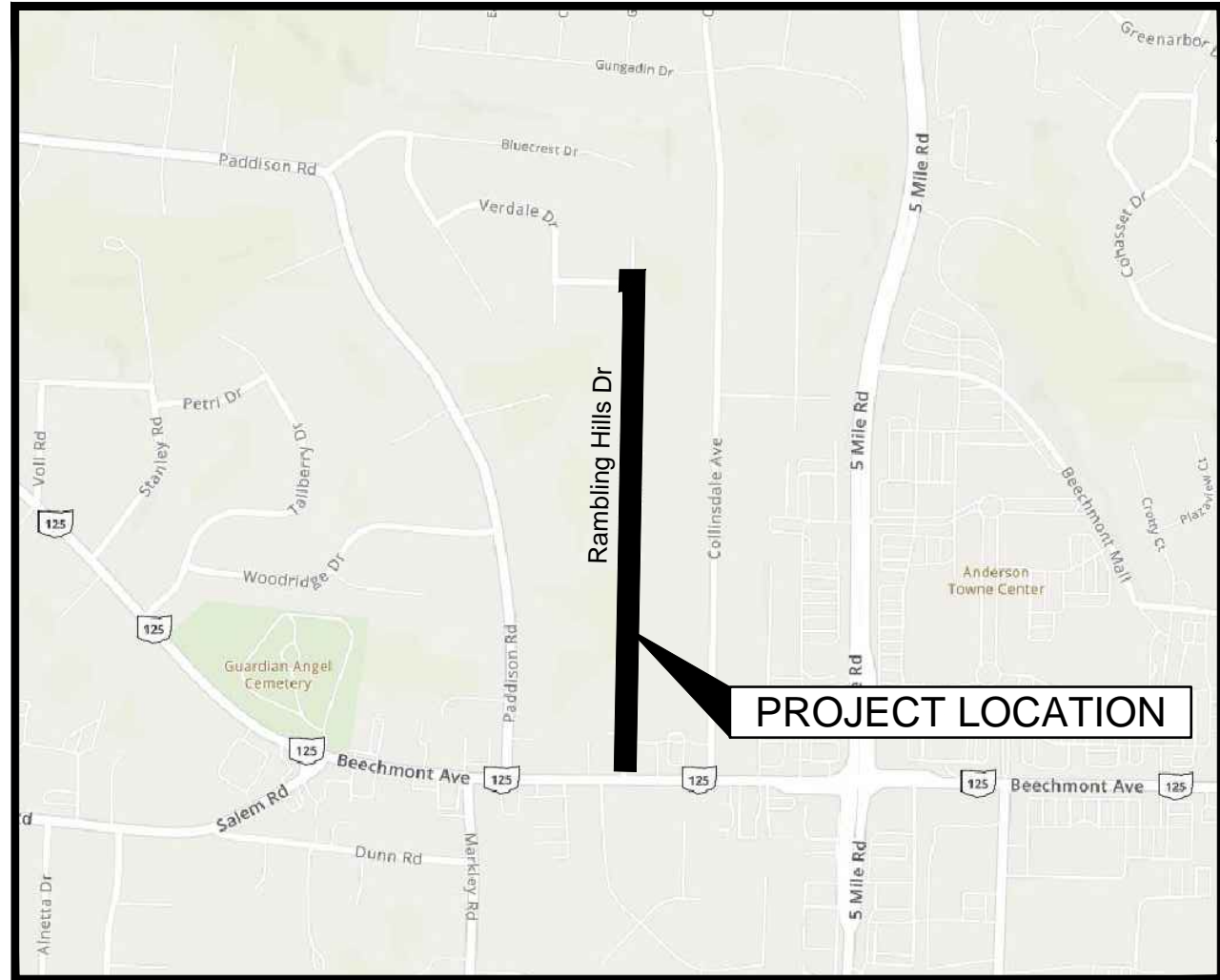


RAMBLING HILLS SIDEWALK

ANDERSON TOWNSHIP HAMILTON COUNTY, OHIO



VICINITY MAP
NOT TO SCALE

PROJECT DESCRIPTION

THIS PROJECT INCLUDES CONSTRUCTION OF APPROXIMATELY 2500' OF SIDEWALK ON RAMBLING HILLS DRIVE IN ANDERSON TOWNSHIP, OHIO. ASSOCIATED IMPROVEMENTS INCLUDE ADDITIONAL PAVEMENT MARKINGS AND SIGNAGE.

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS PROJECT.

PROJECT EARTH DISTURBED AREA:	0.82 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A ACRES

INDEX OF SHEETS

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SCHEMATIC LAYOUT	2
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PLAN AND PROFILE	6-10
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TRAFFIC CONTROL	24-26

LEGEND

- LIGHT POLE
- UTILITY POLE
- GUY WIRE
- ELECTRIC MANHOLE
- ELECTRICAL BOX
- TRAFFIC SIGNAL POLE
- GAS VALVE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- WATER MANHOLE
- TELEPHONE BOX
- TRAFFIC SIGNAL BOX
- SIGN (1 POST)
- SIGN (2 POST)
- TREE
- BUSH
- MAILBOX
- GUARD POST
- FENCE LINE
- WATERLINE
- UNDERGROUND GASLINE
- FIBER OPTIC
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- UNDERGROUND TELECOM
- SWALE
- FLOW ARROW
- CONSTRUCTION LIMITS

UNDERGROUND UTILITIES

Contact Two Working Days
Before You Dig



OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

STANDARD CONSTRUCTION DRAWINGS

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	
BP-3.1	1/21/22					800	5/2/2022
BP-4.1	1/19/13					832	10/19/2018
BP-5.1	7/15/22						
BP-7.1	1/21/22						
MT-101.90	7/17/20						
MT-105.10	1/17/20						
TC-41.20	10/18/13						
TC-41.30	10/18/13						
TC-42.20	10/18/13						
TC-52.20	1/15/21						
TC-74.10	1/21/22						

PLAN INSERT SHEETS

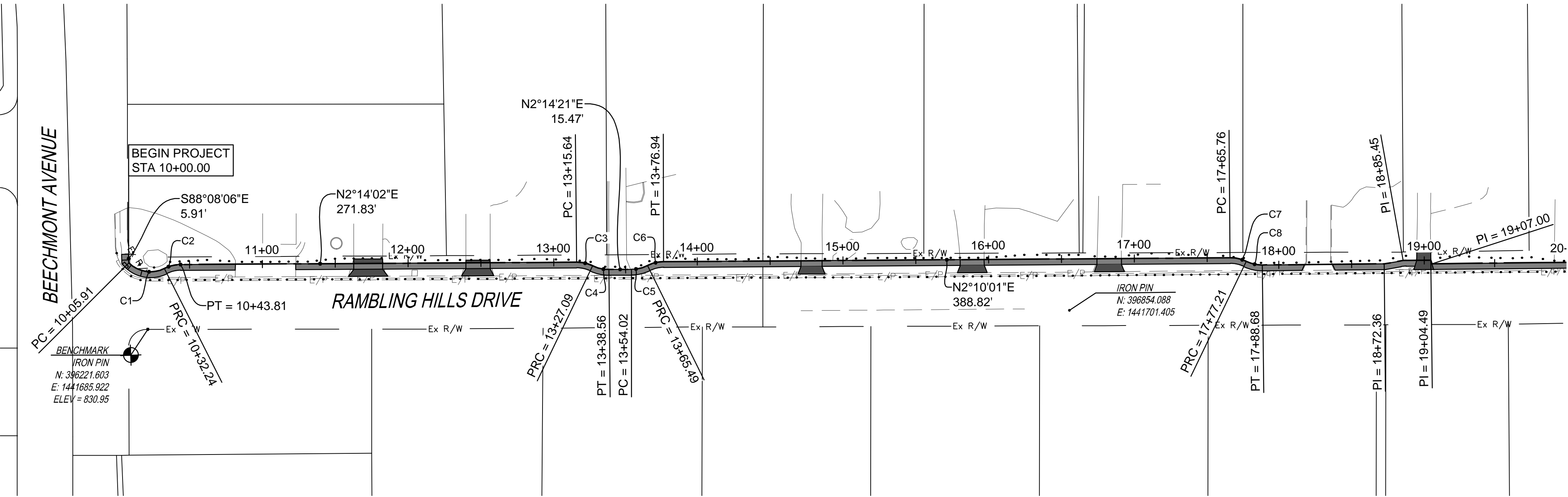
ENGINEER'S SEAL: ROADWAY

PLANS PREPARED BY:



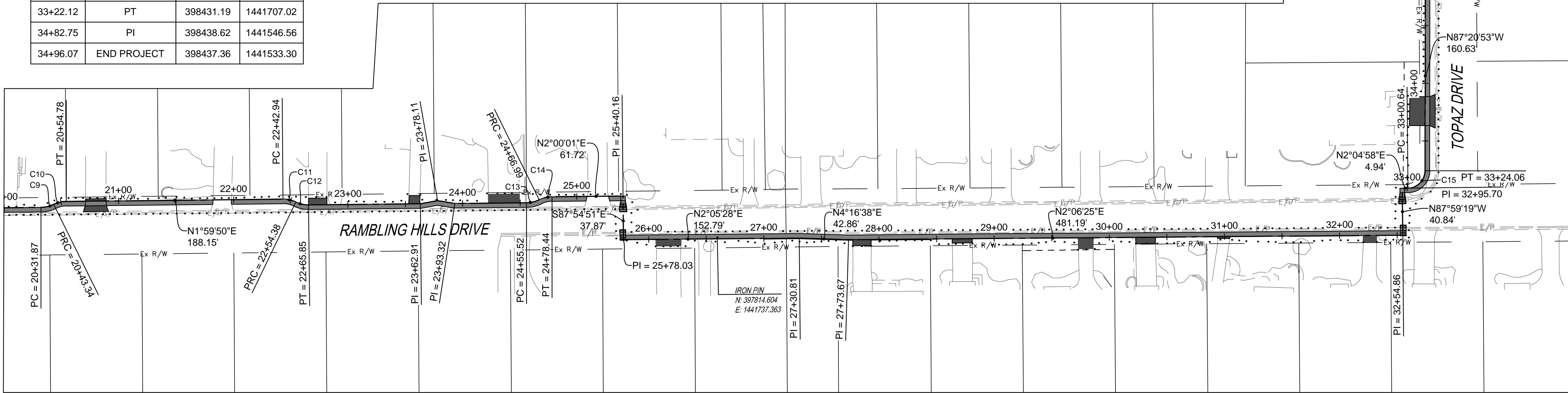
CIVIL ENGINEERING
SURVEYING
LANDSCAPE
ARCHITECTURE
www.kleingers.com
6219 Centre Park Dr.
West Chester, OH 45069
513.779.7851

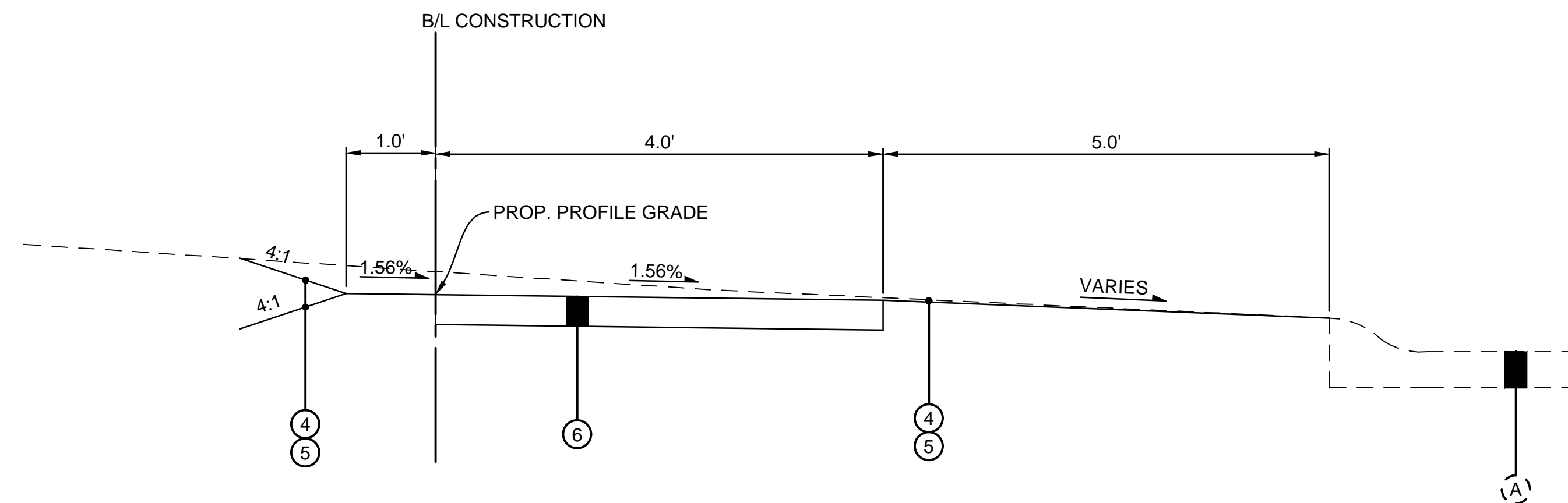
BL CONSTRUCTION RAMBLING HILLS			
STATION	DESCRIPTION	NORTHING	EASTING
10+00.00	BEGIN PROJECT	396210.85	1441633.87
10+05.91	PC	396210.65	1441639.78
10+32.24	PRC	396234.78	1441644.75
10+43.81	PT	396246.04	1441642.56
13+15.64	PC	396517.66	1441653.16
13+27.09	PRC	396528.61	1441656.13
13+38.56	PT	396539.59	1441659.09
13+54.02	PT	396555.04	1441659.70
13+65.49	PR	396566.22	1441657.60
13+76.94	PT	396577.37	1441655.50
17+65.76	PC	396965.91	1441670.21
17+77.21	PRC	396976.86	1441673.17
17+88.68	PT	396987.84	1441676.14
18+65.83	PC	397228.93	1441684.81
18+72.36	PI	397071.47	1441679.15
18+77.30	PRC	397240.11	1441682.72
18+85.45	PI	397084.45	1441677.45
18+88.75	PT	397251.26	1441680.62
19+04.49	PI	397103.48	1441678.10
19+07.00	PI	397104.14	1441680.52
22+41.00	PC	397439.30	1441687.18
22+52.44	PRC	397450.25	1441690.15
22+63.92	PT	397461.23	1441693.12
23+60.97	PI	397558.22	1441696.49
23+76.17	PI	397573.30	1441694.51
23+91.38	PI	397588.20	1441697.53
24+53.59	PC	397650.37	1441699.69
24+65.06	PRC	397661.55	1441697.60
24+76.50	PT	397672.70	1441695.50
25+38.22	PI	397734.38	1441697.66
25+75.09	PI	397733.00	1441735.50
27+28.87	PI	397885.69	1441741.07
27+71.73	PI	397928.42	1441744.27
32+52.92	PI	398409.29	1441761.96
32+93.76	PI	398410.72	1441721.14
33+22.12	PT	398431.19	1441707.02
34+82.75	PI	398438.62	1441546.56
34+96.07	END PROJECT	398437.36	1441533.30



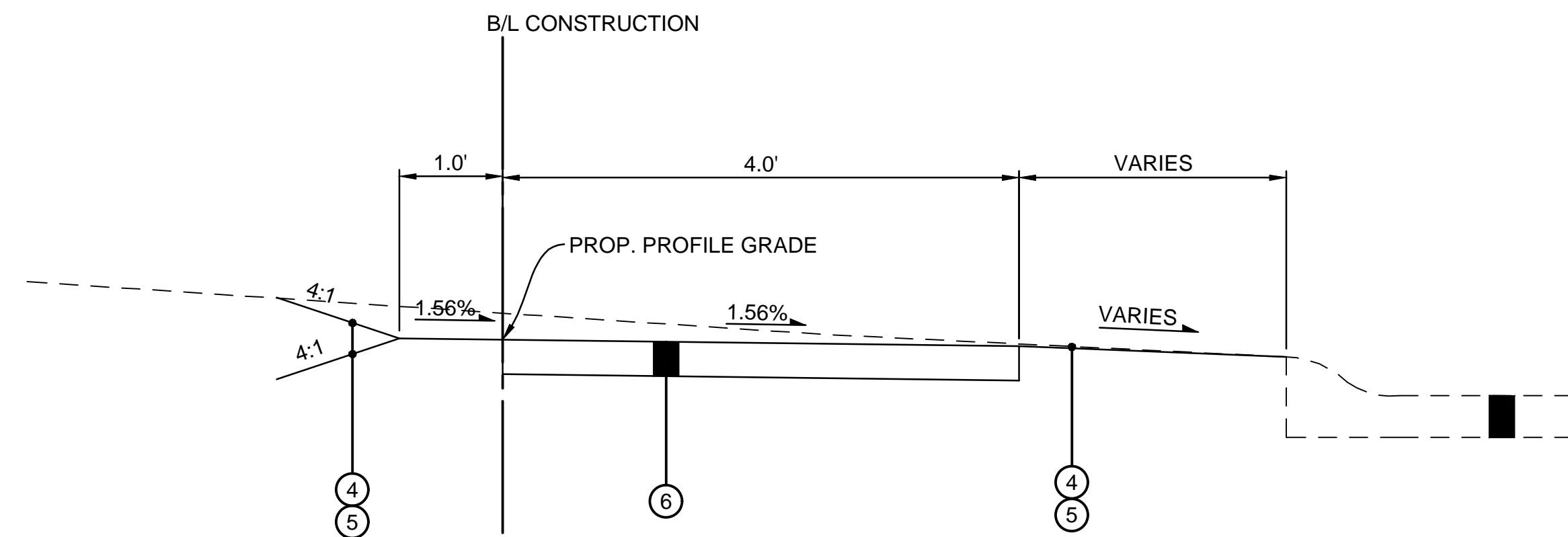
CURVE DATA C1: N:396226.15 E:1441625.61 L=26.33' R=21.00' T=15.21' =71°49'32"	CURVE DATA C2: N:396245.06 E:1441667.54 L=11.57' R=25.00' T=5.89' =26°30'30"	CURVE DATA C3: N:396516.77 E:1441678.14 L=11.45' R=25.00' T=5.83' =26°14'04"	CURVE DATA C4: N:396540.46 E:1441634.11 L=11.47' R=25.00' T=5.84' =26°17'18"	CURVE DATA C5: N:396556.14 E:1441634.72 L=11.47' R=25.00' T=5.84' =26°17'18"	CURVE DATA C6: N:396576.30 E:1441680.48 L=11.45' R=25.00' T=5.83' =26°14'04"	CURVE DATA C7: N:396965.02 E:1441695.19 L=11.45' R=25.00' T=5.83' =26°14'04"	CURVE DATA C8: N:396988.71 E:1441651.16 L=11.47' R=25.00' T=5.84' =26°17'18"
-------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------

CURVE DATA C9: N:397230.04 E:1441659.84 L=11.47' R=25.00' T=5.84' =26°17'18"	CURVE DATA C10: N:397250.18 E:1441705.60 L=11.45' R=25.00' T=5.83' =26°14'04"	CURVE DATA C11: N:397438.41 E:1441712.16 L=11.45' R=25.00' T=5.83' =26°14'04"	CURVE DATA C12: N:397462.10 E:1441668.13 L=11.47' R=25.00' T=5.84' =26°17'18"	CURVE DATA C13: N:397651.47 E:1441674.72 L=11.47' R=25.00' T=5.84' =26°17'18"	CURVE DATA C14: N:397671.62 E:1441720.48 L=11.45' R=25.00' T=5.83' =26°14'04"	CURVE DATA C15: N:398416.20 E:1441706.33 L=23.41' R=15.00' T=14.85' =89°25'52"
------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------

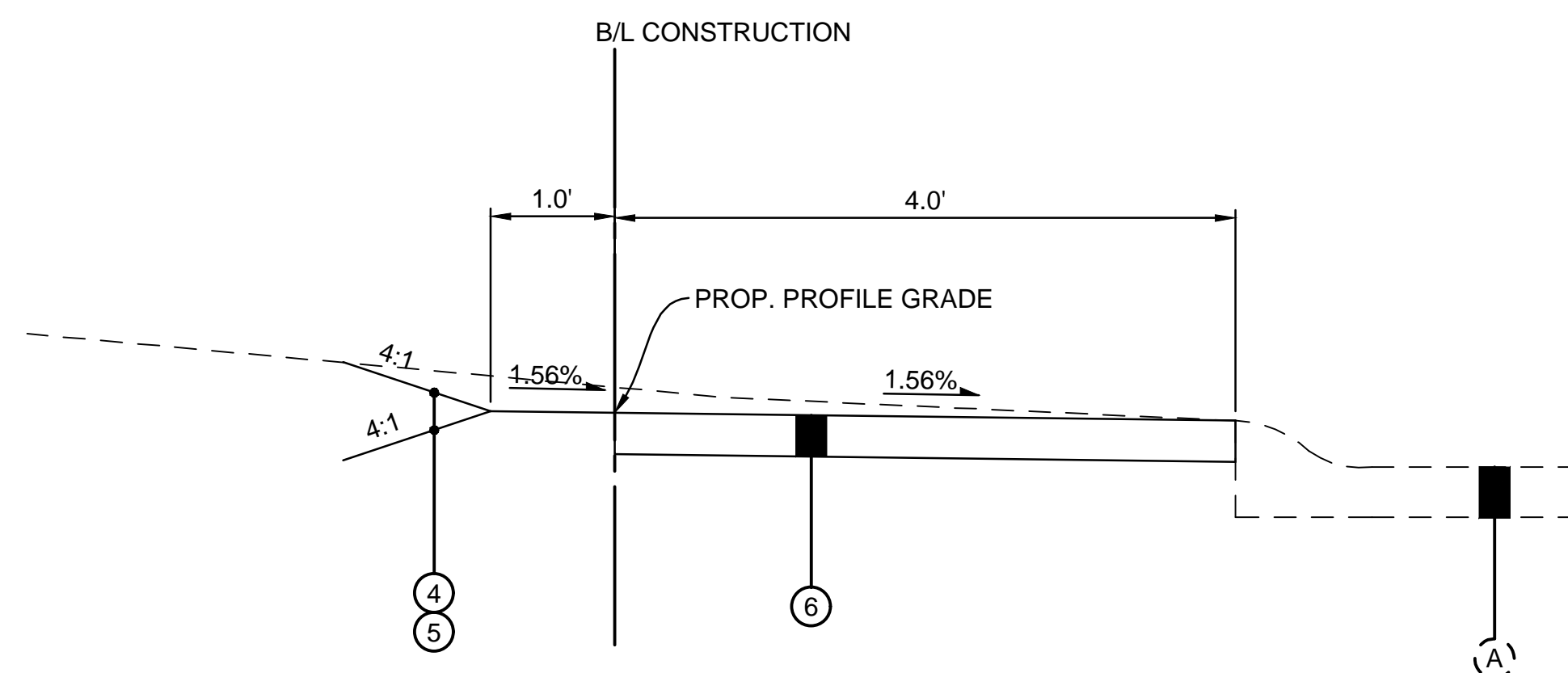




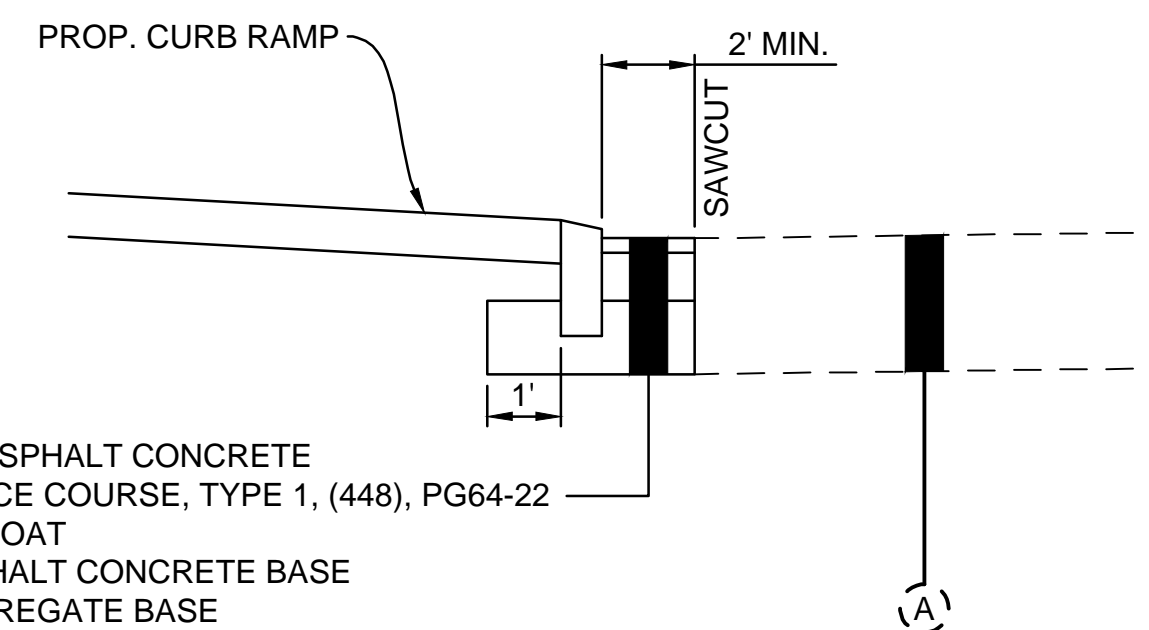
US 42 SIDEWALK
 STA. 10+43.81 TO STA. 13+15.64 = 271.83 L.F.
 STA. 13+76.94 TO STA. 17+65.76 = 388.82 L.F.
 STA. 20+54.78 TO STA. 22+42.94 = 186.16 L.F.
 STA. 24+78.44 TO STA. 25+40.16 = 61.72 L.F.
 STA. 32+95.70 TO STA. 34+98.01 = 202.31 L.F.



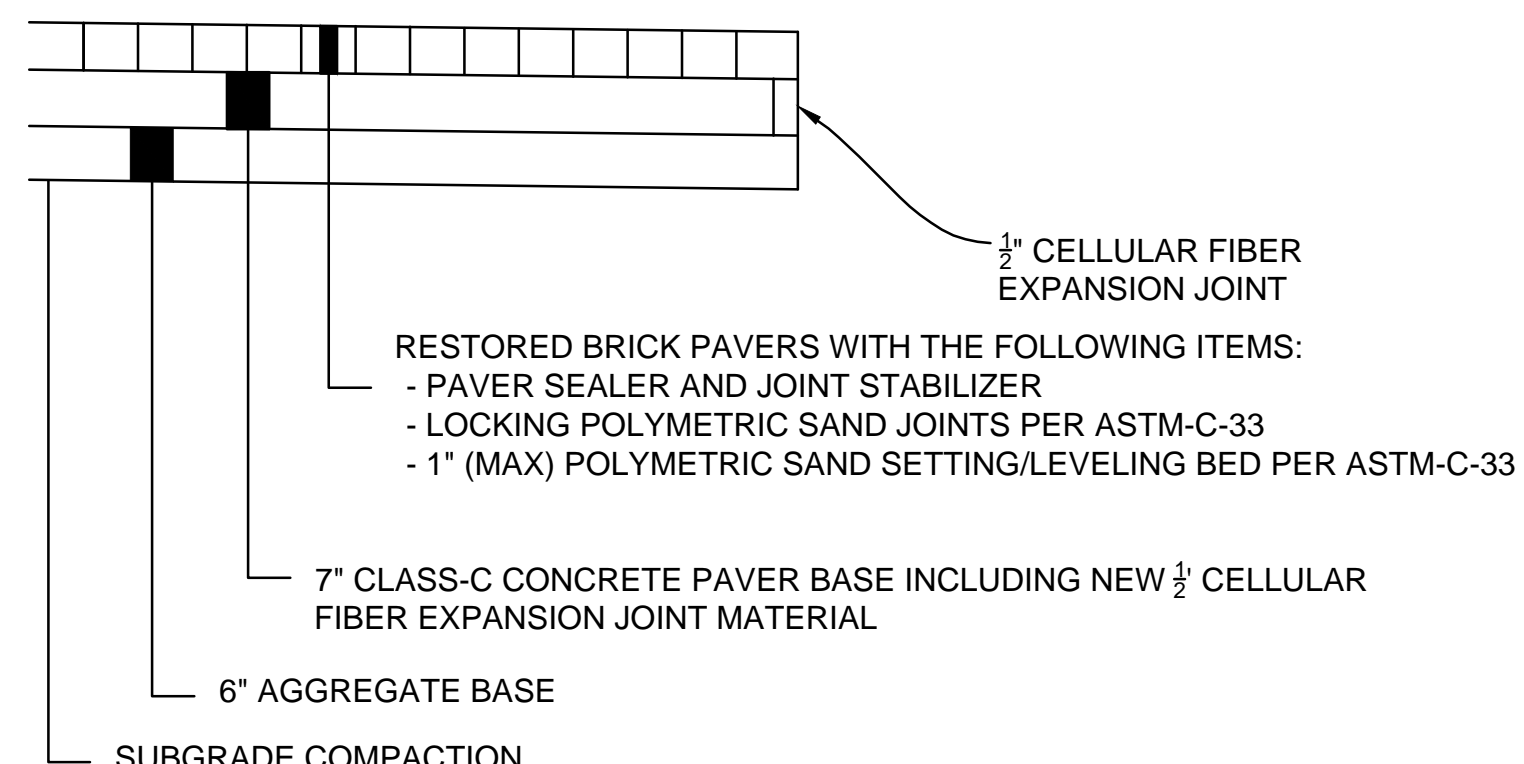
US 42 SIDEWALK TRANSITIONS
 STA. 10+19.06 TO STA. 10+43.81 = 24.75 L.F.
 STA. 13+15.64 TO STA. 13+38.55 = 22.91 L.F.
 STA. 13+54.02 TO STA. 13+76.94 = 22.92 L.F.
 STA. 17+65.76 TO STA. 17+88.68 = 22.92 L.F.
 STA. 20+31.87 TO STA. 20+54.78 = 22.91 L.F.
 STA. 22+42.94 TO STA. 22+65.85 = 22.91 L.F.
 STA. 24+55.52 TO STA. 24+78.44 = 22.92 L.F.



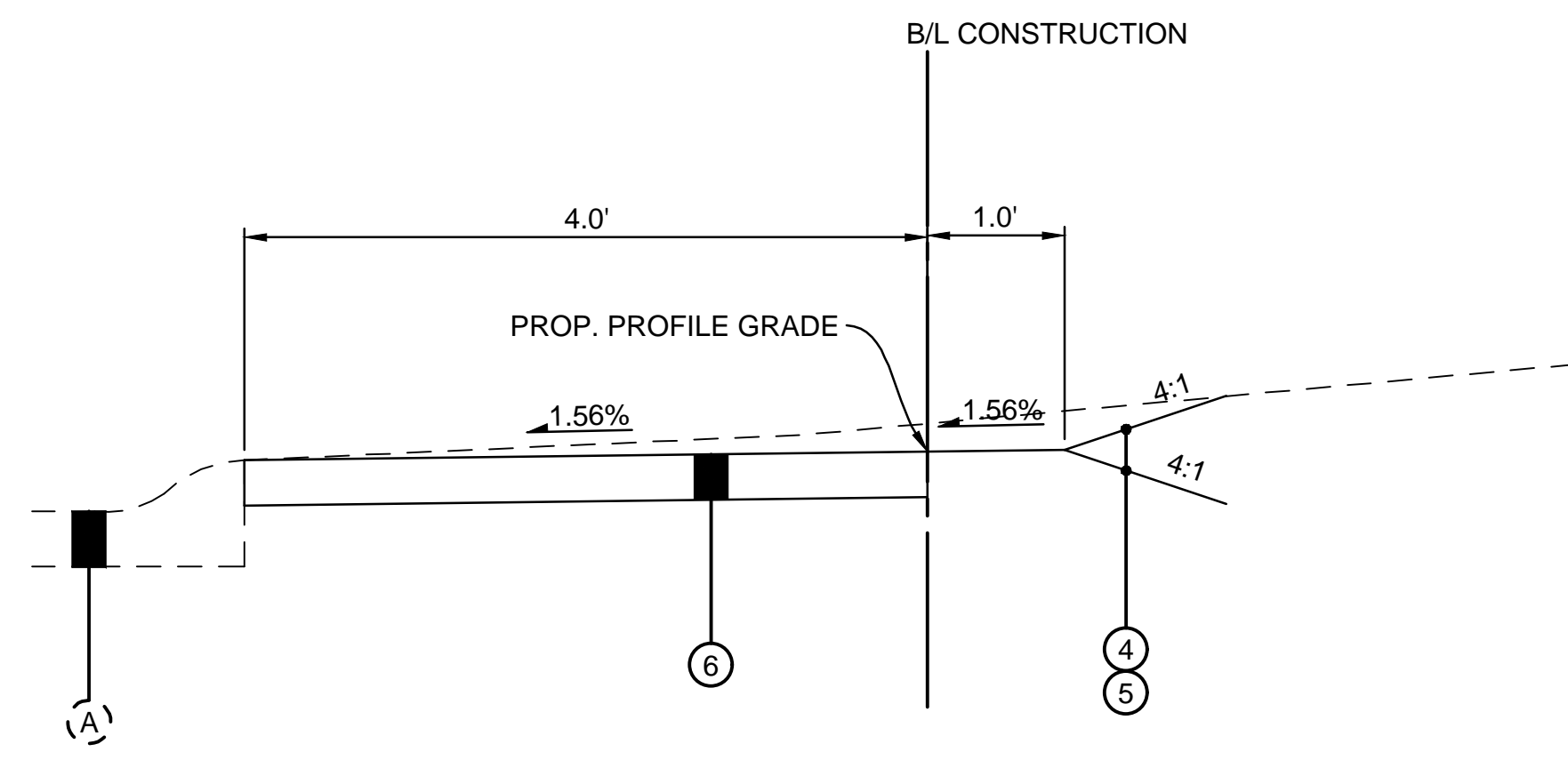
US 42 SIDEWALK
 STA. 10+00.00 TO STA. 10+19.06 = 19.06 L.F.
 STA. 13+38.56 TO STA. 13+54.02 = 15.46 L.F.
 STA. 17+88.68 TO STA. 20+31.87 = 243.19 L.F.
 STA. 22+65.85 TO STA. 24+55.52 = 189.67 L.F.



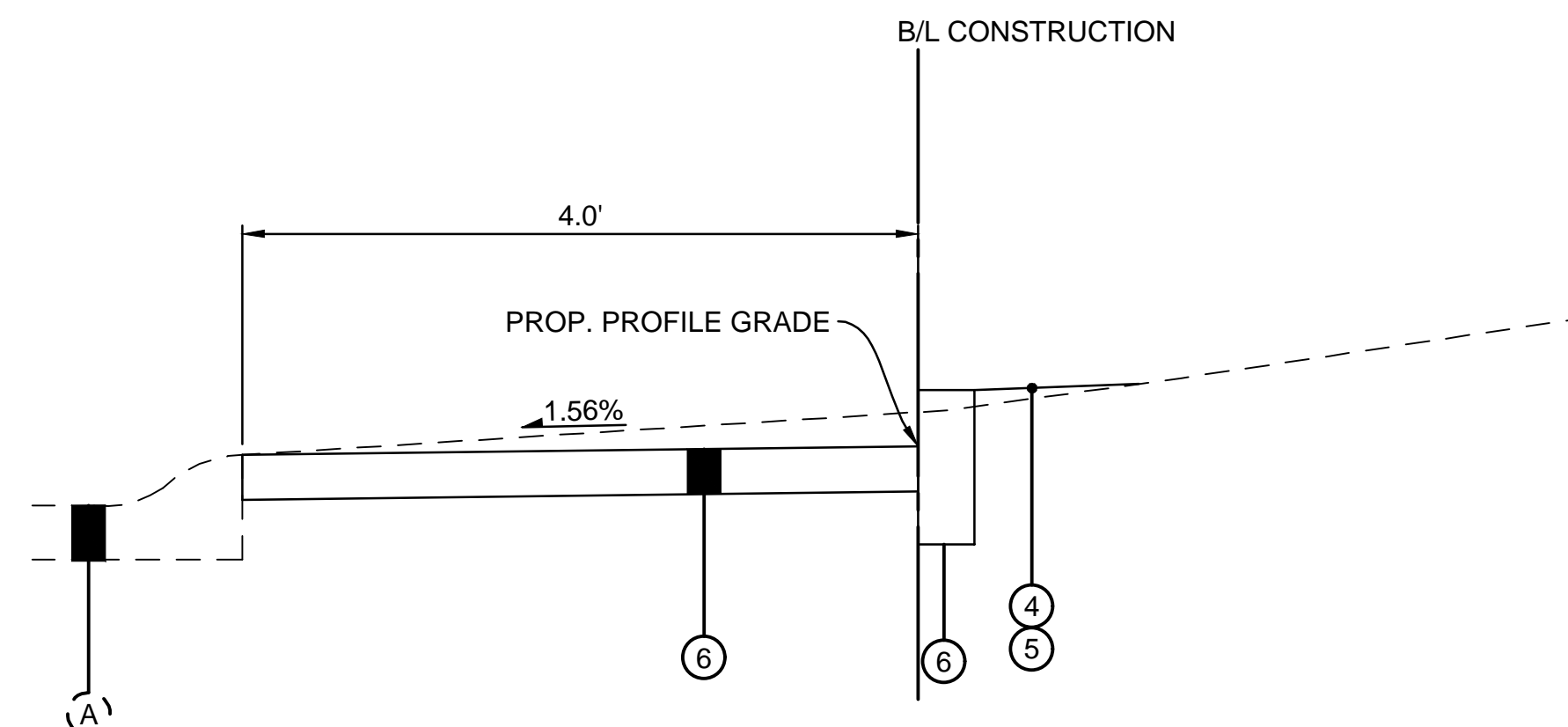
ITEM 441 - 1-1/4" ASPHALT CONCRETE
 SURFACE COURSE, TYPE 1, (448), PG64-22
 ITEM 407 - TACK COAT
 ITEM 301 - 5" ASPHALT CONCRETE BASE
 ITEM 304 - 6" AGGREGATE BASE
 ITEM 204 - SUBGRADE COMPACTION



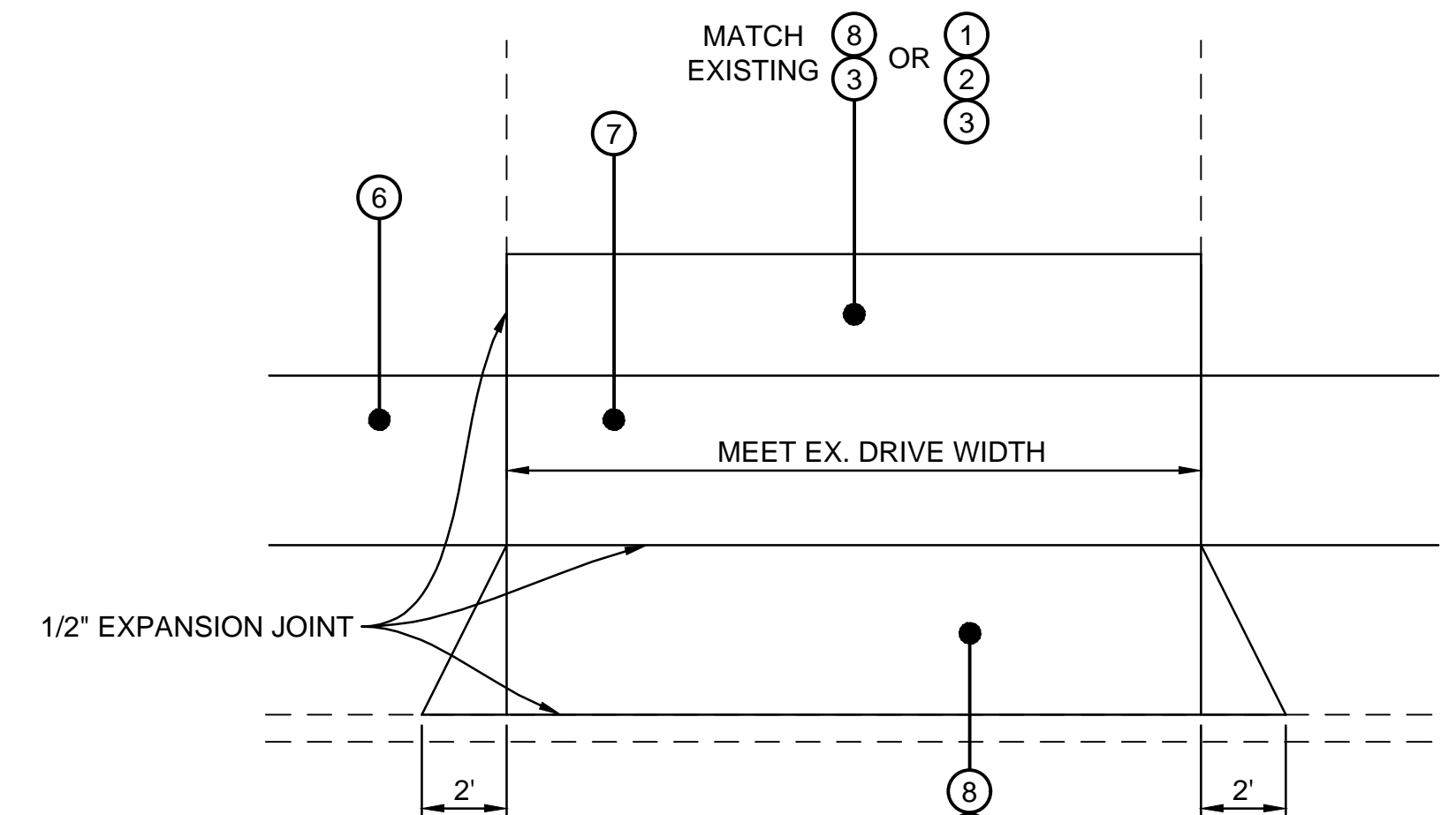
PAVEMENT REPAIR, AS PER PLAN



US 42 SIDEWALK
 STA. 25+78.03 TO STA. 27+00.00 = 121.97 L.F.
 STA. 28+45.00 TO STA. 32+54.86 = 409.86 L.F.



US 42 SIDEWALK
 STA. 27+00.00 TO STA. 28+45.00 = 145 L.F.



DRIVE DETAIL

- | | | |
|-----|---------------------------|------------------------------------------------------------|
| ① | ITEM 411 | 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22 |
| ② | ITEM 304 | 6" AGGREGATE BASE |
| ③ | ITEM 204 | SUBGRADE COMPACTION |
| ④ | ITEM 659 | SEEDING AND MULCHING |
| ⑤ | ITEM 653 | TOPSOIL FURNISHED AND PLACED (3" MIN.) |
| ⑥ | ITEM 608 | 4" CONCRETE WALK |
| ⑦ | ITEM 608 | 6" CONCRETE WALK |
| ⑧ | ITEM 453 | 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P |
| ⑧ | ITEM 609 | CURB, TYPE 6 |
| (A) | EXISTING ASPHALT PAVEMENT | |

RAMBLING HILLS SIDEWALK
 TYPICAL SECTION

SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWINGS

THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, 2019 CONSTRUCTION AND MATERIALS SPECIFICATIONS, AND THE NOTED STANDARD CONSTRUCTION DRAWINGS SHALL GOVERN THIS IMPROVEMENT.

WHEREVER THE WORD "STATE" OR DEPARTMENT OCCURS, IT IS TO MEAN TOWNSHIP OF ANDERSON OR THEIR REPRESENTATIVE. WHENEVER THE WORD "DIRECTOR" OR "ENGINEER" IS USED HEREIN, IT SHALL BE HELD TO MEAN THE TOWNSHIP, OR DULY AUTHORIZED REPRESENTATIVE.

CONSTRUCTION LIMITS

THE CONTRACTOR SHALL RESTRICT ALL OF HIS ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE ACTUAL CONSTRUCTION LIMITS ARE SHOWN ON THE PLANS OR THE EXISTING OR PROPOSED R/W, WHICHEVER IS NEAREST. SHOULD THE CONTRACTOR WISH TO USE ANY AREA OUTSIDE THESE LIMITS, HE MUST SUBMIT HIS REQUEST IN WRITING TO THE ENGINEER. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA THAT THE CONTRACTOR PLANS TO USE AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. THE ENGINEER SHALL APPROVE THE REQUEST IN WRITING BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA. PRIOR TO THE BEGINNING OF WORK, THE CONTRACTOR, SUPERINTENDENT OR HIS REPRESENTATIVE, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY SHALL REVIEW AND RECORD ALL ADJACENT SITES WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF THE ADJACENT SITES WILL BE MADE. ANY AREAS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPAIRED OR REPLACED, AT THE CONTRACTOR'S EXPENSE, IN KIND OR AS DIRECTED BY THE ENGINEER.

CONSTRUCTION NOTIFICATION

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE CLOSURES, OR ROAD CLOSURES. THE TOWNSHIP ENGINEER WILL FORWARD THIS INFORMATION TO THE TOWNSHIP OFFICIAL RESPONSIBLE FOR PUBLIC NOTIFICATION. THIS OFFICIAL WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

EXISTING FACILITIES

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM HIS WORK IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY EXISTING FACILITY. IF ANY SUCH DAMAGE DOES OCCUR DUE TO THE CONTRACTOR'S OPERATIONS, HE SHALL REPLACE THE DAMAGED PORTION AT HIS EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN SEWER FLOWS AT ALL TIMES THROUGH EXISTING FACILITIES WHICH ARE TO REMAIN IN PLACE AND THROUGH EXISTING FACILITIES TO BE REPLACED UNTIL NEW FACILITIES ARE COMPLETED AND PLACED IN USE. ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED. ALL EXISTING SEWERS SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

MATERIALS AND WORKMANSHIP

UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE NEW AND BOTH WORKMANSHIP AND MATERIALS SHALL BE OF THE FIRST QUALITY, PROPER AND SUFFICIENT FOR THE PURPOSE CONTEMPLATED. THE CONTRACTOR SHALL FURNISH, IF SO REQUIRED, SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF MATERIALS AND WORKMANSHIP. ALL ITEMS OF EQUIPMENT AND/OR MATERIALS PROPOSED FOR SUBSTITUTION MUST BE APPROVED BY THE ENGINEER IN WRITING AND SHALL BE EQUAL OR BE SUPERIOR TO THE ITEMS SPECIFIED IN THE CONTRACT DOCUMENTS. IF SAID SUBSTITUTION PROPOSED BY THE CONTRACTOR FOR A SPECIFIED ITEM REQUIRED ENGINEERING REVISIONS, THE EXPENSE OF SUCH REVISIONS SHALL BE PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER-OPERATED CONSTRUCTION-TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF 9:00 PM AND 7:00 AM. IN ADDITION, ANY SUCH DEVICE SHALL NOT BE OPERATED AT ANY TIME IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

PAVEMENT SAWING

ALL PAVEMENT SAWING IS INCIDENTAL TO PAVEMENT REMOVAL, CURB REMOVAL OR WALK REMOVAL AND SHALL SAWCUTTING WORK BE PAID UNDER THE ASSOCIATED REMOVAL ITEM.

PERMITS, FEES AND NOTICES

THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, ANY AND ALL PERMITS AND INSPECTIONS REQUIRED FOR THE PROSECUTION OF THE WORK BY LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS.

PRE-CONSTRUCTION MEETING

FOLLOWING THE AWARD OF THE CONTRACT AND BEFORE STARTING ANY WORK, THE CONTRACTOR AND HIS SUPERINTENDENT, SHALL MEET WITH THE ENGINEER FOR A PRE-CONSTRUCTION MEETING. THE PURPOSE OF SUCH IS FOR REVIEWING THE SITE, AND ANY RESTRICTIONS AND REGULATIONS GOVERNING THE WORK.

ANY SCHEDULES, REQUESTS, PAPERS, APPROVALS, SUBMITTALS, SHOP DRAWINGS, CHANGES, ETC. AS CALLED FOR IN THE CONTRACT DOCUMENTS SHALL BE DONE AT THIS TIME UNLESS OTHERWISE DIRECTED.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE. ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE. ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

WEATHER CONDITIONS

NO CONSTRUCTION SHALL BE DONE DURING STORMY, FREEZING, OR INCLEMENT WEATHER UNLESS PERMISSION IS GIVEN BY THE ENGINEER. WHENEVER WORK PROCEEDS DURING SUCH WEATHER, THE CONTRACTOR SHALL PROVIDE APPROVED FACILITIES, INCLUDING HEAT (IF REQUIRED), FOR THE PROTECTION OF ALL MATERIALS AND FINISHED WORK.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

COOPERATION WITH UTILITY COMPANIES

WHILE THE WORK OF THIS CONTRACT IS BEING PERFORMED, THE UTILITY COMPANIES MAY BE WORKING IN THE AREA ADJUSTING AND RESETTNG EXISTING FACILITIES. THE CONTRACTOR SHALL FULLY COOPERATE WITH UTILITY COMPANIES SO THAT THE ENTIRE WORK IS COMPLETED IN A MANNER CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. THE CONTRACTOR, UTILITIES, AND ENGINEER SHALL DISCUSS THE NECESSARY CONSTRUCTION SCHEDULES TO COMPLETE THE PROJECT AT THE PRE-CONSTRUCTION MEETING.

ALL UTILITIES WHICH ARE SHOWN OR LOCATED DURING THE COURSE OF CONSTRUCTION THAT ARE FOUND TO BE IN CONFLICT WITH THESE PLANS ARE TO BE RELOCATED OR ADJUSTED BY THE OWNER OF THE UTILITY.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE AS OBTAINED FROM THE OWNERS OF THE UTILITIES AS REQUIRED BY SECTION 153.64 OF THE OHIO REVISED CODE.

THE UNDERGROUND UTILITIES SHOWN ON THE PLAN HAVE BEEN LOCATED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT; BUT THEIR ACCURACY OR COMPLETENESS IS NOT GUARANTEED.

UTILITIES NOTIFICATION

AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER, THE REGISTERED UTILITY PROTECTION SERVICE AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY SHOWN ON THE PLAN.

THE OWNER OF THE UNDERGROUND FACILITY SHALL, WITHIN 48 HOURS (EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS), MARK THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE AND THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

PROTECTING EXISTING UNDERGROUND UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING, MARKING, OR OTHERWISE DESIGNATING THE LOCATIONS OF THE UNDERGROUND UTILITIES IN THE CONSTRUCTION AREAS IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH OF WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF PLANNED CONSTRUCTION. EXTREME CARE SHALL BE TAKEN IN THE VICINITY OF THE EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ISOLATE, BRACE, SUPPORT, SHEET, ETC. AND PROTECT THE EXISTING UTILITY FROM MOVING EITHER HORIZONTALLY OR VERTICALLY. IF SUCH MOVEMENT DOES OCCUR DUE TO THE CONTRACTOR'S OPERATIONS, HE SHALL REPAIR THE UTILITY AT HIS EXPENSE. THE CONTRACTOR MAY ELECT TO REMOVE AND RECONSTRUCT PORTIONS OF THE EXISTING UTILITY AT HIS OWN EXPENSE IF HE SO DESIRES.

SHOULD AN UNLOCATED OR AN EXTREME VARIANCE IN LOCATION OF A UTILITY BE ENCOUNTERED DURING EXCAVATION, CONSULT THE ENGINEER IMMEDIATELY FOR DIRECTIONS.

DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY THE ENGINEER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE ENGINEER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICING HAS BEEN PROVIDED. COOPERATION WITH THE ENGINEER IN KEEPING RESPECTIVE SERVICES AND FACILITIES IN OPERATION IS ESSENTIAL. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM HIS WORK IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY EXISTING UTILITY. IF ANY SUCH DAMAGE DOES OCCUR DUE TO THE CONTRACTOR'S OPERATIONS, HE SHALL NOTIFY THE ENGINEER IMMEDIATELY AND REPLACE THE DAMAGED PORTION IMMEDIATELY, AND AT HIS EXPENSE.

UTILITY COORDINATION

THE FOLLOWING IS A LIST OF THE KNOWN EXISTING UTILITIES IN THE PROJECT AREA ALONG WITH THE RESPECTIVE OWNERS. THE LIST IS INCLUDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY OWNERS IN THE PROJECT AREA PRIOR TO START OF CONSTRUCTION WHETHER LISTED ON THIS PAGE OR NOT.

CINCINNATI BELL	MSD
CHARTER COMMUNICATIONS	DUKE ENERGY ELECTRIC
DUKE ENERGY GAS	GCWW
MCI	LEVEL 3 COMMUNICATIONS

ITEM 253 - PAVEMENT REPAIR, AS PER PLAN

THIS ITEM SHALL INCLUDE THE REMOVAL AND REPLACEMENT OF EXISTING BRICK PAVERS, RESTORATION, AND ANY NEEDED REPAIR. RESTORATION SHALL INCLUDE ANY NECESSARY SAWCUTTING AND MODIFICATION OF EXISTING BRICK FOR PROPER JOINTING WITH THE PROPOSED SIDEWALK.

PROTECTION OF EXISTING TREES AND VEGETATION

THE CONTRACTOR SHALL PROTECT EXISTING TREES AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING AND BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS, OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY FENCES, BARRICADES OR GUARDS AS REQUIRED TO PROTECT TREES AND VEGETATION. THE CONTRACTOR SHALL WATER TREES AND OTHER VEGETATION WITHIN THE CONSTRUCTION AREA TO MAINTAIN THEIR HEALTH DURING THE COURSE OF CONSTRUCTION OPERATIONS. NO TREES SHALL BE REMOVED UNLESS APPROVED BY THE ENGINEER. PROVIDE PROTECTION FOR ROOTS OVER 1 1/2" DIAMETER THAT ARE CUT DURING CONSTRUCTION OPERATIONS. COAT AND CUT FACES WITH AN EMULSIFIED ASPHALT OR OTHER ACCEPTABLE COATING, ESPECIALLY FOR MUTILATED OR HORTICULTURE USE ON CUT OR DAMAGED PLANT TISSUES. TEMPORARILY COVER ALL EXPOSED ROOTS WITH WET BURLAP TO PREVENT ROOTS FROM DRYING OUT. PROVIDE EARTH COVER AS SOON AS POSSIBLE.

THE CONTRACTOR SHALL REPAIR OR REPLACE TREES AND VEGETATION WHICH ARE DAMAGED BY CONSTRUCTION OPERATIONS, IN A MANNER ACCEPTABLE TO THE ENGINEER. ALL TREES WHICH CANNOT BE REPAIRED AND RESTORED TO FULL-GROWTH STATUS, AS DETERMINED BY A TREE SURGEON, SHALL BE REPLACED.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE CONTRACTOR SHALL PERFORM THE NECESSARY PRECAUTIONS TO AVOID EXCESSIVE SOIL EROSION AND THE RUNOFF OF SEDIMENT INSIDE AND DOWNSTREAM OF THE PROJECT TO THE SATISFACTION OF THE ENGINEER. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, ERECTION OF SILT FENCE (SF) ALONG THE PERIMETER OF THE CONSTRUCTION LIMITS AND PLACEMENT OF FILTER BARRIERS (FB) AS DITCH CHECKS. DITCH CHECKS SHALL BE PLACED AT A MAXIMUM SPACING OF 50 FEET ALONG ALL PROPOSED DITCHES. COST FOR SSB AND / OR FB DITCH CHECKS SHALL BE PAID FOR UNDER ITEM 207, FILTER FABRIC DITCH CHECK.

THE LOCATION AND TIMING OF ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE FIELD ADJUSTED TO PREVENT SIGNIFICANT IMPACTS ON RECEIVING WATERS. IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN SHALL CONTINUE THROUGHOUT THE DURATION OF THE PROJECT OR UNTIL SUCH TIME THAT THE UPSLOPE DISTURBED AREAS ARE STABILIZED.

INSTALLATION OF SEDIMENT BASINS/DAMS, PERIMETER FILTER FABRIC FENCE, AND DITCH CHECKS SHALL BE CONCURRENT WITH THE CLEARING AND GRUBBING AND/OR GRADING OPERATIONS. ALL REASONABLE ATTEMPTS SHOULD BE MADE TO MINIMIZE THE TOTAL AREA OF DISTURBED LAND.

AREAS TO REMAIN DORMANT FOR MORE THAN 45 DAYS SHOULD BE IMMEDIATELY STABILIZED WITH TEMPORARY SEEDING AND MULCHING, EROSION CONTROL MATTING OR OTHER APPROPRIATE EROSION CONTROL MEASURES. COST FOR TEMPORARY SEEDING AND MULCHING SHALL BE INCIDENTAL TO THE OVERALL CONTRACT.

EXAMINATION OF THE SITE

THE CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE OF THE PROPOSED WORK, THE PLANS AND SPECIFICATIONS. THE SUBMISSION OF A BID SHALL BE CONSIDERED EVIDENCE THAT THE CONTRACTOR HAS MADE SUCH EXAMINATION AND IS SATISFIED AS TO THE CONDITIONS TO BE ENCOUNTERED IN PERFORMING THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

DOWN TIME DUE TO FIELD CONFLICTS

DURING THE CONSTRUCTION ACTIVITIES OF THIS PROJECT, THERE MAY BE TIMES WHEN THE CONSTRUCTION IN SOME AREAS MAY NEED TO BE SUSPENDED PENDING FEED BACK ON, OR A RESOLUTION OF AN ISSUE WITH THE OWNER AND/ OR ENGINEER. THE CONTRACTOR, IN THIS CASE SHALL MOVE THE CREWS AND EQUIPMENT TO WORK IN A DIFFERENT AREA OR ON A DIFFERENT TASK. COST OF MOBILIZING AND DEMOBILIZING OF THE CONTRACTORS WORK CREWS AND EQUIPMENT INCLUDING ANY " DOWNTIME " SHALL BE INCIDENTAL TO THE OVERALL BID PRICE FOR THIS PROJECT.

RESTORATION

THE CONTRACTOR SHALL PROVIDE FOR PROTECTION OF THE FOLLOWING: EXISTING STREETS, DRIVEWAYS, SIDEWALKS, CURBS, GUTTERS, RE-SEEDING/RE-SODDING, REMOVAL OF TREES, RESTORATION OF AGRICULTURAL LAND, THE MAINTENANCE OF THE CONSTRUCTION AREA DURING PROGRESS OF THE WORK AND THE COMPLETE RESTORATION OF THE CONSTRUCTION AREA TO ITS ORIGINAL CONDITION AT THE COMPLETION OF THE WORK. THE CONTRACTOR SHALL CONTINUOUSLY CARRY ON WITH THE FINAL RESTORATION OF THE CONSTRUCTION AREA AFTER THE BACKFILLING IS COMPLETED, AND HE SHALL PROCEED TO RESTORE TO ITS ORIGINAL CONDITION ALL STREETS, DRIVEWAYS, SIDEWALKS, CURBS, GUTTERS, STRUCTURES, AND ALL AREAS THAT WERE DAMAGED, DISTURBED, OR OCCUPIED BY THE CONTRACTOR IN CONNECTION WITH ANY PHASE OF THE WORK.

PAVEMENTS, TREES, SHRUBS, FENCES, POLES, OR OTHER PROPERTY AND SURFACE STRUCTURES WHICH HAVE BEEN DAMAGED, REMOVED, OR DISTURBED BY THE CONTRACTOR, WHETHER DELIBERATELY OR THROUGH FAILURE TO CARRY OUT THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, STATE LAWS, MUNICIPAL ORDINANCES, THE SPECIFIC DIRECTION OF THE ENGINEER, OR THROUGH FAILURE TO EMPLOY USUAL AND REASONABLE SAFEGUARDS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

ALL TEMPORARY SIGNS, SPRINKLER SYSTEMS, LANDSCAPING, ORNAMENTAL FENCING, ETC., LOCATED WITHIN THE PROJECT LIMITS MUST BE REPLACED OR RELOCATED UPON COMPLETION OF THE CONSTRUCTION.

SECURITY AND PROTECTION PROVISIONS

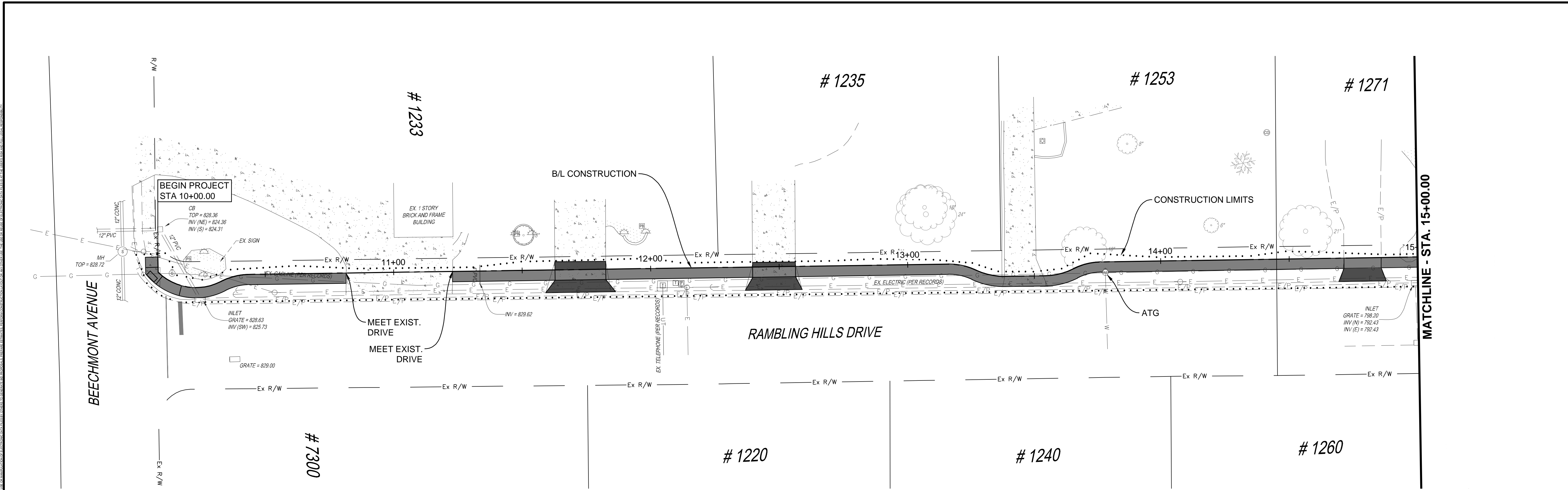
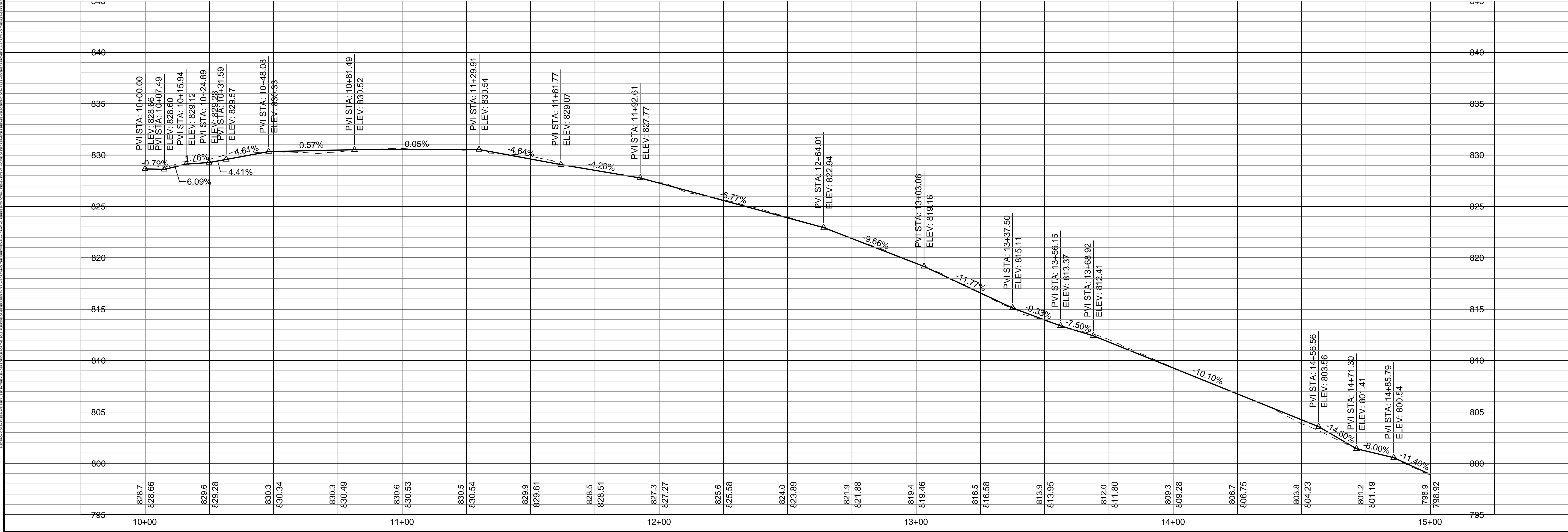
THE TYPES OF TEMPORARY SECURITY AND PROTECTION PROVISIONS REQUIRED INCLUDE, BUT NOT BY WAY OF LIMITATION, BARRICADES, WARNING SIGNS/LIGHTS, SITE ENCLOSURE FENCE, ETC. AND SIMILAR PROVISIONS INTENDED TO MINIMIZE PROPERTY LOSSES, PERSONAL INJURIES AND CLAIMS FOR DAMAGE TO THE PROJECT SITE. THE CONTRACTOR SHALL PROVIDE ANY PROTECTION SERVICES AND SYSTEMS IN COORDINATION WITH ACTIVITIES AND IN A MANNER TO ACHIEVE 24-HOUR, 7-DAY PER-WEEK EFFECTIVENESS.

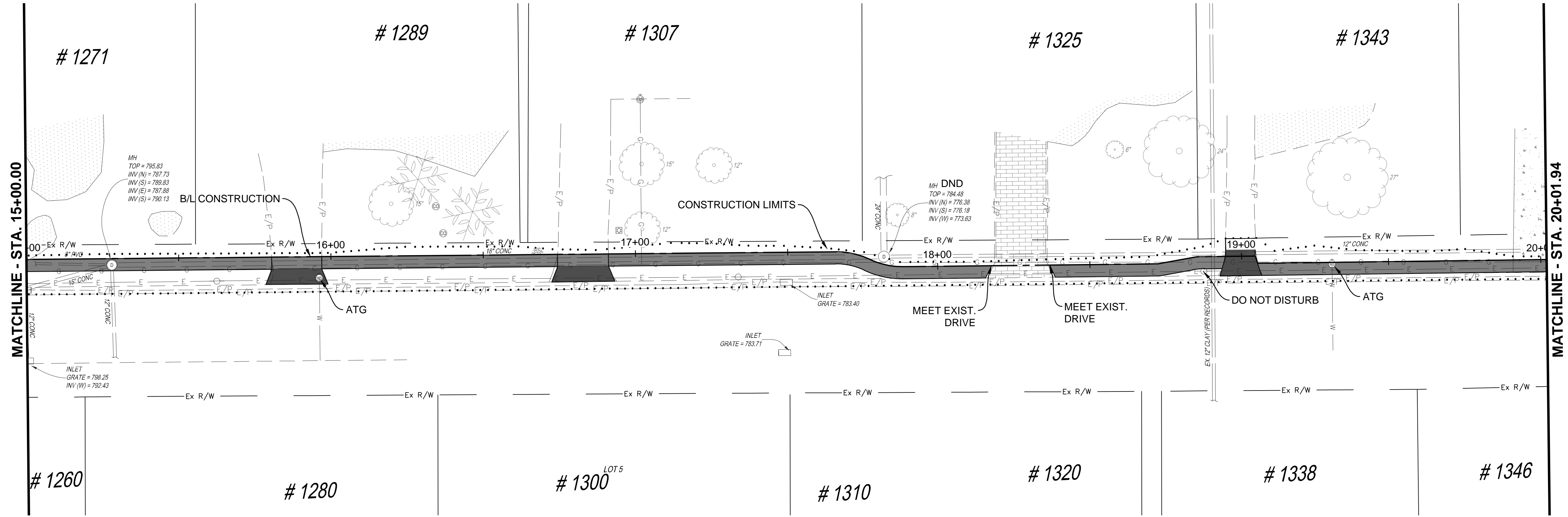
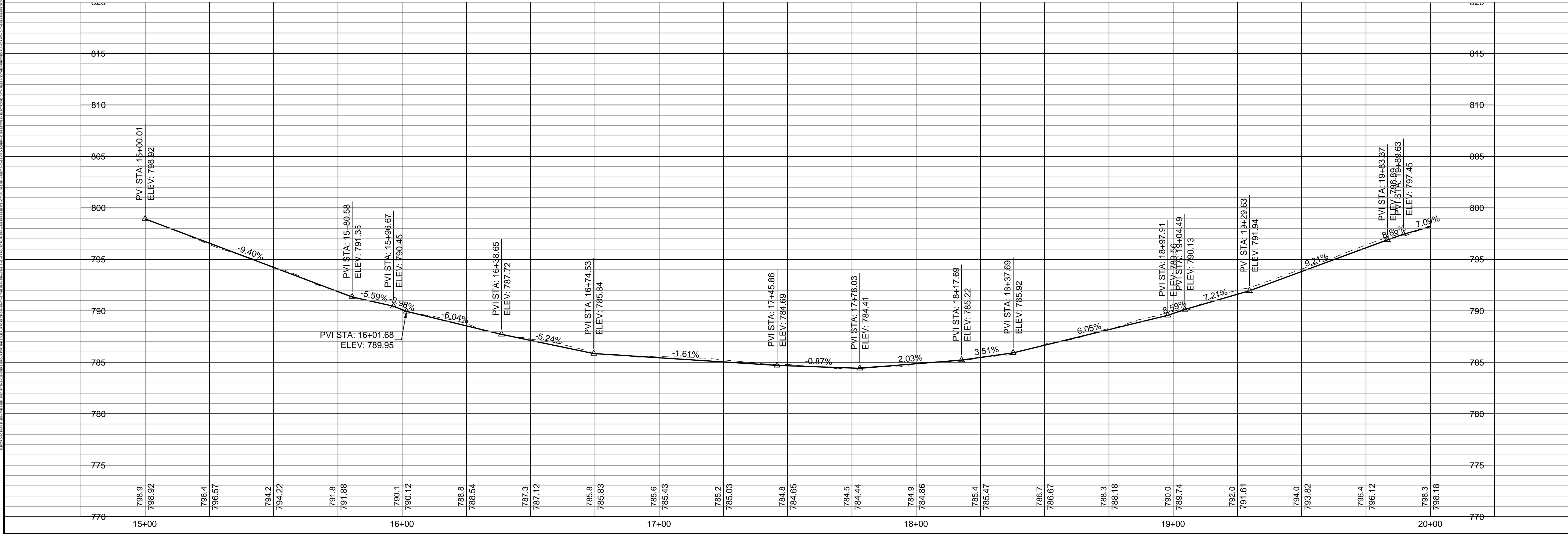
TRENCHES THAT ARE OPEN SHALL NOT REMAIN UNPROTECTED AT ANY TIME. DURING NON-WORKING HOURS, TRENCHES SHALL BE CLOSED AND ANY EQUIPMENT ON THE SITE SHALL BE ADEQUATELY FENCED.

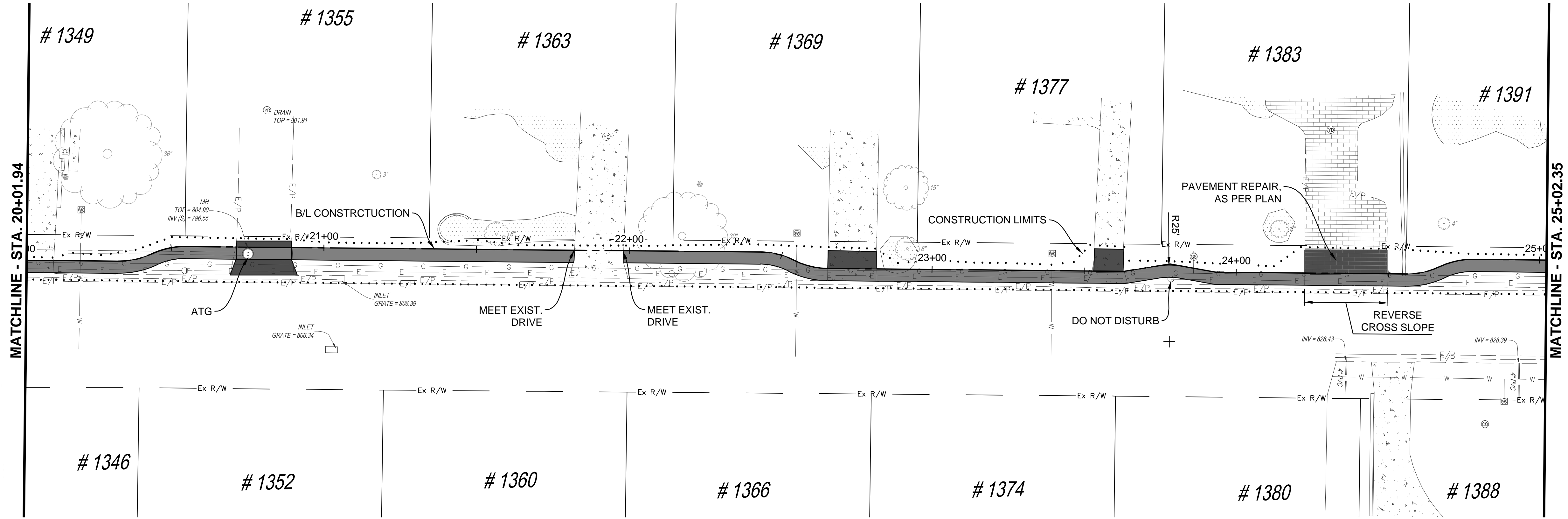
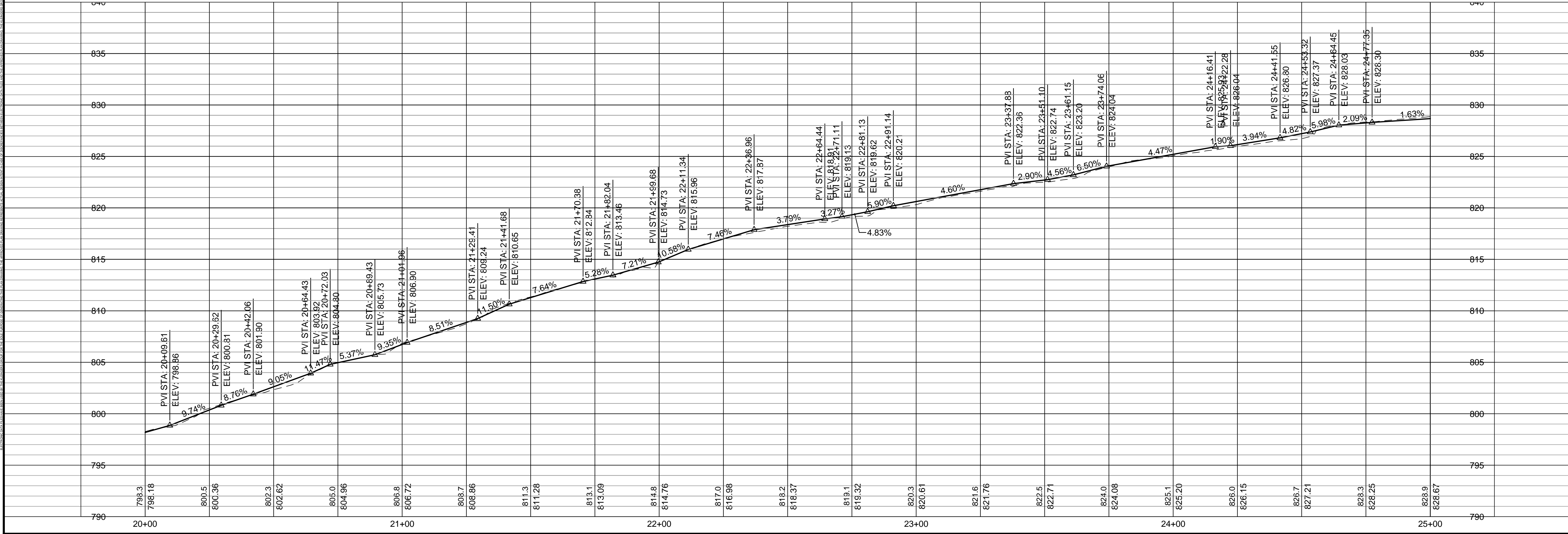
SHOP DRAWINGS

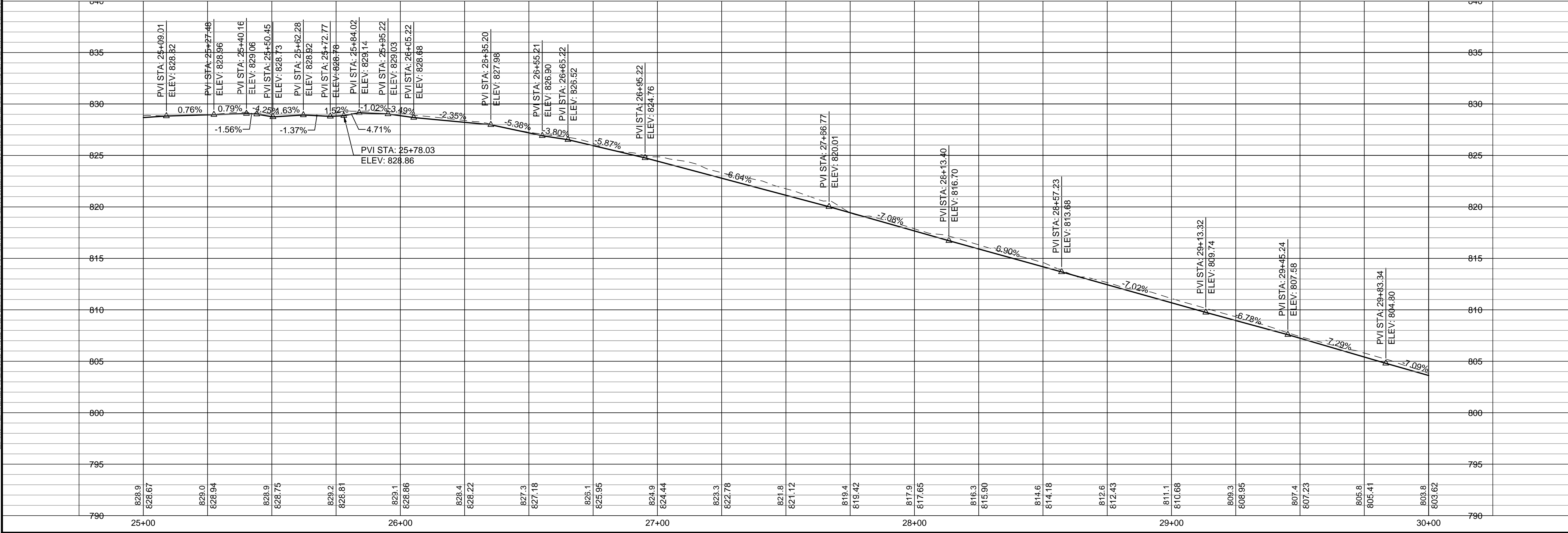
THE PROJECT SHALL MEET THE CONSTRUCTION AND MATERIAL SPECIFICATIONS AND DETAILS OUTLINED IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW ONLY FOR DEVIATIONS FROM WHAT IS SPECIFIED ON THESE PLANS. SHOP DRAWINGS SUBMITTED TO THE ENGINEER FOR REVIEW UNDER THESE CONDITIONS SHALL CLEARLY IDENTIFY THE AREAS THAT DIFFER FROM THE STANDARDS CALLED OUT IN THE CONSTRUCTION DOCUMENTS AND/OR DETAILS.

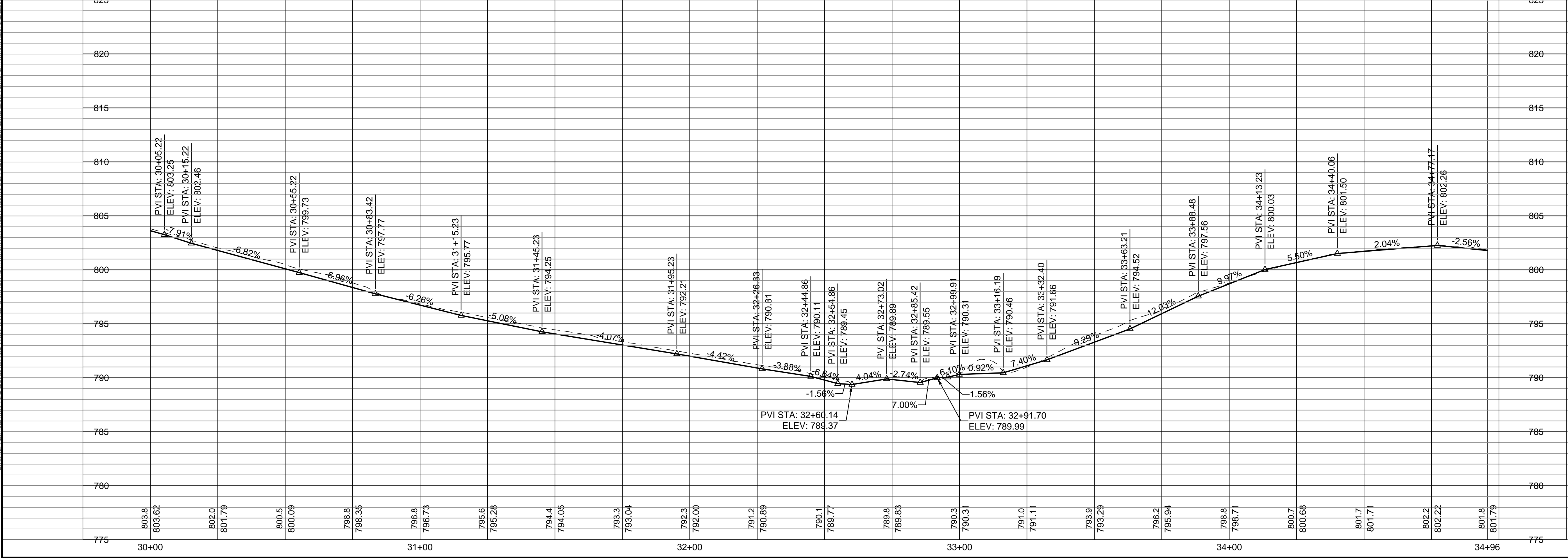
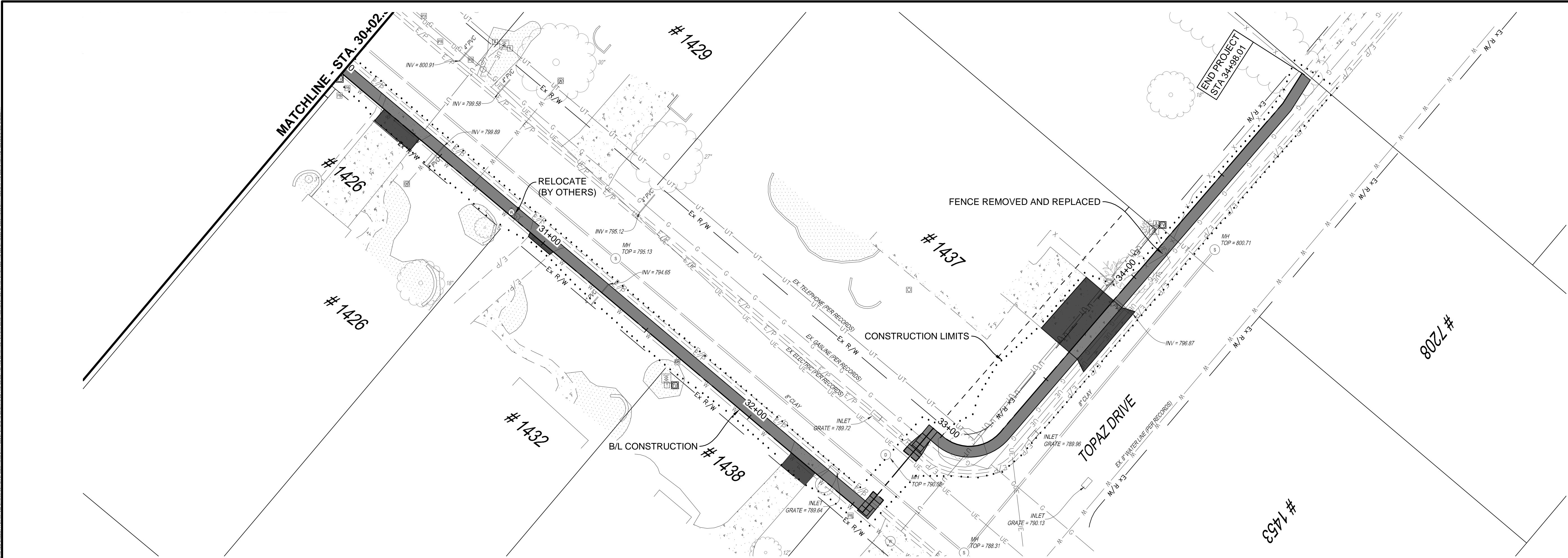
CALCULATED KJC CHECKED SAM	RAMBLING HILLS SIDEWALK GENERAL NOTES	<div></div>	<div><div>5</div><div>26</div></div>	<p><u>MAINTENANCE OF TRAFFIC, GENERAL REQUIREMENTS</u></p> <p>THE REQUIRED WORK SHALL BE PERFORMED IN A MANNER THAT CAUSES THE LEAST INCONVENIENCE TO AND THAT PROVIDES THE MAXIMUM SAFETY FOR THE TRAVELING PUBLIC AND THE CONTRACTOR. THE REQUIREMENTS FOR MAINTAINING TRAFFIC AS INDICATED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (REFERRED TO AS THE "OMUTCD"), CURRENT EDITION, AND PERTINENT ITEMS IN THE ODOT SPECIFICATIONS 614, AND AS REQUESTED BY THE ENGINEER SHALL APPLY IN ADDITION TO THE FOLLOWING NOTES.</p> <p>SHOULD ANY PAVED AREAS NOT DESIGNATED FOR RESURFACING BECOME DAMAGED OR DESTROYED DURING CONSTRUCTION DUE TO THE CONTRACTOR'S NEGLIGENCE OR FAILURE TO PROVIDE ADEQUATE SIGNS, BARRICADES, DRUMS, FLAGGERS OR OTHER TRAFFIC CONTROL DEVICES, THE RESTORATION OF THE PAVED AREAS SHALL BE AT THE EXPENSE OF THE CONTRACTOR AND TO THE SATISFACTION OF THE ENGINEER.</p> <p>TEMPORARY PAVEMENT MARKINGS (REMOVABLE TYPE) SHALL BE IN PLACE PRIOR TO A STAGE OF CONSTRUCTION BEING OPENED TO TRAFFIC.</p> <p>DRUMS SHALL BE REFLECTORIZED, AND USED IN ACCORDANCE WITH ITEM 614.03 AND THE OMUTCD. DRUMS SHALL BE SPACED AT A MAXIMUM INTERVAL OF 25 FEET CENTER TO CENTER UNLESS SHOWN OTHERWISE ON THESE PLANS OR AS DIRECTED BY THE ENGINEER. DRUMS SHALL BE SPACED AT 10 FOOT INTERVALS ALONG ALL CURB RADII. THE CONTRACTOR SHALL ADJUST THE SPACING ON ALL DRUMS AS DIRECTED BY THE ENGINEER TO ALLOW ACCESS AS REQUIRED, WHILE MAINTAINING SAFETY DURING CONSTRUCTION.</p> <p>THE CONTRACTOR WILL BE REQUIRED TO PROVIDE, ERECT, MAINTAIN (PROPER POSITION, KEPT CLEAN AND LEGIBLE, AND IN GOOD WORKING CONDITION), AND REMOVE LIGHTS, SIGNS, DRUMS, AND ALL OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC. ALL SIGNS SHALL BE REFLECTORIZED OR ILLUMINATED. PLACEMENT OF ALL TRAFFIC CONTROL DEVICES SHALL START AND PROCEED IN THE DIRECTION OF THE FLOW OF TRAFFIC. REMOVAL OF TRAFFIC CONTROL DEVICES SHALL BEGIN AT THE END OF THE CONSTRUCTION AREA AND PROCEED TOWARD ONCOMING TRAFFIC. THE CONTRACTOR SHALL PROVIDE FOR THE INSTALLATION OF ALL NECESSARY TRAFFIC CONTROL DEVICES BEFORE BEGINNING WORK AND IMMEDIATELY REMOVE THESE DEVICES WHEN WORK IS SUSPENDED OR COMPLETE.</p> <p>LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.</p> <p>THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL LOCAL DRIVES, PRIVATE OR PUBLIC, WITHIN THE PROJECT LIMITS THROUGHOUT CONSTRUCTION.</p> <p>BEFORE THE WORK BEGINS, THE CONTRACTOR WILL PROVIDE THE ENGINEER WITH THE NAMES AND TELEPHONE NUMBERS OF TWO (2) PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY BY THE ENGINEER, AFFECTED PUBLIC AGENCIES, AND ALL INTERESTED POLICE AGENCIES, TO REPAIR AND/OR REPLACE THE TRAFFIC CONTROL DEVICES AS NEEDED TO MAINTAIN THE SAFETY OF THE TRAVELED PAVEMENT.</p> <p>ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614, MAINTAINING TRAFFIC.</p> <p>DURING THE CONSTRUCTION OF THE UNDERGROUND FACILITIES AND/OR THE CONSTRUCTION OF THE ROADWAY WIDENING AND ASPHALT COURSES, THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON A TWO-WAY BASIS THROUGH THE PROJECT AT ALL TIMES (DURING BOTH WORKING AND NON-WORKING HOURS). THE TRAFFIC SHALL BE MAINTAINED AT ALL TIMES IN A SAFE AND CONVENIENT MANNER OF A PAVED SURFACE.</p> <p>DURING THE COURSE OF A NORMAL WORKING DAY, THE CONTRACTOR SHALL INSURE THE SAFETY OF THE PUBLIC OF PROVIDING A SUFFICIENT NUMBER OF FLAGMEN TO ASSIST THE TRAFFIC FLOW THROUGH THE CONSTRUCTION AREA, AS REQUIRED.</p> <p>IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO STRICTLY ADHERE TO ALL APPLICABLE SECTIONS FOR THE MAINTENANCE OF TRAFFIC, PUBLIC SAFETY AND PUBLIC CONVENIENCE AS SET FORTH IN THE C&MS AND THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS". THE CONTRACTOR WILL NOT BE PERMITTED TO BEGIN ANY PHASE OF WORK UNTIL THE REQUIRED STANDARD BARRICADES, WARNING SIGNS, ETC., ARE IN THE PROPER POSITION. THE DEVICES PROVIDED FOR THIS REQUIREMENT MUST BE IN FIRST CLASS CONDITION.</p> <p>AT ALL TIMES, THE CONTRACTOR SHALL ADEQUATELY MARK, THROUGH THE USE OF BARRELS, FLASHING LIGHTS, PORTABLE GATES AND/OR OTHER DEVICES APPROVED BY THE ENGINEER, THE LIMITS OF THE PROJECT AREA AND THOSE AREAS OF THE SITE THAT ARE TEMPORARILY CLOSED TO TRAFFIC</p> <p>DURING THE VARIOUS PHASES OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC, THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR COVERING ANY EXISTING TRAFFIC SIGNS WHICH ARE TO REMAIN IN PLACE AND WHICH WOULD INDICATE INFORMATION TO THE TRAVELING PUBLIC WHICH WOULD CONTRADICT THE TRAFFIC FLOWS STIPULATED ON THE MAINTENANCE OF TRAFFIC PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COVERING OF THESE SIGNS AS DIRECTED BY THE ENGINEER AND SHALL BE SUBJECT AT ALL TIMES TO THE APPROVAL OF THE ENGINEER.</p> <p>THE CONTRACTOR SHALL ALSO CONTINUALLY MONITOR ALL PAVEMENT SURFACES USED FOR THE MAINTENANCE OF TRAFFIC TO KEEP IT CLEAR OF DIRT, DUST AND DEBRIS.</p> <p>CONTRACTOR SHALL MAINTAIN A MINIMUM OF TWO LANES OF TRAFFIC AT ALL TIMES.</p> <p>CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE TOWNSHIP FOR THEIR REVIEW AND APPROVAL PRIOR TO STARTING CONSTRUCTION.</p>
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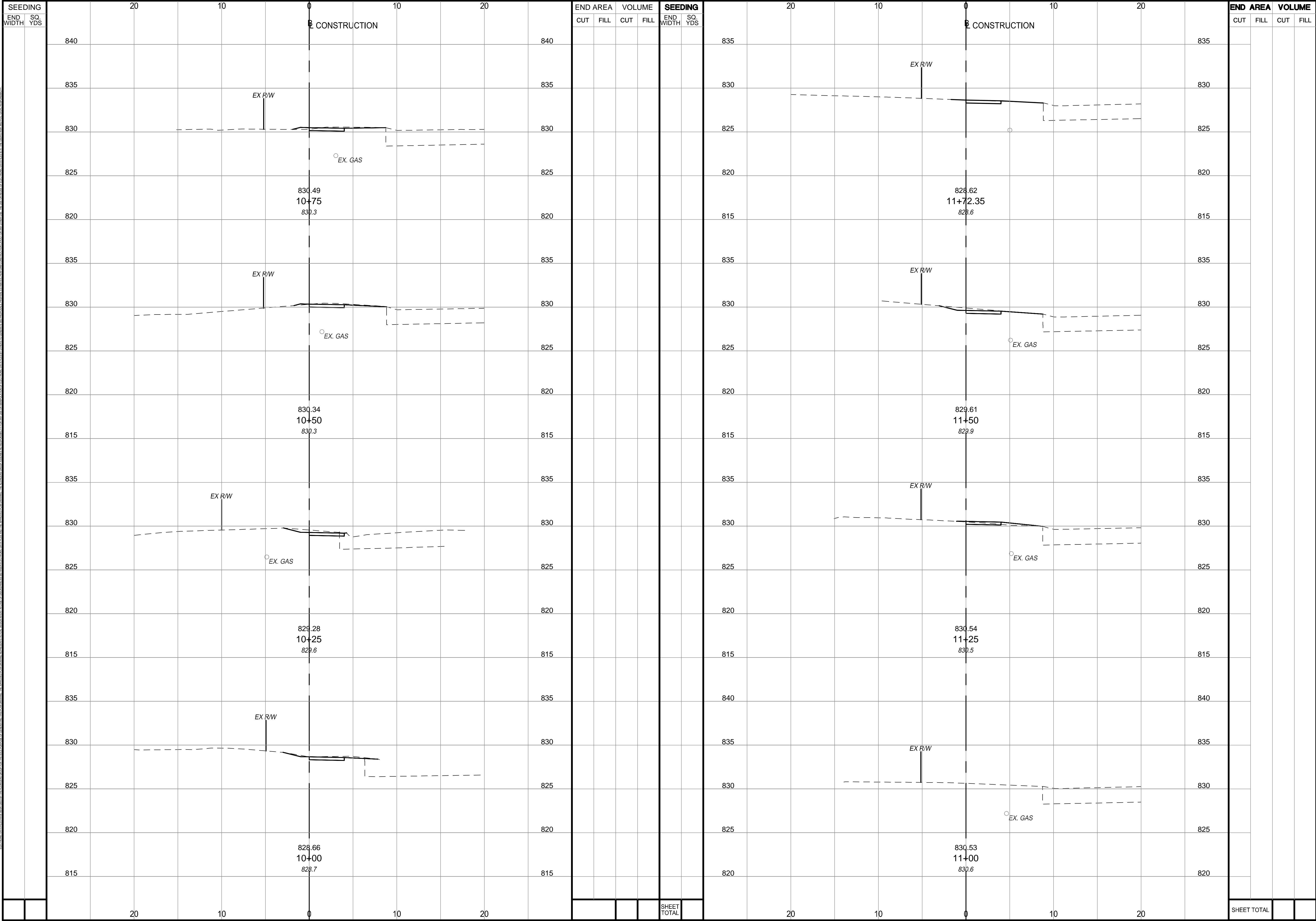


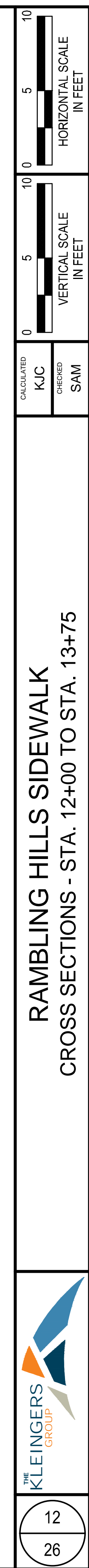
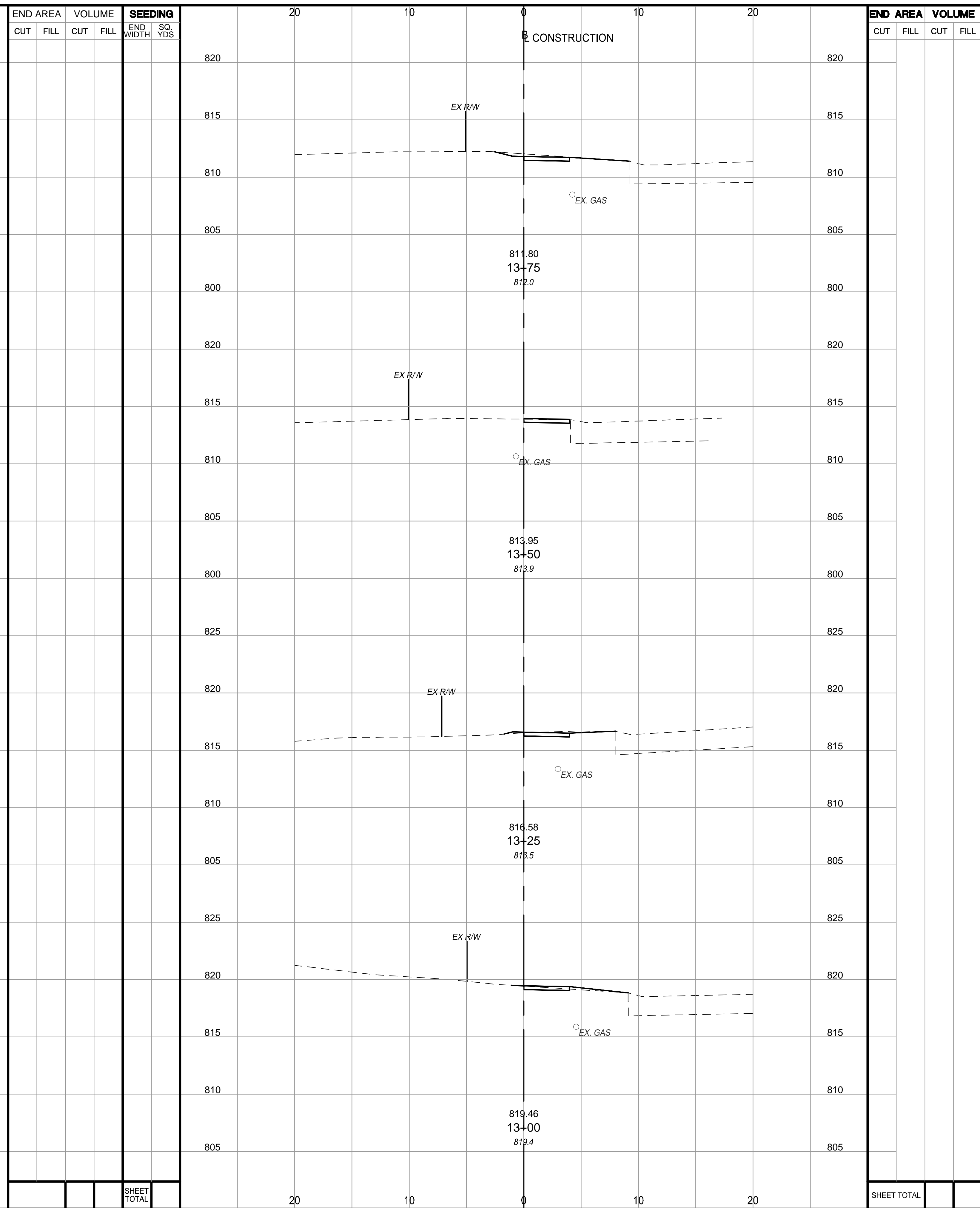
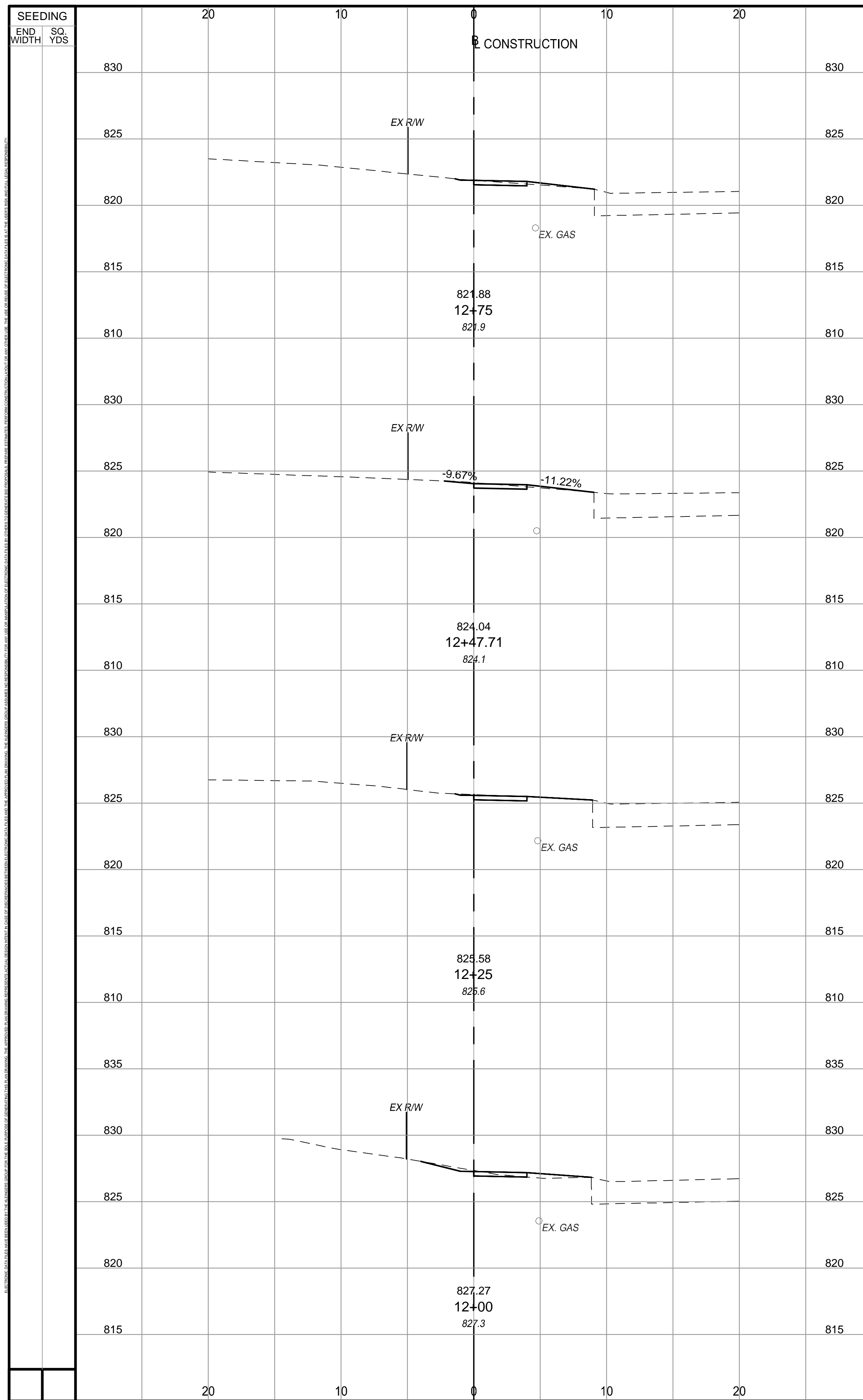


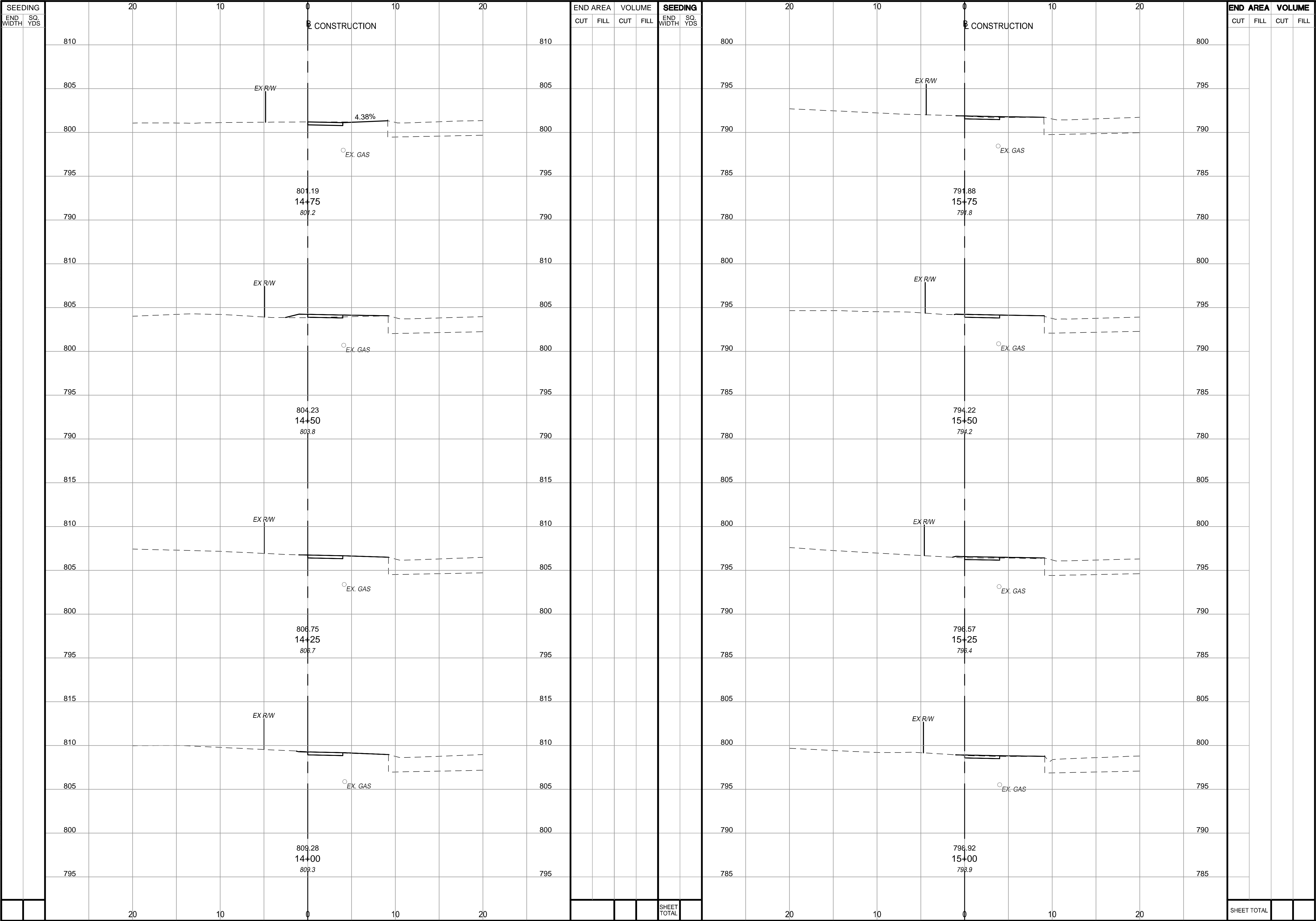




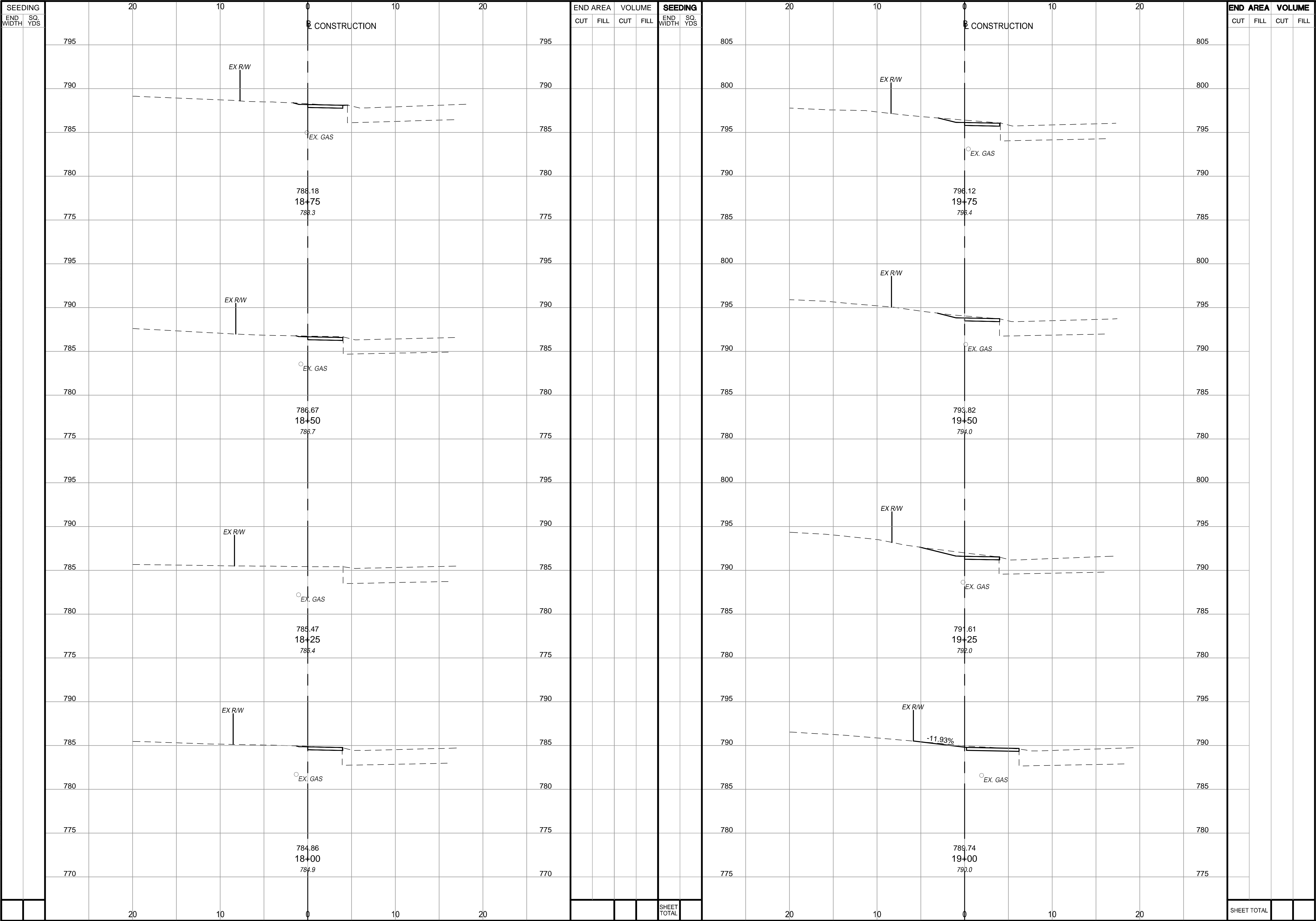








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RAMBLING HILLS SIDEWALK
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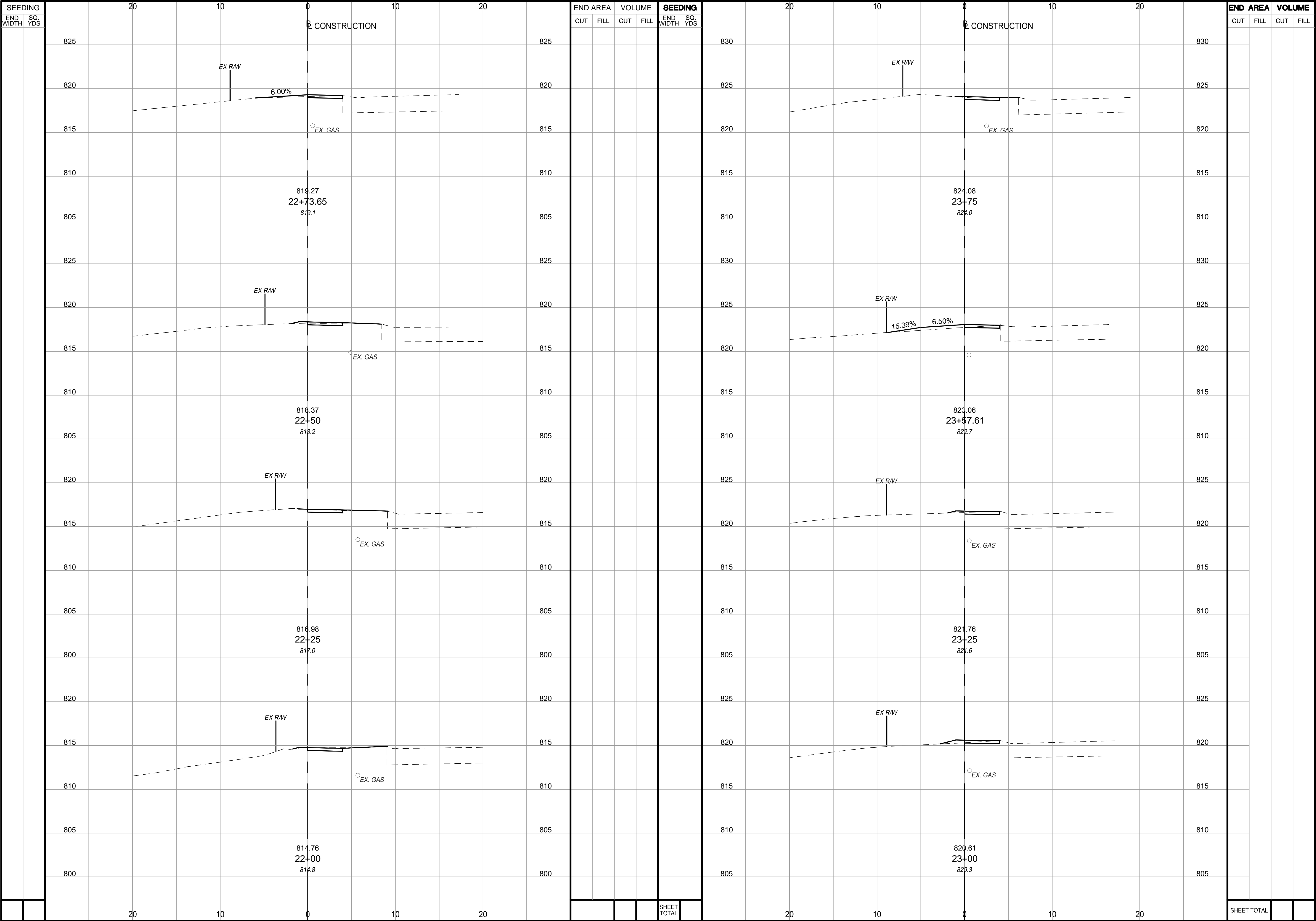
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SEEDING				END AREA				VOLUME				SEEDING				END AREA				VOLUME			
END WIDTH		SQ. YDS		CUT		FILL		CUT		FILL		END WIDTH		SQ. YDS		CUT		FILL		CUT		FILL	
				CONSTRUCTION								CONSTRUCTION								CONSTRUCTION			
820								820				810								810			
815				EX R/W				815				805				EX R/W				805			
810								810				800								800			
805								805				795								795			
800				810.68 29+00 811.1				800				790				803.62 30+00 803.8				790			
820								820				810								810			
815				EX R/W				815				805				EX R/W				805			
810				11.54%				810				800				13.50%				800			
805								805				795				16.93%				795			
800				812.63 28+72.11 812.8				800				790				805.09 29+79.34 805.5				790			
820								820				815								815			
815				EX R/W				815				810				EX R/W				810			
810								810				805								805			
805								805				800								800			
800				814.18 28+50 814.6				800				795				807.23 29+50 807.4				795			
825								825				815								815			
820				EX R/W				820				810				EX R/W				810			
815								815				805								805			
810								810				800								800			
805				815.90 28+25 816.3				805				795				808.95 29+25 809.3				795			
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SHEET TOTAL								SHEET TOTAL								SHEET TOTAL							

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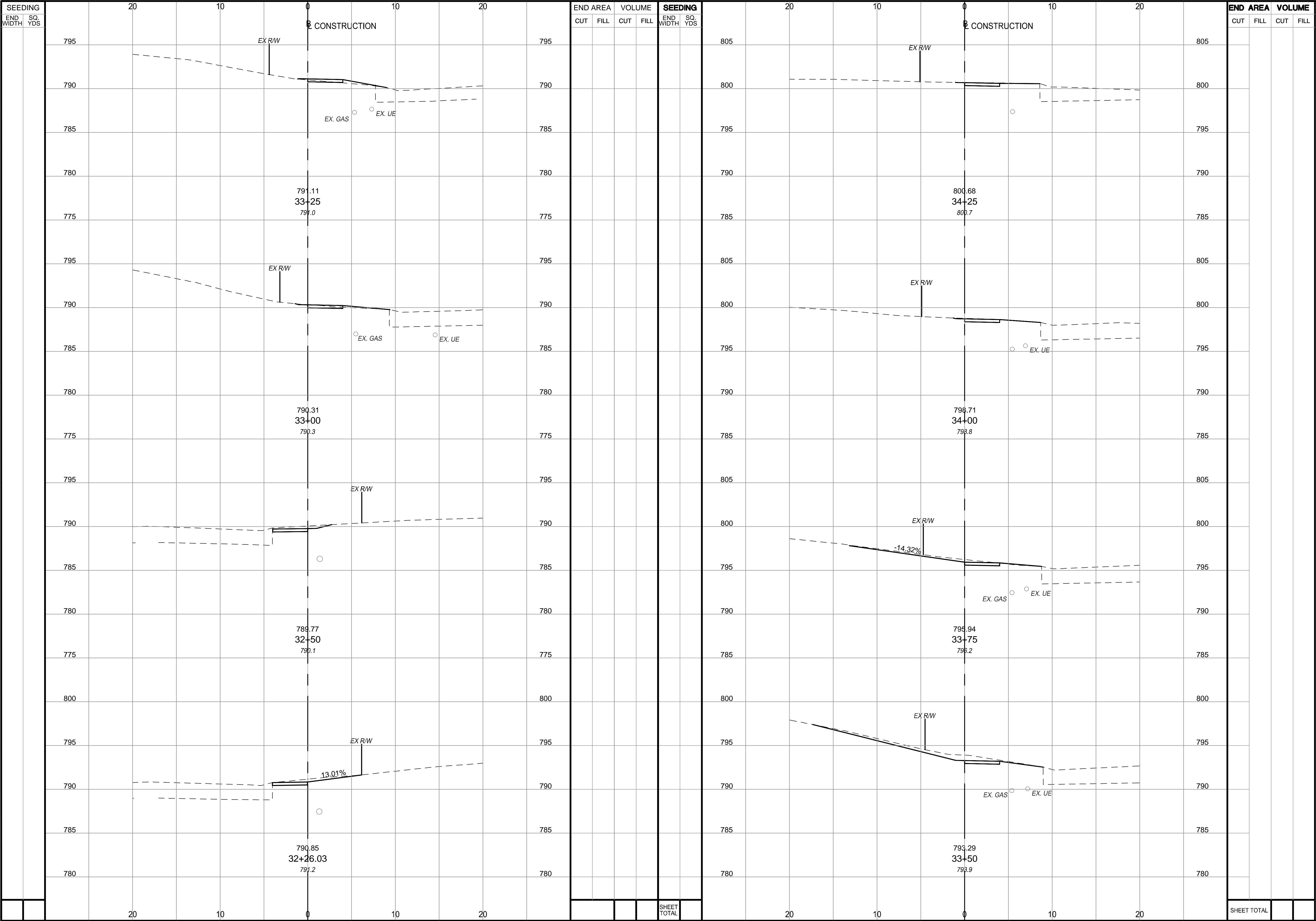
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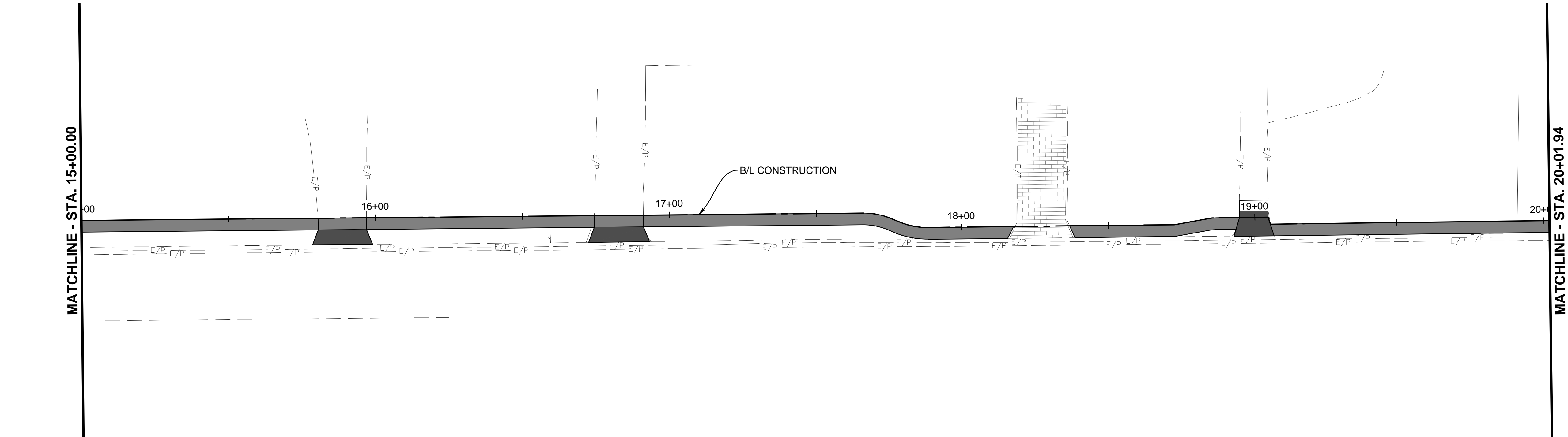
RAMBLING HILLS SIDEWALK
CROSS SECTIONS - STA. 28+25 TO STA. 30+00

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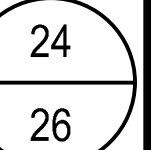
THE KLEINGERS GROUP

SEEDING		END AREA		VOLUME		SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS	CUT	FILL	CUT	FILL	END WIDTH	SQ. YDS	CUT	FILL	CUT	FILL
		CONSTRUCTION								CONSTRUCTION	
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- (CW) ITEM 644 - CROSSWALK LINE, WHITE, 24"
- (SL) ITEM 644 - STOP LINE, WHITE



- (CW) ITEM 644 - CROSSWALK LINE, WHITE, 24"
 (SL) ITEM 644 - STOP LINE, WHITE

