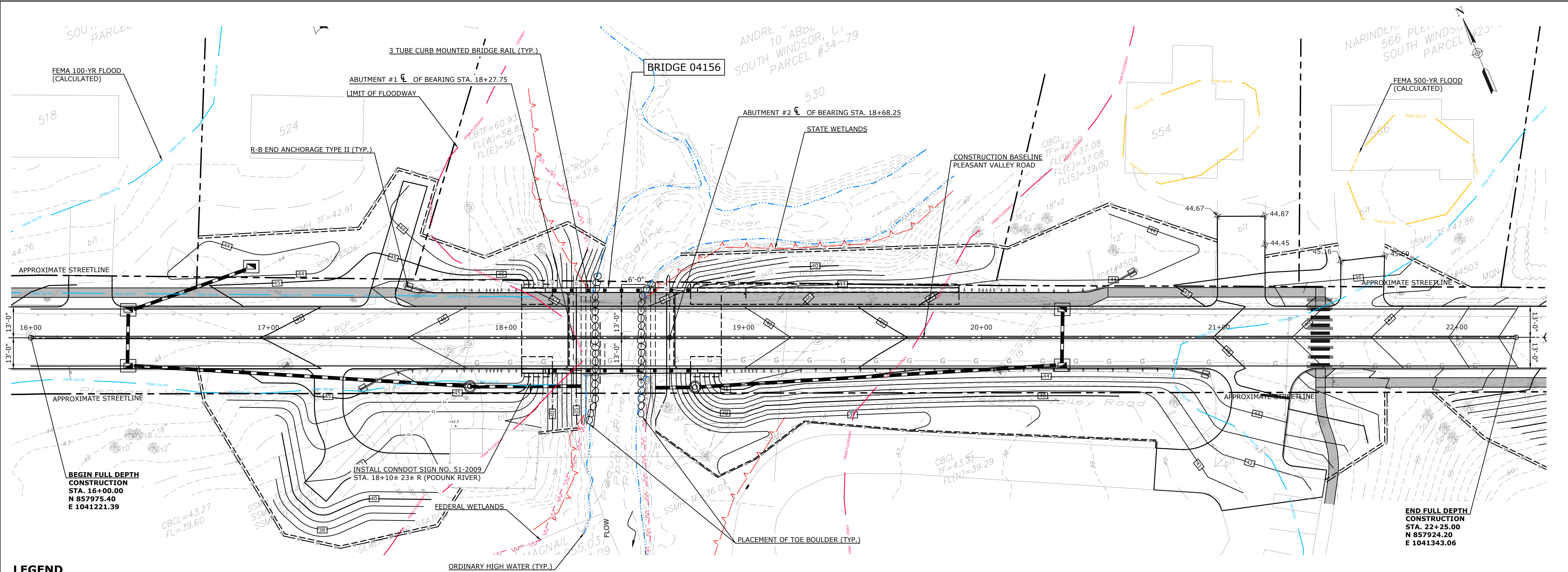




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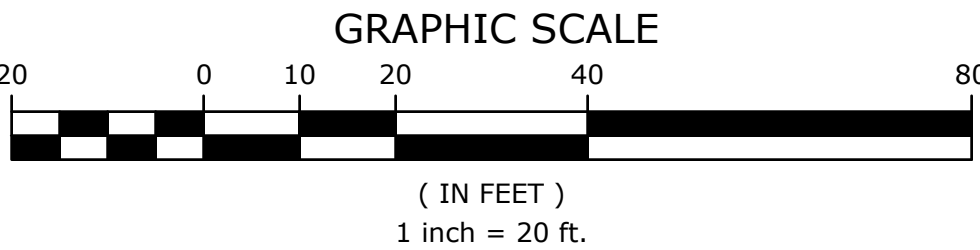
- SF — SF — SF — SEDIMENTATION CONTROL SYSTEM (SCS)
- — — — — ORDINARY HIGH WATER (OHW)
- — — — — STATE WETLANDS
- — — — — FEDERAL WETLANDS
- — — — — LIMIT OF FLOODWAY
- — — — — FEMA 100-YR FLOOD (CALCULATED)
- — — — — FEMA 500-YR FLOOD (CALCULATED)

GENERAL SITE PLAN

SCALE: 1" = 20'

FISHERIES NOTES:

1. IT IS IMPORTANT THAT PROPER EROSION AND SEDIMENTATION CONTROLS BE INSTALLED AND MAINTAINED THROUGHOUT THE DURATION OF THIS PROJECT. CARE SHOULD BE EXERCISED SO AS NOT TO INCREASE TURBIDITY LEVELS. AS A BEST MANAGEMENT PRACTICE, ANY UNCONFINED INSTREAM WORK WITHIN THE SAUGATUCK RIVER SHOULD BE RESTRICTED TO THE PERIOD FROM JUNE 1 TO SEPTEMBER 30, INCLUSIVE.



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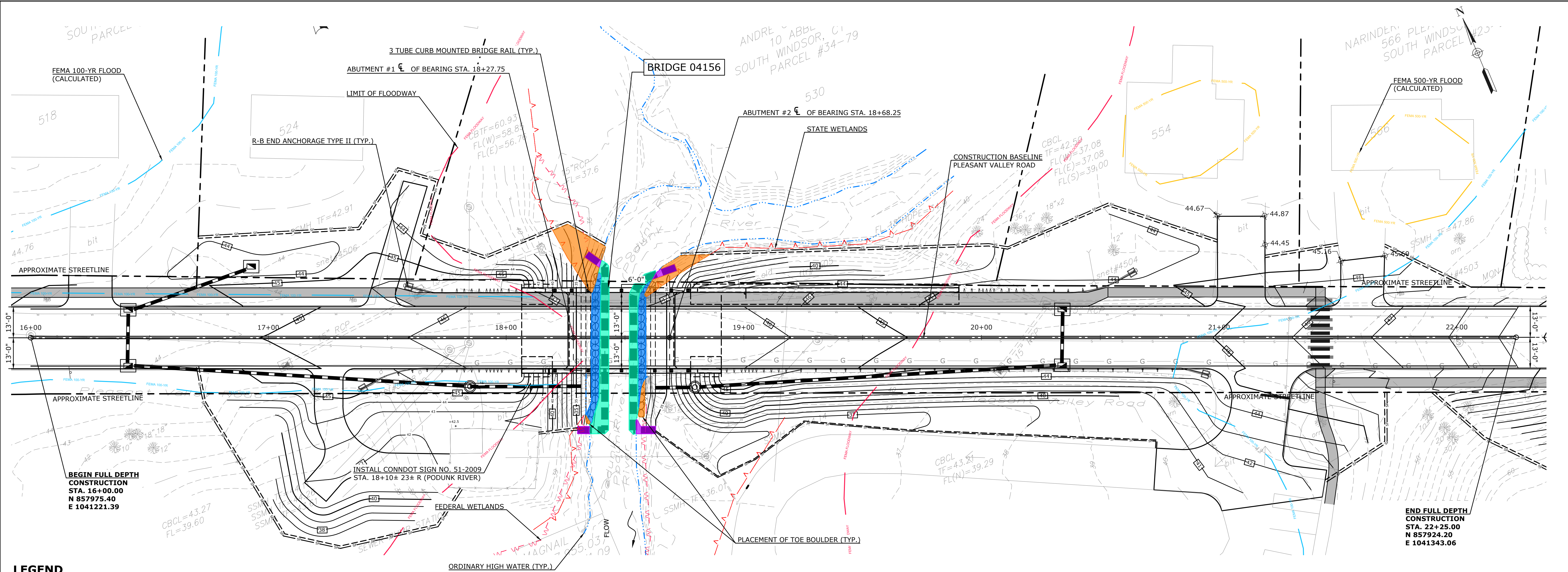


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PREPARED FOR
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1540 SULLIVAN AVENUE
SOUTH WINDSOR, CT 06074

REPLACEMENT OF BRIDGE 04156 PLEASANT VALLEY ROAD OVER PODUNK RIVER ROADWAY PLAN					SHEET 2	
D — PLEASANT VALLEY — ENV — 21119.10 —					SIZE	7
PROJECT	FILE NAME	NUMBER	REV.	OF		



LEGEND

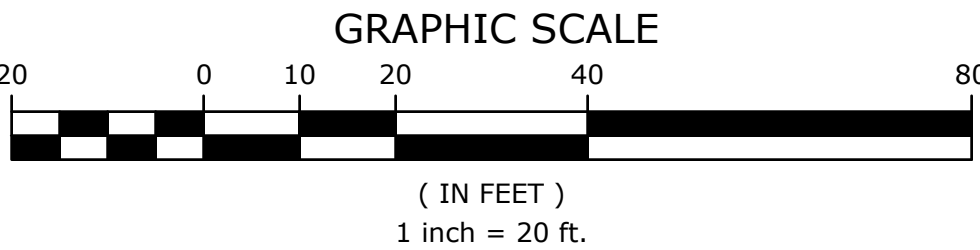
- SF SF SF SEDIMENTATION CONTROL SYSTEM (SCS)
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- STATE WETLANDS
- FEDERAL WETLANDS
- FEMA FLOODWAY
- LIMIT OF FLOODWAY
- FEMA 100-YR FLOOD (CALCULATED)
- FEMA 500-YR FLOOD (CALCULATED)
- PERMANENT WATERCOURSE IMPACTS
- TEMPORARY WATERCOURSE IMPACTS
- PERMANENT WETLAND IMPACTS
- TEMPORARY WETLAND IMPACTS

WETLAND/WATERCOURSE IMPACT PLAN

SCALE: 1" = 20'

STATE WETLAND AND WATERCOURSE IMPACT TABLE				
	WETLAND SITE NO.	STATE WETLAND IMPACTS	WATERCOURSE IMPACTS	TOTAL
PERMANENT IMPACTS	1	439 S.F. (0.010 AC.)	344 S.F. (0.0079 AC.)	783 S.F. (0.018 AC.)
TEMPORARY IMPACTS	1	94 S.F. (0.0022 AC.)	560 S.F. (0.0129 AC.)	654 S.F. (0.0150 AC.)
TOTAL IMPACTS		533 S.F. (0.0122 AC.)	904 S.F. (0.0208 AC.)	1437 S.F. (0.033 AC.)

FEDERAL WETLAND AND WATERCOURSE IMPACT TABLE				
	WETLAND SITE NO.	FEDERAL WETLAND IMPACTS	WATERCOURSE IMPACTS	TOTAL
PERMANENT IMPACTS	1	107 S.F. (0.0025 AC.)	344 S.F. (0.0079 AC.)	451 S.F. (0.0103 AC.)
TEMPORARY IMPACTS	1	40 S.F. (0.0009 AC.)	560 S.F. (0.0129 AC.)	600 S.F. (0.0137 AC.)
TOTAL IMPACTS		147 S.F. (0.0034 AC.)	904 S.F. (0.0208 AC.)	1051 S.F. (0.024 AC.)



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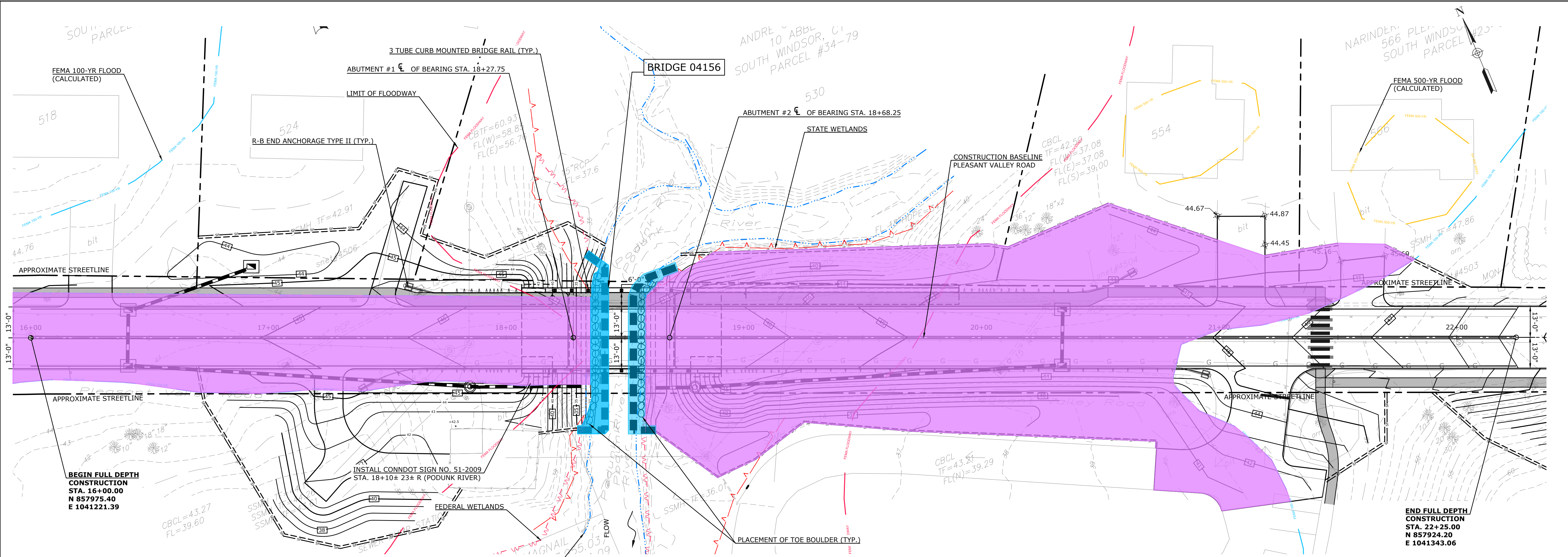
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**REPLACEMENT OF BRIDGE 04156
PLEASANT VALLEY ROAD OVER PODUNK RIVER
ROADWAY PLAN**

D - PLEASANT VALLEY	ENV	21119.10	SHEET	3
SIZE	PROJECT	FILE NAME	NUMBER	REV.
				OF
				7

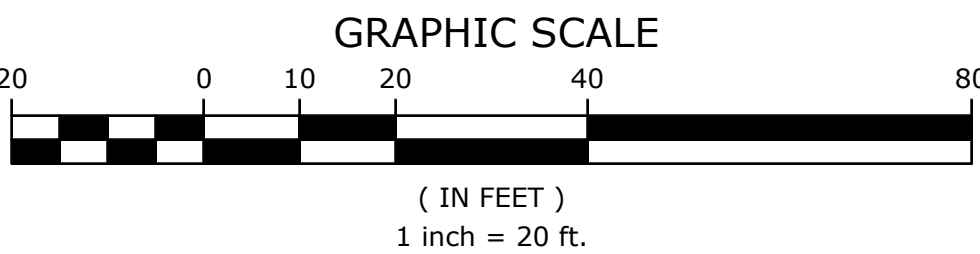


LEGEND

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- — — — — ORDINARY HIGH WATER (OHW)
- — — — — STATE WETLANDS
- — — — — FEDERAL WETLANDS
- — — — — FEMA FLOODWAY
- — — — — LIMIT OF FLOODWAY
- — — — — FEMA 100-YR FLOOD (CALCULATED)
- — — — — FEMA 500-YR FLOOD (CALCULATED)
- PERMANENT FLOOD IMPACTS
- TEMPORARY FLOOD IMPACTS

100-YEAR FLOOD IMPACT PLAN
SCALE: 1" = 20'

100-YEAR FLOODPLAIN IMPACTS CUT & FILL	
VOLUME IMPACTS	
EXCAVATION IN FLOODPLAIN	FILL IN FLOODPLAIN
16 C.Y.	64 C.Y.



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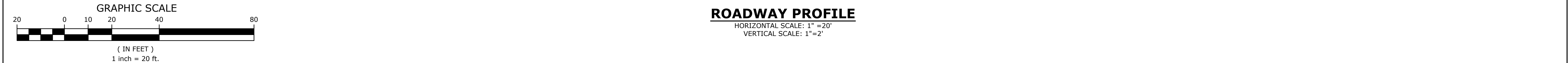
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REPLACEMENT OF BRIDGE 04156
PLEASANT VALLEY ROAD OVER PODUNK RIVER
ROADWAY PLAN

D — PLEASANT VALLEY — ENV — 21119.10 —
SIZE PROJECT FILE NAME NUMBER REV. OF

SHEET 4
7



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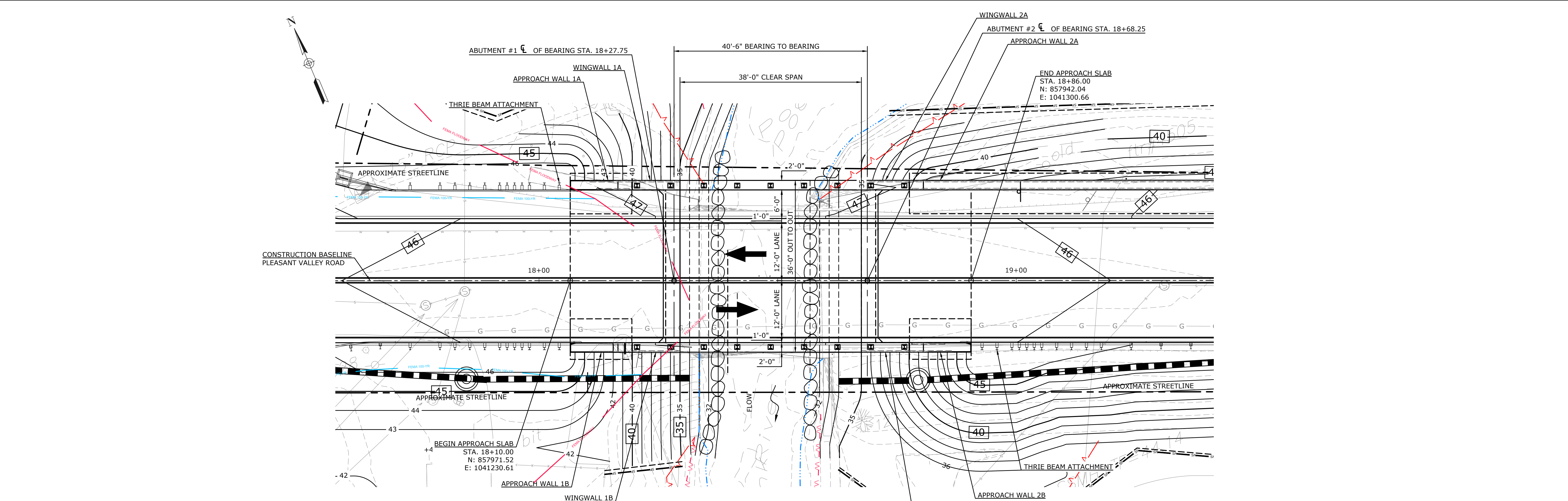
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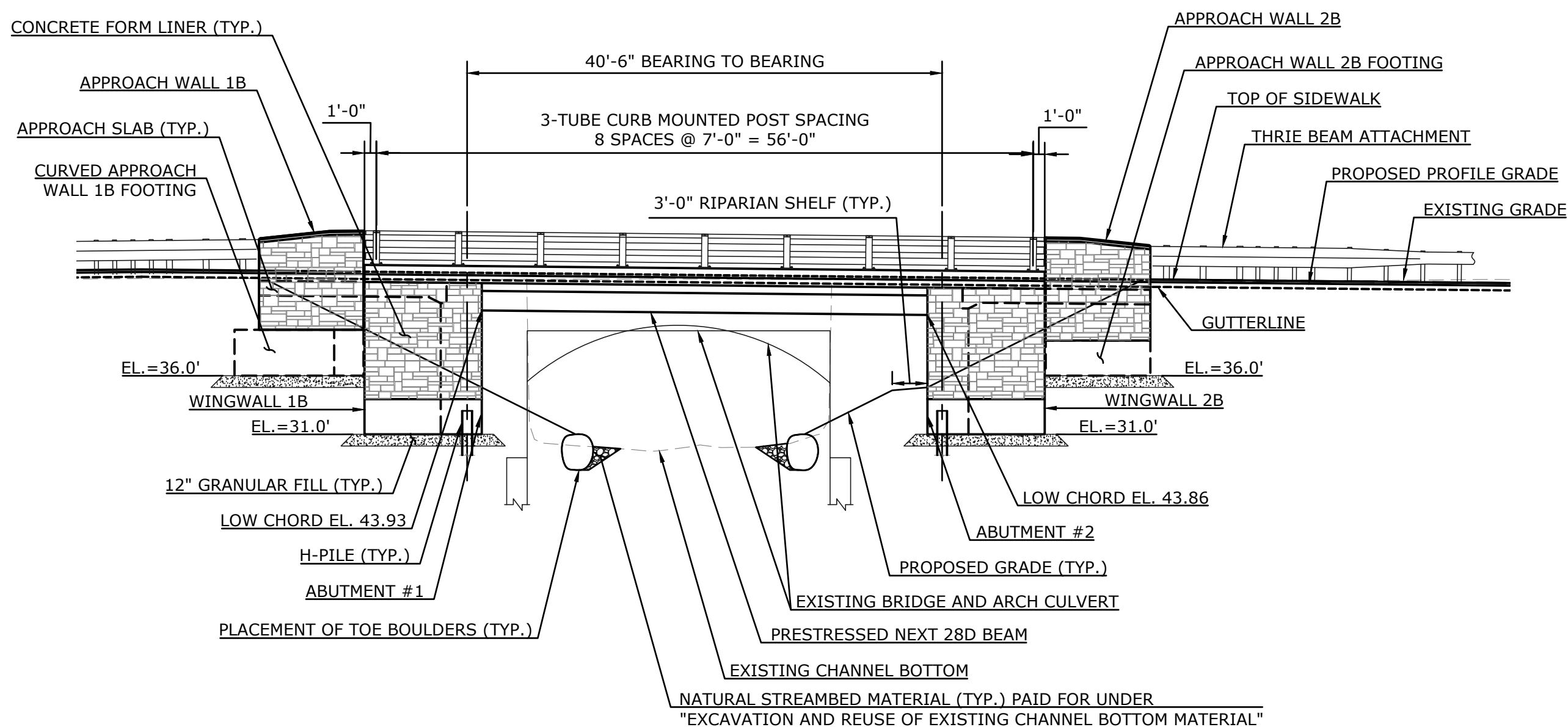
REPLACEMENT OF BRIDGE 04156
PLEASANT VALLEY ROAD OVER PODUNK RIVER
ROADWAY PROFILE

D - PLEASANT VALLEY - ENV - 21119.10 -	SHEET 5
SIZE PROJECT FILE NAME NUMBER REV.	OF 7



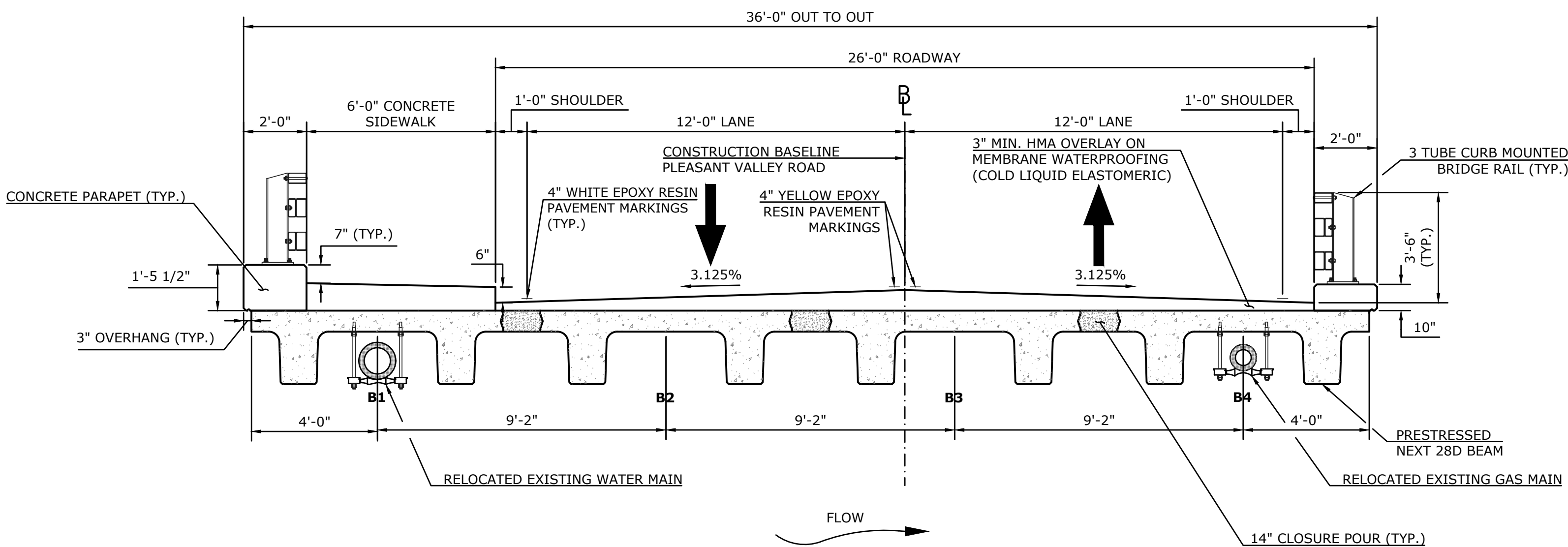
ALTERNATIVE II - STRUCTURAL PLAN

SCALE: 1" = 10'-0"



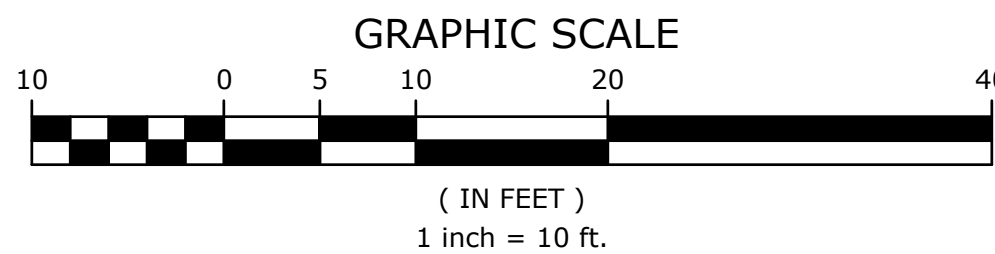
ALTERNATIVE II - STRUCTURAL ELEVATION
(LOOKING UPSTREAM)

SCALE: 1" = 10'-0"



ALTERNATIVE II - SECTION

SCALE: 1" = 3'-0"



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REPLACEMENT OF BRIDGE 04156
PLEASANT VALLEY ROAD OVER PODUNK RIVER
STRUCTURE PLAN, ELEVATION AND SECTION

D	PLEASANT VALLEY	ENV	21119.10	SHEET	6
SIZE	PROJECT	FILE NAME	NUMBER	REV.	OF
					7

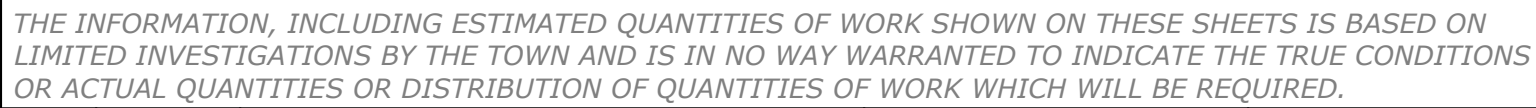
1. INSTALL NECESSARY EROSION AND SEDIMENTATION CONTROLS.
2. PERFORM NECESSARY CLEARING AND GRUBBING.
3. COORDINATE RELOCATION OF EXISTING UTILITIES (REFER TO UTILITY RELOCATION PLANS).
4. INSTALL TEMPORARY TRAFFIC BARRIERS AND CLOSE PLEASANT VALLEY ROAD TO TRAFFIC.
5. INSTALL DEBRIS SHIELD (MIN. ELEVATION 37'). PAID FOR UNDER ITEM "REMOVAL OF SUPERSTRUCTURE".
6. REMOVE EXISTING SUPERSTRUCTURE. THE CONTRACTOR SHALL PREVENT DEBRIS, TOOLS, AND/OR OTHER MATERIALS FROM ENTERING INTO OR DROPPING INTO THE WATERWAY ADJACENT TO THE STRUCTURE. ALL DEBRIS DROPPED INTO THE WATERWAY SHALL BE PROMPTLY CLEANED UP AND REMOVED FROM THE SITE AT THE SOLE EXPENSE OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE MUNICIPALITY.
7. INSTALL TEMPORARY WATER-HANDLING-COFFERDAMS AS SHOWN AND MAINTAIN FLOW THROUGH BRIDGE 04155. THE MAXIMUM WATER-HANDLING-COFFERDAM ELEVATION SHALL BE XXX FEET WHICH SHALL PROVIDE PROTECTION FOR THE 2 YEAR STORM DISCHARGE WITH XX FEET OF FREEBOARD. THE MINIMUM WATER-HANDLING-COFFERDAM ELEVATION SHALL BE XX FEET.
8. INSTALL DEWATERING BASIN. EFFLUENT FROM DEWATERED WORK AREA(S) SHALL NOT BE DISCHARGED DIRECTLY TO THE STREAM BUT MUST BE PROCESSED THROUGH TREATMENT STRUCTURE(S). SUCH STRUCTURE(S) SHOULD NOT BE LOCATED WITHIN THE STREAM CHANNEL OR ADJACENT WETLANDS. SEE WATER HANDLING NOTES.
9. ANY SURFACE RUNOFF OR GROUNDWATER DISCHARGING INTO A CONFINED WORK AREA SHALL BE DIVERTED OR PUMPED OUTSIDE THE CONFINED AREAS. THE CONTRACTOR SHALL SUBMIT THE MEANS AND METHODS OF HANDLING THE DISCHARGE TO THE ENGINEER FOR APPROVAL. WORK PAID UNDER "HANDLING WATER".
10. THE INSTALLATION, MAINTENANCE AND REMOVAL OF THE PROPOSED SETTLING BASIN SHALL BE PAID FOR UNDER ITEM "HANDLING WATER".
11. REMOVE EXISTING WINGWALLS AND ABUTMENTS IN THEIR ENTIRETY OR A MINIMUM OF 2 FEET BELOW PROPOSED CHANNEL GRADE.
12. INSTALL MICROPILES, ABUTMENTS AND WINGWALLS.
13. INSTALL TOE BOULDERS, ROUNDED RIPRAP AND BACKFILL AS NOTED BELOW.

14. INSTALL APPROACH WALLS AND COMPLETE ABUTMENT AND DECK CONSTRUCTION.
15. BACKFILL AS NOTED AND COMPLETE ROUNDED RIPRAP AND EMBANKMENT GRADING.
16. REMOVE WATER-HANDLING-COFFERDAMS.
17. COMPLETE REMAINING ROADWAY WORK.
18. MAINTAIN NECESSARY EROSION AND SEDIMENTATION CONTROLS.
19. THE SEDIMENTATION CONTROL SYSTEM IS TO BE REMOVED AFTER IMPACTED AREAS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.

AVERAGE DAILY FLOW	XX C.F.S.
AVERAGE SPRING FLOW	XX C.F.S.
2 YEAR FREQUENCY DISCHARGE	XX C.F.S.
TEMPORARY DESIGN DISCHARGE	XX C.F.S.
TEMPORARY DESIGN FREQUENCY	2 YEAR
TEMPORARY WATER SURFACE ELEVATION UPSTREAM	XX FT.
TEMPORARY WATER SURFACE ELEVATION DOWNSTREAM	XX FT.

SPECIES OF SPECIAL CONCERN: CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE SPECIAL PROVISION " SECTION 1.10 - ENVIRONMENTAL COMPLIANCE".

1. THE CONTRACTOR SHALL MAINTAIN WATER THROUGH THE WATER-HANDLING-COFFERDAMS AS SHOWN DURING CONSTRUCTION OF BRIDGE 04156.
2. EQUIPMENT SHALL NOT BE PERMITTED IN THE STREAM WHEN WATER-HANDLING-COFFERDAMS ARE NOT IN PLACE WITHOUT THE APPROVAL OF THE ENGINEER.
3. PRIOR TO ANY DETERMINING, THE CONTRACTOR MUST SUBMIT TO THE ENGINEER A WRITTEN PROPOSAL FOR SPECIFIC METHODS AND DEVICES TO BE USED AND MUST OBTAIN THE ENGINEER'S WRITTEN APPROVAL OF SUCH METHODS AND DEVICES.
4. WATER-HANDLING-COFFERDAMS SHALL CONSIST OF ANY APPROVED SYSTEM THAT THE CONTRACTOR ELECTS TO USE WHICH WILL SAFELY PROTECT THE CONSTRUCTION AREA FROM THE TEMPORARY DESIGN DISCHARGE ELEVATION, SHALL BE ABLE TO SUPPORT CONSTRUCTION ACTIVITY AND EXCAVATION, AND SHALL CONFORM TO PERMITS.



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