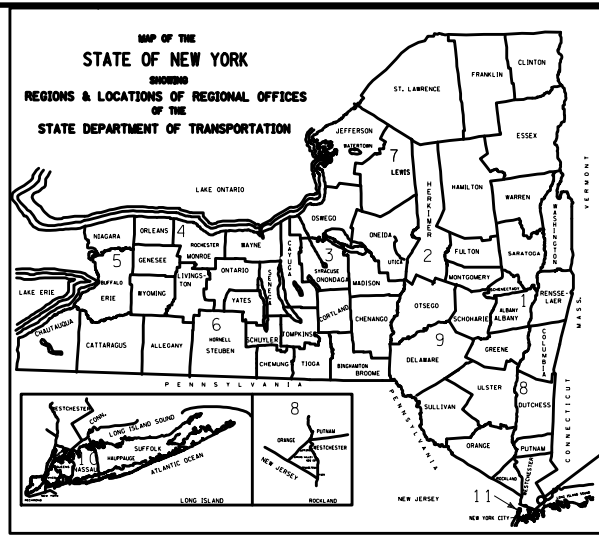


PROJECT MANAGER: NCS  
 JH  
 CHECK: EG  
 DRAFTING: MM  
 CHECK: FD  
 DESIGN: NCS  
 JOB MANAGER: DW  
 DESIGN SUPERVISOR:



WORK SITE

# FINAL PLANS

## JANUARY 2022

### FEDERAL AID PROJECT

REPLACEMENT OF THE THEODORE FREMONT AVENUE  
 RETAINING WALL ALONG THE BLIND BROOK  
 CITY OF RYE  
 WESTCHESTER COUNTY, NEW YORK

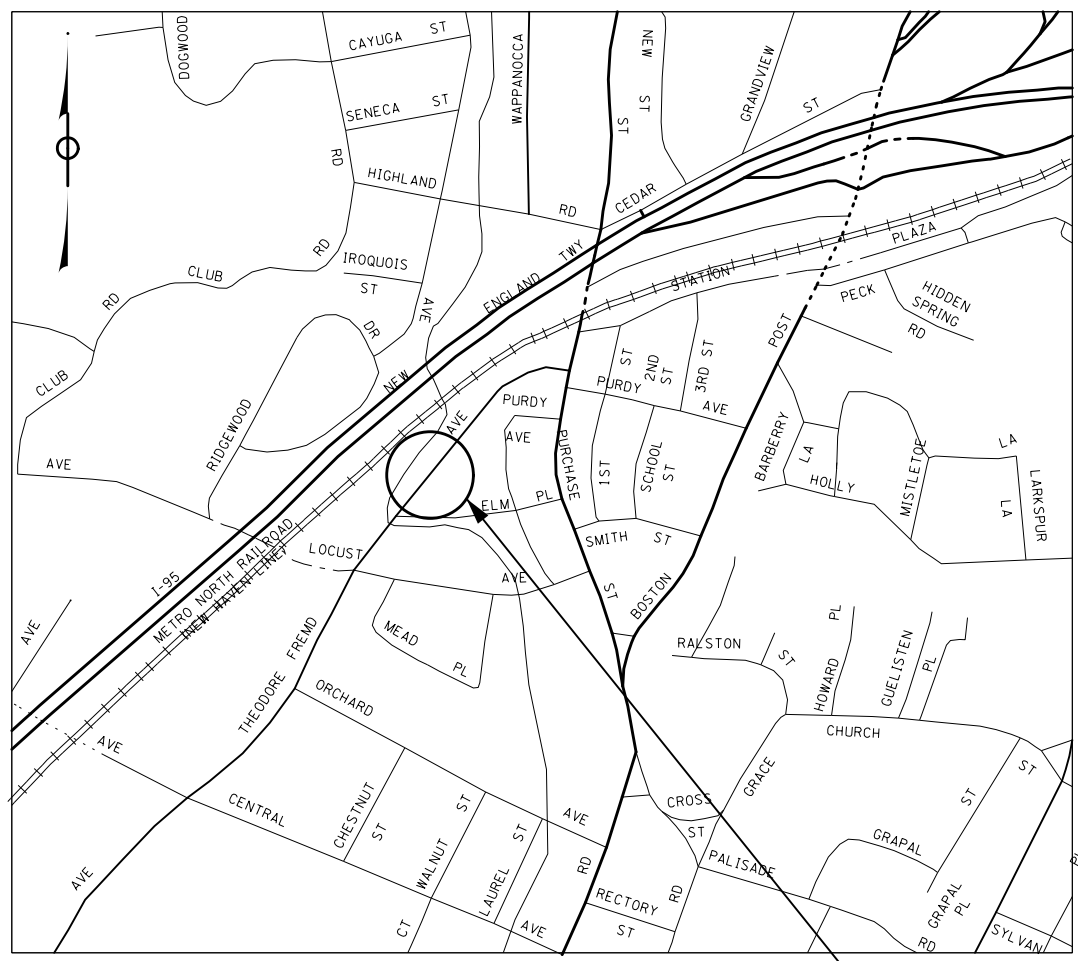
THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING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

**NYS DOT STANDARD SHEETS:**

203-04	619-12
209-03	645-01
402-01	655-01
604-02	655-07
606-04	680-10
608-01	685-01
609-01	
609-02	
609-03	
619-01	
619-02	
619-04	
619-10	
619-11	

CONTRACTOR'S NAME \_\_\_\_\_  
 AWARD DATE \_\_\_\_\_  
 COMPLETION DATE \_\_\_\_\_  
 FINAL ACCEPTANCE DATE \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_ CITY OF RYE  
 DESIGNED BY: \_\_\_\_\_ PROJECT MANAGER, WSP



**LOCATION MAP**

THEODORE FREMONT RETAINING WALL

LIST OF DRAWINGS		
SHEET NO.	DWG. NO.	TITLE
1	CVR	TITLE SHEET AND INDEX OF DRAWINGS
2	EOQ	ESTIMATE OF QUANTITIES AND LEGEND
3	GNN-1	GENERAL NOTES 1
4	GNN-2	GENERAL NOTES 2
5	BOR-1	BORING LOCATION PLAN
6	BOR-2	BORING LOGS
7	BLT	BASELINE TIES AND CURVE DATA
8	WZTC	WZTC PLAN
9	TYP	TYPICAL SECTIONS
10	GNP	GENERAL PLAN
11	EXT	EXISTING AND REMOVALS PLAN
12	WAL-1	SOLDIER PILE WALL PLAN AND ELEVATION
13	WAL-2	SOLDIER PILE SCHEDULE
14	WAL-3	SOLDIER PILE WALL DETAILS
15	WAL-4	M.S.E.S. WALL DETAILS
16	RAL-1	RAILING AND MOMENT SLAB DETAILS
17	RAL-2	TRANSITION AND GUIDE RAIL DETAILS
18	RAL-3	TRANSITION AND GUIDE RAIL DETAILS
19	RAL-4	TRANSITION AND GUIDE RAIL DETAILS
20	BAR	BAR LIST AND BAR BENDING DIAGRAM
21	SSP	SIGNING AND STRIPING PLAN
22	GRP	GRADING PLAN
23	UTL	UTILITY PLAN

AFFIX SEAL: ON:

ALTERED BY: ON: \_\_\_\_\_

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMONT AVENUE RETAINING WALL ALONG THE BLIND BROOK CITY OF RYE, WESTCHESTER COUNTY, NY	PIN 8701.43	BRIDGES CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED <div style="text-align: center; font-weight: bold;">           TITLE SHEET AND INDEX            OF DRAWINGS         </div>	CONTRACT NUMBER DRAWING NO. CVR SHEET NO. 1
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



FILE NAME =  
 DATE/TIME = DATE: 1/26/2022 12:59:44 PM  
 USER = PLOTTED BY: USNS04286

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
201.06	CLEARING AND GRUBBING	LS	1
203.02	UNCLASSIFIED EXCAVATION	CY	623
203.03	EMBANKMENT IN PLACE	CY	180
206.01	STRUCTURE EXCAVATION	CY	350
206.05	TEST PIT EXCAVATION	EA	5
207.22	GEOTEXTILE DRAINAGE	SY	150
304.1100008	SUBBASE COURSE (MODIFIED)	CY	242
402.098104	9.5 F1 TOP COURSE HMA, 80 SERIES COMPACTION	TON	114
402.198104	19 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	TON	190
402.378104	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION	TON	10
407.0103	STRAIGHT TACK COAT	GAL	134
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY	537
520.09000010	SAWCUTTING ASPHALT CONCRETE	LF	320
552.2001	HOLES IN EARTH FOR SOLDIER PILE AND LAGGING WALL	LF	630
552.2002	HOLES IN EARTH FOR SOLDIER PILE AND LAGGING WALL	LF	242
552.2101	ROCK SOCKETS FOR SOLDIER PILE AND LAGGING WALL	LF	260
552.2102	ROCK SOCKETS FOR SOLDIER PILE AND LAGGING WALL	LF	110
552.2201	SOLDIER PILES FOR SOLDIER PILE AND LAGGING WALL	LF	890
552.2202	SOLDIER PILES FOR SOLDIER PILE AND LAGGING WALL	LF	352
552.230201	UNTREATED WOOD LAGGING FOR SOLDIER PILE AND LAGGING WALL	SF	1304
552.230202	UNTREATED WOOD LAGGING FOR SOLDIER PILE AND LAGGING WALL	SF	700
552.230301	PRECAST CONCRETE PANEL LAGGING FOR SOLDIER PILE AND LAGGING WALL	SF	1304
553.020001	COFFERDAM (TYPE 2)	EA	1
554.41	FILL TYPE RETAINING WALL (6'-12')	SF	230
554.42	FILL TYPE RETAINING WALL (12'-18')	SF	280
555.09	CONCRETE FOR STRUCTURES, CLASS HP	CY	70
556.0202	EPOXY COATED BAR REINFORCEMENT FOR STRUCTURES	LB	6942
564.20010008	HOT-DIP GALVANIZING OF STRUCTURAL STEEL	LB	133310
564.510001	STRUCTURAL STEEL	LB	80
568.51	STEEL BRIDGE RAILING (FOUR-RAIL)	LF	115
568.70	TRANSITION BRIDGE RAILING	LF	54
586.0301	DRILLING AND GROUTING BOLTS OR REINFORCING BARS WITH PULLOUT TESTS	EA	15
603.6002	REINFORCED CONCRETE PIPE CLASS III, 15 INCH DIAMETER	LF	15
604.302192	RECTANGULAR DRAINAGE STRUCTURE TYPE U FOR PARALLEL BAR #12 PCB FRAME	LF	4
604.070801	ALTERING DRAINAGE STRUCTURES, LEACHING BASINS, AND MANHOLES	EA	2
606.1001	BOX BEAM GUIDE RAILING WITH EXTRA LONG POSTS	LF	37
606.120101	BOX BEAM END PIECE	EA	2
606.51	RESETTING CORRUGATED BEAM GUIDERAIL	LF	24
606.73	REMOVING AND DISPOSING BOX BEAM GUIDE RAILING	LF	120
608.01050109	CURB RAMPS TYPE 1	EA	1
608.01050209	CURB RAMPS TYPE 2	EA	1
608.21	EMBEDDED DETECTABLE WARNING UNITS	SY	4
608.01	STONE CURB (AS DETAILED)	LF	127
614.060202	TREE REMOVAL OVER 6 INCHES TO 12 INCHES DIAMETER BREAST HEIGHT - STUMPS CUT FLUSH	EA	1
614.060402	TREE REMOVAL OVER 18 INCHES TO 24 INCHES DIAMETER BREASTHEIGHT - STUMPS CUT FLUSH	EA	2
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	1
619.080102	REMOVE EXISTING PAVEMENT MARKING STRIPES, EPOXY PAINT	LF	2025
619.100102	INTERIM PAVEMENT MARKING STRIPES, EPOXY PAINT	LF	1674
619.1712	TEMPORARY POSITIVE BARRIER - CATEGORY 2 (PINNING PERMITTED)	LF	250
619.1719	WARNING LIGHTS ON TEMPORARY POSITIVE BARRIERS	EA	250
620.04	STONE FILLING (MEDIUM)	CY	33
620.0801	BEDDING MATERIAL, TYPE 1	CY	11
623.12	CRUSHED STONE (IN-PLACE MEASURE)	CY	31
625.01	SURVEY OPERATIONS	LS	1
634.99020017	VIBRATION MONITORING (NON-BLASTING)	LS	1
637.11	ENGINEER'S FIELD OFFICE - TYPE 1	MNTH	8
637.34	OFFICE TECHNOLOGY AND SUPPLIES	DC	2500
645.5101	GROUND MOUNTED SIGN PANELS WITHOUT Z-BARS	SF	3
645.5201	GROUND MOUNTED SIGN PANELS WITHOUT Z-BARS, HIGH VISIBILITY SHEETING	SF	6
645.5202	GROUND MOUNTED SIGN PANELS LESS THAN OR EQUAL TO 30 SF WITH Z-BARS, HIGH VISIBILITY SHEETING	SF	18.75
645.81	TYPE A SIGN POST	EA	4
655.05010008	STANDARD SANITARY MANHOLE FRAMES AND COVERS (CASTINGS)	EA	1
655.0901	PARALLEL BAR FRAME 12 PCB & PARALLEL BAR GRATE 10 PCB	EA	1
655.0903	PARALLEL BAR FRAME 12 PCB & PARALLEL BAR GRATE 12 PCB	EA	1
660.65000101	ALTERING UTILITY MANHOLES AND VAULTS	EA	1
662.60020008	ADJUST VALVE BOXES FOR RESURFACING WORK (GAS)	EA	8
663.33	ADJUST EXISTING VALVE BOX ELEVATION	EA	2
680.82200004	SOLAR POWERED FLASHING BEACON ASSEMBLY	EA	2
685.01	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 15 MILS	LF	1190
685.02	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES-15 MILS	LF	1193

**ABBREVIATIONS**

**ALIGNMENT**

R	BASELINE
C	CENTERLINE
DIA.	DIAMETER
R	RADIUS
STA.	STATION

**UTILITIES**

CTV	CABLE TELEVISION
OCTV	OVERHEAD CABLE TELEVISION
E	ELECTRIC
G	GAS
HYD.	HYDRANT
L.P.	LIGHT POLE
SA	SANITARY
T	TELEPHONE
U.P.	UTILITY POLE
W	WATER

**DRAINAGE**

C STRM.	CENTERLINE OF STREAM
ELEV.	ELEVATION
E.S.	END SECTION
H.W.	HEADWALL
INV.	INVERT
MH	MANHOLE
RCP	REINFORCED CONCRETE PIPE
UD	UNDERDRAIN

**MISCELLANEOUS**

B.C.	BOTTOM OF CURB
B.M.	BENCH MARK
C.C.	CENTER TO CENTER
COV.	COVER
C.R.	COUNTY ROAD
C.W.	CROSS WALK
E.O.P.	EDGE OF PAVEMENT
E.O.T.	EDGE OF TRAVEL WAY
PL.	PARKING LOT
PVT.	PAVEMENT
R	PROPERTY LINE
R.R.	RAILROAD
R.O.W.	RIGHT OF WAY
S.W.	SIDEWALK
ST.	STREET
DWG.	DRAWING
NO.	NUMBER
T.C.	TOP OF CURB
TYP.	TYPICAL
M.S.E.S.	MECHANICALLY STABILIZED EARTH SYSTEM

**LEGEND - LINE**

	PROPERTY LINE
	HIGHWAY BOUNDARY
	METAL/CHAIN LINK FENCE
	SEWER LINE
	DRAIN LINE
	WATER LINE
	GAS LINE
	OVERHEAD ELECTRIC
	OVERHEAD WIRES
	INTERMEDIATE CONTOURS
	INDEX CONTOURS

**LEGEND - SYMBOL**

	SIGN (SINGLE POSTED)
	SIGN (DOUBLE POSTED)
	DISK
	IRON PIPE FOUND
	IRON ROD FOUND
	POST
	UNKNOWN MANHOLE
	CATCH BASIN
	DOUBLE CATCH BASIN
	CULVERT
	DRAIN MANHOLE
	SEWER MANHOLE
	ELECTRIC MANHOLE
	GAS METER
	GAS MANHOLE
	GAS VALVE
	WATER MANHOLE
	WATER VALVE
	UTILITY POLE
	DECIDUOUS TREE
	CONIFER TREE
	SHRUB
	FIRE HYDRANT
	PARKING METER
	BORING LOCATION

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER	
	ALONG THE BLIND BROOK				ESTIMATE OF QUANTITIES AND LEGEND	DRAWING NO. EQ	
						SHEET NO. 2	
CITY OF RYE, WESTCHESTER COUNTY, NY						IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	

**GENERAL NOTES:**

- 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.
- CONSTRUCTION AND MATERIALS SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING.
- DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.
- ALL SHOP DRAWINGS SUBMITTED FOR THIS PROJECT SHALL BE IN US CUSTOMARY UNITS AND BASED ON FIELD MEASUREMENTS.
- 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.
- 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 OPERATIONS.
- 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, MATERIALS AND EQUIPMENT COSTS NECESSARY TO COMPLETE THE WORK.
- 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 COUNTY 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.
- 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.
- ANY LANDSCAPE AREA DAMAGED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR, AS ORDERED BY THE ENGINEER, AT THE EXPENSE OF THE CONTRACTOR.
- 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.
- 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.

**CLEARING AND GRUBBING AND TREE REMOVAL NOTES:**

- ITEM 201.06 - CLEARING AND GRUBBING SHALL INCLUDE THE REMOVAL OR TRIMMING OF ANY TREES/BRUSH/SHRUBS/HEDGES AND STUMPS WITHIN THE CUT/FILL LIMITS AS SHOWN IN THE PLANS AND/OR AS ORDERED BY THE ENGINEER.
- 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.

**SAW CUTTING NOTES:**

- NO PAYMENT WILL BE PAID UNDER THE SAWCUT ITEMS, IF THE PAYMENT FOR SAWCUT IS INCLUDED IN OTHER ITEMS.

**SURVEY OPERATIONS NOTES:**

- THE CONTRACTOR SHALL PROVIDE SURVEY AND STAKEOUT AS REQUIRED AND IN ACCORDANCE WITH SECTION 625 OF THE STANDARD SPECIFICATIONS. COST FOR THIS WORK SHALL BE INCLUDED UNDER ITEM 625.01, SURVEY OPERATIONS.
- THE CONTRACTOR SHALL SURVEY AND STAKEOUT THE EXISTING HIGHWAY BOUNDARIES, PROPERTY LINES, AND R.O.W. TAKING LINES WITHIN THE PROJECT LIMITS DURING THE INITIAL STAGES OF THE PROJECT. THESE STAKED OUT LINES WILL BE MAINTAINED FOR THE DURATION OF THE PROJECT. THERE WILL BE NO EXTRA PAYMENT MADE TO RESURVEY OR TO RESTAKE.

**RIGHT-OF-WAY NOTES:**

- 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.
- 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 MAPPING BEFORE ANY WORK MAY BE INITIATED AT THOSE LOCATIONS (STANDARD SPECIFICATIONS SECTIONS 105-10 AND 625).
- 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 CITY 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).
- 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).
- INSTALL TEMPORARY CONSTRUCTION FENCE AT R.O.W. BOUNDARY LIMITS - I.E. EASEMENTS, FEE ACQUISITIONS, ETC. COST TO BE INCLUDED UNDER ITEM 625.01.

**CONCRETE NOTES:**

- ALL REINFORCEMENT BARS SHALL BE GRADE 60. ALLOWABLE TENSILE STRESS OF REINFORCEMENT  $F_s = 24$  KSI. YIELD STRENGTH OF REINFORCEMENT  $F_y = 60$  KSI. REINFORCEMENT BARS SHALL BE EPOXY COATED UNLESS NOTED OTHERWISE.
- ALL CONCRETE SHALL ATTAIN MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. SEE "STIPULATION FOR MEETING CONCRETE COMPRESSIVE STRENGTH" IN THE CONTRACT DOCUMENTS.
- ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1 INCH UNLESS OTHERWISE NOTED ON THE PLANS.

**UTILITY NOTES:**

- 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 HAVE BEEN SHOWN ON THE PLANS.
- 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.
- 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).
- 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 SECTIONS 660 THROUGH 680 OF THE STANDARD SPECIFICATIONS, NOR DOES IT RELIEVE THE UTILITY OWNERS OF THEIR OBLIGATION TO ACCURATELY LOCATE THEIR FACILITIES.
- 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.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH ALL KNOWN PUBLIC AND PRIVATE UTILITY COMPANIES OCCUPYING THE WORK SITE AND THE ENGINEER. THE CONTRACTOR SHALL, AT THIS MEETING, INFORM THE UTILITY COMPANIES OF HIS SCHEDULE OF OPERATIONS AND SO COORDINATE HIS WORK WITH THESE COMPANIES.
- 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.
- 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.

**CON EDISON NOTES:**

- PRIOR TO STARTING CON EDISON WILL MARK OUT THE MAIN LOCATION. IF THE MAIN CANNOT BE LOCATED BY TONING THEN THE MAIN MUST BE HAND DUG AND EXPOSED NEAR THE TOP OF THE MAIN AND THEN CON EDISON WILL ATTACH A SIGNAL LINE AND LOCATE THE REST OF THE MAIN ACCURATELY. TEST PIT DATA COLLECTION IS TO BE PAID FOR UNDER ITEM 206.05.
- ALL DEBRIS, ESPECIALLY ROCK MUST BE REMOVED FROM OVER THE MAIN. BY HAND OPERATION NO MECHANIZED EQUIPMENT.
- WHEN WORK IS COMPLETED (NEW WALL IS INSTALLED) CON EDISON'S GAS MAIN SHALL BE UNCOVERED, SAND SHALL BE INSTALLED AT LEAST ONE FOOT OVER THE MAIN AND THEN STEEL PLATES, SUPPLIED BY CON EDISON SHALL BE INSTALLED OVER THE GAS MAIN FOR PROTECTION. THEN CLEAN FILL SHALL BE USED TO FILL THE REMAINDER OF THE EXCAVATION.
- CON EDISON SHALL INSTALL A WELDED SLEEVE AT THE POINT THE GAS MAIN CROSSES THROUGH THE NEW WALL PRIOR TO THE WALL BEING INSTALLED AT THAT LOCATION.
- A STEEL PROTECTION PLATE SHALL BE PLACED ON THE CREEK BED AT THE LOCATION THE GAS MAIN CROSSES UNDERNEATH THE CREEK PRIOR TO ANY EXCAVATION OR DEBRIS REMOVAL.
- THE CONTRACTOR NEW YORK STATE CODE 753 SHALL COMPLY TO NEW YORK STATE CODE 753 DURING THIS WORK.

**PRECAST CONCRETE NOTES:**

- ALL CONCRETE SHALL ATTAIN MINIMUM COMPRESSIVE STRENGTH OF 5.0 KSI AT 28 DAYS. CONCRETE STRENGTH AT RELEASE SHALL BE A MINIMUM OF 3.0 KSI.
- SHOP DRAWINGS FOR THE UNITS SHALL CONFORM TO NYSPPCM AND CONTAIN, AS A MINIMUM, THE FOLLOWING:  
  
A. PLAN LAYOUT, INCLUDING LENGTH, WIDTH, SKEW ANGLE AND ORIENTATION  
B. CONCRETE MIX DESIGN INCLUDING ADMIXTURES  
C. CONCRETE SURFACE FINISH  
D. FABRICATION AND CURING PROCEDURES  
E. LIFTING AND TRANSPORTATION DETAILS  
F. CROSS SECTIONS SHOWING STRUCTURAL DEPTHS AND REINFORCEMENT  
G. FASTENER AND CONCRETE INSERT TYPE, STRENGTHS AND LOCATION OF USE  
H. REINFORCEMENT SCHEDULE  
I. TOLERANCES
- ALL REINFORCEMENT SHALL BE EPOXY COATED AND CONFORM TO THE REQUIREMENTS OF ITEM 556.0202 AND 556.0102, HOWEVER, PAYMENT SHALL BE INCLUDED IN THE PRECAST CONCRETE LAGGING ITEM.

**PAVING NOTES:**

- 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 4 IN OVER 10 FT 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 THE ASPHALT REMOVAL ITEM.
- 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). CONTRACTORS ATTENTION IS DIRECTED TO SUBSECTION 402-3.06 OF THE STANDARD SPECIFICATIONS.
- 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. SAWCUTS WILL BE PAID FOR UNDER ITEM 520.09000010 - SAWCUTTING ASPHALT CONCRETE.
- CONTRACTORS 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 PAYER, OR PAYER 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 CITY. 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.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK					
	CITY OF RYE, WESTCHESTER COUNTY, NY					
<b>GENERAL NOTES - 1</b>						
						DRAWING NO. <b>GNN-1</b>
						SHEET NO. <b>3</b>
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						

**MAINTENANCE & PROTECTION OF TRAFFIC NOTES:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF TRAFFIC. MAINTENANCE OF TRAFFIC SCHEMES SHALL BE IN ACCORDANCE WITH THE PLANS, THE MUTCD AND AS APPROVED OR DIRECTED BY THE ENGINEER. TRAFFIC SCHEMES SHOWN ON THE PLANS OR IN THE MUTCD 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.
2. THE CONTRACTOR MAY SUBMIT REVISIONS TO THIS PLAN AT NO COST TO THE CITY FOR APPROVAL.
3. 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.
4. THE CONTRACTOR MUST NOTIFY THE ENGINEER, THE CITY OF RYE DEPARTMENT OF PUBLIC WORKS, THE CITY OF RYE POLICE, THE CITY OF RYE FIRE DEPARTMENT AND EMERGENCY SERVICES, 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 72 HOURS IN ADVANCE OF THEIR IMPLEMENTATION. IN ADDITION, THE CONTRACTOR SHALL ENSURE THAT HYDRANTS AND ALARM BOXES ARE KEPT CLEAR AND AVAILABLE.
5. 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.
6. UNLESS OTHERWISE INDICATED, ALL WORK ZONE SIGNS USED ON THEODORE FREMD AVENUE SHALL BE THE LARGEST SIZE AVAILABLE IN ACCORDANCE WITH THE MUTCD.
7. 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.
8. 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.
9. 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.

**COFFERDAM NOTES:**

1. THE CONTRACTOR SHALL INSTALL WATERTIGHT COFFERDAMS TO THE LIMITS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL NOT PLACE ANY FILL WATERWARD OF THE DEPICTED COFFERDAM LINES. CONSTRUCTION OPERATIONS RELATED TO INSTALLATION AND REMOVAL OF COFFERDAMS SHALL NOT BE PERFORMED BETWEEN MARCH 1 AND JUNE 30.
2. COFFERDAMS DEPICTED ARE CONCEPTUAL ONLY.
3. COFFERDAMS SHALL BE DESIGNED BY AN ENGINEER LICENSED AND REGISTERED IN THE STATE OF NEW YORK. COMPUTATIONS AND SKETCHES FOR EACH COFFERDAM WILL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. ANY AND ALL MATERIALS USED FOR CONSTRUCTION OF THE COFFERDAM SHALL BE APPROVED BY THE ENGINEER.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A SAFE AND DRY EXCAVATION FOR THE SUBSTRUCTURE PLACEMENT/REMOVAL OPERATIONS. THE COST OF ANY BRACING, CONNECTIONS, MATERIALS, DEWATERING, AND OTHER EQUIPMENT NECESSARY TO CREATE AND MAINTAIN THESE CONDITIONS, WHETHER ORIGINALLY ANTICIPATED OR NECESSITATED BY FIELD CONDITIONS ENCOUNTERED SHALL BE INCLUDED IN THE PRICE BID FOR THE COFFERDAM ITEM. EXTRAPAYMENT WILL ONLY BE CONSIDERED IF THE CONTRACTOR IS REQUIRED TO LOWER THE FOUNDATION IN EXCESS OF THREE (3) FEET BELOW THE ELEVATIONS SHOWN ON THE PLANS, IN ACCORDANCE WITH THE PROVISIONS OF 552-5.04.
5. SHOULD THE CONTRACTOR ELECT TO LAY BACK A PORTION OF THE EXISTING EARTH ADJACENT TO AN EXCAVATION REQUIRING A COFFERDAM, ANY REQUIRED EXTENSIONS OF THE COFFERDAM NECESSARY TO KEEP WATER FROM ENTERING THE EXCAVATION SHALL BE FURNISHED AND PLACED AT NO COST TO THE CITY.
6. WHERE A COFFERDAM IS USED, THE COST OF DEWATERING THE ENTIRE EXCAVATION, REGARDLESS OF THE SOURCE OF WATER, SHALL BE INCLUDED IN THE UNIT PRICE BIDS FOR THE COFFERDAM ITEMS. LOCATIONS REQUIRING DEWATERING MUST BE DEWATERED BY USING COFFERDAMS AND A PUMP AROUND FLUME. WATER SHALL BE DISCHARGED TO FILTER BAGS.

**CURB AND SIDEWALK NOTES:**

1. ALL PROPOSED CURB RAMPS, CROSSWALKS AND OTHER PEDESTRIAN FACILITIES IN THIS CONTRACT SHALL BE CONSTRUCTED AS SHOWN ON THE DRAWINGS AND NYS DOT STANDARD SHEET 608-01.
2. THE DESIGN OF THE CURB RAMPS WAS DONE USING ESTIMATED TOPOGRAPHIC INFORMATION, HORIZONTAL DIMENSIONS SHOWN ON THE DETAILS ARE APPROXIMATE, AND ARE FOR ESTIMATING PURPOSES ONLY. THE PERCENT SLOPES SHOWN ON THE DETAILS SHALL TAKE PRECEDENT OVER HORIZONTAL DIMENSIONS WHEN LAYING OUT CURB RAMPS.
3. ALL CURB RAMPS TO BE INSTALLED SHALL BE CONSTRUCTED WITH SIDE FLARES THAT MEET THE SPECIFICATIONS IN ACCORDANCE WITH NYS DOT STANDARD SHEET 608-01.
4. ALL DETECTABLE WARNING STRIPS TO BE INSTALLED SHALL BE THE COLOR RED AS IN ACCORDANCE WITH THE MUTCD.
5. WHENEVER THE SIDEWALK IS TO BE REMOVED AND REPLACED, ALL EXISTING MANHOLES, LAMPPOSTS, CITY MONUMENTS, ETC., WITHIN THE LIMITS OF REMOVAL ARE TO REMAIN UNLESS OTHERWISE MENTIONED ON THE PLANS. A 1/4 INCH JOINT FILLER AND SEALER IS TO BE INSTALLED BETWEEN THE EXISTING SIDEWALK AND THE NEW SIDEWALK.

**RECONSTRUCTION NOTES:**

1. THE MAINTENANCE AND PROTECTION OF STREET LIGHTING AND EXISTING TEMPORARY SUPPORTS TO VARIOUS STRUCTURAL ELEMENTS OF THE WALL ARE THE RESPONSIBILITY OF THE CONTRACTOR DURING THE LIFE OF THE CONTRACT, AND SHALL BE CARRIED OUT TO THE SATISFACTION OF THE ENGINEER. PAYMENT SHALL BE INCLUDED IN ITEM 619.01 "BASIC WORK ZONE TRAFFIC CONTROL."
2. ALL WASTE FROM CONCRETE OPERATIONS MUST BE MANAGED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. DISCHARGE OF CONCRETE WASH OUT WATER AND LEACHATE TO THE GROUND, WATERWAYS, GROUND WATER, STORM WATER SEWER OR COMBINED SEWER IS NOT PERMITTED. CONCRETE WASHOUT WATER FROM MIXER TRUCKS SHALL BE COLLECTED AND EITHER ALLOWED TO EVAPORATE FROM MUD BINS, CONTAINERS, ETC.; RETURNED TO THE CONCRETE BATCH PLANT FOR TREATMENT; TREATED ON SITE FOR DISCHARGE INTO THE SEWER SYSTEM IN ACCORDANCE WITH STANDARDS SET FORTH IN A SITE SPECIFIC NYDEP DISCHARGE PERMIT.

**DEMOLITION NOTES:**

1. THE CONTRACTOR SHALL TAKE CARE DURING EXCAVATION AND DEMOLITION OPERATIONS TO MINIMIZE DAMAGE TO THE EXISTING FEATURES TO REMAIN IN PLACE.
2. INFORMATION REGARDING THE FIELD VERIFIED LOCATION AND ELEVATION OF THE EXISTING GAS AND SEWER MAINS SHALL IMMEDIATELY BE REPORTED TO THE ENGINEER. THE CONTRACTOR IS ADVISED THAT THE PROPOSED FOOTING SHAPE MAY CHANGE TO ACCOMMODATE THE EXISTING MAINS.
3. CONTRACTOR SHALL BE AWARE OF THE APPROXIMATE LOCATION OF EXISTING GAS MAIN. CONTRACTOR SHALL USE CAUTION AND HAND DIG IN THIS NOTED LOCATION. ANY DAMAGE TO ANY PART OF THE GAS MAIN SHALL BE PAID FOR AT CONTRACTOR'S EXPENSE.

**WATER MAIN NOTES:**

1. CONTINUOUS VIBRATION MONITORING SHALL BE PROVIDED BY OTHERS AT LOCATIONS INDICATED ON THE UTILITY PLAN ALONG THE 12" WATER MAIN DURING INSTALLATION OF PROPOSED RETAINING WALL TO ENSURE RETAINING WALL INSTALLATION DOES NOT DAMAGE WATER MAIN. MONITORS SHALL BE SET DIRECTLY ON THE 12" WATER MAIN AT INDICATED LOCATIONS TO BE CONFIRMED BASED ON TRAFFIC PROTECTION AND MAINTENANCE PLAN. MONITORS SHALL BE SET TO TAKE READINGS AT 2 SECOND INTERVALS AND SHALL ALERT KEY PROJECT PERSONNEL OF VIBRATION THRESHOLD LEVEL EXCEEDANCES. THRESHOLD LEVEL SHALL BE SET TO 0.5 INCHES/SECOND. SHOULD THIS LEVEL BE EXCEEDED, WORK ASSOCIATED WITH THE VIBRATION SHALL BE STOPPED AND MEANS AND METHODS EVALUATED TO ELIMINATE THE EXCESSIVE VIBRATION. WEEKLY MONITORING REPORTS TO BE PROVIDED TO SUEZ WATER WESTCHESTER. VIBRATION MONITORING TO BE PAID FOR UNDER ITEM 634.99020017.
2. A VIBRATION MONITORING PLAN SHALL BE SUBMITTED TO SUEZ WATER WESTCHESTER FOR REVIEW AND APPROVAL PRIOR TO RETAINING WALL INSTALLATION.
3. VIBRATION MONITORING POINTS SHALL BE BOXED OUT, PLATED, AND THE TOP OF THE PIPE LEFT ACCESSIBLE FOR INSTALLATION OF VIBRATION MONITOR. CONTRACTOR SHALL RETURN TO BACKFILL WHEN VIBRATION MONITORING IS COMPLETED.

**SUBSTRUCTURE NOTES:**

1. EXCAVATION BELOW PLANNED FOOTING ELEVATION WILL NOT BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. BACKFILL OF UNAUTHORIZED EXCAVATIONS BELOW OR BEYOND PAYMENT LINES WILL BE AT THE CONTRACTOR'S EXPENSE. BACKFILL MATERIAL WILL BE AS DIRECTED BY THE ENGINEER.
2. ALL PLACEMENTS OF SELECT STRUCTURE FILL, ITEM 203.21, SHALL BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR MAXIMUM DENSITY.
3. EXISTING SUBSTRUCTURE ASSUMPTIONS ARE BASED ON LIMITED FIELD OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION AND/OR FABRICATION.

**STRUCTURAL STEEL NOTES:**

1. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A572 GRADE 50 STEEL.
2. ALL STEEL PILES SHALL BE GALVANIZED.
3. GRIND ALL EDGES OF STEEL AS NEEDED TO REMOVE SHARP EDGES.
4. ANCHOR BOLTS SHALL BE DRILLED AND GROUTED INTO THE ABUTMENT OF THE MNRW WALL. THE LOCATIONS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY AND FINAL ANCHOR BOLT LOCATIONS SHALL BE ADJUSTED AS NECESSARY. THE ANCHOR BOLT LOCATIONS SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER.

**STREAM / ENVIRONMENTAL PROTECTION NOTES:**

1. THE BLIND BROOK IS CLASSIFIED AS A CLASS C WATERBODY AT THIS LOCATION. A NYSDEC PROTECTION OF WATERS PERMIT IS NOT REQUIRED FOR THIS STREAM CLASS. A USAGE NATIONWIDE PERMIT #3 - MAINTENANCE IS APPLICABLE AND CONSTRUCTION MUST ADHERE TO THE CONDITIONS SET FORTH THEREIN.
2. THE EXISTING STREAMBED SHALL NOT BE DISTURBED BEYOND THE LIMITS OF THE COFFERDAMS. COFFERDAMS SHOULD BE SIZED WITH REGARD TO THE SEASONAL FLOW OF THE STREAM.
3. PRIOR TO STARTING ANY WORK IN THE STREAM BED OR BANKS, THE EIC SHALL CONSULT WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, REGION 8 HABITAT PROTECTION MANAGER, 21 SOUTH PUTT CORNERS ROADS, NEW PALTZ, NEW YORK 12561, FOR CONSISTENCY WITH CURRENT WATER QUALITY STANDARDS.
4. THE BLIND BROOK IS A COUNTY STREAM, AND THIS WORK REQUIRES AN APPROVED COUNTY STREAM CONTROL PERMIT TO BE ISSUED BY THE COMMISSIONER OF THE WESTCHESTER COUNTY DEPARTMENT OF PUBLIC WORKS. ONCE A COUNTY STREAM CONTROL PERMIT IS ISSUED, THE WESTCHESTER COUNTY DEPARTMENT OF PUBLIC WORKS SHALL BE NOTIFIED (914-995-3361) FORTY-EIGHT (48) HOURS IN ADVANCE OF START OF STREAM DISTURBANCE.
5. IMPINGEMENT/ENTRAINMENT AND ENTANGLEMENT: PROPERLY SECURE AND MONITOR TURBIDITY CONTROL MEASURES TO ENSURE AQUATIC SPECIES ARE NOT ENTANGLED OR TRAPPED IN THE PROJECT AREA.
6. WATER QUALITY/TURBIDITY:
  - SOIL EROSION, SEDIMENT, AND TURBIDITY CONTROLS MUST BE INSTALLED AND MAINTAINED IN EFFECTIVE OPERATING CONDITION DURING CONSTRUCTION. THE CONTROLS MUST BE REMOVED UPON COMPLETION OF WORK, AFTER ALL EXPOSED SOIL AND OTHER FILLS, AS WELL AS ANY WORK WATERWARD OF ORDINARY HIGH WATER OR THE HIGH TIDE LINE, ARE PERMANENTLY STABILIZED.
  - ANY IN-WATER SOIL EROSION, SEDIMENT, AND TURBIDITY CONTROLS MUST BE IN PLACE OR REMOVED BETWEEN MARCH 1 AND JUNE 30.
  - NO MORE THAN MINIMAL TURBIDITY OR SEDIMENTATION MAY OCCUR BETWEEN MARCH 1 AND JUNE 30.
  - CONSTRUCTION DEBRIS AND SEDIMENT MUST NOT ENTER AQUATIC AREAS AND ALL CONSTRUCTION DEBRIS AND EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OF IN AN UPLAND AREA.
  - EXCAVATED MATERIALS SHALL EITHER BE MOVED TO AN UPLAND LOCATION AND STABILIZED TO PREVENT REENTRY INTO THE WATERWAY OR DISPOSED OF AT A PREVIOUSLY APPROVED DISPOSAL SITE.
  - WET POURS OF CONCRETE MUST BE CONFINED WITHIN SEALED FORMS UNTIL THE CONCRETE IS SET, OR PRE-CAST MEMBERS INSTALLED; RAW CONCRETE MUST NOT CONTACT THE WATER.
7. HABITAT ALTERATION:
  - TEMPORARY AND/OR OBSOLETE STRUCTURES AND FILLS MUST BE REMOVED IN THEIR ENTIRETY. GEOTEXTILE BARRIERS SHALL BE INSTALLED PRIOR TO PLACEMENT OF TEMPORARY FILL MATERIAL TO ENSURE COMPLETE REMOVAL.
  - AREAS IMPACTED BY TEMPORARY ACTIVITIES, FILLS, OR STRUCTURES MUST BE RESTORED TO THE PRE-CONSTRUCTION OR BETTER CONDITION, INCLUDING ELEVATIONS AND SUBSTRATE.
  - ANY FILL MUST BE FREE OF ALL NON-NATIVE OR INVASIVE SPECIES AND/OR CONTAMINANTS; AN INVASIVE SPECIES CONTROL PLAN MUST BE INCLUDED IF CLEAN FILL CANNOT BE GUARANTEED.
8. FISH PASSAGE: SOIL EROSION, SEDIMENT AND TURBIDITY CONTROLS MUST NOT ENCRANCH GREATER THAN 50% OF THE STREAM'S WIDTH AS MEASURED FROM MEAN HIGH WATER.

**GALVANIZING NOTES:**

1. GALVANIZED SURFACES TO BE PAINTED SHALL BE PAINTED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 657 OF THE STANDARD SPECIFICATIONS. FINISH COAT COLOR SHALL BE XXX AND SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM XXX. THESE SURFACES SHALL BE PAINTED IMMEDIATELY AFTER GALVANIZING OR AFTER THE SURFACE HAS WEATHERED FOR AT LEAST 6 MONTHS.
2. ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH THE NEW YORK STATE STEEL CONSTRUCTION MANUAL.
3. DRILLED HOLES SHALL BE CLEANED OF EXCESS GALVANIZED COATING THAT PREVENTS PROPER BOLT INSTALLATION.
4. REASONABLE ACCOMODATIONS FOR THE PREVENTION OF WET STORAGE STAINING (WHITE RUST) OF HOT-DIPPED GALVANIZED (HDG) MATERIALS SHALL BE PROVIDED AT ALL TIMES. STORAGE OF HDG MATERIALS OUTDOORS SHALL BE AVOIDED. IF OUTDOOR STORAGE IS UNAVOIDABLE, EXAMPLES OF REASONABLE ACCOMODATIONS ARE AS FOLLOWS: STORE MATERIALS OFF THE GROUND AWAY FROM ALL VEGETATION, USE NON-RESINOUS WOODEN SPACERS TO ALLOW VENTILATION AND AVOID MOISTURE BUILD-UP, INCLINE MEMBERS TO ALLOW DRAINAGE. EXAMPLES OF NON-RESINOUS WOODS ARE: POPLAR, ASH AND SPRUCE. WHITE RUST THAT IS DETERMINED TO BE DETRIMENTAL TO THE INTENDED USE OF THE MEMBER OR HAVE A NEGATIVE VISUAL IMPACT ON THE STRUCTURE SHALL BE REPAIRED IN ACCORDANCE WITH THE NYS STEEL CONSTRUCTION MANUAL. WHITE RUST THAT IS DETERMINED TO BE CAUSED BY IMPROPER STORAGE OR SHIPPING OF HDG MATERIALS SHALL BE REPAIRED AT NO COST TO THE CITY.

**M.S.E.S. WALL NOTES:**

1. WALL FACE SHALL BE VERTICAL, NOT BATTERED.
2. GENERAL FACE SURFACE OF WALL SHALL BE SMOOTH OR FLAT WITH SANDBLASTED FINISH. COST INCLUDED IN M.S.E.S. WALL PAY ITEMS.
3. A CONCRETE COPING SHALL BE PLACED ON THE TOPS OF ALL EXPOSED M.S.E.S.

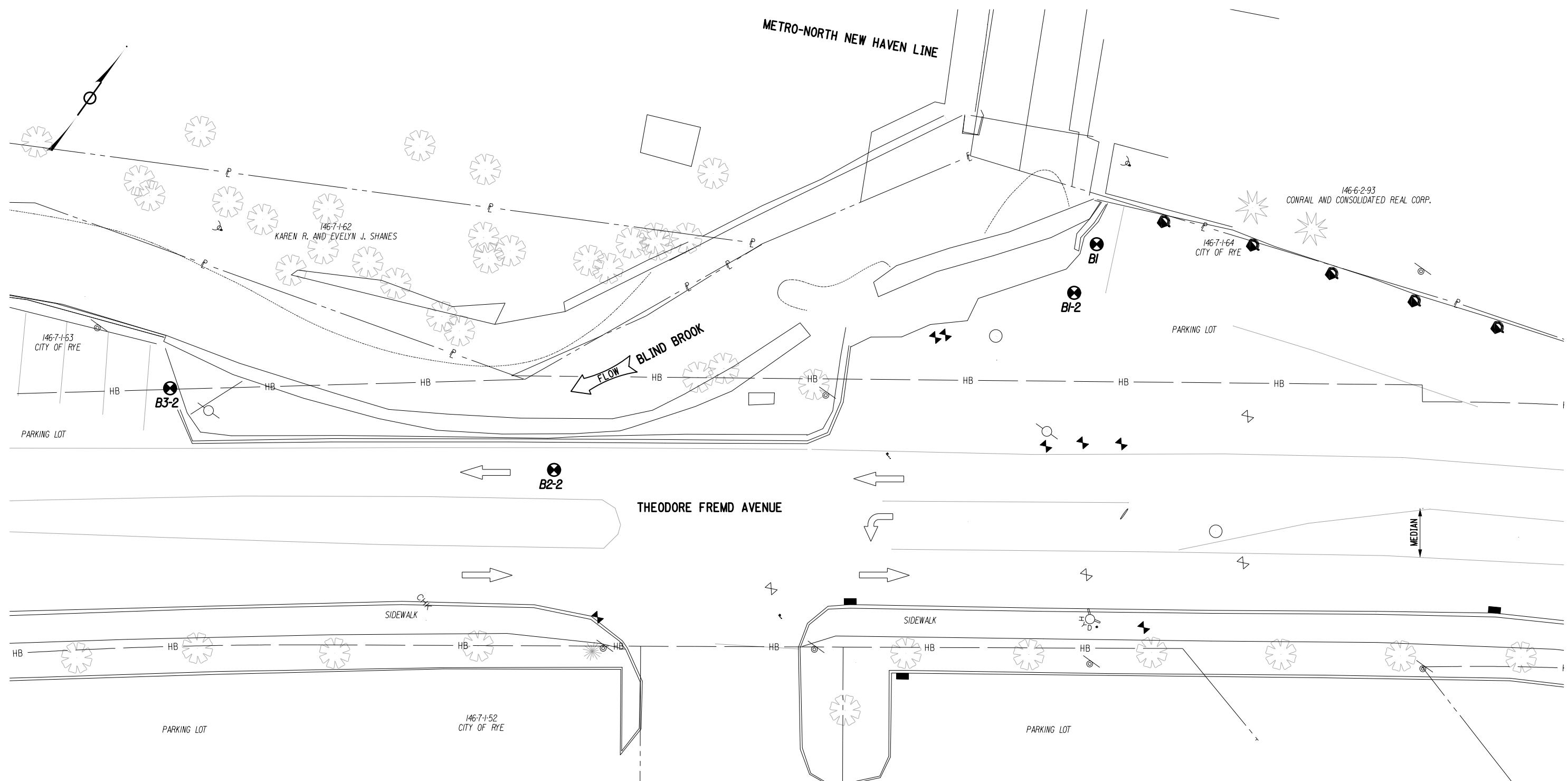
**SUGGESTED CONSTRUCTION SEQUENCE:**

1. INSTALL MPT MEASURES. ESTABLISH WORK ZONE.
2. INSTALL COFFERDAM ALONG STREAM EDGE. COFFERDAM INSTALLATION MUST BE PERFORMED WITHIN THE FOLLOWING DATES: JULY 1 AND FEBRUARY 28.
3. DRILL HOLES FOR TEMPORARY SOLDIER PILES. INSTALL PILES.
4. DRILL HOLES FOR PERMANENT SOLDIER PILES. INSTALL PILES, REMOVE EXISTING WALL AND EXCAVATE, INSTALLING TEMPORARY TIMBER LAGGING AS EXCAVATION PROGRESSES. NOTE OVERHEAD CLEARANCE AND/OR WORKING RESTRICTIONS MAY BE IN EFFECT FOR PILES TO BE INSTALLED BENEATH RAILROAD OVERHEAD COMMUNICATION LINES.
5. EXCAVATE FOR MSES WALLS, INSTALLING TEMPORARY TIMBER LAGGING AT TEMPORARY SOLDIER PILES AS EXCAVATION PROGRESSES. BACKFILL. INSTALL MSES WALL AND WALL FACING.
6. INSTALL PRECAST CONCRETE LAGGING AT PERMANENT SOLDIER PILES. INSTALL MEDIUM STONE FILL ALONG FRONT FACE.
7. REMOVE COFFERDAM ALONG STREAM EDGE. COFFERDAM REMOVAL MUST BE PERFORMED WITHIN THE FOLLOWING DATES: JULY 1 TO FEBRUARY 28.
8. CUT TEMPORARY SOLDIER PILES TO BELOW GRADE. BACKFILL.
9. INSTALL SIDEWALKS AND CURB RAMPS, PERFORM UTILITY ADJUSTMENTS, INSTALL ROADWAY PAVEMENT. INSTALL GUIDE RAIL, SIGNAGE, AND STRIPING.
10. REMOVE MPT MEASURES.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				GENERAL NOTES - 2	DRAWING NO. GNN-2
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						

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PLAN

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK					BORING LOCATION PLAN
		CITY OF RYE, WESTCHESTER COUNTY, NY				
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						 <small>500 Sunnyside Lane Drive, Suite 450          Valhalla, NY 10595          (914) 747-1120          www.wsp.com</small>

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: WSP USA		SHEET 1_OF_1 HOLE NO. B1-2						
PROJECT NO. G129-1051-18		PROJECT NAME Retaining Wall Rehabilitation		BORING LOCATIONS per Plan						
FOREMAN - DRILLER BD/mk/sd		LOCATION Theodore Fremd Avenue Rye, NY		INSPECTOR						
GROUND WATER OBSERVATIONS AT 126' FT AFTER 0 HOURS		TYPE HSA SS NQ2		DATE START 7/13/18						
AT FT AFTER HOURS		SIZE I.D. 4 1/4" 1 3/8" 2"		DATE FINISH 7/16/18						
		HAMMER WT. 140# BIT		SURFACE ELEV.						
		HAMMER FALL 30" dia		GROUND WATER ELEV.						
DEPTH	SAMPLE					BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 - 12 - 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST MOIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
	CASING BLOWS PER FOOT	NO	Type	PEN	REC					
5	1	ss	24"	5"	70"	21	12	moist compact	4" ASPHALT Bm FMC SAND & SILT, sm FC gravel	
10	2	ss	24"	3"	120"	17	7	moist compact	Bm FM SAND, sm silt, tr F gravel	
15	3	ss	16"	10"	164"	10	9	wet v dense	Bm FMC SAND, sm FC gravel, tr silt	
20	1	c	60"	26"	250"	RQD = 12%	2		160" SAME COBBLES, BOULDERS and/or fractured BEDROCK	
25	2	c	60"	40"	300"	RQD = 42%	2		200" AUGER REFUSAL BEDROCK ( Schist / Gneiss )	
30							3		300" E.O.B. 300"	
35									Boring Grouted on Completion	

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO FT. USED CASING THEN CASING TO FT. HOLE NO. B1-2

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST  
 WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE  
 SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM  
 PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50% F = FINE

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: WSP USA		SHEET 1_OF_1 HOLE NO. B2-2						
PROJECT NO. G129-1051-18		PROJECT NAME Retaining Wall Rehabilitation		BORING LOCATIONS per Plan						
FOREMAN - DRILLER PD/jk		LOCATION Theodore Fremd Avenue Rye, NY		INSPECTOR						
GROUND WATER OBSERVATIONS AT 5 FT AFTER 0 HOURS		TYPE NW SS NQ2		DATE START 8/2/18						
AT FT AFTER HOURS		SIZE I.D. 3" 1 3/8" 2"		DATE FINISH 8/2/18						
		HAMMER WT. 140# BIT		SURFACE ELEV.						
		HAMMER FALL 30" dia		GROUND WATER ELEV.						
DEPTH	SAMPLE					BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 - 12 - 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST MOIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
	CASING BLOWS PER FOOT	NO	Type	PEN	REC					
5	1	c	36"	24"	50"	3	3	wet stiff	0.4" ASPHALT 1.8" CONCRETE 2.0" Lt Bm Bm FMC SAND & FC GRAVEL, COBBLES, BOULDER CONCRETE	
10	2	ss	18"	6"	116"	12	22	wet dense	Bm SILT & Gry (varved) VF-F SAND & SILT, lt C sand, F gravel	
15	3	ss	18"	12"	166"	42	27	wet v dense	Lt Gry VF-FMC SAND & SILT, sm FC gravel, cobbles, lt boulders BOULDERS, COBBLES	
20	4	ss	2"	2"	202"	100/2"	1.5	v dense	Lt Gry VF-F-C SAND & SILT, lt FC gravel	
25	5	c	60"	60"	306"	RQD = 65%	2.25		13.6" poss fractured / partially decomposed BEDROCK or BOULDERS	
30							2.5		18.6" AUGER REFUSAL BEDROCK ( Schist / Gneiss )	
35							2.5		20.6" AUGER REFUSAL BEDROCK ( Schist / Gneiss )	
40							2.75		30.6" E.O.B. 306"	
									Boring Grouted on Completion	

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO FT. USED CASING THEN CASING TO FT. HOLE NO. B2-2

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST  
 WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE  
 SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM  
 PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50% F = FINE

SOILTESTING, INC. 90 DONOVAN RD. OXFORD, CT 06478 CT (203) 262-9328 NY (914) 946-4850		CLIENT: WSP USA		SHEET 1_OF_1 HOLE NO. B3-2						
PROJECT NO. G129-1051-18		PROJECT NAME Retaining Wall Rehabilitation		BORING LOCATIONS per Plan						
FOREMAN - DRILLER BD/mk/sd		LOCATION Theodore Fremd Avenue Rye, NY		INSPECTOR						
GROUND WATER OBSERVATIONS AT 10 FT AFTER 0 HOURS		TYPE HSA SS NQ2		DATE START 7/13/18						
AT FT AFTER HOURS		SIZE I.D. 4 1/4" 1 3/8" 2"		DATE FINISH 7/13/18						
		HAMMER WT. 140# BIT		SURFACE ELEV.						
		HAMMER FALL 30" dia		GROUND WATER ELEV.						
DEPTH	SAMPLE					BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6 - 12 - 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST MOIST	STRATA CHANGE DEPTH ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
	CASING BLOWS PER FOOT	NO	Type	PEN	REC					
5	1	ss	24"	12"	70"	16	5	moist loose	4" ASPHALT Bm FMC SAND, sm silt, FC gravel	
10	2	ss	24"	14"	120"	37	21	wet dense	tr brick at 5" Bm VF-F SAND, sm silt	
15	3	ss	3"	3"	153"	50/3"		v dense	lt cobbles, boulders 10 - 12" Gry VF-F SAND & SILT	
20	1	c	60"	20"	250"	RQD = 18%			Gry FMC SAND & F GRAVEL, cobbles ( poss partially decomposed / fractured BEDROCK )	
25	2	c	60"	60"	300"	RQD = 90%			200" AUGER REFUSAL BEDROCK ( Schist / Gneiss )	
30									300" E.O.B. 300"	
35									Boring Grouted on Completion	

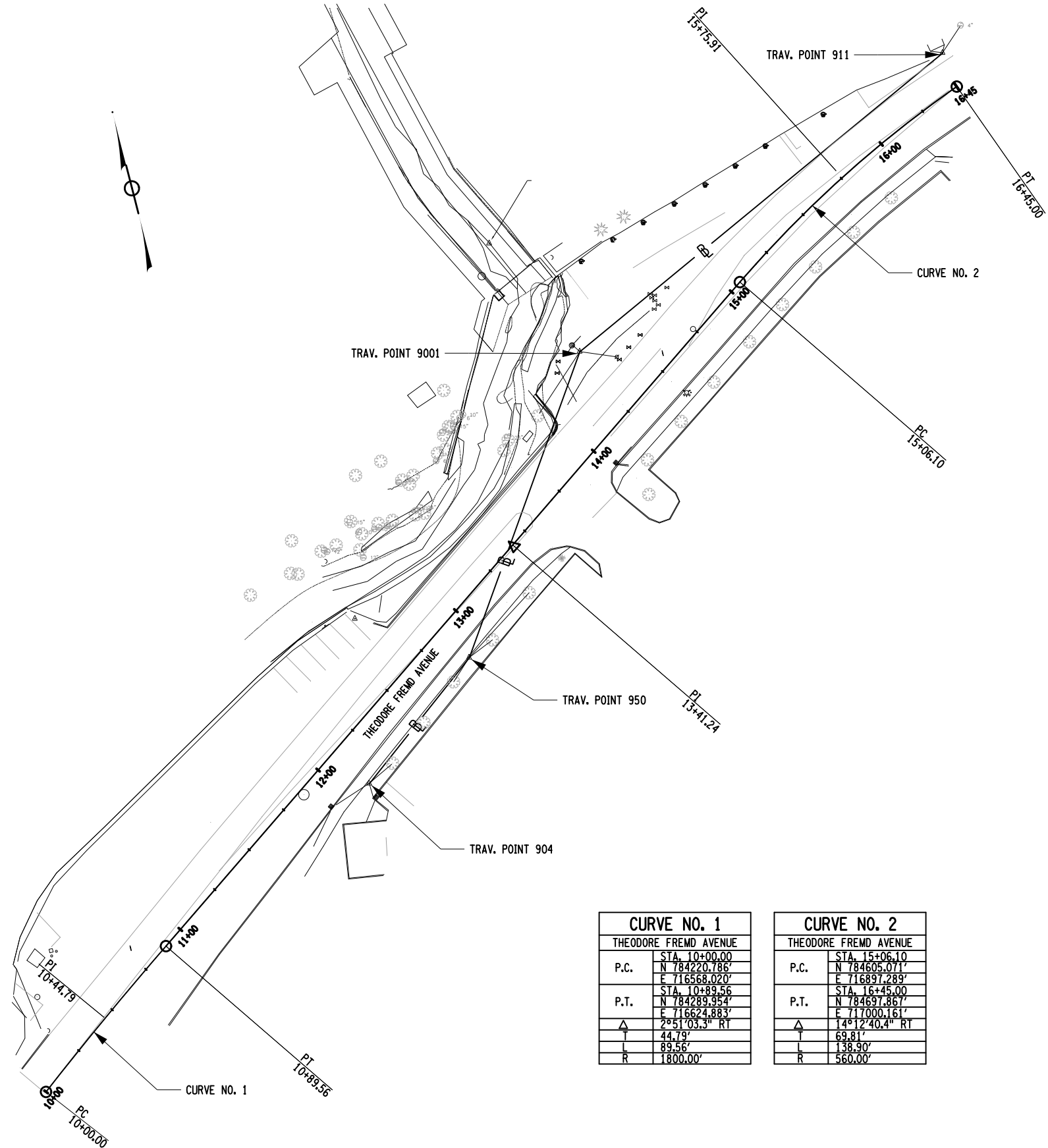
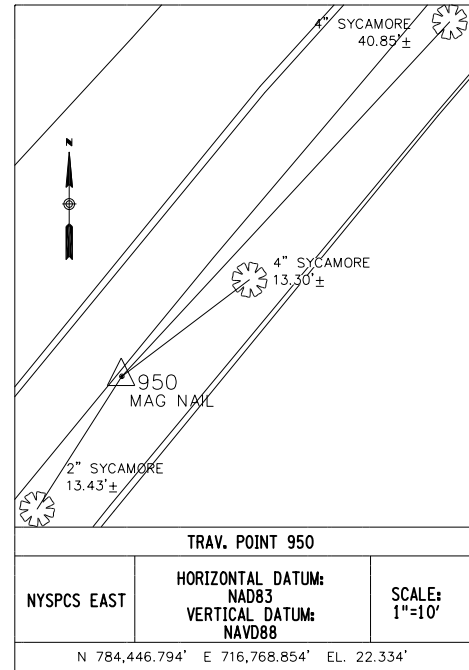
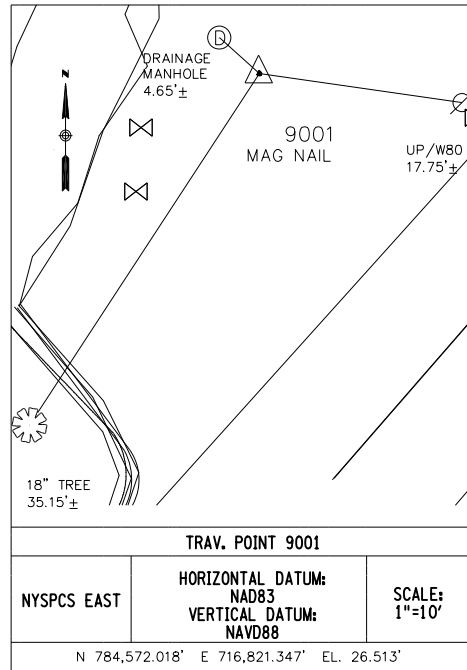
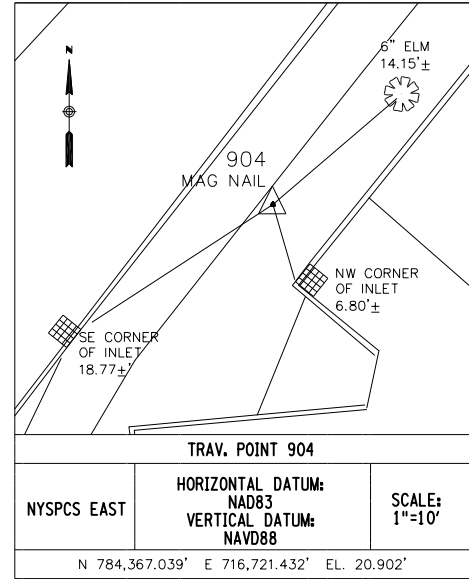
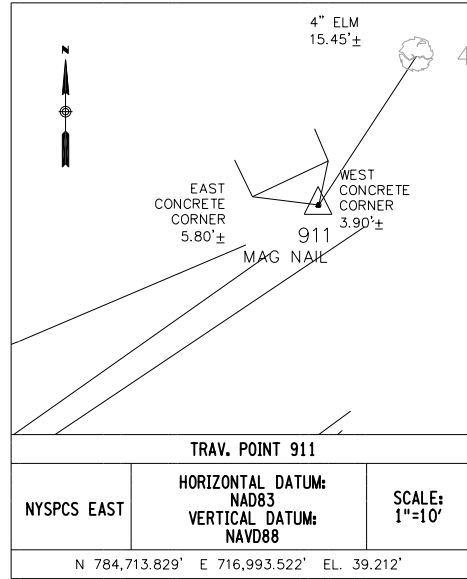
NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO FT. USED CASING THEN CASING TO FT. HOLE NO. B3-2

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST  
 WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE  
 SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM  
 PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND = 35 - 50% F = FINE

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK					
	CITY OF RYE, WESTCHESTER COUNTY, NY					
<b>BORING LOGS</b>						DRAWING NO. BOR-2
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						SHEET NO. 6



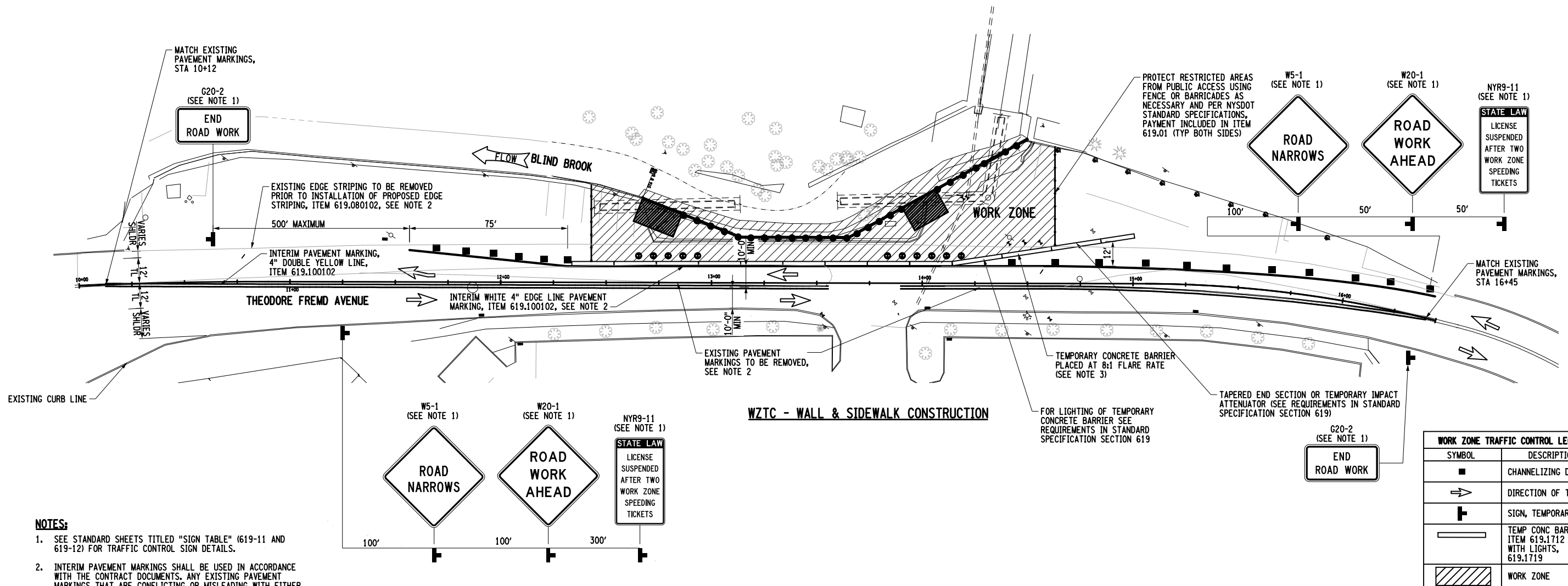


CURVE NO. 1	
THEODORE FREMD AVENUE	
P.C.	STA. 10+00.00 N 784220.786' E 716568.020'
P.T.	STA. 10+89.56 N 784289.954' E 716624.883'
Δ	2951.03.3° RT
T	44.79'
L	89.56'
R	1800.00'

CURVE NO. 2	
THEODORE FREMD AVENUE	
P.C.	STA. 15+06.10 N 784605.071' E 716897.289'
P.T.	STA. 16+45.00 N 784697.867' E 717000.161'
Δ	14°12'40.4" RT
T	69.81'
L	138.90'
R	560.00'

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK					
		CITY OF RYE, WESTCHESTER COUNTY, NY				
<b>BASELINE TIES AND CURVE DATA</b>					DRAWING NO. BLT	
					SHEET NO. 7	

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



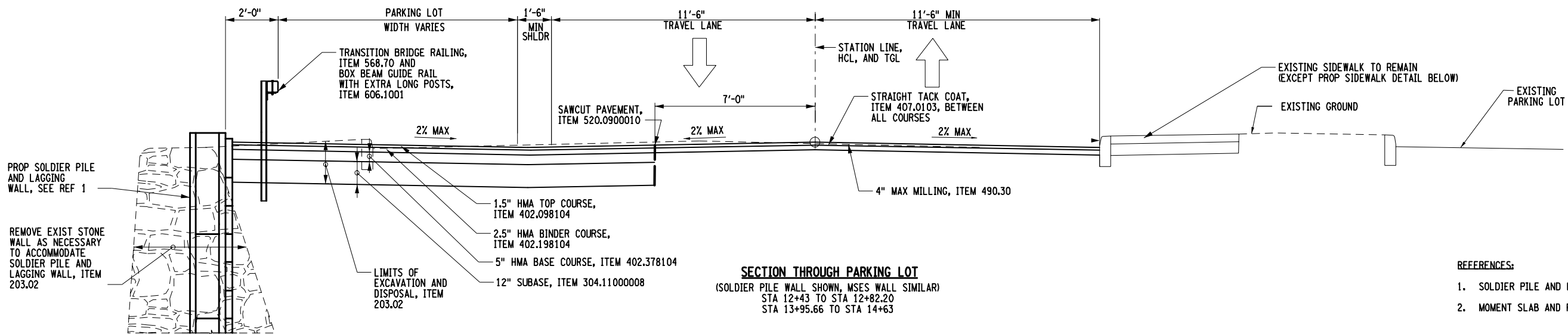
- NOTES:**
- SEE STANDARD SHEETS TITLED "SIGN TABLE" (619-11 AND 619-12) FOR TRAFFIC CONTROL SIGN DETAILS.
  - INTERIM PAVEMENT MARKINGS SHALL BE USED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ANY EXISTING PAVEMENT MARKINGS THAT ARE CONFLICTING OR MISLEADING WITH EITHER INTERIM OR PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED. REMOVAL OF PAVEMENT MARKINGS SHALL BE PAID FOR UNDER ITEM 619.080102.
  - UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON THIS DRAWING SHALL BE PAID FOR UNDER ITEM 619.01, WORK ZONE TRAFFIC CONTROL.

WORK ZONE TRAFFIC CONTROL LEGEND	
SYMBOL	DESCRIPTION
■	CHANNELIZING DEVICE
➔	DIRECTION OF TRAFFIC
⊥	SIGN, TEMPORARY
▬	TEMP CONC BARRIER, ITEM 619.1712 WITH LIGHTS, 619.1719
▨	WORK ZONE

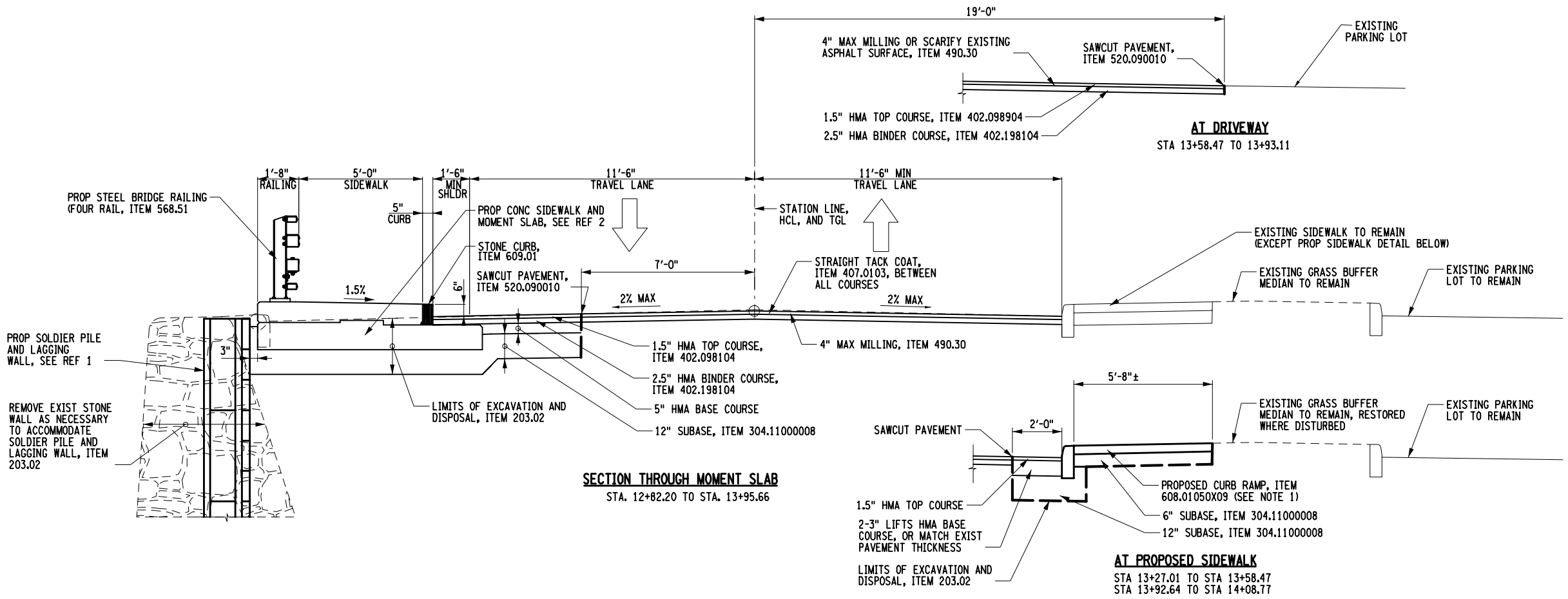
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				<b>WZTC PLAN</b>	DRAWING NO. WZTC
	CITY OF RYE, WESTCHESTER COUNTY, NY					SHEET NO. 8

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

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 DESIGN FD  
 CHECK EG  
 DRAFTING MM  
 CHECK EG  
 PROJECT MANAGER JH  
 NCS



- REFERENCES:**
- 1. SOLDIER PILE AND LAGGING WALL WAL-1 TO WAL-4
  - 2. MOMENT SLAB AND RAILING DETAILS RAL-1

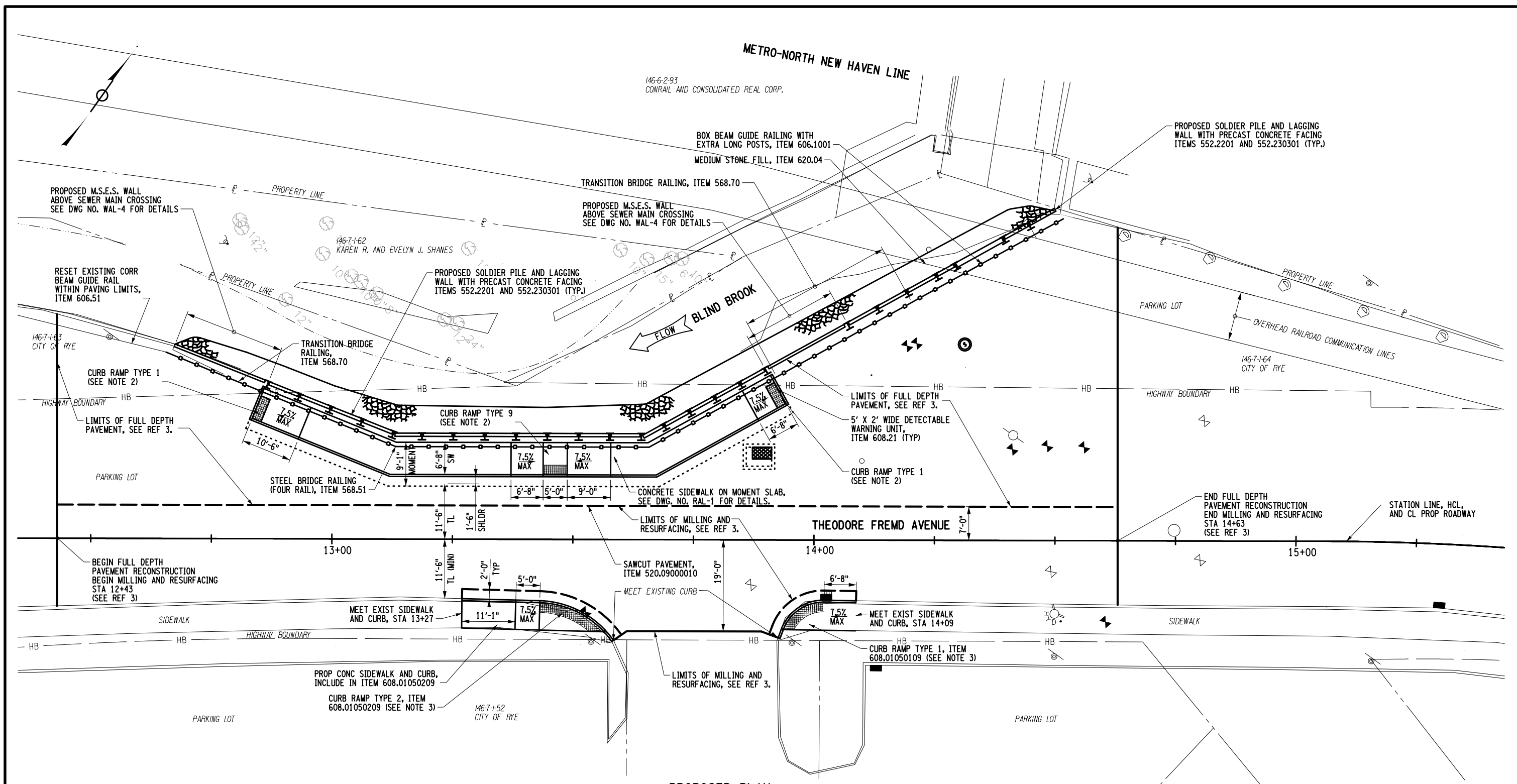


- REFERENCES:**
1. THE WORK SHALL INCLUDE DEMOLITION, SAW CUTTING, DISPOSAL, FILL, COMPACTION, CONSTRUCTION OF THE NEW CURB RAMPS, TURNING SPACES AND ASSOCIATED CURBING. ALSO INCLUDED ARE DETECTABLE WARNING UNITS, REPAIRS TO AFFECTED ASPHALT AND CONCRETE, TOPSOIL, ESTABLISHING TURF ON DISTURBED AREAS, AND FINISH WORK. ALL MATERIAL AND LABOR REQUIRED TO PERFORM THESE TASKS IS INCLUDED.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMONT AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				<b>TYPICAL SECTIONS</b>	DRAWING NO. TYP
	CITY OF RYE, WESTCHESTER COUNTY, NY					SHEET NO. 9
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						



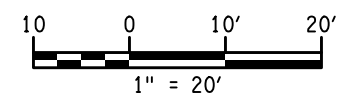
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**PROPOSED PLAN**

**REFERENCES:**

- FOR SIGNAGE AND STRIPING DETAILS, SEE DWG SSP.
- FOR PROPOSED UTILITIES, UTILITY ADJUSTMENT LOCATIONS AND PAY ITEMS SEE DWG UTL.
- FOR PAVEMENT ITEM NUMBERS AND THICKNESSES, SEE DWG TYP.



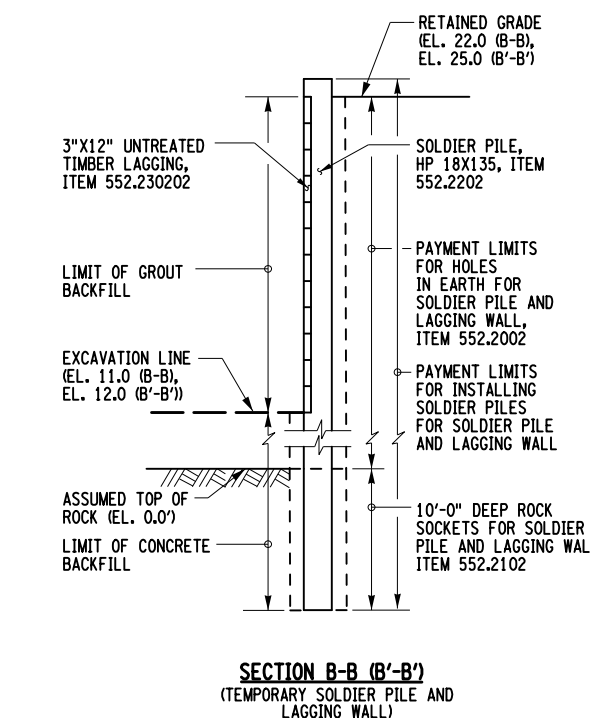
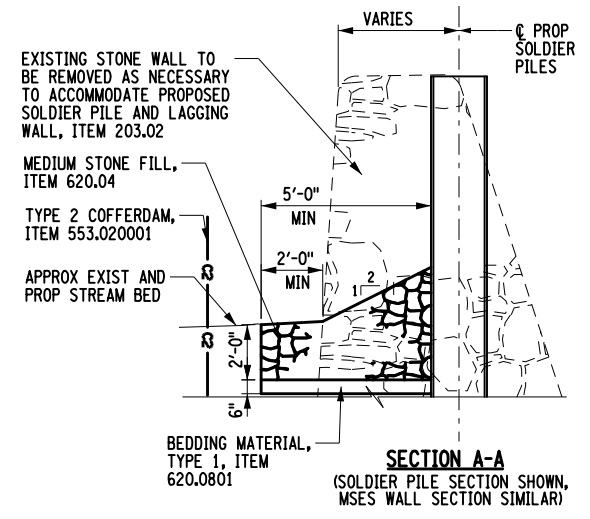
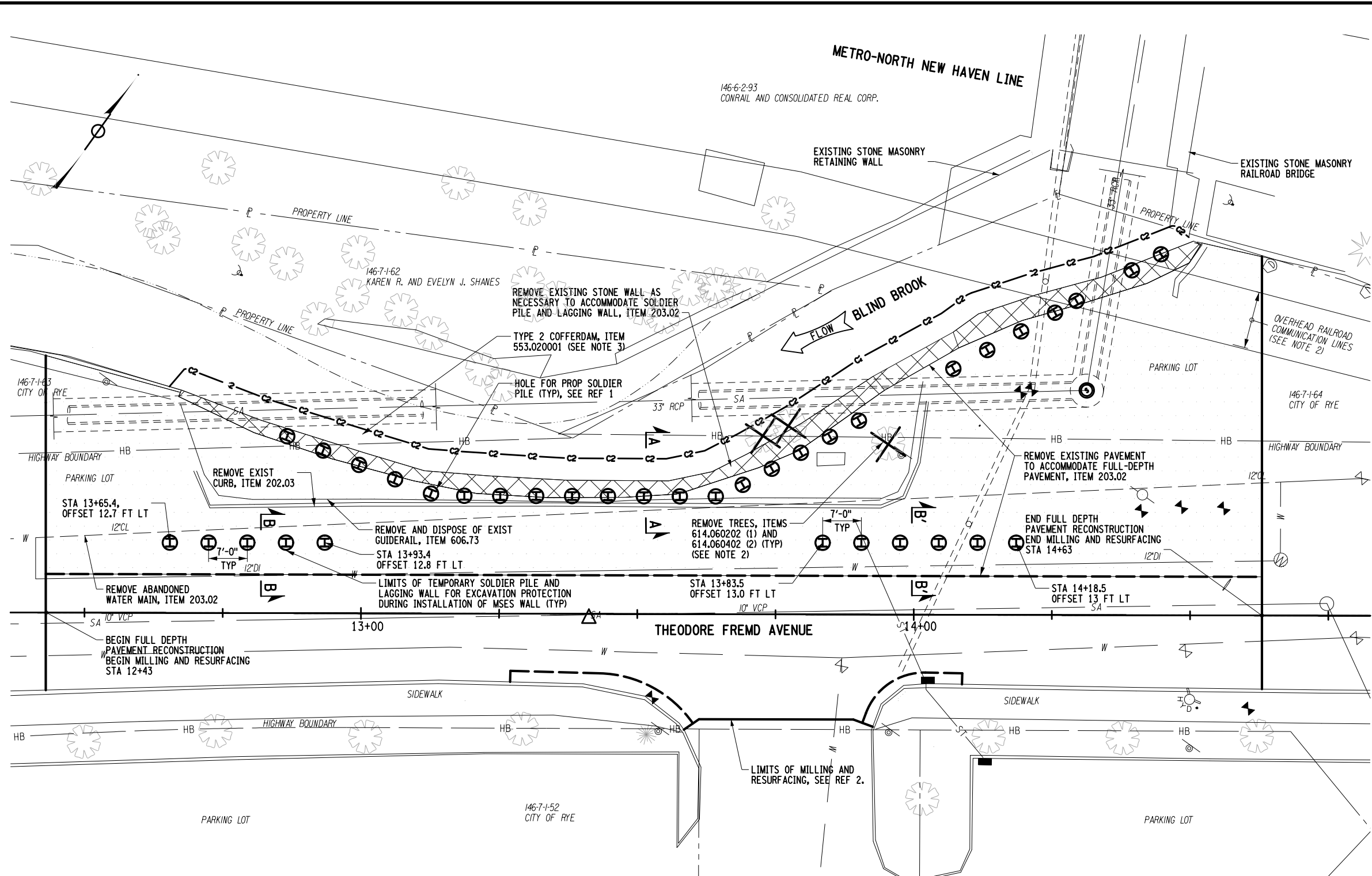
**NOTES:**

- SEE STANDARD SHEET 608-01 FOR ADDITIONAL DETAILS AND REQUIREMENTS FOR CURB RAMP ADA COMPLIANCE.
- CURB RAMPS INTEGRAL WITH THE MOMENT SLAB SHALL ADHERE TO THE SPECIFICATION REQUIREMENTS IN ITEM 608.01050X09. THE WORK SHALL BE QUANTIFIED AND PAID FOR UNDER ITEMS 555.09 AND 556.0202. SEE DWG RAL-1 FOR DETAILS.
- ITEM 608.01050X09 WORK SHALL INCLUDE DEMOLITION, SAW CUTTING, DISPOSAL, FILL, COMPACTION, CONSTRUCTION OF THE NEW CURB RAMPS, TURNING SPACES AND ASSOCIATED CURBING. ALSO INCLUDED ARE DETECTABLE WARNING UNITS, REPAIRS TO AFFECTED ASPHALT AND CONCRETE, TOPSOIL, ESTABLISHING TURF ON DISTURBED AREAS, AND FINISH WORK. ALL MATERIAL AND LABOR REQUIRED TO PERFORM THESE TASKS IS INCLUDED..

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				<b>GENERAL PLAN</b>	DRAWING NO. <b>GNP</b>
						SHEET NO. <b>10</b>
CITY OF RYE, WESTCHESTER COUNTY, NY IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						



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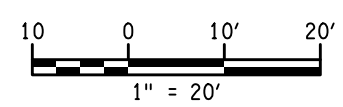
**NOTES:**

- BOULDERS HAVE BEEN DISCOVERED IN THE AREA OF EXCAVATION. INCLUDE PAYMENT OF REMOVAL IF NECESSARY UNDER ITEM 203.02.
- CONSTRUCTION MEANS AND METHODS WITHIN THE AREAS BENEATH AND AFFECTING THE RAILROAD OVERHEAD COMMUNICATIONS SHALL BE SUBMITTED TO METRO-NORTH FOR REVIEW AND APPROVAL PRIOR TO BEGINNING OPERATIONS. NOTE THAT LIMITED OVERHEAD CLEARANCE MAY RESTRICT PERMITTED EQUIPMENT TYPES.
- COFFERDAM TYPE AND PLACEMENT MUST CONSIDER THE UTILITY CROSSINGS SHOWN. CONTRACTOR SHALL PROCEED CAREFULLY TO PROTECT AND MAINTAIN UTILITY SERVICE. COFFERDAM INSTALLATION AND/OR REMOVAL OPERATIONS SHALL ONLY BE PERFORMED BETWEEN JULY 1 AND FEBRUARY 28.

**REFERENCES:**

1. SOLDIER PILE AND LAGGING WALL	WAL-1 TO WAL-3
2. TYPICAL SECTIONS	TYP

**DWG:**

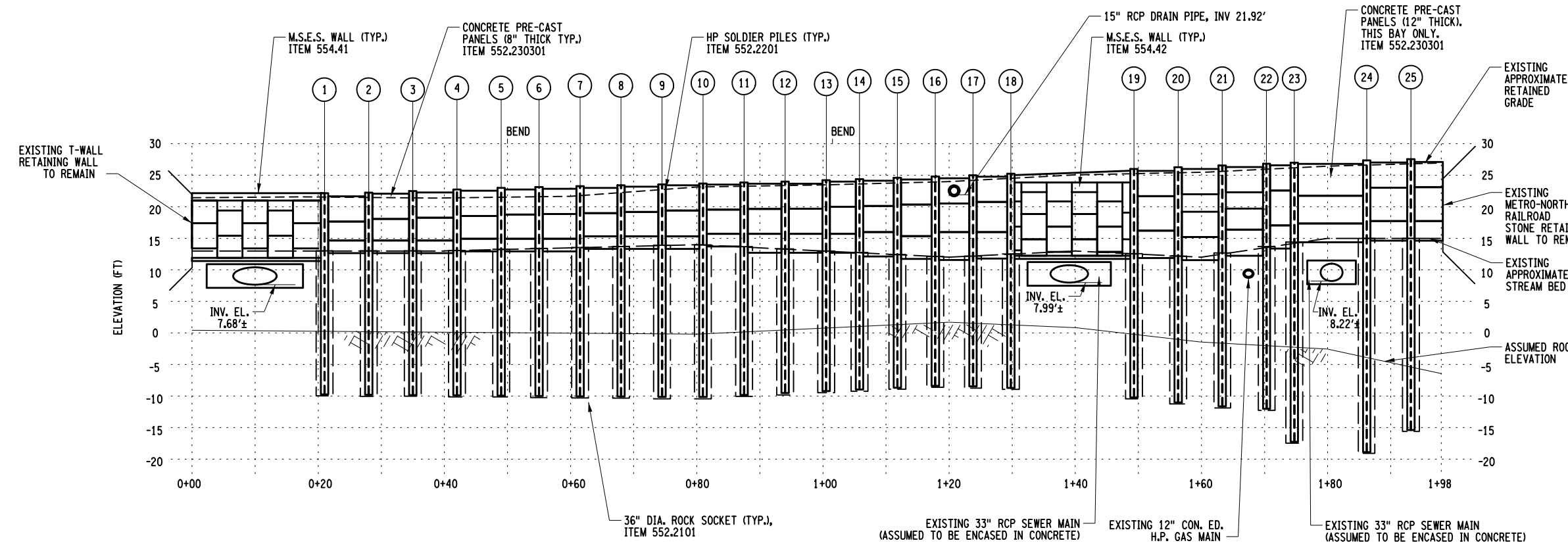


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREM D AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				<b>EXISTING AND REMOVALS PLAN</b>	DRAWING NO. EXT
						SHEET NO. 11
CITY OF RYE, WESTCHESTER COUNTY, NY						

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



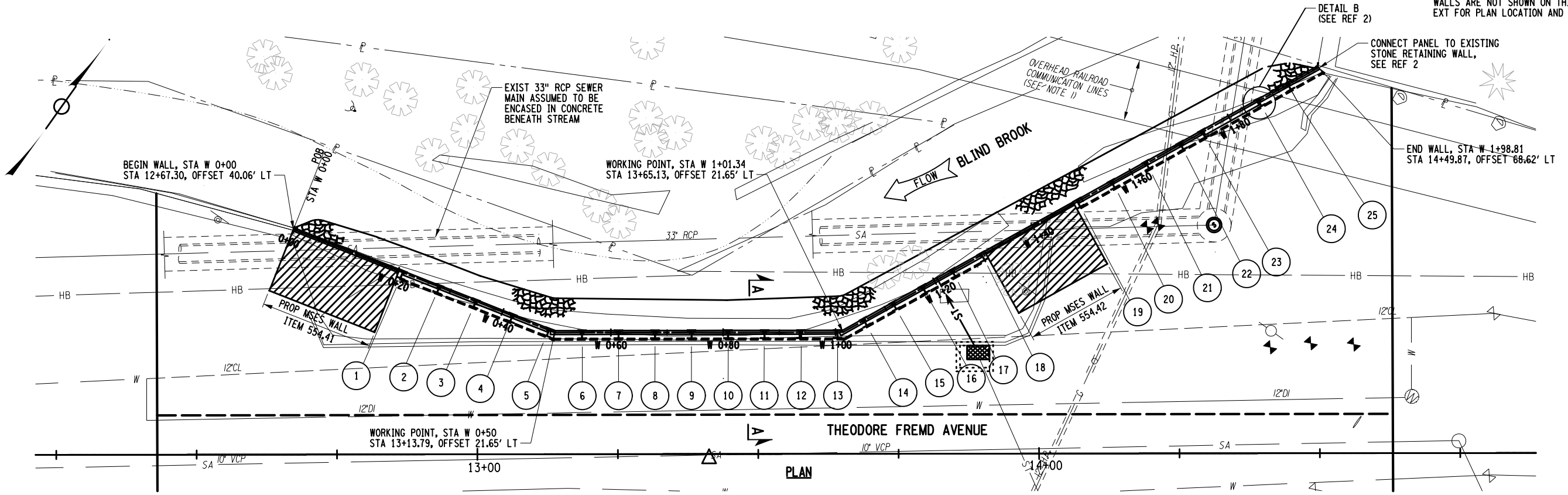
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**ELEVATION OF PROPOSED SOLDIER PILE WALL**  
(LOOKING NORTH AT STATION LINE)

- REFERENCES:**
- PILE SCHEDULE
  - SOLDIER PILE WALL DETAILS
  - M.S.E.S. WALL SECTION
  - TYP. PILE SECTION
  - ADDITIONAL NOTES
- DWGS:**
- EXC-2
  - WAL-3
  - MSE
  - WAL
  - EXC-2

- NOTES:**
- CONSTRUCTION MEANS AND METHODS WITHIN THE AREAS BENEATH THE RAILROAD OVERHEAD COMMUNICATION LINES SHALL BE SUBMITTED TO METRO-NORTH FOR REVIEW AND APPROVAL PRIOR TO BEGINNING OPERATIONS. NOTE THAT LIMITED OVERHEAD CLEARANCE MAY RESTRICT PERMITTED EQUIPMENT TYPES.
  - CONTRACTOR SHALL TAKE EXTREME CARE WHEN INSTALLING SOLDIER PILES IN PROXIMITY OF EXISTING SEWER AND GAS MAINS. THESE FACILITIES ARE TO BE MAINTAINED AND PROTECTED DURING CONSTRUCTION. THE LOCATIONS AND INVERT ELEVATIONS SHOWN WERE DETERMINED THROUGH AVAILABLE RECORD PLANS AND LIMITED SURVEY INFORMATION, NOT THROUGH VISUAL OBSERVATIONS OR TEST PIT INFORMATION. A TEST PIT AT EACH LOCATION WHERE THE PROPOSED WALL CROSSES AN EXISTING UTILITY HAS BEEN INCLUDED IN THE CONTRACT (4 TOTAL).
  - NOTE THAT TEMPORARY SOLDIER PILE AND LAGGING WALLS ARE NOT SHOWN ON THIS DRAWING. SEE DWG EXT FOR PLAN LOCATION AND SECTION.



**PLAN**

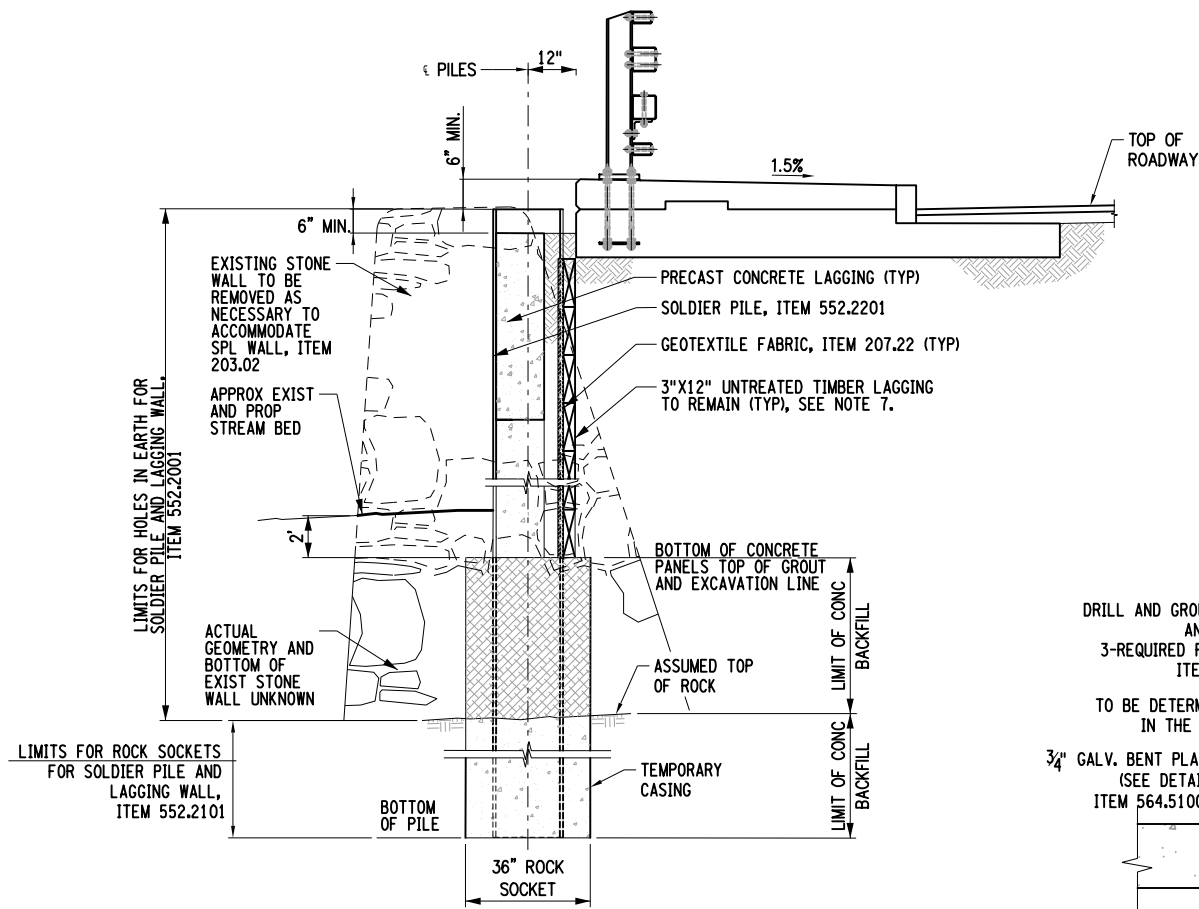
**LEGEND:**

M.S.E.S. WALL REINFORCED ZONE

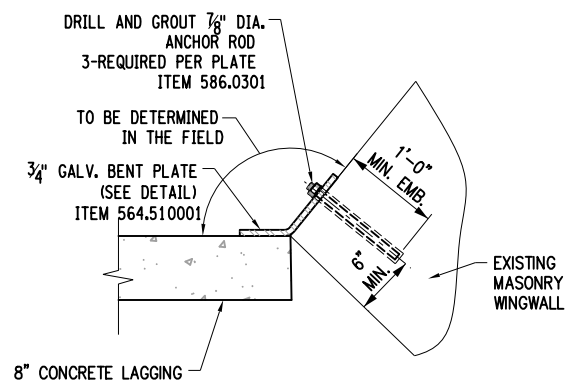
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL ALONG THE BLIND BROOK CITY OF RYE, WESTCHESTER COUNTY, NY	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
SOLDIER PILE WALL PLAN AND ELEVATION						DRAWING NO. <b>WAL-1</b> SHEET NO. <b>12</b>

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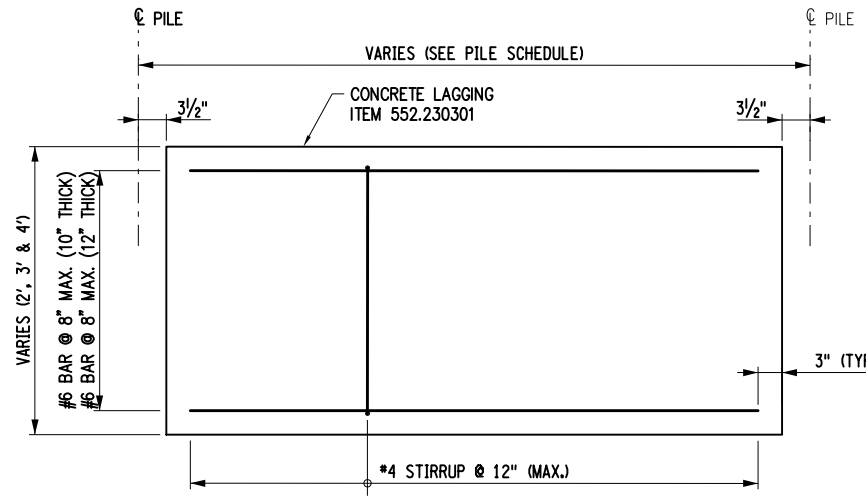




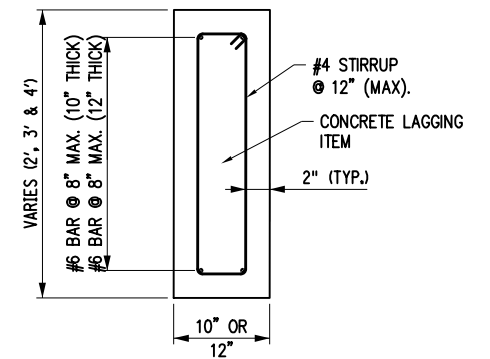
**SECTION A-A**  
SCALE: 1/2" = 1'-0"



**EAST CORNER ATTACHMENT DETAIL**  
SCALE: 1" = 1'-0"

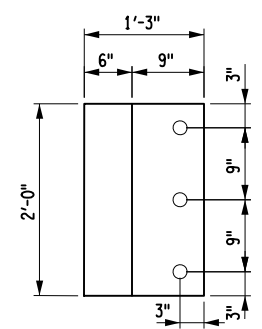


**LAGGING ELEVATION**

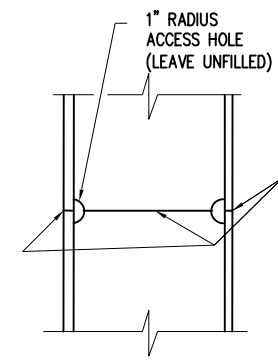


**LAGGING SECTION**

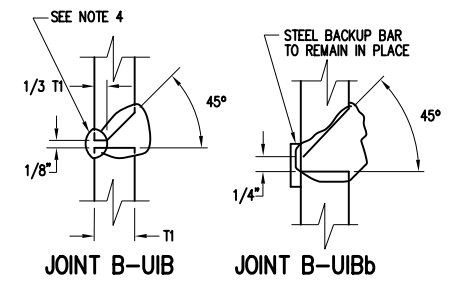
**PRECAST CONCRETE LAGGING PANELS**  
SCALE: 1" = 1'-0"



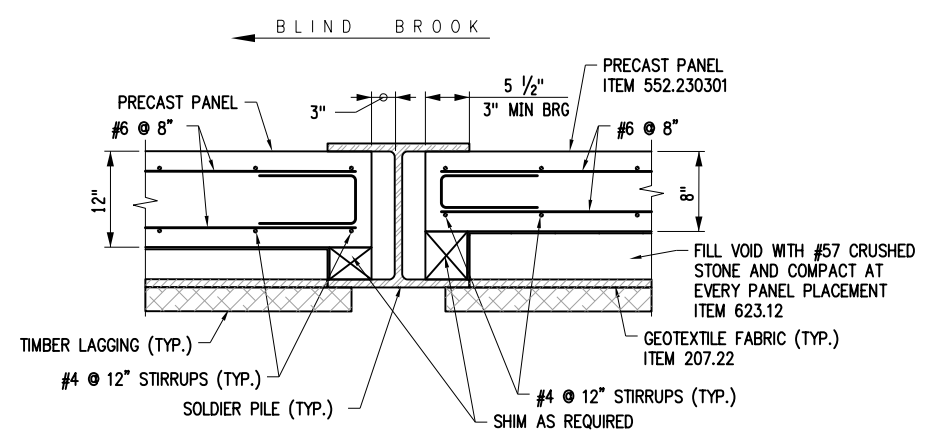
**3/4 inch GALV. BENT PLATE**  
SCALE: 1" = 1'-0"



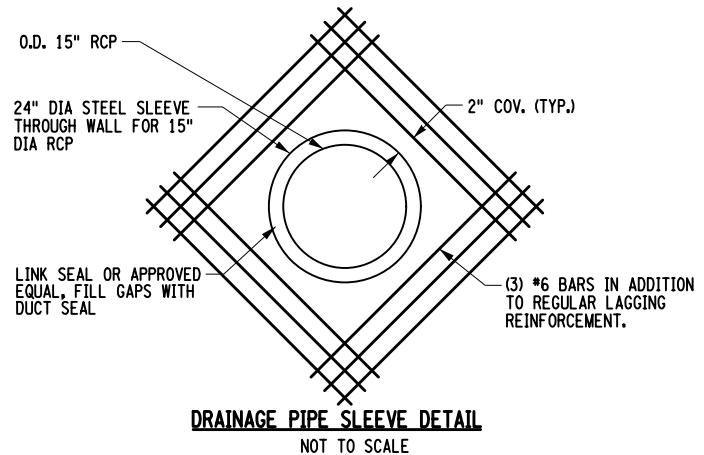
NOTE: SEE WELDING NOTES.



**SPlice FOR STEEL PILE**  
NOT TO SCALE



**DETAIL B**  
SCALE: 1" = 1'-0"



**DRAINAGE PIPE SLEEVE DETAIL**  
NOT TO SCALE

- NOTES**
1. A "WELDING PROCEDURE SPECIFICATION" (WPS) APPROVED BY THE D.C.E.S. IS REQUIRED.
  2. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN CONFORMANCE WITH REQUIREMENTS FOR WELDING SPECIFIED IN THE N.Y.S. STEEL CONSTRUCTION MANUAL.
  3. EITHER JOINT MAY BE USED AT CONTRACTOR'S OPTION.
  4. AIR CARBON ARC GOUGE TO SOUND WELD METAL PRIOR TO WELDING THE SECOND SIDE. THE GOUGE SHALL HAVE A 1/4" MINIMUM RADIUS AT THE ROOT WITH THE TOP SLOPED BACK AT 45° MINIMUM.
  5. DETAILS ON THE DRAWINGS LABELED "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS, FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.
  6. SPLICING OF STEEL PILES, IF REQUIRED, IS TO BE INCLUDED IN PAY ITEM 552.2001.
  7. UNTREATED TIMBER LAGGING TO BE PAID FOR UNDER ITEM 552.23020X.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				<b>SOLDIER PILE WALL DETAILS</b>	DRAWING NO. <b>WAL-3</b>
						SHEET NO. <b>13</b>
	CITY OF RYE, WESTCHESTER COUNTY, NY					

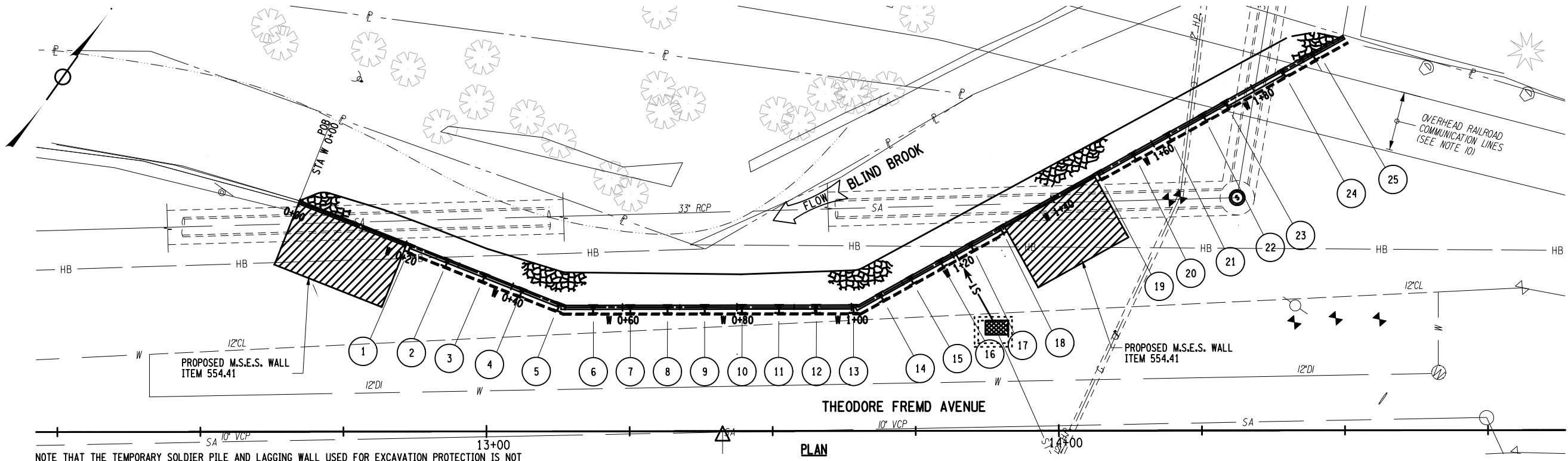
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 DATE/TIME = USER = PLOTTED BY: USNS04286

DESIGN SUPERVISOR DW JOB MANAGER NCS DESIGNER FD CHECKER MM DRAFTER EG CHECKER JH PROJECT MANAGER NCS

PILE SCHEDULE										
SOLDIER PILE NO.	SIZE	STATION	OFFSET (FT)	TOP PILE ELEVATION (FT)	BOTTOM PILE ELEVATION	PILE LENGTH (FT)	ASSUMED ROCK ELEVATION	AS-BUILT PILE LENGTH (FT)	MIN LENGTH ROCK SOCKET (FT)	
1	HP 18X135	12+89.59	32.00 LEFT	22.00	-9.75	31.75	0.25		10	
2	HP 18X135	12+93.10	29.43 LEFT	22.25	-9.80	32.05	0.20		10	
3	HP 18X135	12+99.61	26.85 LEFT	22.50	-9.85	32.35	0.15		10	
4	HP 18X135	13+06.12	24.28 LEFT	22.75	-9.90	32.65	0.09		10	
5	HP 18X135	13+12.63	21.70 LEFT	23.00	-9.96	32.96	0.04		10	
6	HP 18X135	13+18.65	21.31 LEFT	23.13	-10.00	33.13	0.00		10	
7	HP 18X135	13+25.15	21.31 LEFT	23.28	-10.05	33.33	-0.04		10	
8	HP 18X135	13+31.65	21.31 LEFT	23.42	-10.10	33.52	-0.10		10	
9	HP 18X135	13+38.15	21.31 LEFT	23.57	-10.14	33.71	-0.15		10	
10	HP 18X135	13+44.65	21.31 LEFT	23.71	-10.14	33.85	-0.15		10	
11	HP 18X135	13+51.15	21.31 LEFT	23.86	-9.84	33.70	-0.17		10	
12	HP 18X135	13+57.65	21.31 LEFT	24.00	-9.53	33.53	0.46		10	
13	HP 18X135	13+64.15	21.31 LEFT	24.22	-9.22	33.44	0.78		10	
14	HP 18X135	13+69.05	23.44 LEFT	24.39	-8.97	33.36	1.04		10	
15	HP 18X135	13+74.27	26.33 LEFT	24.60	-8.69	33.29	1.33		10	
16	HP 18X135	13+79.52	29.44 LEFT	24.80	-8.40	33.20	1.60		10	
17	HP 18X135	13+84.77	32.15 LEFT	25.00	-8.46	33.46	1.54		10	
18	HP 18X135	13+90.01	35.06 LEFT	25.24	-8.72	33.96	1.29		10	
19	W 21X182	14+07.07	44.52 LEFT	26.00	-10.22	36.22	-0.22		10	
20	W 21X182	14+13.19	47.91 LEFT	26.28	-11.02	37.30	-1.02		10	
21	W 21X182	14+19.31	51.30 LEFT	26.55	-11.63	38.18	-1.63		10	
22	W 21X182	14+25.43	54.70 LEFT	26.83	-12.03	38.86	-2.01		10	
23	W 21X182	14+29.30	56.84 LEFT	27.00	-17.26	44.26	-2.27		10	
24	W 21X182	14+39.33	62.40 LEFT	27.37	-18.88	46.25	-3.87		10	
25	W 21X182	14+44.58	65.31 LEFT	27.56	-15.40	42.96	-5.39		10	

- NOTES:**
1. THE SOLDIER PILE AND LAGGING WALL SHOWN SHALL BE LEFT IN PLACE. USED MATERIAL IS NOT PERMITTED FOR ITEM INSTALLING SOLDIER PILES FOR SOLDIER PILE AND LAGGING WALL, ITEMS 552.2001, 552.2101, 552.2201, 552.230201, AND 552.230301
  2. ALL STEEL PILES SHALL BE GALVANIZED, ITEM 564.20010008
  3. PROVIDE SOLDIER PILE SECTIONS MEETING THE REQUIREMENTS OF ASTM A572 GRADE 50 STEEL.
  4. TEMPORARY SLEEVES OR CASINGS ARE REQUIRED FOR THE HOLES IN EARTH FOR SOLDIER PILE AND LAGGING WALLS. PAYMENT SHALL BE INCLUDED IN ITEM 552.2001.
  5. DUE TO THE PRESENCE OF EXISTING WALL AND RUBBLE, PROGRESSING THE HOLES IN EARTH FOR SOLDIER PILE AND LAGGING WALL ITEM MAY REQUIRE SPECIAL EQUIPMENT AND/OR PROCEDURES. NO EXTRA PAYMENT WILL BE MADE FOR SPECIAL EQUIPMENT AND/OR PROCEDURES.
  6. SPECIFICATION TOLERANCES AFFECT THE LENGTH OF LAGGING.
  7. MIN. DIAMETER OF HOLE SHALL BE 36". PAID FOR UNDER ITEM 552.2001.
  8. ALL SOLDIER PILES SHOWN ARE DRILLED AND PLACED IN HOLES.
  9. ALL HOLES SHALL BE BACKFILLED WITH SUITABLE MATERIAL AFTER CONCRETE PLACEMENT.
  10. PILES INSTALLED BENEATH THE EXISTING RAILROAD OVERHEAD COMMUNICATION LINES MAY REQUIRE SPLICES, SPECIAL EQUIPMENT, OR SPECIAL CONSTRUCTION METHODS TO ADHERE TO RAILROAD MINIMUM CLEARANCES AND REQUIREMENTS. CONTRACTOR MEAND AND METHODS SHALL BE SUBMITTED TO METRO-NORTH FOR REVIEW AND APPROVAL PRIOR TO BEGINNING OPERATIONS.



NOTE THAT THE TEMPORARY SOLDIER PILE AND LAGGING WALL USED FOR EXCAVATION PROTECTION IS NOT SHOWN ON THIS DRAWING. SEE DWG EXT FOR PLAN LOCATION AND SECTION.

**LEGEND:**  
 M.S.E.S. WALL REINFORCED ZONE

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK					DRAWING NO. <b>WAL-2</b> SHEET NO. <b>14</b>
		CITY OF RYE, WESTCHESTER COUNTY, NY			<b>SOLDIER PILE SCHEDULE</b>	

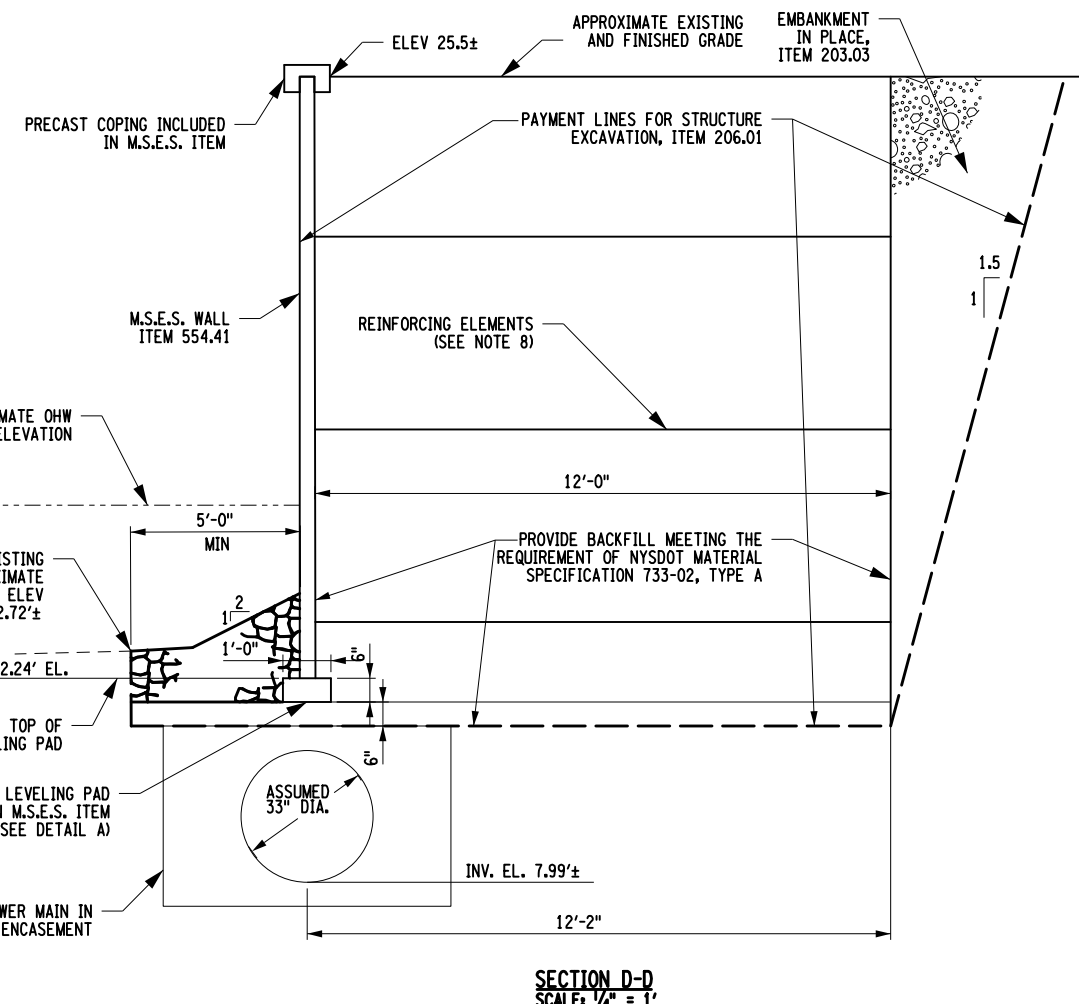
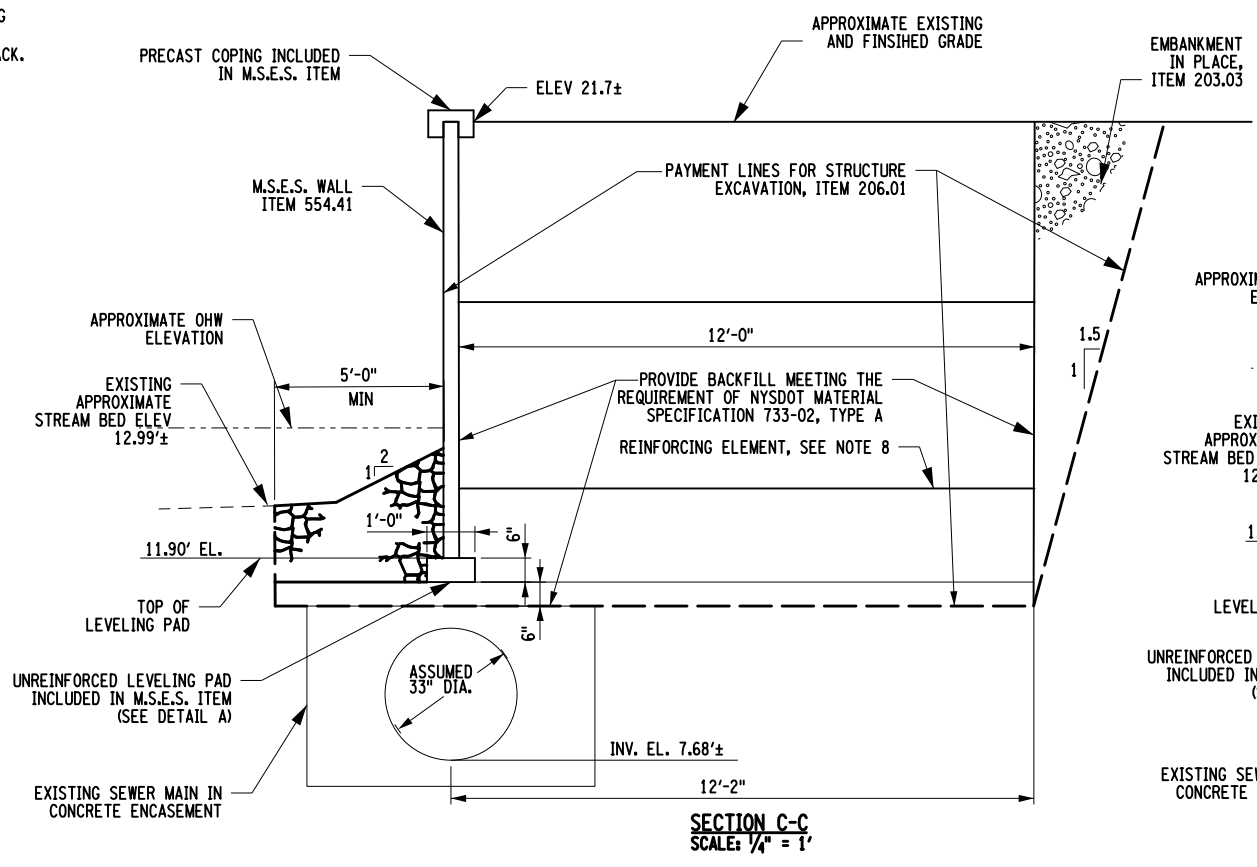
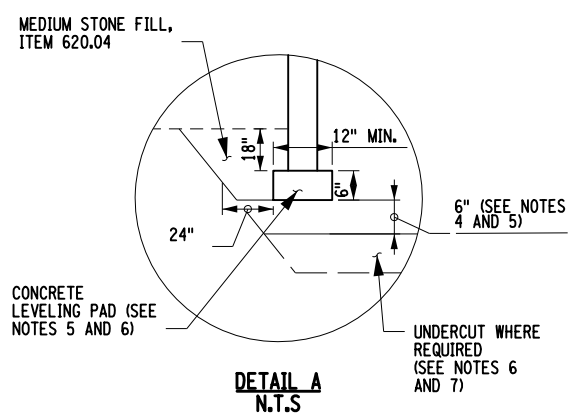
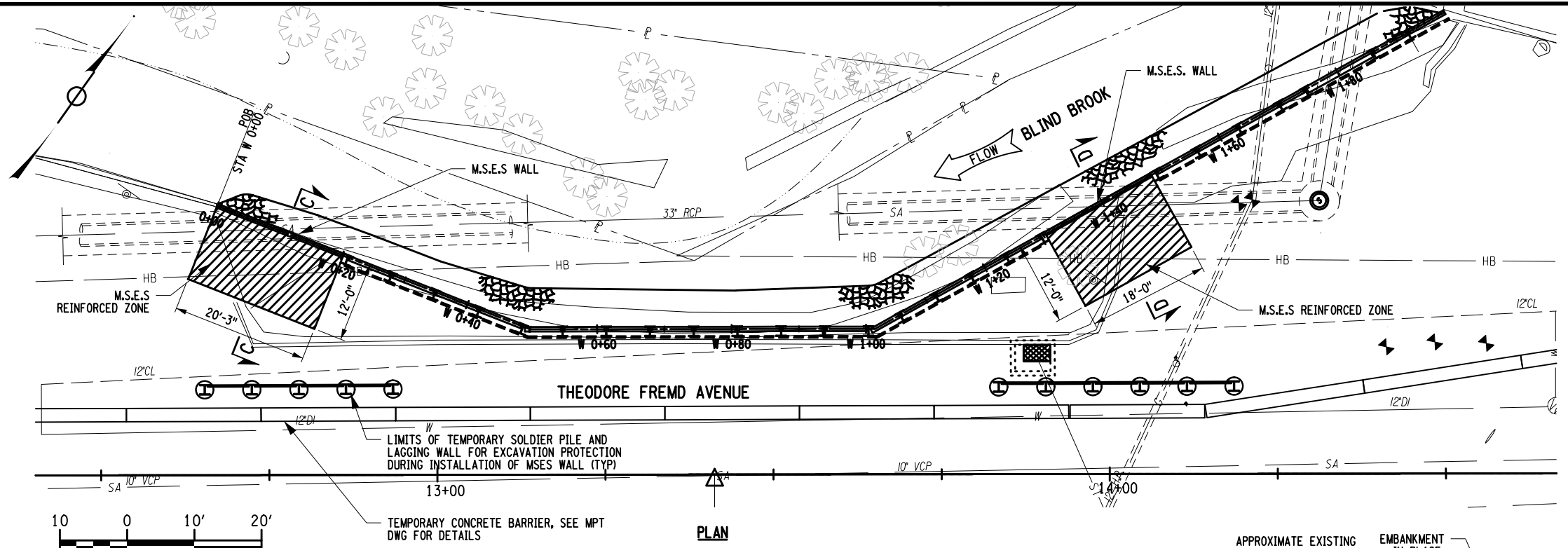
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NCS PROJECT MANAGER JH CHECK EG DRAFTING MM CHECK FD DESIGN NCS JOB MANAGER DW DESIGN SUPERVISOR

**NOTES:**

1. PRECAST CONCRETE FACED M.S.E.S. WALL TO BE DESIGNED BY VENDOR ON APPROVED NYSDOT LIST.
2. DIMENSIONS SHOWN ARE FOR THE PURPOSE OF ESTIMATION ONLY.
3. M.S.E.S. BACKFILL SHALL BE WRAPPED IN GEOTEXTILE FABRIC AND FREE DRAINING. WALL IS SUBJECT TO INUNDATION.
4. A GRANULAR LEVELING PAD OR AN UNREINFORCED CONCRETE LEVELING PAD SHALL BE CONSTRUCTED BENEATH THE FIRST COURSE OF WALL UNITS IN A MANNER ACCEPTABLE TO THE ENGINEER, AND AT THE LOCATION SHOWN IN THE CONTRACT DOCUMENTS. THE LEVELING PAD SHALL BE PROPERLY INSTALLED, TO ASSURE A LEVEL FIRST COURSE OF WALL UNITS.
5. CONCRETE LEVELING PAD INSTALLATION:
  - A. PRECAST: THE CONTRACTOR MAY SUBSTITUTE, AT NO ADDITIONAL COST TO THE CITY, CUSHION SAND MEETING THE REQUIREMENTS OF SS 703-06, IN LIEU OF SELECT STRUCTURAL FILL, DIRECTLY BENEATH THE LEVELING PAD TO FACILITATE PLACEMENT OF THE PAD. THICKNESS OF THE CUSHION SAND SHALL NOT EXCEED 6".
  - B. CAST-IN-PLACE: THE CONTRACTOR MAY ELIMINATE THE 6" EXCAVATION AND CUSHION SAND, AND CAST THE LEVELING PAD DIRECTLY ON THE EXCAVATED WALL FOUNDATION AREA.
  - C. STEP THE LEVELING PAD TO CONFORM TO GRADE CHANGES.
6. THE USE OF SHIMS WILL NOT BE ALLOWED TO CORRECT FOR IMPROPER OR INCORRECT PLACEMENT OF LEVELING PAD AND/OR POOR CONSTRUCTION PRACTICES. SHIMS WILL BE ALLOWED TO CORRECT FOR MINOR FABRICATION IRREGULARITIES.
7. A MAX. 2'-0" UNDERCUT MAY BE ORDERED BY THE ENGINEER WHERE NECESSARY. UNDERCUTTING SHALL BE PAID FOR UNDER SECTION 206.
  - A. IF UNDERCUTTING IS ORDERED, THE LIFT THICKNESS AND COMPACTION REQUIREMENTS FOR SELECT STRUCTURAL FILL SHALL BE AS DIRECTED BY THE ENGINEER.
  - B. THE ENGINEER SHALL BE CONSULTED IF IT APPEARS THAT UNDERCUTTING BEYOND THE 2'-0" MAX. DEPTH MAY BE NEEDED.
8. PLACEMENT OF THE REINFORCING ELEMENTS SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
  - A. REINFORCING ELEMENTS SHALL BE CONTINUOUS THROUGHOUT THEIR EMBEDMENT LENGTHS.
  - B. REINFORCING ELEMENTS SHALL BE PLACED PERPENDICULAR TO THE FACING UNITS, UNLESS OTHERWISE NOTED ON APPROVED SHOP DRAWINGS.
  - C. FLEXIBLE REINFORCEMENTS SHALL BE PRETENSIONED TO REMOVE ANY SLACK.
  - D. CONNECT REINFORCING ELEMENTS TO THE FACING UNIT, AS DIRECTED BY THE MANUFACTURER'S RECOMMENDATIONS.
  - E. OVERLAPPING LAYERS OF REINFORCING ELEMENTS SHALL BE SEPARATED BY A MINIMUM 3" THICKNESS OF BACKFILL MATERIAL.



- LEGEND:**
- EPS — EXCAVATION PROTECTION SYSTEM. ITEM 552.17.
  - M.S.E.S. WALL REINFORCED ZONE

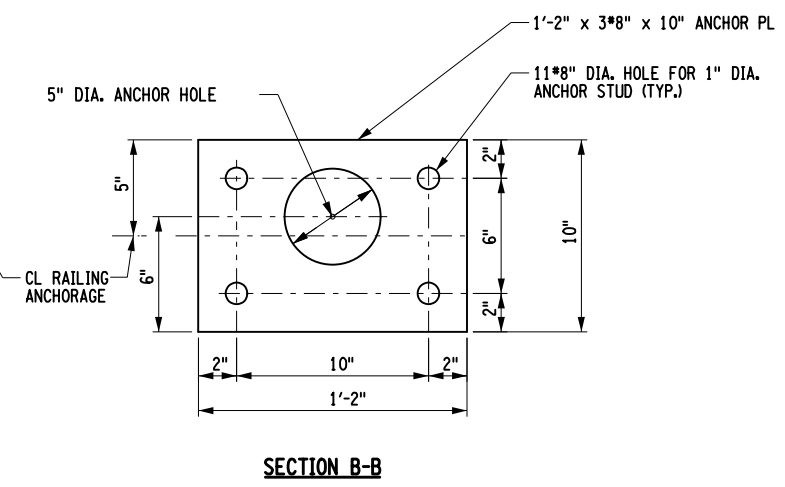
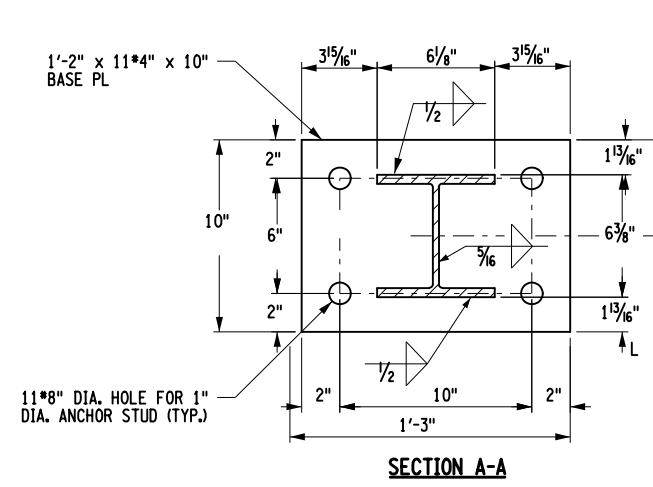
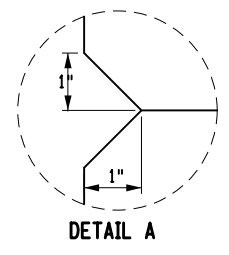
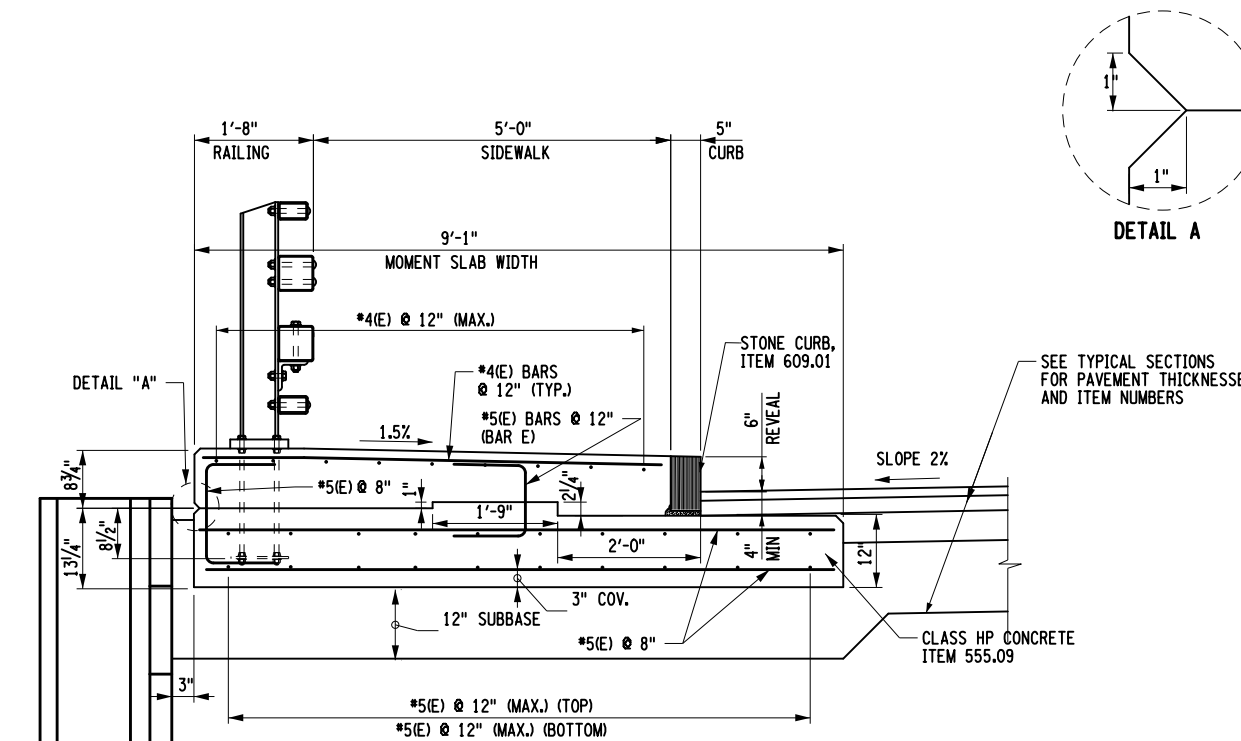
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	ALONG THE BLIND BROOK				<b>M.S.E.S. WALL DETAILS</b>	DRAWING NO. <b>WAL-4</b>
						SHEET NO. <b>15</b>
	CITY OF RYE, WESTCHESTER COUNTY, NY					

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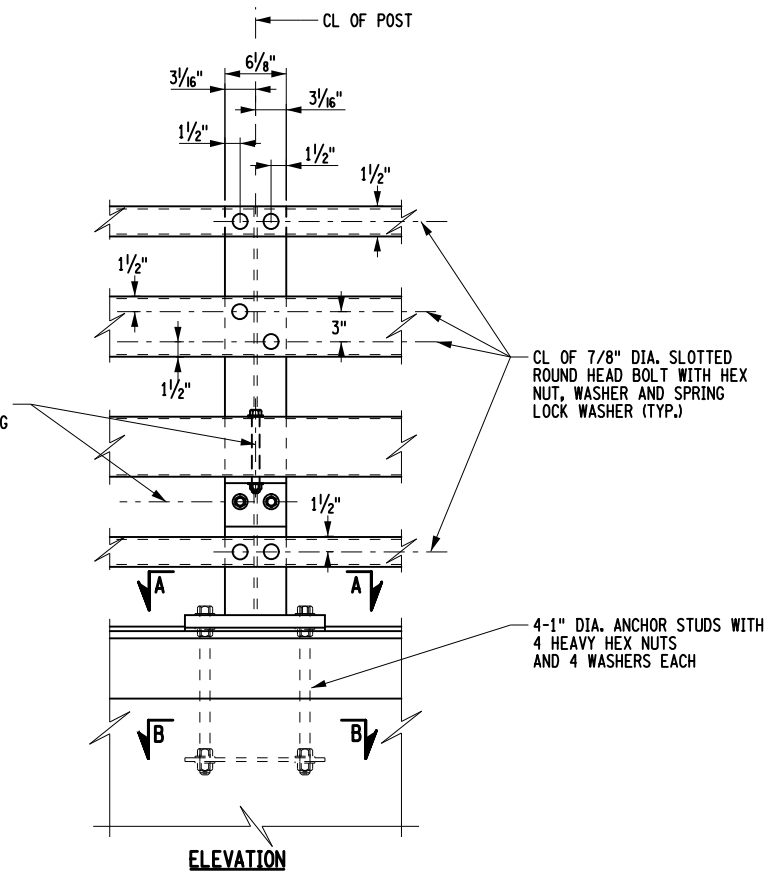
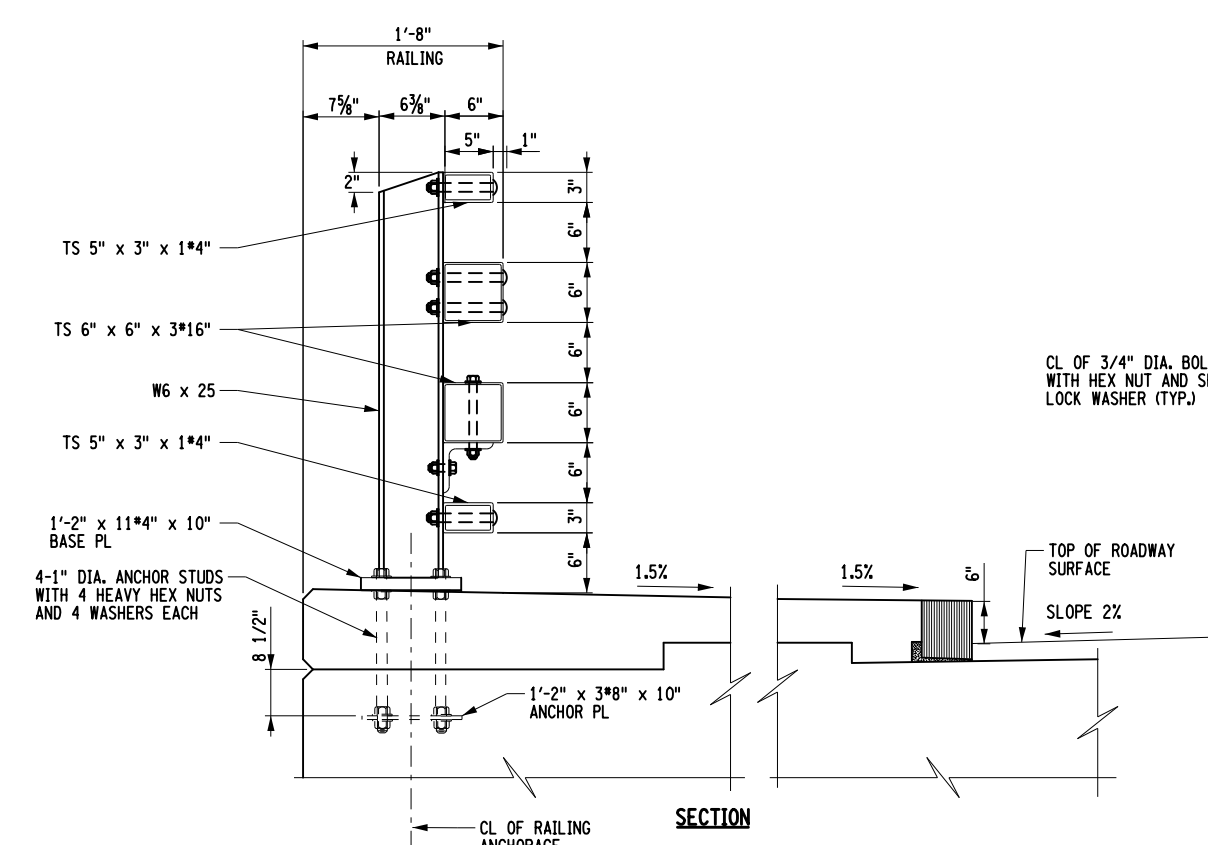
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 CHECK: EG  
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 CHECK: FD  
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 DW: DW  
 DESIGN SUPERVISOR: DW



SOLDIER PILE FOR SOLDIER PILE AND LAGGING WALL, SEE WAL DWGS FOR DETAILS  
 PRECAST CONCRETE PANELS FOR SOLDIER PILE AND LAGGING WALL, SEE WAL DWGS FOR DETAILS  
 3" x 12" UNTREATED TIMBER LAGGING FOR SOLDIER PILE AND LAGGING WALL, SEE WAL DWGS FOR DETAILS

**STEEL BRIDGE RAILING AND MOMENT SLAB REINFORCEMENT**



**STEEL BRIDGE RAILING (FOUR-RAIL) WITH SIDEWALK**

- NOTES:
- THE MAXIMUM CENTER TO CENTER SPACING OF RAILING POSTS IS 8'-3".
  - MOMENT SLAB AND SIDEWALK ON MOMENT SLAB TO BE PAID FOR UNDER ITEMS 555.09 AND 556.0202.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				RAILING AND MOMENT SLAB DETAILS	DRAWING NO. RAL-1
						SHEET NO. 16
		CITY OF RYE, WESTCHESTER COUNTY, NY				

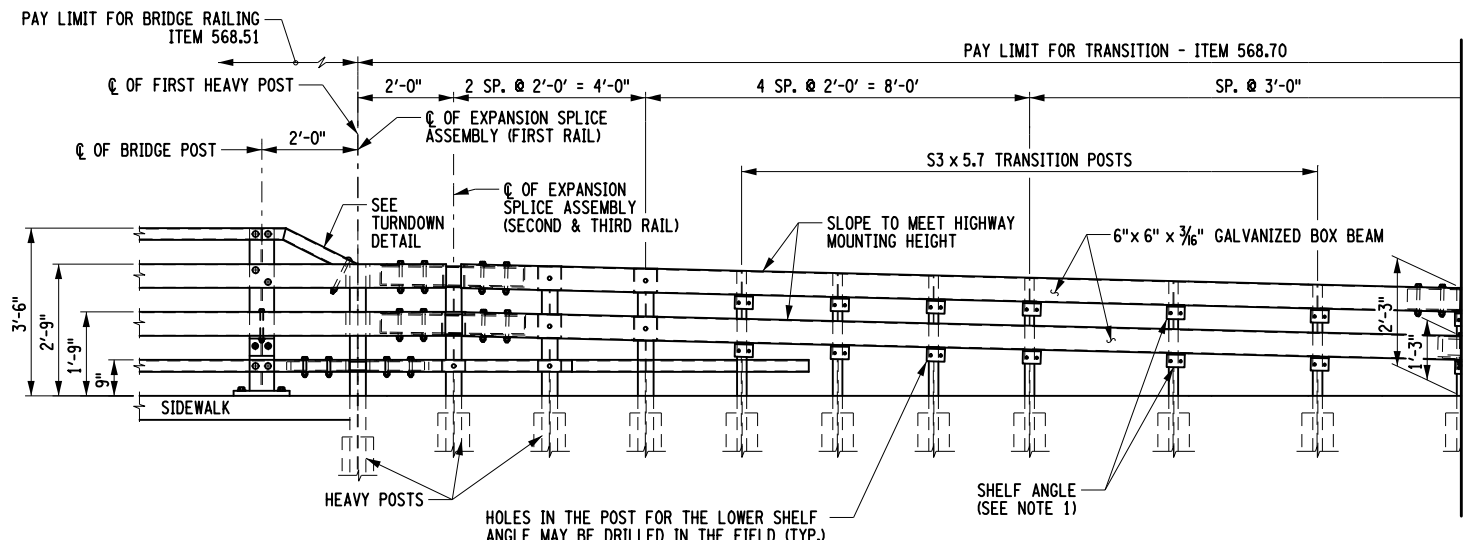
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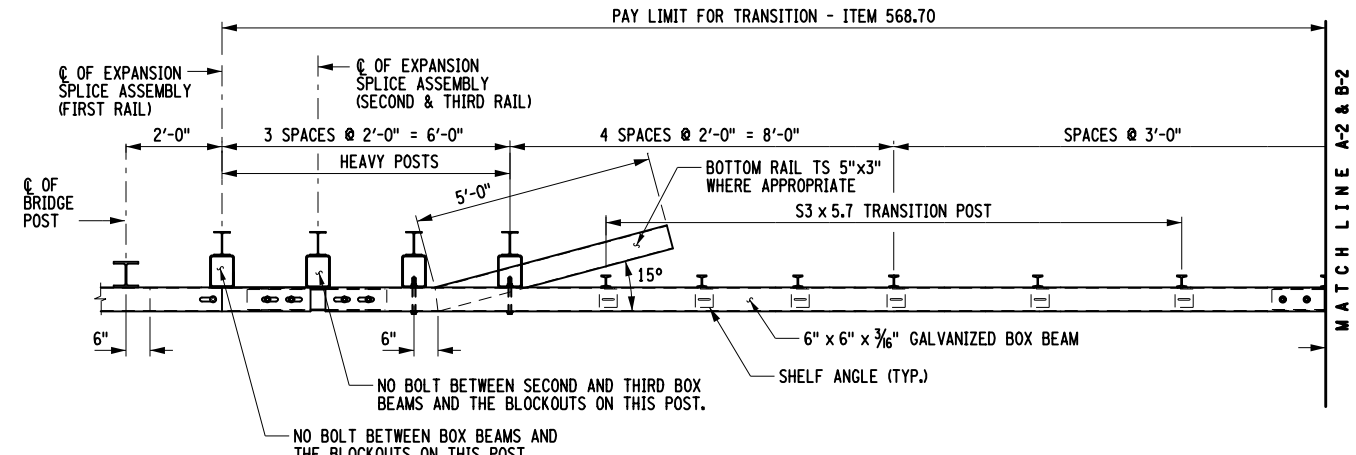
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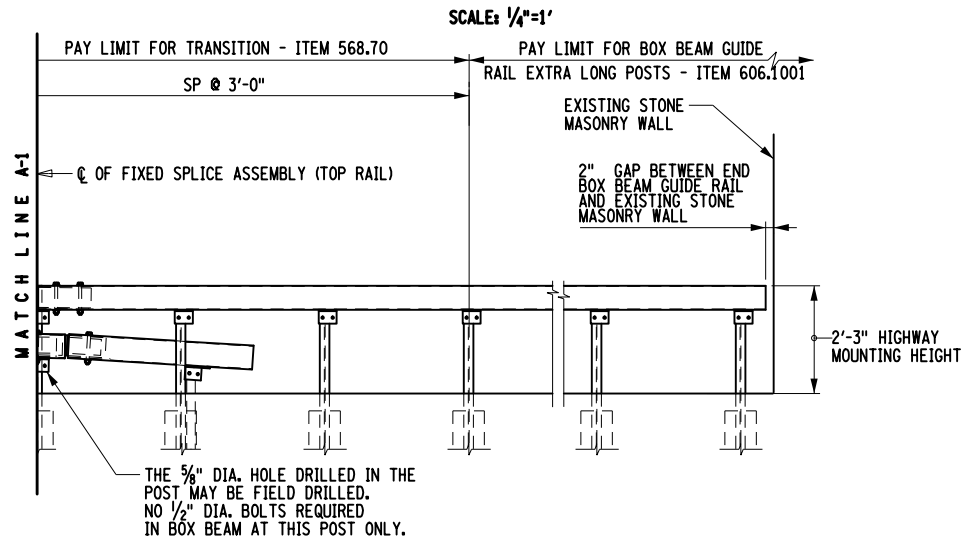
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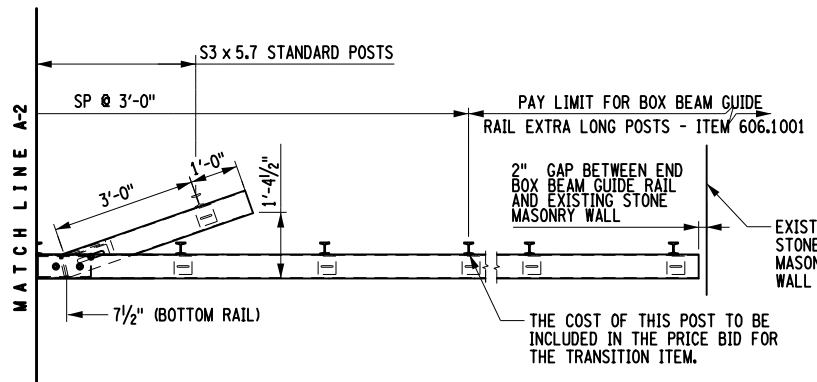
**ELEVATION - FOUR RAIL BRIDGE RAIL TO BOX BEAM GUIDE RAIL**



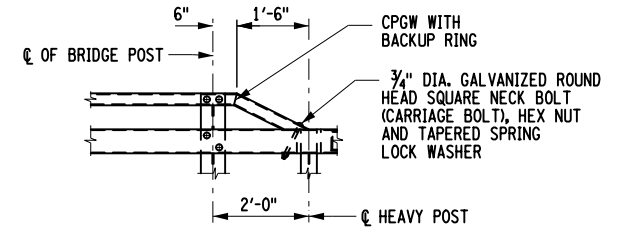
**PLAN - FOUR RAIL BRIDGE RAIL TO BOX BEAM GUIDE RAIL**



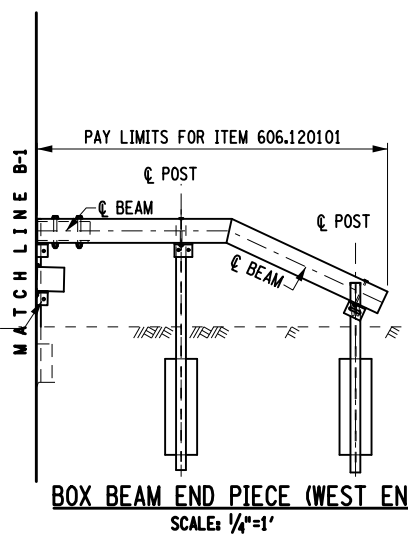
**BOX BEAM GUIDE RAILING ELEVATION - EAST END**



**BOX BEAM GUIDE RAILING PLAN - EAST END**



**TURNDOWN DETAIL**

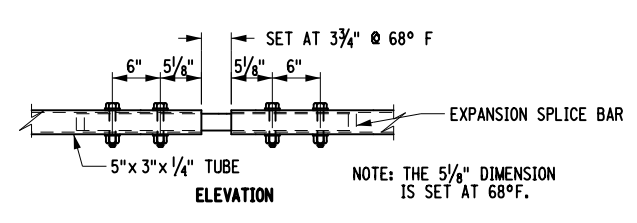
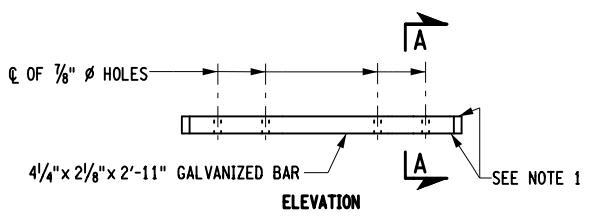
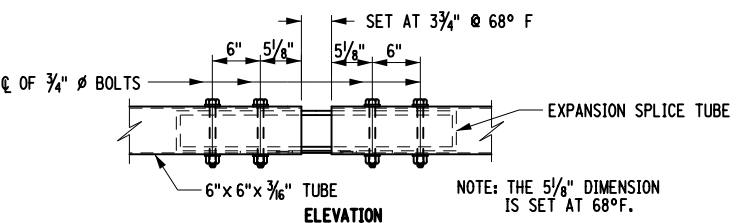
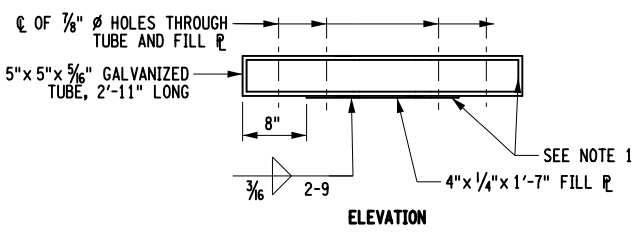
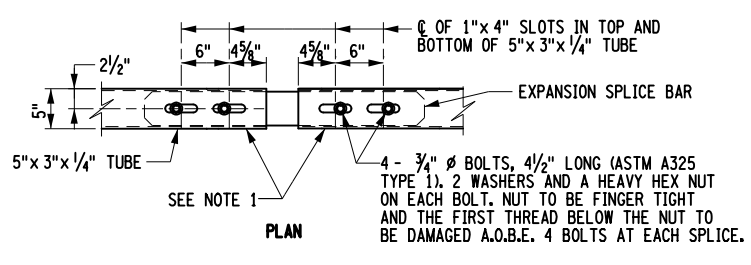
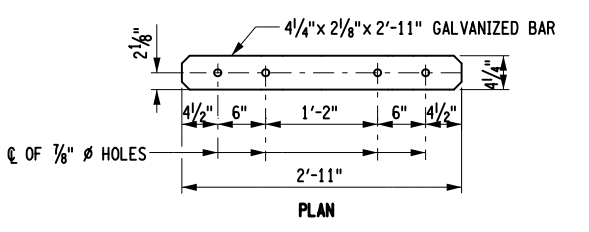
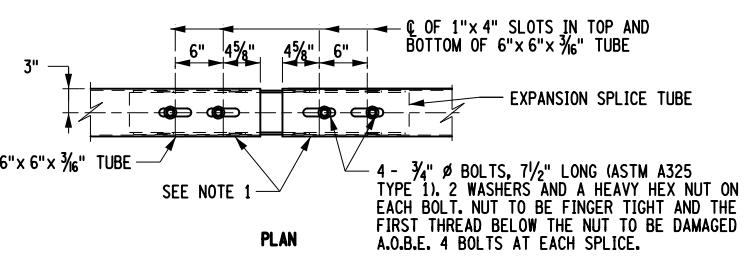
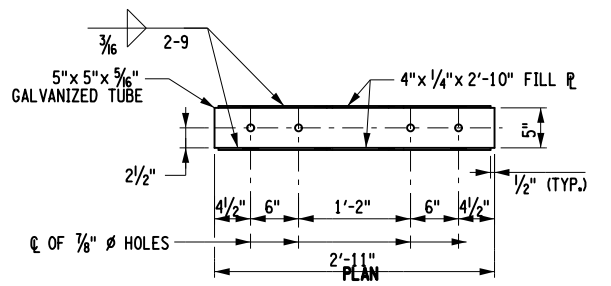


**BOX BEAM END PIECE (WEST END)**

- NOTES:
1. THE COST OF THE POSTS AND SPLICE TUBES SHALL BE INCLUDED IN THE PRICE BID FOR THE TRANSITION ITEM.
  2. FOR BOX BEAM GUIDE RAIL DETAILS, SEE NYS DOT STANDARD SHEET 606-04.
  3. FOR BOX BEAM END PIECE DETAILS SEE NYS DOT STANDARD SHEET 606-04.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMONT AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK					
	CITY OF RYE, WESTCHESTER COUNTY, NY					
<b>TRANSITION AND GUIDE RAIL DETAILS</b>						DRAWING NO. <b>RAL-2</b>
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						SHEET NO. <b>17</b>



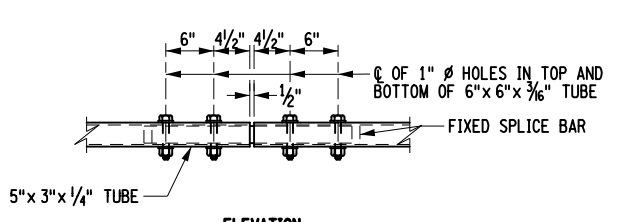
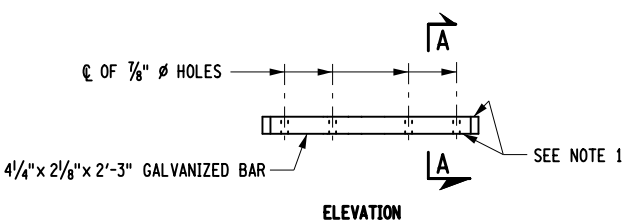
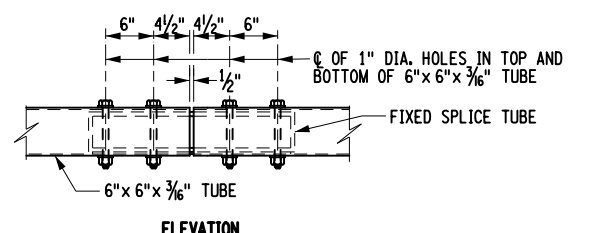
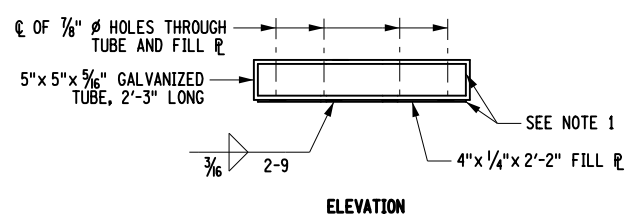
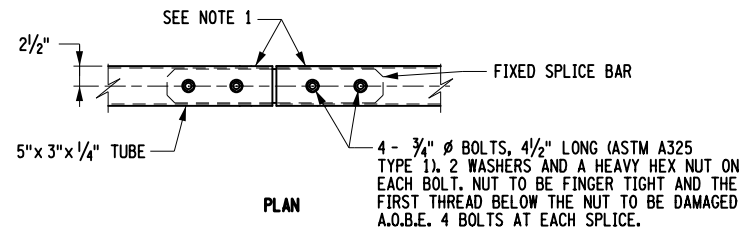
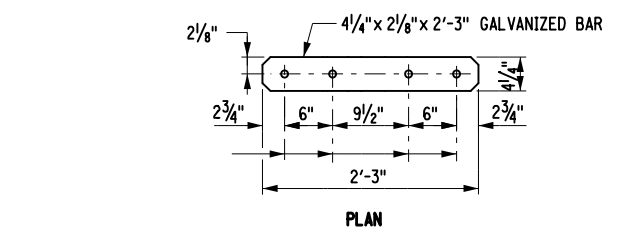
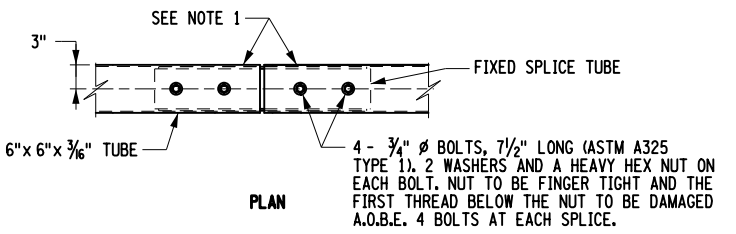
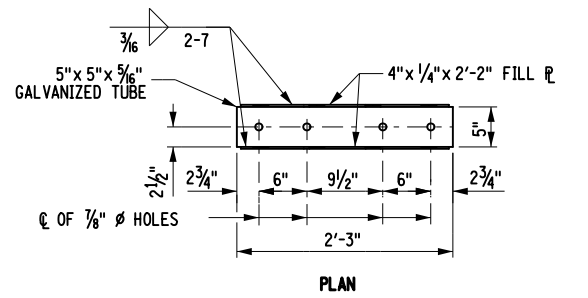


**EXPANSION SPLICE TUBE**  
 SCALE: 1/2"=1'

**EXPANSION SPLICE TUBE ASSEMBLY**  
 SCALE: 1/2"=1'

**EXPANSION SPLICE BAR**  
 SCALE: 1/2"=1'

**EXPANSION SPLICE BAR ASSEMBLY**  
 SCALE: 1/2"=1'

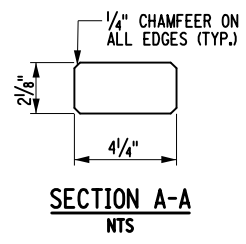


**FIXED SPLICE TUBE**  
 SCALE: 1/2"=1'

**FIXED SPLICE TUBE ASSEMBLY**  
 SCALE: 1/2"=1'

**FIXED SPLICE BAR**  
 SCALE: 1/2"=1'

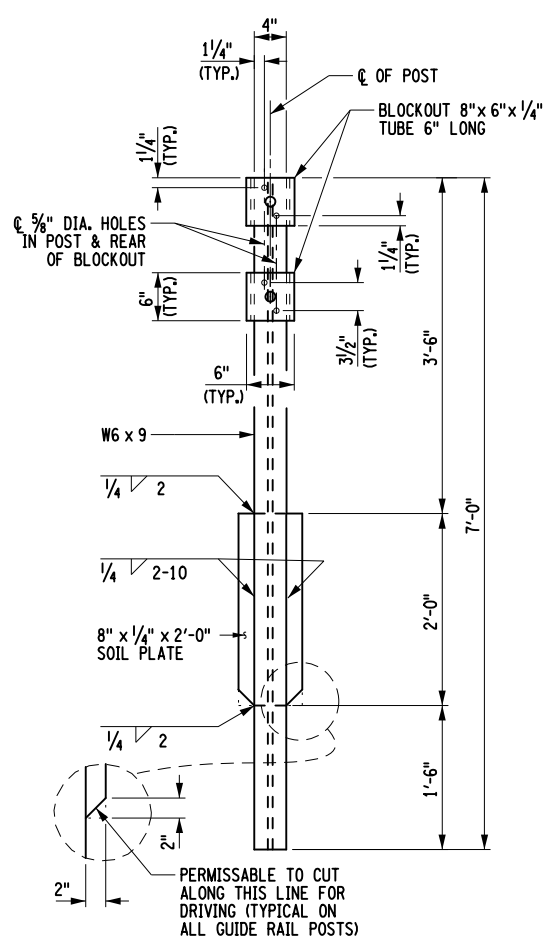
**FIXED SPLICE BAR ASSEMBLY**  
 SCALE: 1/2"=1'



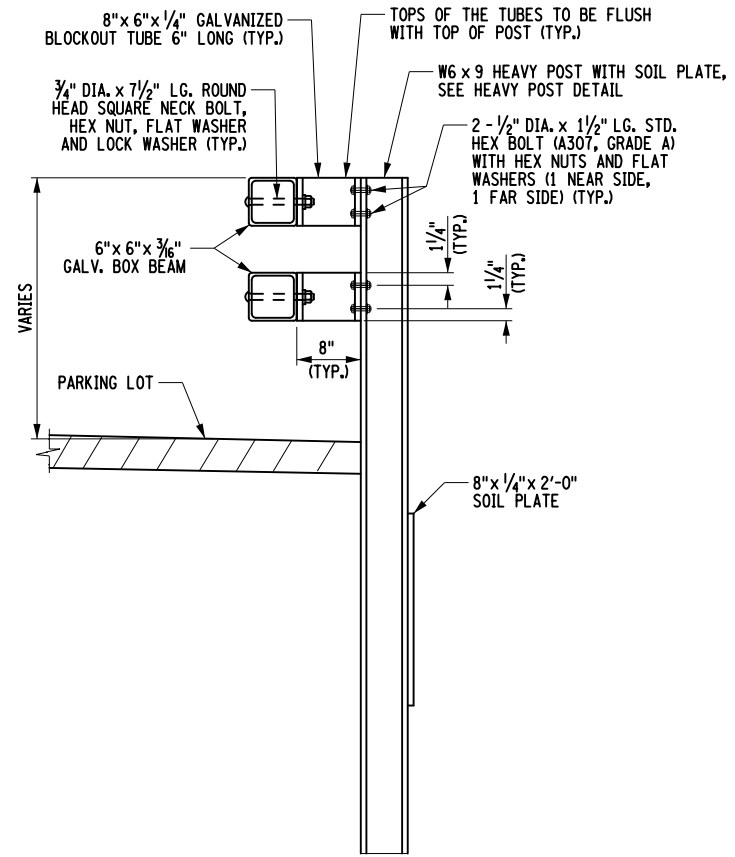
- NOTES:  
 1. PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				<b>TRANSITION AND GUIDE RAIL DETAILS</b>	DRAWING NO. <b>RAL-3</b>
						SHEET NO. <b>18</b>
	CITY OF RYE, WESTCHESTER COUNTY, NY					

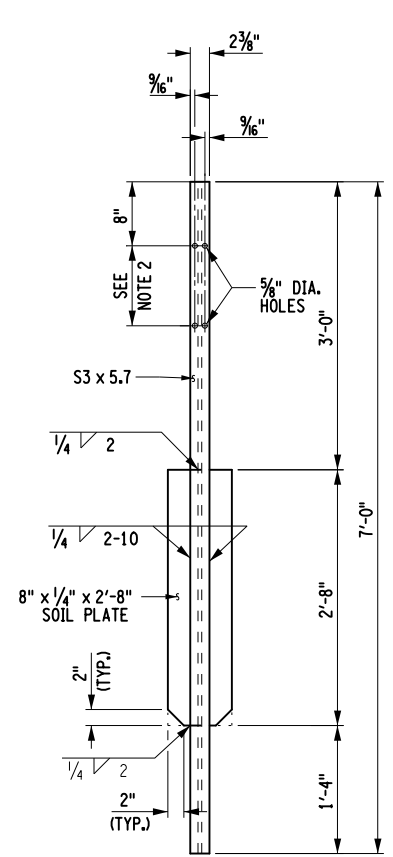
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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



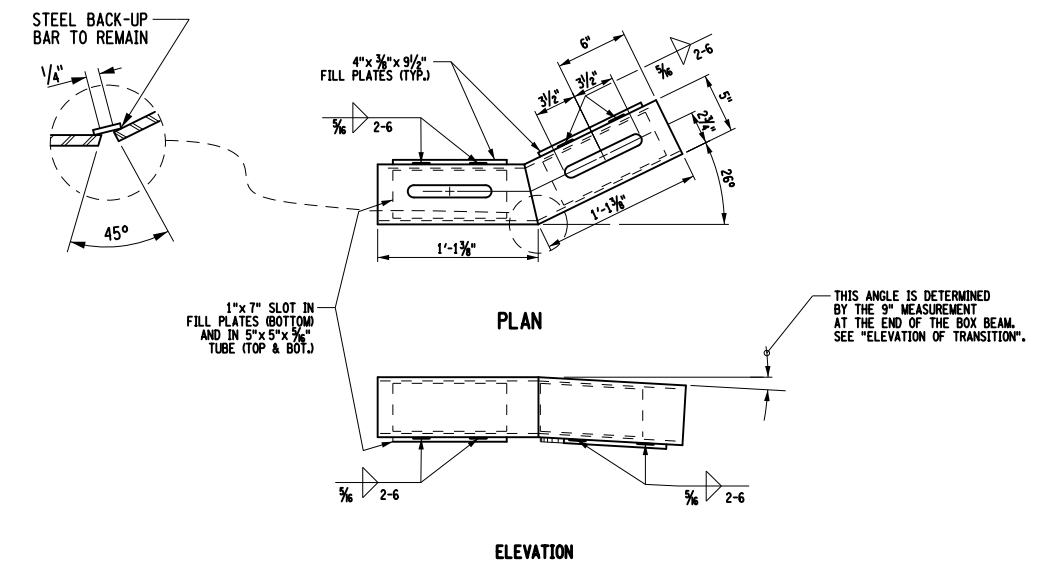
**HEAVY POST DETAIL**  
SCALE: 1/2"=1'



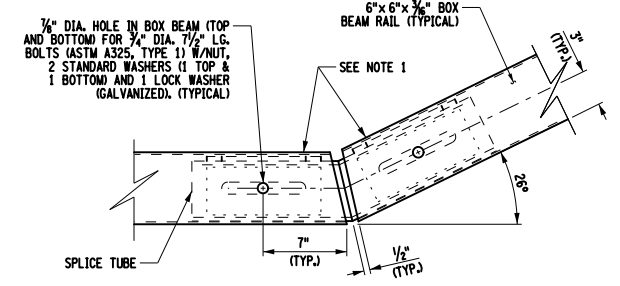
**HEAVY POST ELEVATION**  
SCALE: 1/2"=1'



**TRANSITION POST DETAIL**  
SCALE: 1/2"=1'



**SPLICE TUBE DETAILS FOR TURNBACK**  
SCALE: 1/4"=1'



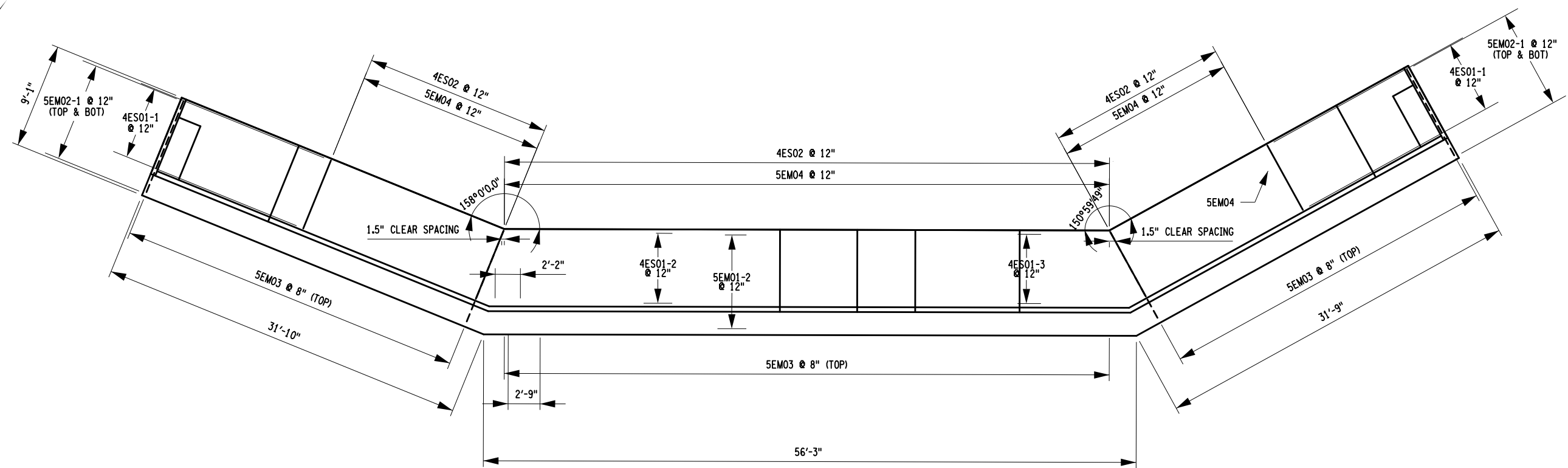
**SPLICE DETAIL AT TURN BACK IN LOWER TRANSITION GUIDE RAIL**  
SCALE: 1/4"=1'

- NOTES:
- PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.
  - HOLES IN THE POST FOR THE LOWER RAIL MAY BE LOCATED AND DRILLED IN THE FIELD. IF SO, THE GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.
  - THE COST OF THE POST WITH SOIL PLATE TO BE INCLUDED IN THE COST OF THE TRANSITION ITEM.

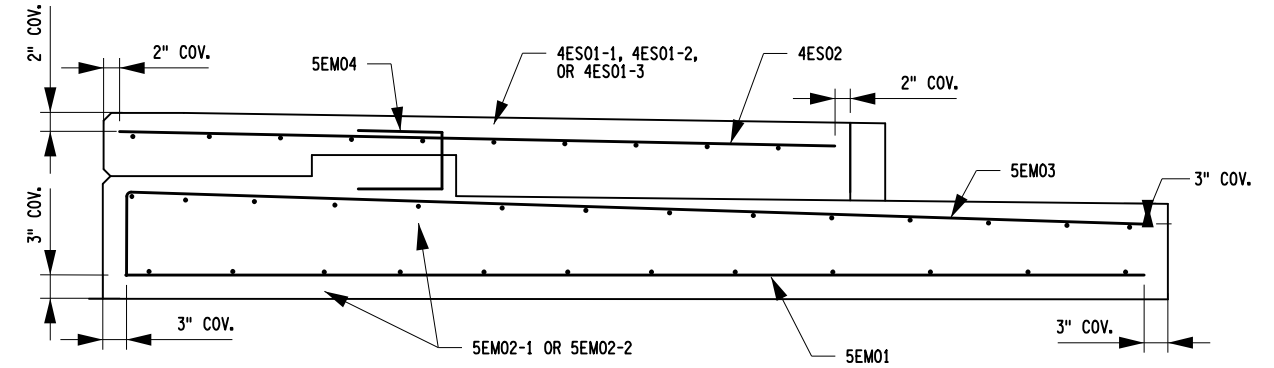
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				<b>TRANSITION AND GUIDE RAIL DETAILS</b>	DRAWING NO. <b>RAL-4</b>
	CITY OF RYE, WESTCHESTER COUNTY, NY					SHEET NO. <b>19</b>

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

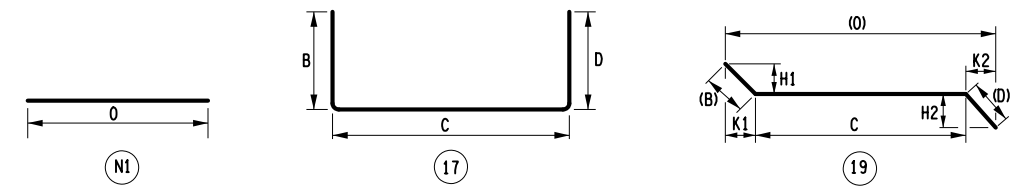
MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H1	H2	J	K1	K2	L	O	R
POUR 1																			
MOMENT SLAB																			
5EM01	168	8'- 7"	N1	1504.01														8'- 7"	
5EM02-1	18	36'- 4"	N1	682.06														36'- 4"	
5EM02-2	18	52'- 0"	N1	976.25															
5EM03	168	9'- 7"	19	1679.23		1'-0"	8'-5.5"	0'-0"				0'-11"	0'-0"		0'-1.5"	0'-0"		8'-7"	
5EM04	112	2'- 4 1/4"	17	274.83		0'-10.5"	0'-7"	0'-10.5"											
SUBTOTAL EPOXY BARS (LB) =				5117	THIS POUR														
POUR 2																			
SIDEWALK																			
4ES01-1	7	20'- 0"	N1	93.52														20'- 0"	
4ES01-2	7	24'- 4"	N1	113.81														24'- 4"	
4ES01-3	7	11'- 0"	N1	51.44														11'- 0"	
4ES02	112	6'- 4"	N1	473.83														6'- 4"	
SUBTOTAL EPOXY BARS (LB) =				733	THIS POUR														



SCALE: 1"=10'



NTS



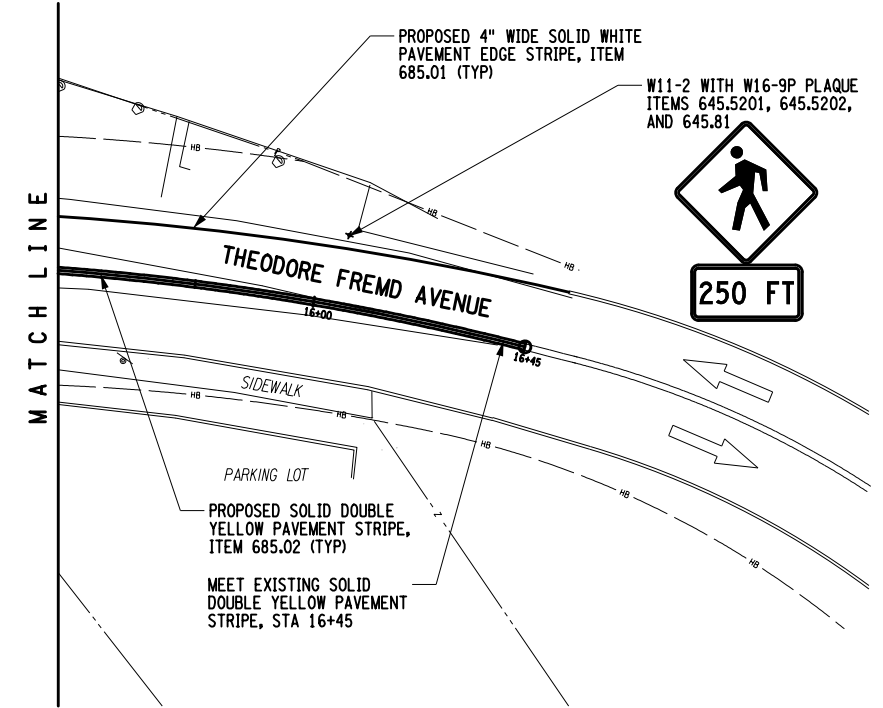
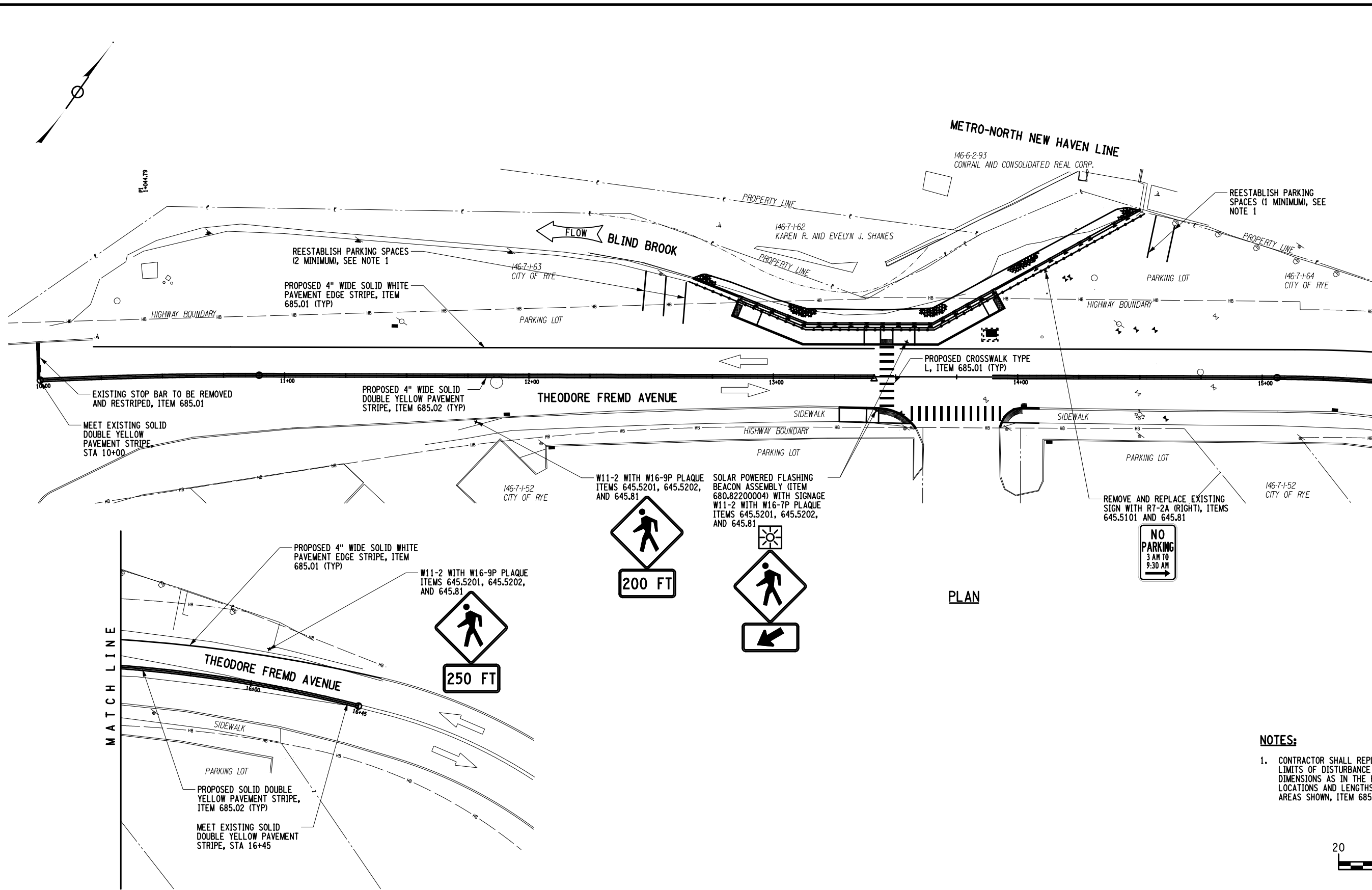
BAR BENDS  
NTS

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				<b>BAR LIST AND BAR BENDING DIAGRAM</b>	DRAWING NO. BAR
	CITY OF RYE, WESTCHESTER COUNTY, NY					SHEET NO. 20

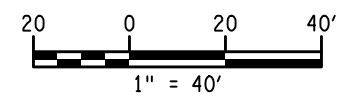
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT,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

FILE NAME = DATE: 1/26/2022 10:12:36 AM  
 USER = PLOTTED BY: USNS04286

DESIGN SUPERVISOR DW JOB MANAGER NCS DESIGN FD CHECK MM DRAFTING EG CHECK JH PROJECT MANAGER NCS



- NOTES:**
- CONTRACTOR SHALL REPLACE PARKING LINES WITHIN LIMITS OF DISTURBANCE TO THE SAME SIZE AND DIMENSIONS AS IN THE EXISTING CONDITION. APPROXIMATE LOCATIONS AND LENGTHS WITHIN EXPECTED DISTURBED AREAS SHOWN, ITEM 685.01

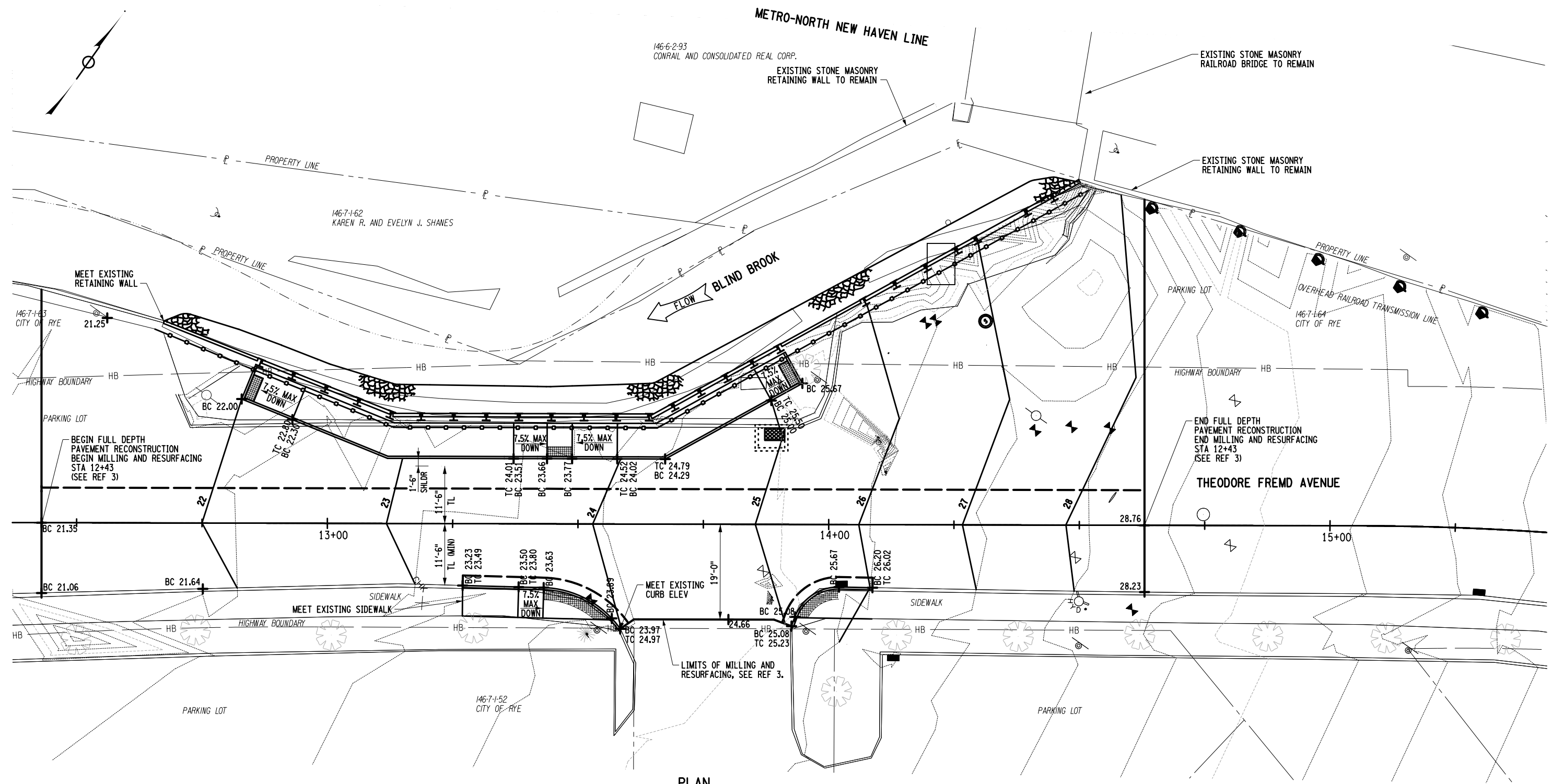


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				<b>SIGNING AND STRIPING PLAN</b>	DRAWING NO. SSP
						SHEET NO. 21
	CITY OF RYE, WESTCHESTER COUNTY, NY					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						

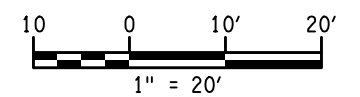



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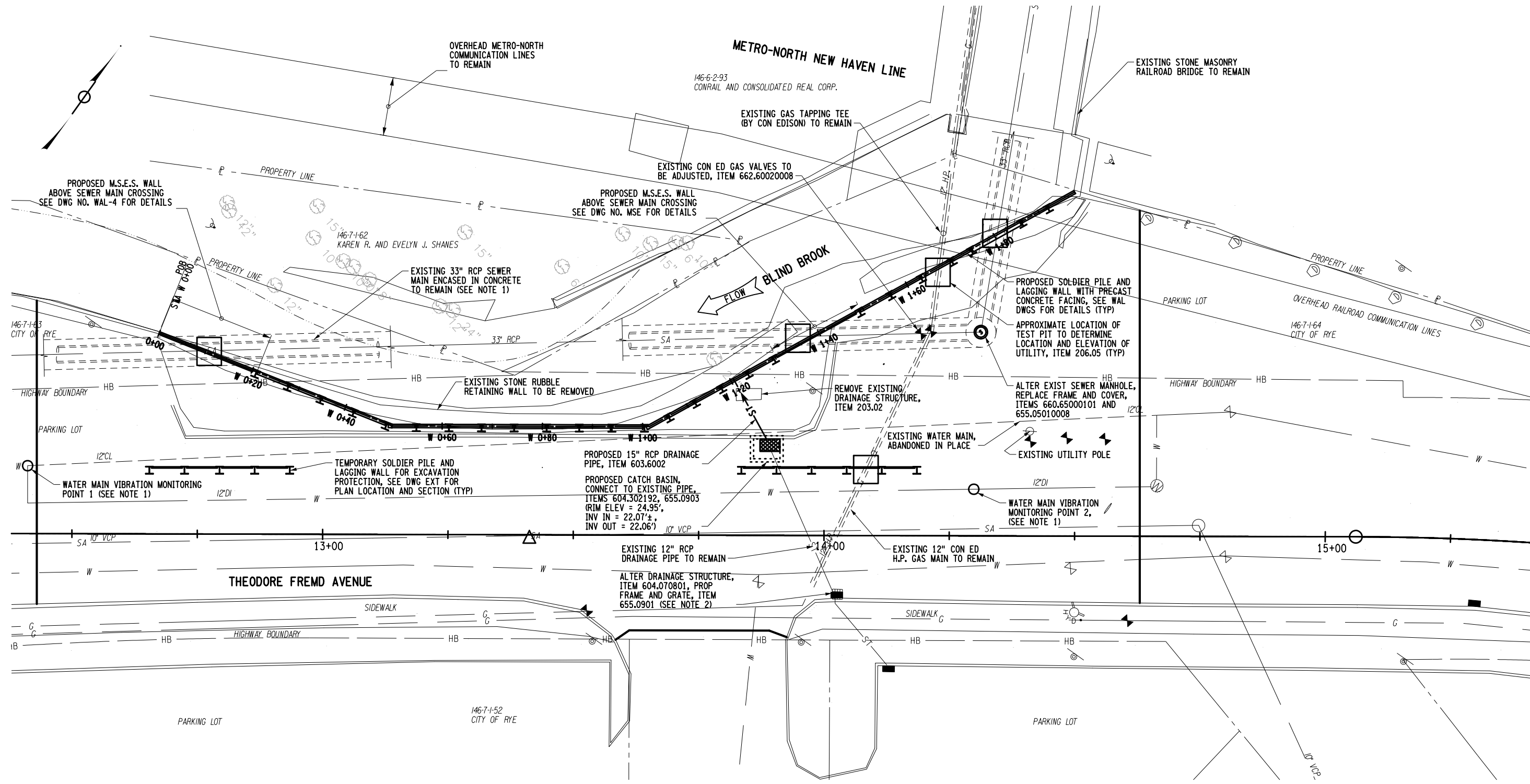


PLAN



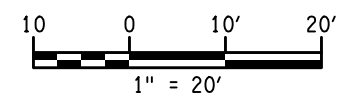
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK					<b>GRADING PLAN</b>
		CITY OF RYE, WESTCHESTER COUNTY, NY				
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FILE NAME = DATE: 1/26/2022 10:13:04 AM  
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 DESIGN SUPERVISOR DW  
 JOB MANAGER NCS  
 DESIGN FD  
 CHECK MM  
 DRAFTING EG  
 CHECK JH  
 PROJECT MANAGER NCS



PLAN

- NOTES:**
- CONTRACTOR SHALL ESTABLISH A VIBRATION MONITORING PROGRAM THROUGHOUT CONSTRUCTION COLLECTING DATA AT THE LOCATIONS INDICATED FOR THE FOLLOWING UTILITY LINES:
    - WCDEF 33" RCP SEWER MAIN
    - SUEZ 12" DI WATER MAIN
 IF VIBRATIONS EXCEED 2 IN/SEC, WORK MUST BE STOPPED AND A NEW PROTECTION PLAN SUBMITTED. WORK SHALL BE PAID FOR UNDER ITEM 634.99020017.
  - CONTRACTOR SHALL VERIFY IN FIELD SIZE OF EXISTING CATCH BASIN PRIOR TO PLACING ORDER FOR PROPOSED FRAME AND GRATE. REMOVAL AND DISPOSAL OF THE EXISTING FRAME AND GRATE (INCLUDING CURB BOX) SHALL BE INCLUDED IN THE ALTER DRAINAGE STRUCTURE ITEM.
  - UTILITY HARDWARE (AND QUANTITIES) WITHIN PAVING LIMITS SHALL BE ADJUSTED TO PROPOSED SURFACE ELEVATION UNDER THE FOLLOWING ITEMS:
    - WATER ITEM 663.33 (2)
    - GAS ITEM 662.60020008 (8)
    - SEWER ITEM 660.65000101 (1)



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	REPLACEMENT OF THE THEODORE FREMD AVENUE RETAINING WALL	PIN 8701.43	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	ALONG THE BLIND BROOK				<b>UTILITY PLAN</b>	DRAWING NO. UTL
	CITY OF RYE, WESTCHESTER COUNTY, NY					SHEET NO. 23
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						

