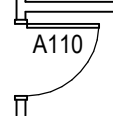
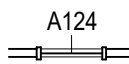
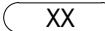
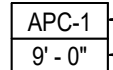
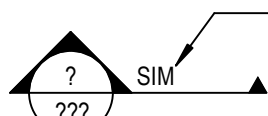
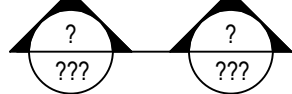


ISSUE FOR: SITE PLAN SUBMITTAL  
DATE: JUNE 16, 2023

| GENERAL    |                                                     | ARCHITECTURAL |                                  |
|------------|-----------------------------------------------------|---------------|----------------------------------|
| G0.1       | COVER SHEET                                         | A4.1          | EXTERIOR ELEVATIONS              |
| .CODE:     |                                                     |               |                                  |
| CP1.1      | LEVEL 01 & LEVEL 02 - CODE PLAN                     | ELECTRICAL    |                                  |
| CIVIL      |                                                     | E0.01         | SITE PHOTOMETRICS PLAN           |
| C1.0       | CIVIL INFORMATION PLAN                              | E0.02         | ELECTRICAL DETAILS AND SCHEDULES |
| C1.1       | EXISTING CONDITIONS AND DEMOLITION PLAN 1           |               |                                  |
| C1.2       | EXISTING CONDITIONS AND DEMOLITION PLAN 2 - ALT. #1 |               |                                  |
| C1.3       | UTILITY PLAN                                        |               |                                  |
| C1.4       | SWS LINE 1 PLAN & PROFILE                           |               |                                  |
| C1.5       | SWS LINE 2 AND 4 PLAN & PROFILE                     |               |                                  |
| C1.6       | SWS LINE 3 PLAN & PROFILE                           |               |                                  |
| C1.7       | SWS LINE 5-7 PLAN & PROFILE                         |               |                                  |
| C1.8       | FIBER OPTIC CONNECTION PLAN                         |               |                                  |
| C1.9       | PAVING PLAN 1                                       |               |                                  |
| C1.10      | PAVING PLAN 2                                       |               |                                  |
| C1.11      | GRADING PLAN 1                                      |               |                                  |
| C1.12      | GRADING PLAN 2                                      |               |                                  |
| C1.13      | EROSION CONTROL PLAN 1                              |               |                                  |
| C1.14      | EROSION CONTROL PLAN 2                              |               |                                  |
| C2.0       | UTILITY DETAILS                                     |               |                                  |
| C2.1       | PAVING DETAILS                                      |               |                                  |
| C2.2       | EROSION CONTROL DETAILS                             |               |                                  |
| LANDSCAPE: |                                                     |               |                                  |
| L1.0       | OVERALL LAYOUT PLAN                                 |               |                                  |
| L2.0       | OVERALL LANDSCAPE PLAN                              |               |                                  |
| L4.0       | LANDSCAPE DETAILS                                   |               |                                  |

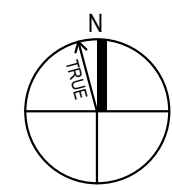
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| ARCHITECTURAL SYMBOLS                                                                 |                                                  |
|---------------------------------------------------------------------------------------|--------------------------------------------------|
|    | CASEWORK ELEVATION                               |
|    | DOOR NUMBER                                      |
|   | INTERIOR WINDOW NUMBER                           |
|  | EXTERIOR WINDOW / CURTAIN WALL NUMBER            |
|  | WALL TYPE                                        |
|  | CEILING TYPE<br>CEILING HEIGHT                   |
| GENERAL SYMBOLS                                                                       |                                                  |
|  | DETAIL NUMBER<br>CROSS REFERENCE<br>SHEET NUMBER |
|  | BUILDING ELEVATION                               |
|  | INTERIOR ELEVATION                               |
|  | SIMILAR OR TYPICAL REFERENCE<br>WALL SECTION     |
|  | DETAIL REFERENCE                                 |
|  | BUILDING SECTION                                 |
|  | SHEET NOTE                                       |
|  | REFERENCE KEYNOTE                                |
|  | EARTH                                            |
|  | GRAVEL                                           |
|  | SAND                                             |
|  | CONCRETE                                         |
|  | PRECAST CONCRETE                                 |
|  | STEEL                                            |
|  | STONE                                            |
|  | CONCRETE MASONRY UNIT                            |
|  | BRICK VENEER                                     |
|  | GYM FLOOR                                        |
|  | WOOD (CONTINUOUS BLOCKING)                       |
|  | WOOD (NON-CONTINUOUS BLOCKING)                   |
|  | WOOD (TRIM/FINISH)                               |
|  | GLASS                                            |
|  | SHINGLES                                         |
|  | PLYWOOD (LARGE SCALE)                            |

|                    |                                                                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OWNER:</b>      | <b>SMITHVILLE R-II SCHOOL DISTRICT</b><br>655 S. COMMERCIAL AVE<br>SMITHVILLE, MO 64089<br>(816) 532-4192<br>Contact Person: ROBERT HEDGECORTH |
| <b>ARCHITECT:</b>  | <b>DLR GROUP</b><br>7290 West 133rd Street<br>OVERLAND PARK, KS 66213<br>(913) 685-5644<br>Contact Person: MEGHAN MASTERSON                    |
| <b>MEP:</b>        | <b>DLR GROUP</b><br>7290 West 133rd Street<br>OVERLAND PARK, KS 66213<br>(913) 913-685-5618<br>Contact Person: JOSHUA WETZIG                   |
| <b>STRUCTURAL:</b> | <b>DLR GROUP</b><br>7290 West 133rd Street<br>OVERLAND PARK, KS 66213<br>(913) 913-685-5618<br>Contact Person: DEREK SMITH                     |

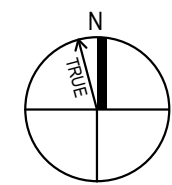
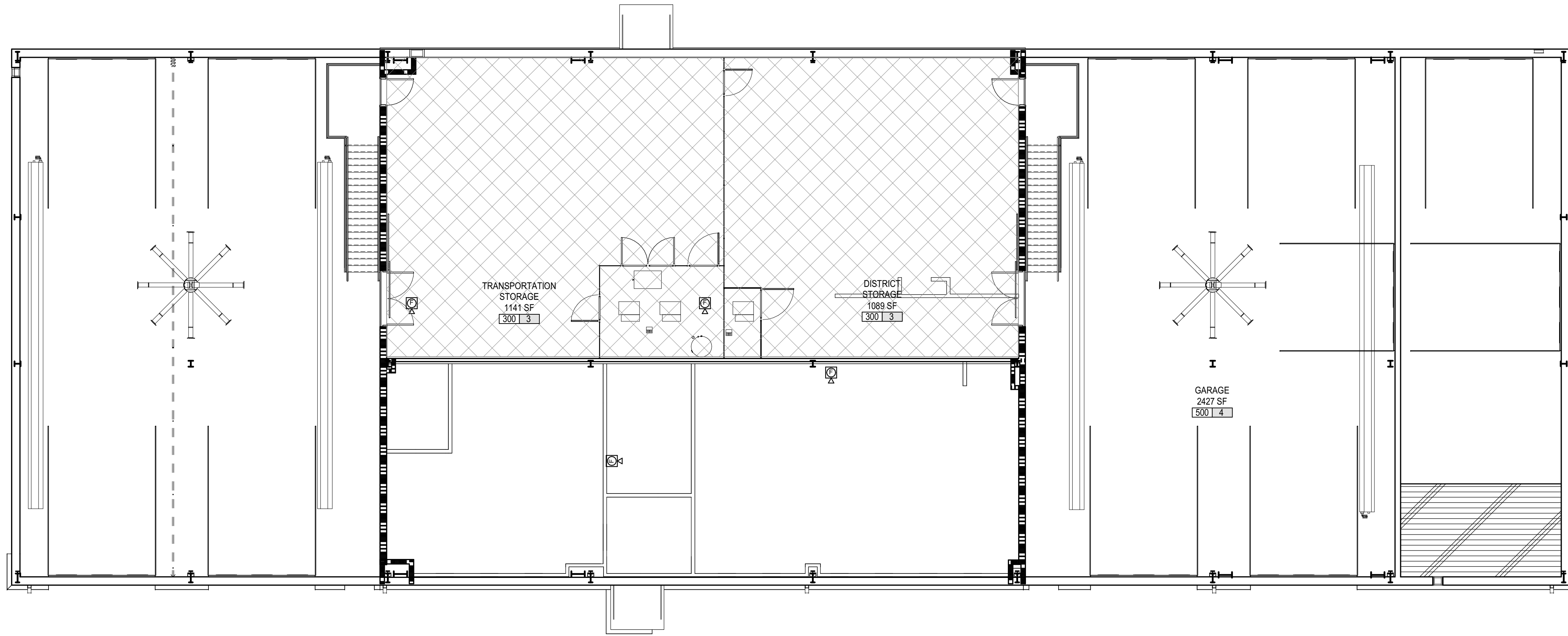


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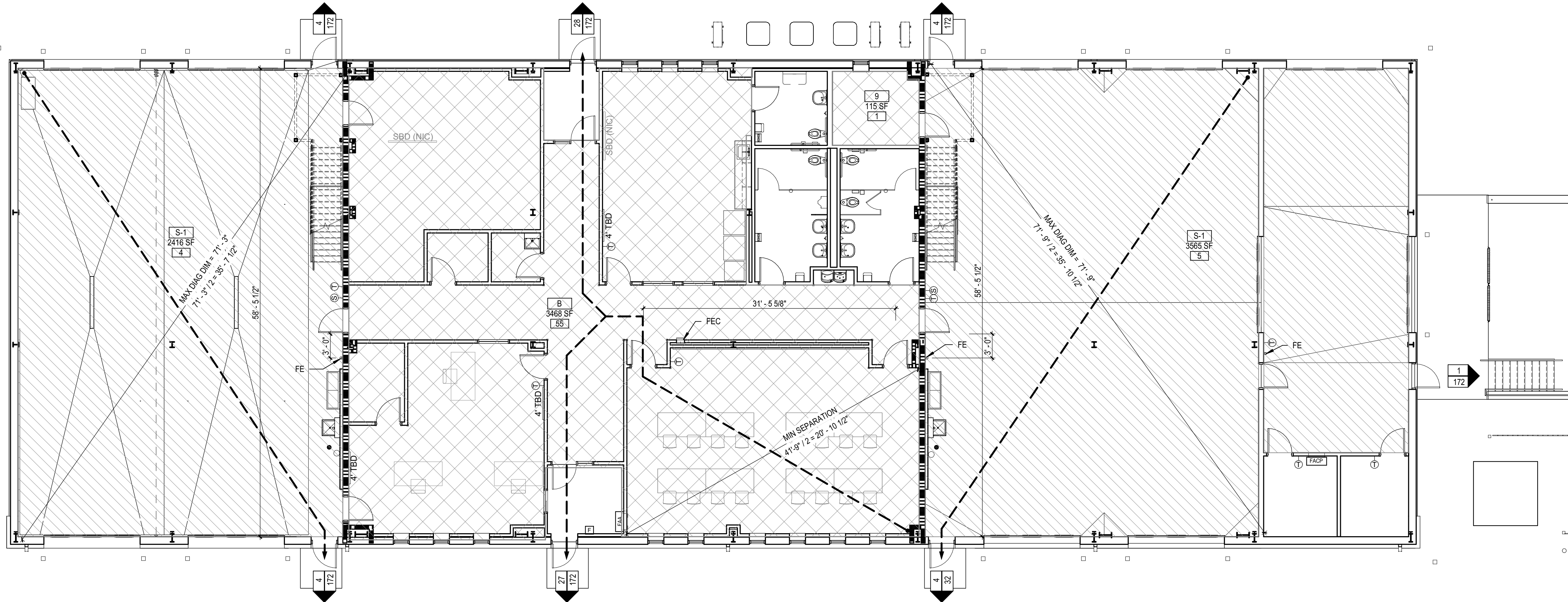
## CODE PLAN, MEZZANINE

SCALE: 1/8" = 1'-0"

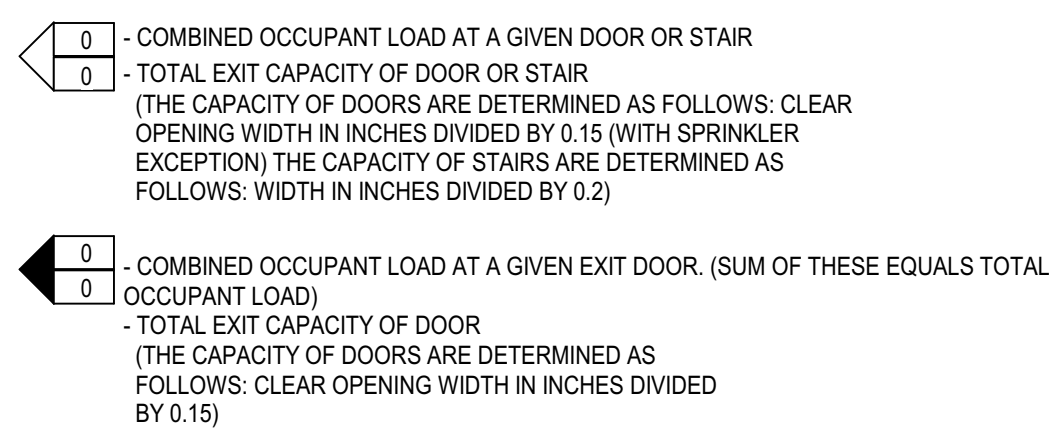
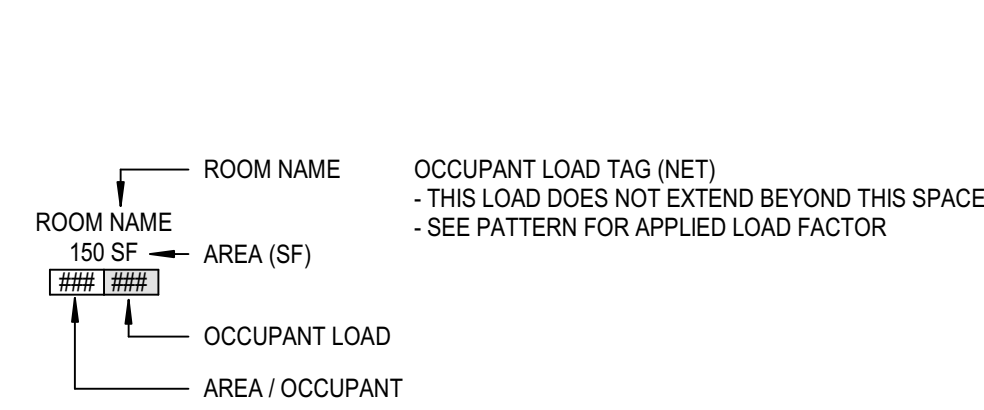


## CODE PLAN, LEVEL 1

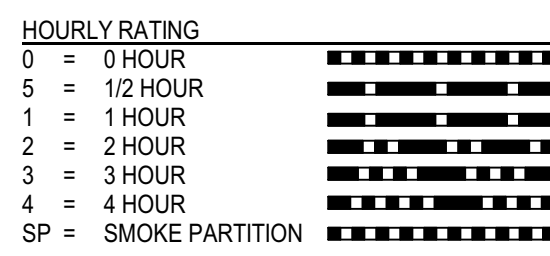
SCALE: 1/8" = 1'-0"



### LEGEND - CODE FLOOR PLANS



### SEPARATION LEGEND



### PLUMBING CALCULATIONS

| OCCUPANCY CLASSIFICATION | OCCUPANTS         | WATERCLOSETS                          |        |        | LAVATORIES                            |        |        | WATER FOUNTAINS |   | OTHER          |
|--------------------------|-------------------|---------------------------------------|--------|--------|---------------------------------------|--------|--------|-----------------|---|----------------|
|                          |                   | MALE                                  | FEMALE | UNISEX | MALE                                  | FEMALE | UNISEX |                 |   |                |
| BUSINESS                 | 57<br>57 / 2 = 28 | 1/25 FOR FIRST 50, 1/50 FOR REMAINDER | 2      | 2      | 1/40 FOR FIRST 80, 1/80 FOR REMAINDER | 2      | 2      | 1/100           | 1 | 1 SERVICE SINK |
| STORAGE                  | 9                 | 1/100                                 |        | 1      | 1/100                                 |        | 1      | 1/100           | 1 | 1 SERVICE SINK |
|                          |                   | TOTAL REQUIRED                        | 2      | 2      | 1                                     | 2      | 2      | 1               | 2 | 1 SERVICE SINK |
|                          |                   | TOTAL PROVIDED                        | 2      | 2      | 1                                     | 2      | 2      | 1               | 2 | 3 SERVICE SINK |

### BUILDING CODE SUMMARY

|                              |                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPLICABLE CODES:            | 2018 INTERNATIONAL BUILDING CODE<br>2017 NATIONAL ELECTRICAL CODE<br>2018 INTERNATIONAL MECHANICAL CODE<br>2018 INTERNATIONAL PLUMBING CODE<br>2018 INTERNATIONAL ENERGY CONSERVATION CODE<br>2010 ADA STANDARD FOR ACCESSIBLE DESIGN<br>SMITHVILLE AREA FIRE PROTECTION DISTRICT<br>CITY OF SMITHVILLE AND CLAY COUNTY MO |
| LOCAL FIRE DEPARTMENT:       | NOT REQUIRED PER 903.2.9.1                                                                                                                                                                                                                                                                                                 |
| LOCAL BUILDING JURISDICTION: | YES, EXCEPT MEZZANINE PER IBC 1103.2.7 EXCEPTION                                                                                                                                                                                                                                                                           |
| ACCESSIBILITY STANDARD:      | 105 OCCUPANTS<br>5 FULL TIME EMPLOYEES<br>IIB                                                                                                                                                                                                                                                                              |
| TOTAL OCCUPANT LOAD:         | 16,625 SQUARE FEET                                                                                                                                                                                                                                                                                                         |
| CONSTRUCTION TYPE:           | 10,654 SQUARE FEET - LEVEL 01<br>2,395 SQUARE FEET - MEZZANINE (9,338 / 3 = 3,130 > 2,395)<br>13,052 SQUARE FEET                                                                                                                                                                                                           |
| ALLOWABLE AREA:              | 55'-0"<br>23'-10"                                                                                                                                                                                                                                                                                                          |
| BUILDING AREA:               |                                                                                                                                                                                                                                                                                                                            |
| TOTAL BUILDING AREA:         |                                                                                                                                                                                                                                                                                                                            |
| MAX ALLOWABLE HEIGHT:        |                                                                                                                                                                                                                                                                                                                            |
| ACTUAL HEIGHT:               |                                                                                                                                                                                                                                                                                                                            |
| OCCUPANCY SEPARATIONS:       | NON-SEPARATED BETWEEN GROUP B (BUSINESS) AND S-1 (MOTOR VEHICLE REPAIR GARAGE) PER TABLE 508.4                                                                                                                                                                                                                             |



05/06/2323  
Architect: Meghan Masterson  
A-2018000598



SMITHVILLE TRANSPORTATION CENTER  
SMITHVILLE R-II SCHOOL DISTRICT  
NORTHWEST CORNER OF COMMERCIAL AVENUE AND 92  
HIGHWAY, SMITHVILLE, MO 64083

SITE PLAN  
SUBMITTAL  
JUNE 16, 2023  
REVISIONS

13-23111-00  
LEVEL 01 & LEVEL  
02 - CODE PLAN

CP1.1



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Jun 16, 2023 10:45am

UTILITY CONTACTS

WATER  
CITY OF SMITHVILLE  
BOB LEMLEY  
1 HELVEY PARK DR.  
SMITHVILLE, MO  
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UTILITIES@SMITHVILLE.ORG

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GAS  
SPIRE ENERGY  
BEVERLY PASSANTINO  
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BEVERLY.PASSANTINO

CABLE  
CHARTER-SPECTRUM  
8221 W. 119TH STREET  
OVERLAND PARK, KS 66213  
JOSH CUBLEY  
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816-601-2504  
JOSH.CUBLEY@CHARTER.COM

TELEPHONE  
2121 E 63RD STREET RM C101  
KANSAS CITY, MO 64160  
JILL SCHROEDER  
MANAGER OSP PLANNING & ENGINEERING DESIGN  
T:816-772-0102  
M:816-803-9768  
JB0311@ATT.COM

LEGEND

|  |                                 |
|--|---------------------------------|
|  | - TREE AND DIAMETER             |
|  | - TREE AND DIAMETER             |
|  | - TREE STUMP AND DIAMETER       |
|  | - TREE STUMP AND DIAMETER       |
|  | - SIGN                          |
|  | - BUSH                          |
|  | - MAIL BOX                      |
|  | - POLE                          |
|  | - GATE                          |
|  | - POST / BOLLARD                |
|  | - FLAG POLE                     |
|  | - FENCE                         |
|  | - EDGE OF TREES                 |
|  | - TELEPHONE RISER               |
|  | - UNDERGROUND TELEPHONE LINE    |
|  | - OVERHEAD TELEPHONE LINE       |
|  | - CABLE TV RISER                |
|  | - FIBER OPTICS INDICATOR SIGN   |
|  | - UNDERGROUND CABLE TV LINE     |
|  | - UNDERGROUND FIBER OPTIC CABLE |
|  | - POWER POLE AND DEADMAN        |
|  | - LIGHT POLE                    |
|  | - ELECTRIC TRANSFORMER          |
|  | - SCHOOL ZONE SIGNAL LIGHT      |
|  | - TRAFFIC CONTROL BOX           |
|  | - TRAFFIC SIGNAL LIGHT POLE     |
|  | - UNDERGROUND ELECTRIC LINE     |
|  | - OVERHEAD ELECTRIC LINE        |
|  | - GAS METER                     |
|  | - GAS VALVE                     |
|  | - GAS LINE                      |
|  | - SANITARY SEWER MANHOLE        |
|  | - CLEANOUT                      |
|  | - SANITARY SEWER LINE           |
|  | - INLET                         |
|  | - STORM WATER MANHOLE           |
|  | - ROOF DRAIN                    |
|  | - GRATE INLET                   |
|  | - EXISTING STORM SEWER PIPE     |
|  | - PROPOSED STORM SEWER PIPE     |
|  | - ROOF DRAIN LINE               |
|  | - PERFORATE DRAIN PIPE          |
|  | - FIRE HYDRANT                  |
|  | - WATER VALVE                   |
|  | - WATER METER                   |
|  | - MONITORING WELL               |
|  | - WATER METER VAULT             |
|  | - WATER SPIGOT                  |
|  | - WATER LINE                    |
|  | - FIRE PROTECTION LINE          |
|  | - IRRIGATION CONTROL VALVE      |
|  | - EXISTING MAJOR CONTOUR        |
|  | - EXISTING MINOR CONTOUR        |

GENERAL NOTES:

1. THE CONTRACTOR, **PRIOR TO** ANY EXCAVATION OR NEW CONSTRUCTION, SHALL HAVE UTILITIES FIELD LOCATED BY THE APPROPRIATE UTILITY COMPANY AND/OR CITY/COUNTY DEPARTMENT.
2. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THESE PLANS, REPRESENTS THE BEST INFORMATION AVAILABLE TO THE ENGINEER. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. HOWEVER, ALL UTILITIES ACTUALLY EXISTING MAY NOT BE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL UTILITIES WHETHER THESE UTILITIES ARE SHOWN ON THE PLANS, NOT SHOWN ON THE PLANS, OR SHOWN INCORRECTLY. UTILITIES DAMAGED THROUGH THE FAILURE OF THE CONTRACTOR TO OBTAIN THE LOCATION OF THOSE UTILITIES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE CONTRACTOR SHALL, PRIOR TO ANY EXCAVATION OR NEW CONSTRUCTION, HAVE ALL UTILITIES FIELD LOCATED BY THE APPROPRIATE UTILITY COMPANY, CITY OR COUNTY DEPARTMENT, OR ONE-CALL SERVICE.
3. THE SITE PLAN IS BASED ON A SURVEY OF THE SITE. CONDITIONS OF THE SITE AT THE TIME OF CONSTRUCTION MAY VARY FROM THE SURVEYED CONDITIONS. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION.
4. ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS SHALL BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED.
5. NO CHANGES TO THE APPROVED CONSTRUCTION PLANS WILL BE PERMITTED WITHOUT PRIOR APPROVAL OF THE DESIGN ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY PINS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY PINS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH PINS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
7. CONTRACTOR TO HAVE REGISTERED LAND SURVEYOR RESET SECTION CORNER MONUMENT IF DISTURBED DURING CONSTRUCTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES, DIMENSIONS, AND PLAN SCALES AND SHALL IMMEDIATELY NOTIFY THE OWNER/ENGINEER/ARCHITECT OF ANY SUCH DISCREPANCIES. ALL QUANTITIES, DIMENSIONS, AND PLAN SCALES PROVIDED ARE FOR GENERAL INFORMATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING ALL QUANTITIES NECESSARY FOR THE COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS IRRESPECTIVE OF THE QUANTITIES, DIMENSIONS, AND PLAN SCALES NOTED, NOT NOTED, OR NOTED INCORRECTLY.
9. ANY CURB, GUTTER, SIDEWALKS, AND PAVING THAT IS DAMAGED IN EXCESS OF THE CONSTRUCTION SHOWN IN THIS PLAN SET SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
10. ALL REMOVALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PER APPLICABLE STANDARDS (UNLESS OTHERWISE NOTED).
11. THE PAVEMENT SECTIONS SHOWN IN THESE PLANS ARE PROVIDED IN ACCORDANCE WITH THE RECOMMENDATIONS PRESENTED IN THE GEOTECHNICAL REPORT PREPARED FOR THE PROJECT UNDER THE TITLE "GEOTECHNICAL ENGINEERING REPORT - SMITHVILLE TRANSPORTATION CENTER" PREPARED BY KAW VALLEY ENGINEERING, DATED MARCH 21ST, 2023. CONSEQUENTLY, THE ENGINEER WHOSE SEAL APPEARS ON THESE PLANS IS NOT RESPONSIBLE FOR THE DURABILITY OR SUITABILITY OF THE PAVEMENT SECTIONS SHOWN.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL WHEN WORKING WITHIN THE PUBLIC RIGHT-OF-WAY. ALL SUCH TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL" AND/OR LOCAL JURISDICTION SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL ENSURE ALL TRAFFIC CONTROL DEVICES ARE CLEAN, PROPERLY VISIBLE, OPERATING CORRECTLY, AND LOCATED PROPERLY. THE CONTRACTOR SHALL IMMEDIATELY REPLACE ANY DAMAGED, DEFACED, OR INOPERABLE, OR MISSING TRAFFIC CONTROL DEVICES.
13. THE CONTRACTOR IS TO PROVIDE PERMANENT SEEDING, FERTILIZING, MULCHING OR SODDING OF ALL DISTURBED AREAS. THIS WORK TO BE DONE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
14. ALL SITE WORK FOR THIS PROJECT IS CONSIDERED "UNCLASSIFIED." THE TERM "UNCLASSIFIED" EXCAVATION SHALL BE DEFINED AS MEANING THE SITE CONTRACTOR BEARS THE ENTIRE RISK OF THE SOIL QUANTITIES AND/OR TYPES (E.G. ROCK, CLAY, PEAT, SILT, SHALE, ETC.) ENCOUNTERED ABOVE THE BOTTOM OF REQUIRED EXCAVATIONS AND OVER-EXCAVATED / TREATED SOILS AREAS. ABOVE THE BOTTOM OF REQUIRED EXCAVATIONS, THE SITE CONTRACTOR SHALL BEAR THE ENTIRE COST OF SUCH ADDITIONAL WORK IN THE EVENT IT BECOMES NECESSARY FOR UNSUITABLE SOILS TO BE HANDLED, REMOVED FROM THE SITE, OR FOR SUITABLE FILL MATERIAL TO BE IMPORTED TO THE SITE. THIS DEFINITION OF "UNCLASSIFIED" SUPERSEDES ANY CONTRARY DEFINITIONS OR STATEMENTS WHICH MAY BE CONTAINED IN THE SPECIFICATIONS, PLANS, OR OTHER CONTRACT DOCUMENTS. THE UNCLASSIFIED SITE SHALL INCLUDE ALL WORK ABOVE THE BOTTOM OF REQUIRED EXCAVATIONS AND/OR REQUIRED SOIL REMEDIATION/REPLACEMENT.
15. PROPOSED CONTOURS SHOWN ON THESE PLANS ARE FINAL SURFACE CONTOURS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ADJUSTMENTS FOR PAVEMENT THICKNESS, SUBGRADE THICKNESS, TOPSOIL, REMOVALS, ETC.



BRADEN L. TAYLOR  
LIC. #02101098



11627 W. 119th Street, Suite 200  
Overland Park, KS 66150  
Engineering No. 200709062  
Surveying No. 2008027138

SMITHVILLE TRANSPORTATION CENTER  
SMITHVILLE R-II SCHOOL DISTRICT  
NORTHWEST CORNER OF COMMERCIAL AVENUE AND 92  
HIGHWAY, SMITHVILLE, MO 65709

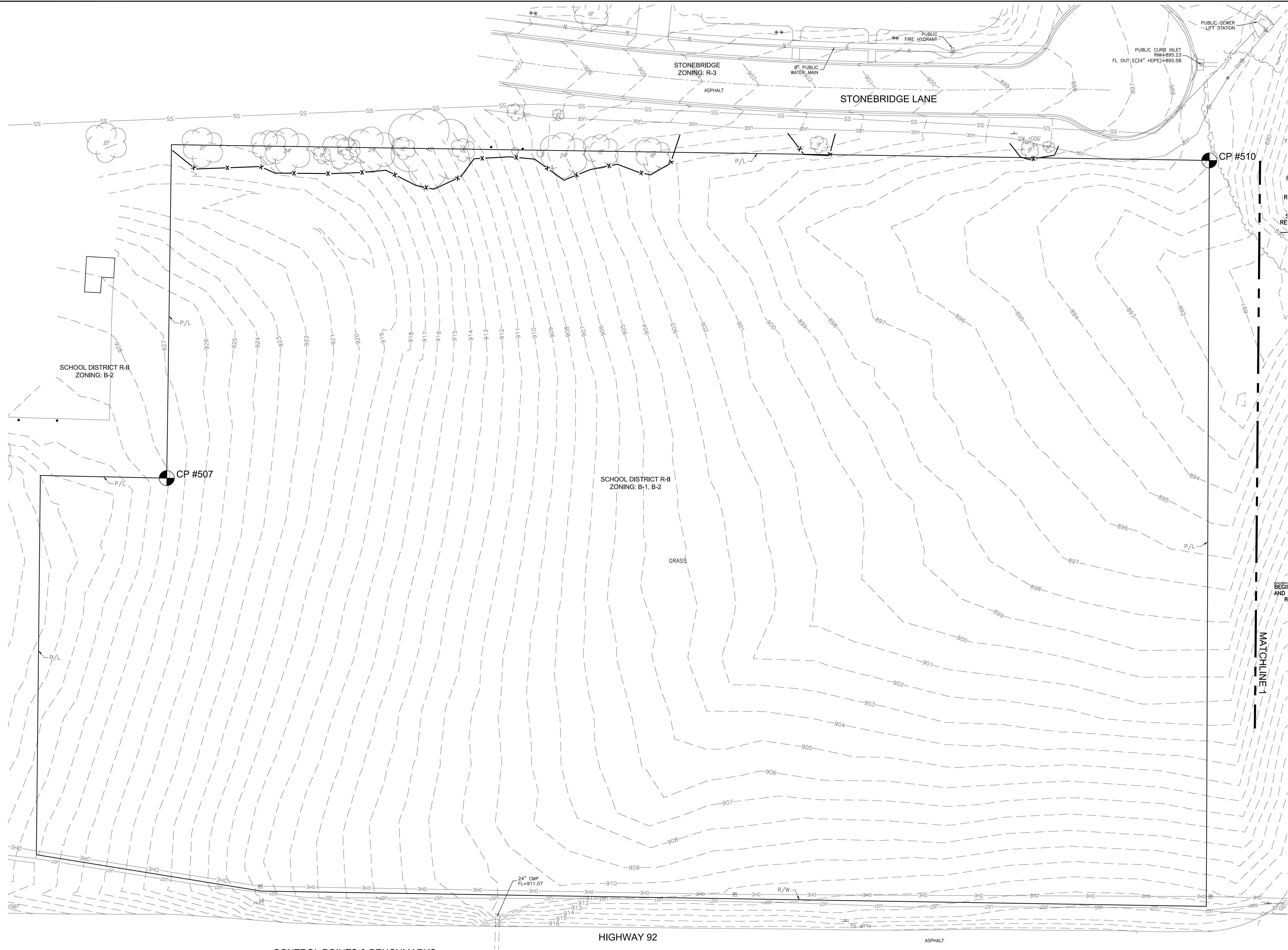
SITE PLAN  
SUBMITTAL  
JUNE 16, 2023  
Revisions

13-23111-00  
CIVIL  
INFORMATION  
PLAN

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#### CONTROL POINTS & BENCHMARKS

CP #517 5/8" REBAR W/ MKEC DESIGN CAP. N=1166304.821, E=2767573.477, ELEV.=894.99  
CP #507 1/2" REBAR WITH CAP LS 874. N=1166229.489, E=2766891.795, ELEV.=928.15  
CP #510 1/2" REBAR WITH CAP LS 1989. N=1166397.514, E=2767443.226, ELEV.=895.01

BM #1 CHISELED PLUS. TOP SE CURB 92 HWY ENTRANCE  
N=1166040.796, E=2767528.517, ELEV.=911.74

DATUM:  
THE HORIZONTAL DATUM IS BASED ON THE MISSOURI COORDINATE SYSTEM OF 1983,  
NAD83(2011), WEST ZONE. COORDINATES SHOWN ARE STATE PLANE GRID VALUES IN US FEET.

ALL ELEVATIONS SHOWN ARE BASED ON THE NAVD 88 VERTICAL DATUM, GEOID 18 IN US FEET.

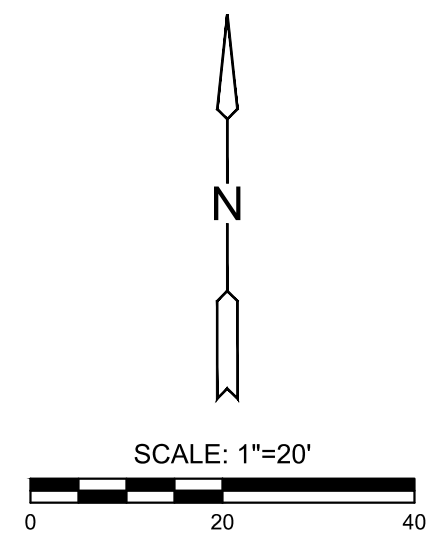
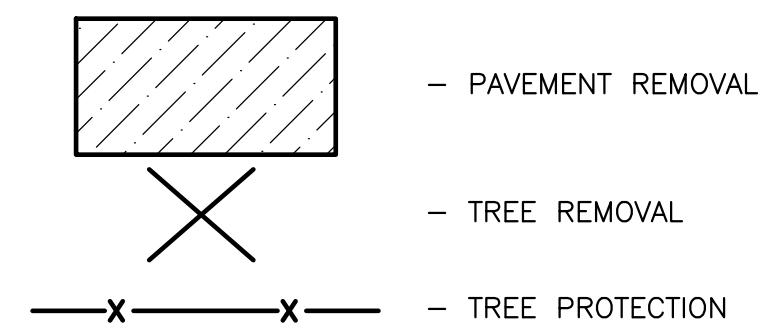
NOTE:  
ALL CONTROL POINTS SHOWN HAVE ELEVATIONS ESTABLISHED USING STANDARD SURVEYING  
PROCEDURES AND CAN BE USED AS TEMPORARY BENCHMARKS. WHEN USING A CONTROL POINT  
AS A TEMPORARY BENCHMARK, IT IS RECOMMENDED THAT CROSS-CHECKS BE MADE TO OTHER  
CONTROL POINTS OR BENCHMARKS TO CONFIRM ELEVATIONS PRIOR TO USE.

SEE PLAN FOR LOCATIONS.

#### DEMOLITION NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR AND REPLACE EXISTING CONCRETE SIDEWALKS, CURB & GUTTER, AND ANY EXISTING PAVEMENT DAMAGED DURING CONSTRUCTION.
- EXCAVATED MATERIAL THAT IS NOT IMMEDIATELY LOADED AND HAULED OFF SITE SHALL BE STOCKPILED ON SITE. CONTRACTOR SHALL PROVIDE AND MAINTAIN THE APPROPRIATE BMP (COMPOST SOCK, GRAVEL FILTER BAGS, WADDLES, SILT FENCE, ETC.) AROUND STOCKPILE AREA TO PROTECT ADJACENT INLETS OR AREAS, ETC., UNTIL SUCH TIME THAT STOCKPILE IS REMOVED.
- CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY PRIOR TO THE START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, RIGHT-OF-WAY, HAULING, AND LAND DISTURBANCE PERMITS WITH THE APPROPRIATE LOCAL JURISDICTION.
- CONTRACTOR SHALL DISPOSE OF ALL DEMOLITION ITEMS APPROPRIATELY PER LOCAL AND STATE REQUIREMENTS.

#### DEMOLITION LEGEND



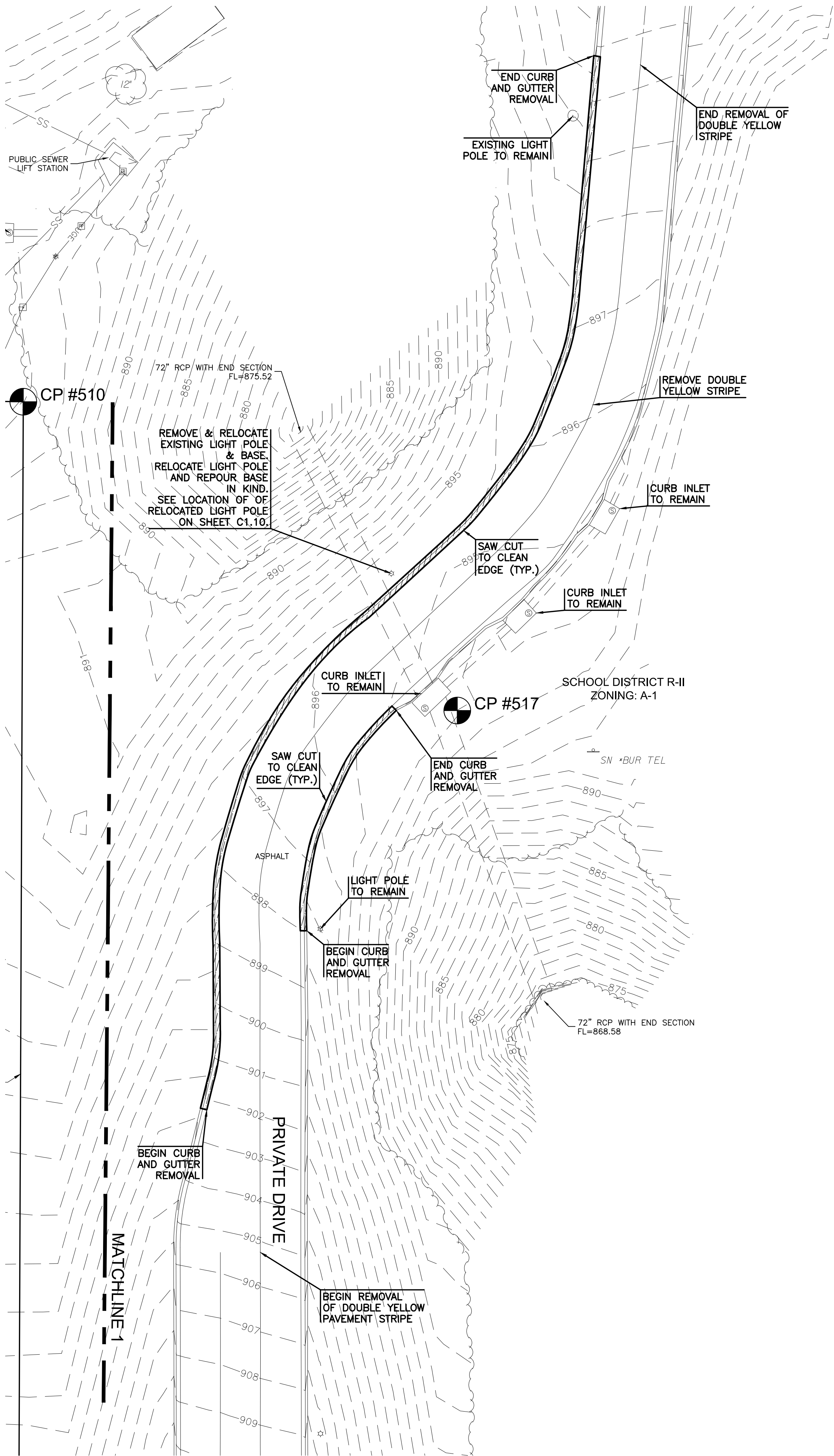


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NOTES:

- SEE SHEET C1.1 FOR DEMOLITION NOTES.
- DEMOLITION ACTIVITIES SHOWN ON THIS PLAN SHEET ARE TO BE BID AS ALTERNATE 1 FOR WIDENING THE ENTRANCE DRIVE. SEE PAVING PLAN C1.10 FOR DIMENSIONS IDENTIFYING THE LIMITS OF DRIVE WIDENING ALTERNATE.

BASE BID: ALL EXISTING CURB AND GUTTER SHOWN ON THIS PLAN IS TO REMAIN WITH THE EXCEPTION OF CURB AND GUTTER REMOVAL REQUIRED FOR PROPOSED DRIVE ENTRANCE. EXISTING LIGHT POLE SHOWN ON THIS PLAN TO BE RELOCATED SHALL REMAIN AND NOT BE RELOCATED.

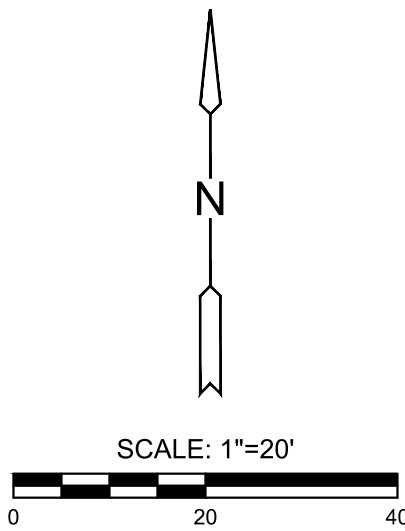


ALTERNATE #1 - EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1" = 20'

DEMOLITION LEGEND

- PAVEMENT REMOVAL
- TREE REMOVAL
- TREE PROTECTION



SMITHVILLE TRANSPORTATION CENTER

SMITHVILLE R-II SCHOOL DISTRICT

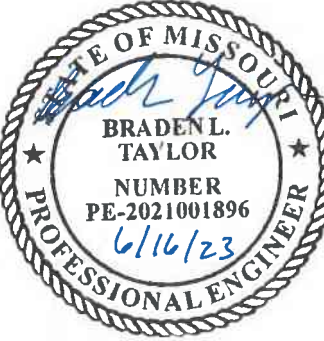
NORTHWEST CORNER OF COMMERCIAL AVENUE AND 92  
HIGHWAY, SMITHVILLE, MO 65709

SITE PLAN  
SUBMITTAL  
JUNE 16, 2023  
Revisions

13-23111-00

EXISTING  
CONDITIONS AND  
DEMOLITION PLAN  
2 - ALT. #1

C1.2

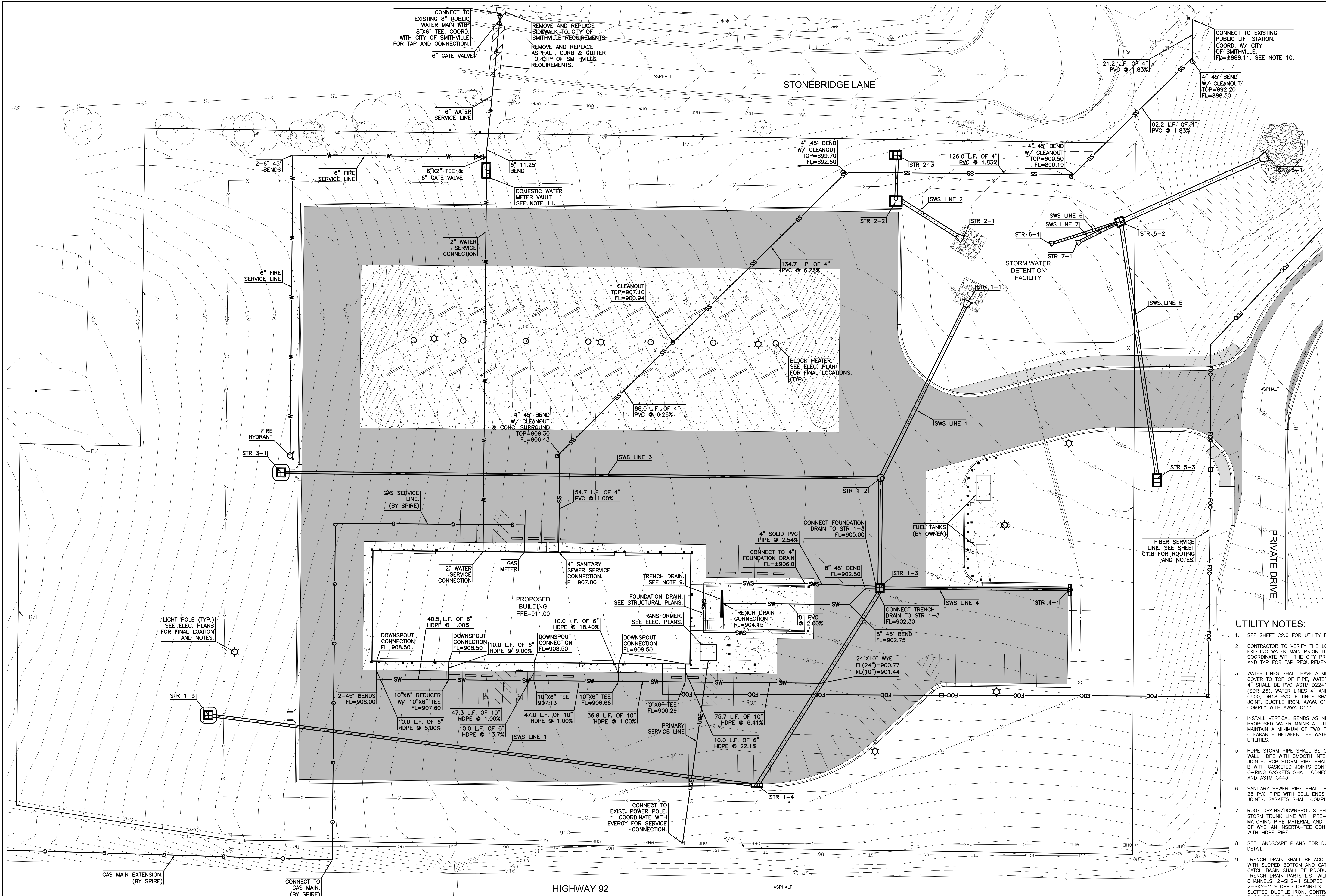


BRADEN L. TAYLOR  
LISC. #2021001896



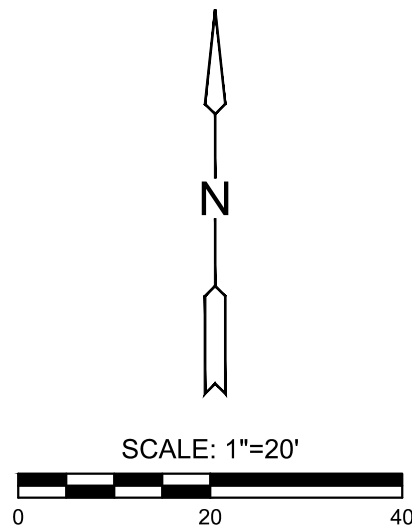


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#### UTILITY NOTES:

- SEE SHEET C2.0 FOR UTILITY DETAILS.
- CONTRACTOR TO VERIFY THE LOCATION AND SIZE OF EXISTING WATER MAIN PRIOR TO CONSTRUCTION. COORDINATE WITH THE CITY PRIOR TO EXCAVATION AND TAP FOR TAP REQUIREMENTS AND INSPECTIONS.
- WATER LINES SHALL HAVE A MINIMUM OF 42" OF COVER TO TOP OF PIPE. WATER LINES SMALLER THAN 4" SHALL BE PVC-ASTM D2241, IPS CLASS 160 (SDR 26). WATER LINES 4" AND LARGER SHALL BE C900, DR18 PVC. FITTINGS SHALL BE MECHANICAL JOINT, DUCTILE IRON, AWWA C110. BOLTS SHALL COMPLY WITH AWWA C111.
- INSTALL VERTICAL BENDS AS NECESSARY ON PROPOSED WATER MAINS AT UTILITY CROSSINGS TO MAINTAIN A MINIMUM OF TWO FEET OF VERTICAL CLEARANCE BETWEEN THE WATER MAIN AND OTHER UTILITIES.
- HDPE STORM PIPE SHALL BE CORRUGATED DUAL WALL HDPE WITH SMOOTH INTERIOR AND SOIL-TIGHT JOINTS. RCP STORM PIPE SHALL BE CLASS III, WALL B WITH GASKETED JOINTS CONFORMING TO ASTM C76. O-RING GASKETS SHALL CONFORM TO ASTM C361 AND ASTM C443.
- SANITARY SEWER PIPE SHALL BE ASTM D3034, SDR 26 PVC PIPE WITH BELL ENDS AND GASKETED JOINTS. GASKETS SHALL COMPLY WITH ASTM F477.
- ROOF DRAINS/DOWNSPOUTS SHALL BE CONNECTED TO STORM TRUNK LINE WITH PRE-MANUFACTURED WYE MATCHING PIPE MATERIAL AND JOINT TYPE. IN LIEU OF WYE, AN INSERTA-TEE CONNECTION CAN BE USED WITH HDPE PIPE.
- SEE LANDSCAPE PLANS FOR DOWNSPOUT CONNECTION DETAIL.
- TRENCH DRAIN SHALL BE ACO POWER DRAIN S200K WITH SLOPED BOTTOM AND CATCH BASIN. IN-LINE CATCH BASIN SHALL BE PRODUCT SK2-9020. TRENCH DRAIN PARTS LIST WILL BE 4 SLOPED CHANNELS, 2-SK2-1 SLOPED CHANNELS AND 2-SK2-2 SLOPED CHANNELS. GRATE SHALL BE SLOTTED DUCTILE IRON. CONTRACTOR TO SUBMIT SHOP DRAWING PRIOR TO INSTALLATION.
- PRIOR TO TRENCHING 4" PVC SANITARY SEWER SERVICE LINE, CONTRACTOR TO CONFIRM CONNECTION TO LIFT STATION VAULT WITH CITY OF SMITHVILLE. COORDINATE WITH ENGINEER OF RECORD IF FLOWLINE INTO LIFT STATION VAULT NEEDS TO BE ADJUSTED PER CITY COORDINATION AND INSPECTION.
- CONTRACTOR TO COORDINATE WITH THE CITY OF SMITHVILLE FOR THE DOMESTIC WATER METER INSTALLATION.
- SEE SHEETS C1.4-C1.7 FOR STORM WATER SEWER PLAN AND PROFILES.

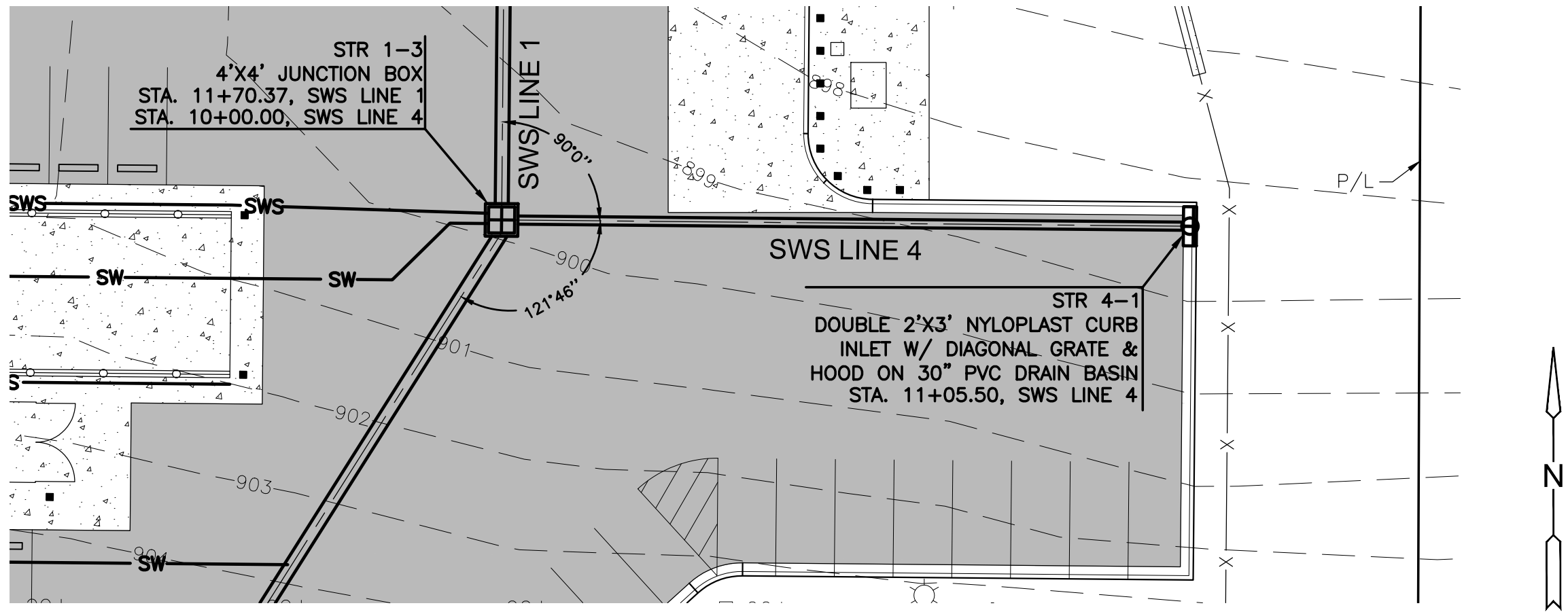
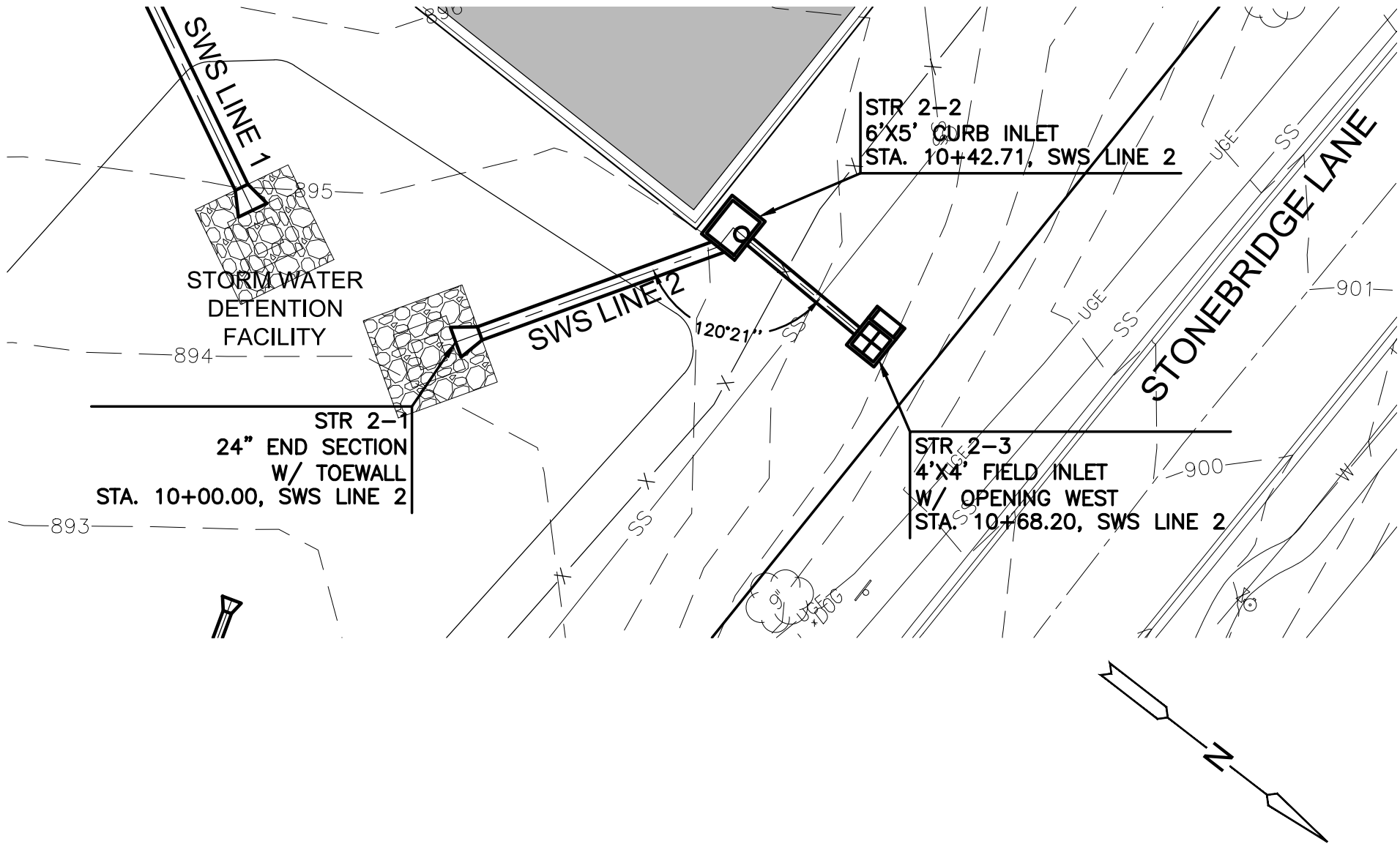




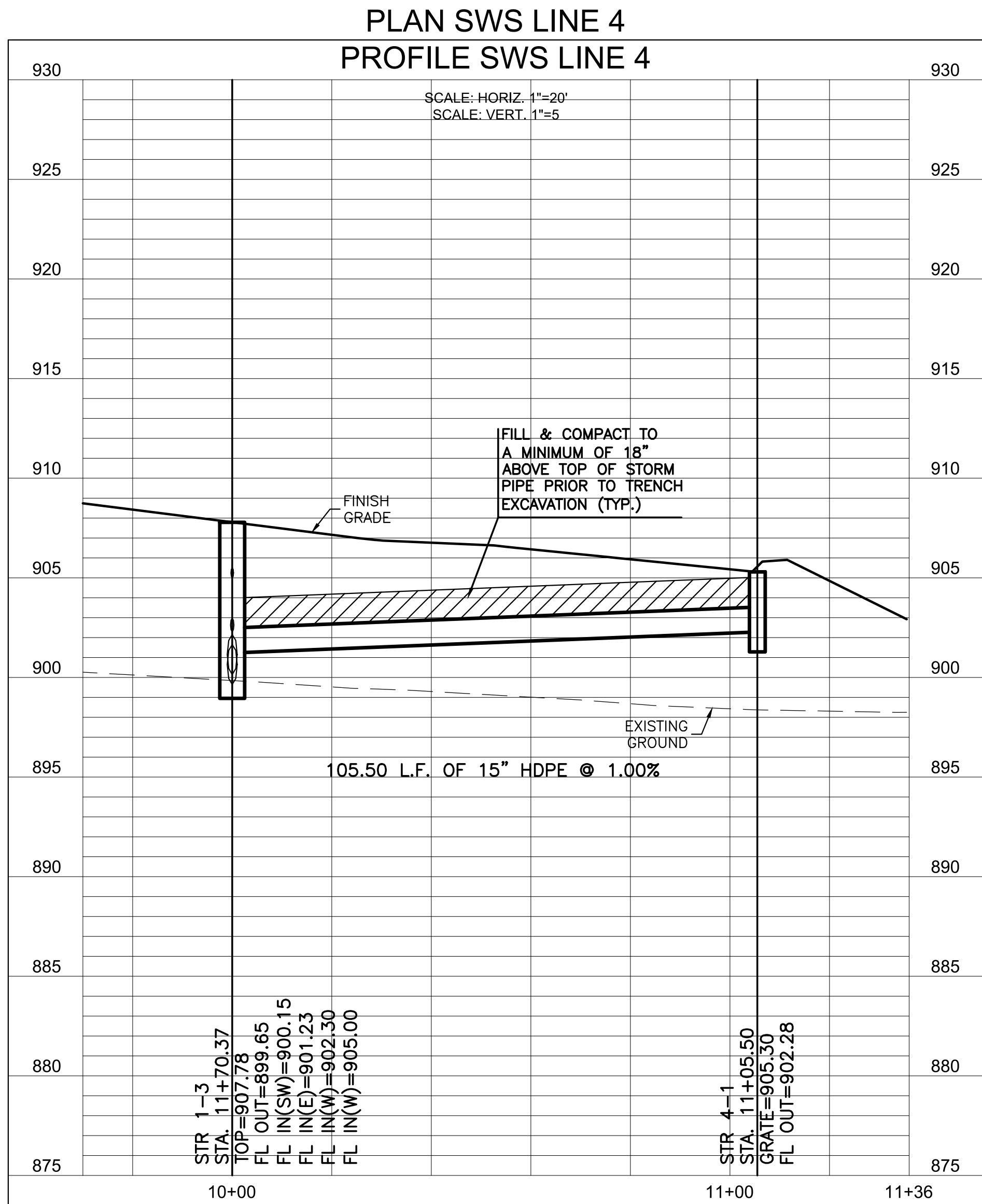
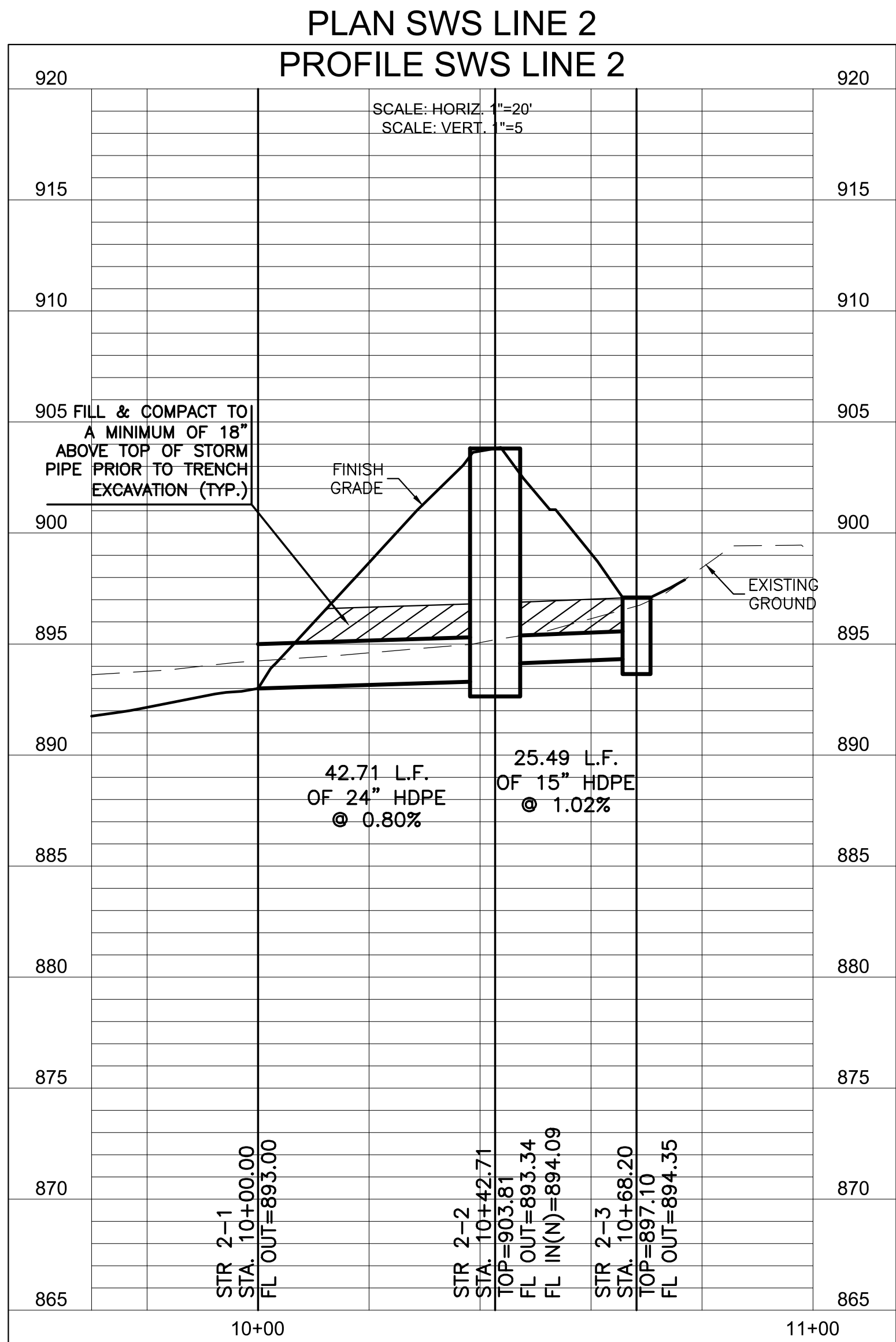
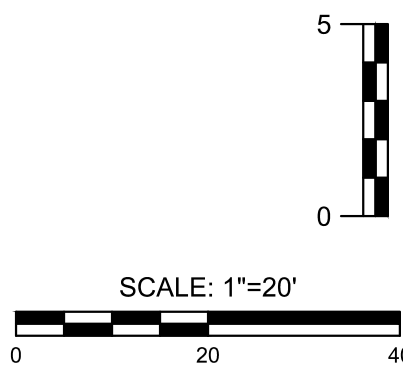




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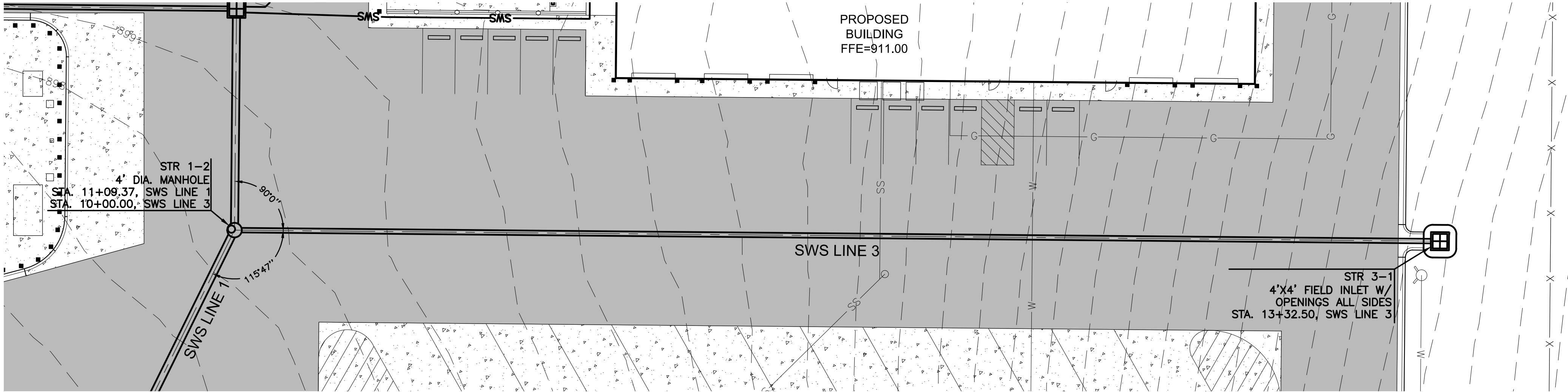


- NOTES:
- SEE SHEET C1.3 FOR UTILITY NOTES.

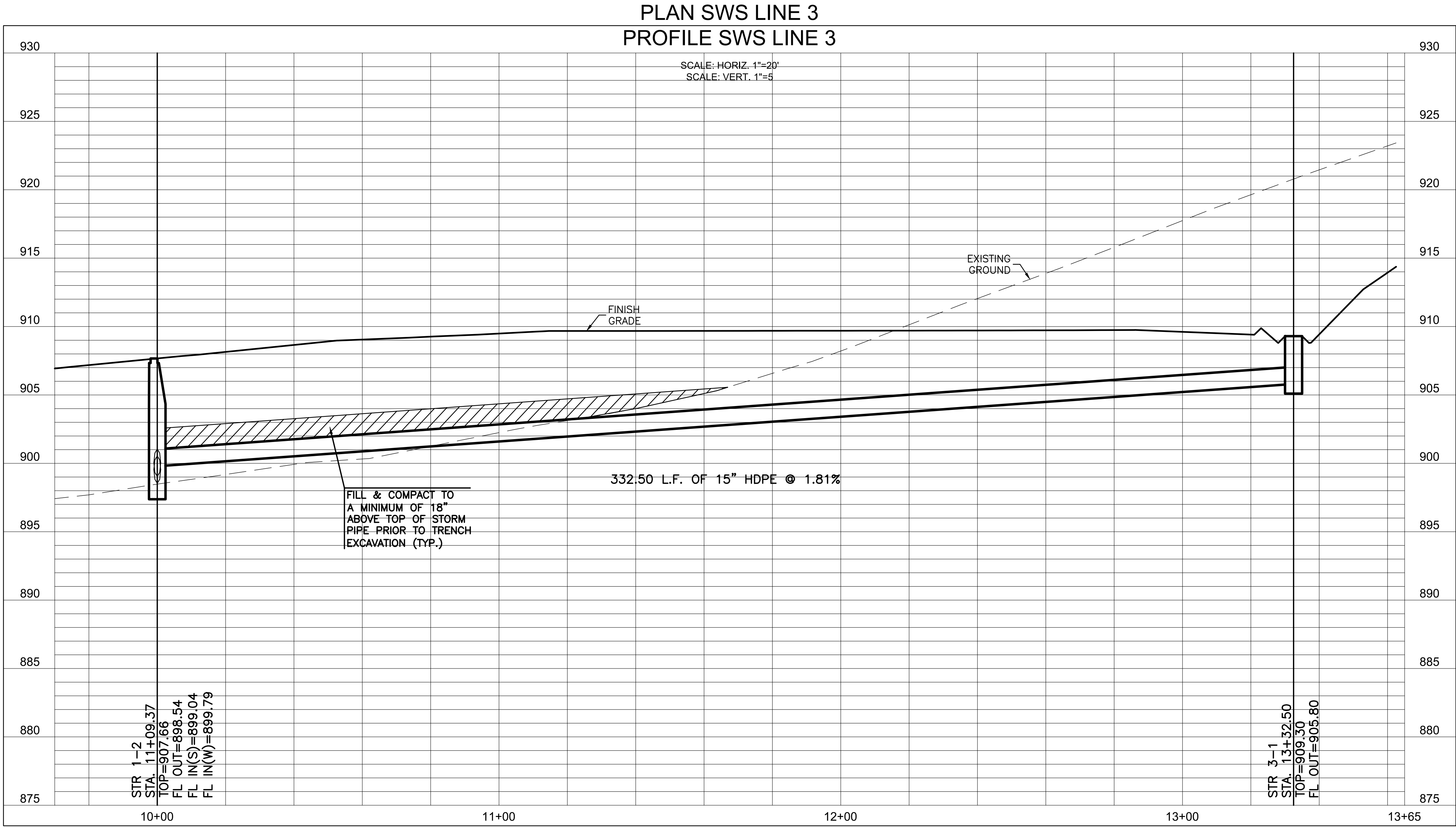
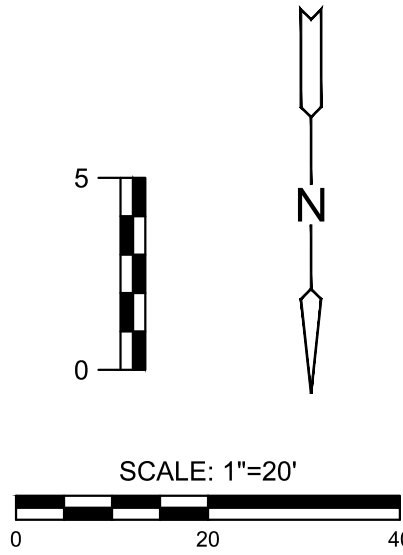




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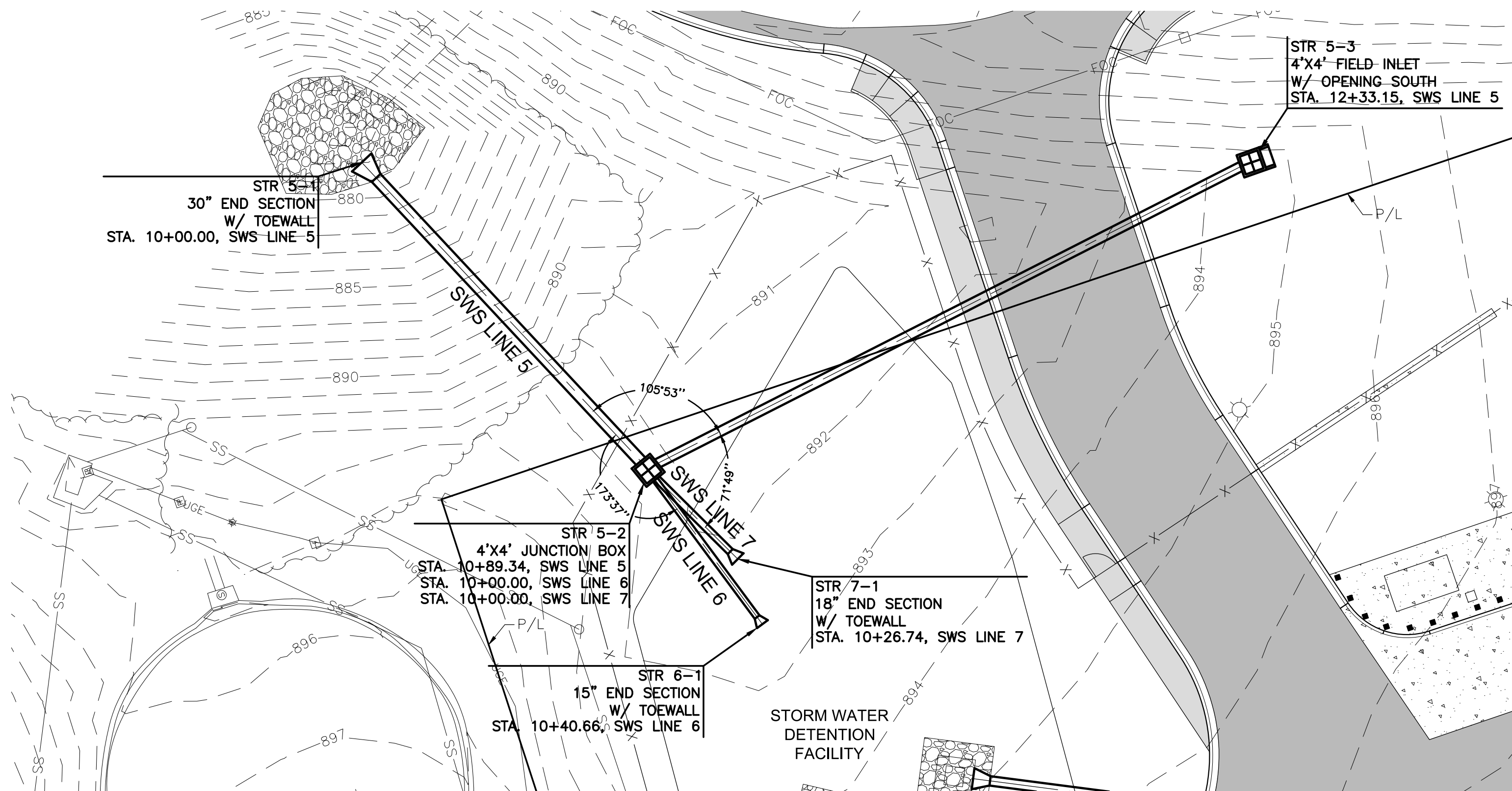


NOTES:  
1. SEE SHEET C1.3 FOR UTILITY NOTES.



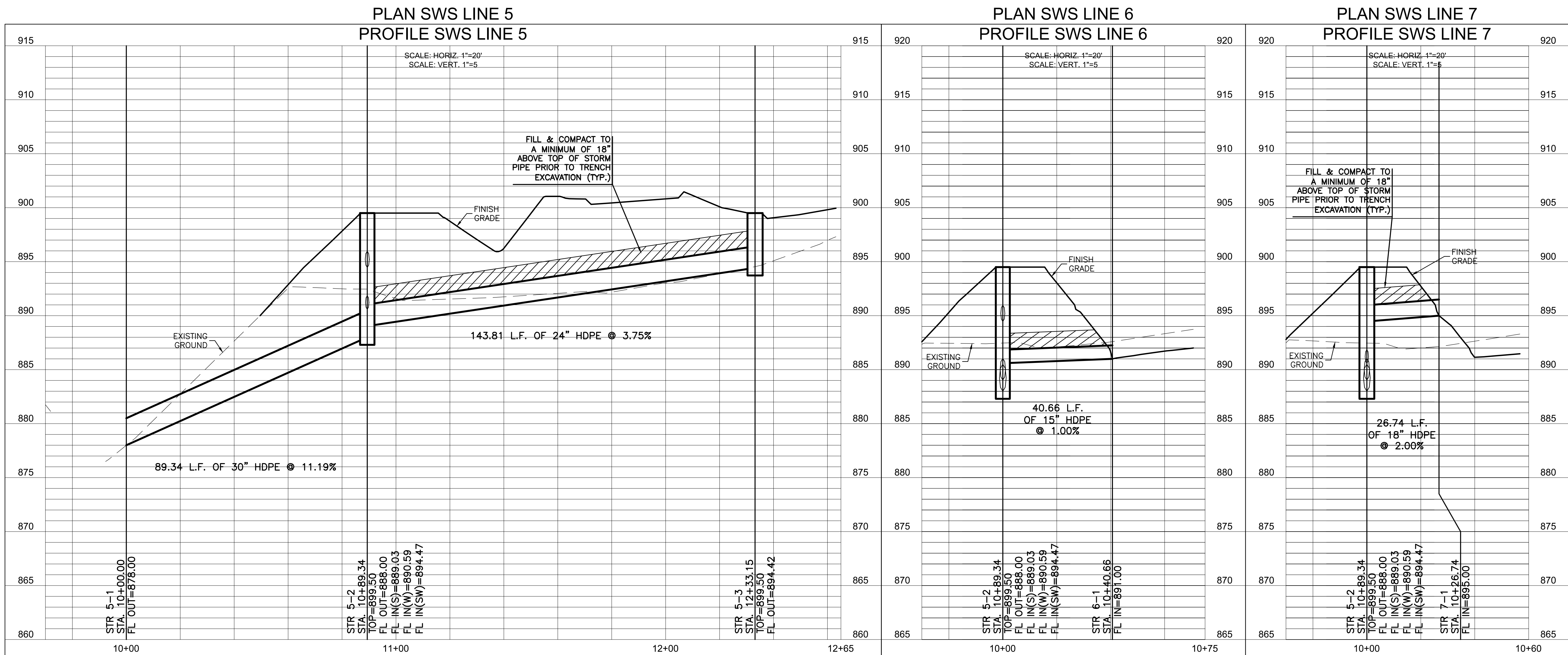
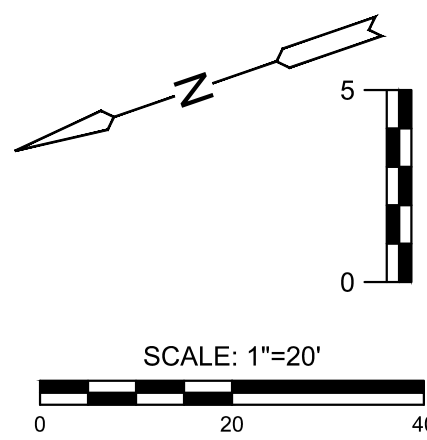


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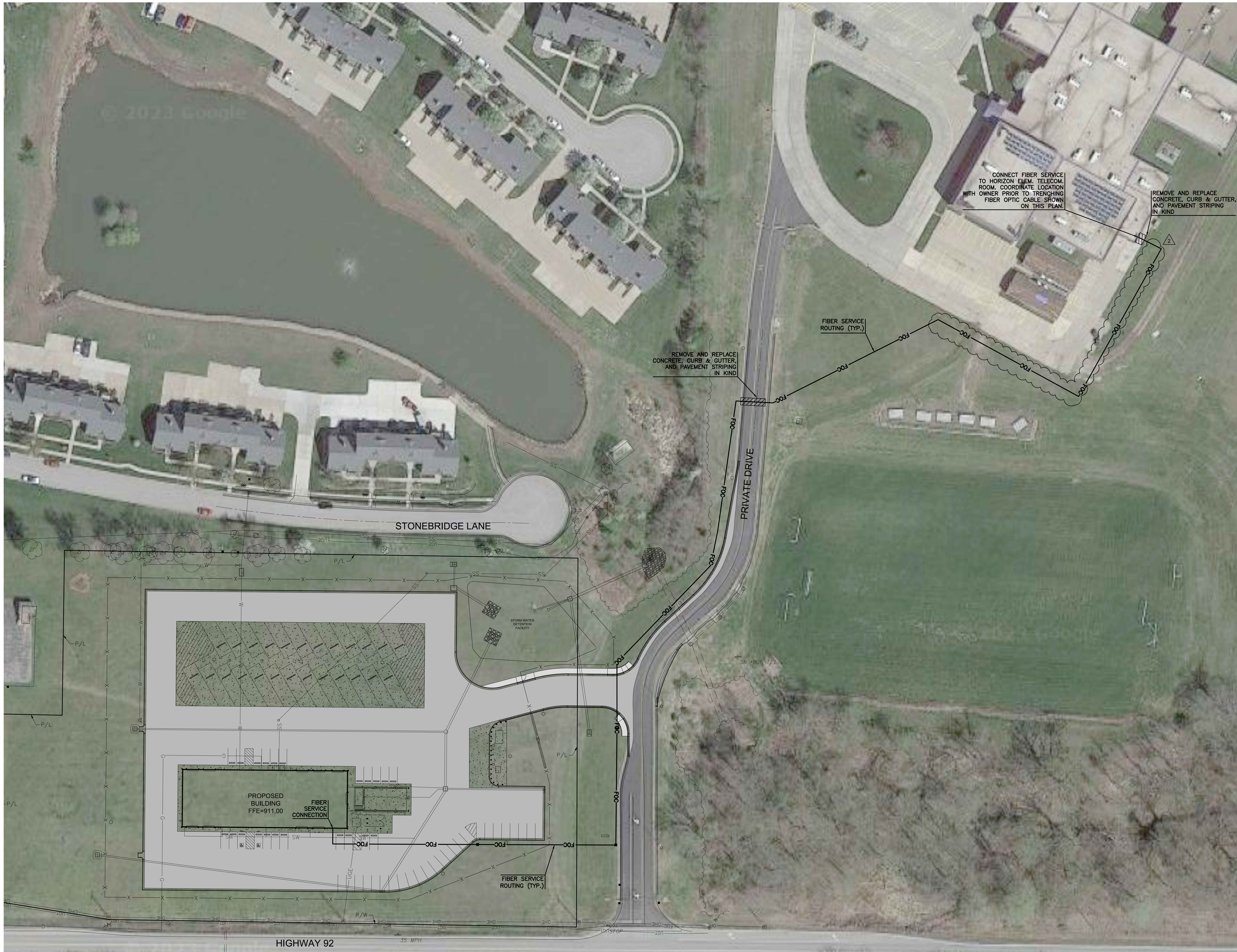
NOTES:

- SEE SHEET C1.3 FOR UTILITY NOTES.



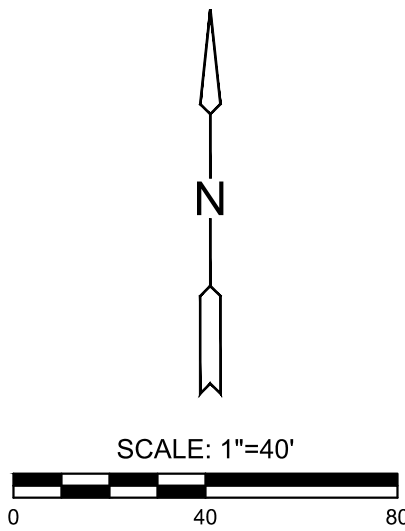


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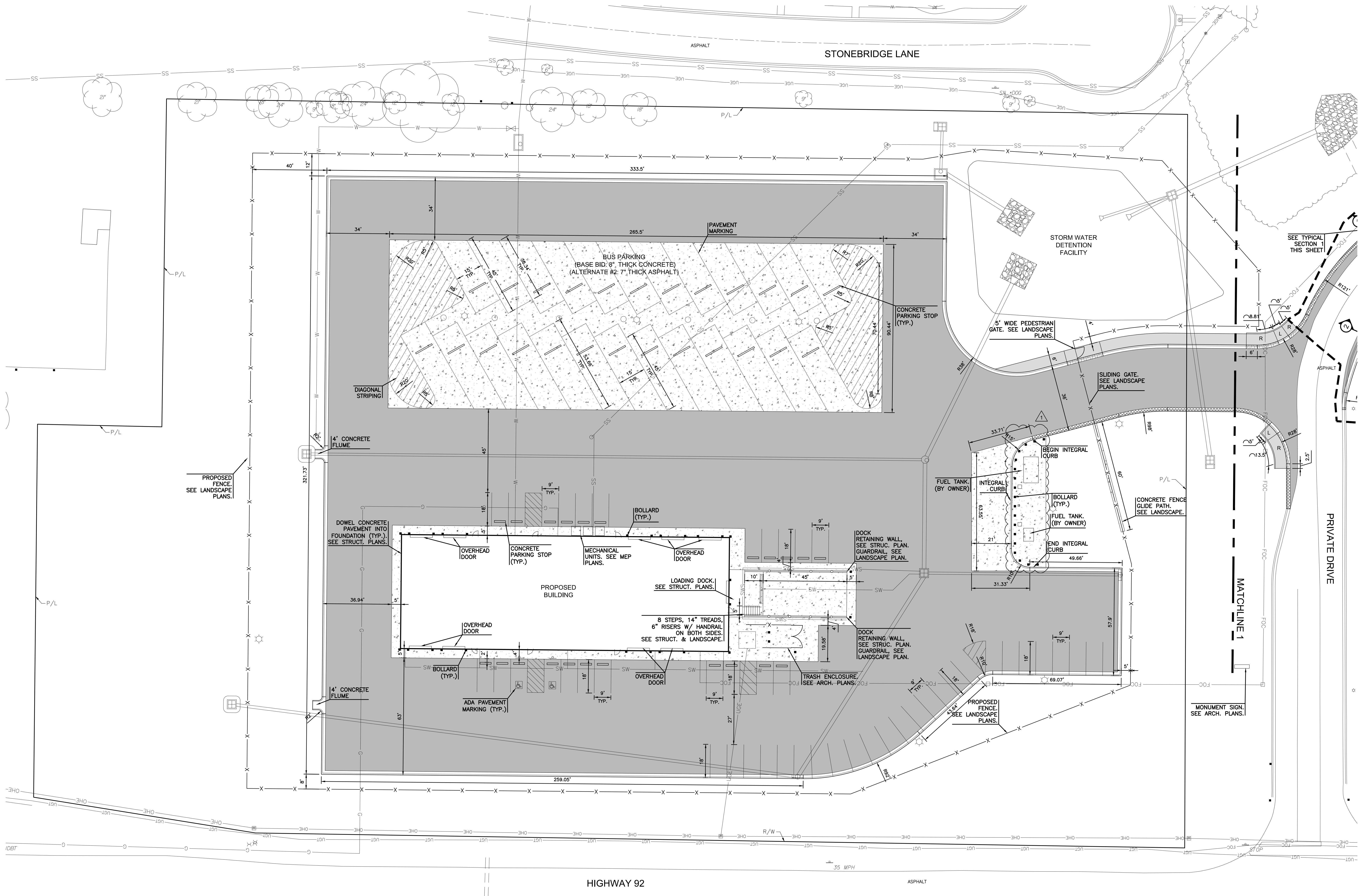
**NOTES:**

1. SEE ELECTRICAL PLANS FOR FIBER OPTIC SERVICE NOTES INCLUDING BUT NOT LIMITED TO CONDUIT, WIRING, PULL BOX INFORMATION.
2. CONTRACTOR SHALL CONFIRM LOCATION OF HORIZON ELEMENTARY CONNECTION PRIOR TO INSTALLING CONDUIT ROUTING.





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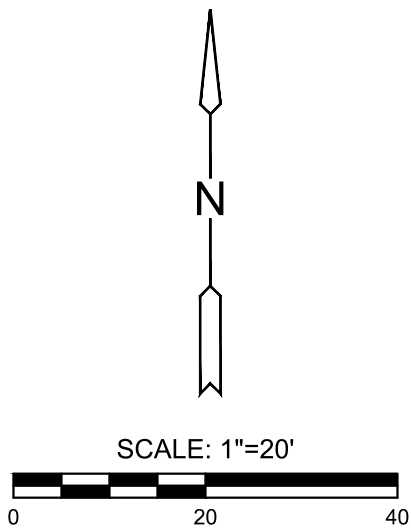
PAVING NOTES:

1. SEE SHEET C2.1 FOR PAVEMENT DETAILS.
2. ALL DIMENSIONS ARE TO BACK OF CURB.
3. INSTALL CONCRETE PARKING STOP ON ALL HANDICAP PARKING STALLS.
4. ALL PARKING STALLS ARE 9' X 18' UNLESS OTHERWISE NOTED.
5. ALL ASPHALT PARKING LOTS AND DRIVES SHALL CONFORM TO CURRENT APWA KC METRO CHAPTER SPECIFICATIONS WITH THICKNESS AND SUBGRADE PER GEOTECHNICAL REPORT RECOMMENDATIONS. RECYCLED CONTENT IS ALLOWED WITHIN THE APWA LIMITS.
6. PORTLAND CEMENT CONCRETE SHALL CONFORM WITH THE KANSAS CITY METRO MATERIALS BOARD MINIMUM 4000 PSI GRANITE MIX (KCMMB 4K).
7. ALL SIDEWALKS SHALL BE 4" UN-REINFORCED CONCRETE.
8. SIDEWALK RAMPS ON PRIVATE PROPERTY DO NOT REQUIRE 2" WIDE DETECTABLE WARNING STRIPS (TRUNCATED DOMES).
9. COMPACTED SUBGRADE AND AGGREGATE BASE UNDER PAVEMENTS SHALL EXTEND A MINIMUM OF 2' BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB, WHICHEVER IS APPLICABLE.
10. INSTALL GRAVEL BLANKET DRAINS AT ALL PARKING LOT AND ROADWAY CURB INLETS PER DETAIL PRIOR TO SUBGRADE AND PAVEMENT INSTALLATION.

11. PARKING STALL STRIPING SHALL BE 4" YELLOW, 15 MILS MIN. THICKNESS.
12. HANDICAP PARKING STALL LOADING ZONE AND DIAGONAL STRIPING SHALL BE 4" YELLOW, 2" O.C. @ 45° ANGLE, 15 MILS MIN. THICKNESS.
13. INSTALL HANDICAP PAVEMENT MARKING ON HANDICAP PARKING STALLS PER DETAIL ON SHEET C2.1.
14. ALL CURBS SHALL BE CG-1 UNLESS OTHERWISE NOTED.
15. 5' WIDE SIDEWALKS SHALL HAVE A MAXIMUM OF 5' CONTRACTION JOINT SPACING. 6' WIDE SIDEWALKS SHALL HAVE A MAXIMUM CONTRACTION JOINT SPACING OF 6'. 8' WIDE SIDEWALKS SHALL HAVE A MAXIMUM 4' CONTRACTION JOINT SPACING WITH A LONGITUDINAL CONTRACTION JOINT DOWN THE MIDDLE OF THE SIDEWALK.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED TRAFFIC CONTROL NECESSARY ON SURROUNDING STREETS FOR CONSTRUCTION. TRAFFIC CONTROL SHALL COMPLY WITH THE LATEST EDITION OF MUTCD AND CITY SPECIFICATIONS.
17. CROSS WALK AND STOP BARS STRIPING SHALL BE 12" WIDE AND 24" RESPECTIVELY. THERMOPLASTIC MARKINGS TYPE, COLOR WHITE.
18. ALL SIGNS SHALL CONFORM TO THE LATEST EDITION OF MUTCD.
19. SEE SHEET C1.10 FOR PAVING LIMITS FOR ALTERNATE #1.

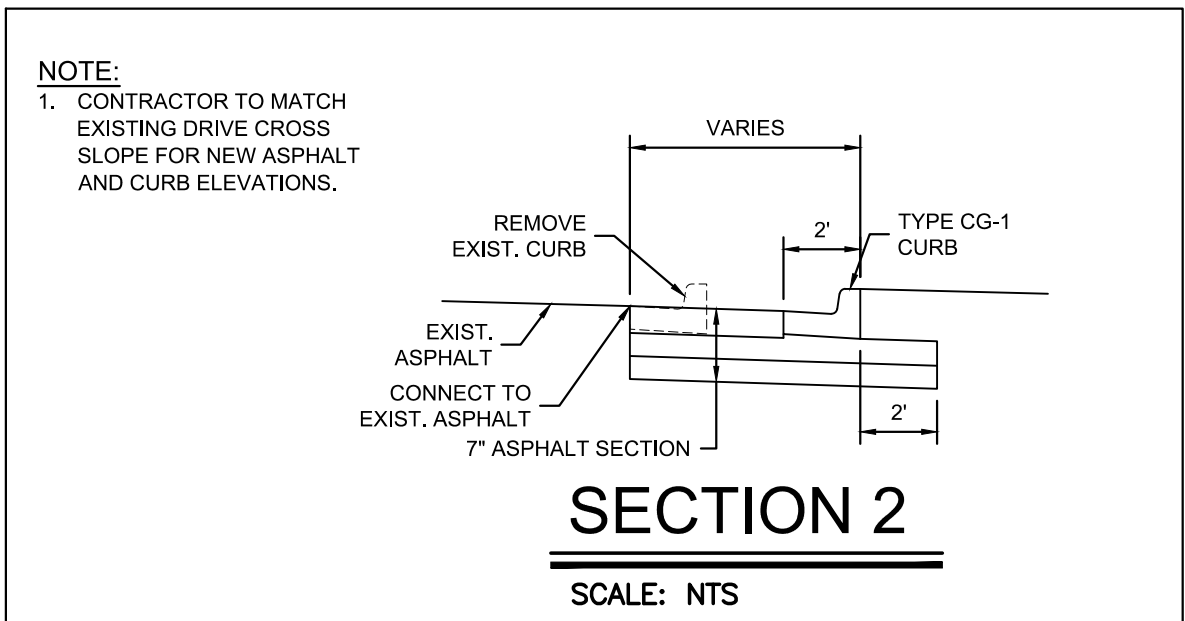
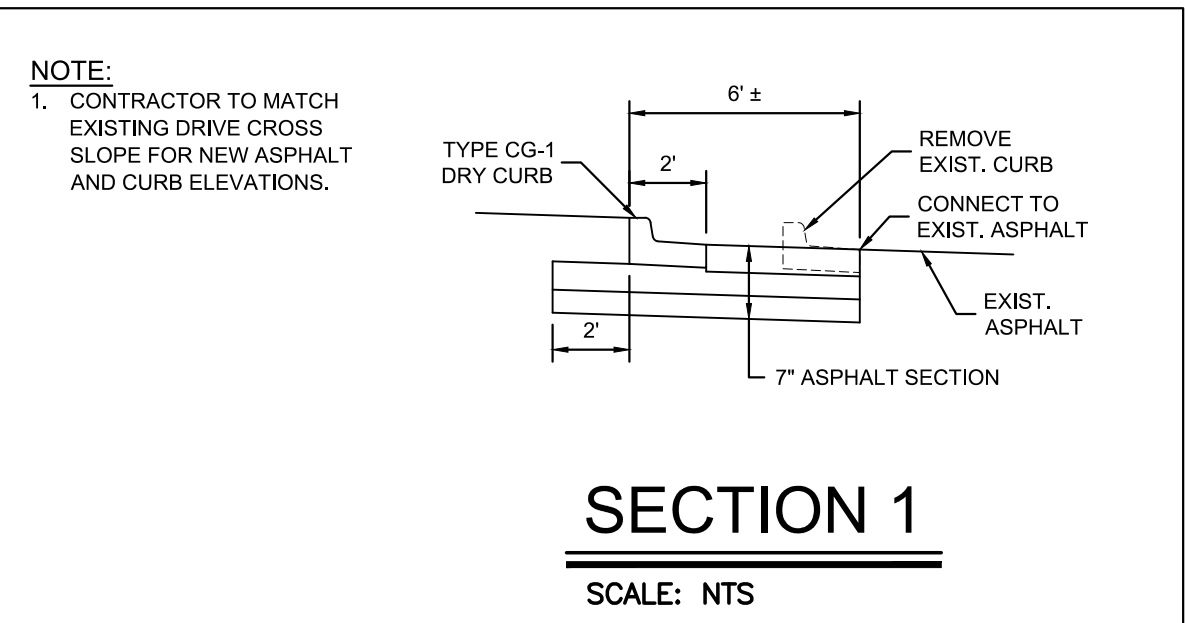
PAVING LEGEND

|  |                      |
|--|----------------------|
|  | 5" CONCRETE SIDEWALK |
|  | 8" CONCRETE SECTION  |
|  | 7" ASPHALT SECTION   |
|  | DRY CURB             |
|  | CURB TRANSITION      |
|  | RAMP                 |
|  | LANDING              |





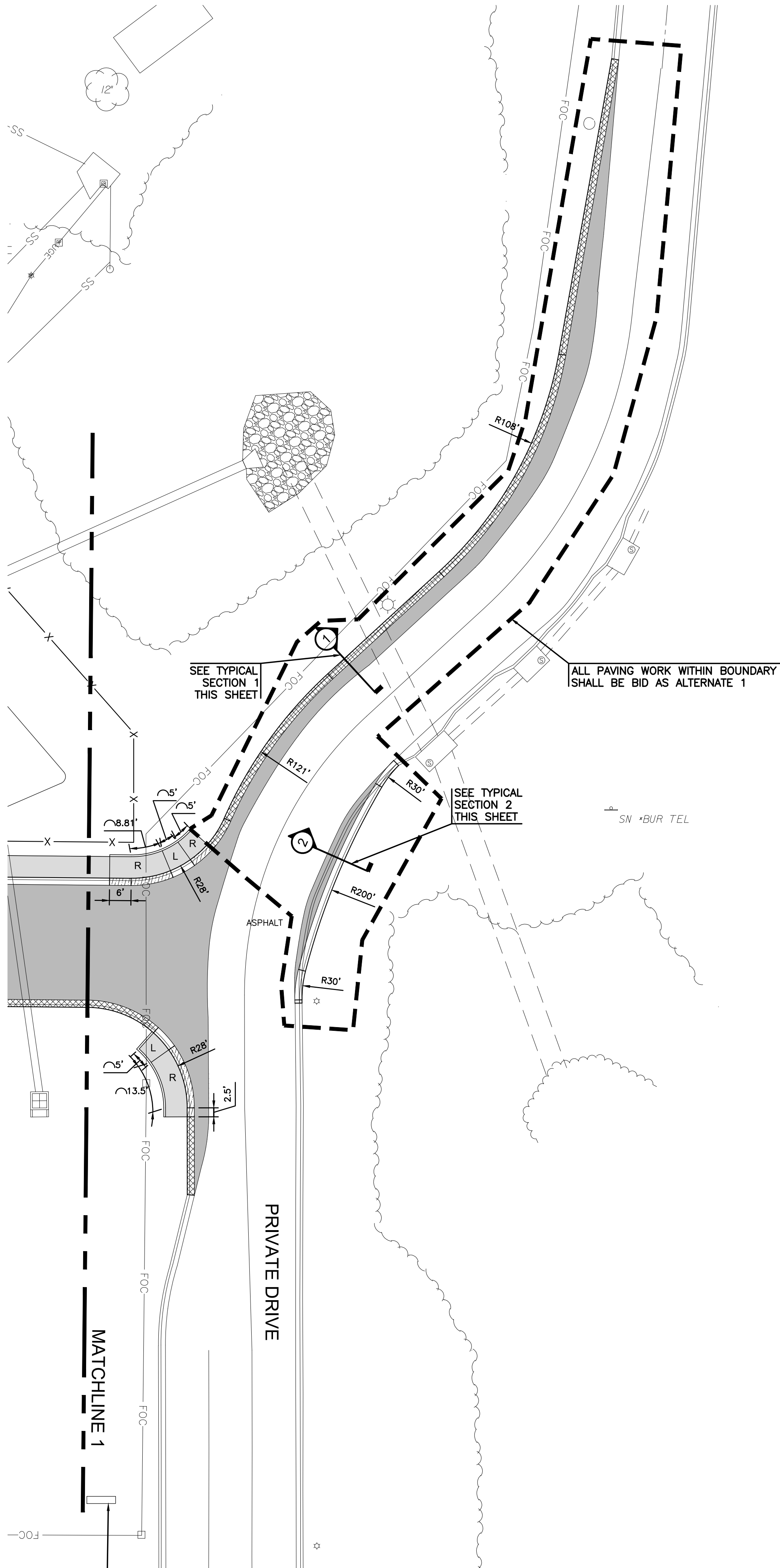
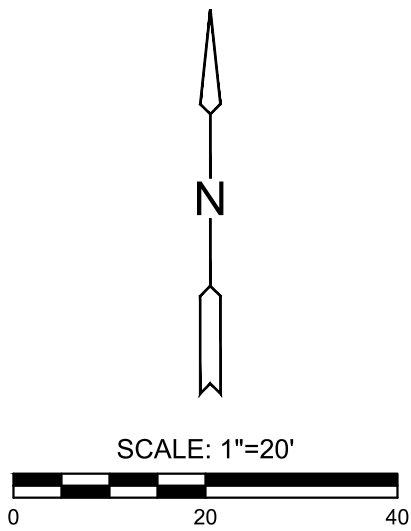
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- PAVING LEGEND**
- 5" CONCRETE SIDEWALK
  - 8" CONCRETE SECTION
  - 7" ASPHALT SECTION
  - DRY CURB
  - CURB TRANSITION
  - RAMP
  - LANDING

- LEGEND**
- ALTERNATE #1 BOUNDARY

- NOTES:**
- SEE SHEET C1.9 FOR PAVING NOTES.



**SMITHVILLE TRANSPORTATION CENTER**  
SMITHVILLE R-II SCHOOL DISTRICT  
NORTHWEST CORNER OF COMMERCIAL AVENUE AND 92  
HIGHWAY, SMITHVILLE, MO 65709

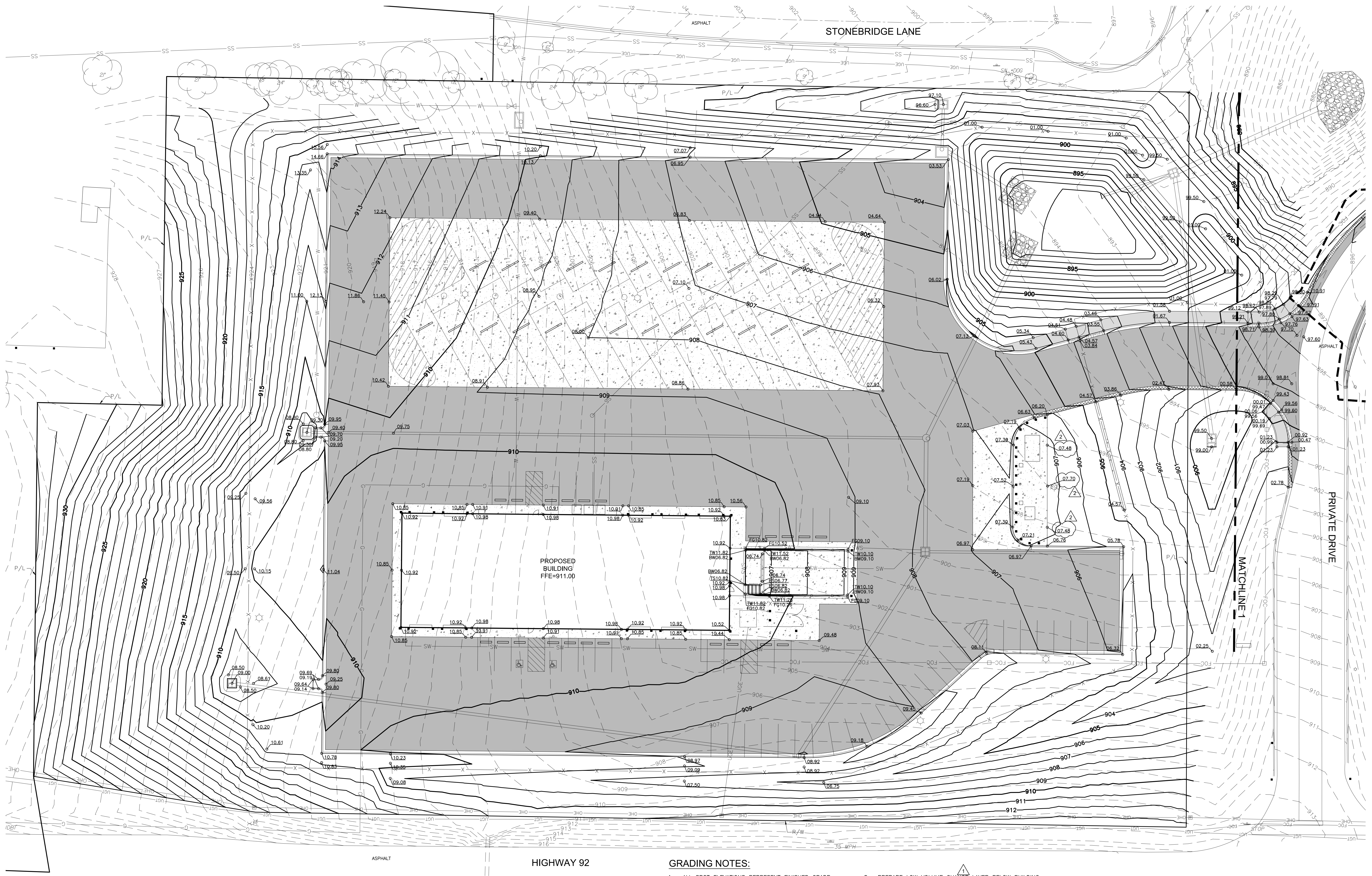
**SITE PLAN  
SUBMITTAL**  
JUNE 16, 2023  
Revisions

13-23111-00  
**PAVING PLAN 2**

**C1.10**



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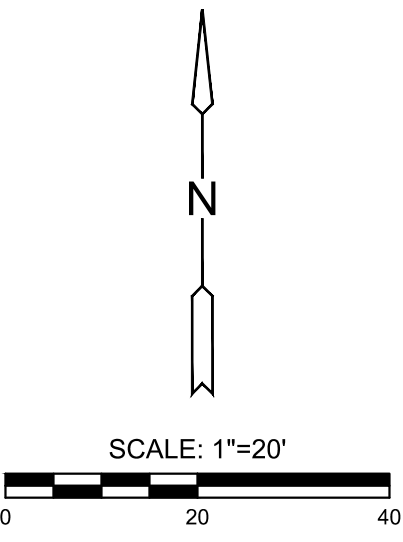


GRADING NOTES:

- ALL SPOT ELEVATIONS REPRESENT FINISHED GRADE.
- ALL CURB SPOT ELEVATIONS ARE TOP OF CURB UNLESS OTHERWISE NOTED.
- SATISFACTORY SOIL AND FILL MATERIAL SHALL BE PROVIDED PER THE GEOTECHNICAL REPORT. SEE GEOTECHNICAL REPORT FOR MAXIMUM FILL LIFT THICKNESS.
- CLEAR AND GRUB IMPROVEMENT AREA. REMOVE ALL ORGANIC AND TOPSOIL MATERIAL REGARDLESS OF SIZE AND DEPTH. ALL CLEARED AND EXCESS MATERIAL SHALL BECOME CONTRACTORS PROPERTY AND SHALL BE REMOVED FROM THE PROJECT SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE EARTHWORK QUANTITIES. ALL IMPORT AND EXPORT OF SOIL MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.
- NOTIFY TESTING AGENCY WHEN EXCAVATIONS HAVE REACHED REQUIRED SUBGRADE. SUBGRADE SHALL BE PREPARED AND COMPACTED PER THE GEOTECHNICAL REPORT.
- IF GEOTECHNICAL ENGINEER DETERMINES THAT UNSATISFACTORY SOIL IS PRESENT, CONTINUE EXCAVATION AND REPLACE WITH COMPACTED BACKFILL OR FILL MATERIAL AS DIRECTED.
- PREPARE LOW VOLUME CHANGE LAYER BELOW BUILDING SLAB PER GEOTECHNICAL REPORT. LVC LAYER TO EXTEND A MINIMUM OF 2' OUTSIDE OF THE BUILDING FOOTPRINT. LVC MATERIALS AND PREPARATION SHALL BE PER THE GEOTECHNICAL REPORT.
- SEE EARTH WORK SPECIFICATIONS FOR COMPACTION & PROOF-ROLLING REQUIREMENTS.
- RECONSTRUCT SUBGRADES DAMAGED BY FREEZING TEMPERATURE, FROST, RAIN, ACCUMULATED WATER, OR CONSTRUCTION ACTIVITIES, WITHOUT ADDITIONAL COMPENSATION.
- COMPACTED SUBGRADE AND AGGREGATE BASE UNDER PAVEMENTS SHALL EXTEND A MINIMUM OF 2' BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB, WHICHEVER IS APPLICABLE.
- RETENTION FACILITY BERM SHALL BE COMPACTED CLAY SOIL, COMPACTED TO 90% STANDARD DENSITY.
- ALL EXCESS SOIL AND WASTE MATERIAL SHALL BECOME THE CONTRACTORS PROPERTY AND SHALL BE REMOVED FROM THE SITE.

GRADING LEGEND

- 900 - PROPOSED MAJOR CONTOUR
- 901 - PROPOSED MINOR CONTOUR
- 00.00 - FINISH GRADE
- TW00.00 - TOP OF WALL
- BW00.00 - FINISH GRADE AT BOTTOM OF WALL
- EX00.00 - EXISTING ELEVATION
- TS00.00 - TOP OF STEP
- BS00.00 - BOTTOM OF STEP
- TC00.00 - TOP OF CURB
- FG00.00 - FINISH GRADE

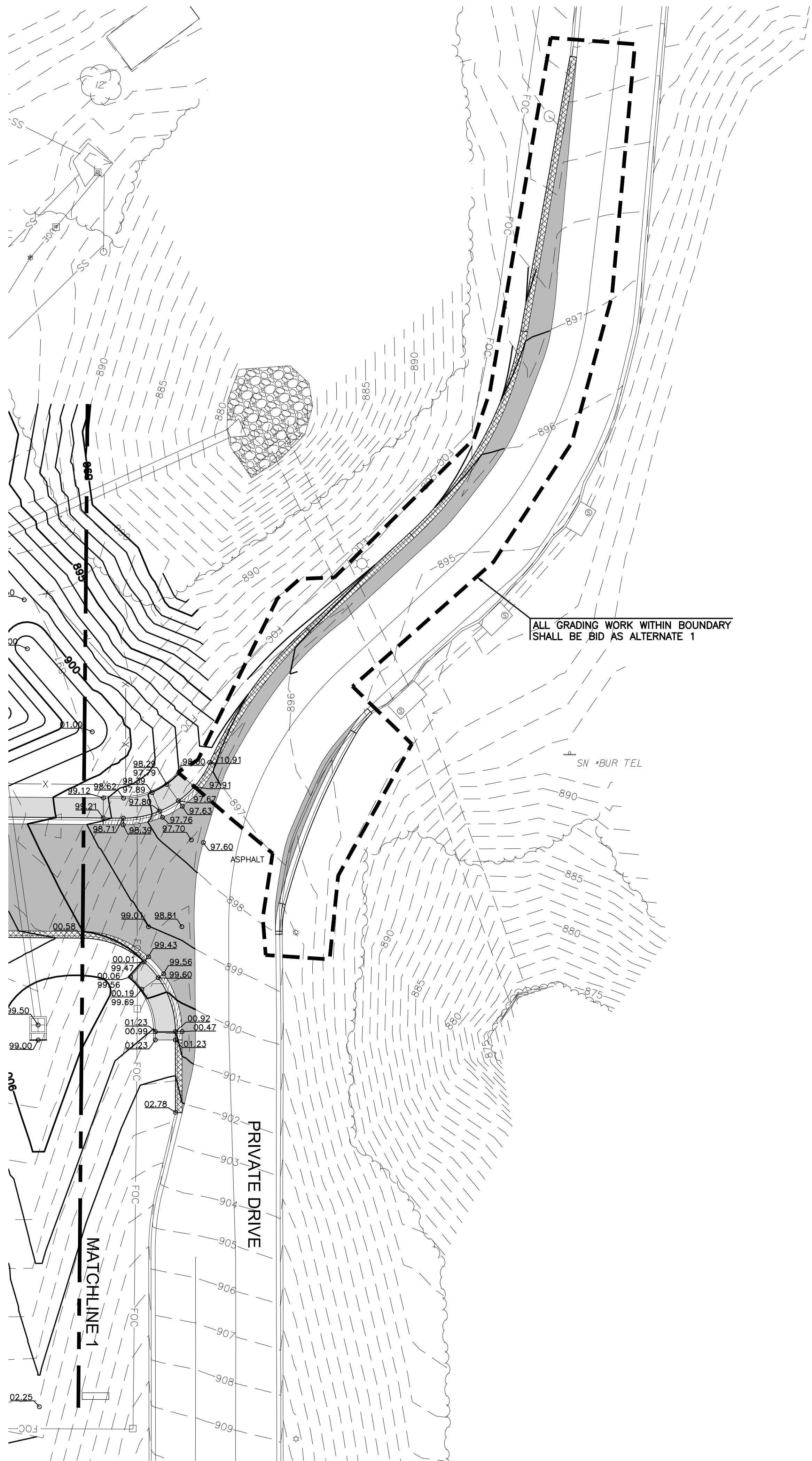




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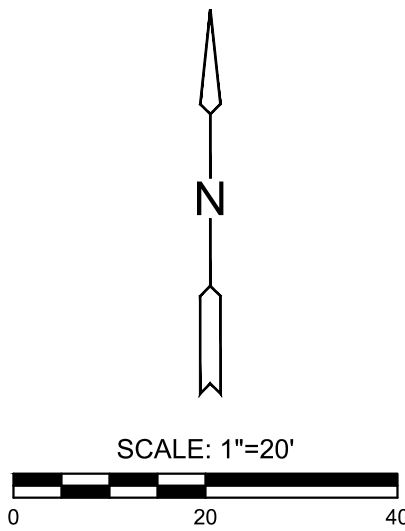
NOTES:

1. SEE SHEET C1.11 FOR GRADING NOTES.
2. SEE TYPICAL SECTIONS FOR ALTERNATE #1 PAVEMENT GRADING ON SHEET C1.10.



GRADING LEGEND

- 900 - PROPOSED MAJOR CONTOUR
- 901 - PROPOSED MINOR CONTOUR
- 00.00 - FINISH GRADE
- TW00.00 - TOP OF WALL
- BW00.00 - FINISH GRADE AT BOTTOM OF WALL
- EX00.00 - EXISTING ELEVATION
- TS00.00 - TOP OF STEP
- BS00.00 - BOTTOM OF STEP
- TC00.00 - TOP OF CURB
- FG00.00 - FINISH GRADE



SMITHVILLE TRANSPORTATION CENTER

SMITHVILLE R-II SCHOOL DISTRICT

NORTHWEST CORNER OF COMMERCIAL AVENUE AND 92  
HIGHWAY, SMITHVILLE, MO 65709

SITE PLAN  
SUBMITTAL  
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Revisions

13-23111-00

GRADING PLAN 2

C1.12

DLR GROUP

© DLR Group  
7200 West 133rd Street  
Overland Park, KS 66213  
Tel: (913) 867-7811  
Fax: (913) 867-7811  
CA No. 000959



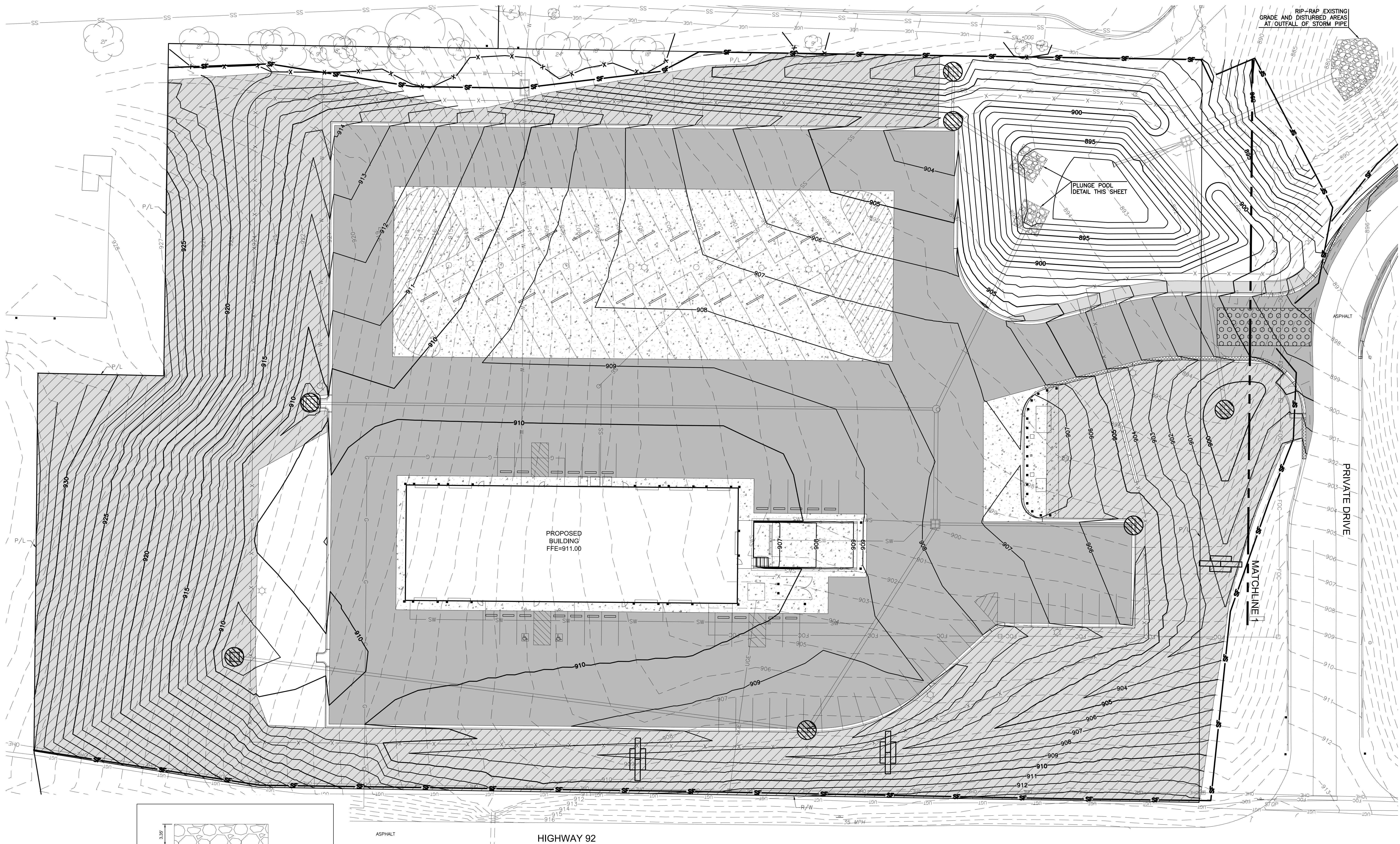
BRADEN L. TAYLOR  
LISC. #2021001896



11627 W. 117th Street, Suite 200  
Overland Park, KS 66213  
Tel: (913) 867-7811  
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Engineering No. 2007009262  
Surveying No. 2008027138

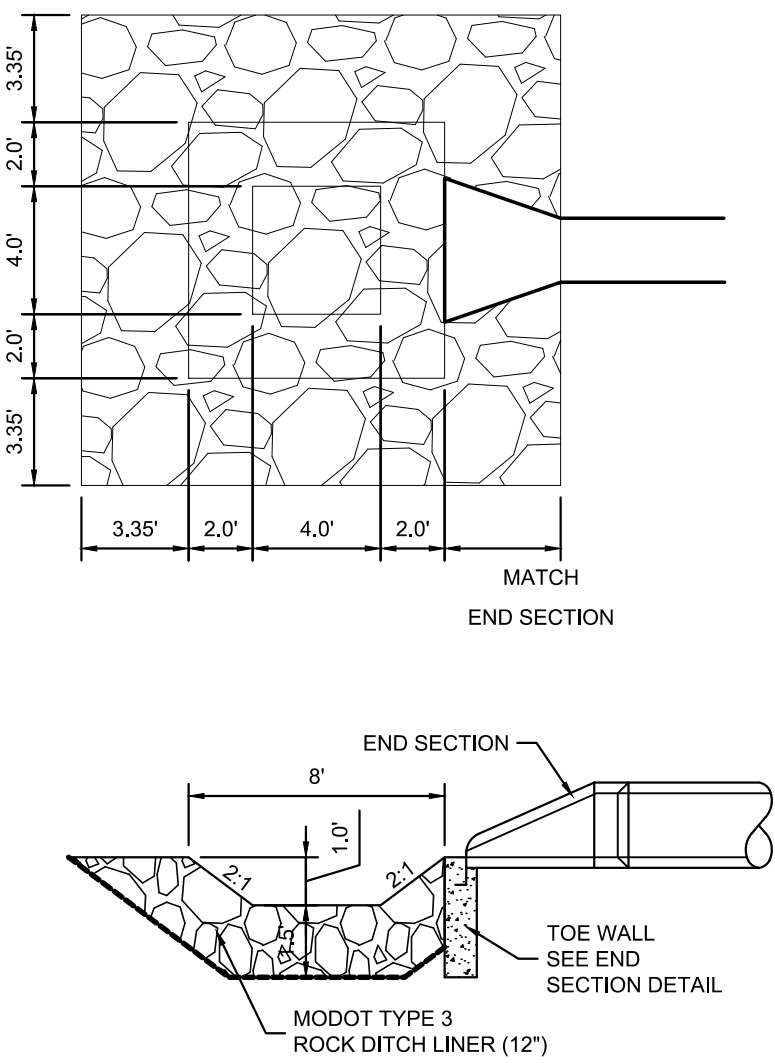


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### PLUNGE POOL DETAIL

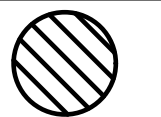
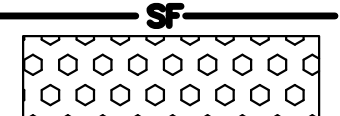
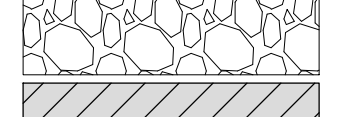
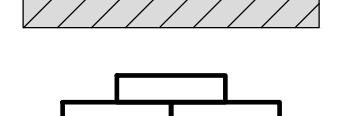
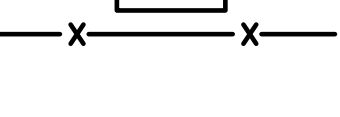
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### EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL SEED, MULCH, OR OTHERWISE STABILIZE ANY DISTURBED AREA WHERE THE LAND DISTURBANCE ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS. INITIAL STABILIZATION ACTIVITIES SHALL BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES HAVE CEASED. ALL SEEDING ACTIVITY SHALL INCLUDE MULCHING OR EQUIVALENT SOIL STABILIZING BMP MEASURE OF THE DISTURBED AREA. THE CONTRACTOR SHALL PERFORM INSPECTIONS OF EROSION AND SEDIMENT CONTROL MEASURES AT LEAST ONCE PER WEEK AND WHENEVER A RAINFALL TOTAL OF 0.5 INCHES OR GREATER IS OBSERVED BASED ON A SINGLE MONITORING EVENT; OR 4. BASED ON THE CUMULATIVE TOTAL OF TWO CONSECUTIVE MONITORING EVENTS WHEN THE RAINFALL TOTAL OF THE FIRST MONITORING EVENT IS LESS THAN 0.5 INCHES. THE CONTRACTOR SHALL MAINTAIN AN INSPECTION LOG INCLUDING THE INSPECTOR'S NAME, DATE OF INSPECTION, OBSERVATIONS AS TO THE EFFECTIVENESS OF THE EROSION AND SEDIMENT CONTROL MEASURES, ACTIONS NECESSARY TO CORRECT DEFICIENCIES, WHEN DEFICIENCIES ARE CORRECTED, AND THE SIGNATURE OF THE PERSON PERFORMING THE INSPECTION. CONTRACTOR SHALL ADD EROSION CONTROL MEASURES AS NECESSARY TO CONTROL SEDIMENT RUNOFF FROM THE SITE. ADDITIONAL MEASURES SHALL BE AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR TO HAVE A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON SITE AT ALL TIMES. INSPECTION LOGS AND ANY CHANGES TO EROSION CONTROL MEASURES SHALL BE ADDED TO THE SWPPP.
3. CONCRETE WASH OR RINSE WATER FROM CONCRETE MIXING EQUIPMENT, TOOLS AND/OR READY-MIX TRUCKS, ETC., MAY NOT BE DISCHARGED INTO OR BE ALLOWED TO RUN DIRECTLY INTO ANY EXISTING WATER BODY OR STORM INLET. ONE OR MORE LOCATIONS FOR CONCRETE WASH OUT WILL BE DESIGNATED ON SITE, SUCH THAT DISCHARGES DURING CONCRETE WASHOUT WILL BE CONTAINED IN A SMALL AREA WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER EVAPORATED OR INFILTRATED INTO THE GROUND.
4. CHEMICALS OR MATERIALS CAPABLE OF CAUSING POLLUTION MAY ONLY BE STORED ONSITE IN THEIR ORIGINAL CONTAINER. MATERIALS STORED OUTSIDE MUST BE IN CLOSED AND SEALED WATER-PROOF CONTAINERS AND LOCATED OUTSIDE OF DRAINAGE WAYS OR AREAS SUBJECT TO FLOODING. LOCKS AND OTHER MEANS TO PREVENT OR REDUCE VANDALISM SHALL BE USED. SPILLS WILL BE REPORTED AS REQUIRED BY LAW AND IMMEDIATE ACTIONS TAKEN TO CONTAIN THEM.
5. SEE SHEET C2.2 FOR EROSION CONTROL DETAILS.
6. CONTRACTOR TO KEEP ALL SEDIMENT FROM EXISTING OR PROPOSED PAVEMENT.
7. CONTRACTOR TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF CITY, STATE, AND FEDERAL REGULATIONS FOR EROSION CONTROL.
8. ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED UPON COMPLETION OF PROJECT. REFER TO LANDSCAPE PLANS FOR SEED AND SOD LOCATIONS AND NOTES.

### EROSION CONTROL LEGEND

-  - INLET PROTECTION
-  - SILT FENCE
-  - CONSTRUCTION ENTRANCE
-  - RIP RAP (MODOT TYPE 3 ROCK DITCH LINER, 12")
-  - NORTH AMERICAN GREEN S150 TURF REINFORCEMENT MAT
-  - DITCH CHECK
-  - TREE PROTECTION

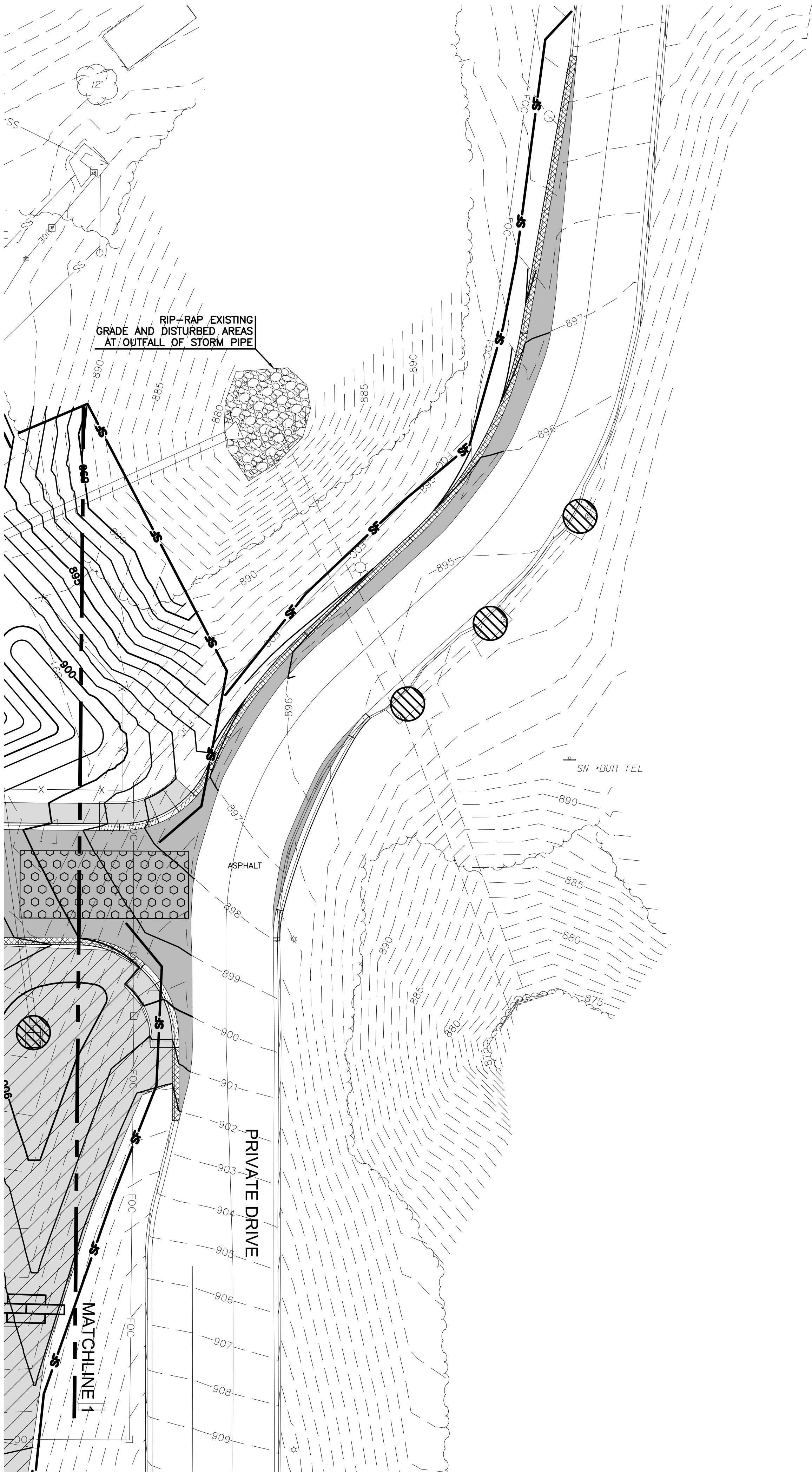
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Jun 16, 2023 10:47am — swright

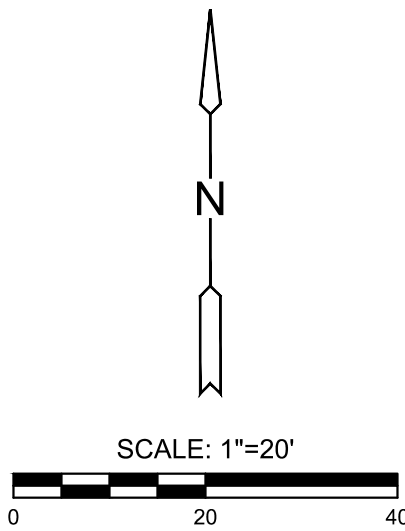
NOTES:

1. SEE SHEET C1.13 FOR EROSION CONTROL NOTES.
2. ALL EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE BASE BID.



EROSION CONTROL LEGEND

- INLET PROTECTION
- SILT FENCE
- CONSTRUCTION ENTRANCE
- RIP RAP (MODOT TYPE 3 ROCK DITCH LINER, 12")
- NORTH AMERICAN GREEN S150 TURF REINFORCEMENT MAT
- DITCH CHECK
- TREE PROTECTION



SMITHVILLE TRANSPORTATION CENTER

SMITHVILLE R-II SCHOOL DISTRICT

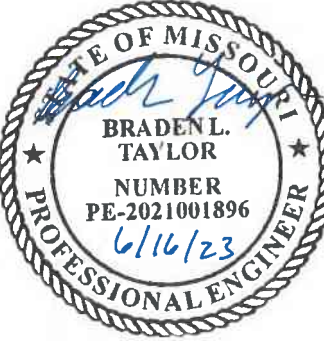
NORTHWEST CORNER OF COMMERCIAL AVENUE AND 92  
HIGHWAY, SMITHVILLE, MO 65709

SITE PLAN  
SUBMITTAL  
JUNE 16, 2023  
Revisions

13-23111-00

EROSION  
CONTROL PLAN 2

C1.14



BRADEN L. TAYLOR  
LISC. #2021001896

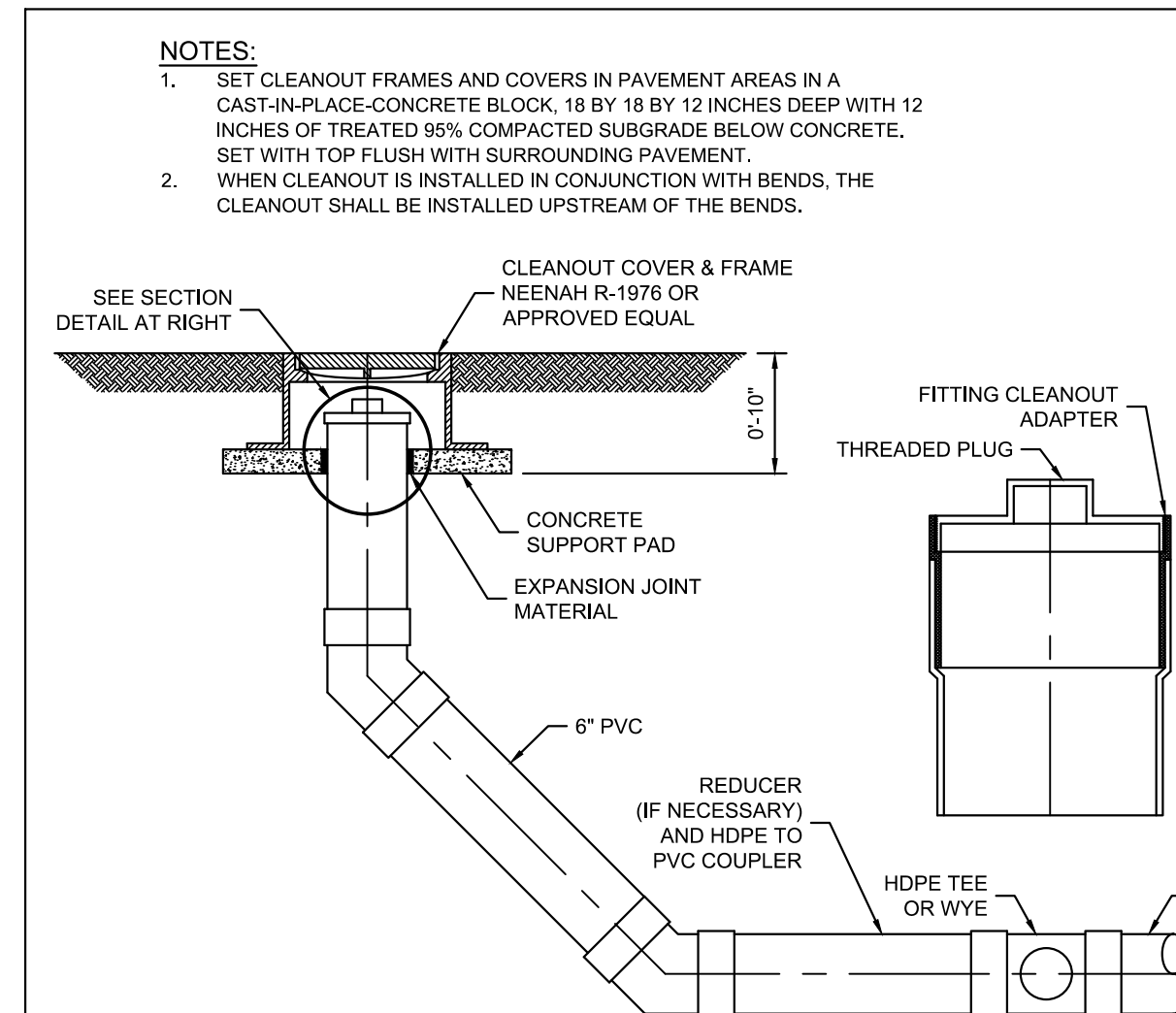


11627 W. 11th Street, Suite 200  
Overland Park, KS 66213  
Phone: (913) 897-7811  
Fax: (913) 897-7811  
Email: info@mkec.com  
Surveying No. 2008027138

**DLR**GROUP

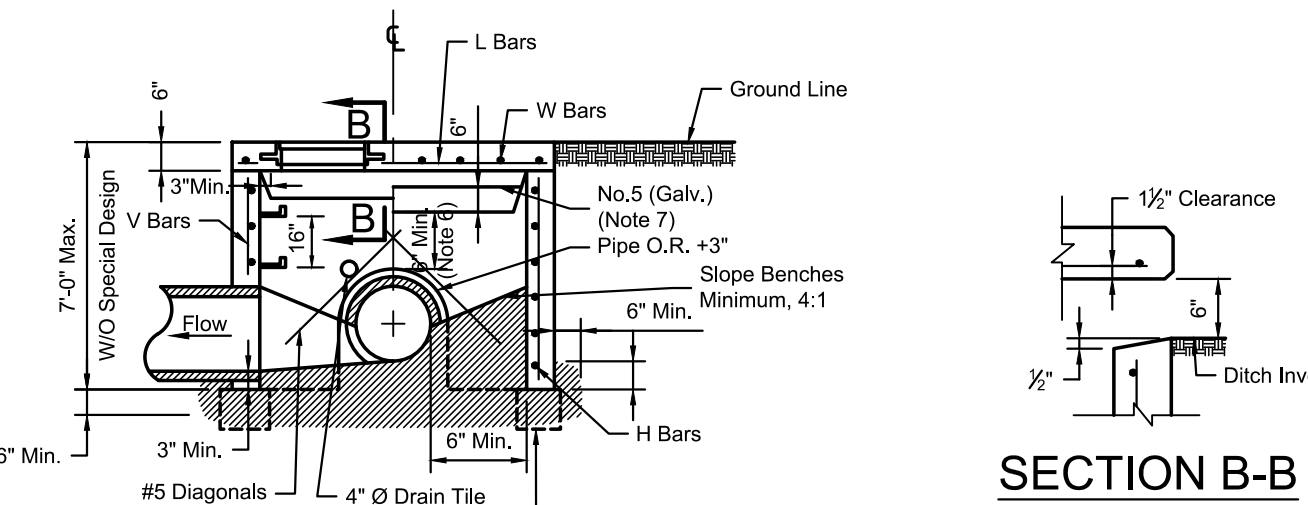
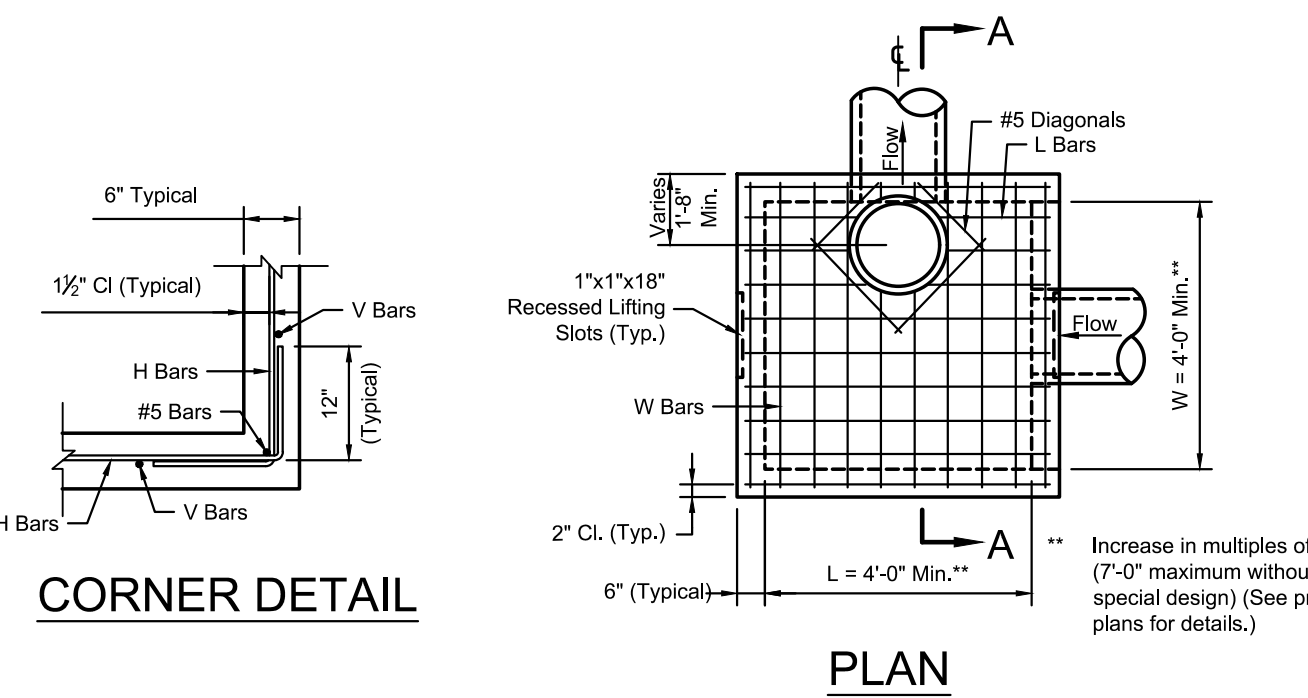
© DLR Group  
7200 West 13rd Street  
Overland Park, KS 66213  
Tel: (913) 897-7811  
CA No. 000959





### STORM SEWER TEE/WYE W/ CLEANOUT DETAIL

SCALE: NTS



- GENERAL NOTES:**
1. Locate ring and cover over outlet.
  2. All work and materials shall conform to Section 2600 APWA.
  3. Use 3/4" Chamfer strip on all exposed concrete corners.
  4. Steps required at 16" O.C. when depth from top of casting to invert exceeds 4'.
  5. Boxouts will not be allowed to project through the corners of the structure.
  6. The minimum reinforcing shall be 1 H-Bar over a cast-in place pipe and 2 H-Bars over a precast boxout.
  7. Limit opening height to 6" with No. 5 galvanized bars extending to corner rebars.
  8. Show field inlet orientation on plans plus number and size of openings locating point at center of structure.
  9. O.R. = outside pipe radius.
  10. Ring & Cover to be Neenah R-1537, Clay & Bailey #2020, Deister #2016, or approved equal. (Casting may vary by municipality, refer to plans & contract documents.)
  11. 4" Ø field tile or precast hole shall be located at entering pipe and in the front face pump points. These tiles or openings shall be capped with 1/2" galvanized wire mesh on the outside of the inlet and clear the invert and base concrete.

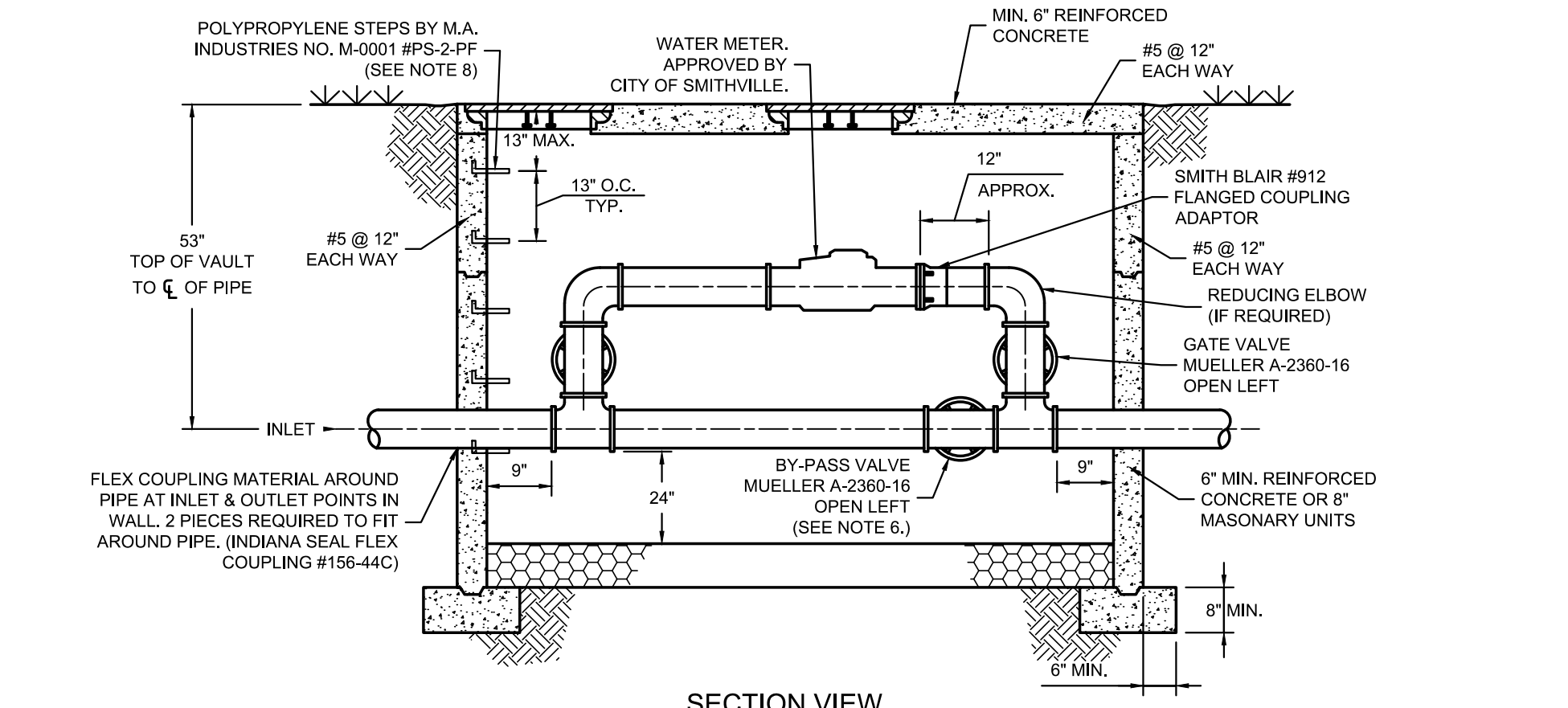
| BAR | BAR SIZE | SPACING (IN.) |
|-----|----------|---------------|
| H   | 4        | 12            |
| V   | 4        | 12            |
| L   | 5        | 6             |
| W   | 5        | 6             |

### AMERICAN PUBLIC WORKS ASSOCIATION (APWA) KANSAS CITY METROPOLITAN CHAPTER

#### FIELD INLET DETAILS

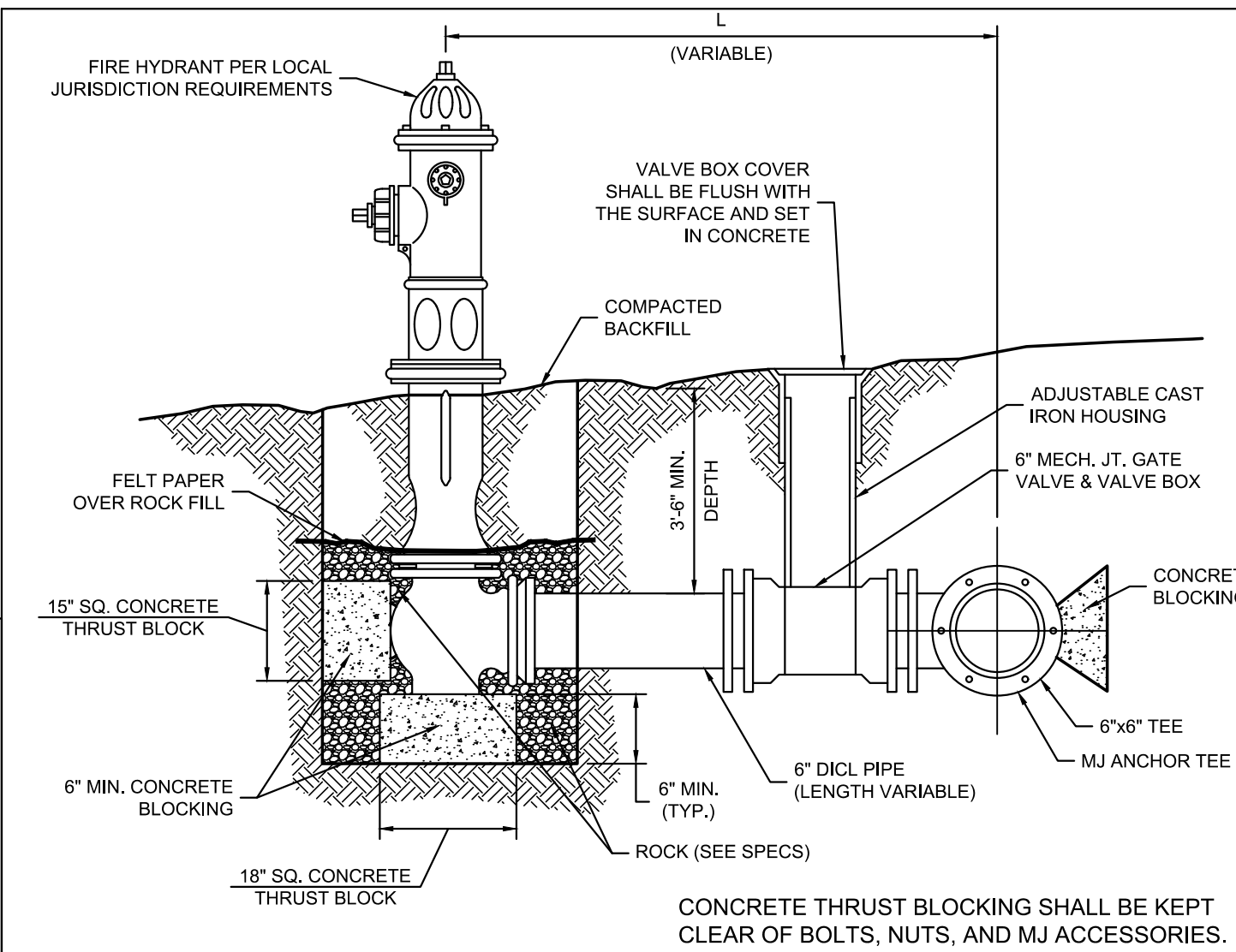
STANDARD DRAWING NUMBER FI-1  
ADOPTED: APRIL 17, 1996

- NOTES:**
1. VAULT WILL BE LOCATED IN NON-TRAFFIC, NOT-PEDESTRIAN AREA. VAULT LID AT GRADE AND FULLY EXPOSED.
  2. THE SERVICE LINE FROM MAIN TO THE VAULT SHALL BE 6" CEMENT MORTAR LINED DUCTILE IRON PIPE CLASS 50 OR S1 WRAPPED WITH 8 MIL. POLYETHYLENE WRAP.
  3. PRECAST CONCRETE VAULT & LID DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER IS ACCEPTABLE. SHOP DRAWINGS OF THE VAULT SHALL BE SUBMITTED FOR APPROVAL.
  4. ALL PIPE & FITTINGS SHALL BE CEMENT MORTAR LINED. FLANGED, DUCTILE IRON PIPE.
  5. VALVES INSIDE VAULT SHALL BE MUELLER A-2360-16 OPEN LEFT.
  6. BY-PASS VALVE TO BE ROTATED 90° TOWARD MANHOLE SIDE OF VAULT.
  7. METER INLET VALVE TO BE ROTATED 90° TOWARD MANHOLE SIDE OF VAULT.
  8. STEPS SHALL BE ON FLOW INLET END OF VAULT. (5 STEPS REQUIRED) POLYPROPYLENE STEPS SHALL BE CAST IN PLACE OR GROUTED IN PLACE IN PRE-DRILLED HOLES, NOT DRIVEN IN PLACE.
  9. PRIOR TO FABRICATION OF STRUCTURE, CONFIRM WITH CITY OF SMITHVILLE APPROVAL OF THIS STRUCTURE.



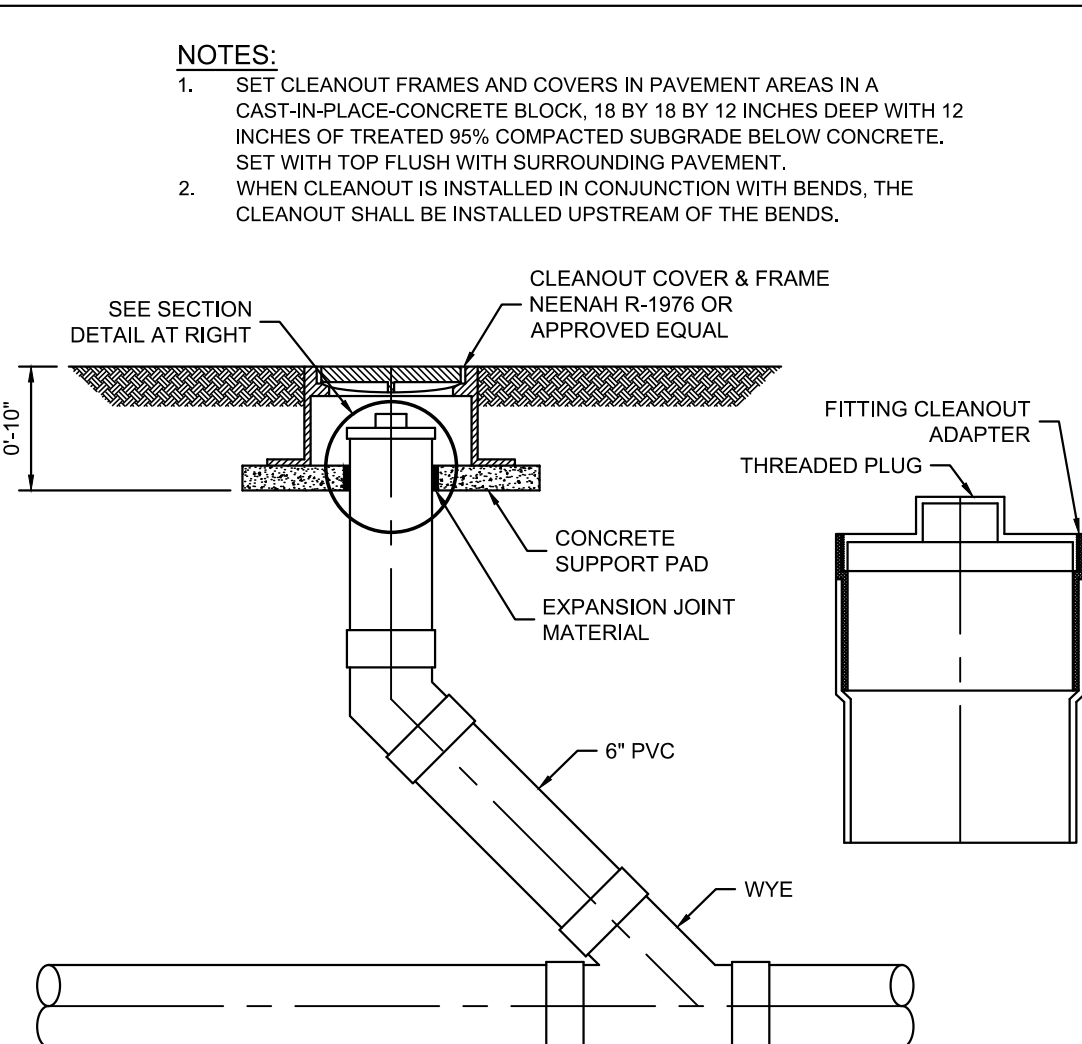
### 2" WATER METER VAULT

SCALE: NTS



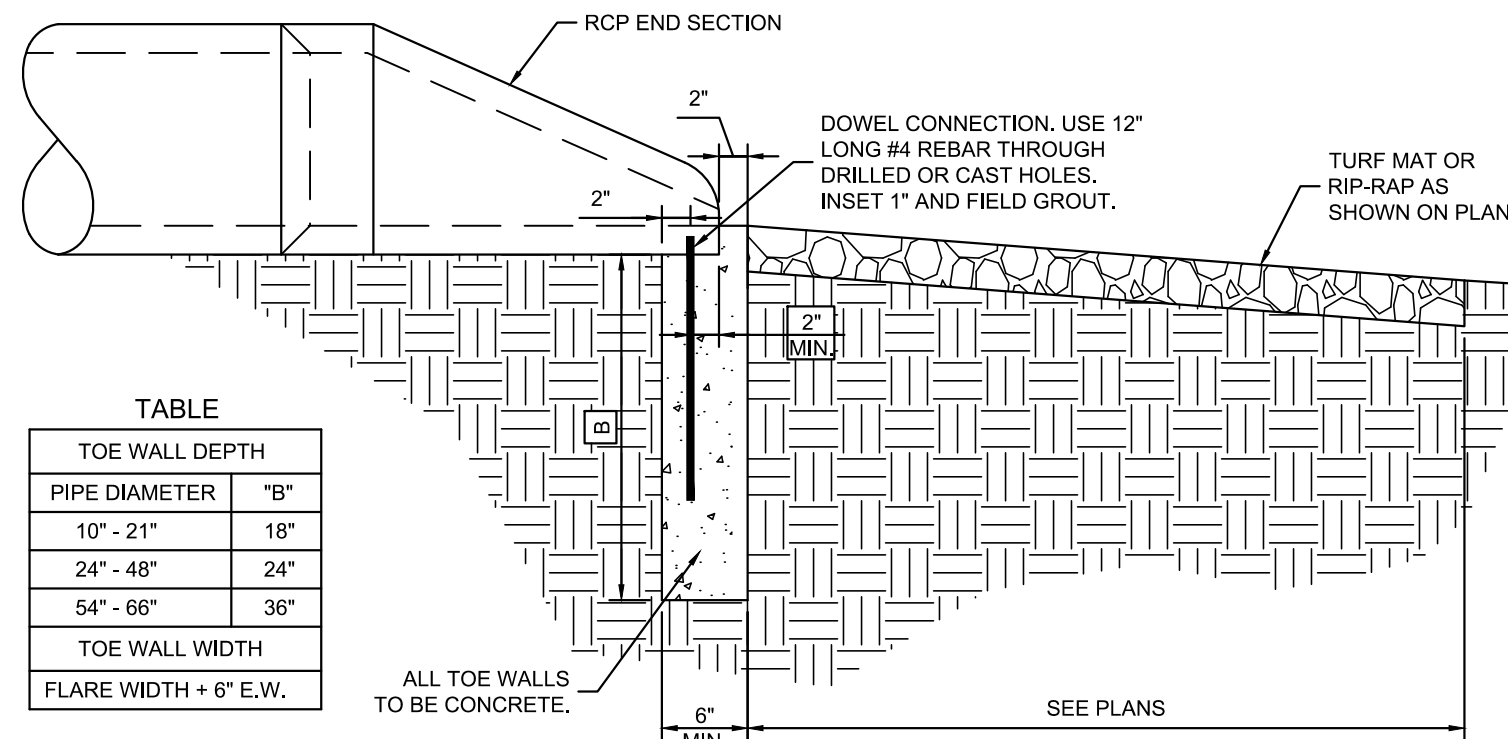
### FIRE HYDRANT DETAIL

SCALE: NTS



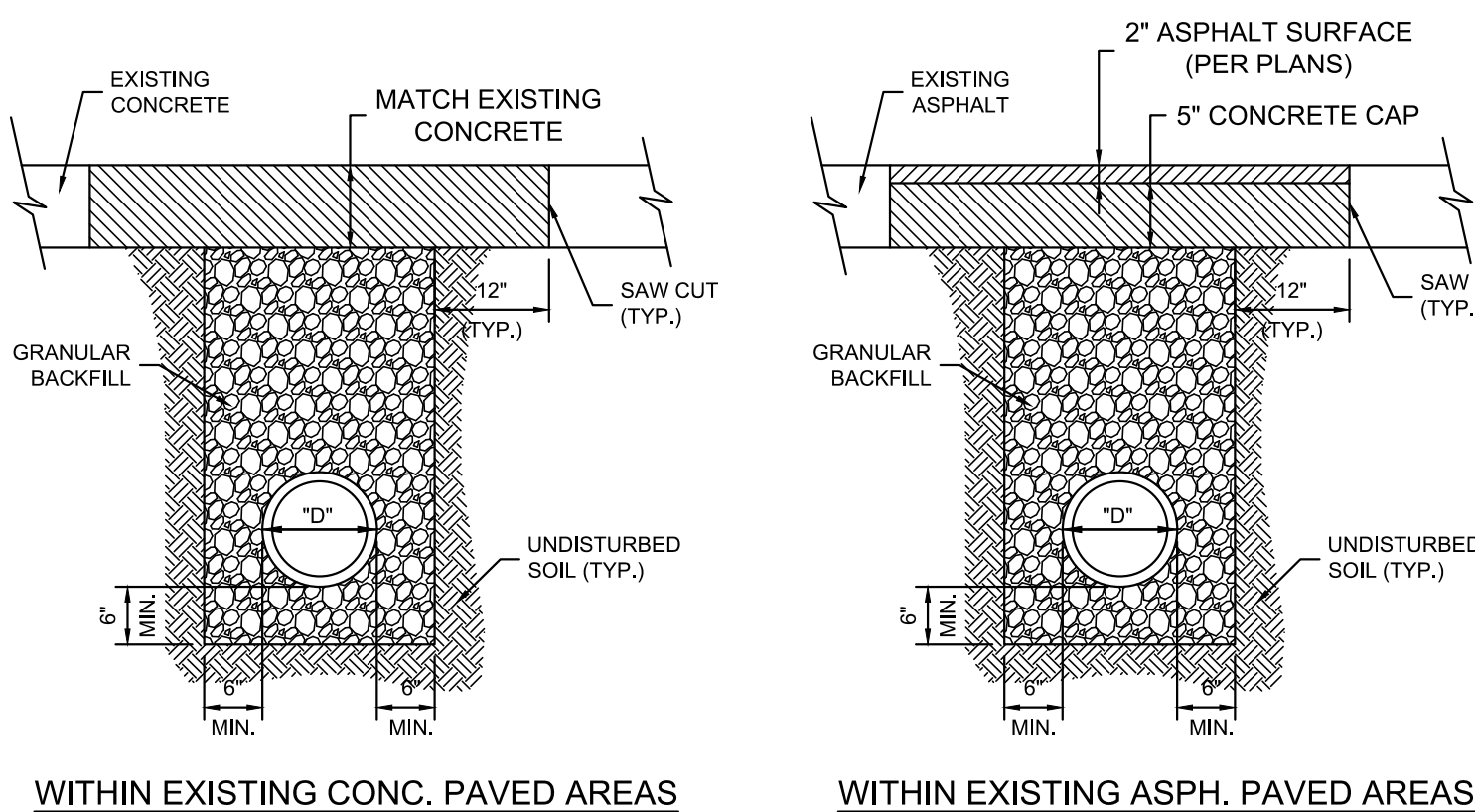
### SANITARY CLEANOUT DETAIL

SCALE: NTS

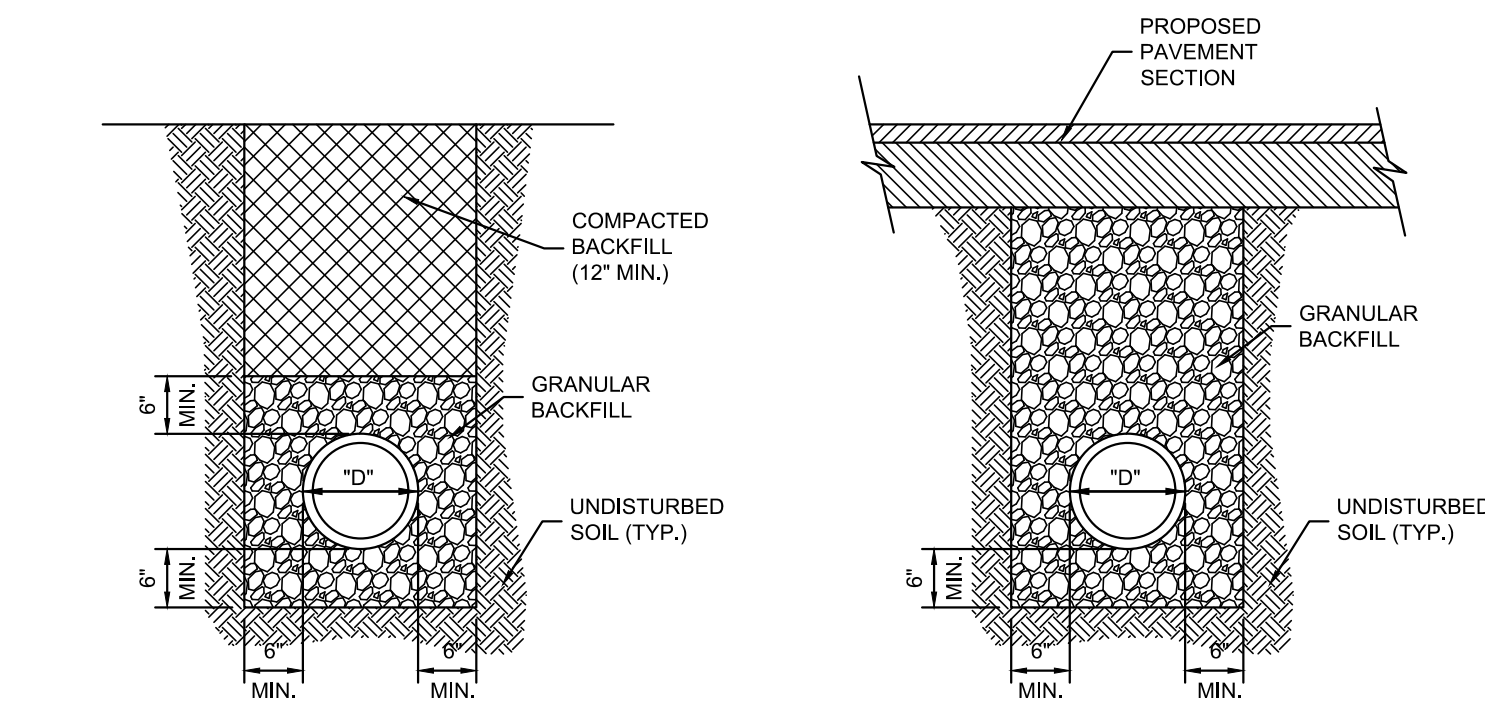


### RCP TOEWALL DETAIL

SCALE: NTS



### WITHIN EXISTING CONG. PAVED AREAS



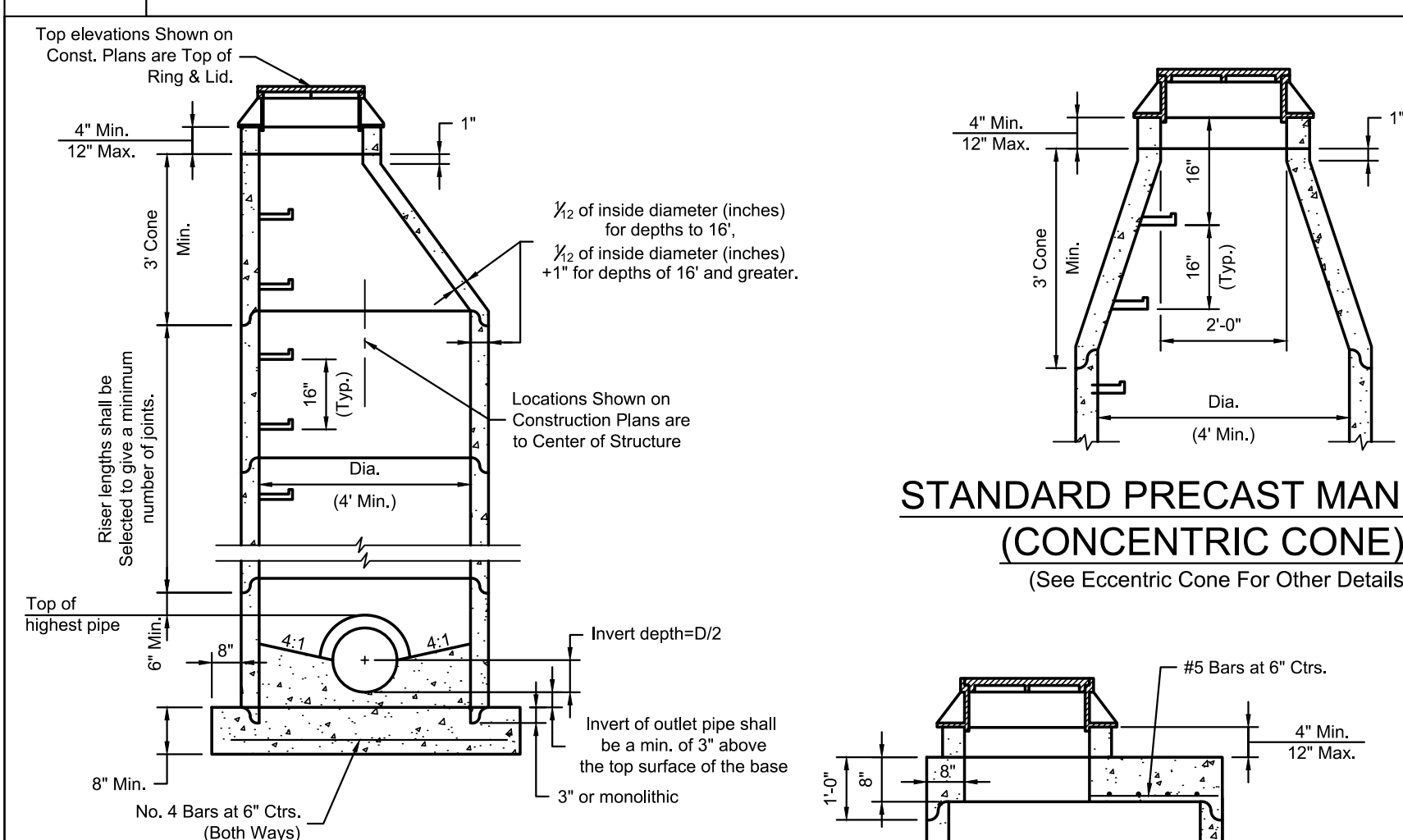
### WITHIN EXISTING ASPH. PAVED AREAS

### OUTSIDE OF PAVED AREAS

### WITHIN PROPOSED PAVED AREAS

### TRENCHING DETAILS

SCALE: NTS



### STANDARD PRECAST MANHOLE (CONCENTRIC CONE)

(See Eccentric Cone For Other Details)

### STANDARD PRECAST MANHOLE (SHALLOW TYPE)

(See Eccentric Cone For Other Details)

- GENERAL NOTES:**
1. All manholes are to be precast concrete and of Eccentric Cone type unless otherwise specified.
  2. Manhole top adjustments shall be accomplished by the use of concrete adjustment rings.
  3. Top of manhole casting shall be set flush and on same slope as finished surface or as directed by the Engineer.
  4. Reinforcement in all section shall equal or exceed A.S.T.M. C-478 specifications.
  5. The engineer shall designate modifications for manholes with special designs.
  6. The inside diameter of the manhole shall be 4'-0" for pipe diameters from 12" thru 24", 5'-0" for pipe diameters from 27" thru 36", and 6'-0" for pipe diameters 42" thru 48".
  7. Clearance Tolerance of Pipe Openings: The Maximum Allowable Pipe Opening on the Horizontal Axis Shall be the Outside Diameter of the Pipe Plus 12". The Maximum Allowable Pipe Opening on Vertical Axis Shall be the Outside Diameter Plus 8". The Minimum Clearance Between the Outside Surface of an Installed pipe and the Concrete of the Manhole Shall be 2".
  8. Installation of Pipe Openings: All Required pipe openings shall be plant cast in manhole units. Field alterations of openings will be permitted provided walls are scored with a masonry saw to a depth sufficient to sever reinforcing steel. A chipping hammer may then be used to remove the concrete. Minimum distance between any two adjacent pipes shall be 4".
  9. No direct payment for shaping floor or connection pipes as shown on plans.
  10. Ring & Cover to be Neenah R-1736, Clay & Bailey #2008, Deister #1315, or approved equal. (Casting may vary by municipality, refer to plans & contract documents.)
  11. Sanitary Sewers shall be coated and conform to Section 2600.

### AMERICAN PUBLIC WORKS ASSOCIATION (APWA) KANSAS CITY METROPOLITAN CHAPTER

#### MANHOLE DETAILS

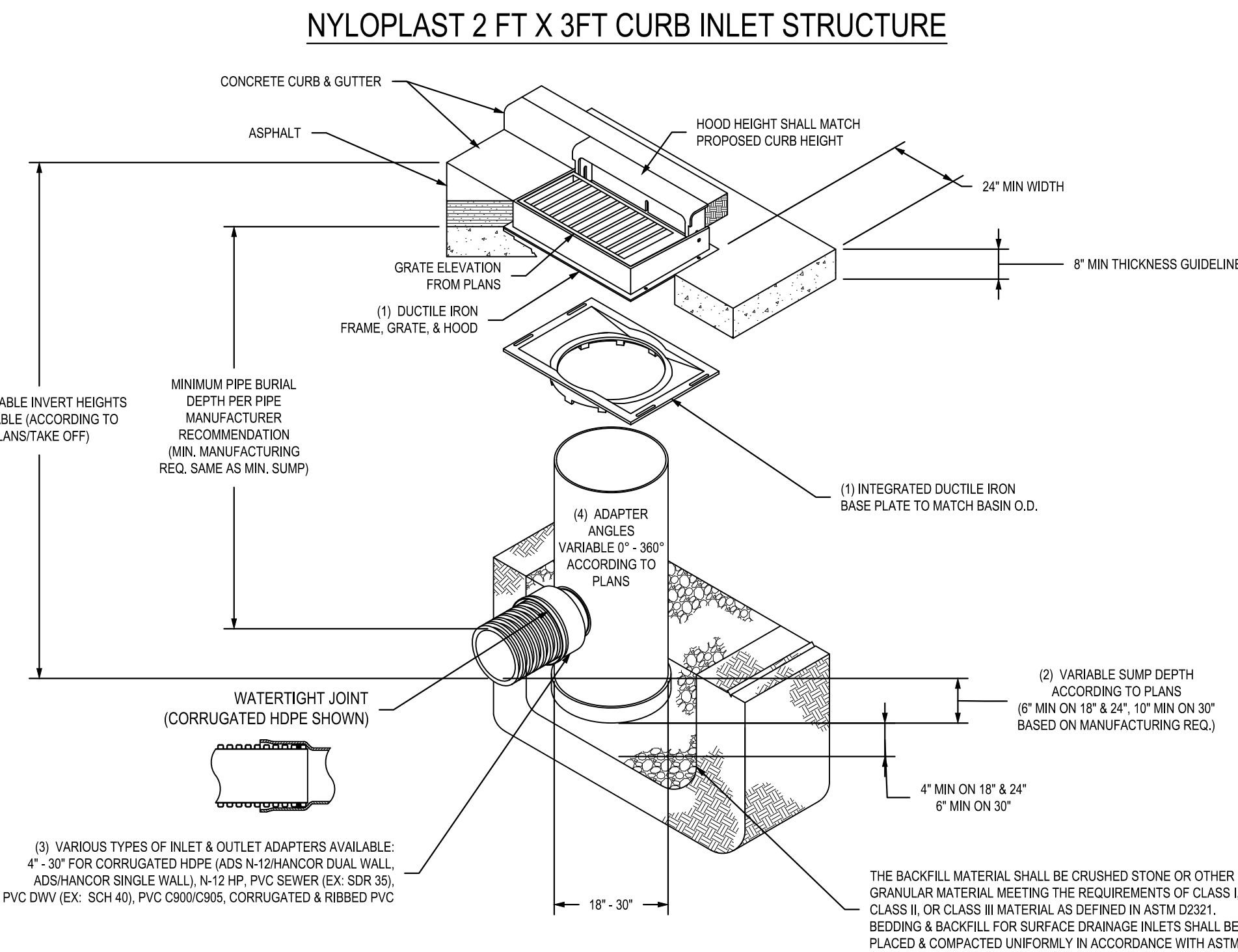
- 1 - 18" - 30" FRAMES, GRATES, HOODS, & BASE PLATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-20.
- 2 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
- 3 - ORANGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D1212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 24").
- 4 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 90°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 200110002.
- 5 - ALL CURB INLET ADAPTERS (DIAGONAL & HIGH FLOW) SHALL MEET H-20 LOAD RATING.

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DATE 03-22-10  
REVISED BY NMH  
DATE 03-16-16  
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SCALE 1:40  
SHEET 1 OF 1

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### NYLOPLAST 2 FT X 3 FT CURB INLET STRUCTURE



### AMERICAN PUBLIC WORKS ASSOCIATION (APWA) KANSAS CITY METROPOLITAN CHAPTER

#### CURB INLET - TYPE 2 DETAILS

STANDARD DRAWING NUMBER CI-2  
ADOPTED: APRIL 12, 1996

SITE PLAN  
SUBMITTAL  
JUNE 16, 2023  
Revisions  
1 ADD 1 05.25.23

13-23111-00  
UTILITY DETAILS

C2.0

**EDLRGROUP**  
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Suite 100  
Overland Park, KS 66213  
Tel: (913) 867-8111  
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CA No. 000599

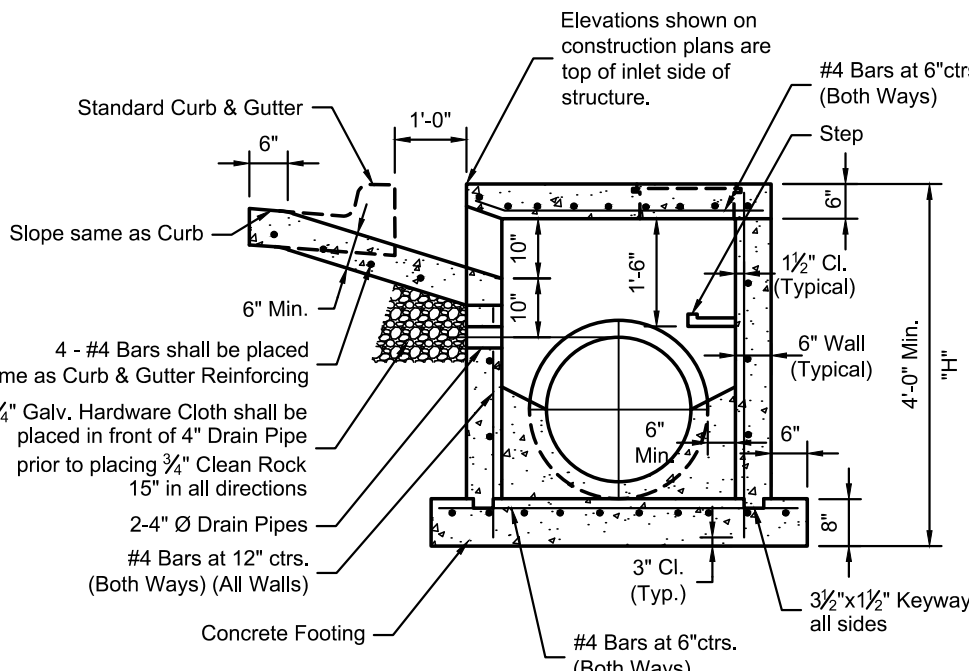
**BRADEN L. TAYLOR**  
REGISTERED PROFESSIONAL ENGINEER  
No. 000599  
6/16/23

BRADEN L. TAYLOR  
LISC. #202101098

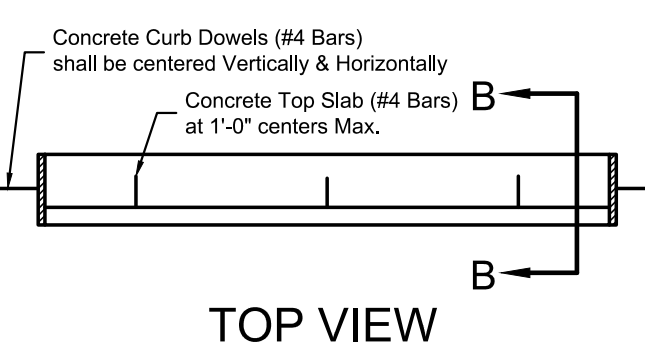
**MKEC**  
16027 W. 119th Street, Suite 200  
Overland Park, KS 66213  
Tel: (913) 867-8111  
Fax: (913) 867-8111  
Engineering No. 200102050  
Surveying No. 2006027138

**AMERICAN PUBLIC WORKS ASSOCIATION (APWA) KANSAS CITY METROPOLITAN CHAPTER**  
JUNCTION BOX DETAILS  
STANDARD DRAWING NUMBER JB-1  
ADOPTED: APRIL 17, 1996

- GENERAL NOTES:**
1. The first dimension listed in the Construction Notes is the "L" dimension. The second dimension is the "W" dimension. L's listed on the project plans are listed at the inside face of the wall.
  2. Floor of inlet shall be shaped with invert to provide smooth flow.
  3. Locate MH ring and cover over outlet.
  4. Steps shall be space at 1'-4" O.C. vertically.
  5. Bevel all exposed edges with 3/4" chamfer or 1/2" tool edge.
  6. On-grade inlets shall conform to the street grade and sump inlet shall be level.
  7. The sums of "L" & "W" shall not exceed 14' without special design. (See project plans for details)
  8. Ring & Cover to be Neenah R-1537, Clay & Bailey #2020, Deister #2016, or approved equal. (Casting may vary by municipality, refer to plans & contract documents.)



### SECTION A-A

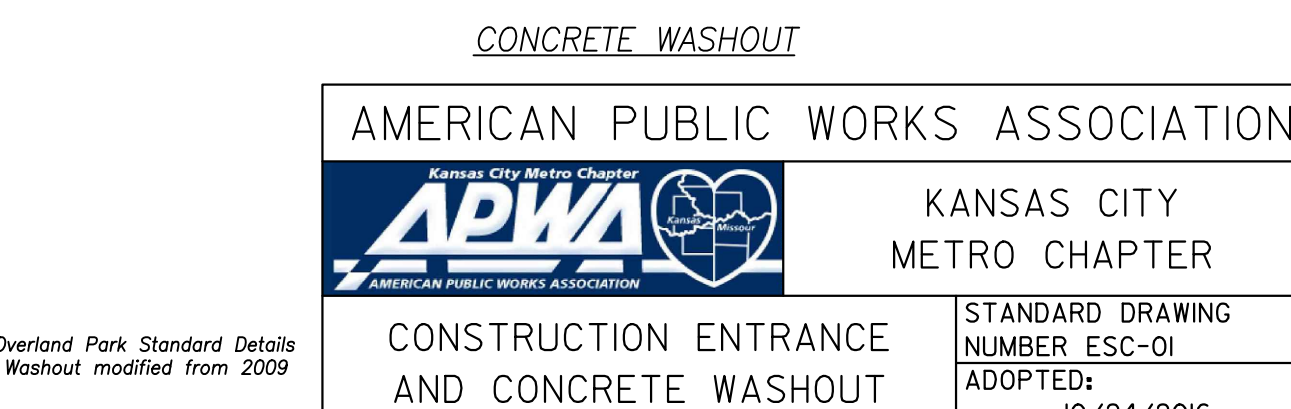
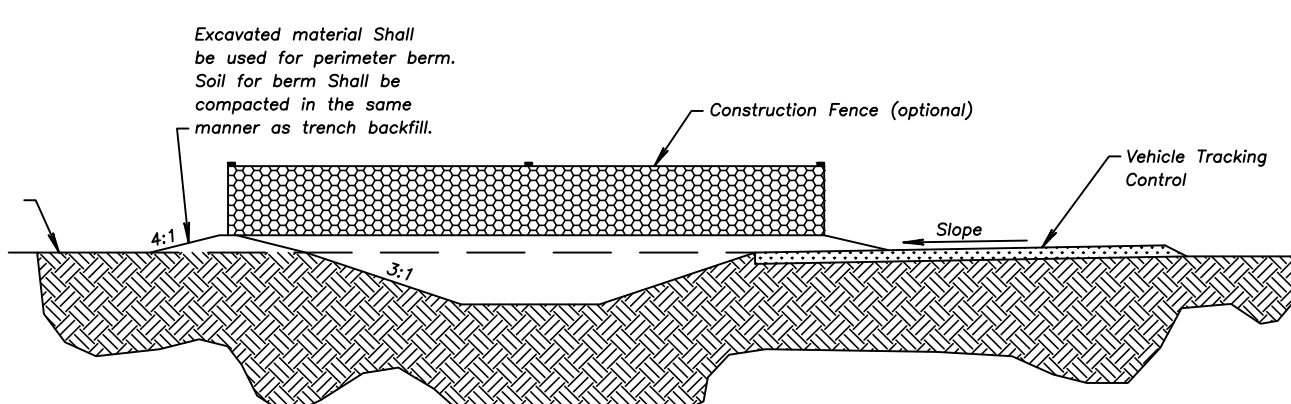
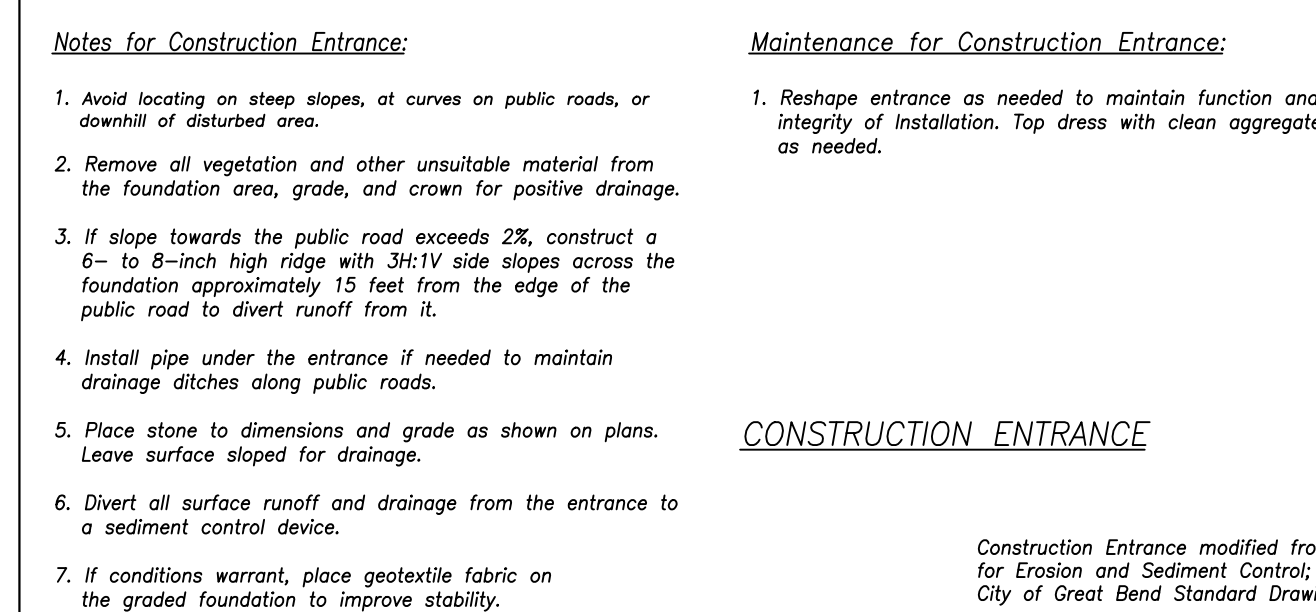
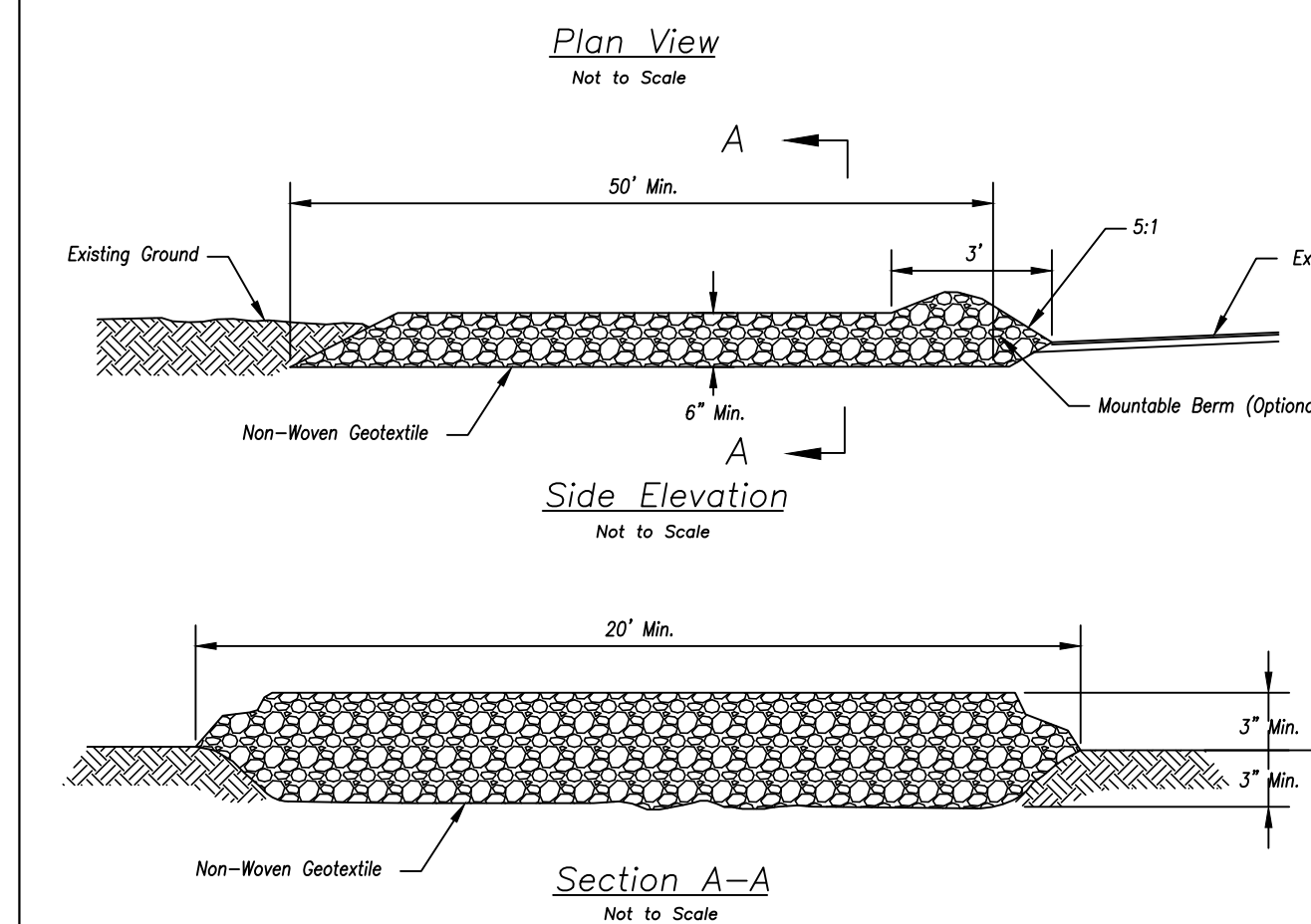
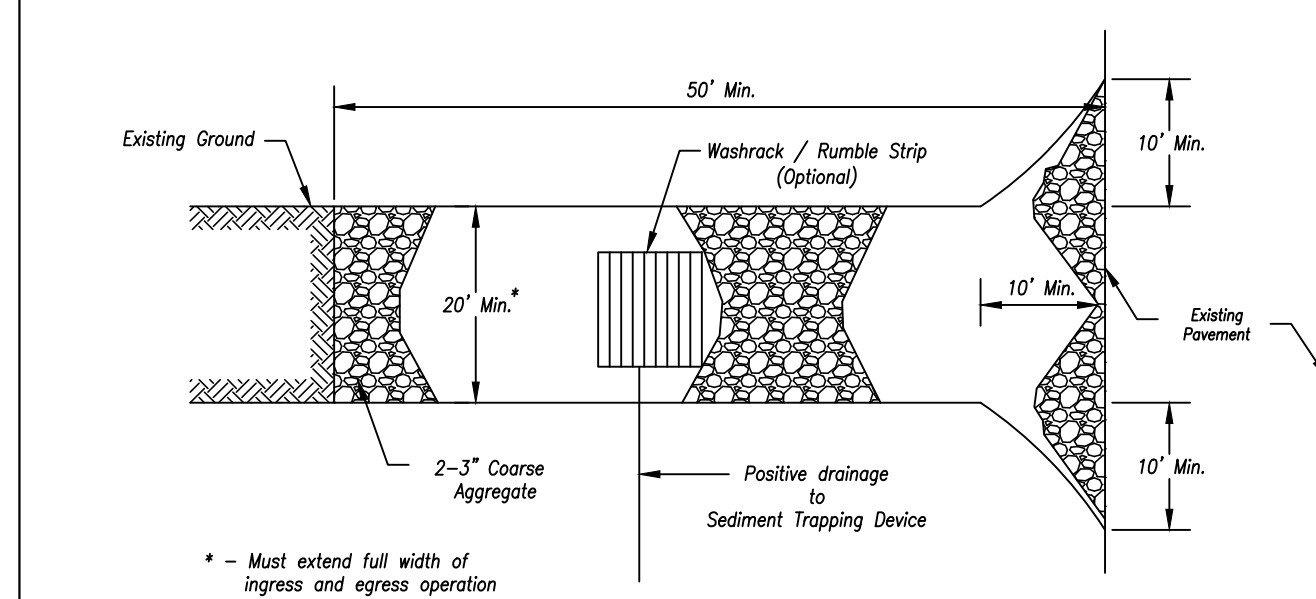
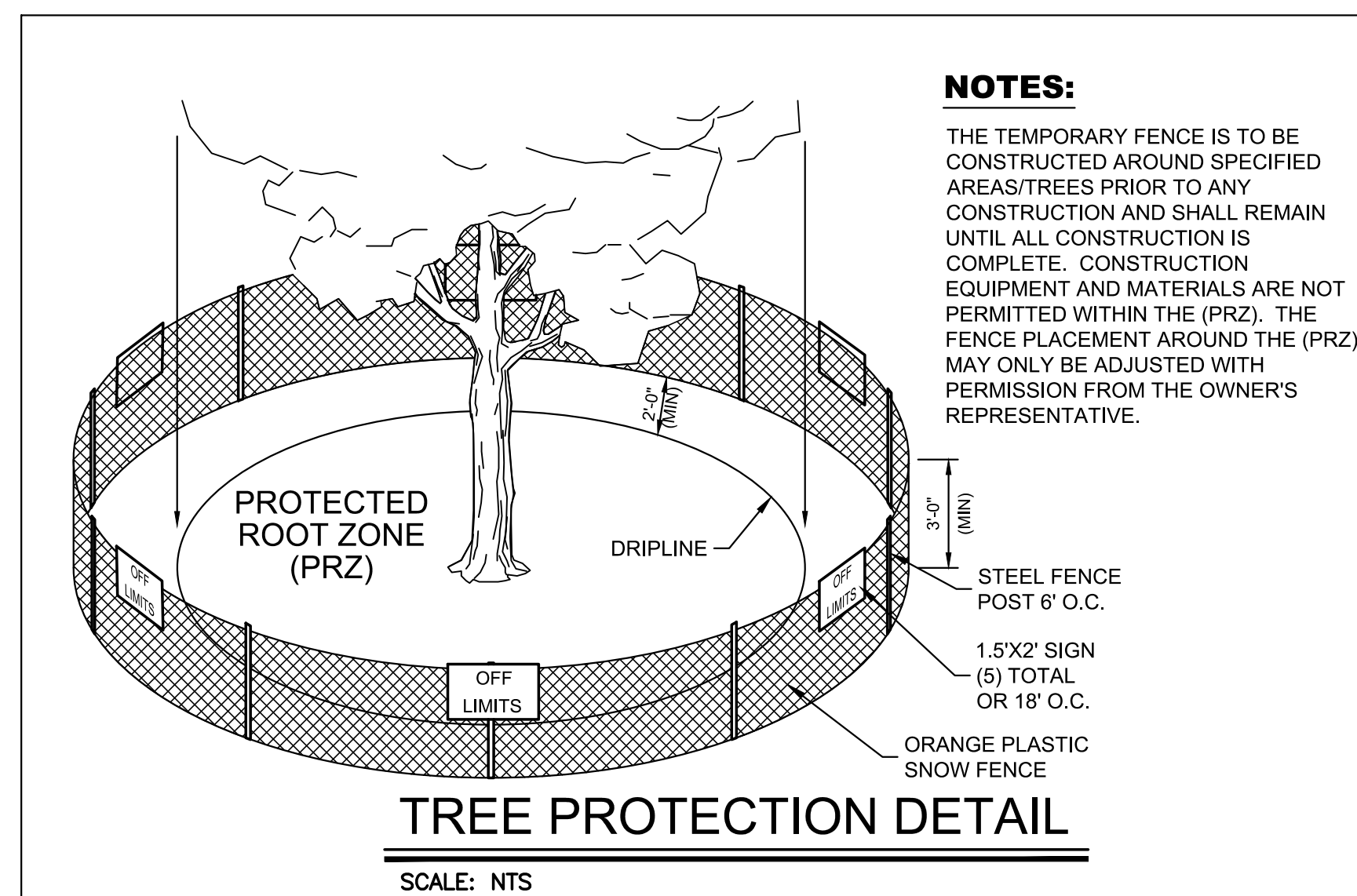


### TOP VIEW

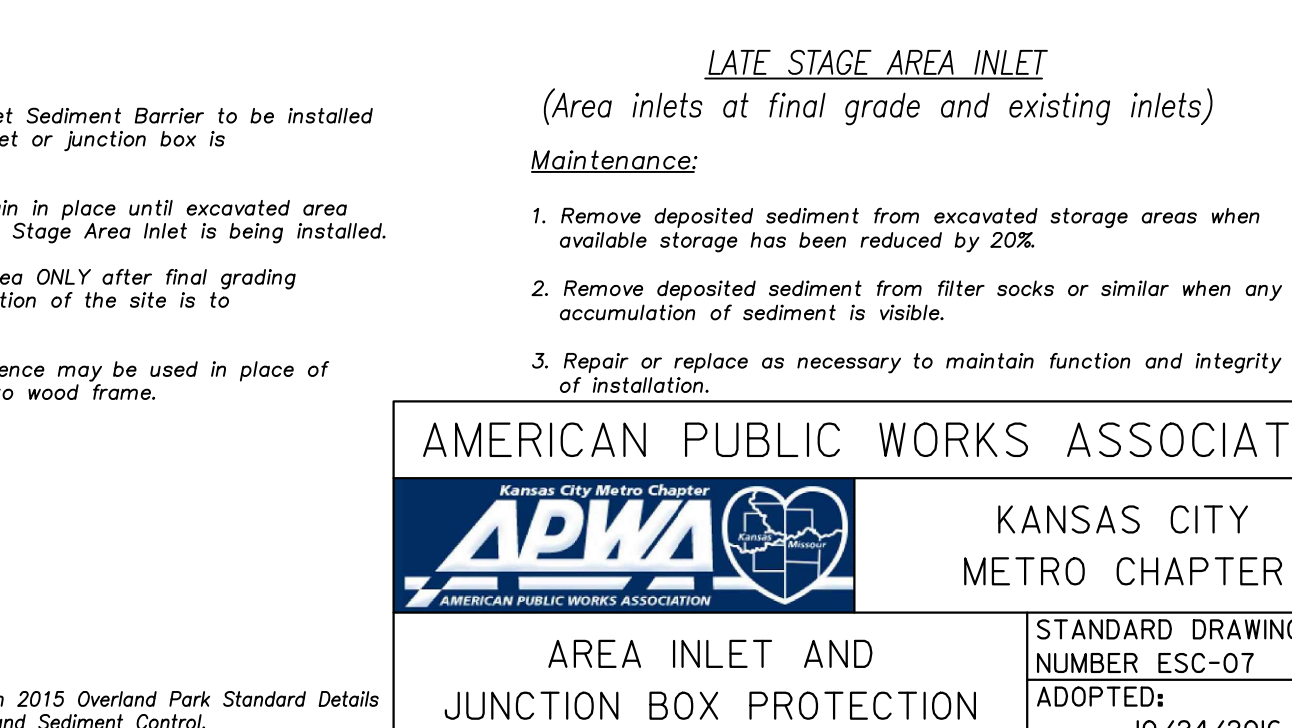
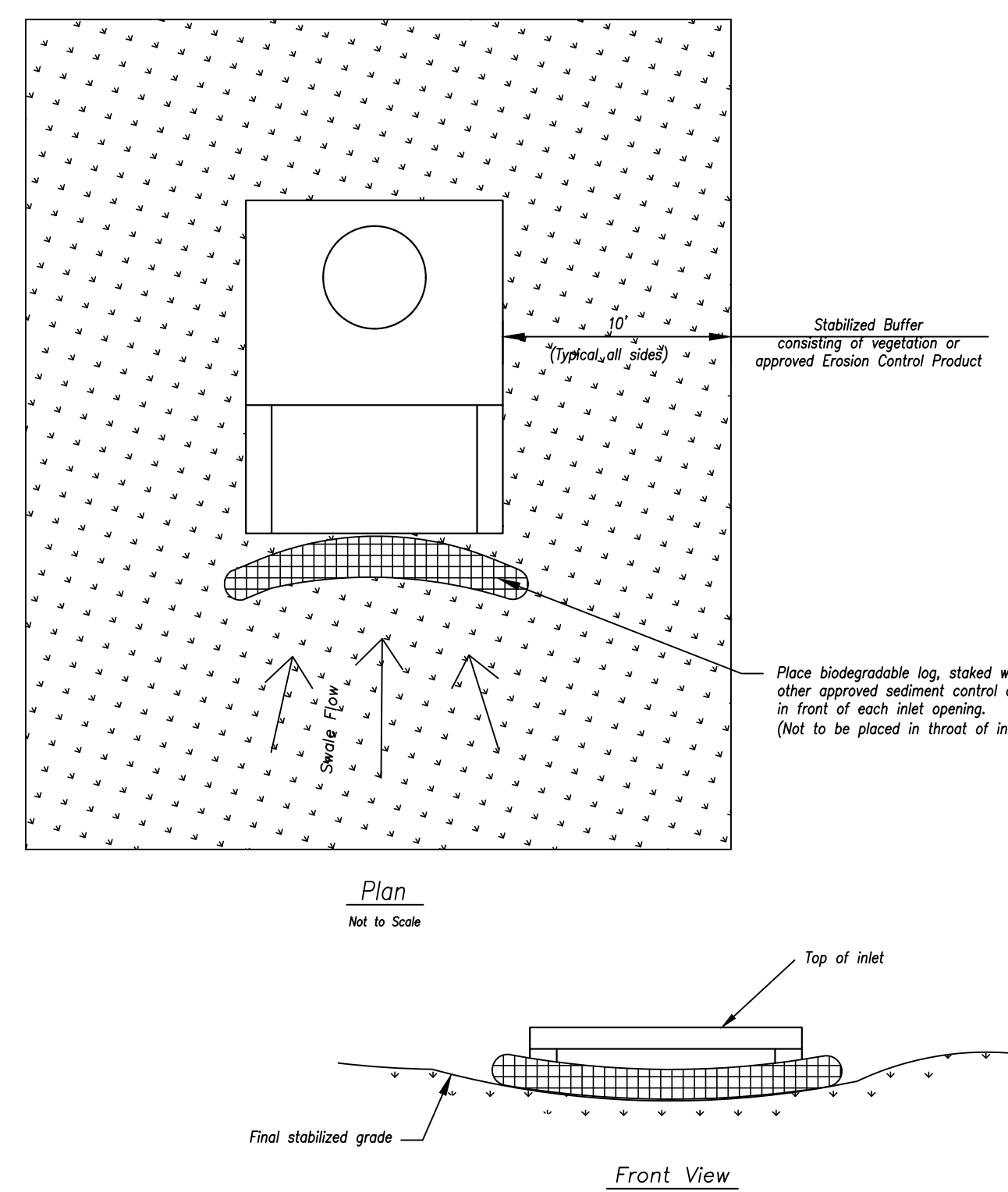
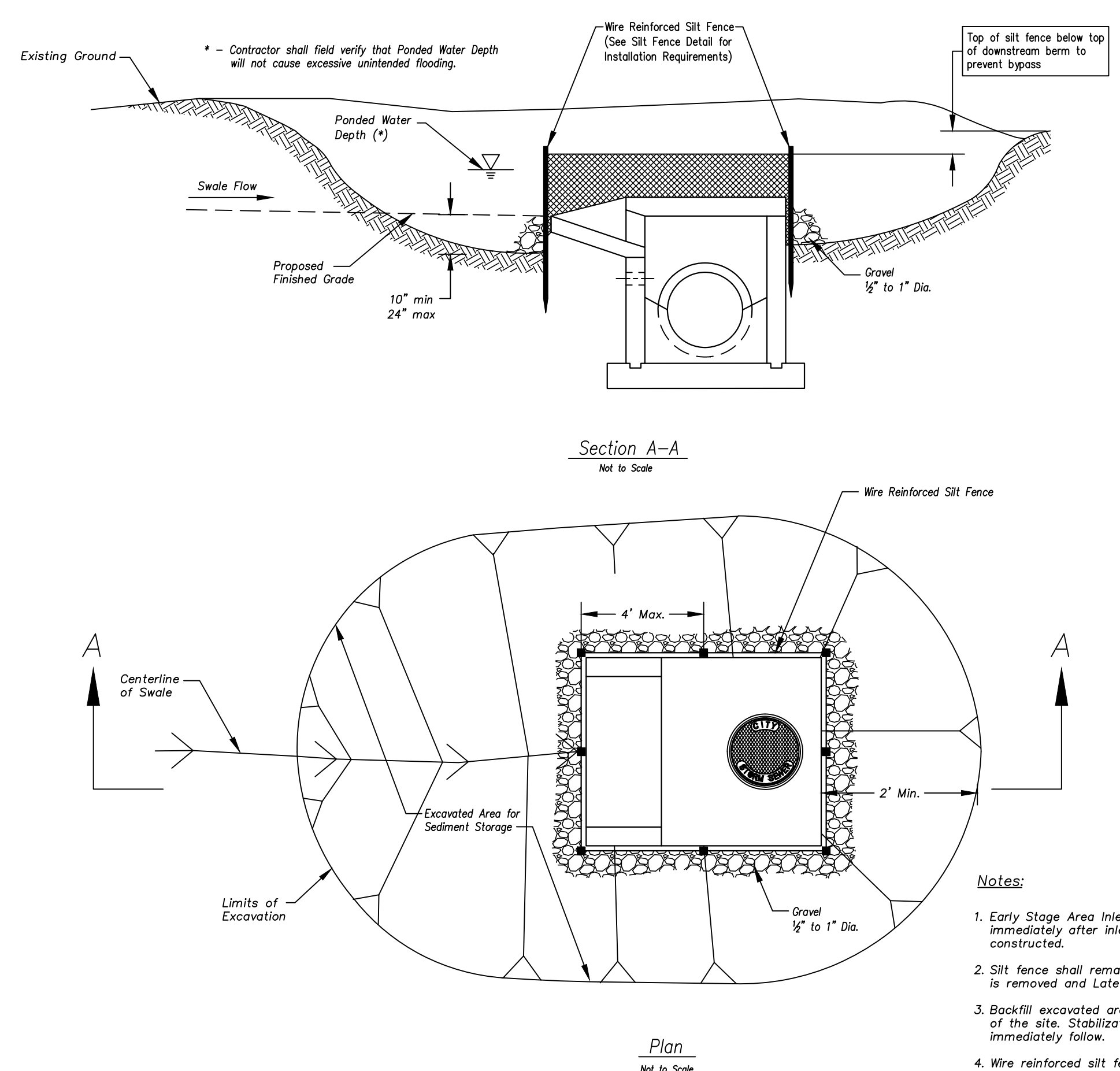
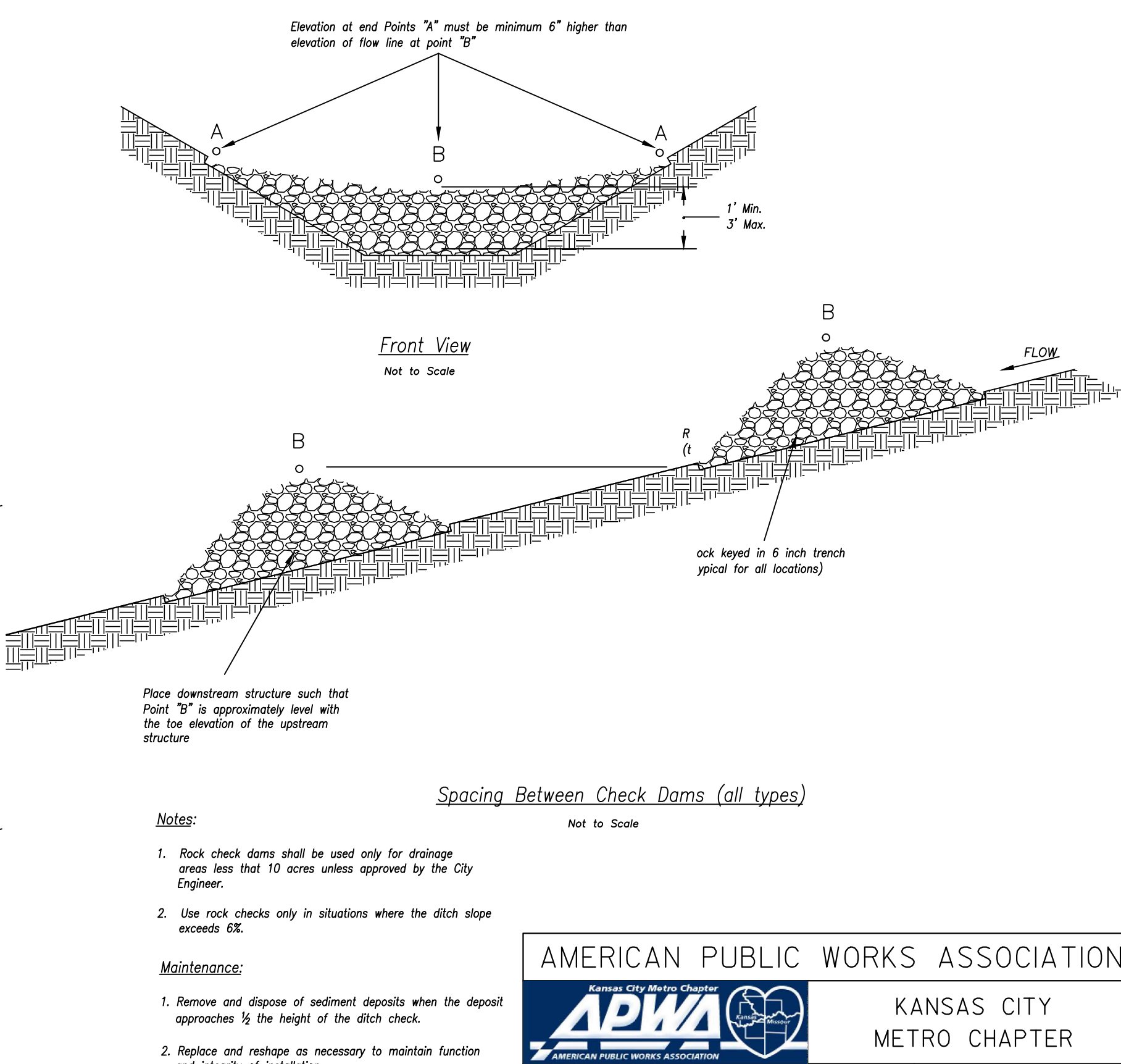
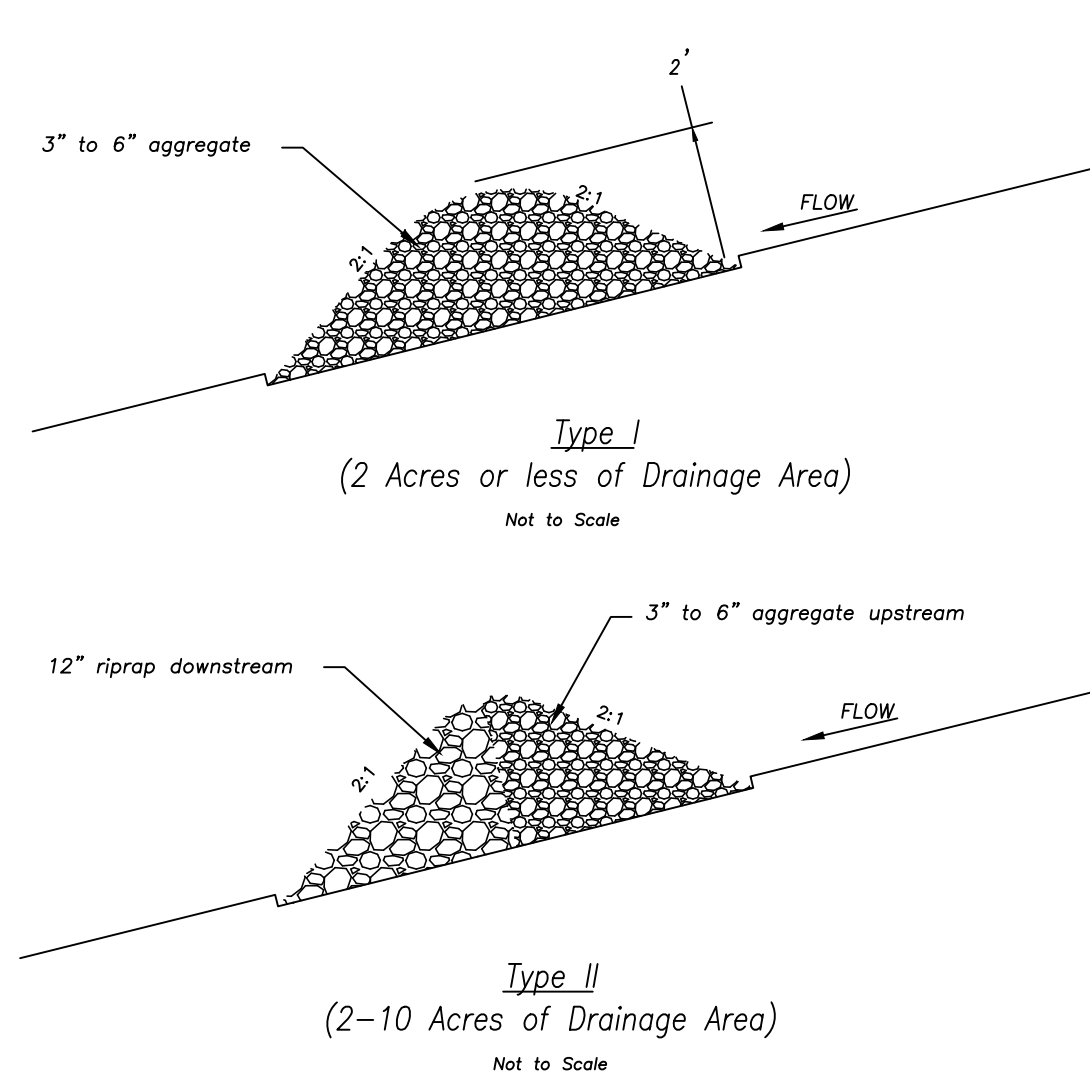








| Temporary Rock Ditch Check Spacing                 |                         |
|----------------------------------------------------|-------------------------|
| Ditch Centerline Slope ( % )                       | Spacing Interval (Feet) |
| 5.0                                                | 60                      |
| 6.0                                                | 50                      |
| 7.0                                                | 43                      |
| 8.0                                                | 36                      |
| 9.0                                                | 33                      |
| 10.0                                               | 29                      |
| Note: Use this spacing only for Rock Ditch Checks. |                         |





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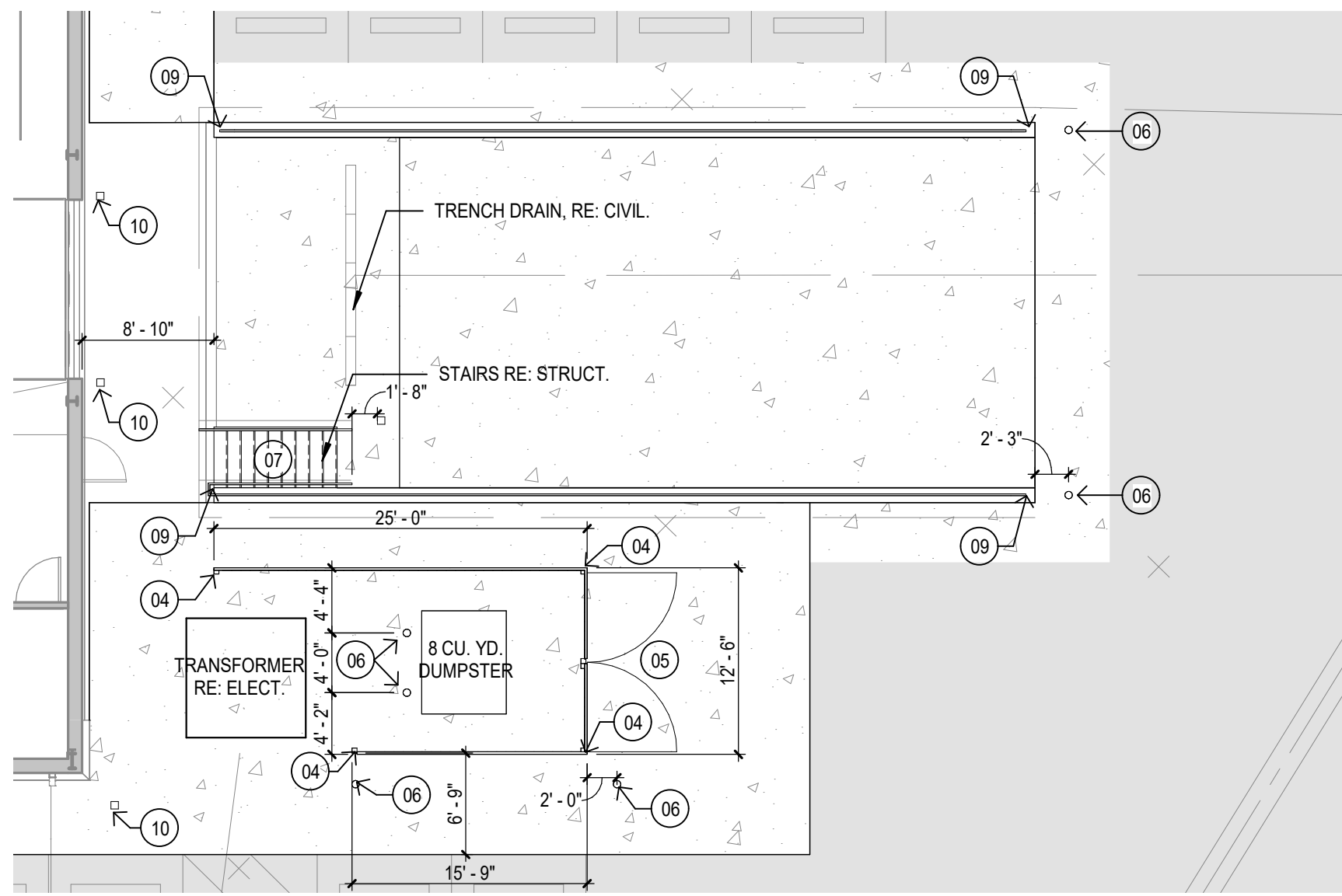
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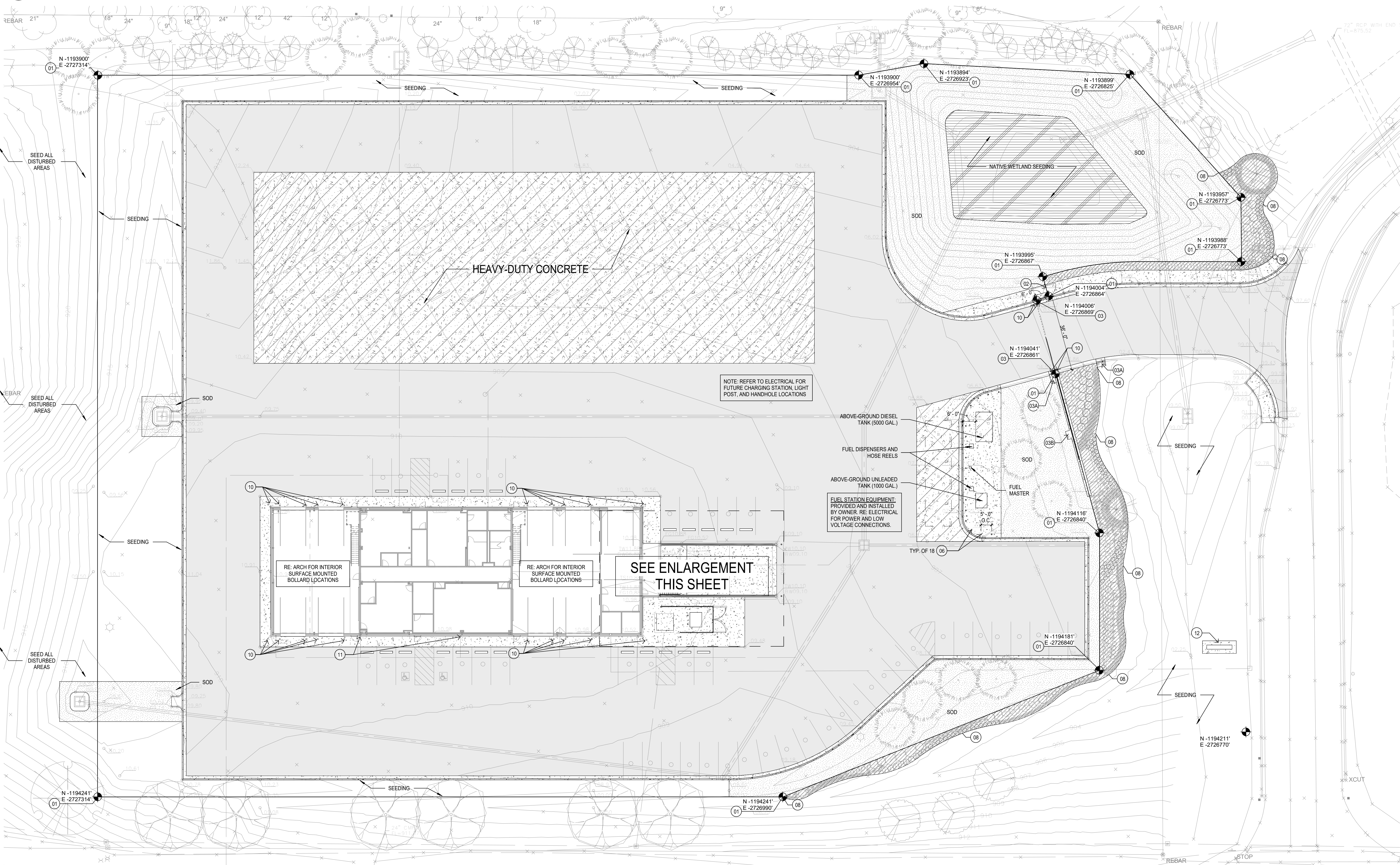
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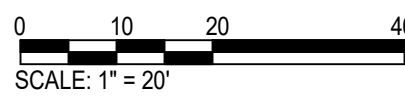
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**ENLARGED DOCK AREA PLAN**  
SCALE: 1" = 10'-0"



**OVERALL LAYOUT PLAN**  
SCALE: 1" = 20'-0"



**LAYOUT NOTES:**

1. THE CONTRACTOR WILL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND STRUCTURES BEFORE COMMENCING WORK. THE CONTRACTOR WILL CONDUCT HIS WORK SO AS TO PREVENT INTERRUPTION OF SERVICE OR DAMAGE TO THEM. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES AND STRUCTURES.
2. ALL CURBS/RAMPS TO BE BUILT IN COMPLIANCE WITH FEDERAL ACCESSIBILITY STANDARDS.
3. PAVING DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
4. ALL WORK WILL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THESE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.
5. VERIFY LAYOUT COORDINATES PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO SUPPLY AND INSTALL ALL REQUIRED SLEEVES UNDER PAVING AND WALKS.
7. PLACE DOWELLED EXPANSION JOINTS AT VERTICAL ELEMENTS (BUILDING, COLUMNS, WALLS, BACK OF CURBS, ETC.) AND STAIRS AND RAMPS AND APPROXIMATELY EVERY 50 LINEAR FEET. RE: CIVIL DRAWINGS.
8. WHERE NEW PAVEMENTS ARE CALLED FOR, PROVIDE AN EXPANSION JOINT AROUND ALL EXISTING UTILITIES, MANHOLES, POLES, LIGHTS, ETC.
9. SAWCUT JOINTS BETWEEN CRITICAL POINTS ARE TO BE EQUALLY SPACED, OR AS SHOWN ON DRAWINGS.
10. CONTRACTOR TO CONFIRM HORIZONTAL CONTROL POINTS IN THE FIELD. CONTRACTOR TO VERIFY HORIZONTAL CONTROL POINTS WITH HORIZONTAL COORDINATE POINTS.
11. ALL EXPOSED CONCRETE WALLS WILL HAVE A CONSISTENT RUBBED FINISH. CONTRACTOR TO PROVIDE MINIMUM 4 SQUARE FEET MOCK-UP FOR REVIEW AND APPROVAL.
12. CONTRACTOR TO PROVIDE MOCK-UP (4'x4') OF ALL DECORATIVE AND TYPICAL CONCRETE WALKS FOR REVIEW AND APPROVAL. ALL CONCRETE SIDEWALKS TO HAVE MEDIUM BROOM FINISH TRANSVERSE TO PEDESTRIAN TRAFFIC, UNLESS OTHERWISE INDICATED. MOCK-UP TO REMAIN ON SITE THROUGHOUT CONSTRUCTION.
13. ALL EXTERIOR GROUND OR BUILDING MOUNTED EQUIPMENT, INCLUDING BUT NOT LIMITED TO MECHANICAL EQUIPMENT, UTILITY METER BANKS, AND COOLERS, SHALL BE SCREENED FROM PUBLIC VIEW WITH LANDSCAPING OR AN ARCHITECTURAL TREATMENT COMPATIBLE WITH THE BUILDING ARCHITECTURE.
14. ALL ON-SITE WIRING AND CABLES SHALL BE PLACED UNDERGROUND. RE: CIVIL.

**HATCH LEGEND**

- ASPHALT, RE: CIVIL
- STANDARD GRAY CONCRETE WALK WITH BROOM FINISH, RE: CIVIL
- HEAVY-DUTY GRAY CONCRETE, RE: CIVIL
- TURF SOD, RE: SPECS.
- PLANTING AREA, SEE LANDSCAPE PLAN
- NATIVE WETLAND SEED MIX

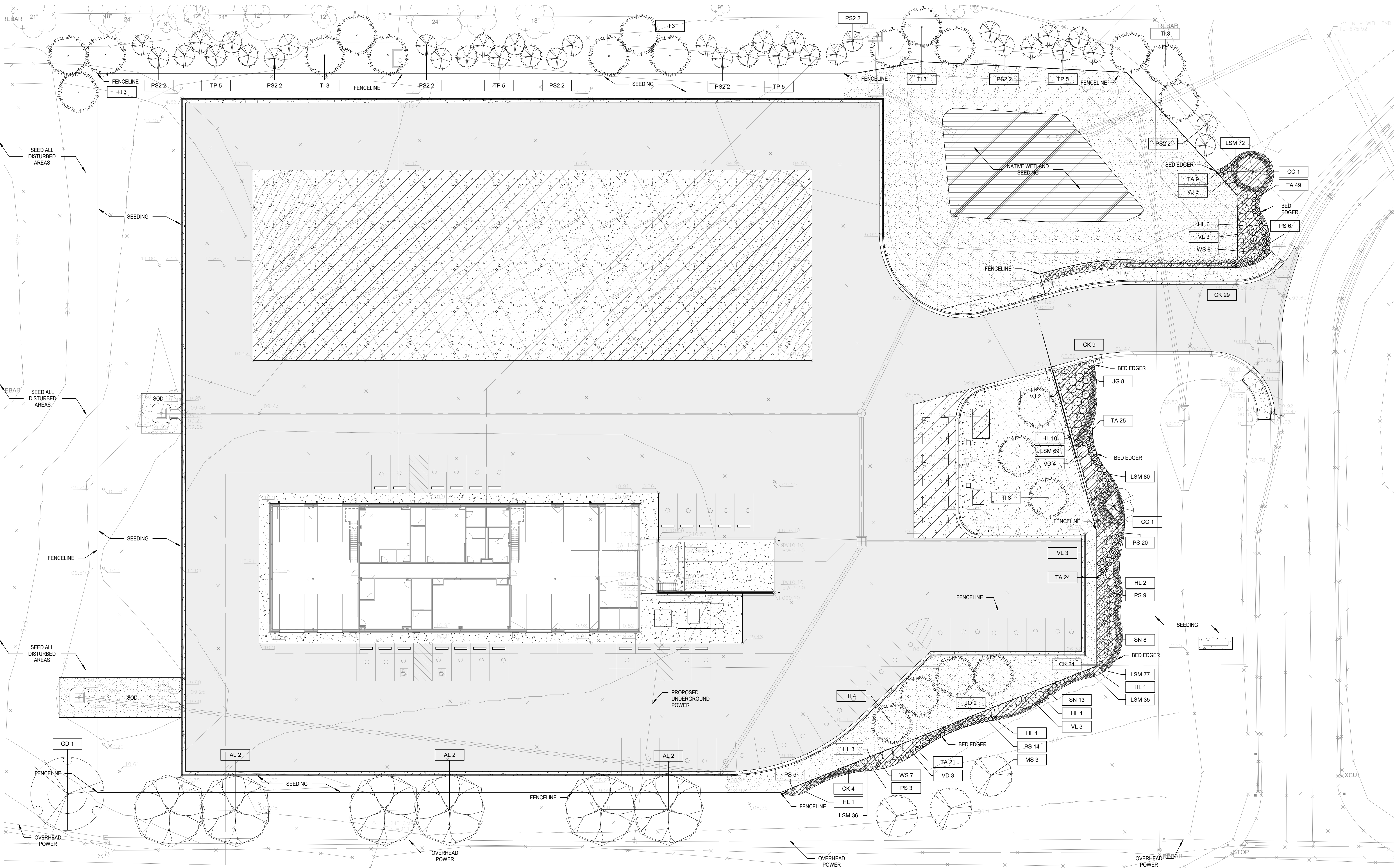
**KEYNOTE LEGEND**

- (01) 6' HT. PVC COATED CHAIN LINK FENCE, RE: 30/L4.0.
- (02) CHAIN LINK GATE W/ KEYCARD ENTRY/PANIC EXIT, RE: 3E/L4.0.
- (03) 35' AUTOMATED CHAIN LINK CANTILEVERED SLIDE GATE, RE: 3A/L4.1.
- (03A) KEYCARD PEDESTAL, RE: SPECS.
- (03B) GATE OPERATOR, RE: SPECS.
- (04) 6' HT. SCREEN FENCE, RE: 3A/L4.0.
- (05) 6' HT. SCREEN GATE, RE: 3A/L4.0.
- (06) PROTECTION BOLLARD, RE: 4B/L4.0.
- (07) CONCRETE STAIRS WITH HANDRAILS, RE: 30/L4.1.
- (08) BED EDGER, RE: 4A/L4.0.
- (09) CONCRETE WALL W/ GUARDRAIL, RE: STRUCT. RE: 50/L4.1 FOR RAIL.
- (10) SURFACE MOUNTED BOLLARD, RE: 4C/L4.0.
- (11) DOWNSPOUT BOOTS, RE: ARCH FOR DOWNSPOUT LOCATIONS.
- (12) MONUMENT SIGN



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| Plant Schedule |            |                                            |                                   |             |                 |
|----------------|------------|--------------------------------------------|-----------------------------------|-------------|-----------------|
| Count          | Plant Code | Botanical Name                             | Common Name                       | Sizing      | Root Types      |
| Trees          |            |                                            |                                   |             |                 |
| 6              | AL         | Acer saccharum 'Legacy'                    | Legacy Sugar Maple                | 2.5' Cal.   | B&B             |
| 2              | CC         | Cercis canadensis                          | Eastern Redbud                    | 2' Cal.     | B&B             |
| 1              | GD         | Gymnocladus dioica 'Espresso'              | Kentucky Coffeetree               | 2.5' Cal.   | B&B             |
| 3              | MS         | Malus x 'Spring Snow'                      | Spring Snow Crabapple             | 2' Cal.     | B&B             |
| 16             | PS2        | Pinus strobus 'Fastigata'                  | Columnar White Pine               | 7' - 8' HT. | -               |
| 22             | TI         | Thuja standishii x plicata 'Green Giant'   | Green Giant Arborvitae            | 7' - 8' HT. | -               |
| 20             | TP         | Thuja occidentalis 'Hetz Wintergreen'      | Hetz Wintergreen Arborvitae       | 6' - 7' HT. | B&B             |
| Shrubs         |            |                                            |                                   |             |                 |
| 66             | CK         | Calamagrostis x acutiflora 'Karl Foerster' | Karl Foerster Feather Reed Grass  |             | 2 GAL.          |
| 25             | HL         | Hydrangea paniculata 'Limelight'           | Limelight Panicle Hydrangea       |             | 5 GAL.          |
| 8              | JG         | Juniperus chinensis 'Gold Coast'           | Gold Coast® Juniper               |             | 5 GAL.          |
| 2              | JO         | Juniperus x 'Grey Owl'                     | Grey Owl Juniper                  |             | 5 GAL.          |
| 369            | LSM        | Aronia melanocarpa 'UCONNAM165'            | Low Scape Mound® Black Chokeberry |             | 1 GAL.          |
| 57             | PS         | Panicum virgatum 'Shenandoah'              | Shenandoah Switch Grass           |             | 1 GAL.          |
| 21             | SN         | Spiraea japonica 'SMNSJUMFR'               | Double Play® Red Spirea           |             | 5 GAL.          |
| 128            | TA         | Thuja occidentalis 'Anna Van Vloten'       | Anna's Magic Ball® Arborvitae     |             | 3 GAL.          |
| 7              | VD         | Viburnum plicatum tomentosum               | Douderelle Viburnum               |             | B&B 3' HT.      |
| 5              | VJ         | Viburnum x juddi                           | Juddi Viburnum                    |             | B&B 3' HT.      |
| 9              | VL         | Viburnum rhytidophyllum                    | Leatherleaf Viburnum              |             | B&B 3' - 4' HT. |
| 15             | WS         | Weigela florida 'Bokrosopin'               | Sonic Bloom® Pink Weigela         |             | 5 GAL.          |



#### LANDSCAPE NOTES:

1. THE CONTRACTOR WILL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND STRUCTURES BEFORE COMMENCING WORK. THE CONTRACTOR WILL CONDUCT HIS WORK SO AS TO PREVENT INTERRUPTION OF SERVICES OR DAMAGE TO THEM. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES AND STRUCTURES.
2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES BEFORE STARTING ANY WORK.
3. EXISTING UNDERGROUND (UG) UTILITIES AND DRAINAGE STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO NOTIFY THE UTILITY COMPANIES TO LOCATE UTILITIES BEFORE ACTUAL CONSTRUCTION.
4. THE CONTRACTOR WILL SHOW PROOF OF PROCUREMENT, SOURCES, QUANTITIES AND VARIETIES FOR ALL SHRUBS, PERENNIALS, ORNAMENTAL GRASSES, AND ANNUALS.
5. SUBSTITUTIONS WILL BE ALLOWED ONCE THE CONTRACTOR HAS EXHAUSTED ALL SOURCES FOR THE SPECIFIED MATERIAL, AND HAS PROVEN THAT THE SPECIFIED MATERIAL IS NOT AVAILABLE. THE CONTRACTOR MUST PROVIDE NAME AND VARIETY OF SUBSTITUTION IN THE SUBSTITUTION REQUEST FORM TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO TAGGING OR PLANTING. SUBSTITUTIONS WILL BE NEAREST EQUIVALENT SIZE OF VARIETY OF PLANT HAVING SAME ESSENTIAL CHARACTERISTICS.
6. SIZE AND QUALITY OF PLANT MATERIAL WILL CONFORM TO AMERICAN STANDARDS FOR NURSERY STOCK, ANSI Z60-1992, OR MOST RECENT EDITION.
7. ALL PLANT MATERIAL WILL BE NURSERY GROWN, SOUND, HEALTHY, VIGOROUS AND FREE FROM INSECTS, DISEASE AND INJURIES, WITH HABIT OF GROWTH THAT IS NORMAL FOR THE SPECIES. SIZES WILL BE EQUAL TO OR EXCEEDING SIZES INDICATED ON THE PLANT LIST. THE CONTRACTOR WILL SUPPLY PLANTS IN QUANTITY AS SHOWN ON THE DRAWINGS.
8. THE CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING POSITIVE SURFACE DRAINAGE IS PROVIDED IN ALL PLANTING AND TURF AREAS. ALL GRADE SURFACES WILL BE FINISHED TO UNIFORM GRADES AND SLOPED IN SUCH A MANNER TO BE FREE OF DEPRESSIONS THAT CAUSE AREAS OF STANDING WATER. THE CONTRACTOR WILL REPORT ANY CONFLICTS WITH THIS REQUIREMENT TO THE LANDSCAPE ARCHITECT/OWNER FOR RESOLUTION PRIOR TO FINAL OPERATIONS.
9. THE CONTRACTOR WILL REPORT SUB-SURFACE SOIL OR DRAINAGE ISSUES TO THE LANDSCAPE ARCHITECT.
10. CONTRACTOR SHALL STAKE PLANT LOCATIONS IN THE FIELD AND HAVE APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE PLANT PITS ARE EXCAVATED AND BEFORE PROCEEDING WITH INSTALLATION.
11. TREES, SHRUBS & GROUND COVERS SHALL BE LAID OUT IN A UNIFORM AND CONSISTENT PATTERN.
12. CONTRACTOR TO PLACE MULCH AROUND ALL TREES AND IN ALL PLANTING BEDS UNLESS OTHERWISE NOTED. TO A DEPTH OF 3" OR AS DESCRIBED IN THE SPECIFICATIONS. ALL PLANTING BEDS TO BE SEPARATED FROM LAWN AREAS WITH SPECIFIED EDGING OR CONCRETE CURB EDGE PER DRAWINGS.
13. ELEVATION OF TOP OF MULCH SHALL BE 1/2" MIN. BELOW ANY ADJACENT PAVEMENT OR 2" MIN. BELOW FINISHED FLOOR ELEVATION.
14. ALL SHRUB BEDS SHALL BE MULCHED WITH SPECIFIED ORGANIC OR DECORATIVE AGGREGATE MULCH AND SEPARATED FROM LAWN AREAS WITH SPECIFIED EDGING OR CONCRETE CURB EDGE PER DRAWINGS.
15. CONTRACTOR SHALL FINE GRADE AND SEED ALL AREAS DISTURBED DURING CONSTRUCTION AND ESTABLISH NEW LAWN AREA, NOT DESIGNATED FOR SOD, NATIVE MEADOW, OR PLANTING BEDS. CONTRACTOR TO SEED ALL AREAS WITHIN CONTRACT LIMITS NOT COVERED BY PAVING, BUILDINGS, OR PLANTING BEDS UNLESS OTHERWISE NOTED.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING ACTUAL AREAS OF SEED AND QUANTITIES REQUIRED FOR COVERAGE.
17. ALL PLANT MATERIALS DELIVERED TO THE SITE FOR APPROVAL AND INSTALLATION SHALL BE IDENTIFIED AND TAGGED. TO ENSURE THE PLANTS PROVIDED ARE AS SPECIFIED. PLANTS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
18. ALL TREES SHALL BE CALLIPERED AND UNDERSIZED TREES SHALL BE REJECTED.
19. PLANT QUANTITIES ARE PROVIDED FOR CONTRACTOR CONVENIENCE ONLY. PROVIDE AND INSTALL ALL PLANTS SHOWN ON THE PLANTING PLANS.
20. SPACING OF ALL PLANTINGS TO BE AS SHOWN ON PLANS.
21. ALL LANDSCAPE AREAS AND PLAYING FIELD AREAS TO HAVE A MINIMUM OF 6" TOPSOIL.
22. ALL TURF AREAS TO HAVE 4" MINIMUM OF TOPSOIL - SEE SPECS FOR SOIL AMENDMENTS.
23. PROVIDE, INSTALL AND INCORPORATE SOIL AMENDMENTS PER RECOMMENDATIONS PER THE AGRONOMIC SOILS REPORT.

#### HATCH LEGEND

- ASPHALT, RE. CIVIL
- STANDARD GRAY CONCRETE WALK WITH BROOM FINISH, RE. CIVIL
- HEAVY-DUTY GRAY CONCRETE, RE. CIVIL
- TURF SOD, RE. SPECS.
- PLANTING AREA, SEE LANDSCAPE PLAN.
- NATIVE WETLAND SEED MIX



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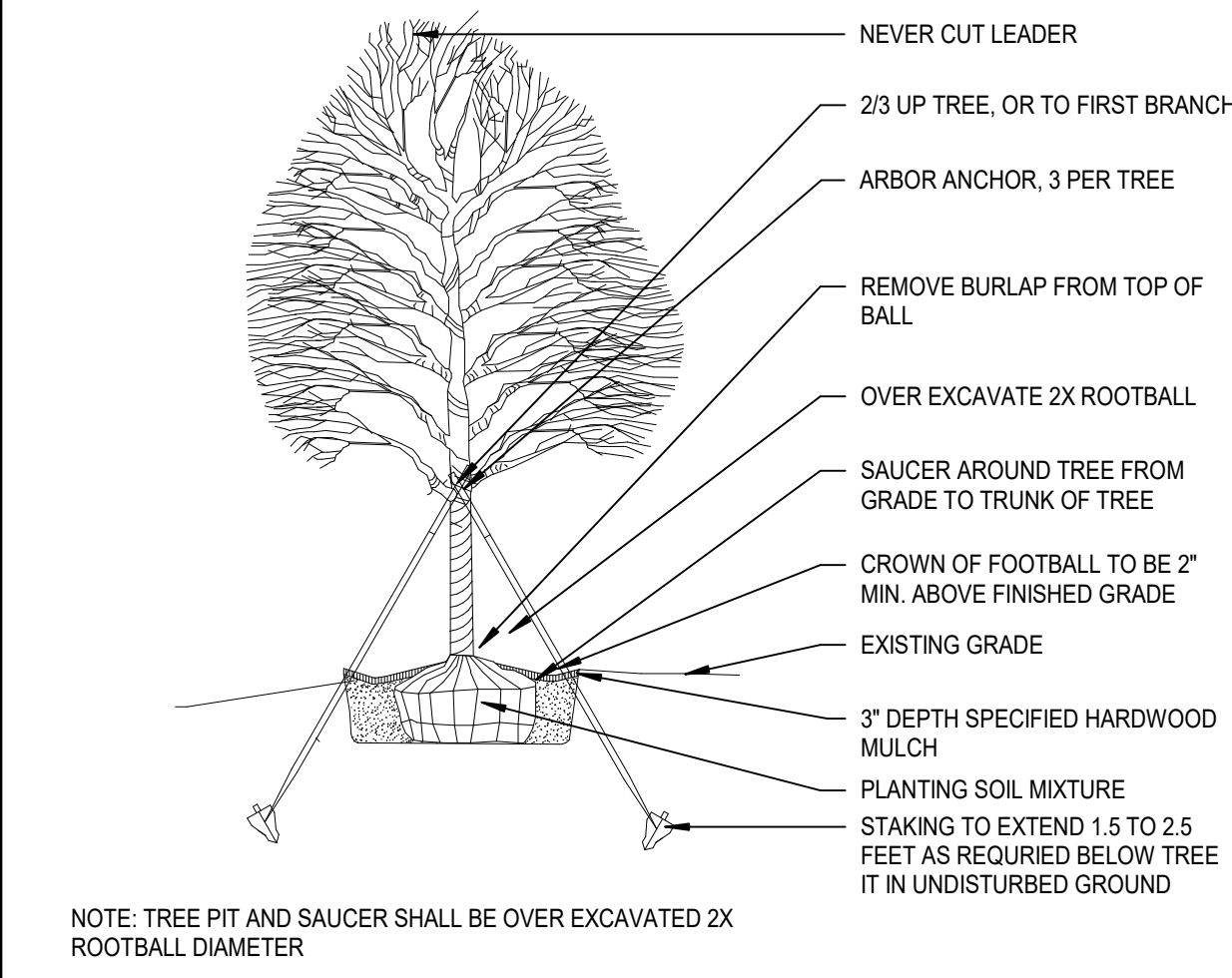
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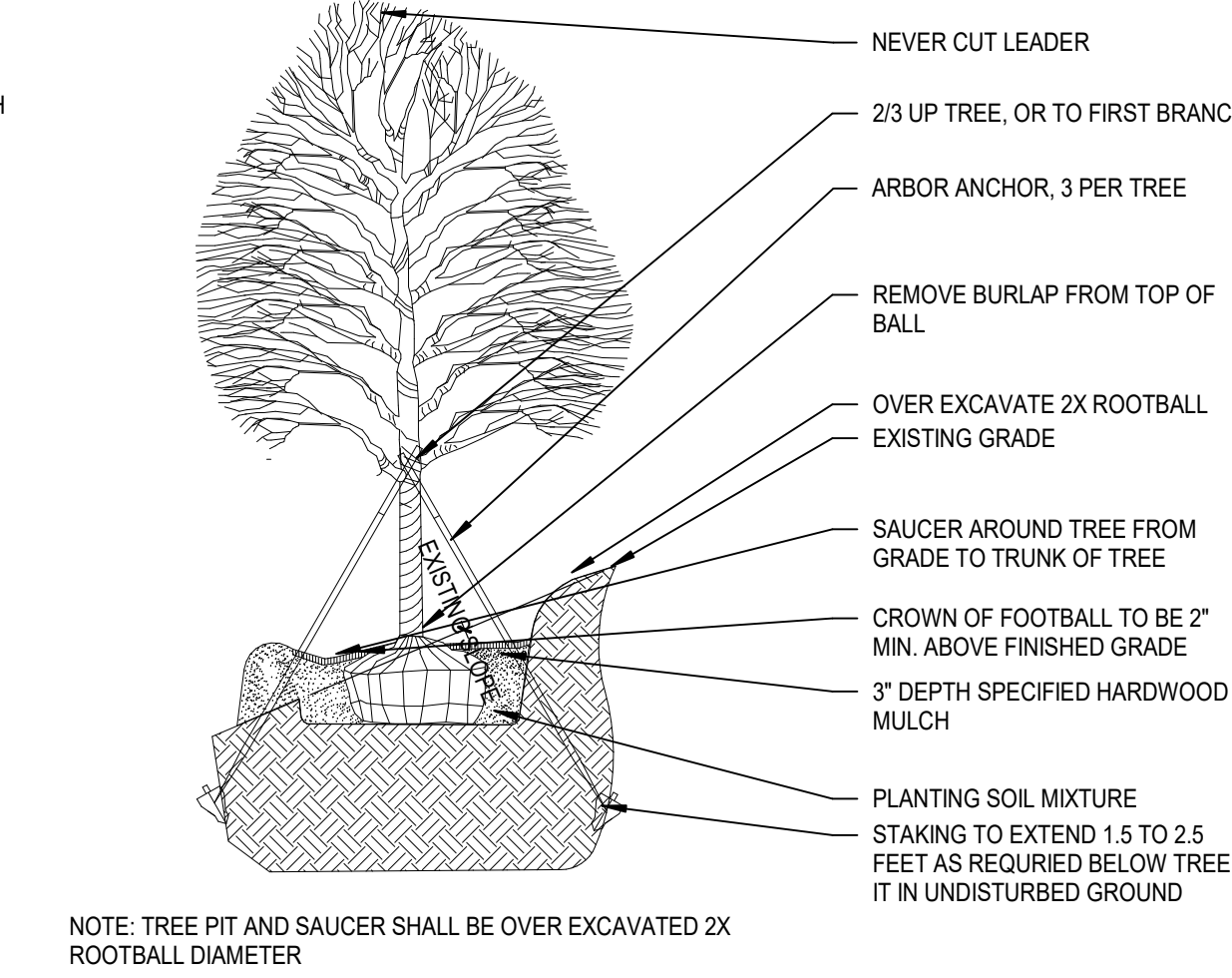
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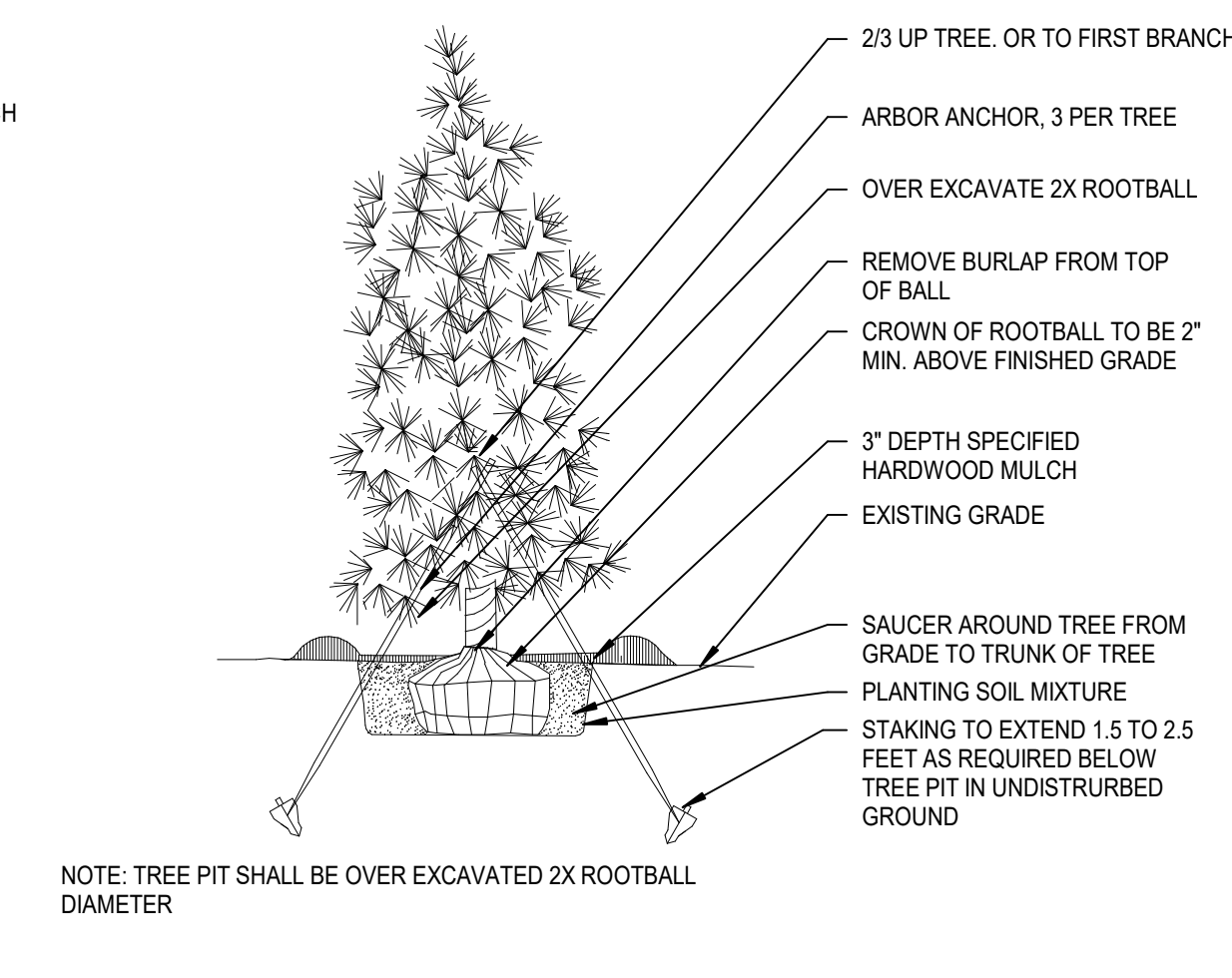
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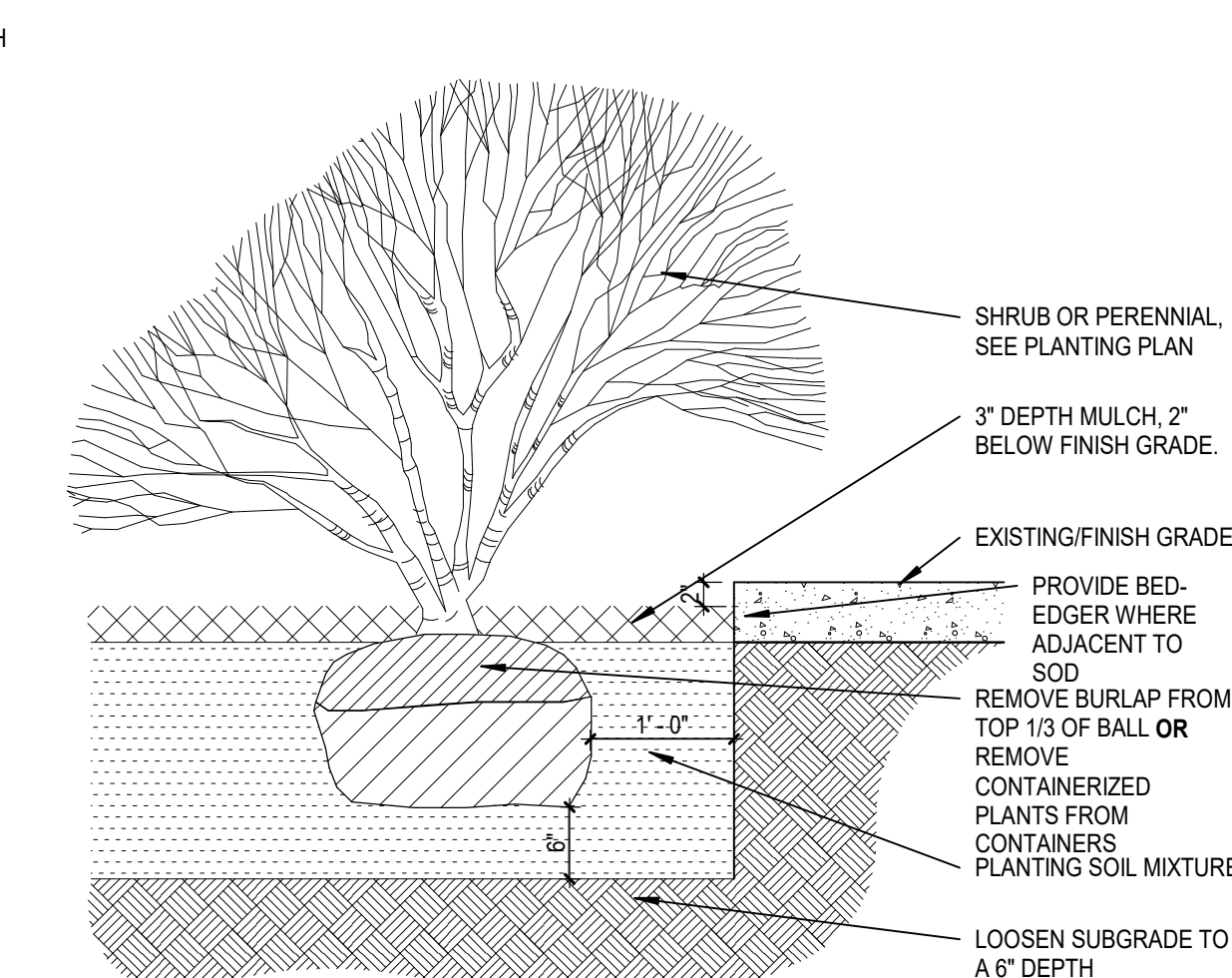
1A DECIDUOUS TREE PLANTING DETAIL  
L4.0 NO SCALE



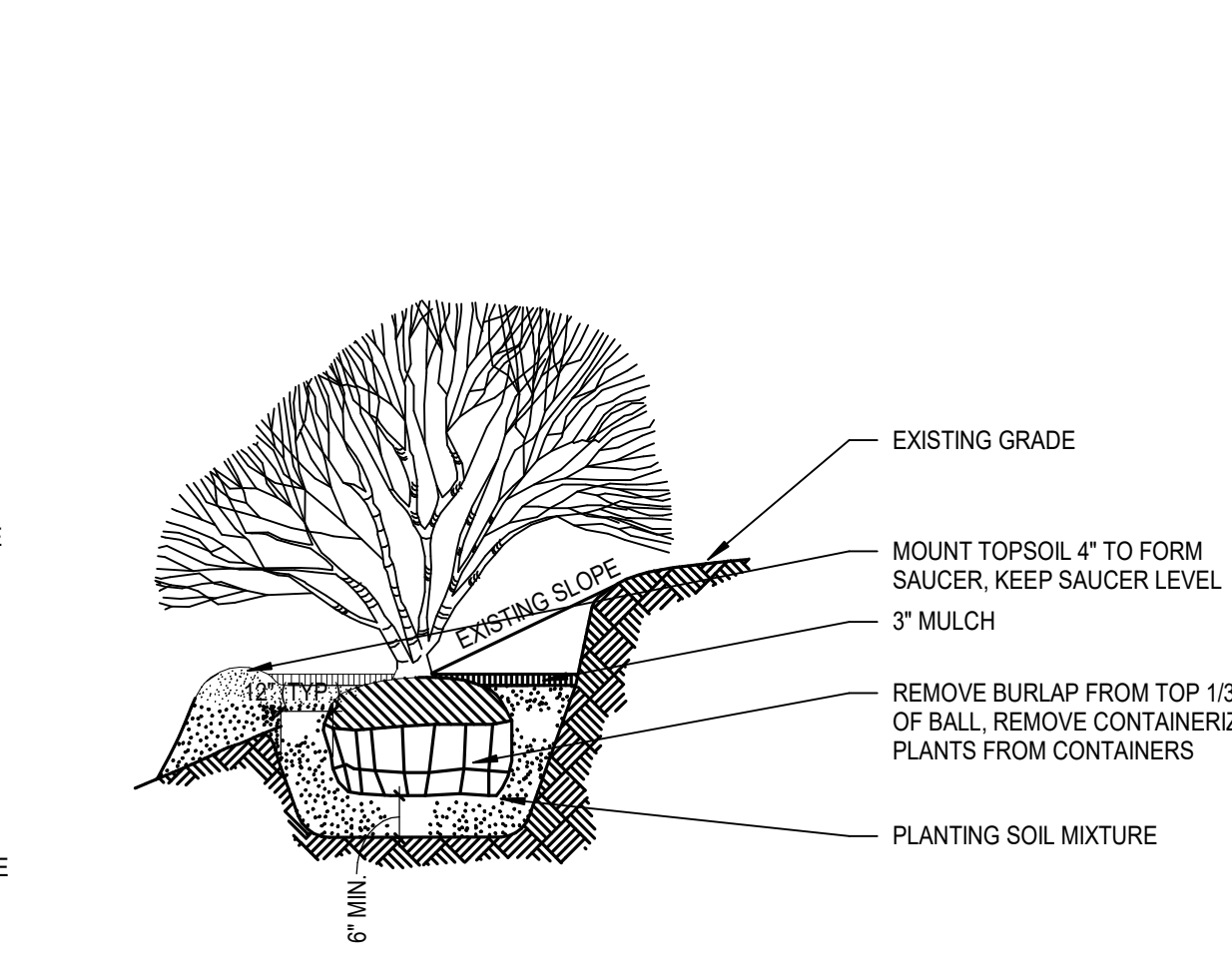
1B DECIDUOUS TREE PLANTING ON SLOPE  
L4.0 NO SCALE



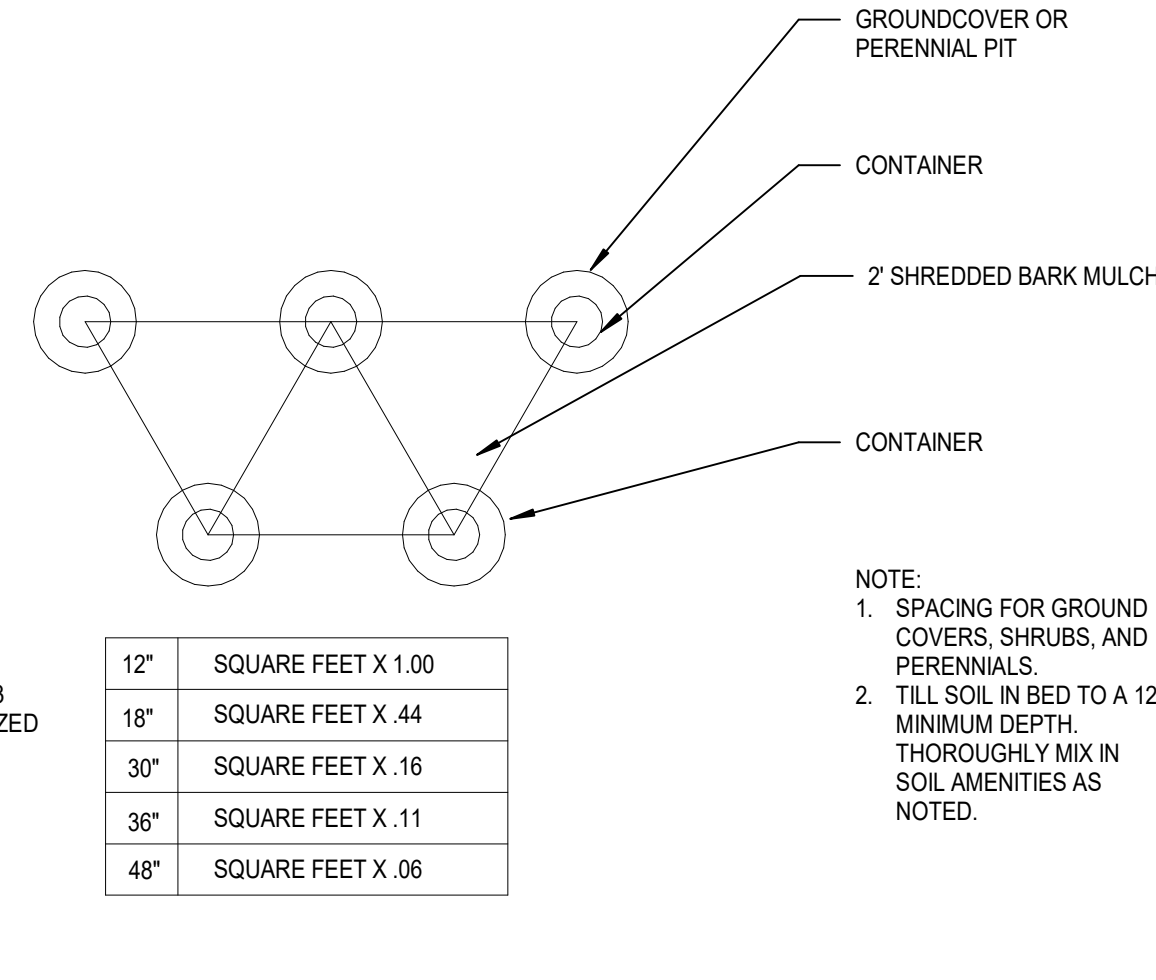
1C EVERGREEN TREE PLANTING DETAIL  
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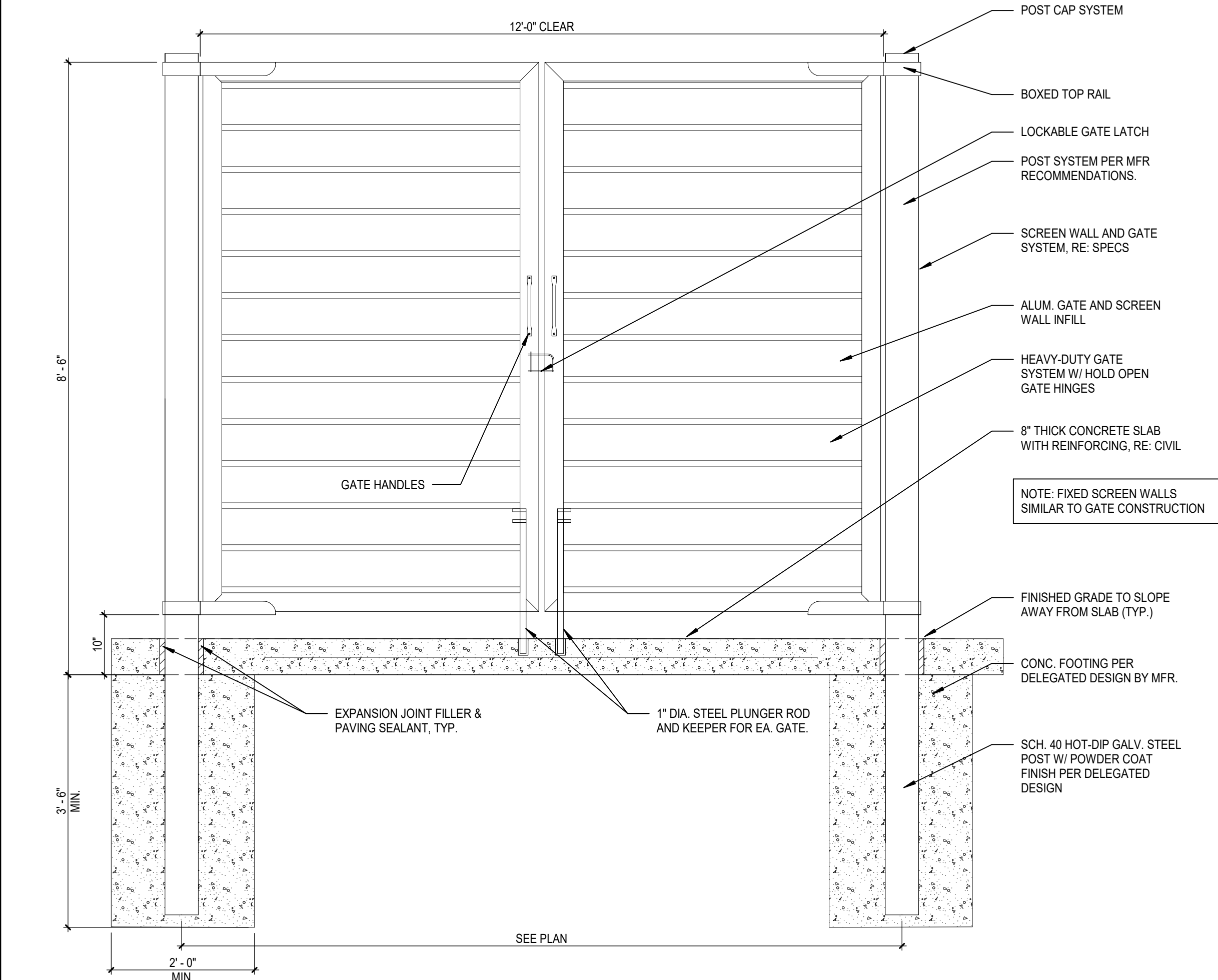
1D SHRUB PLANTING DETAIL  
L4.0 NO SCALE



1E SHRUB PLANTING ON SLOPE DETAIL  
L4.0 NO SCALE



1F PERENNIAL LAYOUT PLAN  
L4.0 NO SCALE



3A TRASH ENCLOSURE  
L4.0 SCALE: 3/4" = 1'-0"

GATE POSTS

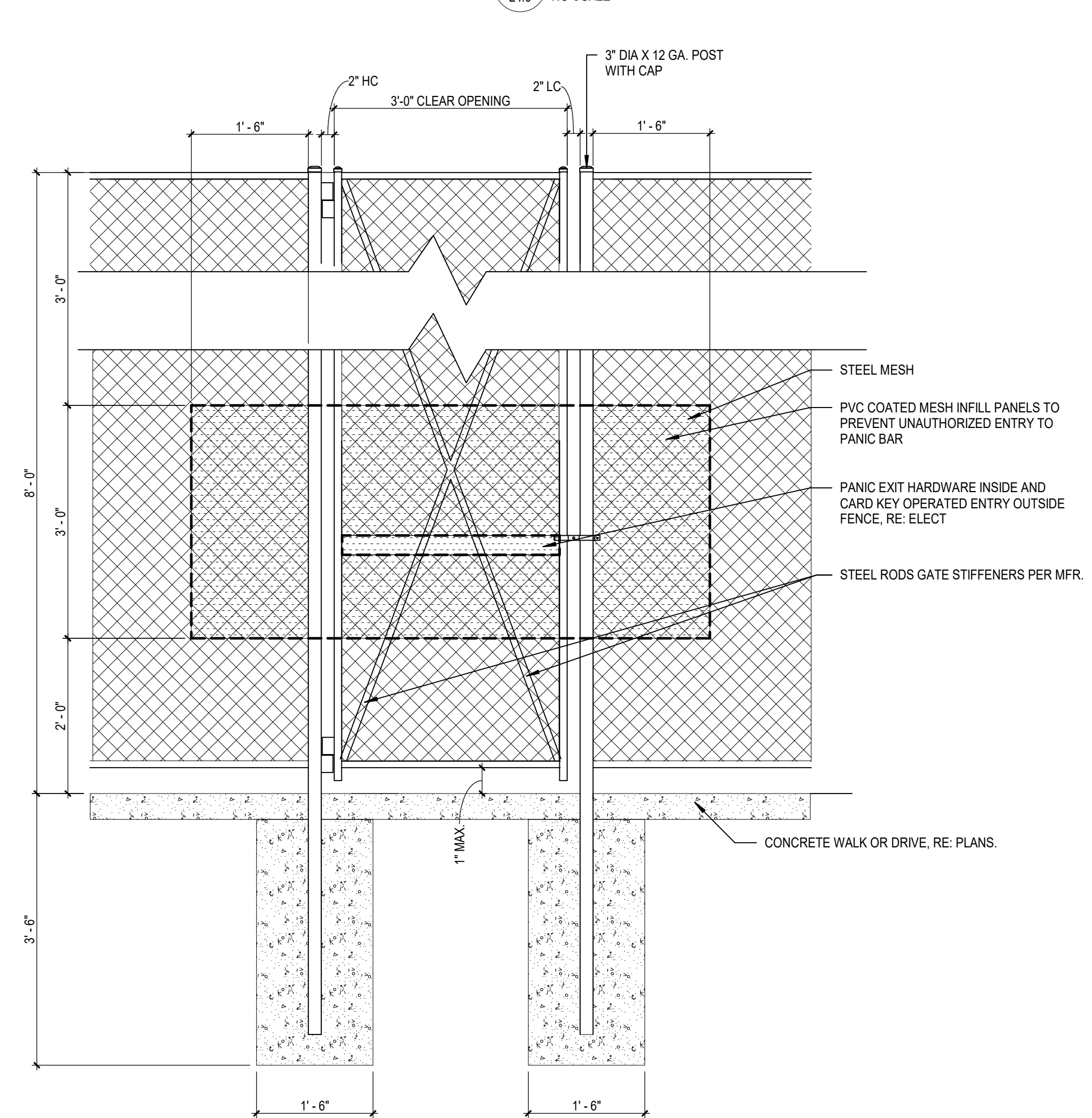
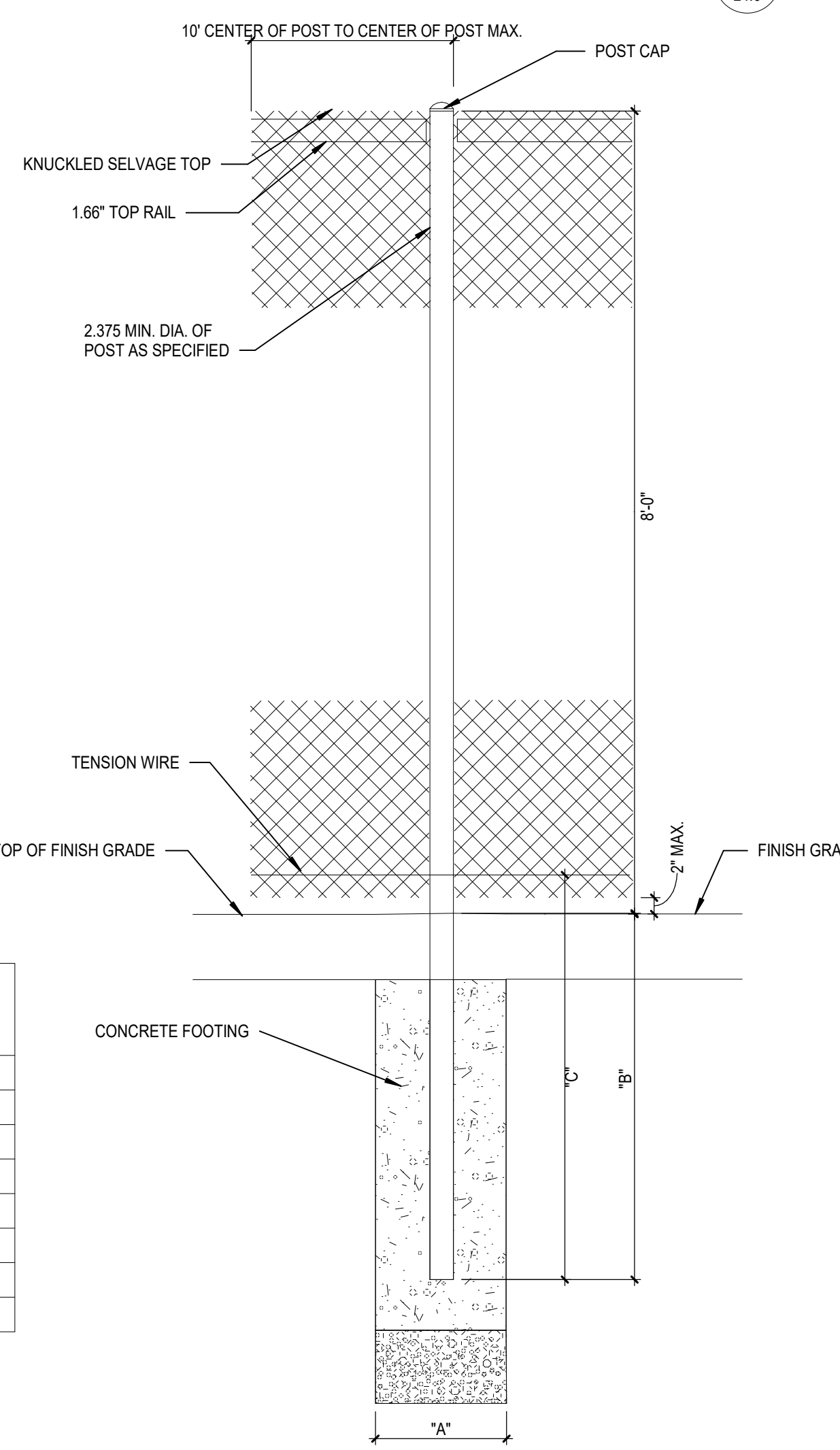
| GATE LEAF WIDTH | GATE POST (OD) | FABRIC HEIGHT | "A" DIAM. | "B" DEPTH | "C" POST EMBED. |
|-----------------|----------------|---------------|-----------|-----------|-----------------|
| 3' TO 6'        | 2.875"         | 3' TO 5'      | 12"       | 42"       | 40"             |
|                 |                | 6' TO 9'      | 14"       | 42"       | 44"             |
|                 |                | 10' TO 12'    | 16"       | 46"       | 48"             |
| 7' TO 12'       | 4.000"         | 3' TO 5'      | 14"       | 42"       | 40"             |
|                 |                | 6' TO 9'      | 16"       | 42"       | 44"             |
|                 |                | 10' TO 12'    | 18"       | 46"       | 48"             |

LINE AND TERMINAL POSTS

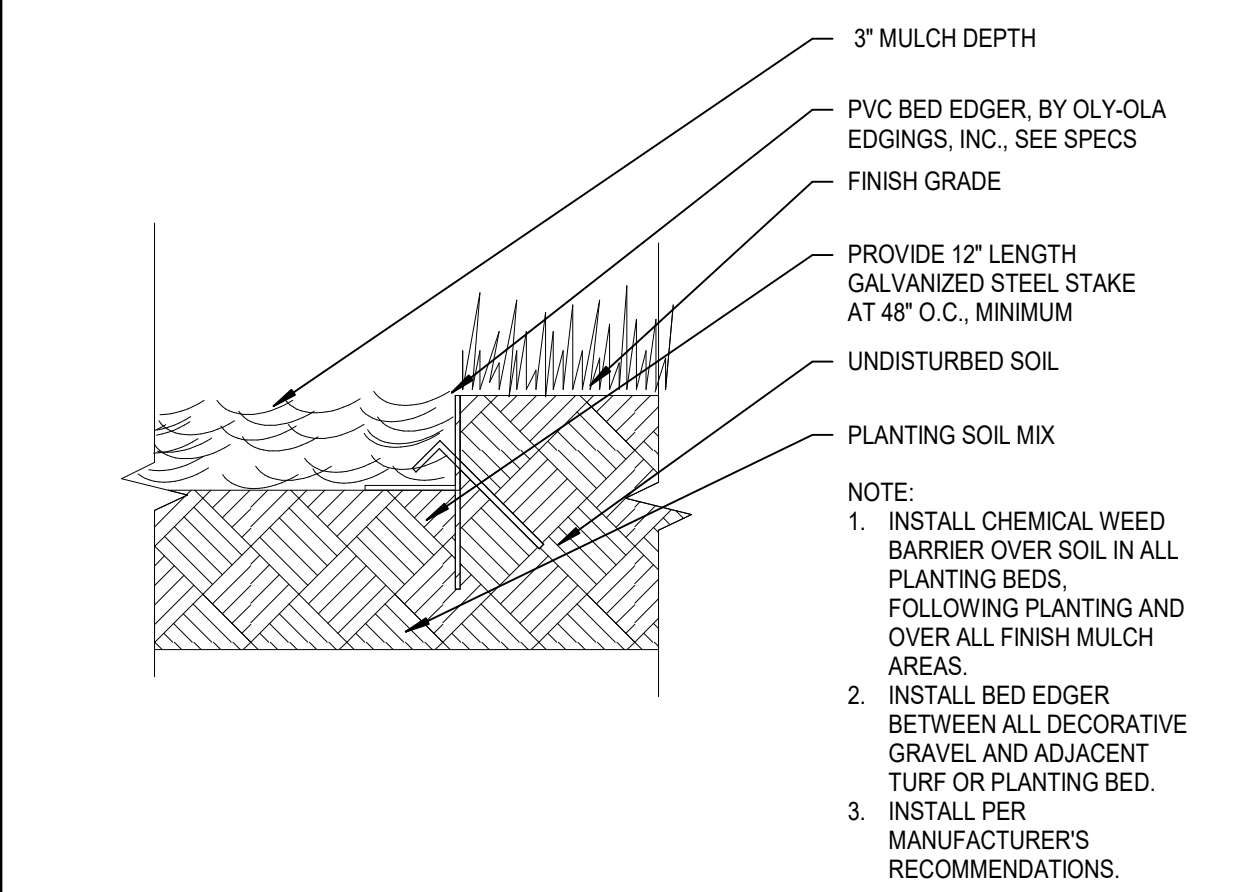
| FABRIC HEIGHT    | TYPE POST | "A" DIAM. | "B" POST DEPTH | "C" MIN. FOOTING DEPTH |
|------------------|-----------|-----------|----------------|------------------------|
| 3'-0" TO 4'-0"   | LINE      | 12"       | 36"            | 38"                    |
|                  | TERMINAL  | 12"       | 36"            | 38"                    |
| 5'-0"            | LINE      | 12"       | 36"            | 38"                    |
|                  | TERMINAL  | 12"       | 36"            | 38"                    |
| 6'-0" TO 9'-0"   | LINE      | 12"       | 36"            | 38"                    |
|                  | TERMINAL  | 12"       | 36"            | 38"                    |
| 10'-0" TO 12'-0" | LINE      | 18"       | 36"            | 38"                    |
|                  | TERMINAL  | 18"       | 48"            | 52"                    |

NOTE: TERMINAL POSTS INCLUDE END, CORNER AND PULL POSTS

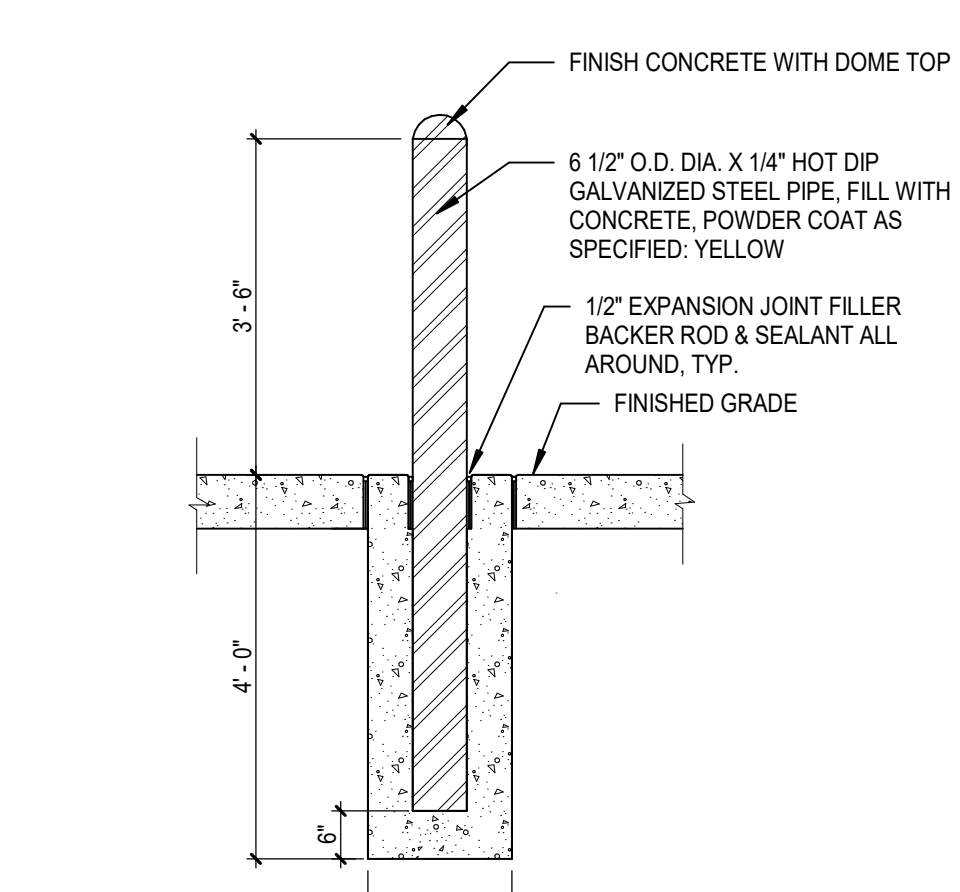
3C CHAIN LINK FENCE  
L4.0 SCALE: 1" = 1'-0"



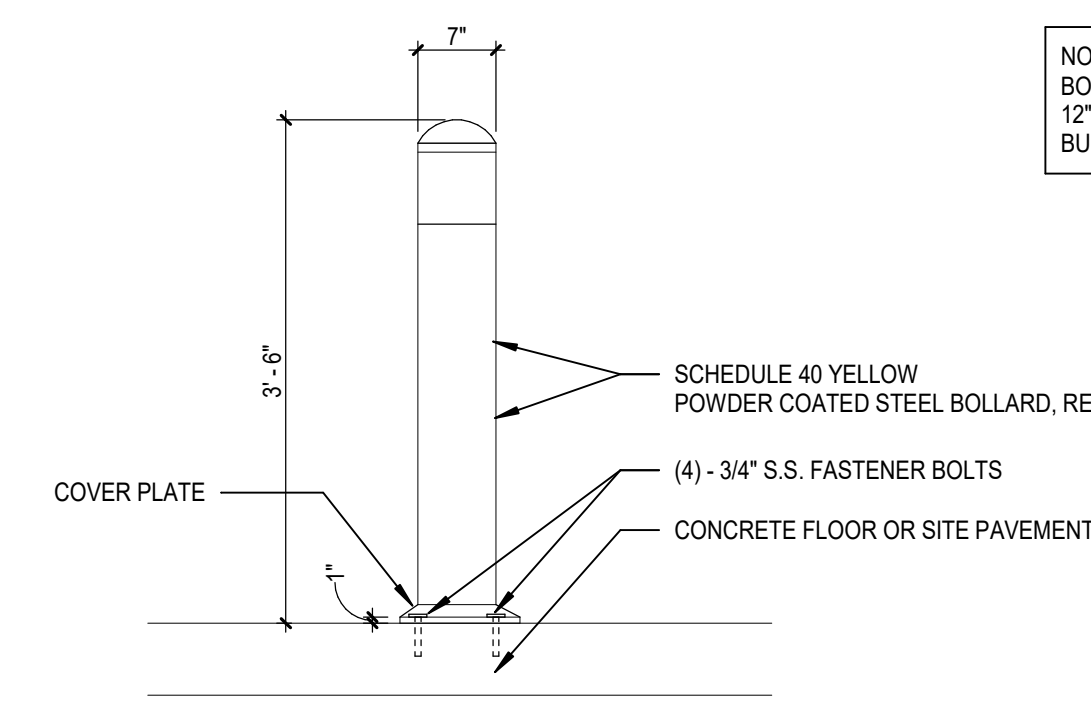
3E CHAIN LINK PEDESTRIAN GATE DETAIL  
L4.0 SCALE: 3/4" = 1'-0"



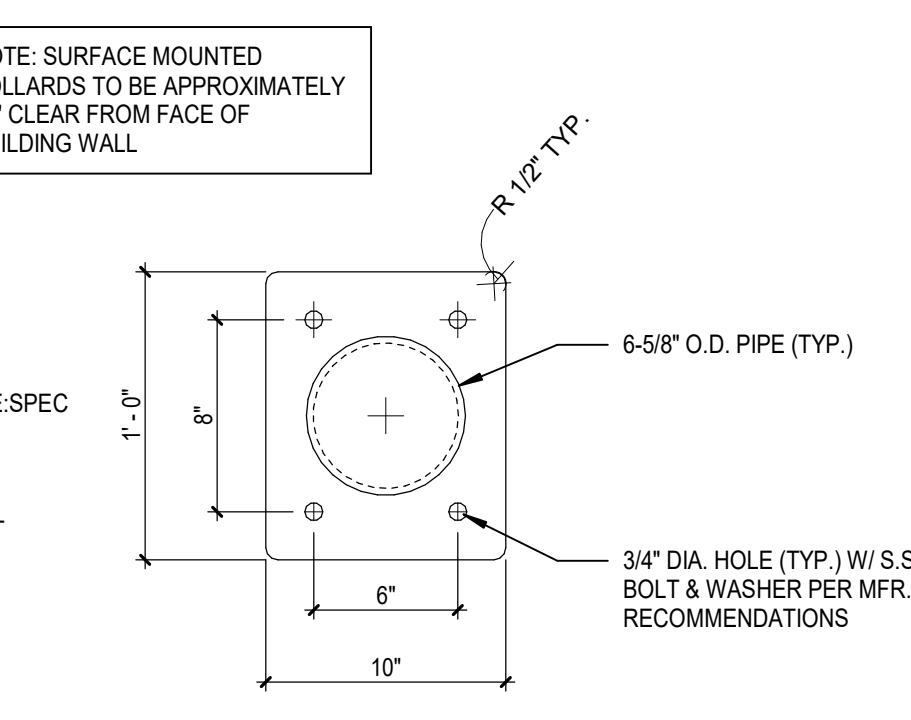
4A BED EDGER AT PLANTING BED  
L4.0 NO SCALE



4B PROTECTION BOLLARD  
L4.0 SCALE: 1/2" = 1'-0"



4C SURFACE-MOUNTED BOLLARD  
L4.0 SCALE: 3/4" = 1'-0"





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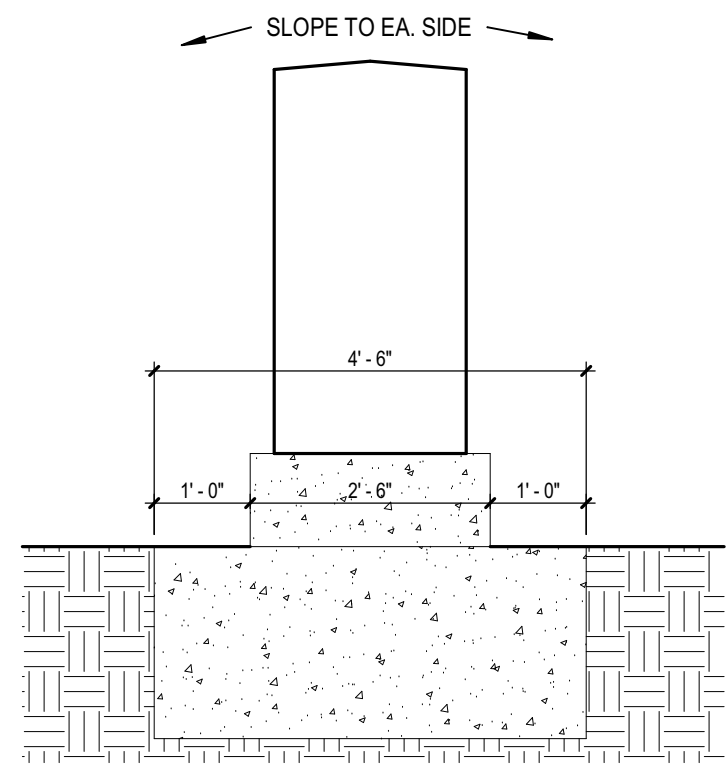
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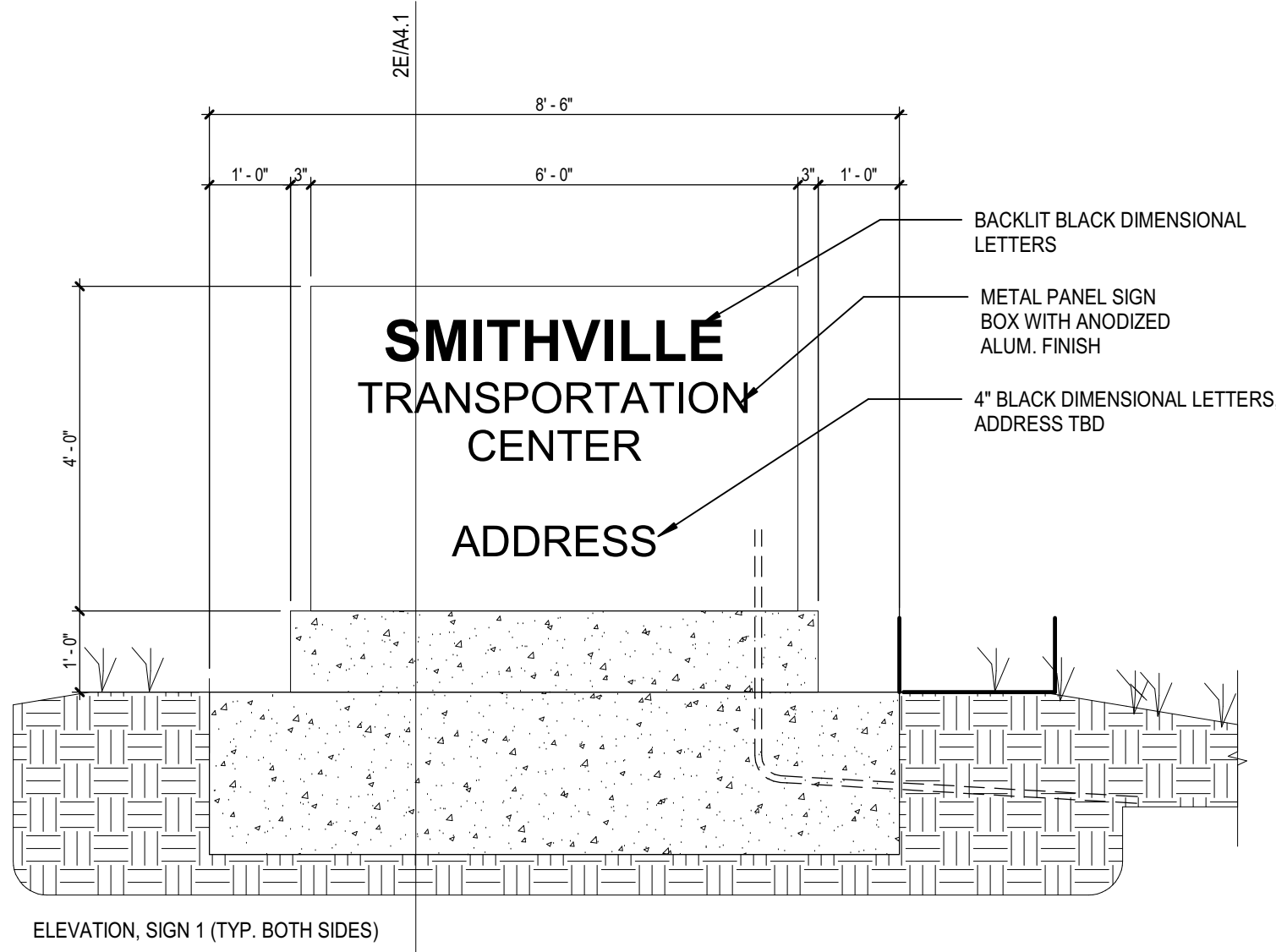
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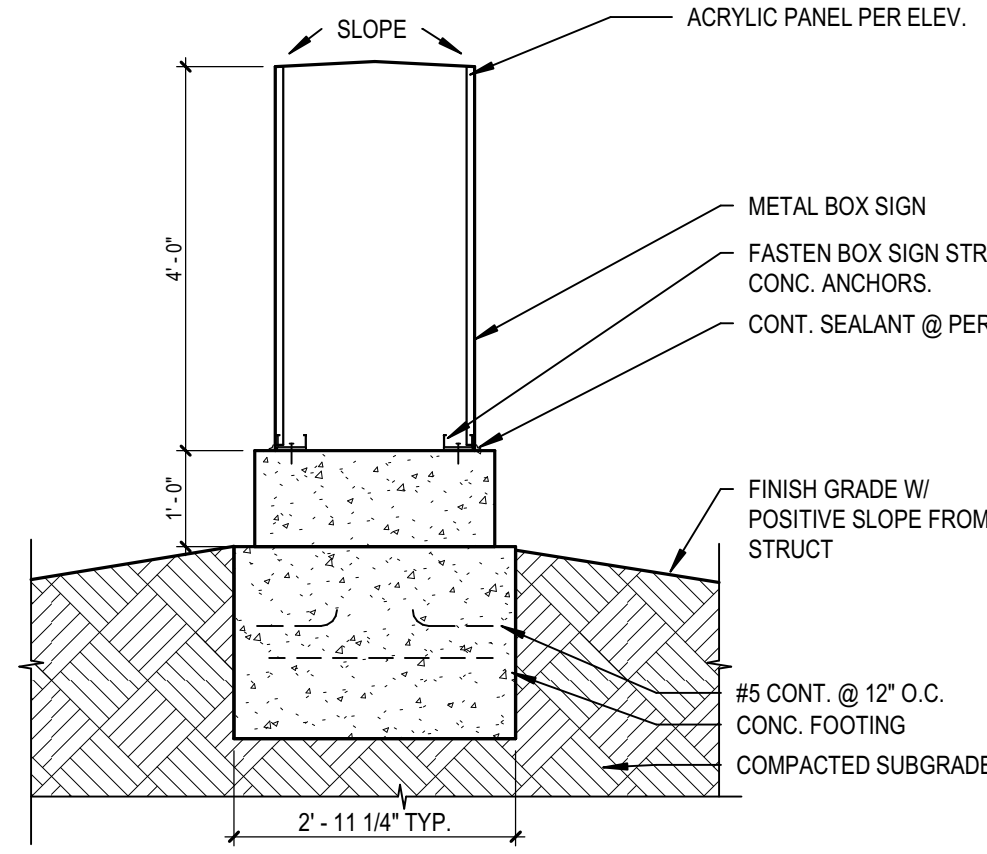


ADD #1



SMITHVILLE  
TRANSPORTATION  
CENTER  
ADDRESS

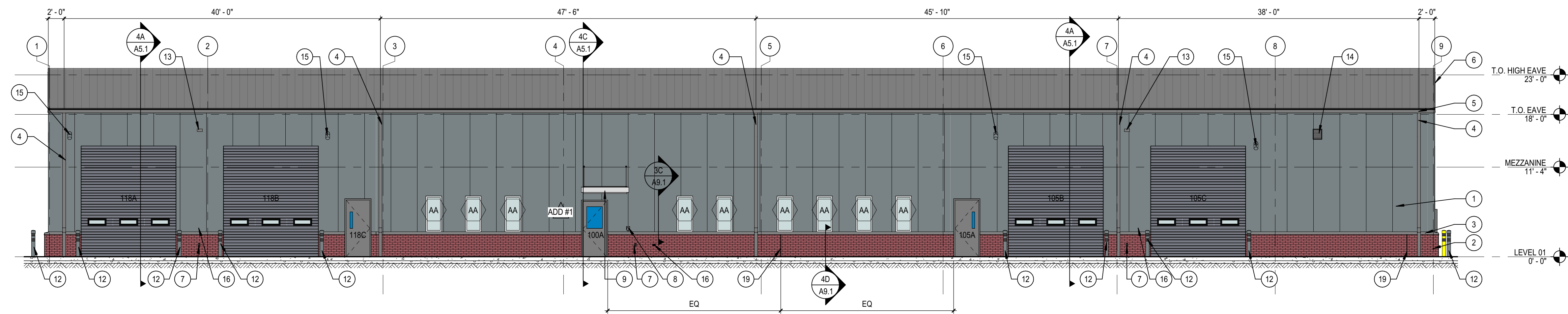
BACKLIT BLACK DIMENSIONAL  
LETTERS  
METAL PANEL SIGN  
BOX WITH ANODIZED  
ALUM. FINISH  
4" BLACK DIMENSIONAL LETTERS,  
ADDRESS TBD



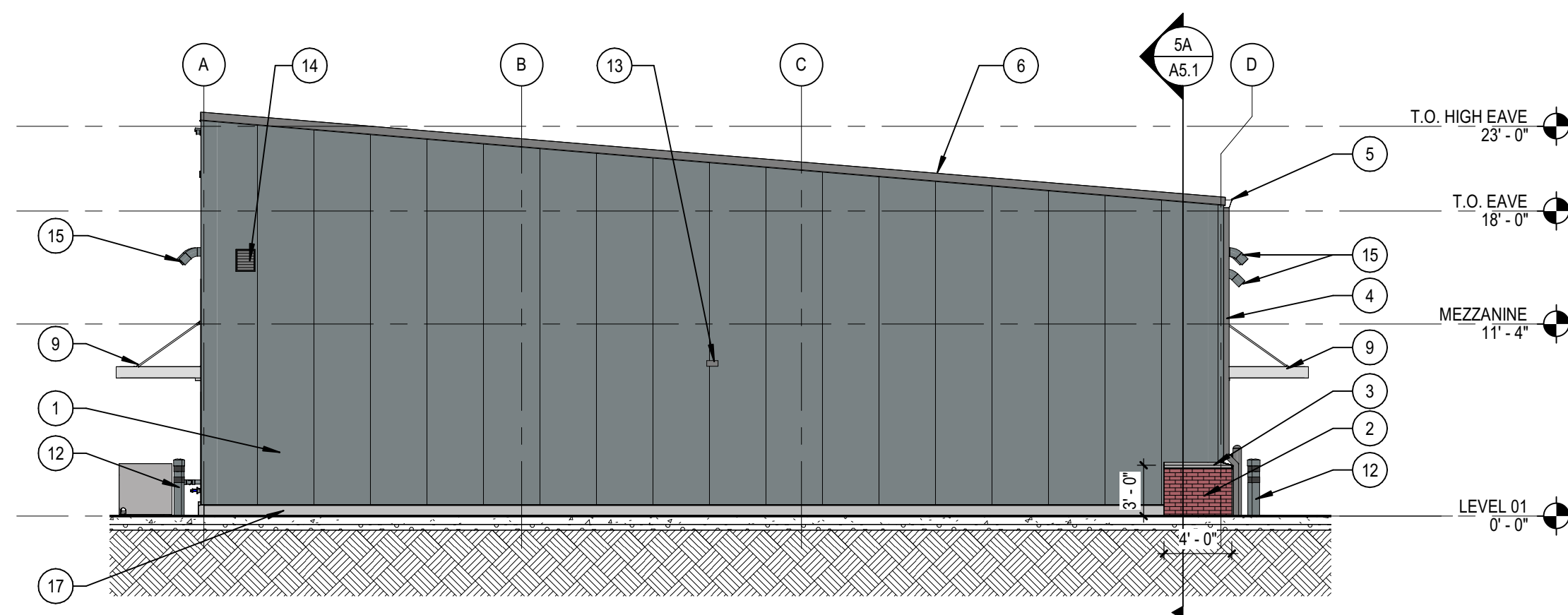
ADD #1

2A ELEVATION - MONUMENT SIGN  
A4.1 SCALE: 1/2" = 1'-0"

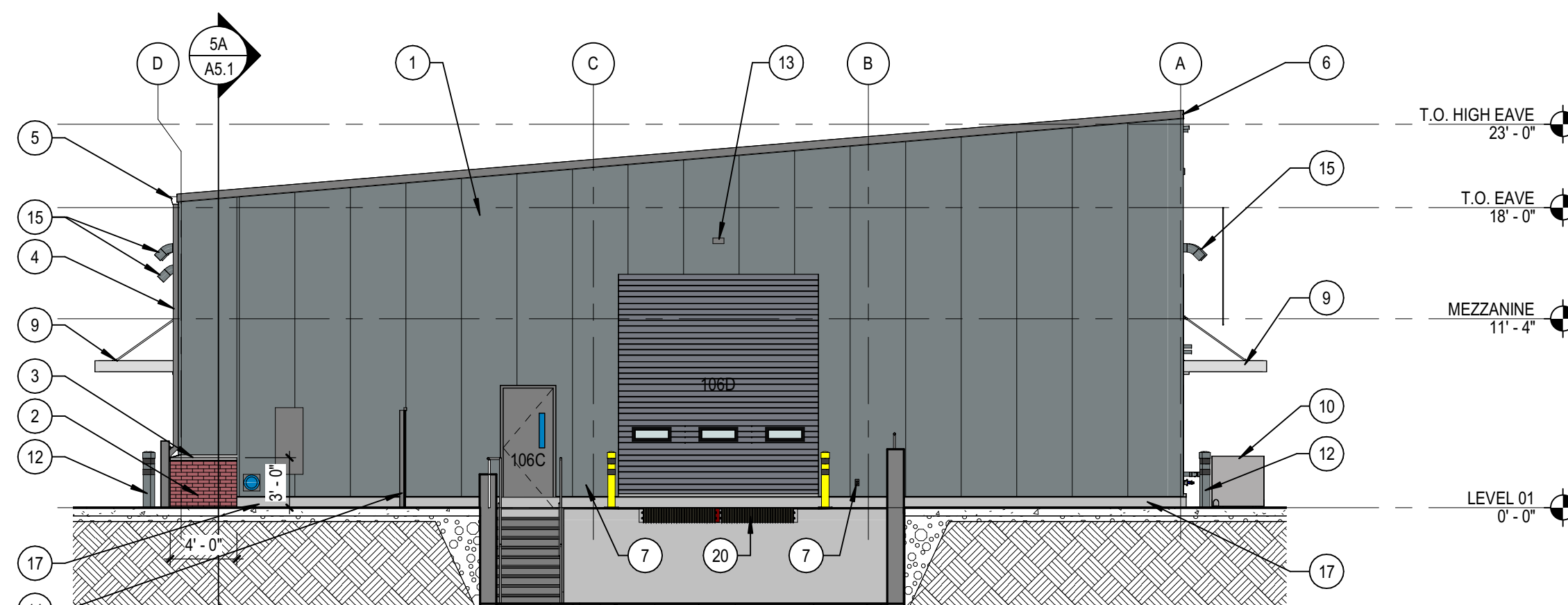
2E SECTION - MONUMENT SIGN  
A4.1 SCALE: 1/2" = 1'-0"



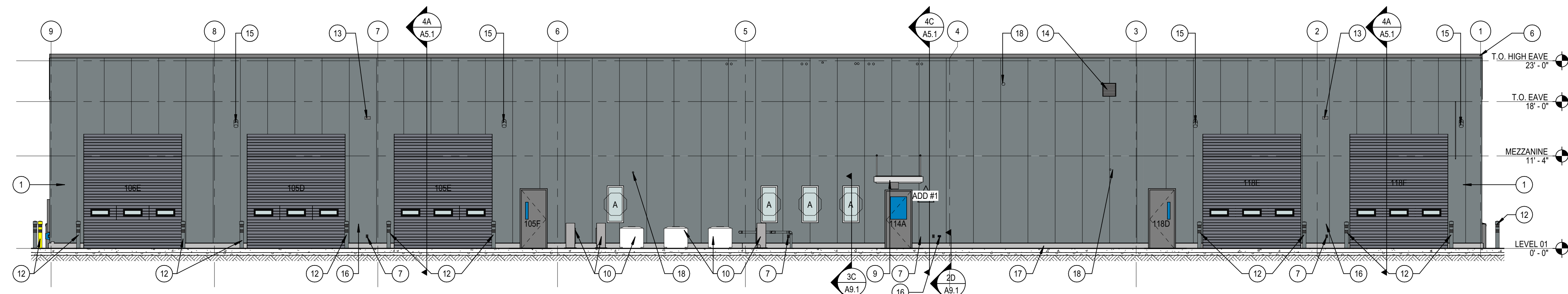
3A EXTERIOR ELEVATION - SOUTH  
A4.1 SCALE: 1/8" = 1'-0"



4A EXTERIOR ELEVATION - WEST  
A4.1 SCALE: 1/8" = 1'-0"



4B EXTERIOR ELEVATION - EAST  
A4.1 SCALE: 1/8" = 1'-0"



5A EXTERIOR ELEVATION - NORTH  
A4.1 SCALE: 1/8" = 1'-0"

PERCENTAGE OF FACADE SURFACE AREA CONSISTING OF GLASS  
TOTAL FACADE: 9,824 SF  
TOTAL GLAZING: 160 SF

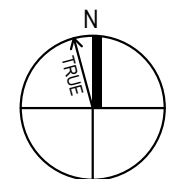
PERCENTAGE OF GLAZING: 1.63%

#### ④ SHEET NOTES

- 1 MWP-1 (METAL PANEL) SMOKE GRAY
- 2 BRICK-1 RED COLONIAL ADEL PLANT
- 3 THRU WALL FLASHING
- 4 RECTANGULAR PREFINISHED METAL DOWNSPOUT - 3 3/4" x 4 3/4", COLOR TO MATCH METAL WALL PANELS
- 5 PREFINISHED METAL RAKE FLASHING, COLOR DOVE GRAY
- 6 PREFINISHED METAL RAKE FLASHING, COLOR DOVE GRAY
- 7 ELECTRICAL OUTLET, REFER TO ELECTRICAL
- 8 KNOX BOX
- 9 SUSPENDED CANOPY SYSTEM, COLOR TO MATCH METAL ROOF PANELS
- 10 MECHANICAL EQUIPMENT, REFER TO MECHANICAL FOR LOCATION
- 11 FENCING, REFER TO LANDSCAPE FOR EXTENTS
- 12 SURFACE-MOUNTED BOLLARD, REFER TO LANDSCAPE FOR LOCATION AND DETAIL 4014.0 FOR ATTACHMENT
- 13 LIGHT FIXTURE, REFER TO ELECTRICAL
- 14 PREFINISHED METAL LOUVER, REFER TO MECHANICAL FOR LOCATION AND SIZE
- 15 VENT, REFER TO MECHANICAL FOR LOCATION AND SIZE
- 16 HOSE BIB, REFER TO PLUMBING
- 17 RUBBED CONCRETE CURB, RE: STRUCTURAL FOR EXTENTS AND REINFORCING
- 18 PLUMBING VENT, REFER TO PLUMBING FOR LOCATION AND SIZE
- 19 CONTROL JOINT
- 20 LOADING-DOCK BUMPER



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# SITE PHOTOMETRIC PLAN

SCALE: 1" = 20'-0"

1

2

3

4

5

ILLUMINANCE (Fc)  
Average = 1.14  
Maximum = 3.5  
Minimum = 0.2  
Avg/Min Ratio = 5.70  
Max/Min Ratio = 17.50

ILLUMINANCE (Fc)  
Average = 0.1  
Maximum = 0.4  
Minimum = 0.0  
Avg/Min Ratio = NA  
Max/Min Ratio = NA

