	---	---	---	---	---	---	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	11.38	L	DR-74	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	8	26.24	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-76	Existing	2+184.7	4.80	15.74	L	DR-75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-77	Proposed	2+184.8	4.88	16.01	L	DR-75	R	---	---	---	1.65	5.41	---	---	---	---	---	---	1	---	---	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING 300mm (12") RCP
	DR-78	Existing	2+229.3	9.57	31.39	R	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-79	Proposed	2+229.1	9.55	31.32	R	UNK.	R	---	---	---	---	1.90	6.23	---	---	---	---	---	1	---	---	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING 300mm (12") CMP
	DR-80	Proposed	2+228.8	5.25	17.22	L	DR-79	R	---	---	---	---	1.80	5.90	---	---	---	---	---	1	---	---	---	13.47	44.18	---	---	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-79 WITH 13.5m (44.2') OF 300mm (12") RCP
Share 3	DR-81	Proposed	2+479.5	4.67	15.32	R	DR-83	R	---	---	---	---	1.52	4.99	---	---	---	---	---	1	---	---	---	---	---	37.38	122.61	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-82 WITH 37.4m (122.6') OF 375mm (15") RCP
	DR-82	Proposed	2+479.5	4.39	14.40	L	DR-81	R	---	---	---	---	1.50	4.92	---	---	---	---	---	1	---	---	---	---	---	7.38	24.21	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-83 WITH 7.4m (24.2') OF 375mm (15") RCP
	DR-83	Proposed	2+517.7	3.31	10.86	R	DR-85	60	---	---	---	---	---	---	---	---	1.95	6.40	1	---	---	---	---	---	---	23.58	77.34	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE 60 STRUCTURE AND CONNECT TO DR-85 WITH 14.8m (77.3') OF 375mm (15") RCP
	DR-84	Existing	2+541.3	5.12	16.79	L	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-85	Proposed	2+541.3	5.35	17.55	L	EX. CULV.	R	---	---	---	---	1.80	5.90	---	---	---	---	---	1	---	---	---	---	---	---	---	1	1	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING 600mm (24") BOX CULVERT
	DR-86	---	---	---	---	---	---	---	---	N	O	T		U	S	---	E	D	---	---	---	---	---	---	---	---	---	---	---	---	---	NOT USED
	DR-87	Existing	2+642.4	10.85	35.59	R	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	NO MODIFICATIONS PROPOSED
	DR-88	Existing	2+869.8	4.20	13.78	L	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE AND REPLACE EXISTING FRAME AND GRATE ON DRAINAGE STRUCTURE. ADJUST ELEVATION AS REQUIRED.
	DR-89	Existing	3+015.7	7.58	24.86	L	DR-91	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.0	6.56	1	NO MODIFICATIONS PROPOSED
	DR-90	Existing	3+015.5	4.78	15.68	L	EX. MH	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-91	Proposed	3+015.4	4.08	13.38	L	EX. MH	U	---	1.80	5.90	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	2	2	10.5	34.44	---	INSTALL NYSDOT STANDARD TYPE U STRUCTURE AND CONNECT TO EXISTING 600mm (24") RCP
	DR-92	Existing	3+019.3	4.44	14.56	R	EX. MH	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	4.0	13.12	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-93	Existing	3+042.8	8.71	28.57	L	DR-89	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	26.1	85.61	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-94	Existing	3+036.0	4.07	13.35	R	DR-92	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	15.8	51.82	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-95	Existing	3+052.5	8.41	27.58	L	DR-93	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	8.4	27.55	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-96	Existing	3+248.1	6.22	20.40	R	DR-99	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	10.4	34.11	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-97	Proposed	3+253.0	4.54	14.89	L	DR-101	R	---	---	---	2.45	8.04	---	---	---	---	---	1	---	---	---	6.37	20.89	---	---	---	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-101 WITH 6.4m (20.9') OF 300mm (12") RCP
	DR-98	Proposed	3+259.9	3.57	11.71	R	DR-101	60	---	---	---	---	---	---	---	---	0.81	2.66	1	---	---	---	---	---	---	---	---	2	2	6.0	19.68	---	INSTALL NYSDOT STANDARD TYPE 60 STRUCTURE AND CONNECT TO EXISTING 300mm (12") CMP
	DR-99	Existing	3+259.8	5.64	18.50	R	DR-98	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	1.3	4.26	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-100	Existing	3+260.7	5.28	17.32	L	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-101	Proposed	3+260.7	4.56	14.96	L	UNK.	R	---	---	---	2.41	7.90	---	---	---	---	---	---	---	---	1	---	---	---	---	---	2	2	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING 300mm (12") CMP
	DR-102	Existing	3+290.8	7.37	24.17	L	DR-104	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	10.4	34.11	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-103	Proposed	3+297.3	4.05	13.28	R	DR-98	R	---	---	---	2.15	7.05	---	---	---	---	---	1	---	---	---	35.75	117.3	---	---	---	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO DR-98 WITH 35.8m (117.3') OF 300mm (12") RCP
	DR-104	Existing	3+301.5	10.90	35.75	L	UNK.	---	2	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-105	Existing	3+369.9	5.95	19.52	R	UNK.	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-106	Existing	3+440.1	4.81	15.78	R	DR-113	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	61.0	200.08	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-107	Existing	3+440.1	5.95	19.52	R	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-108	Existing	3+440.2	5.50	18.04	L	UNK.	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	REMOVE EXISTING DRAINAGE STRUCTURE
	DR-109	Proposed	3+440.2	5.20	17.06	L	DR-106	R	---	---	---	1.36	4.46	---	---	---	---	---	1	---	---	---	---	---	---	---	2	2	8.4	27.55	---	INSTALL NYSDOT STANDARD TYPE R STRUCTURE AND CONNECT TO EXISTING 300mm (12") CMP
Share 4	DR-110	Proposed	3+471.4	4.68	15.35	L	DR-109	U	---	0.80	2.62	---	---	---	---	---	---	---	---	---	---	1	---	---	29.93	98.17	---	---	---	---	---	INSTALL NYSDOT STANDARD TYPE U STRUCTURE AND CONNECT TO DR-110 WITH 29.6m (98.2') OF 375mm (15") RCP
	DR-111	Proposed	3+493.2	8.40	27.55	L	DR-112	TDI	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.70	12.14	---	---	---	---	---	---	---	INSTALL TRANSVERSE DRAINAGE INTERCEPTOR AND CONNECT TO DR-113 WITH 3.7m (12.1') OF 225mm (9") DIP
	DR-112	Existing	3+501.2	4.33	14.20	L	DR-113	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	6.6	21.65	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-113	Existing	3+501.3	3.52	11.55	R	DR-114	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	80.0	262.40	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-114	Existing	3+583.3	3.81	12.50	R	UNK.	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-115	Existing	3+584.4	4.27	14.01	L	DR-114	---	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	7.2	23.62	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-116	Existing	3+640.7	4.81	15.78	R	UNK.	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-117	Existing	3+699.2	4.25	13.94	R	UNK.	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-118	Existing	3+699.2	3.98	13.05	L	DR-117	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	6.9	22.63	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-119	Existing	3+734.1	7.41	24.30	L	DR-122	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	6.9	22.63	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-120	Existing	3+741.0	6.39	20.96	R	UNK.	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	11.2	36.74	1	REPLACE FRAME AND GRATE (NO CURB INLET), ADJUST ELEVATION AS REQUIRED
	DR-121	Existing	3+745.5	5.50	18.04	L	DR-120	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED, SAME STRUCTURE AS DR-122
	DR-122	Existing	3+746.3	8.21	26.93	L	DR-120	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	11.7	38.38	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-123	Existing	3+767.0	4.49	14.73	L	EX. CB	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	2	6.56	1	REPLACE FRAME AND COVER, ADJUST ELEVATION AS REQUIRED
	DR-124	Existing	3+876.4	8.06	26.44	L	UNK.	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	---	---	---	---	---	---	3.3	10.82	1	REPLACE FRAME AND GRATE (WITH CURB INLET), ADJUST ELEVATION AS REQUIRED
							Total		51	2.6	8.528	67.97	222.9	9.21	14.43	17.876	17.72	58.12	27	54	5	13	80.79	265	683.3	2241	41	41	672.9	2207.1	50	

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

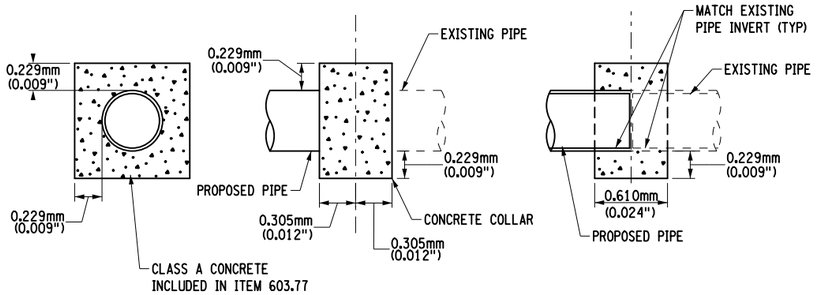
NO: DT-02

PE DB | DE SM | PM DW

DRAINAGE TABLES

SCALE: AS SHOWN

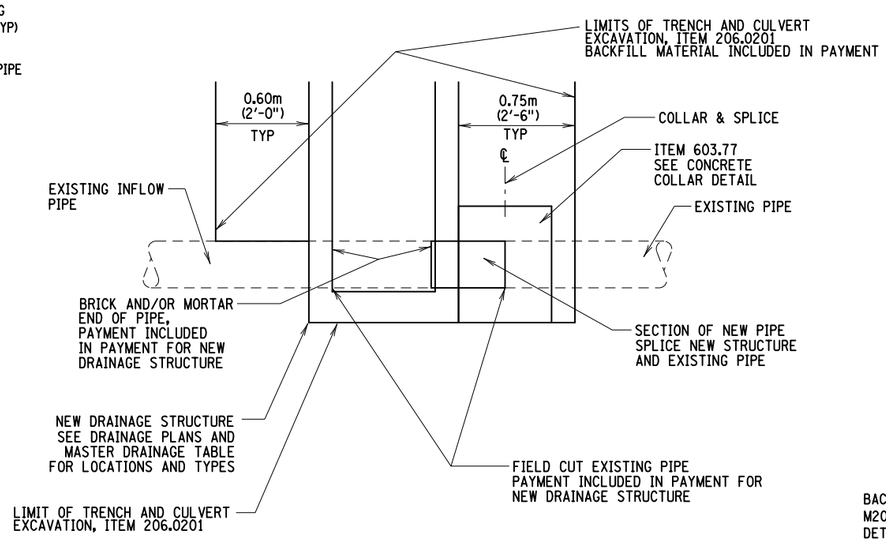
SHEET 68 OF 105



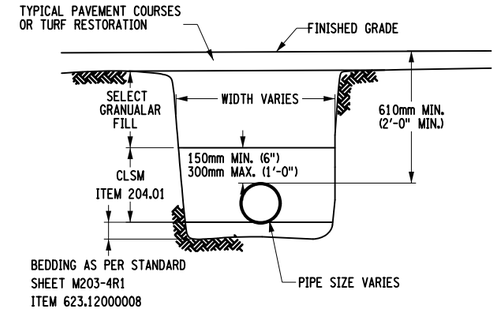
NOTE:

THE GENERAL SPECIFICATION FOR REINFORCED CONCRETE PIPE, CLASS IV, SHALL APPLY EXCEPT THAT REINFORCING SHALL BE AS SPECIFIED FOR REINFORCED CONCRETE PIPE, CLASS III. AS AN ALTERNATE FOR REINFORCING FOR REINFORCED CONCRETE PIPE CLASS III, BAR 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 PIPE BARREL.

CONCRETE COLLAR - ITEM 603.77
N.T.S.

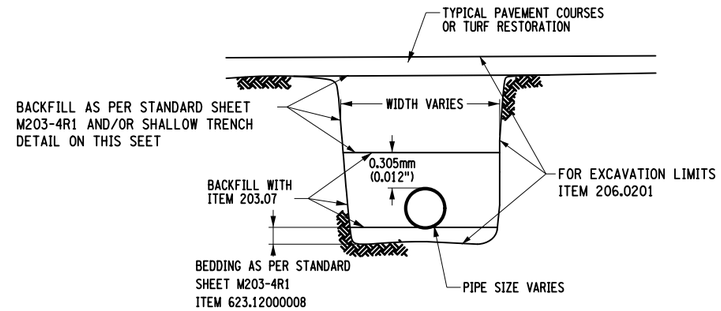


PLACING A NEW DRAINAGE STRUCTURE OVER AN EXISTING PIPE
N.T.S.

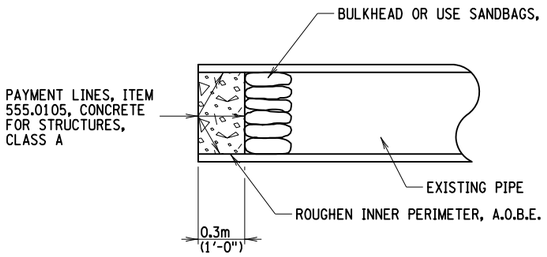


SHALLOW TRENCH DETAIL
N.T.S.

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

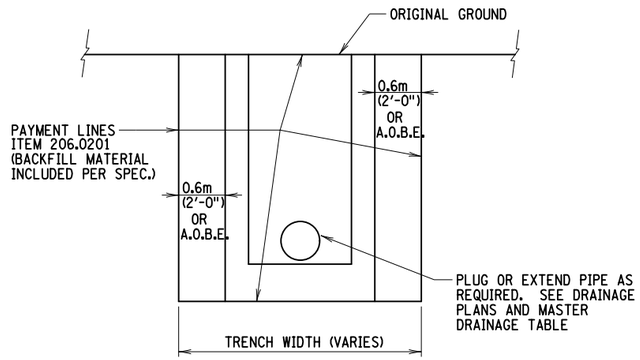


TYPICAL TRENCH RESTORATION FOR DRAINAGE PIPE INSTALL OFF PAVEMENT

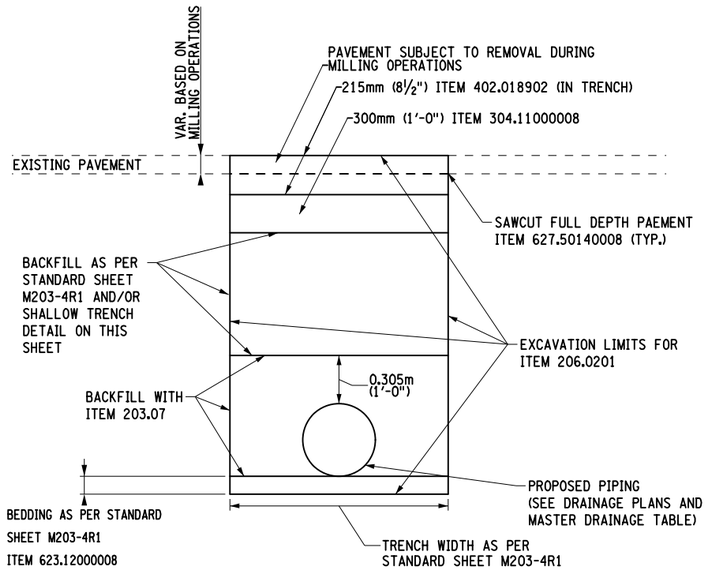


NOTE: ALL WORK NECESSARY TO PLUG PIPE INCLUDED UNDER ITEM 555.0105

PLUGGING PIPES
N.T.S.



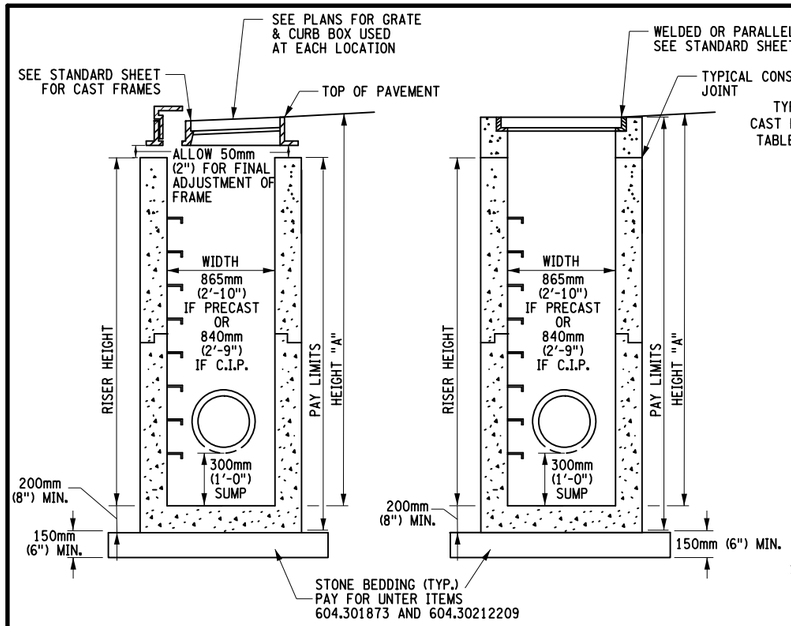
REMOVAL OF EXISTING DRAINAGE STRUCTURES
N.T.S.



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

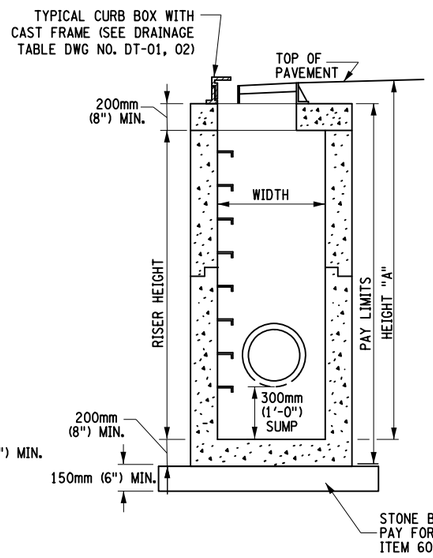
FILE NAME = DGN$SPEC@123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$STIME@123456
USER = DGN$USERNAME

wsp			CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: DD-01
PE DB	DE SM	PM DW	DRAINAGE DETAILS - 1	SCALE: AS SHOWN
				SHEET 69 OF 105

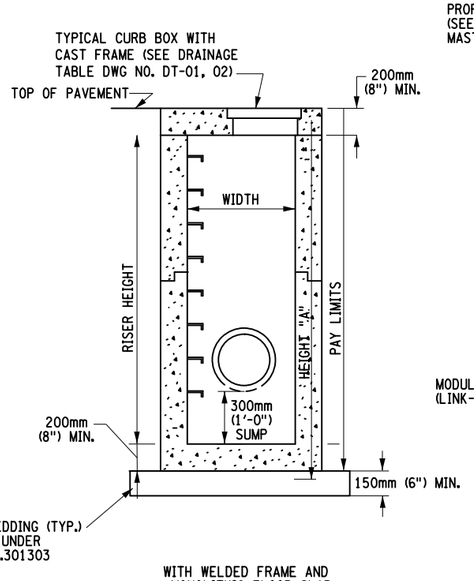


WITH CURB BOX, AND A MONOLITHICALLY CAST FLOOR SLAB

WITH CURB BOX, AND A MONOLITHICALLY CAST FLOOR SLAB



WITH CURB BOX, AND A MONOLITHICALLY CAST FLOOR SLAB



WITH WELDED FRAME AND MONOLITHIC FLOOR SLAB

NOTES:

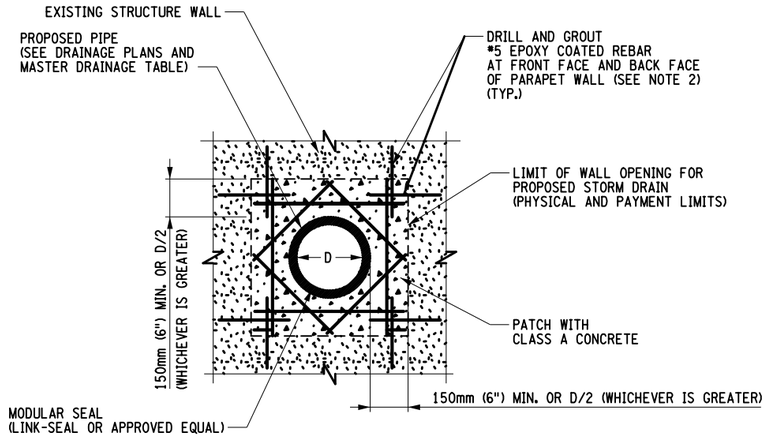
1. FOR FRAME AND GRATE TYPE SEE DRAINAGE TABLES ON DWG NO. DT-01 THRU DT-02
2. FOR STRUCTURE TYPE SEE DRAINAGE TABLE ON DWG DT-01 THRU DT-02
3. SEE STANDARD SHEET SERIES M604-R

RECTANGULAR DRAINAGE STRUCTURE TYPE M TYPICAL DETAIL

N.T.S.

RECTANGULAR DRAINAGE STRUCTURE TYPE R AND U TYPICAL DETAIL

N.T.S.

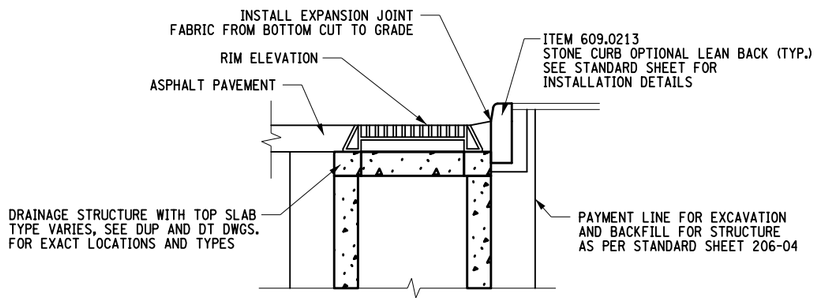


WALL PENETRATION DETAIL

N.T.S.

NOTES:

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



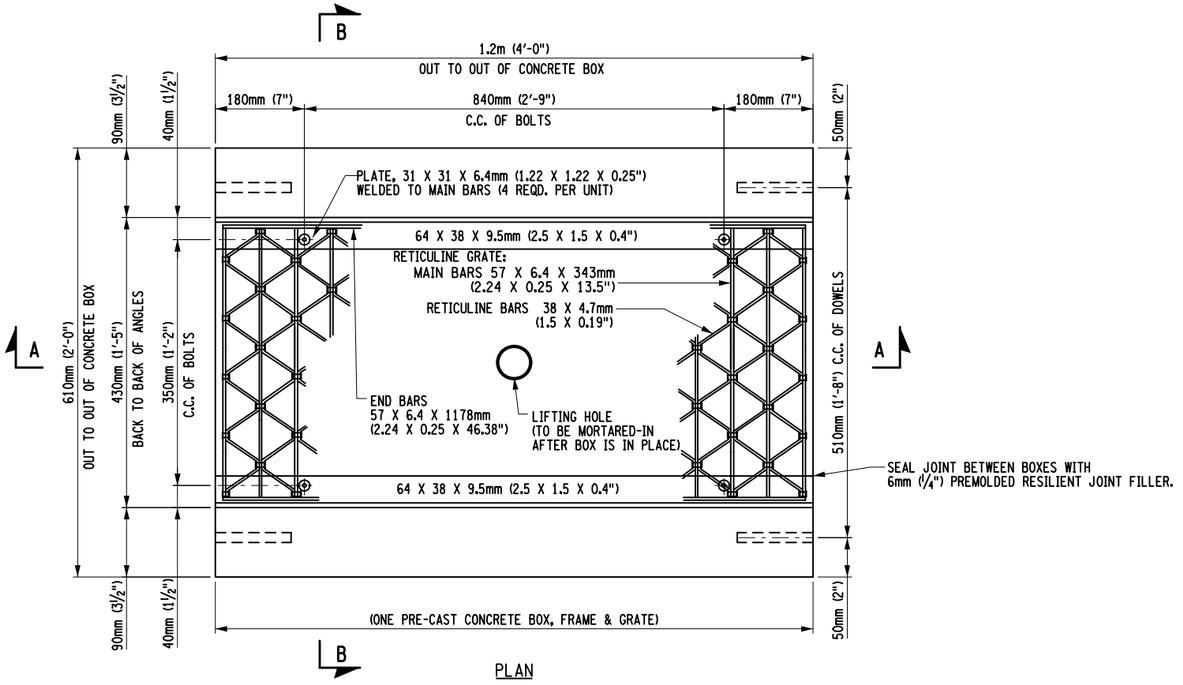
CONCRETE CURB INSTALLATION ADJACENT TO DRAINAGE STRUCTURE W/TOP SLAB

N.T.S.

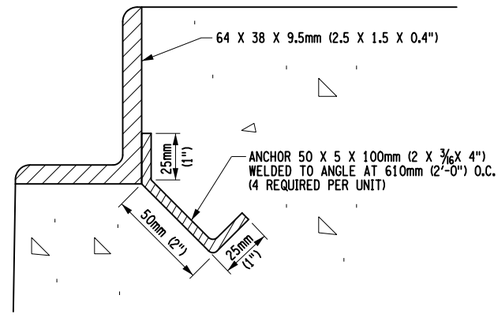
FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$STIME0123456
USER = DGN$USERNAME

wsp			CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: DD-02
PE DB	DE SM	PM DW	DRAINAGE DETAILS - 2	SCALE: AS SHOWN
				SHEET 70 OF 105

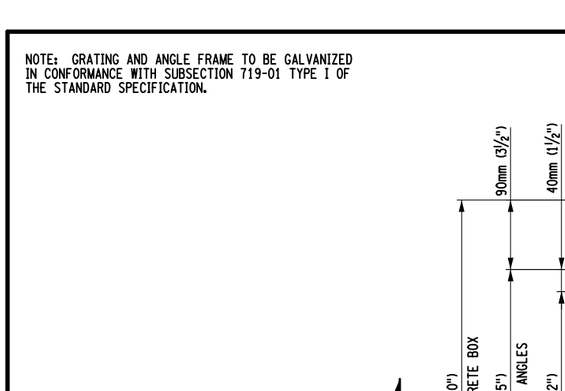
NOTE: GRATING AND ANGLE FRAME TO BE GALVANIZED IN CONFORMANCE WITH SUBSECTION 719-01 TYPE I OF THE STANDARD SPECIFICATION.



PLAN

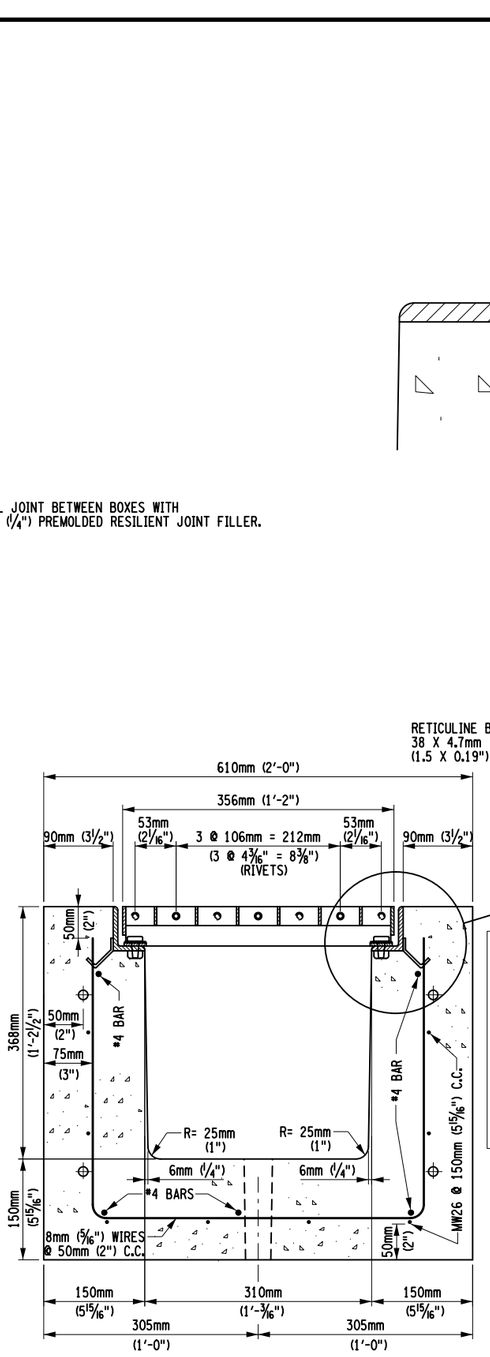


DETAIL E - ANCHOR

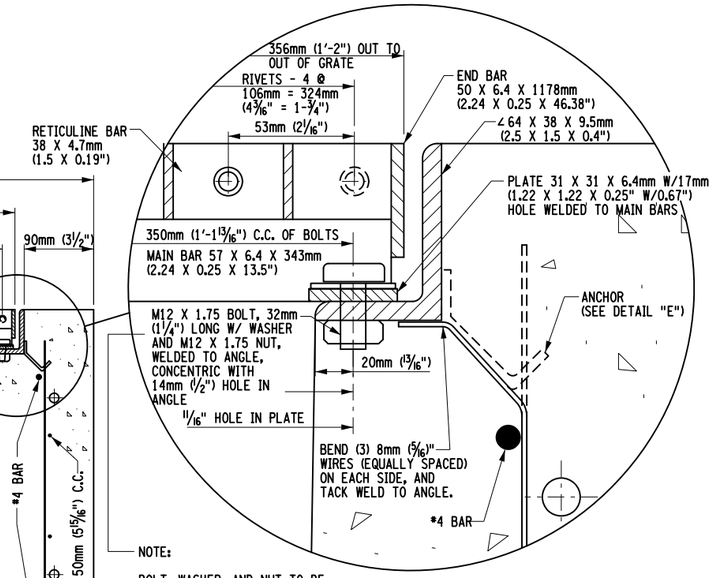


DETAIL "C"

SECTION A-A



SECTION B-B



NOTE:

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

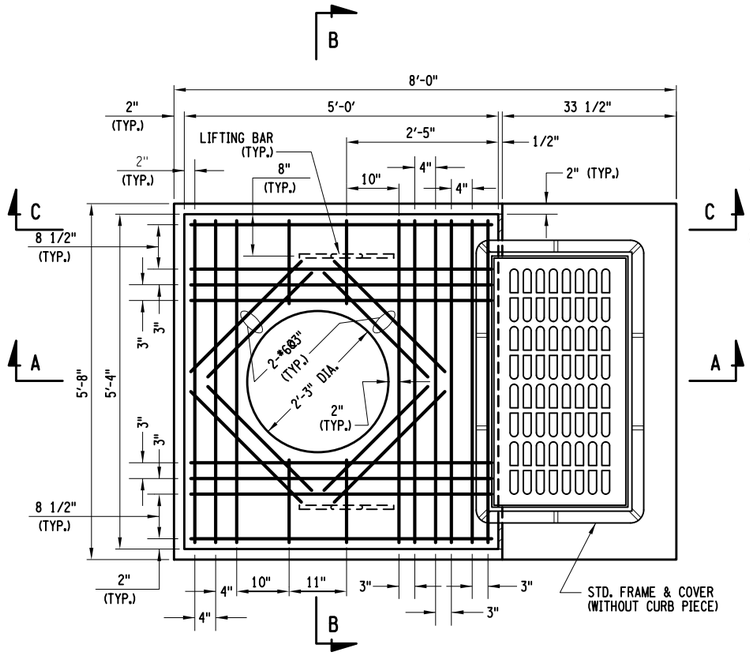
DETAIL "D"

PRE-CAST CONCRETE TRANSVERSE DRAINAGE INTERCEPTOR
ITEM 605.06----10
(CAST-IN-PLACE OPTIONAL)

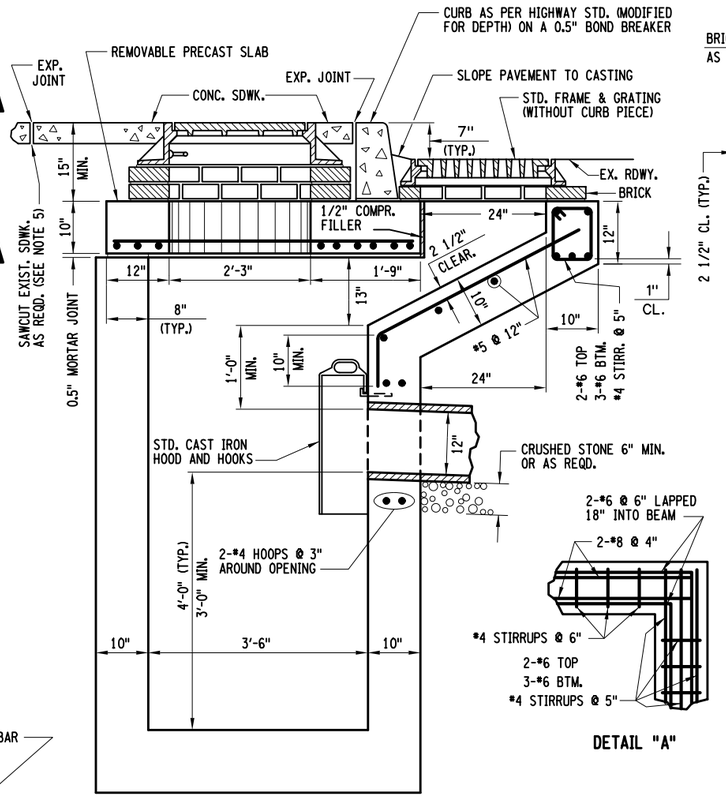
N.T.S.

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME01234567
USER = DGN$USERNAME

wsp			CITY OF BEACON		
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: DD-03
PE DB	DE SM	PM DW	DRAINAGE DETAILS - 3	SCALE: AS SHOWN	SHEET 71 OF 105

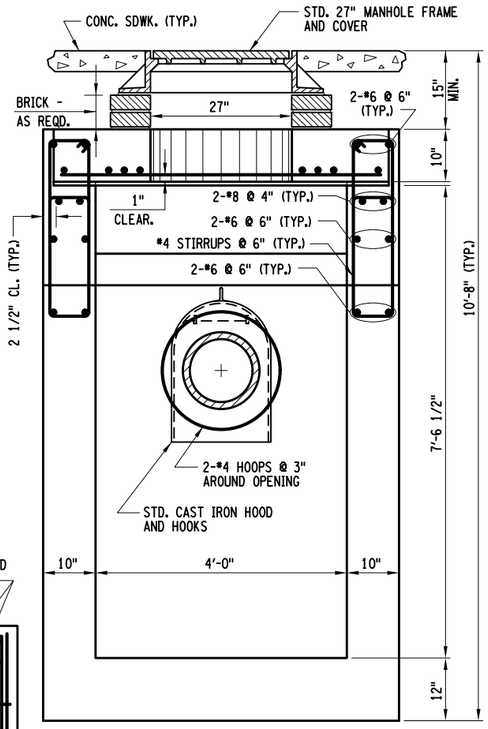


PLAN

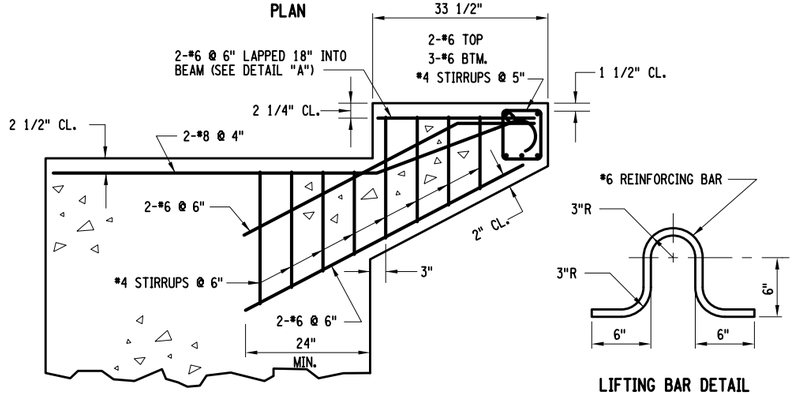


SECTION A-A

DETAIL "A"



SECTION B-B



SECTION C-C

LIFTING BAR DETAIL

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-#6@4" - 4'-9" LONG PLACED ABOVE OPENING; IN ADDITION, THE FRONT WALL SHALL BE MANUFACTURED SOLID AND ADDITIONAL 2-#5@1'-0" FOR CHUTE REINFORCEMENT SHALL BE PLACED AT THE TIME OF MANUFACTURE.

2. LIFTING HOOKS SHALL BE LOCATED IN THE SECTION AS PER MANUFACTURER'S RECOMMENDATIONS AND GROUTED PRIOR TO BACKFILLING. (FOUR (4) LIFTING HOOKS SHALL BE PROVIDED AND PLACED SYMMETRICALLY AND IN SUCH A MANNER AS TO PROVIDE FOR THE EVEN LIFTING OF THE SECTION.)

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: DD-03A
PE DB	DE SM	PM DW	DRAINAGE DETAILS - 3A	SCALE: AS SHOWN	SHEET 71A OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME601234567
USER = DGN$USERNAME

TABLE OF UTILITY POLE RELOCATIONS

SHARE ID	POLE ID NUMBER	EXISTING					PROPOSED/REMOVE				
		STATION	SIDE	ACTION	OFFSET (M)	OFFSET (FT)	STATION	SIDE	ACTION	OFFSET (M)	OFFSET (FT)
SHARE 1	1	1+042.4	R	REMAIN	5.73	18.79	1+042.4	R	REMOVE	3.99	13.09
	2	1+071.3	R	REMAIN	5.72	18.76	1+071.3	R	REMOVE	4.13	13.55
	3	1+106.8	R	REMAIN	6.21	20.37	1+106.8	R	REMOVE	4.69	15.38
	4	1+140.7	R	REMAIN	6.82	22.37	1+140.7	R	REMOVE	5.31	17.42
	5	1+170.2	R	REMAIN	7.30	23.94					
	6	1+199.8	R	REMAIN	7.40	24.27					
	7	1+242.6	L	REMAIN	N/A	N/A					
	8A						1+276.7	R	REMOVE	3.02	9.91
	8B	1+275.71	L	REMAIN	8.04	26.37					
	9	1+306.4	R	REMAIN	6.50	21.32					
	10	1+343.6	R	REMAIN	8.74	28.67					
	11	1+367.4	R	REMAIN	8.22	26.96					
	12	1+387.4	R	REMAIN	6.81	22.34					
	13	1+424.3	R	REMAIN	6.38	20.93					
	14	1+460.4	R	REMAIN	6.69	21.94	1+461.0	R	REMOVE	4.86	15.94
	15	1+496.3	R	REMAIN	8.15	26.73	1+496.6	R	REMOVE	6.04	19.81
	16	1+522.9	R	REMAIN	8.85	29.03	1+519.1	R	REMOVE	6.66	21.84
SHARE 2	17	1+825.0	L	REMAIN	6.69	21.94	1+825.2	L	REMOVE	4.27	14.01
	18	1+851.7	L	REMAIN	6.86	22.50	1+851.2	L	REMOVE	4.65	15.25
	19	1+886.1	L	REMAIN	7.45	24.44	1+883.8	L	REMOVE	4.84	15.88
	20	1+928.1	L	REMAIN	7.61	24.96	1+928.1	L	REMOVE	5.23	17.15
	21	1+955.8	L	REMAIN	7.42	24.34	1+955.8	L	REMOVE	5.32	17.45
	22	1+991.7	L	REMAIN	7.51	24.63	1+992.6	L	REMOVE	5.24	17.19
	23	2+037.7	L	REMAIN	7.04	23.09	2+043.7	L	REMOVE	5.05	16.56
	24	2+084.2	L	REMAIN	6.67	21.88	2+083.4	L	REMOVE	4.85	15.91
	25	2+119.9	L	REMAIN	5.29	17.35					
	26	2+144.8	L	REMAIN	6.39	20.96	2+146.5	L	REMOVE	5.78	18.96
	27	2+156.9	L	REMOVE	6.54	21.45	2+158.1	L	PROPOSED	5.50	18.04
	28	2+179.8	L	REMOVE	2.80	9.18	2+176.7	L	PROPOSED	4.12	13.51
	29	2+199.3	R	REMAIN	8.63	28.31					
	30	2+203.7	L	REMOVE	2.50	8.20	2+203.3	L	PROPOSED	4.06	13.32
	31	2+240.0	R	REMOVE	7.73	25.35	2+237.0	R	PROPOSED	8.72	28.60
	32	2+242.2	L	REMOVE	3.15	10.33	2+245.0	L	PROPOSED	4.56	14.96
	33	2+242.7	L	REMOVE	5.11	16.76	2+245.3	L	PROPOSED	7.55	24.76
	34	2+573.2	L	REMAIN	7.95	26.08	2+572.9	L	REMOVE	3.53	11.58
	35	2+961.6	L	REMOVE	5.32	17.45	2+961.5	L	PROPOSED	4.84	15.88
	36	2+996.3	L	REMOVE	5.27	17.29	2+997.7	L	PROPOSED	4.79	15.71
	37	3+035.6	L	REMOVE	5.34	17.52	3+034.2	L	PROPOSED	4.90	16.07
	38	3+282.9	L	REMAIN	5.65	18.53	3+279.7	L	REMOVE	5.68	18.63
	39	3+306.6	L	REMAIN	5.69	18.66	3+303.7	L	REMOVE	5.75	18.86
	40	3+318.5	L	REMAIN	5.66	18.56	3+316.9	L	REMOVE	5.68	18.63
	41	3+357.0	L	REMAIN	5.73	18.79	3+355.8	L	REMOVE	5.72	18.76
	42	3+619.5	L	REMOVE	5.14	16.86	3+633.9	L	PROPOSED	4.97	16.30
	43						3+479.44	L	REMOVE	6.27	20.57
	44						3+567.8	L	REMOVE	5.64	18.50
	45						3+687.0	L	REMOVE	5.40	17.71

TABLE OF LIGHTING POLE RELOCATIONS

SHARE ID	EXISTING				PROPOSED			
	STATION	SIDE	OFFSET (M)	OFFSET (FT)	STATION	SIDE	OFFSET (M)	OFFSET (FT)
1	1+441.1	L	4.76	15.61	1+441.0	L	6.67	21.88
	1+534.3	R	13.40	43.95	1.532.2	R	13.40	43.95

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USER = DGN$USERNAME

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DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

NO: UT-01

UTILITY POLE RELOCATION TABLE

SCALE: AS SHOWN

SHEET 72 OF 105

POTENTIAL WATER MAIN AND SERVICE LATERAL CONFLICTS

SHARE	NO.	LOC.	SIDE	APPROX. STATION	UTILITY/DESCRIPTION	OWNER	COMMENTS
1	UCW-1	DUP-01	NORTH	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	City of Beacon	
1	UCW-2	DUP-02	NORTH	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	City of Beacon	
1	UCW-3	DUP-02	NORTH	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	City of Beacon	
2	UCW-4 (NOT USED)	~~DUP-10~~	~~NORTH~~	~~2+641~~	~~Proposed Type R drainage structure~~	~~City of Beacon~~	~~Contractor to perform test pit to confirm depth of existing water main. Relocate as required.~~
					~~EXISTING HYDRANT SERVICE conflict~~	~~City of Beacon~~	
2	UCW-5 (NOT USED)	~~DUP-10~~	~~SOUTH~~	~~2+642~~	~~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 10" CIP WATER MAIN conflict~~	~~City of Beacon~~	
2	UCW-6	DUP-13	WEST	3+253	Proposed Type R drainage structure	City of Beacon	Contractor to perform test pit to confirm alignment and depth of existing water main. Relocate as required.
					EXISTING WATER MAIN conflict	City of Beacon	
2	UCW-7	DUP-13	WEST	3+261	Proposed Type R drainage structure	City of Beacon	Contractor to perform test pit to confirm alignment and depth of existing water main. Relocate as required.
					EXISTING WATER MAIN conflict	City of Beacon	
2	UCW-8	DUP-14	WEST	3+501	Proposed 225 mm DIP drainage pipe	City of Beacon	Contractor to perform test pit to confirm alignment and depth of existing water main. Relocate as required.
					EXISTING WATER MAIN conflict	City of Beacon	
2	UCW-9	DUP-12	WEST	3+016	Proposed Type U drainage structure	City of Beacon	Contractor to perform test pit to confirm alignment and depth of existing water main. Relocate as required.
					EXISTING WATER MAIN conflict	City of Beacon	

POTENTIAL SANITARY SEWER MAIN AND SERVICE LATERAL CONFLICTS

SHARE	NO.	LOC.	SIDE	APPROX. STATION	UTILITY/DESCRIPTION	OWNER	COMMENTS
1	UCS-1	DUP-01	SOUTH	1+077	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
					EXISTING 300mm CLAY SANITARY SEWER MAIN		
1	UCS-2	DUP-01	NORTH	1+130	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
					EXISTING 300mm CLAY SANITARY SEWER MAIN		
1	UCS-3	DUP-02	SOUTH	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		
1	UCS-4	DUP-02	NORTH	1+215	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
					EXISTING 300mm CLAY SANITARY SEWER MAIN		
1	UCS-5	DUP-02	SOUTH	1+283	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
					EXISTING 300mm CLAY SANITARY SEWER MAIN		
1	UCS-6	DUP-02	SOUTH	1+294	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing sanitary sewer main.
					EXISTING SANITARY SEWER MAIN		
1	UCS-7	DUP-02	NORTH	1+295	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing sanitary sewer main.
					EXISTING 300mm CLAY SANITARY SEWER MAIN		
2	UCS-8	DUP-09	SOUTH	2+480	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
					EXISTING 300mm CLAY SANITARY SEWER MAIN		
2	UCS-9	DUP-09	NORTH	2+532	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
					EXISTING 300mm CLAY SANITARY SEWER MAIN		
2	UCS-10	DUP-09	NORTH	2+538	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
					EXISTING 300mm CLAY SANITARY SEWER MAIN		
2	UCS-11	DUP-10	NORTH	2+642	Proposed 375 mm RCP drainage pipe	City of Beacon	Contractor to verify invert of existing 300mm sanitary sewer main.
					EXISTING 300mm CLAY SANITARY SEWER MAIN		

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CITY OF BEACON

DATE: JANUARY 2023

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

NO: UC-01

PE DB | DE SM | PM DW

UNDERGROUND UTILITY CONFLICTS TABLE

SCALE: AS SHOWN

SHEET 73 OF 105

POTENTIAL GAS MAIN AND SERVICE LATERAL CONFLICTS

SHARE	NO.	LOC.	SIDE	APPROX. STATION	UTILITY/DESCRIPTION	OWNER	COMMENTS
1	UCG-1	DUP-01	NORTH	1+060	Proposed 375 mm RCP drainage pipe EXISTING GAS MAIN	Central Hudson Gas and Electric	Replacement of existing drainage pipe. Contractor to perform test pit to confirm depth and size of existing gas main.
1	UCG-2	DUP-01	SOUTH	1+078	Proposed 375 mm RCP drainage pipe EXISTING GAS MAIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
1	UCG-3	DUP-01	SOUTH	1+135	Proposed 375 mm RCP drainage pipe EXISTING GAS MAIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
1	UCG-4	DUP-02	SOUTH	1+202	Proposed 375 mm RCP drainage pipe EXISTING GAS MAIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
1	UCG-5	DUP-02	SOUTH	1+215	Proposed 375 mm RCP drainage pipe EXISTING GAS MAIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
1	UCG-6	DUP-02	SOUTH	1+276	Proposed 375 mm RCP drainage pipe EXISTING GAS MAIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
1	UCG-7	DUP-02	SOUTH	1+294	Proposed 375 mm RCP drainage pipe EXISTING GAS MAIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
1	UCG-8	DUP-03	SOUTH	1+458	Proposed Type R drainage structure EXISTING GAS MAIN	Central Hudson Gas and Electric	Utility ow ner to relocate existing gas main.
2	UCG-9	DUP-07	NORTH	2+229	Proposed 300 mm RCP drainage pipe. EXISTING GAS MAIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
2	UCG-10	DUP-07	SOUTH	2+230	Proposed 300 mm RCP drainage pipe. EXISTING GAS MAIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
2	UCG-11	DUP-09	NORTH	2+480	Proposed 375 mm RCP drainage pipe. EXISTING GAS MAIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
2	UCG-12	DUP-09	NORTH	2+535	Proposed 375 mm RCP drainage pipe. EXISTING GAS MAIN	Central Hudson Gas and Electric	Contractor to perform test pit to confirm depth and size of existing gas main.
2	UCG-13 (NOT USED)	~~DUP-10~~	~~NORTH~~	~~2+642~~	~~Proposed 375 mm RCP drainage pipe~~ ~~EXISTING GAS MAIN~~	~~Central Hudson Gas and Electric~~	~~Contractor to perform test pit to confirm depth and size of existing gas main.~~
2	UCG-14 (NOT USED)	~~DUP-10~~	~~SOUTH~~	~~2+643~~	~~Proposed 375 mm RCP drainage pipe~~ ~~EXISTING GAS MAIN~~	~~Central Hudson Gas and Electric~~	~~Contractor to perform test pit to confirm depth and size of existing gas main.~~
2	UCG-15	DUP-04	SOUTH	1+546	Proposed 375 mm RCP drainage pipe EXISTING GAS MAIN	Central Hudson Gas and Electric	Utility ow ner to relocate existing gas main.

POTENTIAL TELEPHONE CONFLICTS

SHARE	NO.	LOC.	SIDE	APPROX. STATION	UTILITY/DESCRIPTION	OWNER	COMMENTS
1	UCT-1	DUP-03	SOUTH	1+458	Proposed Type R drainage structure EXISTING TELEPHONE DUCT BANK / MANHOLES	Verizon	Utility owner to relocate telephone duct bank.
1	UCT-2	DUP-03	SOUTH	1+482	Proposed Type R drainage structure EXISTING TELEPHONE DUCT BANK / MANHOLES	Verizon	Utility owner to relocate telephone duct bank.
2	UCT-3	DUP-04/ DUP-05	WEST	1+573	Proposed 375 mm RCP drainage pipe EXISTING TELEPHONE DUCT BANK / MANHOLES	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
2	UCT-4	DUP-07	NORTH	2+122	Proposed 375 mm RCP drainage pipe EXISTING TELEPHONE DUCT BANK	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank. Utility owner to relocate sections of duct bank between Sta. 2+120 to Sta. 2+150.
2	UCT-5	DUP-07	SOUTH	2+230	Proposed 300 mm RCP drainage pipe EXISTING TELEPHONE DUCT BANK	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank. Utility owner to relocate sections of telephone duct bank.
2	UCT-9	DUP-14	NORTH	3+470	Proposed 375 mm DIP drainage pipe EXISTING TELEPHONE DUCT BANK	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
2	UCT-6	DUP-14	NORTH	3+501	Proposed 225 mm DIP drainage pipe EXISTING TELEPHONE DUCT BANK	Verizon	Contractor to perform test pit to confirm depth and size of existing telephone duct bank.
1	UCT-7	DUP-04	SOUTH	1+545	Proposed Type R drainage structure and 375 mm RCP drainage pipe EXISTING TELEPHONE DUCT BANK	Verizon	Utility owner to relocate telephone duct bank.
1	UCT-8	DUP-04	SOUTH	1+1561	Proposed Type R drainage structure EXISTING TELEPHONE DUCT BANK	Verizon	Utility owner to relocate telephone duct bank.

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CITY OF BEACON

DATE: JANUARY 2023

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

NO: UC-02

PE DB | DE SM | PM DW

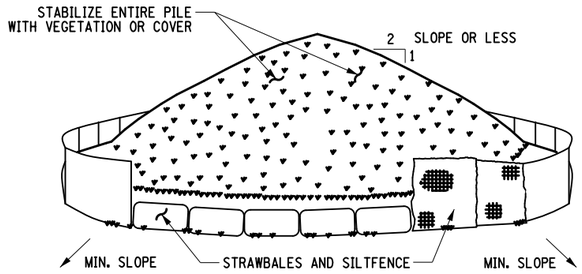
UNDERGROUND UTILITY CONFLICTS TABLE

SCALE: AS SHOWN

SHEET 74 OF 105

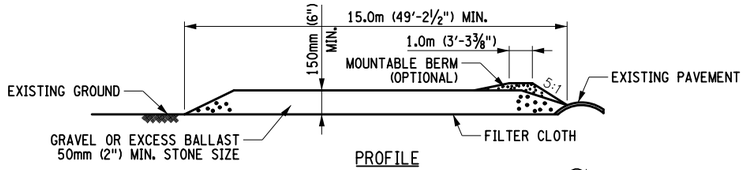
STOCKPILING INSTALLATION NOTES:

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

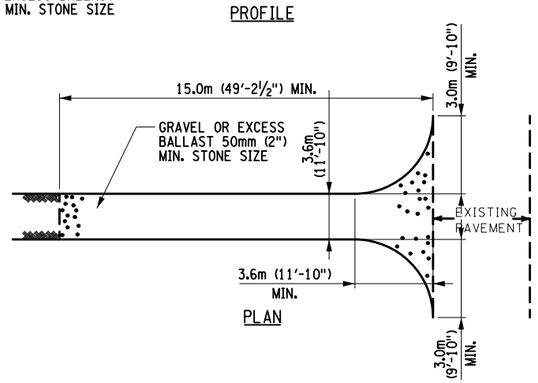


SOIL STOCKPILING DETAIL

N.T.S.



PROFILE



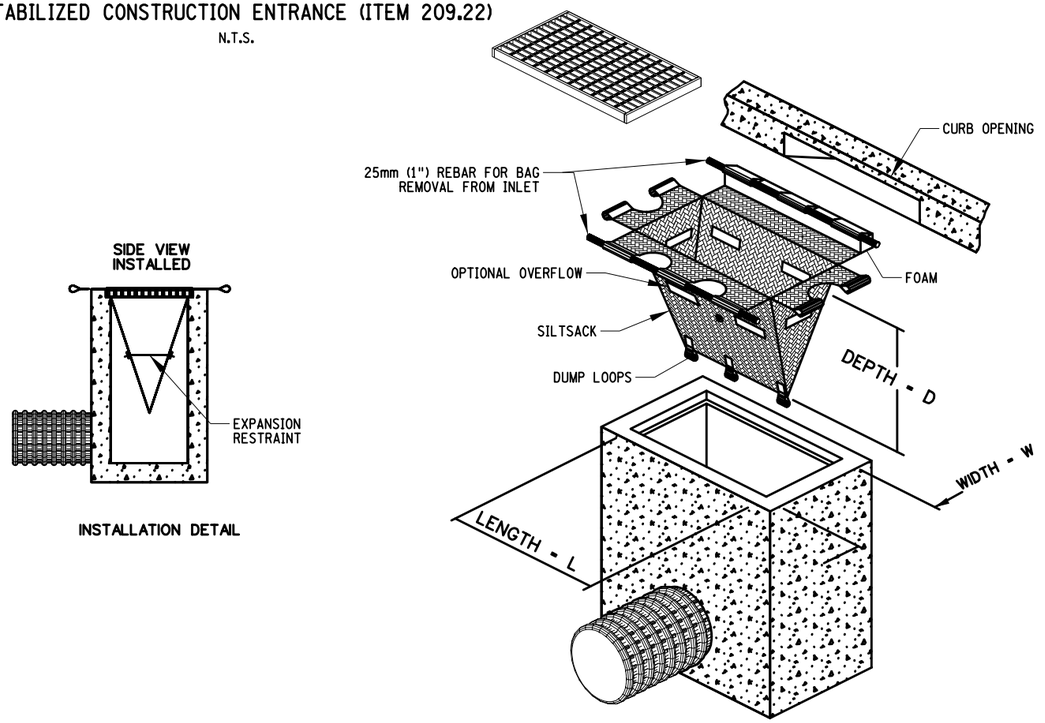
PLAN

STABILIZED CONSTRUCTION ENTRANCE (ITEM 209.22)

N.T.S.

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES:

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



INSTALLATION DETAIL

INLET SEDIMENT CONTROL DEVICE WITH CURB DEFLECTOR (ITEM 209.11020024)

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

N.T.S.

wsp				CITY OF BEACON	
DATE: JANUARY 2023				PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: ESD-01
PE DB	DE SM	PM DW		EROSION AND SEDIMENT CONTROL DETAILS - 1	SCALE: AS SHOWN / SHEET 75 OF 105

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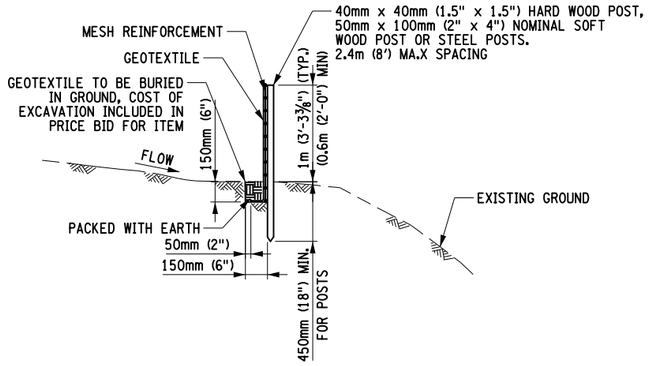
SILT FENCE APPLICATION NOTES:

A. THE PRIMARY PURPOSE OF A SILT FENCE OR HAYBALE/STRAWBALE DIKE IS TO REDUCE RUNOFF VELOCITY AND TRAP SEDIMENT. VELOCITY IS REDUCED, WATER IS IMPOUNDED BEHIND THE MEASURE, AND SEDIMENT FALLS OUT OF SUSPENSION.

B. STRAWBALE DIKES ARE USED IN SENSITIVE AREAS WHERE CONTROL OF WEEDS AND INVASIVE PLANT SPECIES IS DESIRED.

C. SILT FENCE OR HAYBALE/STRAWBALE DIKE SHALL BE INSTALLED ON A LINE OF EQUAL ELEVATION (CONTOUR). THEY MAY BE INSTALLED AT INTERMEDIATE POINTS UP SLOPES AS WELL AS AT THE BOTTOM, AS SHOWN IN THE DETAIL.

D. HAYBALE/STRAWBALE DIKE OR SILT FENCE SHALL NOT BE USED IN OR ACROSS A FLOWING NATURAL CHANNEL. CLASS II, TYPE A, JUTE MESH. JUTE MESH SHALL BE PLACED WITHOUT STRETCHING ON THE FRESHLY PREPARED SURFACE SO THAT IT LAYS LOOSELY ON THE SOIL AND IN CONTACT WITH THE SOIL AT ALL POINTS.



SILT FENCE (ITEM 209.13)

N.T.S.

SILT FENCE GENERAL NOTES:

1. SILT FENCE OR HAYBALE/STRAWBALE DIKE SHALL BE PLACED A MINIMUM OF 1.5m (5') FROM TOE OF SLOPE, 3.0m (10') PREFERRED, TO PROVIDE ADEQUATE AREA FOR SEDIMENT STORAGE AND FACILITATE MAINTENANCE OF SEDIMENT CONTAINMENT AREA.

2. POSTS MAY BE 32x32 (1¼" x 1¼") (MINIMUM) HARDWOOD, 38x89 (1½" x 3½") (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 (½") OR MORE WITHIN A 12 HOUR PERIOD, OR DAILY DURING PROLONGED RAINFALL. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.

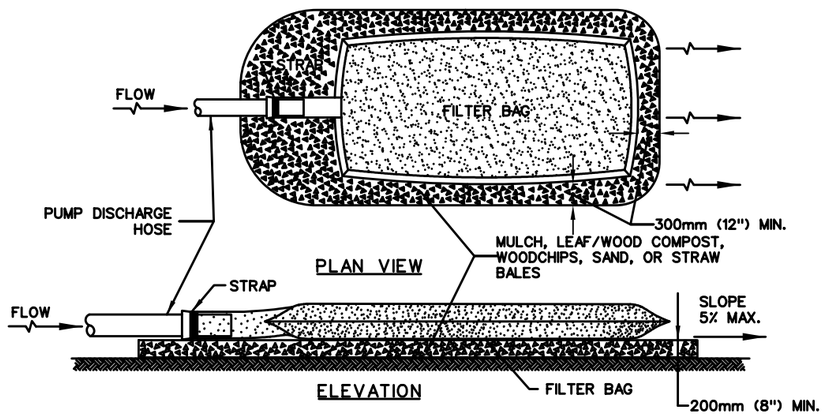
7. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.

8. DRAINAGE AREAS:
MAXIMUM DRAINAGE AREA TRIBUTARY TO 30m (98.5') OF SILT FENCE SHALL BE 0.2 Ha. MAXIMUM DRAINAGE AREA TRIBUTARY TO 30m (98.5') OF HAYBALE DIKE SHALL BE 0.1 Ha.

9. THE FOLLOWING ARE MAXIMUM SLOPE LENGTHS TO THESE MEASURES:

SILT FENCE			HAYBALE DIKE		
SLOPE	SLOPE LENGTH L_S (m)	HORIZ LENGTH L_H (m)	SLOPE	SLOPE LENGTH L_S (m)	HORIZ LENGTH L_H (m)
2:1	15 (49.21')	13 (24.61')	2:1	7.5 (24.61')	13 (24.61')
3:1	25 (82.02')	24 (82.02')	3:1	25 (82.02')	24 (82.02')
4:1	40 (131.23')	39 (131.23')	4:1	40 (131.23')	39 (131.23')
5:1	60 (196.85')	60 (196.85')	5:1	60 (196.85')	60 (196.85')
>5:1	80 (262.47')	80 (262.47')	>5:1	80 (262.47')	80 (262.47')

10. INSTALLATION, I.E. EXCAVATION, BACKFILL, COMPACTION, HAYBALE/STRAWBALE DIKES AND SILT FENCE SHALL BE INCLUDED IN UNIT PRICE BID FOR ITEM.



CONSTRUCTION SPECIFICATIONS

1. FILTER BAG SHALL BE PLACED IN AN AREA THAT IS ACCESSIBLE BY 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 PUMPING RATE.

5. REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST. SPREAD THE DEWATERED SEDIMENT FROM THE BAG IN AN APPROVED UPLAND AREA AND STABILIZE WITH SEED AND MULCH BY THE END OF THE WORK DAY. RESTORE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.

6. USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE SLEEVE TO ACCOMMODATE A MAXIMUM 4 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS MINIMUM AVERAGE ROLL VALUES (MARV) FOR THE FOLLOWING:

GRAB TENSILE	250 LB	ASTM D-4632
PUNCTURE	150 LB	ASTM D-4833
FLOW RATE	70 GAL/MIN/FT$^{37}/_{64}$	ASTM D-4491
PERMITTIVITY (SEC^{-1})	1.2 SEC^{-1}	ASTM D-4491
UV RESISTANCE	70% STRENGTH @ 500 HOURS	ASTM D-4355
APPARENT OPENING SIZE (AOS)	0.15-0.18 MM	ASTM D-4751
SEAM STRENGTH	90%	ASTM D-4632

7. REPLACE FILTER BAG IF BAG CLOGS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT. REPLACE BEDDING IF IT BECOMES DISPLACED.

8. NO ADDITIONAL PAYMEN FOR THIS ITEM WILL BE MADE. THE COST OF DOING THIS WORK SHALL BE INCLUDED IN THE VARIOUS PAYMENT ITEMS.

GEOTEXTILE FABRIC SEDIMENT COLLECTION BAG (FILTER BAG) DETAIL

N.T.S.

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME01234567890123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

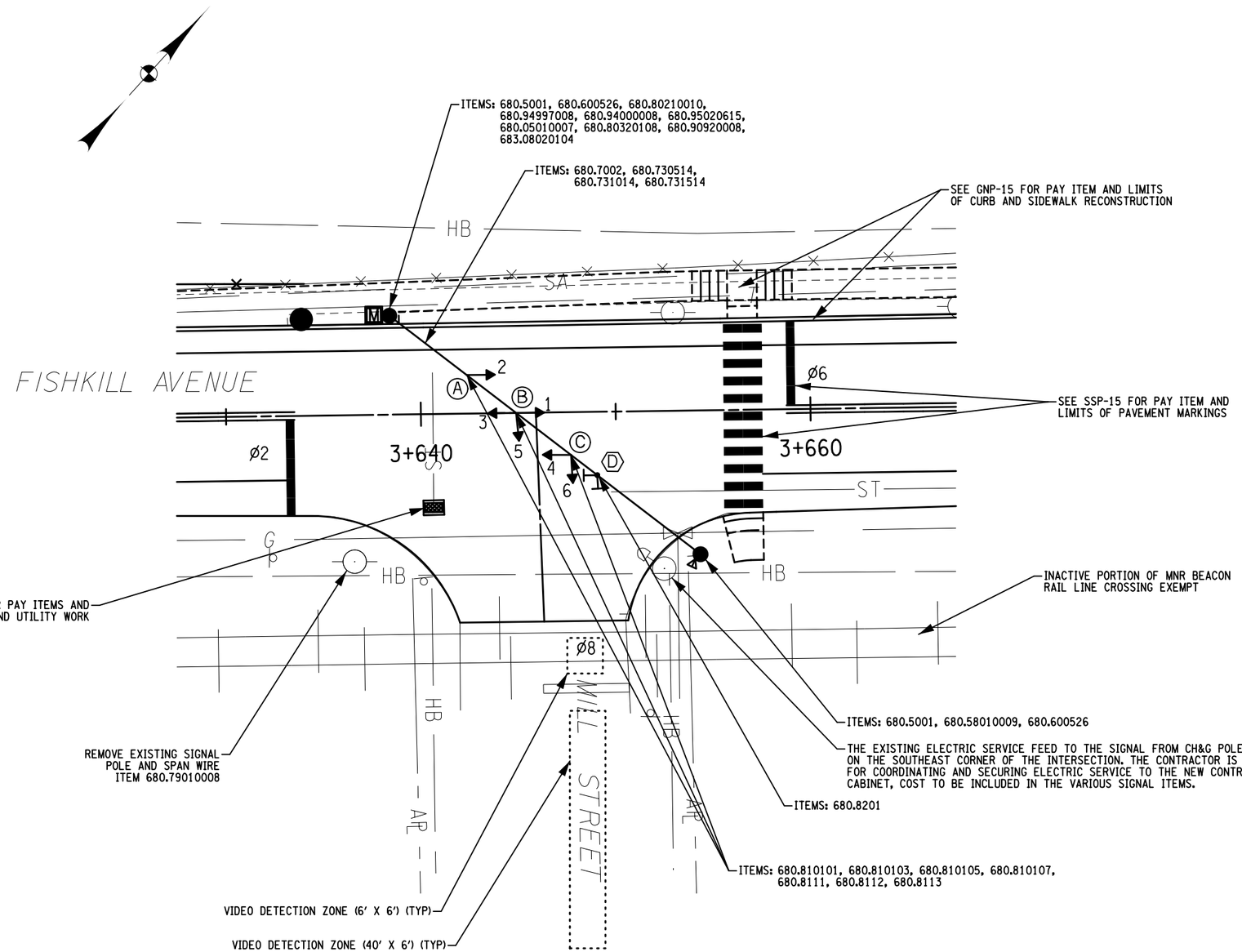
NO: ESD-02

PE DB | DE SM | PM DW

EROSION AND SEDIMENT CONTROL DETAILS - 2

SCALE: AS SHOWN

SHEET 76 OF 105



NOTES:

1. EXISTING SIGNAL SHALL REMAIN IN OPERATION UNTIL NEW SIGNAL IS TURNED ON AND ACCEPTED BY THE ENGINEER.
2. VIDEO DETECTION INPUTS USE SDLC PORT (INPUTS 33 TO 64).
3. CAMERAS MOUNTING HARDWARE HAS A HEIGHT OF APPROX. 10'.
4. DETECTION RANGE EQUATES TO APPROXIMATELY 6.5 FEET OF HORIZONTAL RANGE FOR EVERY 1 FOOT OF VERTICAL CAMERA ELEVATION. FOR EXAMPLE, SPAN POLE HEIGHT OF 30 FT + 10 FT MOUNTING HARDWARE = 40 FT X 6.5 FT = 260 FT RANGE.
5. DETECTION ZONE PLACEMENT IS APPROXIMATE. CONTRACTOR SHALL MODIFY ZONES AS NEEDED TO ENSURE VEHICLE ACTUATION BASED ON TURNING PATHS.

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: TSP-1
PE DB	DE SM	PM DW	SIGNAL PLAN	SCALE: AS SHOWN	SHEET 77 OF 105

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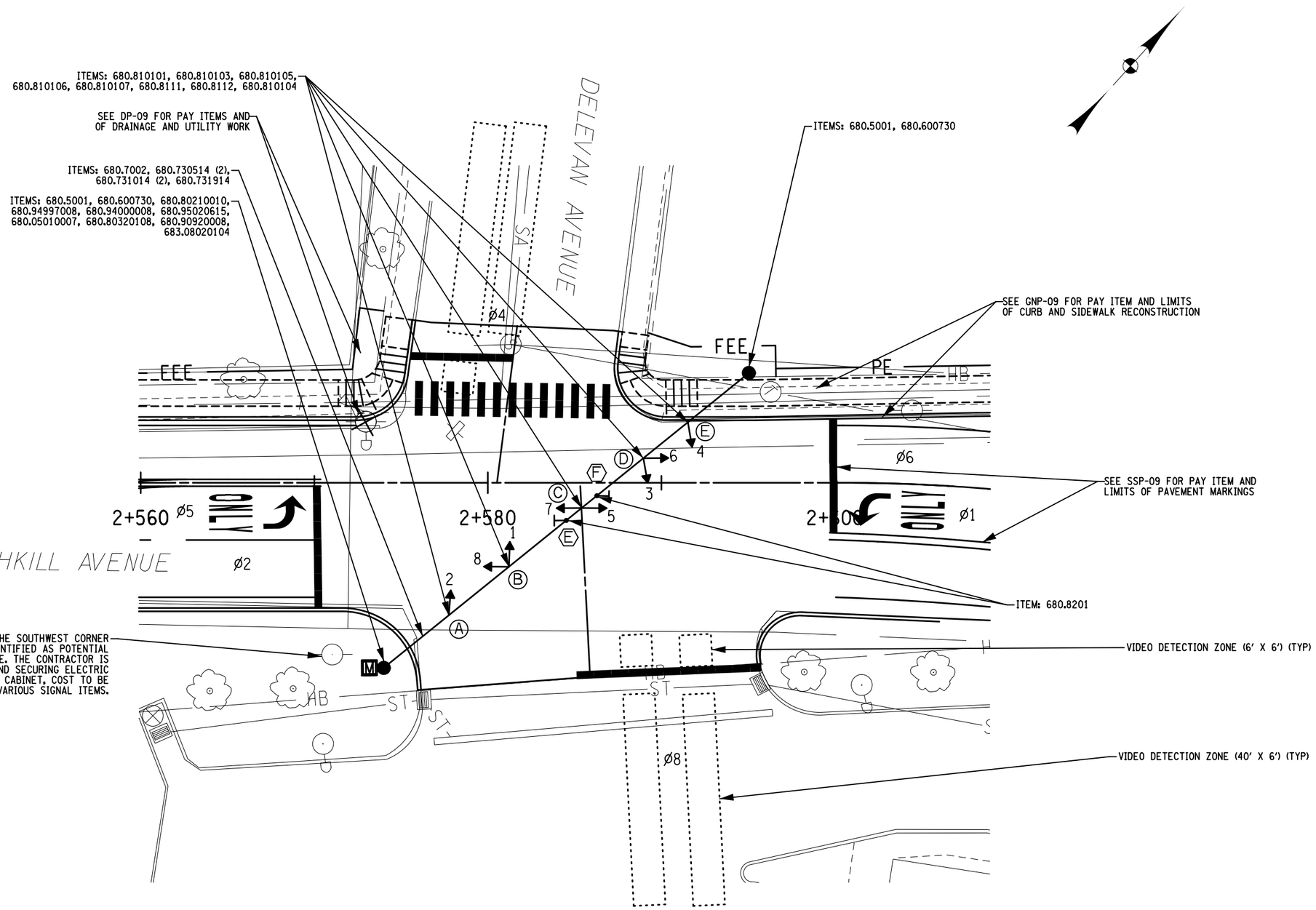

NOTES:

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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: TSP-2
PE DB	DE SM	PM DW	SIGNAL PLAN	SCALE: AS SHOWN
				SHEET 78 OF 105

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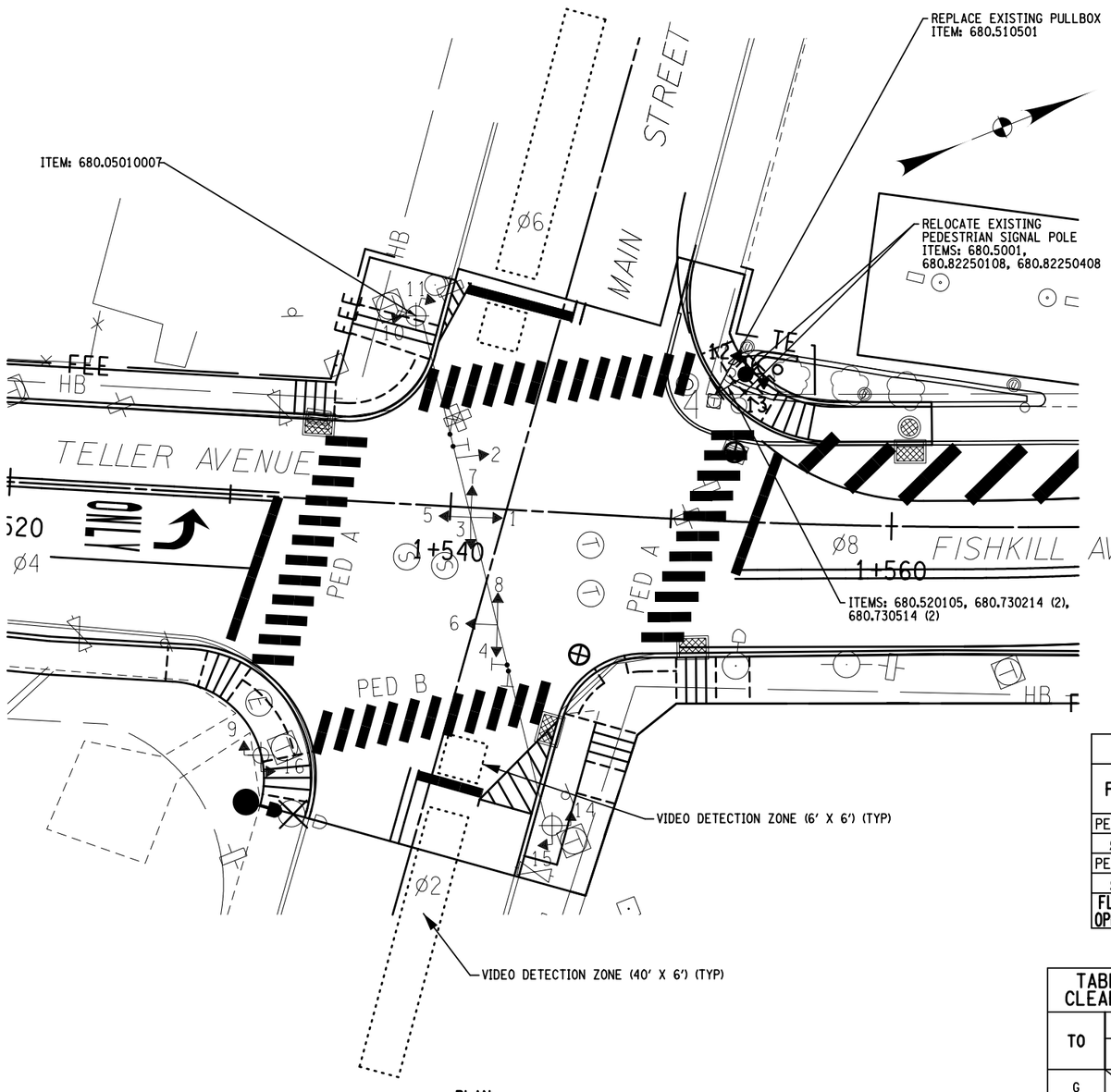
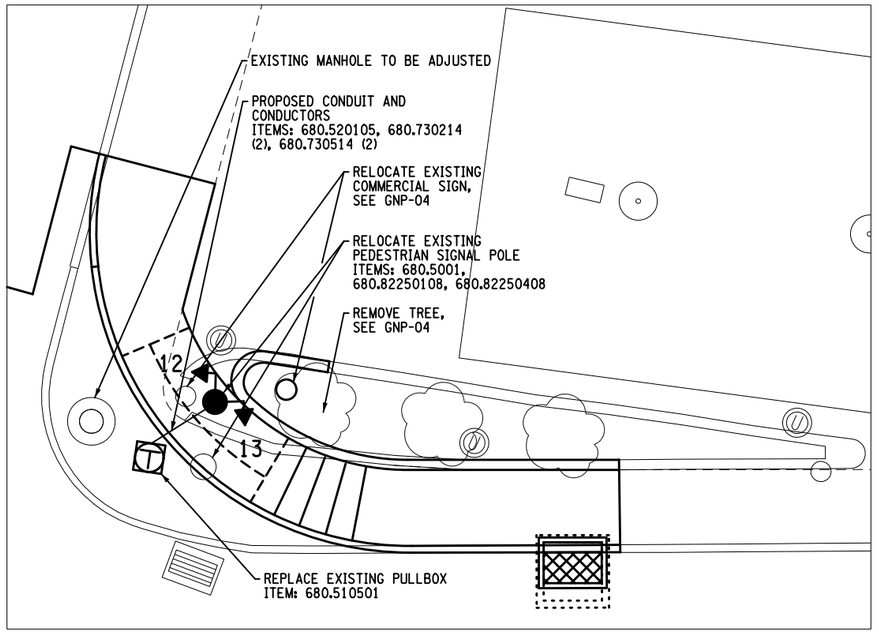
USER = DGN$USERNAME



PLAN



NW CORNER DETAIL PLAN

SIGNAL FACES

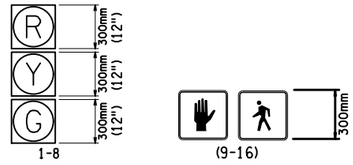


TABLE OF OPERATIONS																
PHASE	FACE															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
PED A LPI	R	R	R	R	R	R	R	R	W	W	D.W.	D.W.	W	W	D.W.	D.W.
Ø2+Ø6	R	R	G	G	R	R	G	G	W	W	D.W.	D.W.	W	W	D.W.	D.W.
PED B LPI	R	R	R	R	R	R	R	R	D.W.	D.W.	W	W	D.W.	D.W.	W	W
Ø4+Ø8	G	G	R	R	G	G	R	R	D.W.	D.W.	W	W	D.W.	D.W.	D.W.	D.W.
FLASHING OPERATION	FL. R	FL. R	FL. Y	FL. Y	FL. R	FL. R	FL. Y	FL. Y	BLANK		BLANK		BLANK		BLANK	

TABLE OF CLEARANCES		
TO	FROM	
	G	R
G		R/R
R	Y/R	

TABLE OF QUANTITIES MAIN STREET				
ITEM NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1	
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CM	5	
680.510501	PULLBOX-RECTANGULAR, 26 X 18 INCH, REINFORCED CONCRETE	EA	1	
680.520105	CONDUIT, METAL STEEL, ZINC COATED, 1 1/2"	M	3	
680.730214	SIGNAL CABLE, 2 CONDUCTOR, 14 AWG	M	10	
680.730514	SIGNAL CABLE, 5 CONDUCTOR, 14 AWG	M	10	
680.82250108	RELOCATE PEDSTRIAN PUSHBUTTONS AND SIGNS	EA	1	
680.82250408	RELOCATE PEDSTRIAN POLE	EA	1	

NOTES:

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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: TSP-3

PE DB | DE SM | PM DW

SIGNAL PLAN

SCALE: AS SHOWN

SHEET 79 OF 105

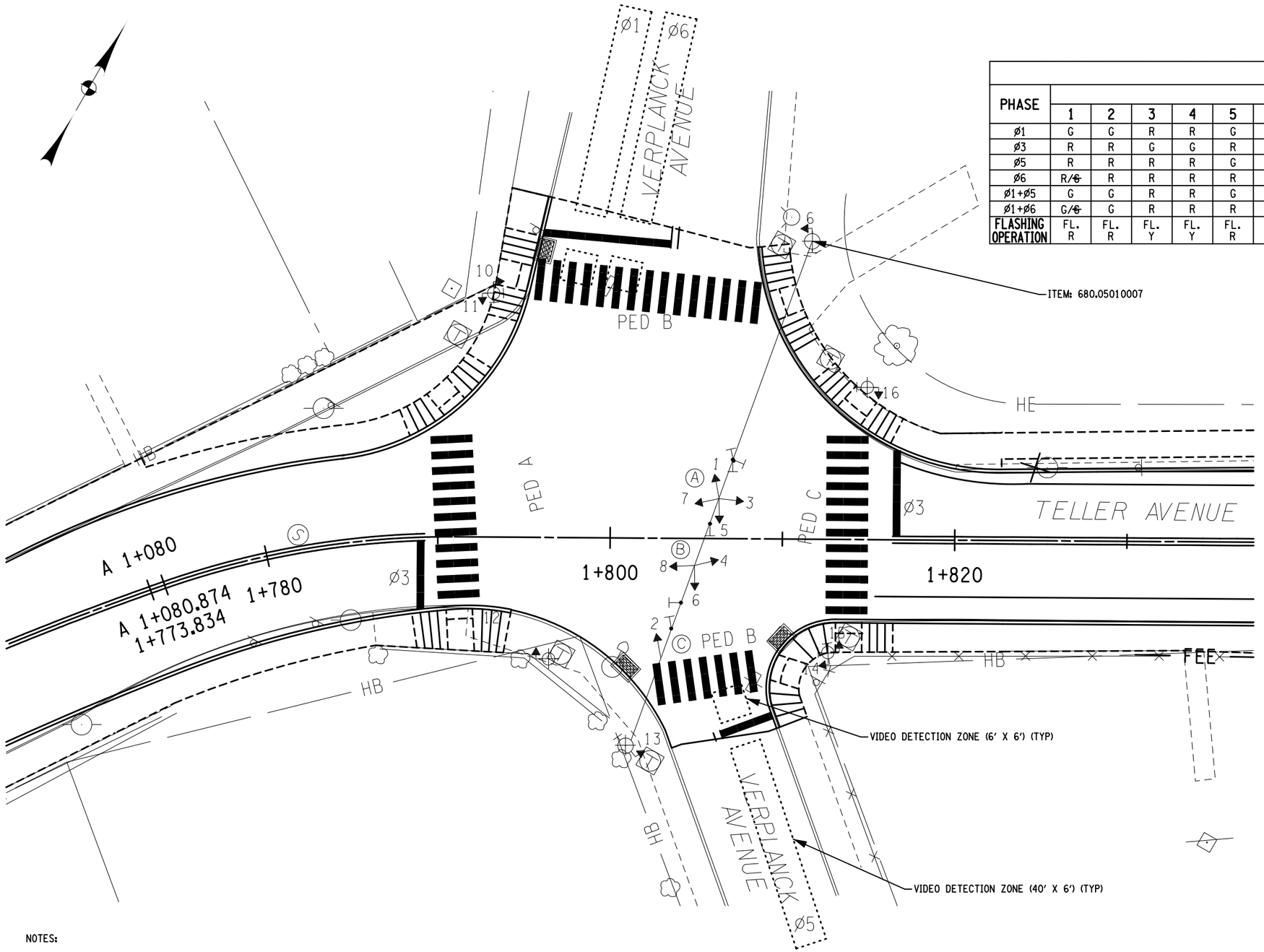
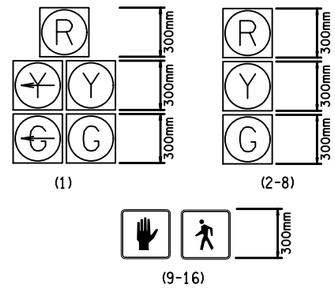


TABLE OF OPERATIONS																
PHASE	FACE															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
ø1	G	G	R	R	G	R	R	R	D.W.	D.W.	W	W	D.W.	D.W.	W	W
ø3	R	R	G	G	R	R	G	G	W	W	D.W.	D.W.	W	W	D.W.	D.W.
ø5	R	R	R	R	G	G	R	R	D.W.	D.W.	W	W	D.W.	D.W.	W	W
ø6	R/~~G~~	R	R	R	R	R	R	R	D.W.	D.W.	W	W	D.W.	D.W.	D.W.	D.W.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

TABLE OF CLEARANCES				
		FROM		
		G	G/~~G~~	R
TO	G	G / G	G/~~G~~ / R	R / R
	G/~~G~~	G / G	X	R / R
	R	Y / R	Y/~~Y~~ / R	R / R



SIGNAL FACES

NOTES:

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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: TSP-4

PE DB | DE SM | PM DW

SIGNAL PLAN

SCALE: AS SHOWN

SHEET 80 OF 105

FILE NAME = DGN$SPECG123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$STIME6012345678
USER = DGN$USERNAME

TABLE OF QUANTITIES MILL STREET

ITEM NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
619.1612	MAINTAIN TRAFFIC SIGNAL EQUIPTMENT - REQUIREMENT B	INTMO	6	
645.61	OVERHEAD SIGN PANELS	SM	1.35	
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1	
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CM	4	
680.600426	TRAFFIC SIGNAL POLE - SPAN WIRE, 18kN (4.0 KIP), 8m (26')	EA	2	
680.7002	DUAL SPAN WIRE ASSEMBLY WITH UPPER TETHER WIRE	EA	1	
680.730514	SIGNAL CABLE, 5 CONDUCTOR, 14 AWG	M	20	
680.731014	SIGNAL CABLE, 10 CONDUCTOR, 14 AWG	M	30	
680.731514	SIGNAL CABLE, 15 CONDUCTOR, 14 AWG	M	30	
680.79010008	REMOVE TRAFFIC SIGNAL EQUIPTMENT	LS	1	
680.80210010	2070 LITE CONTROLLER	EA	1	
680.80320108	FURNISH AND INSTALL MICROCOMPUTER CABINET (TYPE 330SR)	EA	1	
680.810101	TRAFFIC SIGNAL MODULE - 300mm (12") RED BALL, LED	EA	6	
680.810103	TRAFFIC SIGNAL MODULE - 300mm (12") YELLOW BALL, LED	EA	6	
680.810105	TRAFFIC SIGNAL MODULE - 300mm (12") GREEN BALL, LED	EA	6	
680.810107	TRAFFIC SIGNAL MODULE, 300mm (12") (HOUSING)	EA	18	
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY	EA	1	
680.8112	TRAFFIC SIGNAL BRACKET ASSEMBLY - 2 WAY	EA	1	
680.8113	TRAFFIC SIGNAL BRACKET ASSEMBLY - 3 WAY	EA	1	
680.8201	OVERHEAD SIGN ASSEMBLY - TYPE A	EA	1	
680.90920008	ELECTRIC METER SOCKET, 200 AMP, SINGLE PHASE, 240/120VOLT W/ BYPASS SWITCH FOR SIGNAL INSTALLATIONS	EA	1	
680.94000008	TRAFFIC SIGNAL SERVICE ENTRANCE	EA	1	
680.94997008	FURN. & INST. ELEC. DISCONNECT GENERATOR TRANSFER SWITCH	LS	1	
680.95020615	SERVICE CABLE, 2 CONDUCTOR, 6 AWG	M	10	
683.08020104	3G/4G LTE GATEWAY MODEM W/ANTENNA	EA	1	

TABLE OF POLES

STA. / SIDE OFFSET	ELEV.	ITEM	HEIGHT	DESIGN LOAD	FOOTING MOMENT
10.16m (33'-4") - LEFT	--	680.600426	8m (26')	16 kN (3.6 KIP)	118 kN-m (87.03 KIP-FT)
14.77m (48'-5½") - RIGHT	--	680.600426	8m (26')	16 kN (3.6 KIP)	118 kN-m (87.03 KIP-FT)

TABLE OF SIGNAL HEADS

HEAD	SIGNAL FACES	ITEM	BRACKET	CABLE	ITEM
A	2	680.810101, 680.810103, 680.810105, 680.810107 (3)	680.8111	14/05C-A-X/X	680.730514
B	1, 3, 5	680.810101 (3), 680.810103 (3), 680.810105 (3), 680.810107 (9)	680.8113	14/15C-B-X/X	680.731514
C	4, 6	680.810101 (2), 680.810103 (2), 680.810105 (2), 680.810107 (6)	680.8112	14/10C-C-X/X	680.731014

TABLE OF SIGNS

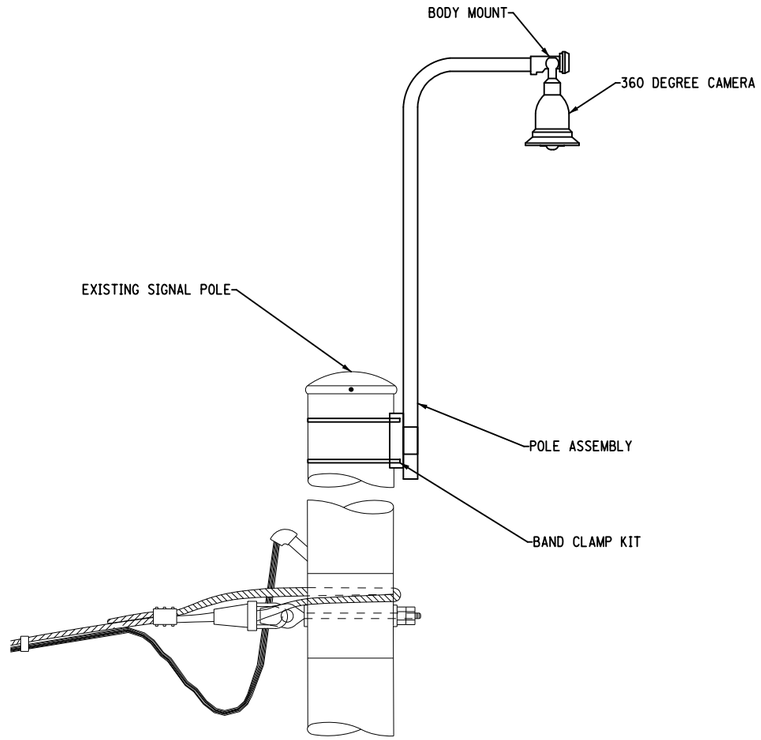
HEAD	ITEM	MUTCD	TEXT
D	645.61	R10-11 (600x750) (24"x30")	NO TURN ON RED

TABLE OF OPERATIONS

PHASE	FACE 1	2	3	4	5	6
START	G	G	G	G	R	R
ø2+ø6	G	G	G	G	R	R
ø8	R	R	R	R	G	G
FLASHING OPERATION	FL. Y	FL. Y	FL. Y	FL. Y	FL. R	FL. R

TABLE OF CLEARANCES

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



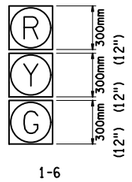
VIDEO DETECTION CAMERA DETAIL
MOUNTED ON A SPAN POLE

NOT TO SCALE

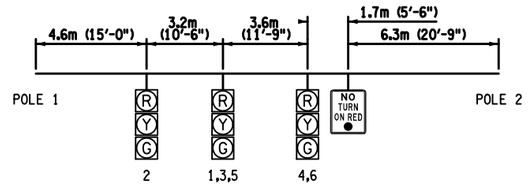
NOTES:

1. ALL MOUNTING HARDWARE SHALL BE PROVIDED BY THE MANUFACTURER AND BE INCLUDED IN THE PRICE OF THE 360 DEGREE VIDEO DETECTION SYSTEM.
2. ALL EQUIPMENT SHALL MEET THE CONTRACT SPECIFICATION. STYLE OF CAMERA AND HARDWARE MAY VARY BY MANUFACTURER.

SIGNAL FACE



SPAN WIRE SPACING DIAGRAM



5 0 5 10 15 m
SCALE

wsp			CITY OF BEACON
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES
PE DB	DE SM	PM DW	SIGNAL TABLES
			NO: TST-1
			SCALE: AS SHOWN
			SHEET 81 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME01234567
USER = DGN$USERNAME

TABLE OF QUANTITIES DELEVAN AVE

ITEM NUMBER	DESCRIPTION	UNIT	ESTIMATED QUANTITY	FINAL QUANTITY
206.03	CONDUIT EXCAVATION AND BACKFILL	M	3	
619.1612	MAINTAIN TRAFFIC SIGNAL EQUIPTMENT - REQUIREMENT B	INTMO	6	
645.61	OVERHEAD SIGN PANELS	SM	1.35	
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1	
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CM	5	
680.600730	TRAFFIC SIGNAL POLE - SPAN WIRE, 31kN (7.0 KIP), 9m (30')	EA	2	
680.7002	DUAL SPAN WIRE ASSEMBLY WITH UPPER TETHER WIRE	EA	1	
680.730514	SIGNAL CABLE, 5 CONDUCTOR, 14 AWG	M	20	
680.731014	SIGNAL CABLE, 10 CONDUCTOR, 14 AWG	M	60	
680.731914	SIGNAL CABLE 19 CONDUCTORS, 14 AWG	M	30	
680.80210010	2070 LITE CONTROLLER	EA	1	
680.80320108	FURNISH AND INSTALL MICROCOMPUTER CABINET (TYPE 330SR)	EA	1	
680.810101	TRAFFIC SIGNAL MODULE - 300mm (12") RED BALL, LED	EA	8	
680.810103	TRAFFIC SIGNAL MODULE - 300mm (12") YELLOW BALL, LED	EA	8	
680.810104	TRAFFIC SIGNAL MODULE - 12 INCH, YELLOW ARROW, LED	EA	2	
680.810105	TRAFFIC SIGNAL MODULE - 300mm (12") GREEN BALL, LED	EA	8	
680.810106	TRAFFIC SIGNAL MODULE - 12 INCH GREEN ARROW, LED	EA	2	
680.810107	TRAFFIC SIGNAL SECTION, 300mm (12") (HOUSING)	EA	26	
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY	EA	1	
680.8112	TRAFFIC SIGNAL BRACKET ASSEMBLY - 2 WAY	EA	2	
680.8201	OVERHEAD SIGN ASSEMBLY - TYPE A	EA	2	
680.90920008	ELECTRIC METER SOCKET, 200 AMP, SINGLE PHASE, 240/120VOLT W/ BYPASS SWITCH FOR SIGNAL INSTALLATIONS	EA	1	
680.94000008	TRAFFIC SIGNAL SERVICE ENTRANCE	EA	1	
680.94997008	FURN. & INST. ELEC. DISCONNECT GENERATOR TRANSFER SWITCH	LS	1	
680.95020615	SERVICE CABLE, 2 CONDUCTOR, 6 AWG	M	11	
683.08020104	3G/4G LTE GATEWAY MODEM W/ANTENNA	EA	1	

TABLE OF POLES

STA. / SIDE OFFSET	ELEV.	ITEM	HEIGHT	DESIGN LOAD	FOOTING MOMENT
21.33m (70'-0") - RIGHT	--	680.600730	9m (30')	27 kN (6.1 KIP)	233 kN-m (171.85 KIP-FT)
12.66m (41'-6") - LEFT	--	680.600730	9m (30')	27 kN (6.1 KIP)	233 kN-m (171.85 KIP-FT)

TABLE OF SIGNAL HEADS

HEAD	SIGNAL FACES	ITEM	BRACKET	CABLE	ITEM
A	2	680.810101, 680.810103, 680.810105, 680.810107 (3)	680.8111	14/05C-A-X/X	680.730514
B	1, 8	680.810101 (2), 680.810103 (2), 680.810105 (2), 680.810107 (6)	680.8112	14/10C-B-X/X	680.731014
C	5, 7	680.810101 (2), 680.810103 (2), 680.810104 (2), 680.810105 (2), 680.810106 (2), 680.810107 (10)	680.8112	14/19C-C-X/X	680.731914
D	3, 6	680.810101 (2), 680.810103 (2), 680.810105 (2), 680.810107 (6)	680.8112	14/10C-D-X/X	680.731014
E	4	680.810101, 680.810103, 680.810105, 680.810107 (3)	680.8111	14/05C-A-X/X	680.730514

TABLE OF OPERATIONS

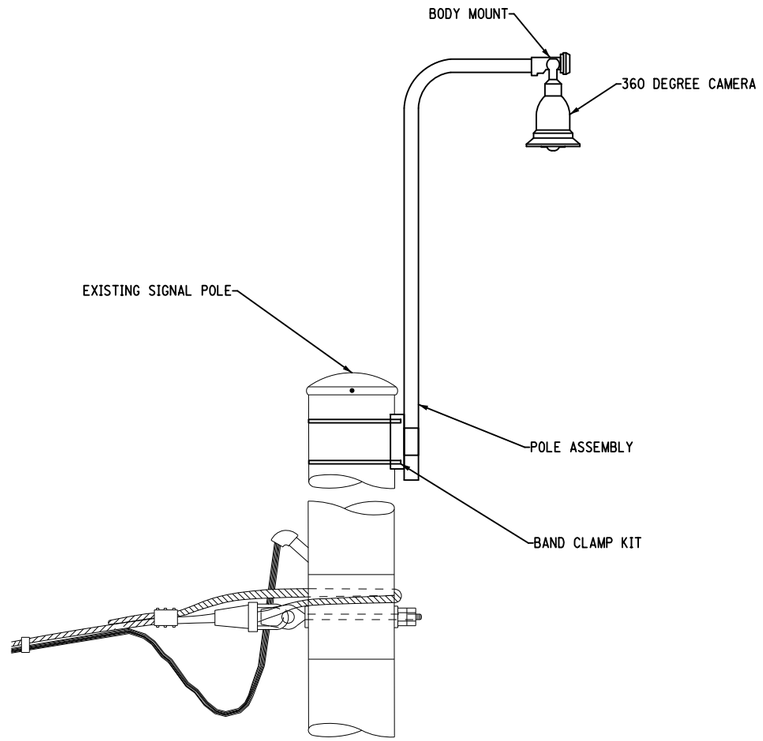
PHASE	FACE 1	2	3	4	5	6	7	8
START	R	R	R	R	G	G	G	G
ø1+ø5	R	R	R	R	R/~~G~~	R	R/~~G~~	R
ø2+ø6	R	R	R	R	G	G	G	G
ø4+ø8	G	G	G	G	R	R	R	R
FLASHING OPERATION	FL. R	FL. R	FL. R	FL. R	FL. Y	FL. Y	FL. Y	FL. Y

TABLE OF SIGNS

HEAD	ITEM	MUTCD	TEXT
E, F	645.61	R3-5L (750x900) (30"x36")	ONLY

TABLE OF CLEARANCES

TO \ FROM	G	R/~~G~~	R
G		R/~~Y~~ / R	R / R
R/~~G~~	Y / R		R / R
R	Y / R	R/~~Y~~ / R	



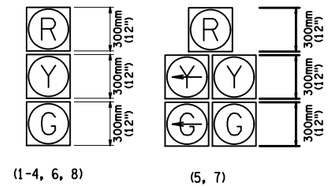
VIDEO DETECTION CAMERA DETAIL
MOUNTED ON A SPAN POLE

NOT TO SCALE

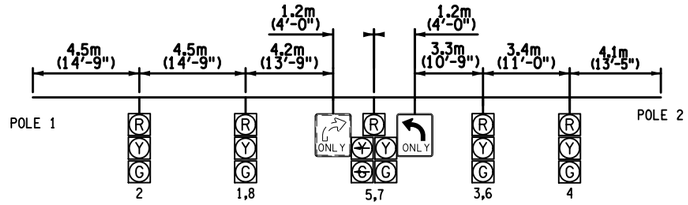
NOTES:

1. ALL MOUNTING HARDWARE SHALL BE PROVIDED BY THE MANUFACTURER AND BE INCLUDED IN THE PRICE OF THE 360 DEGREE VIDEO DETECTION SYSTEM.
2. ALL EQUIPMENT SHALL MEET THE CONTRACT SPECIFICATION. STYLE OF CAMERA AND HARDWARE MAY VARY BY MANUFACTURER.

SIGNAL FACES



SPAN WIRE SPACING DIAGRAM



5 0 5 10 15 m

SCALE

wsp		CITY OF BEACON	
DATE: JANUARY 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: TST-2
PE DB	DE SM PM DW	SIGNAL TABLES	SCALE: AS SHOWN / SHEET 82 OF 105

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME01234567
USER = DGN$USERNAME

RS-200M0D(305) 1/2 TRAIL SIGN (305) ITEM 647.31
BEACON RECYCLE TRANSFER
GREENWAYS TRAIL / LOOP FISHKILL CREEK TRAIL
D3-1(305) 3/3 ITEM 645.5101 (0.23 SQ.M.) WOLCOTT AVE.
D3-1(305) 2/3 ITEM 645.5101 (0.23 SQ.M.) TELLER AVE.
R1-1(726) 1/3 ITEM 645.5102 (0.53 SQ.M.) ITEM 645.81 (1) STOP
R5-1(30) 4 ITEM 647.51
D3-1(305) 7/12 ITEM 645.5101 (0.23 SQ.M.) MILLER ST.
D3-1(305) 2/12 ITEM 645.5101 (0.23 SQ.M.) ITEM 645.81 (1) TELLER AVE.
R7-1(305) 4/11 ITEM 645.5101 (0.14 SQ.M.) ITEM 645.81 (1) NO PARKING ANY TIME
R1-1(726) 9 ITEM 647.51
R7-1(305) 10 ITEM 647.51
102mm (4") WHITE SOLID LANE LINE ITEM 685.11 (TYP.)
D3-1(30) 13 D3-1(30) ITEM 647.51
610mm (24") CROSSWALK LINES ITEM 685.11 (TYP.)
R14-1(30) 14
RS-031(12) 15
R7-1L(305) 5/16 ITEM 645.5101 (0.14 SQ.M.) ITEM 645.81 (1) NO PARKING ANY TIME
102mm (4") WHITE SOLID PARKING LINES ITEM 685.11 (TYP.)
R7-1R(305) 6/20 ITEM 645.5101 (0.14 SQ.M.) ITEM 645.81 (1) NO PARKING ANY TIME
RESTAURANT SIGN 21 D3-1(305)
R7-4(305) 22 R7-4(305)
RS-031(305) 23
R7-1L(305) 5/24 ITEM 645.5101 (0.14 SQ.M.) ITEM 645.81 (1) NO PARKING ANY TIME
458mm (18") STOP BAR ITEM 685.11
LANE CONTROL ARROW ITEM 685.14
610mm (24") CROSSWALK LINES ITEM 685.11 (TYP.)
PROJECT LIMIT OF WORK STA. 1+009.265, P.I.N. 8757.80
D3-1(305) 5 D3-1(305) ITEM 647.51
R4-7a(305) 6 ITEM 647.51
R7-1(305) 4/8 ITEM 645.5101 (0.14 SQ.M.) ITEM 645.81 (1) NO PARKING ANY TIME
R7-4(305) 7 ITEM 647.51
BUS STOP SIGN 176 177 ITEM 647.31
D3-1(305) 8/17 ITEM 645.5101 (0.23 SQ.M.) ITEM 645.85 (1) FOWLER ST.
D3-1(305) 2/17 ITEM 645.5101 (0.23 SQ.M.) ITEM 645.85 (1) TELLER AVE.
D3-1(305) 18 D3-1(305) ITEM 647.51
R7-1(305) 4/19 ITEM 645.5101 (0.14 SQ.M.) ITEM 645.81 (1) NO PARKING ANY TIME
102mm (4") DOUBLE YELLOW FULL BARRIER CENTERLINE ITEM 685.12 (TYP.)
610mm (24") CROSSWALK LINES ITEM 685.11 (TYP.)
610mm (24") CROSSWALK LINES ITEM 685.11 (TYP.)

POB STA 0+999.930
WOLCOTT AVENUE
MILLER STREET
WEST CENTER STREET
FOWLER STREET
0.61m (2'-0")
3.3m (10'-10")
3.3m (10'-10")
3.3m (10'-10")
3.3m (10'-10")
3.3m (10'-10")
2.4 (8'-0") (MIN)
0.3 (1'-0") (MIN)
PC STA. 1+088.557
PT STA. 1+099.906
PC STA. 1+115.200
PT STA. 1+122.336
1+000
1+020
1+040
1+060
1+080
1+100
1+120
1+140
1+160
MATCH LINE STA. 1+162.401 SEE SSP-02

*939654 CYRUS VAUGHN 0.22 AC
*936664 EDWARD J SABLINSKI OJI AC
*939668 PAMELA KOEBER-DIEBBOLL OJ2 AC
*941673 ANDREW NENNO (NICHOLAS SPIAK) OJ2 AC
*944677 29 TELLER AVE LLC OJ2 AC
*949684 ANNY S ROBINSON OJI AC
916 WOLCOTT AVE. *946642 LAJ BEACON LLC 0.45 AC
*949650 GREGORY J COLE 0.28 AC
4 FOWLER ST. *951663 WARREN VAN DEMARK OJO AC
*956666 NICHOLAS DEREVJANIK OJO AC
*959670 FRED SANTIVENERE OJ2 AC
*962674 CHARLIE LOPEZ OJ2 AC
*964679 NORMAN P LECLERC OJ2 AC

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

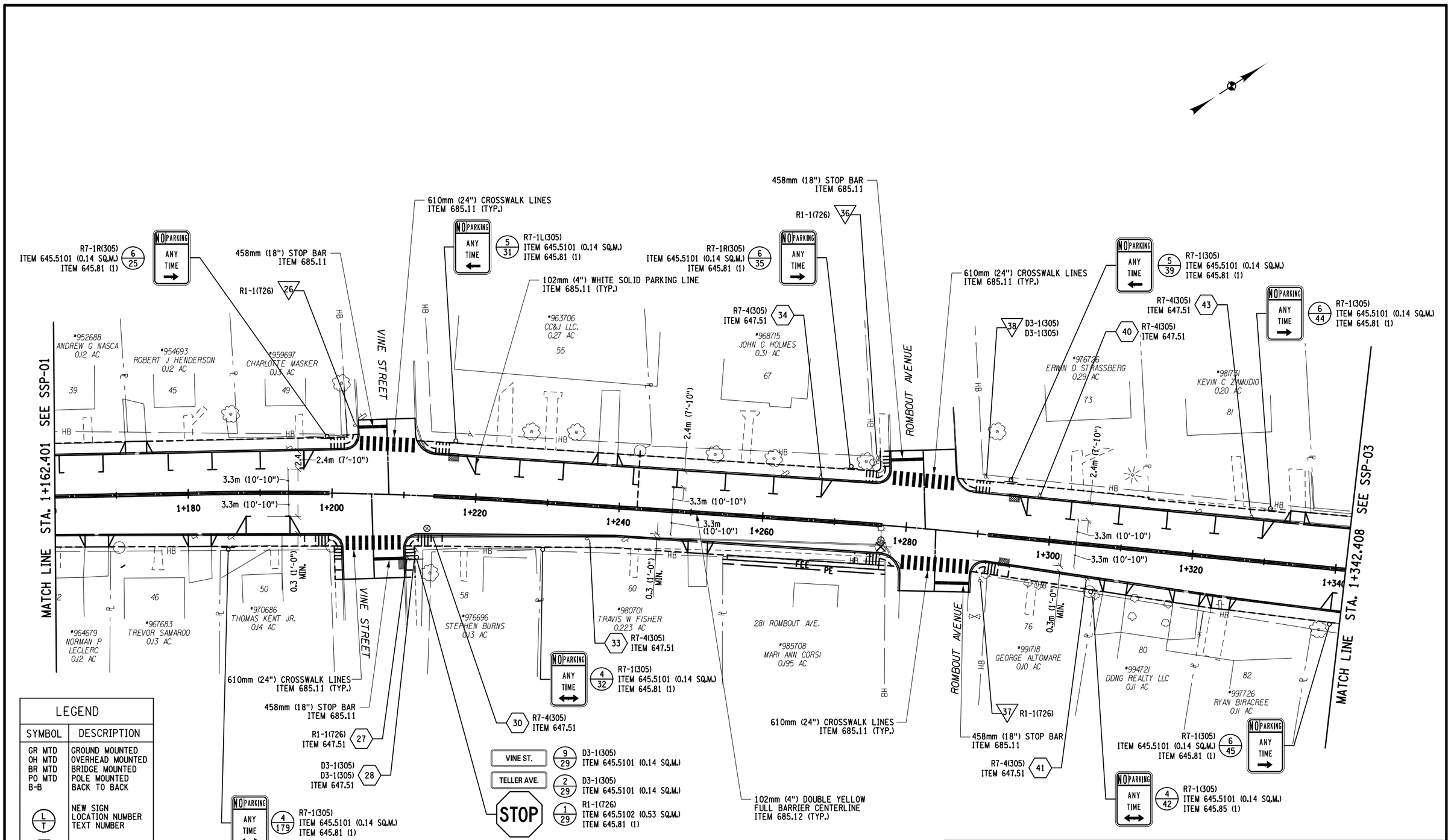
5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME6D23456
USER = DGN$USERNAME

WSP

CITY OF BEACON

DATE: JANUARY 2023
PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES
NO: SSP-01
PE DB DE SM PM DW
SIGNING & STRIPING PLANS
SCALE: AS SHOWN
SHEET 83 OF 105



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

FILE NAME = DGN$SPEC@1234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME@123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

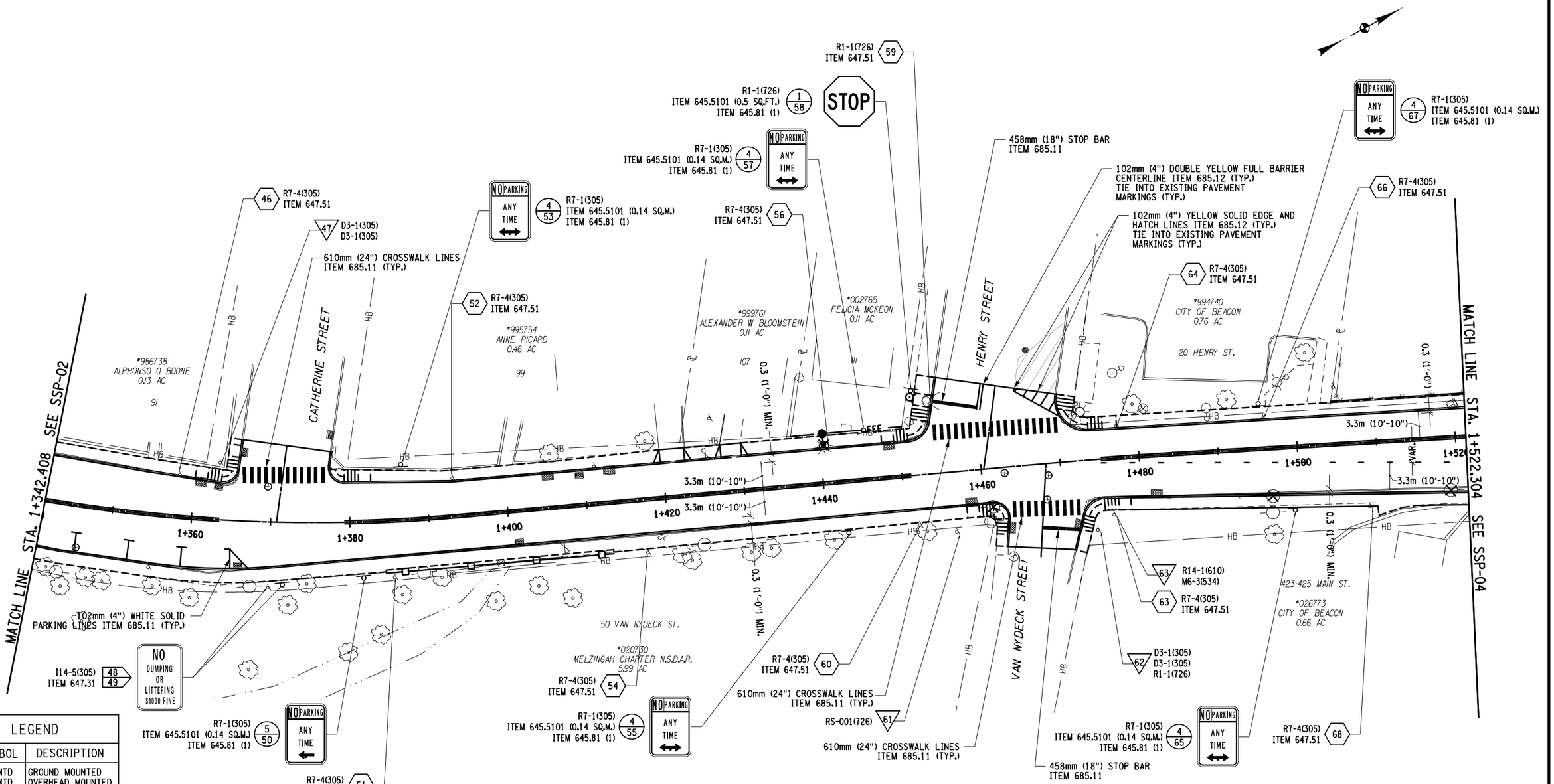
NO: SSP-02

PE DB | DE SM | PM DW

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 84 OF 105



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

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME$0123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

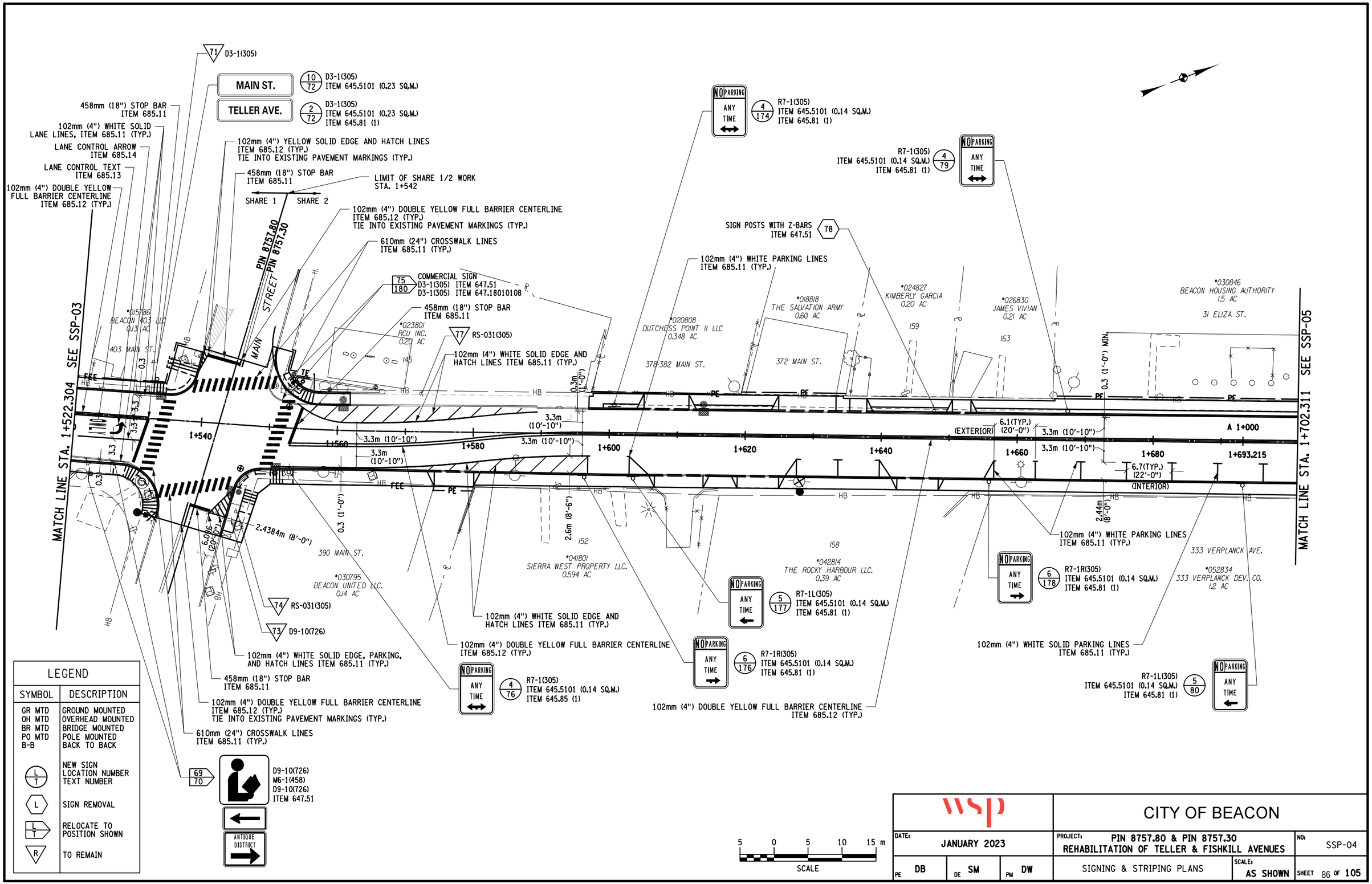
NO: SSP-03

PE DB | DE SM | PM DW

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 85 OF 105



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

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

wsp

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

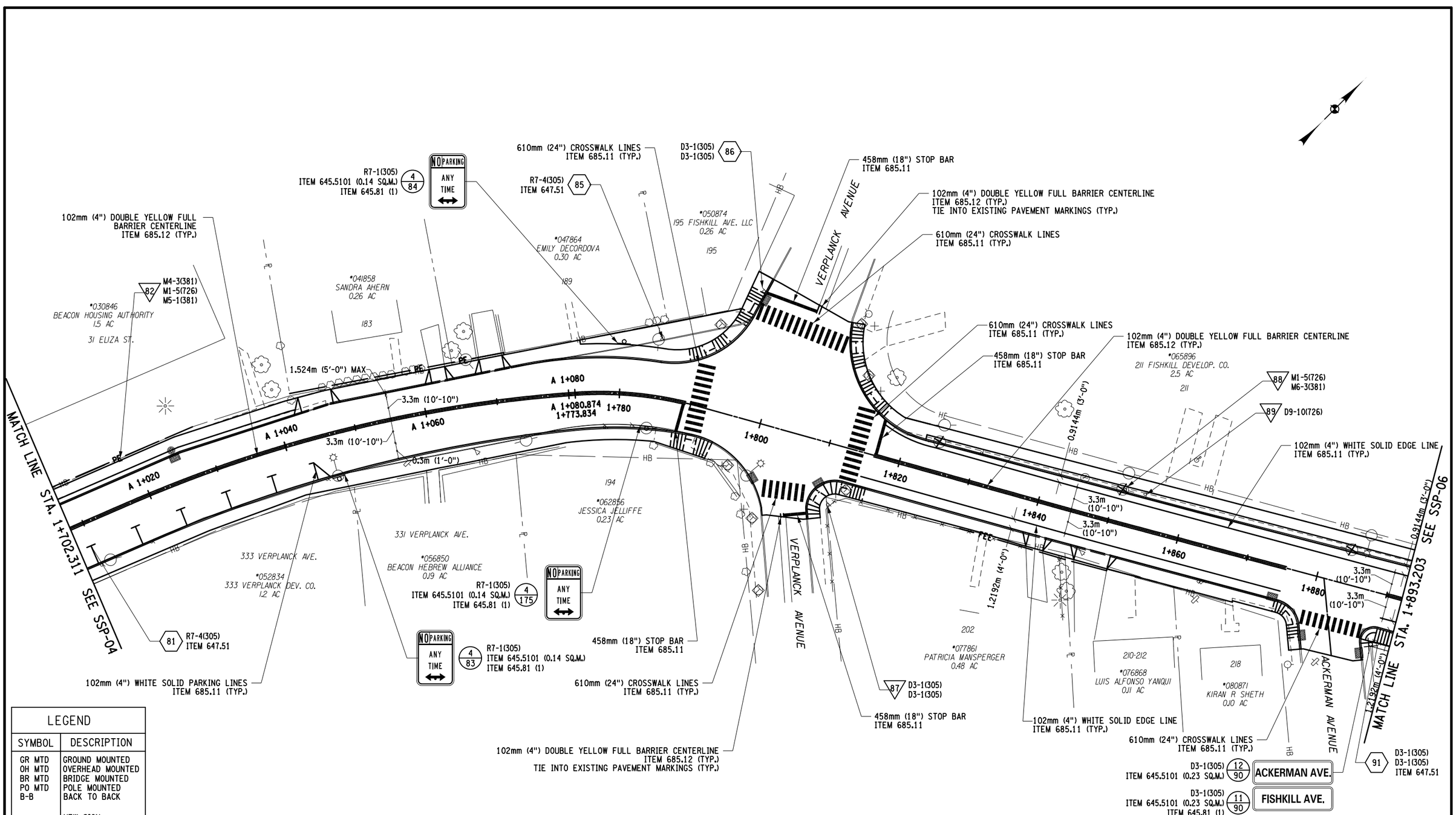
PROJECT: PIN 8757.80 & PIN 8757.30
REHABILITATION OF TELLER & FISHKILL AVENUES

NO: SSP-04

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 86 OF 105



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

5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345
DATE/TIME = DGN$SYSTIMED0123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

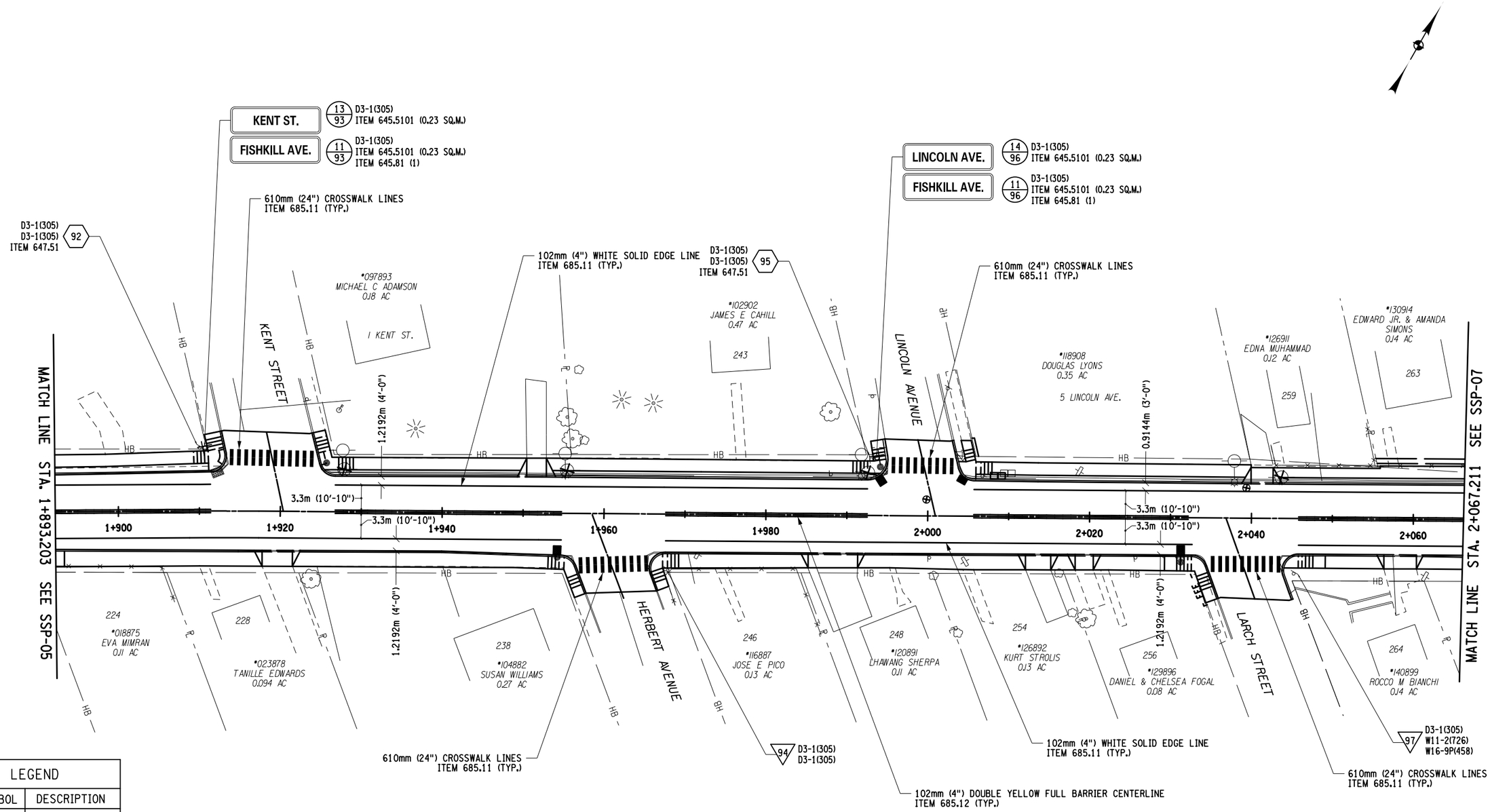
NO: SSP-05

PE DB | DE SM | PM DW

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 87 OF 105



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

5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME$0123456
USER = DGN$USERNAME

WSP

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

NO: SSP-06

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 88 OF 105

MATCH LINE STA. 2+067.211
SEE SSP-06

MATCH LINE STA. 2+258.481
SEE SSP-08

WILKES STREET
MAPLE STREET
ROBERT CAHILL DRIVE
FRANKLIN AVENUE
BLACKBURN AVENUE
2-116 ROBERT CAHILL DR.

102mm (4") WHITE SOLID EDGE LINE ITEM 685.11 (TYP.)
102mm (4") DOUBLE YELLOW FULL BARRIER CENTERLINE ITEM 685.12 (TYP.)
102mm (4") WHITE SOLID EDGE LINE ITEM 685.11 (TYP.)
102mm (4") WHITE DASHED LANE LINE ITEM 685.11 (TYP.)
98 D3-1(305) D3-1(305)
610mm (24") CROSSWALK LINES ITEM 685.11 (TYP.)
458mm (18") STOP BAR ITEM 685.11
R1-1(762) ITEM 647.51 102
R1-1(762) ITEM 645.5101 (0.53 SQ.M.) ITEM 645.81 (1) 1/101
STOP
LANE CONTROL ARROW ITEM 685.14
LANE CONTROL TEXT ITEM 685.13
610mm CROSSWALK LINES ITEM 685.11 (TYP.)
D3-1(305) M1-5(726) M6-3(726) ITEM 647.51 104
D3-1(305) ITEM 645.5101 (0.23 SQ.M.) ITEM 645.81 (1) 15/105 WILKES ST.
D3-1(305) ITEM 645.5101 (0.23 SQ.M.) ITEM 645.81 (1) 11/105 FISHKILL AVE.
NYR9-7(12) W16-7P(12) ITEM 647.51 106
*164006 CITY OF BEACON 49.3 AC
NYR9-7(305) ITEM 645.5101 (0.14 SQ.M.) 19/120
W16-7P(305) ITEM 645.5101 (0.05 SQ.M.) ITEM 645.81 (1) 20/120
STATE LAW YIELD TO IN CROSSWALK
610mm (24") CROSSWALK LINES ITEM 685.11 (TYP.)
EXISTING BULLETIN BOARD ITEM 647.18010208 116/117
WORK TO BE DONE BY OTHERS
NYR9-7(305) ITEM 645.5101 (0.14 SQ.M.) 19/107
W16-7P(305) ITEM 645.5101 (0.05 SQ.M.) ITEM 645.81 (1) 20/107
LANE CONTROL TEXT ITEM 685.13
NEWBURGH BEACON BRIDGE
102mm (4") WHITE SOLID LANE LINE ITEM 685.11 (TYP.)
M1-5(726) ITEM 645.5102 (0.45 SQ.M.) 21/108
M6-3(534) ITEM 645.5102 (0.21 SQ.M.) ITEM 645.81 (1) 22/108
LANE CONTROL ARROW ITEM 685.14
D3-1(305) ITEM 645.5101 (0.23 SQ.M.) 23/112 FRANKLIN AVE.
D3-1(305) ITEM 645.5101 (0.23 SQ.M.) ITEM 645.81 (1) 11/112 FISHKILL AVE.
D3-1(305) D3-1(305) ITEM 647.51 111
NYR9-7(305) W16-7P(305) ITEM 647.51 121
R1-1(726) PARK SIGN R5-2(610) ITEM 647.51 WORK TO BE DONE WITH OTHERS 122/123
458mm (18") STOP BAR ITEM 685.11
R5-2(610) ITEM 647.51 124/125
FISHKILL AVE.
D3-1(305) ITEM 645.5101 (0.23 SQ.M.) ITEM 645.81 (1) 11/126
D3-1(305) ITEM 647.51 127
LANE CONTROL ARROW ITEM 685.14
102mm (4") WHITE SOLID LANE LINE ITEM 685.11 (TYP.)
LANE CONTROL TEXT ITEM 685.13
RAISED CROSSWALK
AHEAD
W17-1(762) ITEM 645.5102 (0.56 SQ.M.) 18/134
W16-9P(610) ITEM 645.5102 (0.18 SQ.M.) ITEM 645.81 (1) 17/134

*146921 THE SCHMIDT LIVING TRUST 0.26 AC
*139917 KAREN CLARK 0.11 AC
*152924 KJAM LLC 0.13 AC
*158909 ANITA OKOH 0.14 AC
*165913 EDWARD J WILLIAMS JR. 0.17 AC
*155906 NOAH ROSALER 0.16 AC
*149903 GARY P GILLAND 0.19 AC
*143902 JENNIFER MCGUIRE 0.13 AC
*177912 RONALD PABLIARO 0.14 AC
*310 IG4 LLC
277 269 283 282 290 276 272 266 298

W11-2(762) ITEM 645.5102 (0.56 SQ.M.) 16/99
W16-9P(610) ITEM 645.5102 (0.18 SQ.M.) ITEM 645.81 (1) 17/99
AHEAD
W17-1(762) ITEM 645.5102 (0.56 SQ.M.) 18/100
W16-9P(610) ITEM 645.5102 (0.18 SQ.M.) ITEM 645.81 (1) 17/100
RAISED CROSSWALK
AHEAD

102mm (4") WHITE SOLID LANE LINE ITEM 685.11 (TYP.)
RAISED CROSSWALK APPROACH MARKINGS ITEM 685.14 (TYP.)
NYR9-7(305) ITEM 645.5101 (0.14 SQ.M.) 19/103
W16-7P(305) ITEM 645.5101 (0.05 SQ.M.) ITEM 645.81 (1) 20/103
STATE LAW YIELD TO IN CROSSWALK
610mm (24") CROSSWALK LINES ITEM 685.11 (TYP.)
R6-1(915) ITEM 645.5102 (0.27 SQ.M.) ITEM 645.81 (1) 24/113
ONE WAY
R7-1(305) ITEM 645.5101 (0.14 SQ.M.) ITEM 645.81 (1) 4/114
NO PARKING ANY TIME
NYR9-7(305) W16-7P(305) ITEM 647.51 109
102mm (4") DOUBLE YELLOW FULL BARRIER CENTERLINE ITEM 685.12 (TYP.)
305mm (12") YELLOW HATCH LINES ITEM 685.12 (TYP.)
R6-1(305) ITEM 647.51 110
102mm (4") DOUBLE YELLOW FULL BARRIER CENTERLINE ITEM 685.12 (TYP.)
RAISED CROSSWALK APPROACH MARKINGS ITEM 685.14 (TYP.)
NYR9-7(305) ITEM 645.5101 (0.14 SQ.M.) 19/118
W16-7P(305) ITEM 645.5101 (0.05 SQ.M.) ITEM 645.81 (1) 20/118
STATE LAW YIELD TO IN CROSSWALK
NYR9-7(305) W16-7P(305) ITEM 647.51 119
R7-4(305) ITEM 647.51 115
458mm (18") STOP BAR ITEM 685.11
610mm (24") CROSSWALK LINES ITEM 685.11 (TYP.)
CUSTOM SIGN 128
R1-1(726) D3-1(305) 129
M4-3(610) M5-1(726) ITEM 647.51 130
M4-3(610) ITEM 645.5102 (0.18 SQ.M.) 25/131
BUSINESS 52
M1-5(726) ITEM 645.5102 (0.36 SQ.M.) ITEM 645.81 (1) 26/131
R14-1(534) M6-3(534) ITEM 647.51 132
102mm (4") DOUBLE YELLOW FULL BARRIER CENTERLINE ITEM 685.12 (TYP.)
102mm (4") WHITE SOLID EDGE LINE ITEM 685.11 (TYP.)
R14-1(610) ITEM 645.5102 (0.27 SQ.M.) 27/133
M6-3(534) ITEM 645.5102 (0.21 SQ.M.) ITEM 645.81 (1) 22/133
TRUCK ROUTE

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

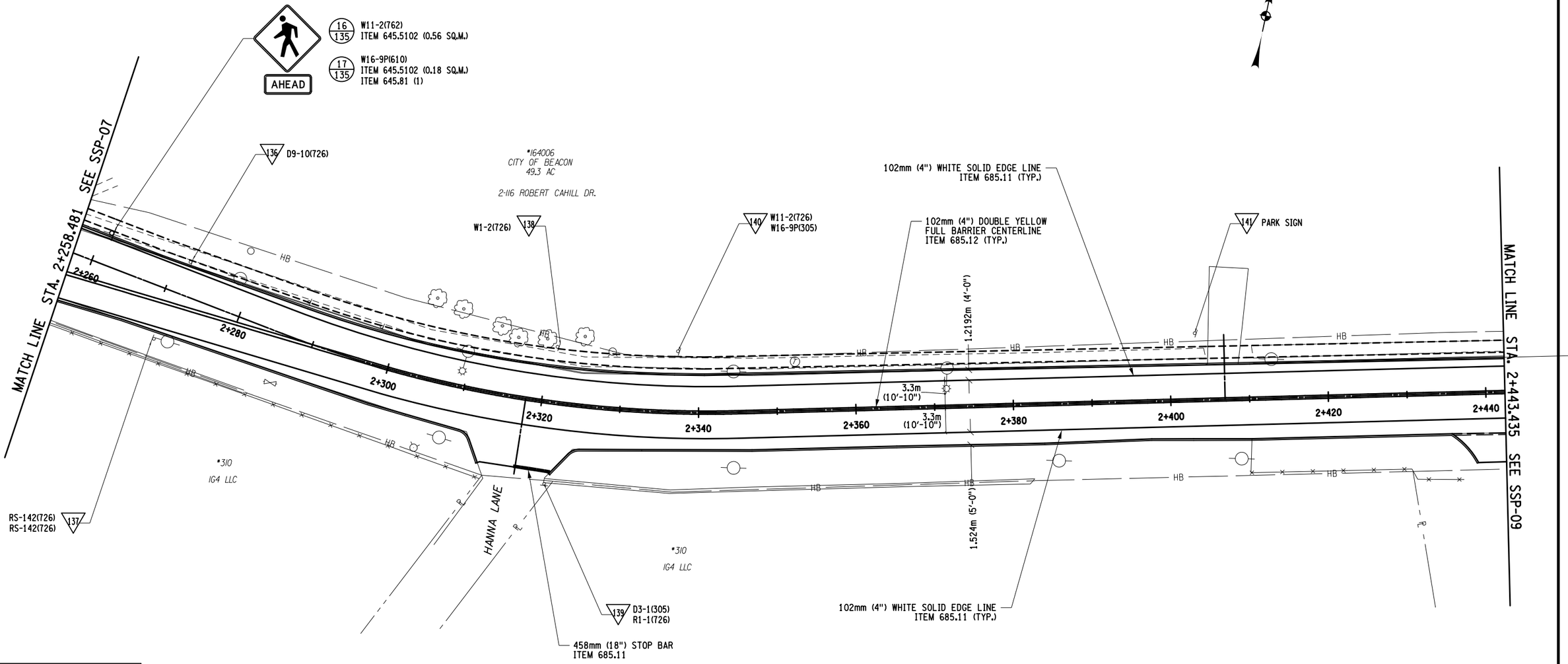
5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$STIME0123456
USER = DGN$USERNAME

WSP

CITY OF BEACON

DATE: JANUARY 2023
PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES
NO: SSP-07
PE DB DE SM PM DW
SIGNING & STRIPING PLANS
SCALE: AS SHOWN
SHEET 89 OF 105



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

5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

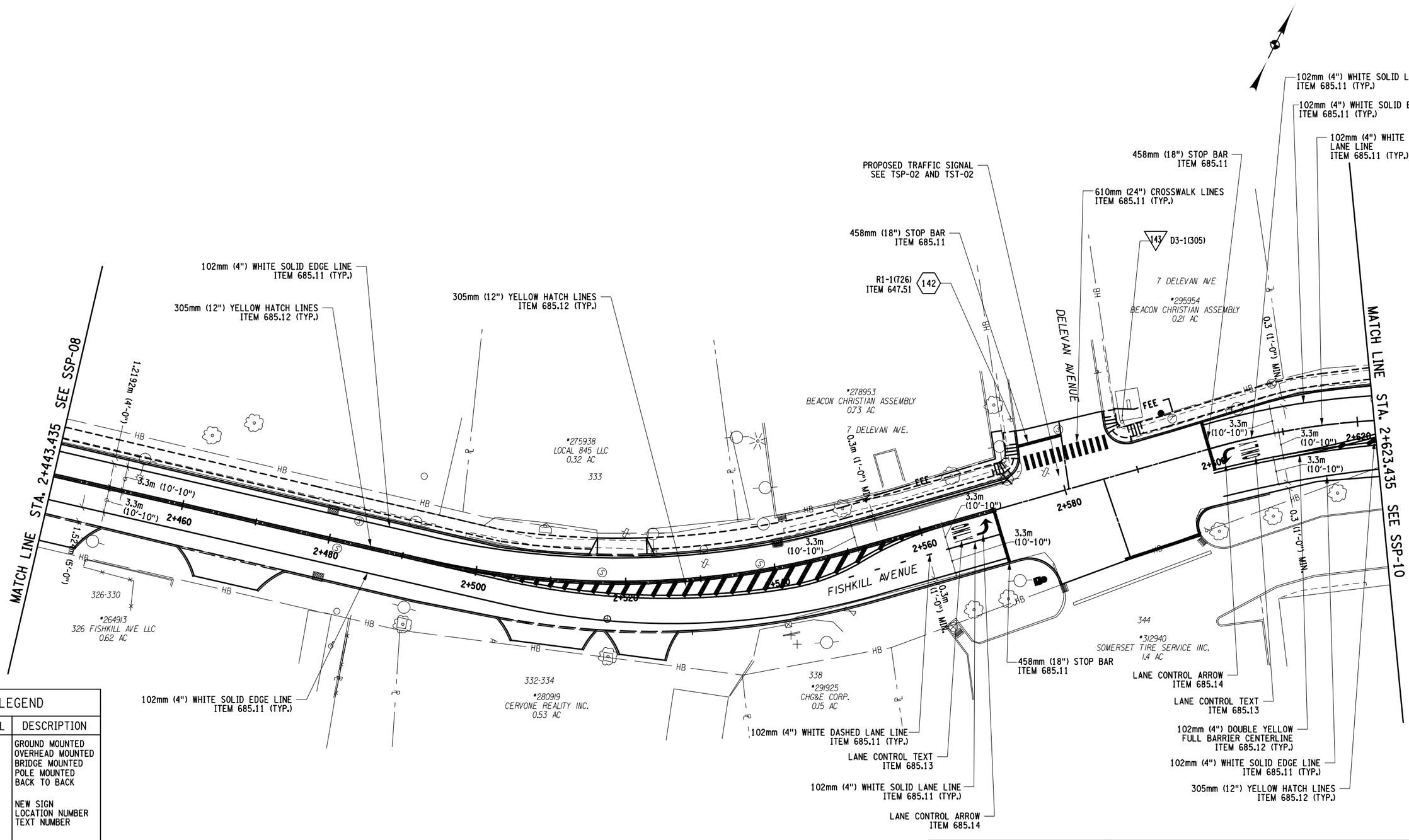
NO: SSP-08

PE DB | DE SM | PM DW

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 90 OF 105



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

5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

WSP

CITY OF BEACON

DATE: JANUARY 2023

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

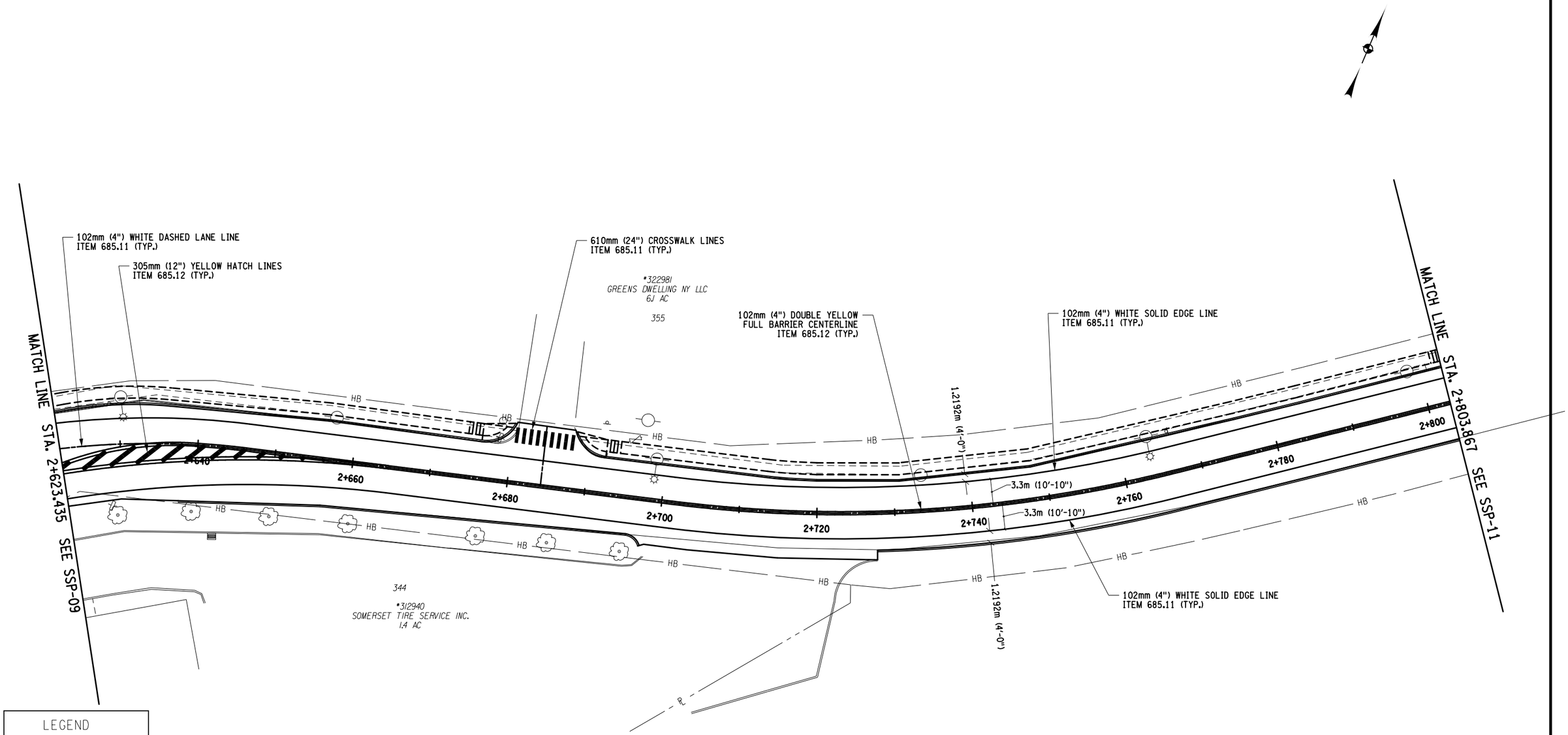
NO: SSP-09

PE DB | DE SM | PM DW

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 91 OF 105



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

5 0 5 10 15 m
SCALE

WSP

CITY OF BEACON

DATE: JANUARY 2023

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

NO: SSP-10

PE DB | DE SM | PM DW

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 92 OF 105

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

458mm (18") STOP BAR
ITEM 685.11

610mm (24") CROSSWALK LINES
ITEM 685.11 (TYP.)

DALLIS PL.

28/144 D3-1(305)
ITEM 645.5101 (0.23 SQ.M.)
ITEM 645.81 (1)

102mm (4") WHITE SOLID EDGE LINE
ITEM 685.11 (TYP.)

*360001
DALLIS PLACE PROPERTIES LLC
0.697 AC

10 DALLIS PL.

145 D3-1(305)
ITEM 647.51

DALLIS PLACE

SEE SSP-10

MATCH LINE STA. 2+803.867

HB

2+820

2+840

2+860

2+880

2+900

2+920

2+940

2+960

2+980

3.3m (10'-10")

1.0668m (3'-6")

102mm (4") WHITE SOLID EDGE LINE
ITEM 685.11 (TYP.)

517 MAIN ST.

*096715
METRO-NORTH COMMUTER RR CO.
49.9 AC

*370015
DAVID W ALLIS TRUSTEE
1.853 AC

20 DALLIS PL.

102mm (4") DOUBLE YELLOW
FULL BARRIER CENTERLINE
ITEM 685.12 (TYP.)

146 R2-1(726)

*384022
JOSH KOGAN
0.77 AC

389

MATCH LINE STA. 2+983.900

SEE SSP-12

LEGEND

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

5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$STIME6012345678901234
USER = DGN$USERNAME

WSP

CITY OF BEACON

DATE: JANUARY 2023

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

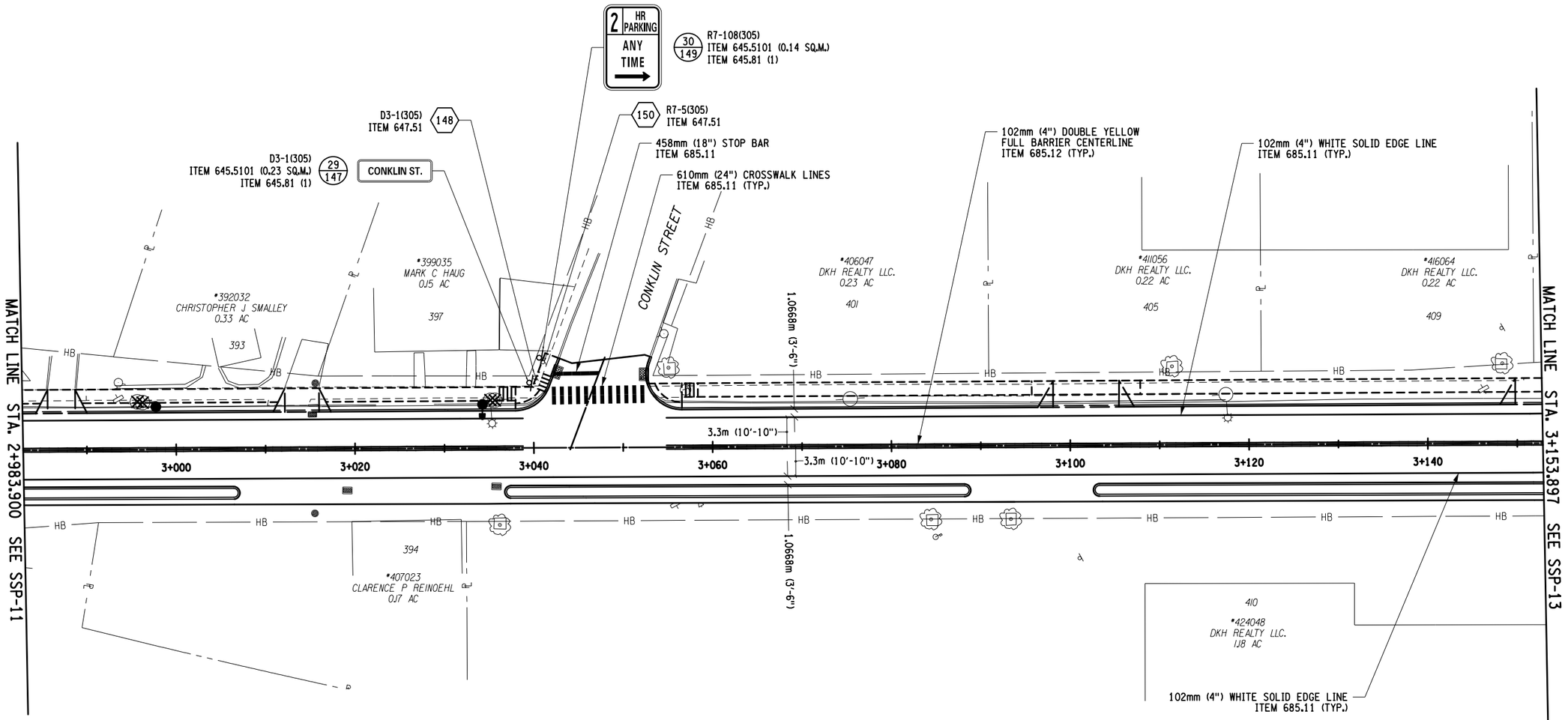
NO: SSP-11

PE DB | DE SM | PM DW

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 93 OF 105



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

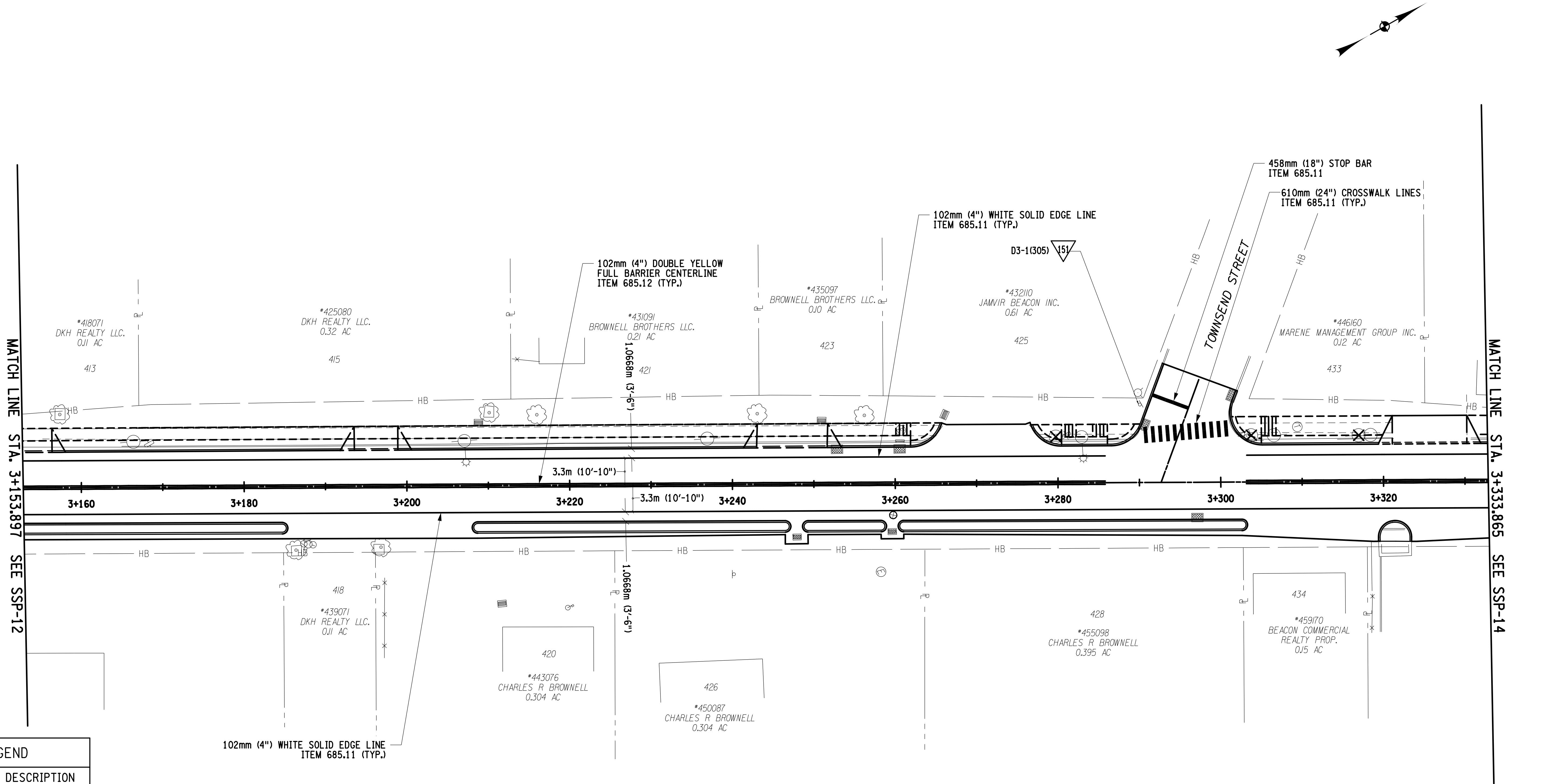
5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$STIME0123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: SSP-12
PE DB	DE SM	PM DW	SIGNING & STRIPING PLANS	SCALE: AS SHOWN	SHEET 94 OF 105


MATCH LINE STA. 3+153.897 SEE SSP-12
MATCH LINE STA. 3+333.865 SEE SSP-14
102mm (4") DOUBLE YELLOW
FULL BARRIER CENTERLINE
ITEM 685.12 (TYP.)
102mm (4") WHITE SOLID EDGE LINE
ITEM 685.11 (TYP.)
458mm (18") STOP BAR
ITEM 685.11
610mm (24") CROSSWALK LINES
ITEM 685.11 (TYP.)
D3-1(305) 151
TOWNSEND STREET
3.3m (10'-10")
3.3m (10'-10")
1.0668m (3'-6")
1.0668m (3'-6")
3+160
3+180
3+200
3+220
3+240
3+260
3+280
3+300
3+320
HB
*418071
DKH REALTY LLC.
0.11 AC
413
*425080
DKH REALTY LLC.
0.32 AC
415
*431091
BROWNELL BROTHERS LLC.
0.21 AC
421
*435097
BROWNELL BROTHERS LLC.
0.10 AC
423
*432110
JAMVIR BEACON INC.
0.61 AC
425
*446160
MARENE MANAGEMENT GROUP INC.
0.12 AC
433
418
*439071
DKH REALTY LLC.
0.11 AC
420
*443076
CHARLES R BROWNELL
0.304 AC
426
*450087
CHARLES R BROWNELL
0.304 AC
428
*455098
CHARLES R BROWNELL
0.395 AC
434
*459170
BEACON COMMERCIAL
REALTY PROP.
0.15 AC
102mm (4") WHITE SOLID EDGE LINE
ITEM 685.11 (TYP.)
5 0 5 10 15 m
SCALE

LEGEND

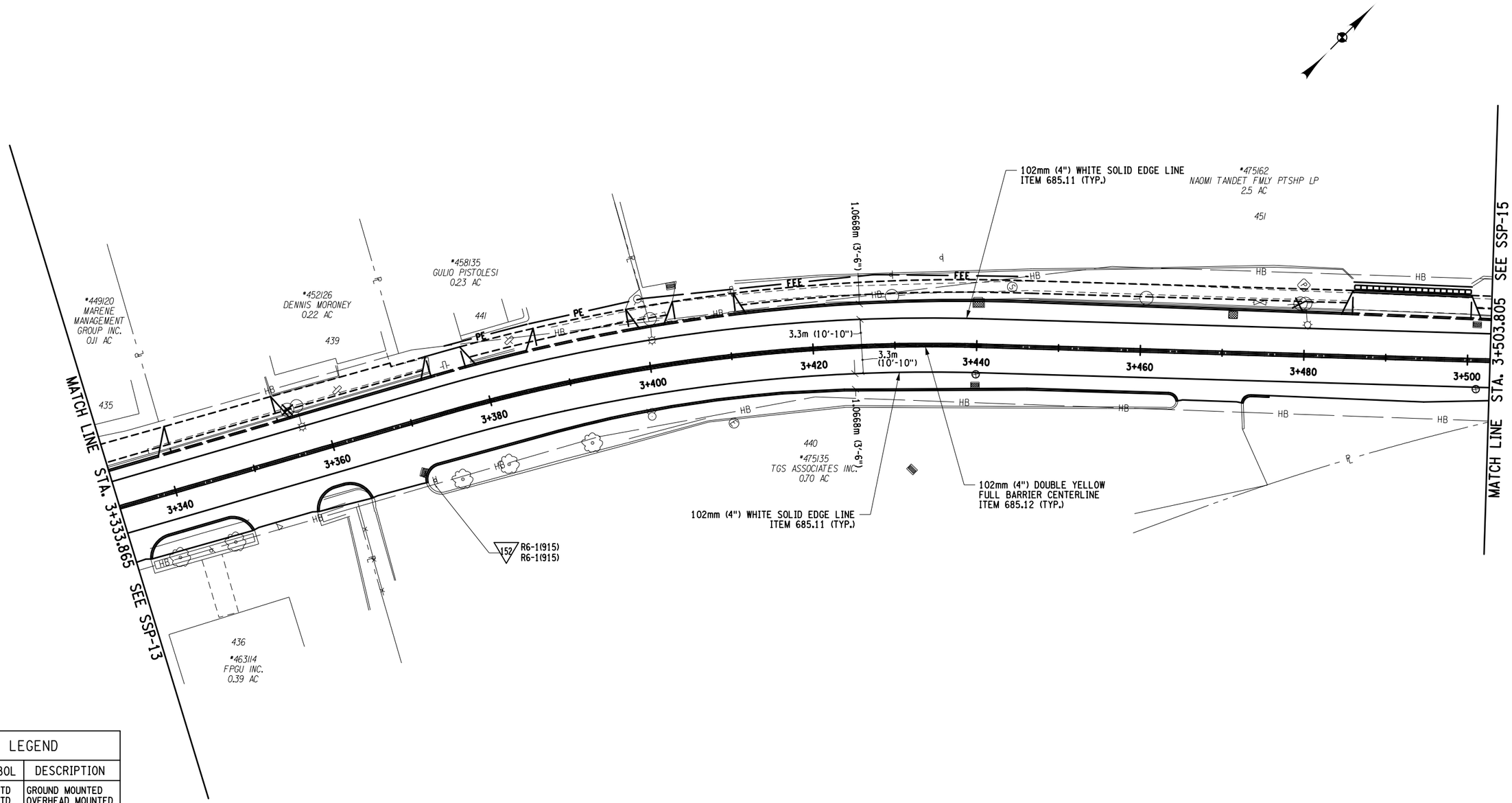
SYMBOL	DESCRIPTION
GR MTD	GROUND MOUNTED
OH MTD	OVERHEAD MOUNTED
BR MTD	BRIDGE MOUNTED
PO MTD	POLE MOUNTED
B-B	BACK TO BACK
(L/T)	NEW SIGN LOCATION NUMBER TEXT NUMBER
(L)	SIGN REMOVAL
(L/T)	RELOCATE TO POSITION SHOWN
(R)	TO REMAIN

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

wsp

CITY OF BEACON

DATE: JANUARY 2023	PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: SSP-13
PE DB / DE SM / PM DW	SIGNING & STRIPING PLANS	SCALE: AS SHOWN	SHEET 95 OF 105



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

5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPECD123456789012345678901234567890123456
DATE/TIME = DGN$SYSTIME$0123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: SSP-14

PE DB | DE SM | PM DW

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 96 OF 105

STATE ST.

FISHKILL AVE.

31/156 D3-1(305) ITEM 645.5101 (0.23 SQ.M.)

11/156 D3-1(305) ITEM 645.5101 (0.23 SQ.M.) ITEM 645.81 (1)

D3-1(305) D3-1(305) ITEM 647.51 155

REMOVE STEEL BUSINESS SIGN POST ITEM 647.01000102

R7-4(305) ITEM 647.51 154

R7-4(305) ITEM 647.51 153

*498177
WHITEFIELD PROPERTIES LLC.
0.22 AC
461

STATE STREET

610mm (24") CROSSWALK LINES ITEM 685.11 (TYP.)

102mm (4") WHITE SOLID EDGE LINE ITEM 685.11 (TYP.)

*508186
LABU MIAH
0.22 AC
469

458mm (18") STOP BAR ITEM 685.11

610mm (24") CROSSWALK LINES ITEM 685.11 (TYP.)

458mm (18") STOP BAR ITEM 685.11

102mm (4") WHITE SOLID EDGE LINE ITEM 685.11 (TYP.)

MATCH LINE STA. 3+503.805 SEE SSP-14

MATCH LINE STA. 3+673.795 SEE SSP-16

HB

1.0668m (3'-6")

3.3m (10'-10")

3.3m (10'-10")

3+520 3+540 3+560 3+580 3+600 3+620 3+640 3+660

517 MAIN ST.

*096715
METRO-NORTH COMMUTER RR CO.
49.9 AC

MILL STREET

RS-142(726) 157

R15-1(610) R15-3P(305) 158

R15-1(610) R15-3P(305) 159

160 D3-1(305)

102mm (4") WHITE SOLID EDGE LINE ITEM 685.11 (TYP.)

102mm (4") DOUBLE YELLOW FULL BARRIER CENTERLINE ITEM 685.12 (TYP.)

REPLACE EXISTING TRAFFIC SIGNAL SEE TSP-02 AND TST-02

102mm (4") WHITE SOLID EDGE LINE ITEM 685.11 (TYP.)

102mm (4") DOUBLE YELLOW FULL BARRIER CENTERLINE ITEM 685.12 (TYP.)

LEGEND

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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: SSP-15

PE DB | DE SM | PM DW

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 97 OF 105

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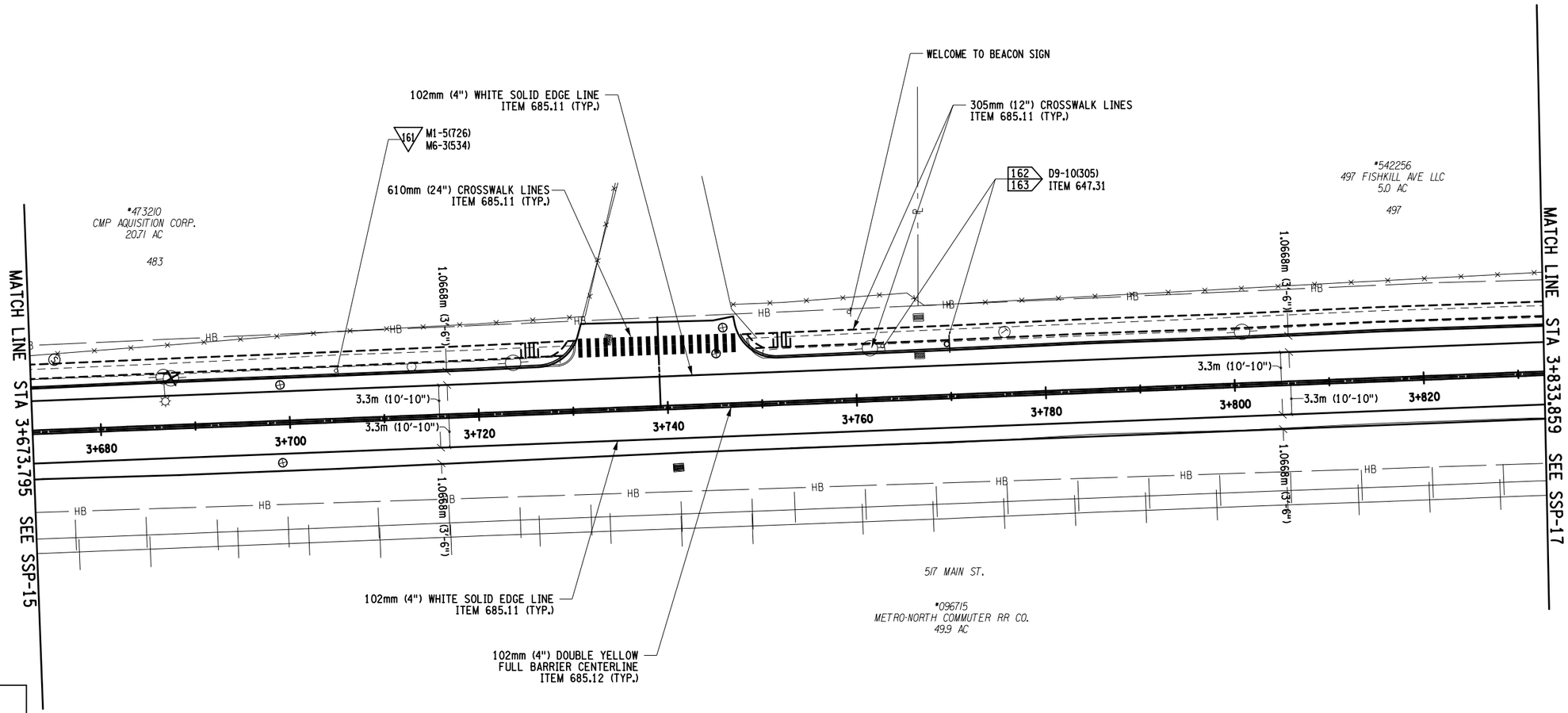
USER = DGN$USERNAME



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

5 0 5 10 15 m
SCALE

WSP

CITY OF BEACON

DATE: JANUARY 2023

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

NO: SSP-16

PE DB | DE SM | PM DW

SIGNING & STRIPING PLANS

SCALE: AS SHOWN

SHEET 98 OF 105

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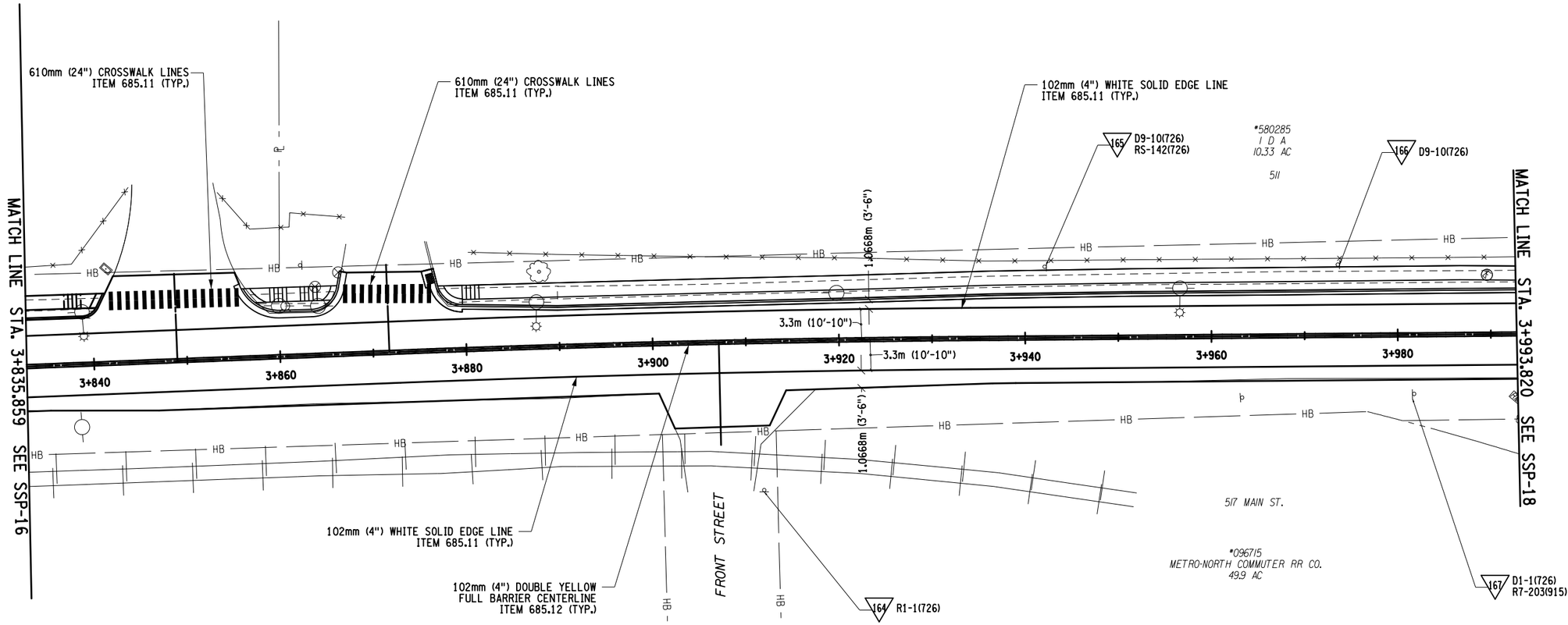


LEGEND	
SYMBOL	DESCRIPTION
GR MTD	GROUND MOUNTED
OH MTD	OVERHEAD MOUNTED
BR MTD	BRIDGE MOUNTED
PO MTD	POLE MOUNTED
B-B	BACK TO BACK
L / T	NEW SIGN LOCATION NUMBER TEXT NUMBER
L	SIGN REMOVAL
L / T	RELOCATE TO POSITION SHOWN
R	TO REMAIN

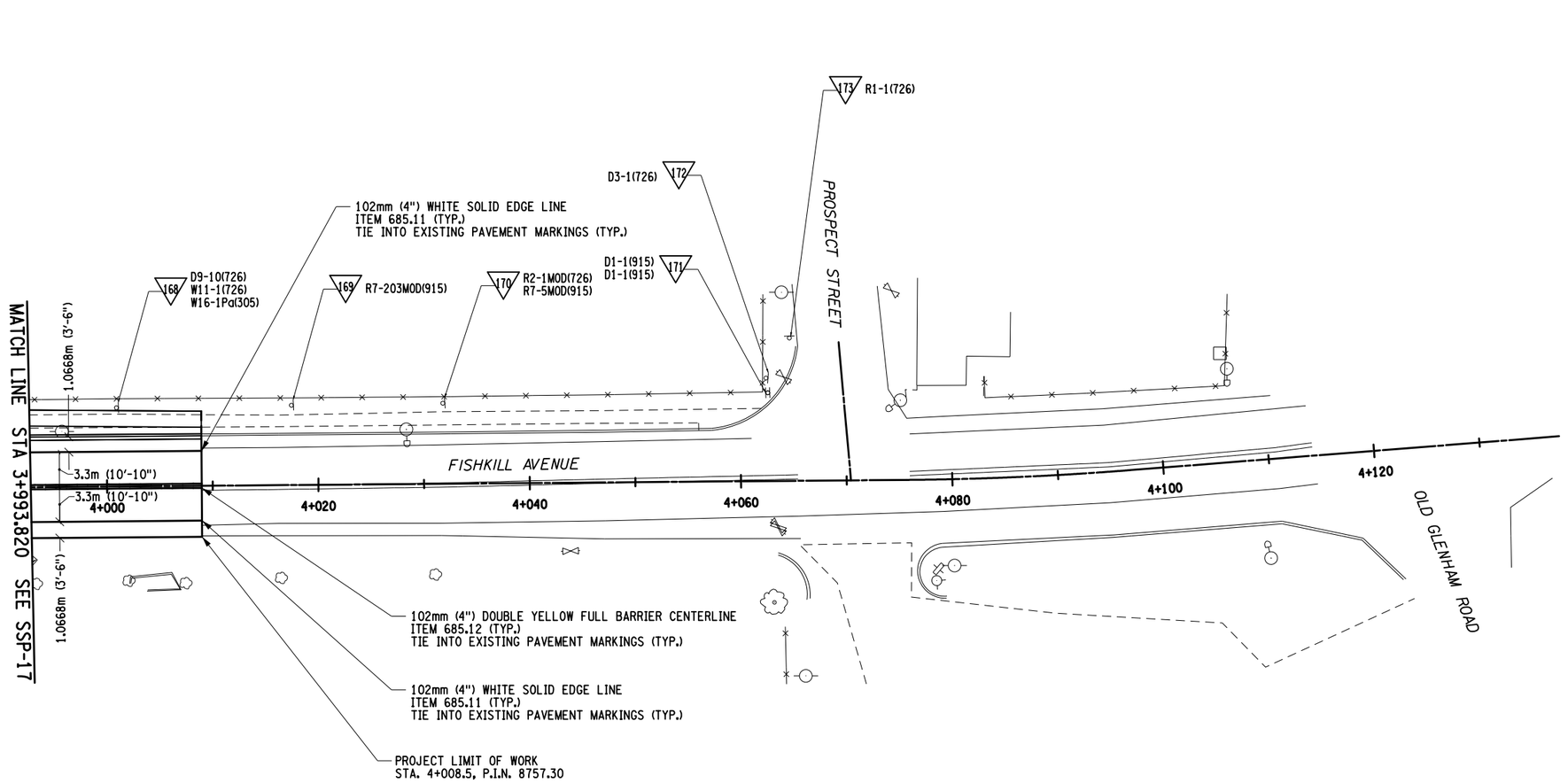
5 0 5 10 15 m
SCALE

FILE NAME = DGN$SPECD\12345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME$0123456
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: SSP-17	
PE DB	DE SM	PM DW	SIGNING & STRIPING PLANS	SCALE: AS SHOWN	SHEET 99 OF 105	



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

5 0 5 10 15 m
SCALE

wsp

CITY OF BEACON

DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: SSP-18
PE DB	DE SM	PM DW	SIGNING & STRIPING PLANS	SCALE: AS SHOWN	SHEET 100 OF 105

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME0123456
USER = DGN$USERNAME

DESIGNATION & COLOR (SEE NOTE 2)	LOCATION	TEXT	ITEM	SIZE	PAYMENT AREA (SEE NOTE 3)
				AREA (SEE NOTE 3)	TOTAL PAYMENT AREA
R1-1	3,29,58	1 STOP	645.5102	762mmX762mm (30"x30")	0.56 m^2 (6.25 SF)
	3			0.56 m^2 (6.25 SF)	1.68 m^2 (18.75 SF)
D3-1	3,12,17,29,72	2 TELLER AVE.	645.5101	762mmX305mm (30"x12")	0.23 m^2 (2.5 SF)
	5			0.23 m^2 (2.5 SF)	1.15 m^2 (12.5 SF)
D3-1	3	3 WOLCOTT AVE.	645.5101	762mmX305mm (30"x12")	0.23 m^2 (2.5 SF)
	1			0.23 m^2 (2.5 SF)	0.23 m^2 (2.5 SF)
R7-1	8,11,19,32,42,53, 55,57,65,67,76,179	4 NO PARKING ANY TIME ↔	645.5101	305mmX458mm (12"x18")	0.14 m^2 (1.5 SF)
	12			0.14 m^2 (1.5 SF)	1.68 m^2 (18 SF)
R7-1L	16,24,31,39,50	5 NO PARKING ANY TIME ←	645.5101	305mmX458mm (12"x18")	0.14 m^2 (1.5 SF)
	5			0.14 m^2 (1.5 SF)	0.70 m^2 (7.5 SF)
R7-1R	20,25,33,44,45,176	6 NO PARKING ANY TIME →	645.5101	305mmX458mm (12"x18")	0.14 m^2 (1.5 SF)
	6			0.14 m^2 (1.5 SF)	0.84 m^2 (9 SF)
D3-1	12	7 MILLER ST.	645.5101	762mmX305mm (30"x12")	0.23 m^2 (2.5 SF)
	1			0.23 m^2 (2.5 SF)	0.23 m^2 (2.5 SF)
D3-1	17	8 FOWLER ST.	645.5101	762mmX305mm (30"x12")	0.23 m^2 (2.5 SF)
	1			0.23 m^2 (2.5 SF)	0.23 m^2 (2.5 SF)
D3-1	29	9 VINE ST.	645.5101	762mmX305mm (30"x12")	0.23 m^2 (2.5 SF)
	1			0.23 m^2 (2.5 SF)	0.23 m^2 (2.5 SF)
D3-1	72	10 MAIN ST.	645.5101	762mmX305mm (30"x12")	0.23 m^2 (2.5 SF)
	1			0.23 m^2 (2.5 SF)	0.23 m^2 (2.5 SF)

SIGNING NOTES:

1. 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.

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$STIME01234567
USER = DGN$USERNAME

wsp

CITY OF BEACON

DATE: JANUARY 2023

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

NO: SDS-01

PE DB | DE SM | PM DW

SIGN DATA SHEET

SCALE: AS SHOWN

SHEET 101 OF 105

DESIGNATION & COLOR (SEE NOTE 2)	LOCATION		TEXT	ITEM	SIZE AREA (SEE NOTE 3)	PAYMENT AREA (SEE NOTE 3) TOTAL PAYMENT AREA
M1-5	106	1	21 NEWBURGH BEACON BRIDGE	645.5102	762mmX610mm (30"x24")	0.45 m^2 (5 SF)
					0.45 m^2 (5 SF)	0.45 m^2 (5 SF)
M6-3	106,133	2	22 ↑	645.5102	534mmX381mm (21"x15")	0.21 m^2 (2.19 SF)
					0.21 m^2 (2.19 SF)	0.42 m^2 (4.38 SF)
D3-1	112	1	23 FRANKLIN AVE.	645.5101	762mmX305mm (30"x12")	0.23 m^2 (2.5 SF)
					0.23 m^2 (2.5 SF)	0.23 m^2 (2.5 SF)
R6-1	113	1	24 ONE WAY	645.5102	915mmX305mm (36"x12")	0.27 m^2 (3 SF)
					0.27 m^2 (3 SF)	0.27 m^2 (3 SF)
M4-3	131	1	25 BUSINESS	645.5102	610mmX305mm (24"x12")	0.18 m^2 (2 SF)
					0.18 m^2 (2 SF)	0.18 m^2 (2 SF)
M1-5	131	1	26 52	645.5102	610mmX610mm (24"x24")	0.36 m^2 (4 SF)
					0.36 m^2 (4 SF)	0.36 m^2 (4 SF)
R14-1	133	1	27 TRUCK ROUTE	645.5102	610mmX458mm (24"x18")	0.27 m^2 (3 SF)
					0.27 m^2 (3 SF)	0.27 m^2 (3 SF)
D3-1	144	1	28 DALLIS PL.	645.5101	762mmX305mm (30"x12")	0.23 m^2 (2.5 SF)
					0.23 m^2 (2.5 SF)	0.23 m^2 (2.5 SF)
D3-1	147	1	29 CONKLIN ST.	645.5101	762mmX305mm (30"x12")	0.23 m^2 (2.5 SF)
					0.23 m^2 (2.5 SF)	0.23 m^2 (2.5 SF)
R7-108	149	1	30 2 HR PARKING ANY TIME →	645.5101	305mmX458mm (12"x18")	0.14 m^2 (1.5 SF)
					0.14 m^2 (1.5 SF)	0.14 m^2 (1.5 SF)

DESIGNATION & COLOR (SEE NOTE 2)	LOCATION		TEXT	ITEM	SIZE AREA (SEE NOTE 3)	PAYMENT AREA (SEE NOTE 3) TOTAL PAYMENT AREA
D3-1	156	1	31 STATE ST.	645.5101	762mmX305mm (30"x12")	0.23 m^2 (2.5 SF)
					0.23 m^2 (2.5 SF)	0.23 m^2 (2.5 SF)

SIGNING NOTES:

1. 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.

FILE NAME = DGN$SPEC012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME012345
USER = DGN$USERNAME

wsp

DATE: JANUARY 2023

PE DB | DE SM | PM DW

CITY OF BEACON

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

NO: SDS-01

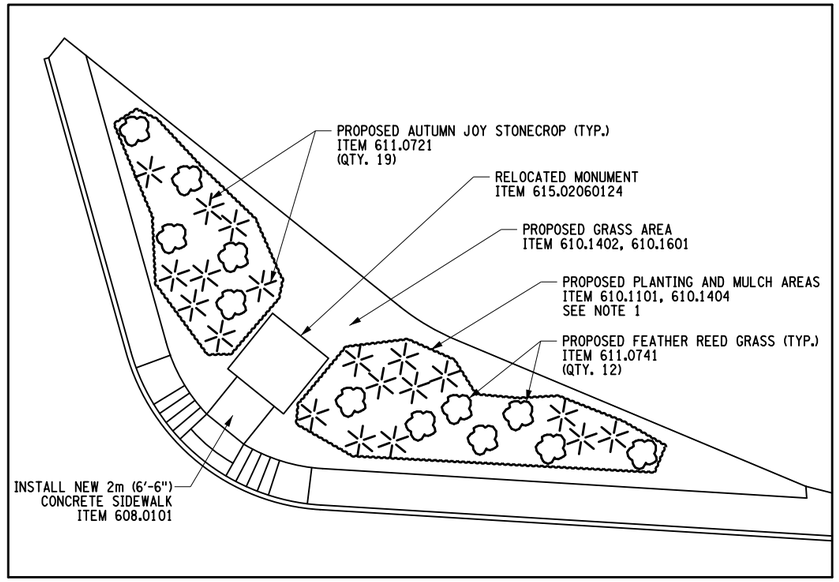
SIGN DATA SHEET

SCALE: AS SHOWN

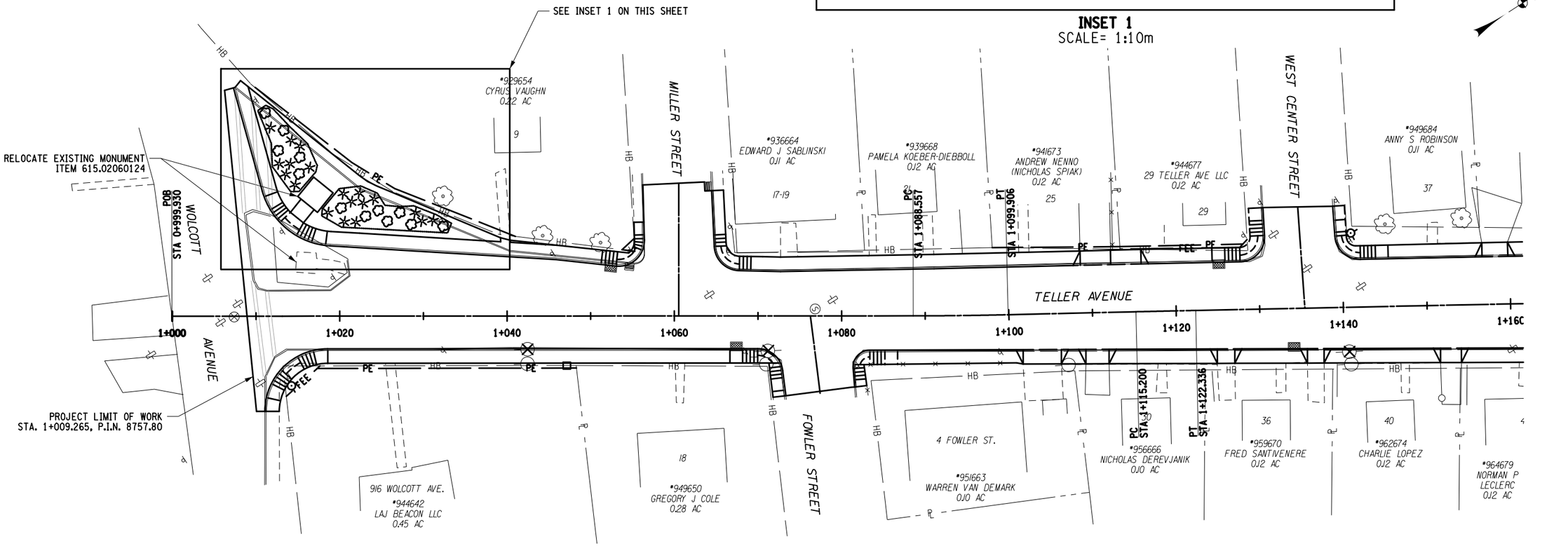
SHEET 102 OF 105

NOTES:

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



INSET 1
SCALE= 1:10m



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SCALE

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME01234567890123456
USER = DGN$USERNAME

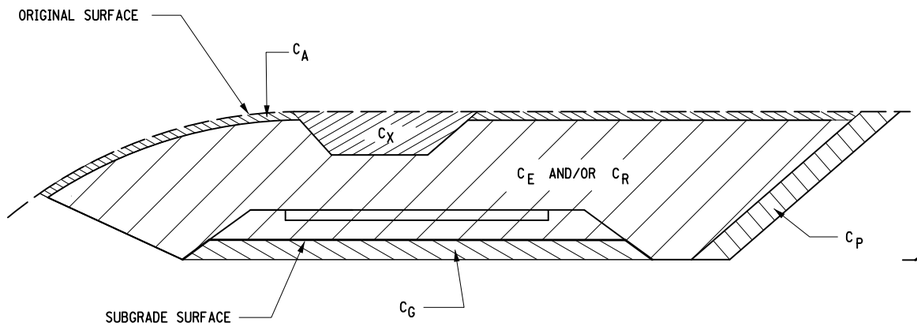
wsp				CITY OF BEACON	
DATE: JANUARY 2023			PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES		NO: LAP-01
PE DB	DE SM	PM DW	LANDSCAPING PLANS	SCALE: AS SHOWN	SHEET 103 OF 105

SUMMARY OF EARTHWORK (ITEMS 203.02 AND 203.03 ONLY - CM)

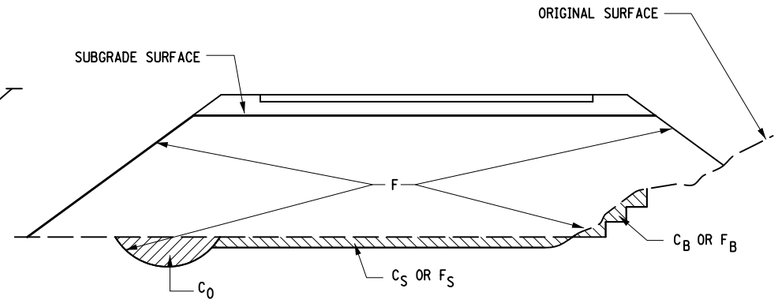
SOURCE	EXCAVATION			ITEM 203.02	ITEM 203.03
	T_E	C_R	T_U	C_T	F_T
SHARE 1 - MONUMENT RELOCATION / POCKET PARK	350 (457.8 CY)	0	350 (457.8 CY)	350 (457.8 CY)	180 (235.4 CY)
SHARE 1 - CURB & SIDEWALK REPLACEMENT	1280 (1674.2 CY)	0	1280 (1674.2 CY)	1280 (1674.2 CY)	0
SHARE 2 - CURB & SIDEWALK REPLACEMENT	5390 (7350 CY)	0	5390 (7350 CY)	5390 (7350 CY)	0
TOTALS	7020 (9181 CY)	-------	7020 (9181 CY)	7020 (9181 CY)	180 (235.4 CY)

SUMMARY OF TRENCH AND CULVERT EXCAVATION (ITEM 206.0201 ONLY- CM)

SOURCE	EXCAVATION		ITEM 206.0201
	ROCK	NON-ROCK	
SHARE 1 (MH, CB, PIPE)	0	2620 (3427 CY)	2620 (3427 CY)
SHARE 2 (MH, CB, PIPE)	0	1410 (1844.3 CY)	1410 (1844.3 CY)
TOTALS	0	4030 (5271.2 CY)	4030 (5271.2 CY)



CUT SECTION



FILL SECTION

DEFINITIONS:

C_B - EXCAVATION FOR REQUIRED BENCHING, (BOTH LONGITUDINAL AND TRANSVERSE).

C_G - EXCAVATION FOR SUBGRADE IMPROVEMENT.

C_P - EXCAVATION FROM CUT SLOPE NECESSARY TO PLACE SLOPE PROTECTION.

C_E - PORTION OF CUT ASSUMED TO BE EARTH SUITABLE FOR EMBANKMENT CONSTRUCTION, EXCLUDING C_G AND C_P.

T_E - $(C_B + C_G + C_P + C_E)$ TOTAL EARTH EXCAVATION ASSUMED SUITABLE FOR EMBANKMENT CONSTRUCTION.

C_A - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) IN CUT.

C_S - EXCAVATION OF TOPSOIL (UNSUITABLE MATERIAL) UNDER EMBANKMENT.

C_X - EXCAVATION OF UNSUITABLE MATERIAL IN CUT: SWAMP OR DUMP

C_O - EXCAVATION OF UNSUITABLE MATERIAL BENEATH EMBANKMENT: SWAMP OR DUMP

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

C_R - PORTION OF CUT ASSUMED TO BE ROCK, INCLUDING C_G IF APPLICABLE.

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

DEFINITIONS:

F_B - FILL REQUIRED TO REPLACE BENCHES.

F_S - FILL REQUIRED TO REPLACE TOPSOIL REMOVED BENEATH EMBANKMENTS.

F - FILL REQUIRED TO COMPLETE EMBANKMENT TO SUBGRADE SURFACE AND SIDE-SLOPES AFTER FOUNDATION IS PREPARED.

F_T - $(F_B + F_S + F)$ TOTAL FILL REQUIRED.

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

F_E - SHRINKAGE FACTOR FOR EARTH

F_R - SWELL FACTOR FOR ROCK

NOTES:

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

203.02 UNCLASSIFIED EXCAVATION AND DISPOSAL

203.03 EMBANKMENT IN PLACE

206.0201 TRENCH AND CULVERT EXCAVATION

FILE NAME = DGN$SPEC01234567890123456789012345678901234
DATE/TIME = DGN$SYSTIME01234
USER = DGN$USERNAME

wsp		CITY OF BEACON	
DATE: JANUARY 2023		PROJECT: PIN 8757.80 & PIN 8757.30 REHABILITATION OF TELLER & FISHKILL AVENUES	NO: ES-01
PE DB	DE SM PM DW	EARTHWORK SUMMARY SHEET	SCALE: AS SHOWN
			SHEET 104 OF 105

SUBDIVISION NO.	LOCATION (STATION TO STATION)	SUITABLE EXCAVATION					ROCK	UNSUITABLE EXCAVATION					TOTAL EXCAVATION	EMBANKMENT			
		C_B	C_G	C_P	C_E	T_E	C_R	C_A	C_S	C_X	C_O	T_U	C_T	F_B	F_S	F	F_T
1	SHARE 1 - MONUMENT RELOCATION / POCKET PARK	0	0	0	0	0	0	0	0	0	0	350 (457.8 CY)	350 (457.8 CY)	0	0	180 (235.4 CY)	180 (235.4 CY)
2	SHARE 1 - CURB & SIDEWALK REPLACEMENT	0	0	0	0	0	0	0	0	0	0	1280 (1674.2 CY)	1280 (1674.2 CY)	0	0	0	0
3	SHARE 2 - CURB & SIDEWALK REPLACEMENT	0	0	0	0	0	0	0	0	0	0	5390 (7050 CY)	5390 (7050 CY)	0	0	0	0
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	TOTALS	0	0	0	0	0	0	0	0	0	0	7020 (9181 CY)	7020 (9181 CY)	0	0	180 (235.4 CY)	180 (235.4 CY)

FOR DEFINITIONS AND NOTES SEE DWG. ES-01

FILE NAME = DGN$SPEC0123456789012345678901234567890123456789012345678901234
DATE/TIME = DGN$SYTIME0123456
USER = DGN$USERNAME

CITY OF BEACON

DATE: JANUARY 2023

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

NO: ES-02

PE DB
DE SM
PM DW

EARTHWORK SUMMARY SHEET

SCALE: AS SHOWN

SHEET 105 OF 105