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GRAPHICAL SCALE (FEET)
0 1" = 60' 120'

- ### CONSTRUCTION SITE SEQUENCING
1. INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE.
 2. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
 3. CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS AND SEDIMENT TRAPS/BASINS AS NEEDED.
 4. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
 5. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
 6. PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROLS.
 7. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.
- CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.

- ### LEGEND
- STORM SEWER MANHOLE
 - STORM STORM CATCH BASIN (ROUND CASTING)
 - STORM SEWER CATCH BASIN (RECTANGULAR CASTING)
 - ▭ PRECAST FLARED END SECTION
 - CLEANOUT
 - PROPOSED CONTOUR
 - PROPOSED TOPSOIL CONTOUR
 - WETLANDS
 - HIGH WATER LEVEL (HWL)
 - NORMAL WATER LEVEL (NWL)
 - DIVERSION SWALE
 - DIVERSION DITCH
 - SILT FENCE
 - STRAW WATTLE DITCH CHECK
 - INLET PROTECTION
 - PIPE INLET PROTECTION - STRAW WATTLE
 - CONSTRUCTION ENTRANCE
 - HYDROSEED (PER MANUFACTURER SPECIFICATIONS)
 - EROSION CONTROL BLANKET

SHEET C-10

SHEET C-11

ZILBER C251
251,872 SF
FFE = 764.00

ZILBER INDUSTRIAL 2
#4321 CAROL ROAD
233,249 SF
FFE = 764.00

ZILBER INDUS
ADDRESS
142,560
FFE = 764

GENERAL EROSION AND SEDIMENT CONTROL NOTES

1. ALL CONSTRUCTION SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN EPA'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER GENERAL PERMIT ("WPDES" PERMIT NO. WI-S067831-4) FOR CONSTRUCTION SITE LAND DISTURBANCE ACTIVITIES. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL TECHNICAL STANDARDS AND PROVISIONS IN EFFECT AT THE TIME OF CONSTRUCTION. THESE PROCEDURES AND STANDARDS SHALL BE REFERRED TO AS BEST MANAGEMENT PRACTICES (BMP'S). IT IS THE RESPONSIBILITY OF ALL CONTRACTORS ASSOCIATED WITH THE PROJECT TO OBTAIN A COPY OF, AND UNDERSTAND, THE BMP'S PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
2. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL CONTROL MEASURES AS DIRECTED BY OWNER/ENGINEER OR GOVERNING AGENCIES SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
3. MODIFICATIONS TO THE APPROVED SWPPP IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL MODIFICATIONS MUST BE APPROVED BY OWNER/ENGINEER/GOVERNING AGENCY PRIOR TO DEVIATION OF THE APPROVED PLAN.
4. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING LOCATIONS WITH THE PROPER AUTHORITIES. PROVIDE NECESSARY FEES AND OBTAIN ALL REQUIRED APPROVALS OR PERMITS. ADDITIONAL CONSTRUCTION ENTRANCES OTHER THAN AS SHOWN ON THE PLANS MUST BE APPROVED BY THE APPLICABLE GOVERNING AGENCIES PRIOR TO INSTALLATION.
5. PAVED SURFACES ADJACENT TO CONSTRUCTION ENTRANCES SHALL BE SWEEP AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST IMMEDIATELY AND AS REQUESTED BY THE GOVERNING AGENCIES.
6. ALL EXISTING STORM SEWER FACILITIES THAT WILL COLLECT RUNOFF FROM DISTURBED AREAS SHALL BE PROTECTED TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS. ALL INLETS, STRUCTURES, PIPES, AND SWALES SHALL BE KEPT CLEAN AND FREE OF SEDIMENTATION AND DEBRIS.
7. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, WATER MAIN, ETC.) OUTSIDE OF THE PERIMETER CONTROLS SHALL INCORPORATE THE FOLLOWING:

PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.

BACKFILL, COMPACT AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.

DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH AN BMP'S PRIOR TO RELEASE INTO STORM SEWER OR DITCHES.
8. AT A MINIMUM, SEDIMENT BASINS AND NECESSARY TEMPORARY DRAINAGE PROVISIONS SHALL BE CONSTRUCTED AND OPERATIONAL BEFORE BEGINNING OF SIGNIFICANT MASS GRADING OPERATIONS TO PREVENT OFFSITE DISCHARGE OF UNTREATED RUNOFF.
9. ALL WATERCOURSES AND WETLANDS SHALL BE PROTECTED WITH SILT FENCE TO PREVENT ANY DIRECT DISCHARGE FROM DISTURBED SOILS.
10. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE IF EROSION CONTROL IS REQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE PROJECT.
11. TOPSOIL STOCKPILES SHALL HAVE A BERM OR TRENCH AROUND THE CIRCUMFERENCE AND PERIMETER SILT FENCE TO CONTROL SILT. IF TOPSOIL STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IS REQUIRED.
12. EROSION CONTROL MEASURES TEMPORARILY REMOVED FOR UNAVOIDABLE CONSTRUCTION ACTIVITIES SHALL BE IN WORKING ORDER IMMEDIATELY FOLLOWING THE COMPLETION OF EACH WORK DAY, WHICH EVER OCCURS FIRST.
13. MAINTAIN SOIL EROSION CONTROL DEVICES THROUGH THE DURATION OF THIS PROJECT. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. DISTURBANCES ASSOCIATED WITH EROSION CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED.
14. PUMPS MAY BE USED AS BYPASS DEVICES. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS. PUMP DISCHARGE SHALL BE DIRECTED INTO AN APPROVED FILTER BAG OR APPROVED SETTLING DEVICE.
15. GRADING EFFORTS SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. EROSION AND SEDIMENT CONTROL MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES. ALL DISTURBED AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF FOURTEEN (14) DAYS REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH TECHNICAL STANDARDS.
16. ALL DISTURBED SLOPES EXCEEDING 4:1, SHALL BE STABILIZED WITH NORTH AMERICAN GREEN S75BN EROSION MATTING (OR APPROVED EQUAL) AND ALL CHANNELS SHALL BE STABILIZED WITH NORTH AMERICAN GREEN C125BN (OR APPROVED EQUAL) OR APPLICATION OF AN APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF. AS REQUIRED, EROSION MATTING AND/OR NETTING USED ON SITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES.
17. DURING PERIODS OF EXTENDED DRY WEATHER, THE CONTRACTOR SHALL KEEP A WATER TRUCK ON SITE FOR THE PURPOSE OF WATERING DOWN SOILS WHICH MAY OTHERWISE BECOME AIRBORNE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING WIND EROSION (DUST) DURING CONSTRUCTION AT HIS/HER EXPENSE.
18. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE VISUALLY INSPECTED FOR EVIDENCE OF THE POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM ON A DAILY BASIS.
19. QUALIFIED PERSONNEL (PROVIDED BY THE GENERAL/PRIME CONTRACTOR) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED AND EROSION AND SEDIMENT CONTROLS WITHIN 24 HOURS OF ALL 0.5-INCH, OR MORE, PRECIPITATION EVENTS WITH A MINIMUM INSPECTION INTERVAL OF ONCE EVERY SEVEN (7) CALENDAR DAYS IN THE ABSENCE OF A QUALIFYING RAIN OR SNOWFALL EVENT. REPORTING SHALL BE IN ACCORDANCE WITH OF THE GENERAL PERMIT. CONTRACTOR SHALL IMMEDIATELY ARRANGE TO HAVE ANY DEFICIENT ITEMS REVEALED DURING INSPECTIONS REPAIRED/REPLACED.

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PINNACLE ENGINEERING GROUP
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20725 WATERTOWN ROAD, SUITE 100
BROOKFIELD, WI 53106
(262) 754-8888

CHICAGO | MILWAUKEE | NATIONWIDE

ZILBER C251
CALEDONIA, WI

SITE STABILIZATION PLAN (OVERVIEW)

REVISIONS	
1. VILLAGE BSO SUBMITTAL	02/09/26
2. VILLAGE BSO RESUBMITTAL	03/27/26
3. ISSUED FOR BID	03/30/26
4. VILLAGE COMMENTS / BID SET	04/22/26
5. ISSUED FOR CONSTRUCTION	05/19/26

REG. JOB NO. 1912.40-WI
JOB NO. 1912.40-WI
PLAN DATE: 02/09/26
SCALE: 1" = 60'

SHEET C-12

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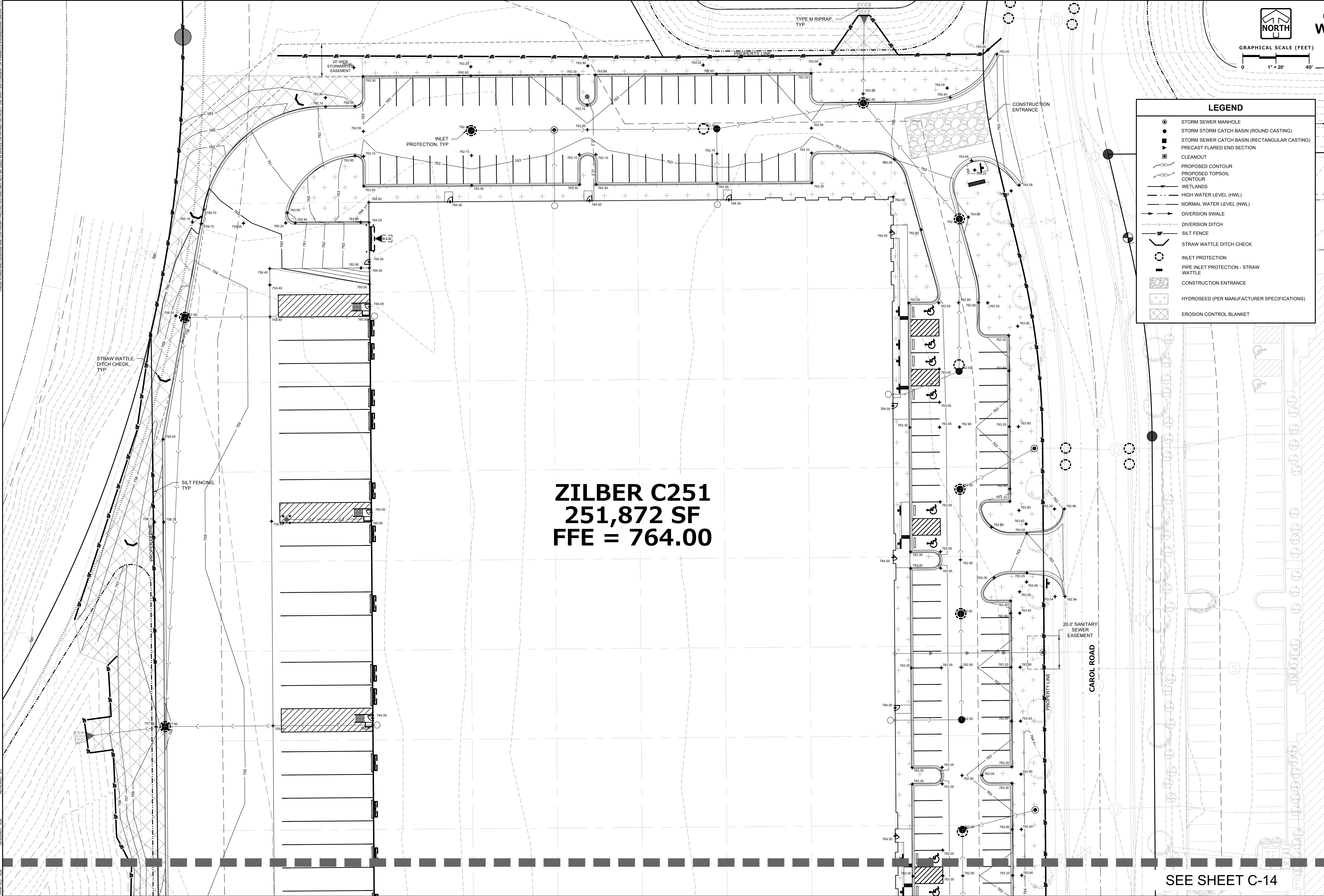


GRAPHICAL SCALE (FEET)
0 1" = 20' 40'

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- ▨ EROSION CONTROL BLANKET



ZILBER C251
251,872 SF
FFE = 764.00

SEE SHEET C-14

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ZILBER C251
CALEDONIA, WI

SITE STABILIZATION PLAN (DETAILED)

REVISIONS	
1. VILLAGE BSO SUBMITTAL	02/09/26
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REG. NO. 1912-40-WI
 PLAN DATE: 02/09/26
 SCALE: 1" = 20'

SHEET C-13

SITE STABILIZATION PLAN (DETAILED)

SEE SHEET C-13



GRAPHICAL SCALE (FEET)
0 1" = 20' 40'

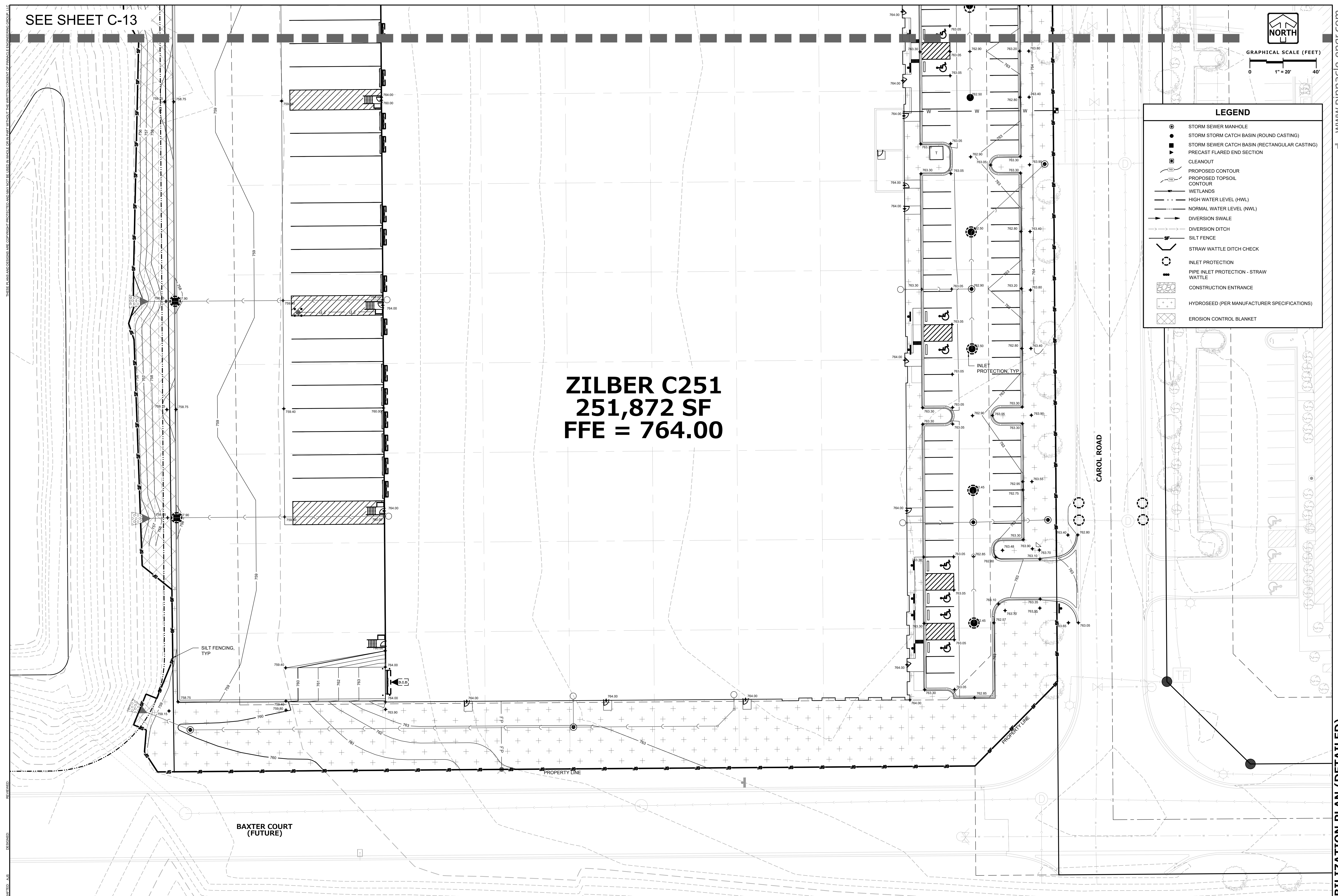
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- ▭ HYDROSEED (PER MANUFACTURER SPECIFICATIONS)
- ▭ EROSION CONTROL BLANKET

ZILBER C251
251,872 SF
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BAXTER COURT
(FUTURE)

CAROL ROAD



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SITE STABILIZATION PLAN (DETAILED)

REVISIONS	
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REG. NO. 1912-40-WI
PLAN DATE: 02/09/26
SCALE: 1" = 20'

SHEET C-14

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1.0 POTENTIAL POLLUTANT SOURCES

GIVEN THE PROPOSED ACTIVITY ON THE PROJECT SITE, THE PRIMARY POTENTIAL POLLUTANT SOURCE ASSOCIATED WITH THIS CONSTRUCTION PROJECT IS SOIL EROSION AND TRANSPORTATION. REFER TO SECTION 4 OF THIS PLAN, ADDITIONAL POTENTIAL SOURCES OF POLLUTION MAY INCLUDE FUEL TANKS, WASTE CONTAINERS, OIL OR OTHER PETROLEUM PRODUCTS, DETERGENTS, PAINTS, CONSTRUCTION DEBRIS, SANITARY STATIONS, FERTILIZERS, AND DUST. REFER TO SECTION 5 OF THIS PLAN.

2.0 EROSION AND SEDIMENT CONTROL IMPLEMENTATION

THE FOLLOWING ARE DESCRIPTIONS OF THE EROSION AND SEDIMENT CONTROL PRACTICES THAT SHALL BE IMPLEMENTED DURING CONSTRUCTION OF THIS PROJECT. IN ADDITION TO THESE MEASURES, CONTRACTOR SHALL DISTURB ONLY AREAS NECESSARY TO COMPLETE THE CONSTRUCTION PROJECT. ALL PRACTICES SHALL BE CONDUCTED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES (BMP).

2.1 CONSTRUCTION AND EROSION CONTROL SEQUENCING

CONSTRUCTION SEQUENCING WILL BE UTILIZED AS A MEANS OF CONTROLLING EROSION AND LIMITING SEDIMENT TRANSPORT. SEQUENCING AS LISTED BELOW IS GENERAL IN NATURE AND MAY VARY DEPENDING ON WEATHER CONDITIONS AND/OR PHASING OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SITE SEQUENCING PLAN TO OWNER FOR APPROVAL AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM 6 AS NEEDED TO COMPLETE CONSTRUCTION ONLY IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL REQUIREMENTS.

- INSTALL TEMPORARY CONSTRUCTION ENTRANCES, INLET PROTECTION ON EXISTING STORM SEWER AND CULVERT INLET LOCATIONS, AND PERIMETER SILT FENCING.
- INSTALL SILT FENCING ALONG THE PERIMETER OF PROPOSED TOPSOIL STOCKPILE LOCATIONS. THE FIRST TOPSOIL DEPOSITED WITHIN THE STOCKPILE LIMITS SHALL BE PLACED TO CREATE TEMPORARY BERMING ALONG THE LOCATION TO PREVENT DIRECT STORMWATER RUNOFF AGAINST SILT FENCING. CONTRACTOR SHALL LIMIT LAND DISTURBING ACTIVITIES ASSOCIATED WITH TEMPORARY BERMING TO A MINIMUM.
- STRIP TOPSOIL WITHIN THE LIMITS OF THE SEDIMENT TRAPS THAT WILL BE USED FOR TEMPORARY SEDIMENT CONTROL. STRIPPED TOPSOIL SHALL BE PLACED TO CONSTRUCT DIVERSION BERMING OR PLACED WITHIN THE STOCKPILE LIMITS.
- STRIP TOPSOIL ALONG THE REMAINDER OF DIVERSION BERMING AND IMMEDIATELY PLACE TOPSOIL TO CREATE THE BERMING MASS TOPSOIL. STRIPPING SHALL NOT OCCUR UNTIL ALL DOWNSTREAM SEDIMENT CONTROLS ARE IN PLACE.
- CONDUCT ROUGH GRADING OPERATIONS AND UTILITY PIPING INSTALLATION. DRAIN TILE SHALL NOT BE INSTALLED UNTIL UPLAND AREAS CONTRIBUTING STORMWATER RUNOFF ARE STABILIZED. DITCH CHECKS SHALL BE INSTALLED WITHIN DRAINAGE DITCHES IMMEDIATELY FOLLOWING CREATION OF DITCHES AND INLET PROTECTION SHALL BE INSTALLED TO PROTECT ANY STORM SEWER OR CULVERTS THAT WILL FUNCTION DURING CONSTRUCTION.
- FINE GRADE SUB-GRADE SOILS WITHIN PAVEMENT AND BUILDING LIMITS. PLACE STONE BASE MATERIAL AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINE GRADING EFFORTS.
- FINE GRADE REMAINING DISTURBED AREAS. PLACE SALVAGED TOPSOIL, EROSION BLANKETS/MATTING, AND SEED/MULCH AS SOON AS POSSIBLE FOLLOWING COMPLETION OF FINE GRADING EFFORTS.
- EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF SILT FENCE, TEMPORARY BERMING/PRETECTION, DITCH CHECKS, AND OTHER TEMPORARY CONTROLS, AND RESTORATION PRACTICES AS NECESSARY, TO THE SATISFACTION OF THE OWNER.

2.2 STABILIZATION PRACTICES

THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE INITIATED, SHALL BE RECORDED ON THE STABILIZATION SCHEDULE FOR MAJOR GRADING ACTIVITIES.

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED UNLESS:

THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION MEASURE SHALL BE INITIATED AS SOON AS PRACTICABLE.

CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITIES CEASED. (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS). IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED. SEE THE SOIL PROTECTION CHART PRESENTED IN THE CONSTRUCTION DOCUMENTS FOR RATES OF PERMANENT AND TEMPORARY VEGETATION.

STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF THE MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:

- PERMANENT SEEDING, IN ACCORDANCE WITH APPROVED LANDSCAPING PLAN
- TEMPORARY SEEDING MAY CONSIST OF SPRING OATS (150 LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (150 LBS/ACRE)
- HYDRO-MULCHING WITH A TACKIFIER
- GEOTEXTILE EROSION MATTING
- SCODDING

2.3 STRUCTURAL PRACTICES

THE FOLLOWING ARE DESCRIPTIONS OF STRUCTURAL PRACTICES TO BE IMPLEMENTED TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS, OR OTHERWISE LIMIT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE INCLUDING THE PROPOSED AND EXISTING WETLAND AREAS.

SUCH PRACTICES COULD INCLUDE SILT FENCE, PROTECTION FENCE, CONSTRUCTION ENTRANCE, DITCH CHECK, EROSION CONTROL MATTING, DIVERSION BERM/SWALE, SEDIMENT TRAP, LEVEL SPREADER, INLET PROTECTION, OUTLET PROTECTION, AND TEMPORARY OR PERMANENT SEDIMENT BASIN. THE FOLLOWING STRUCTURAL PRACTICES ARE TO BE UTILIZED DURING THIS PROJECT.

SILT FENCE SHALL BE PLACED DOWN SLOPE OF DISTURBED AREAS OF THE CONSTRUCTION SITE AND AROUND THE PERIMETER OF THE TOPSOIL STOCKPILE. THIS INCLUDES PROTECTION OF EXISTING WETLAND AREAS TO BE MAINTAINED. SILT FENCE MAY ALSO BE USED AS A TEMPORARY CONTROL DEVICE WHERE SEDIMENTATION RUNOFF IS DISCOVERED.

CONSTRUCTION ENTRANCE SHALL BE INSTALLED TO REDUCE SOIL EROSION POLLUTANTS FROM LEAVING THE SITE DURING CONSTRUCTION ACTIVITIES. IF THE CRUSHED STONE DOES NOT ADEQUATELY REMOVE MUD FROM VEHICLES, THEY SHALL BE HOSED OFF BEFORE ENTERING A PAVED ROADWAY. ANY SOIL DEPOSITED ON THE PUBLIC PAVED ROADWAY SHALL BE REMOVED IMMEDIATELY.

DITCH CHECK (STRAW BALES) SHALL BE INSTALLED IN DRAINAGE CHANNELS AS NEEDED.

EROSION CONTROL MATTING SHALL BE PLACED ON AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, BEFORE VEGETATION IS ESTABLISHED.

EROSION BERM/SWALE SHALL BE CONSTRUCTED TO DIVERT RUNOFF AROUND THE SITE AND TO DIVERT RUNOFF FROM THE DISTURBED AREA TO A SEDIMENT TRAP OR OTHER CONTROL. BERM/SWALES SHALL BE STABILIZED WITH EQUIPMENT TRACKING AND TEMPORARY SEEDING.

SEDIMENT TRAPS/BASIN SHALL BE CONSTRUCTED TO COLLECT RUNOFF AND RUNOFF FROM SITE DIVERSION BERM/SWALES.

INLET PROTECTION SHALL BE INSTALLED AT STORMWATER DRAINAGE INLETS TO REDUCE SEDIMENT WITHIN STORM SEWER CONVEYANCE FEATURES.

OUTLET SCOUR PROTECTION SHALL BE INSTALLED AT STORMWATER DRAINAGE OUTLETS TO DIFFUSE FLOWS.

3.0 ADDITIONAL PRACTICES

ADDITIONAL POLLUTANT CONTROL MEASURES TO BE IMPLEMENTED DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF. THIS INCLUDES ALL CONSTRUCTION SITE WASTE MATERIAL, SANITARY WASTE, AND WASTE FROM VEHICLE TRACKING OF SEDIMENTS. THE CONTRACTOR SHALL ENSURE THAT NO MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, BURNED, OR DISCHARGED TO THE WATERS OF THE STATE. VEHICLES HAULING MATERIAL AWAY FROM THE SITE SHALL BE COVERED WITH A TARP/PLAIN TO PREVENT BLOWING DEBRIS.

DUST CONTROL SHALL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:

- COVERING 30% OR MORE OF THE SOIL SURFACE WITH A NON-ERODIBLE MATERIAL.
- ROUGHENING (EQUIPMENT TRACKING) THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND. RIDGES SHALL BE AT LEAST SIX (6) INCHES IN HEIGHT.
- FREQUENT WATERING OF EXCAVATION AND FILL AREAS.
- PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES, PARKING AREAS AND TRANSIT PAYS.

STREET SWEEPING SHALL BE PERFORMED TO IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ON PAVEMENTS.

4.0 EROSION AND SEDIMENT STRUCTURAL PRACTICE MAINTENANCE

THE FOLLOWING MAINTENANCE PRACTICES SHALL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, VEGETATION, EROSION AND SEDIMENT CONTROL, MEASURES, AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN, UPON IDENTIFICATION, DEFICIENCIES IN STORMWATER CONTROLS SHALL BE ADDRESSED IMMEDIATELY. THE MAINTENANCE PROCEDURES FOR THIS DEVELOPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO THE BELOW:

SILT FENCE - REPAIR OR REPLACE ANY DAMAGED FILTER FABRIC AND/OR STAKES. REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE ABOVE GROUND HEIGHT OF THE FENCE.

CONSTRUCTION ENTRANCE - AS NEEDED, ADD STONE TO MAINTAIN CONSTRUCTION ENTRANCE DIMENSIONS AND EFFECTIVENESS.

DITCH CHECK (STRAW BALES) - RE-SECURE STAKES; ADJUST OR REPOSITION BALES TO ADDRESS PROPER FLOW OF STORMWATER; AND REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE BALE.

EROSION CONTROL MATTING - REPAIR MATTING IMMEDIATELY IF INSPECTION REVEALS BREACHED OR FAILED CONDITIONS. REPAIR AND RE-GRADE SOIL WHERE CHANNELIZATION HAS OCCURRED.

DIVERSION BERM/SWALE - REPLACE OR RE-COMPACT THE CONSTRUCTION MATERIALS AS NECESSARY.

SEDIMENT TRAP - REMOVE AND DISPOSE OF THE ACCUMULATED SEDIMENT WHEN IT HAS REACHED THE SEDIMENT STORAGE ELEVATION.

INLET PROTECTION - CLEAN, REPAIR OR REPLACE FILTER FABRIC AND/OR STONE WHEN CONTROL MEASURE IS CLOGGED. INLET FILTER BAGS SHALL BE REPLACED ONCE ONE-HALF FULL OF SEDIMENT.

OUTLET PROTECTION - CLEAN, REPAIR OR REPLACE FILTER FABRIC, TURF REINFORCEMENT MATTING AND/OR STONE WHEN CONTROL MEASURE IS ONE-HALF FULL OF SEDIMENT.

SEDIMENT BASIN - AT THE END OF CONSTRUCTION, CONTRACTOR SHALL REMOVE AND DISPOSE OF THE ACCUMULATED SEDIMENT AND RESTORE BASIN AREA TO INTENDED POST-CONSTRUCTION DESIGN GRADES.

5.0 INSPECTION

INSPECTIONS SHALL BE COMPLETED WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A RAINFALL EVENT THAT IS ONE-HALF INCH OR GREATER OR EQUIVALENT SNOWFALL, OR AT A MINIMUM ON EVERY SEVEN (7) CALENDAR DAYS. INSPECTIONS SHALL BE UNDERTAKEN BY QUALIFIED PERSONNEL PROVIDED BY THE CONTRACTOR, AND SHALL INCLUDE DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. A STORMWATER POLLUTION PREVENTION PLAN INSPECTION REPORT SHALL BE COMPLETED AND ADDED TO THE SWPPP. RAINFALL SHALL BE RECORDED ON THE SWPPP RAINFALL LOG. CONTRACTOR SHALL IMMEDIATELY ARRANGE FOR REPAIR OR REPLACEMENT OF ANY DAMAGED OR DEFICIENT CONTROL MEASURES OBSERVED DURING THE INSPECTION.

QUALIFIED PERSONNEL MEANS A PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS A LICENSED PROFESSIONAL ENGINEER, A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL, A CERTIFIED EROSION SEDIMENT OR STORMWATER INSPECTOR, OR OTHER TRAINED INDIVIDUAL.

6.0 SPILL PREVENTION

6.1 GENERAL MATERIAL MANAGEMENT PRACTICES

THE GOOD HOUSEKEEPING PRACTICES LISTED BELOW SHALL BE FOLLOWED THROUGHOUT THE CONSTRUCTION PROJECT.

- CONTRACTOR SHALL STORE ONLY ENOUGH PRODUCTS REQUIRED TO COMPLETE THIS PROJECT.
- ALL MATERIAL SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR ORIGINAL CONTAINERS CONTAINING MANUFACTURER'S LABEL.
- MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
- MATERIALS REQUIRED TO HAVE A MATERIAL SAFETY DATA SHEET (MSDS) SHALL HAVE A COPY STORED IN THE PROJECTS MSDS DATABASE.

6.2 SPILL CONTROL PRACTICES

THE PRACTICES LISTED BELOW SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE MAINTAINED ON-SITE.
- IMMEDIATELY UPON DISCOVERY, ALL SPILLS SHALL BE CLEANED UP ACCORDING TO THE MANUFACTURER'S RECOMMENDED METHODS.
- PERSONNEL CLEANING UP A SPILL SHALL USE PERSONAL PROTECTIVE EQUIPMENT.
- IMMEDIATELY UPON DISCOVERY, SPILLS OF TOXIC OR HAZARDOUS MATERIALS SHALL BE REPORTED TO THE OWNER AND GENERAL CONTRACTOR.
- NOTIFICATION AND REPORTING TO THE APPROPRIATE FEDERAL, STATE, AND LOCAL GOVERNMENT AGENCIES SHALL BE AS REQUIRED.

GENERAL INFORMATION:

THIS STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN DEVELOPED TO FULFILL ONE OF THE REQUIREMENTS OF THE GENERAL ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (WISCONSIN POLLUTION DISCHARGE ELIMINATION SYSTEM "WPDES" PERMIT NO. WI-S06783-1) FOR THE DISCHARGE OF STORMWATER ASSOCIATED WITH CONSTRUCTION PROJECTS DISTURBING ONE ACRE OR MORE. THE OWNER AND CONTRACTORS SHALL COMPLY WITH ALL REQUIREMENTS OF THE WPDES FOR ALL SUCH CONSTRUCTION PROJECTS. THE STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY FROM THIS SITE ARE SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE PERMITS.

THE EXECUTED OWNER CERTIFICATION AND THE CONTRACTOR CERTIFICATIONS SHALL BE KEPT ON-SITE WITH THE APPROVED PLANS.

SWPPP AVAILABILITY:

THE OWNER SHALL RETAIN A COPY OF THE SWPPP AT THE CONSTRUCTION SITE FROM THE DATE OF THE PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

KEEPING PLANS CURRENT:

THE CONTRACTOR SHALL AMEND THE PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE PLAN OR THE PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION SITE ACTIVITY. IN ADDITION, THE PLAN SHALL BE AMENDED TO IDENTIFY ANY NEW CONTRACTOR AND/OR SUBCONTRACTOR THAT WILL IMPLEMENT A MEASURE OF THE PLAN. AMENDMENTS TO THE PLAN MAY BE REQUIRED BY THE MUNICIPALITY, OWNER, OR OTHER REVIEWING AGENCY. COPIES OF THE AMENDMENTS SHALL BE KEPT ON-SITE AS PART OF THE SWPPP.

RETENTION OF RECORDS:

THE OWNER SHALL RETAIN COPIES OF THIS AND ALL REPORTS AND NOTICES REQUIRED BY THIS PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT, FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE PERMIT COVERAGE EXPIRES OR IS TERMINATED. THIS PERIOD MAY BE EXTENDED BY THE REQUEST OF THE AGENCY AT ANY TIME. IN ADDITION, THE OWNER SHALL RETAIN A COPY OF THE PLAN REQUIRED BY THIS PERMIT AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

A NOTICE OF INTENT (NOI) APPLICATION MUST BE COMPLETED AND INCORPORATED INTO THE SWPPP.

WPDES NOTICE OF TERMINATION GUIDANCE:

WHEN A SITE HAS BEEN FINALLY STABILIZED AND ALL STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED, THE OWNER OF THE FACILITY MUST SUBMIT A COMPLETED NOTICE OF TERMINATION THAT IS SIGNED IN ACCORDANCE WITH THE PERMIT. CONTRACTOR SHALL SUBMIT A COMPLETED NOTICE OF TERMINATION TO OWNER FOR EXECUTION PRIOR TO THEIR FINAL PAY APPLICATION REQUEST.

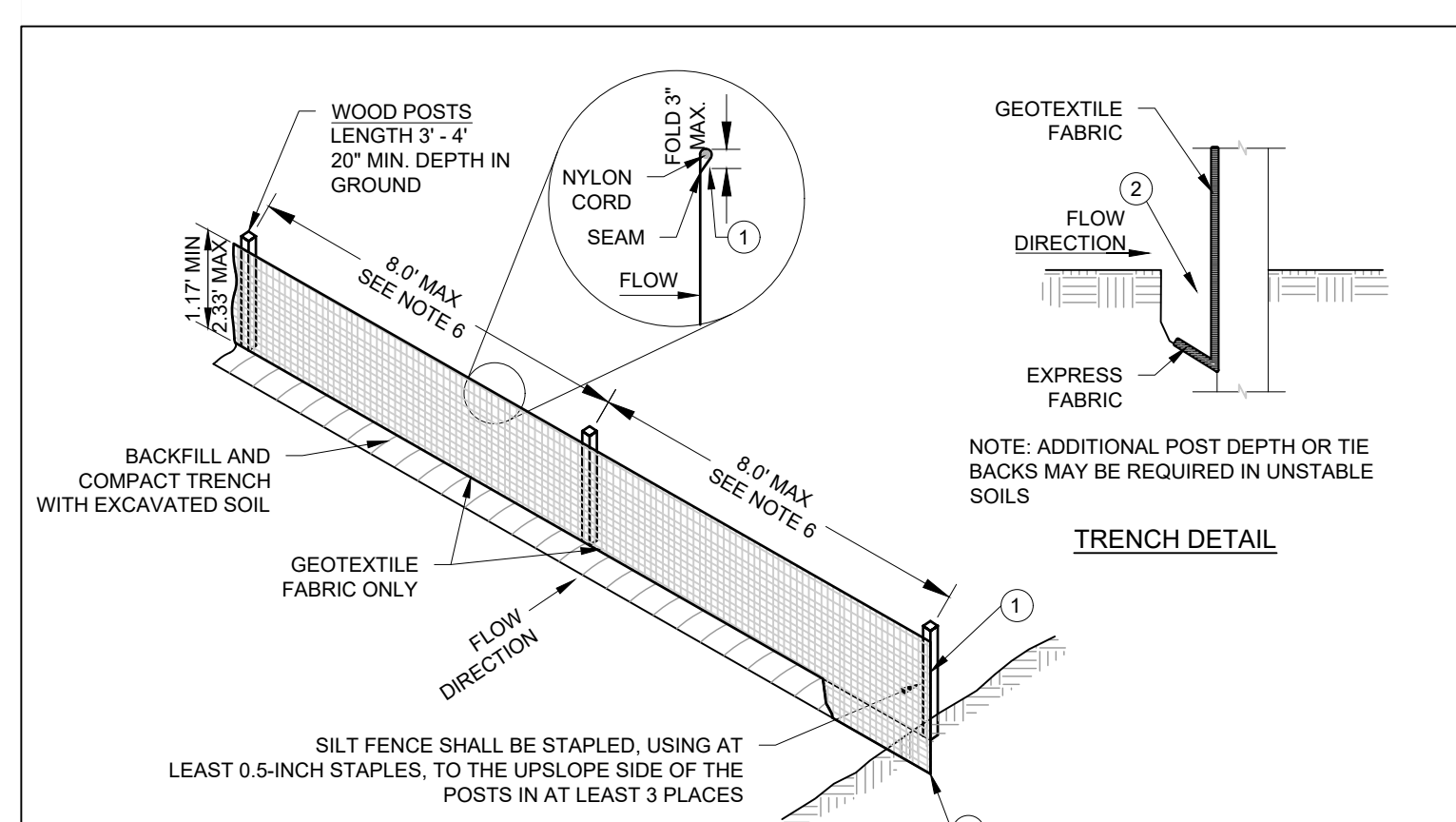
CONTROL MEASURE GROUP	CONTROL MEASURE	CONTROL MEASURE CHARACTERISTICS
VEGETATIVE SOIL COVER	TEMPORARY SEEDING	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.
	PERMANENT SEEDING	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION. FILTERS SEDIMENT FROM WATER. MAY BE PART OF FINAL LANDSCAPE PLAN.
NON VEGETATIVE SOIL COVER	AGGREGATE COVER	PROVIDES TEMPORARY COVER ON ROADS AND PARKING LOTS AND AREAS WHERE VEGETATION CANNOT BE ESTABLISHED. PREVENTS MUD FROM BEING PICKED UP AND TRANSPORTED OFF-SITE.
	PAVING	PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.
DIVERSIONS	DIVERSION BERM / SWALE	DIVERTS RUNOFF TO A SEDIMENT TRAP OR OTHER CONTROL.
ENCLOSED DRAINAGE	STORM SEWER	CONVEYS SEDIMENT LADEN WATER TO A SEDIMENT BASIN.
OUTLETS	APRON ENDWALL OR RIPRAP	PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURE.
SEDIMENT BASINS	TEMPORARY SEDIMENT TRAP	CONSTRUCTED TO REMOVE SEDIMENT FROM RUNOFF FROM SITE DIVERSION BERM/SWALES AND IN OVERLAND FLOOD ROUTE. CAN BE CONVERTED TO PERMANENT SEDIMENT BASIN.
	SILT FENCE	PLACED DOWN SLOPE OF DISTURBED AREA TO KEEP RUNOFF CONTAINED ON-SITE.
	INLET PROTECTION	INSTALLED IN OPEN GRATE STRUCTURES TO COLLECT SEDIMENT.
	DITCH CHECK	PLACED IN DRAINAGE CHANNELS TO FILTER SEDIMENT FROM RUNOFF.
MUD AND DUST CONTROL	CONSTRUCTION ENTRANCE	REDUCES SOIL EROSION POLLUTANTS BEING TRANSPORTED OFF-SITE.
	STREET SWEEPING	REDUCES POLLUTANTS TRACKED FROM CONSTRUCTION SITE.
	DUST CONTROL	PREVENTS DUST FROM LEAVING CONSTRUCTION SITE.

STABILIZATION EFFECTIVENESS (TIME OF YEAR)

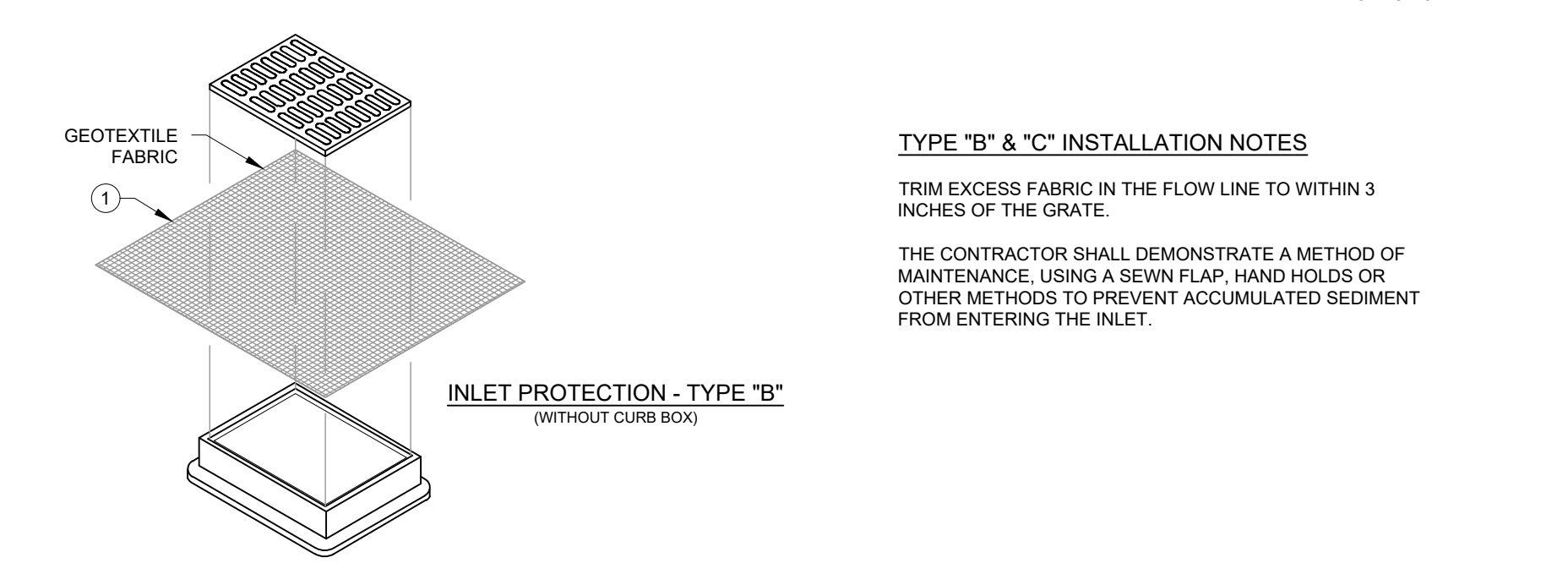
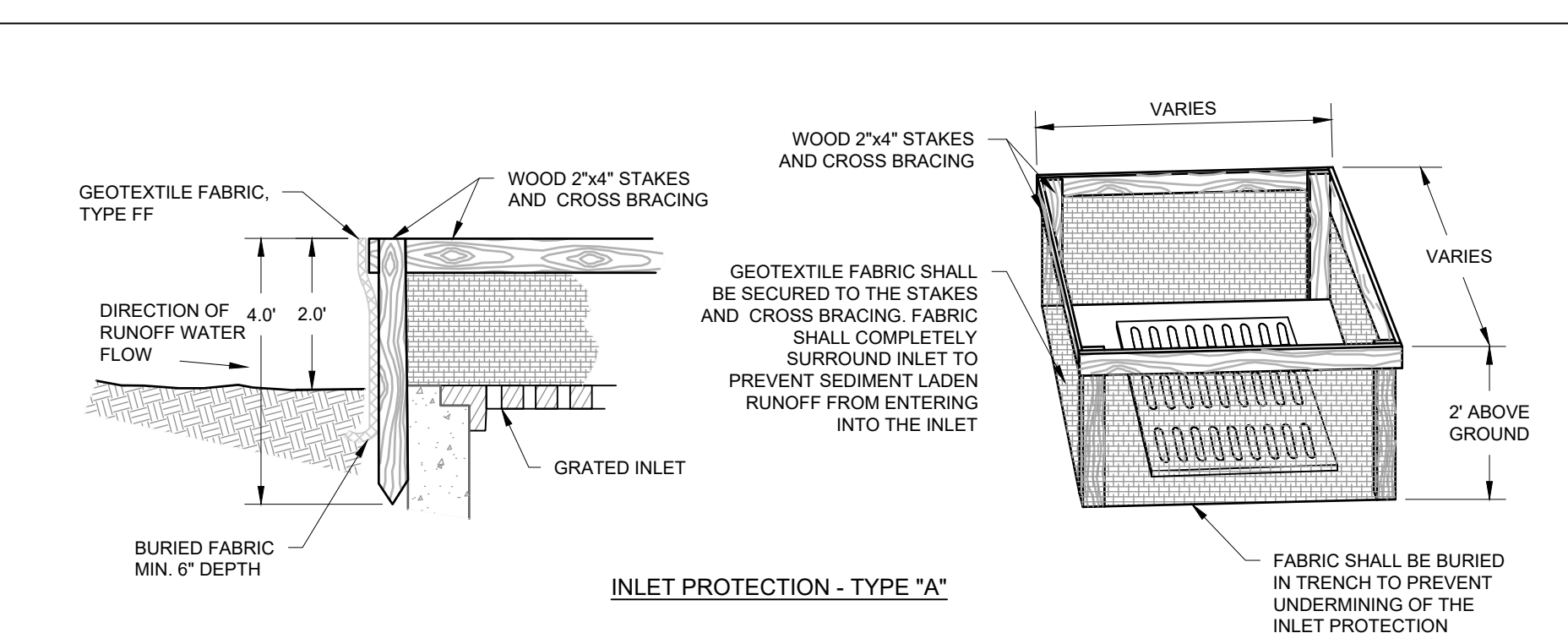
STABILIZATION TYPE	STABILIZATION UTILIZATION PERIODS											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A	*	*	*	*	*	*	*	*	*
DORMANT SEEDING	B											B
TEMPORARY SEEDING			C	*	*	*	*	*	*	*	*	*
SCODDING			E	*	*	*	*	*	*	*	*	*

- A. KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE.
- B. KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + 2 TONS STRAW MULCH/ACRE.
- C. SPRING OATS 100 LBS/ACRE.
- D. WHEAT OR CEREAL RYE 150 LBS/ACRE.
- E. SOO.
- F. STRAW MULCH 2 TONS/ACRE.

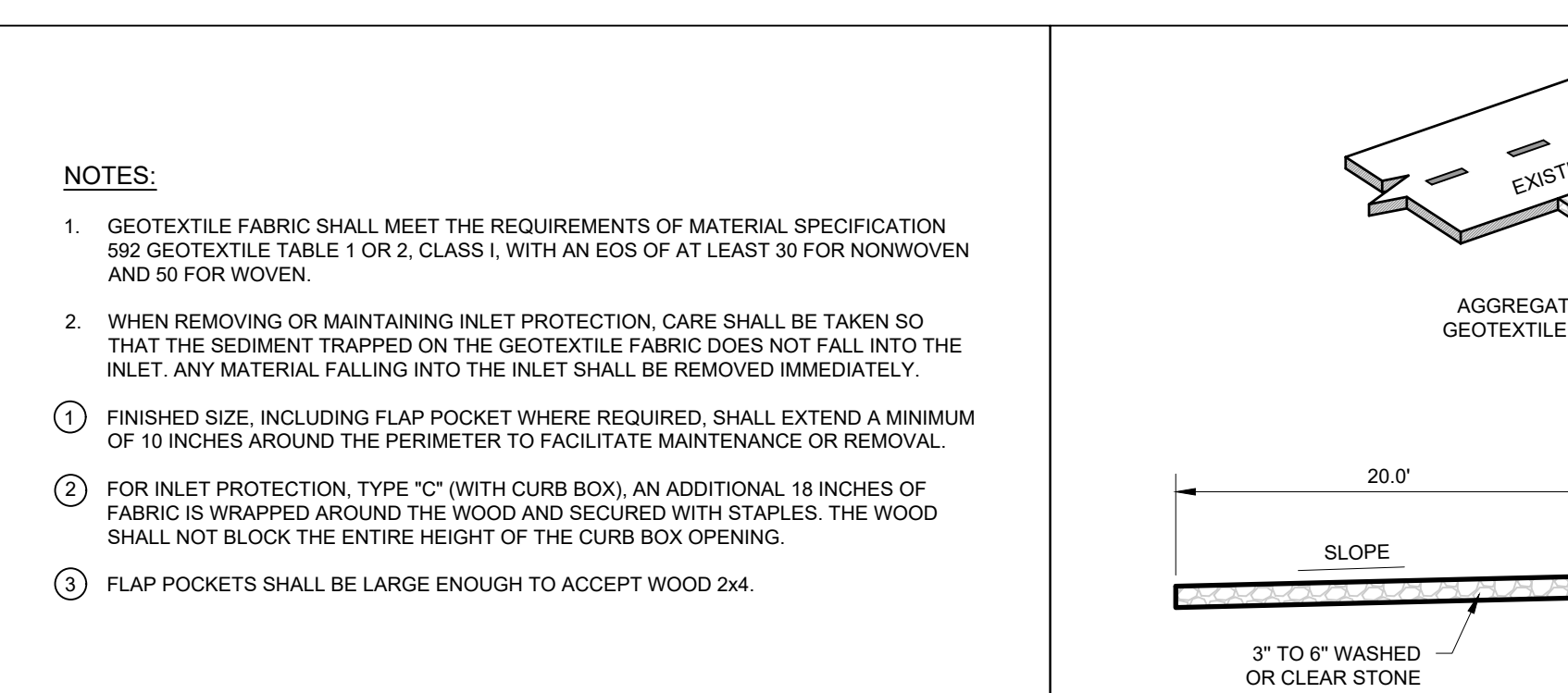
* IRRIGATION/WATERING REQUIRED TO SUPPORT ESTABLISHMENT AS NEEDED.



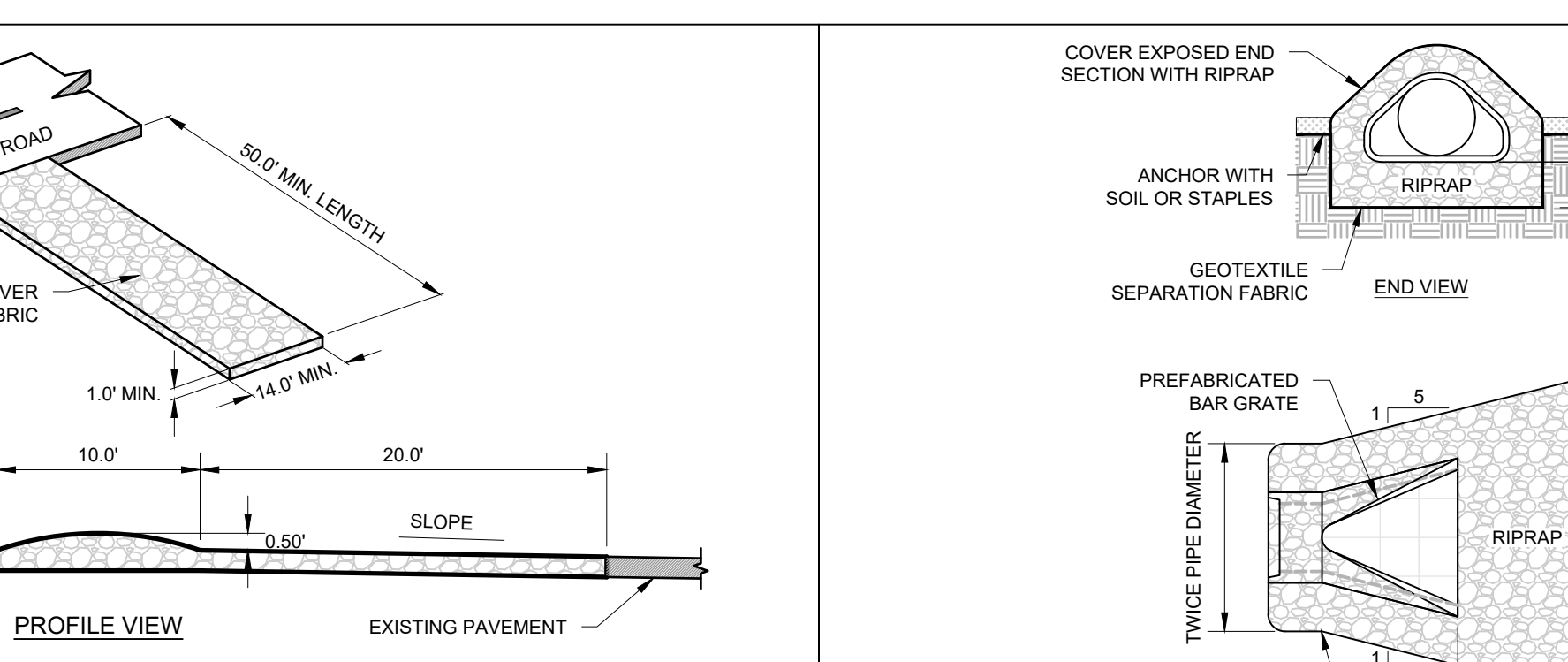
- NOTES:**
- ALL SILT FENCE MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH WI DNR TECHNICAL STANDARD 1056.
 - GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
 - SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8-INCHES OF FABRIC IN A 4-INCH WIDE AND 6-INCH DEEP TRENCH OR 6-INCH DEEP V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCHES SHALL NOT BE EXCAVATED DEEPER THAN NECESSARY FOR PROPER INSTALLATION.
 - FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
 - WOOD POSTS SHALL BE A MINIMUM SIZE OF 1.125-INCHES x 1.125-INCHES OF DRIED OAK OR HICKORY.
 - SILT FENCE TO EXTEND ABOVE THE TOP OF PIPE, WHERE APPLICABLE.
 - POST SPACING SHALL BE SELECTED BASED ON GEOTEXTILE FABRIC (2-FEET FOR WOVEN AND 3-FEET FOR NON-WOVEN).



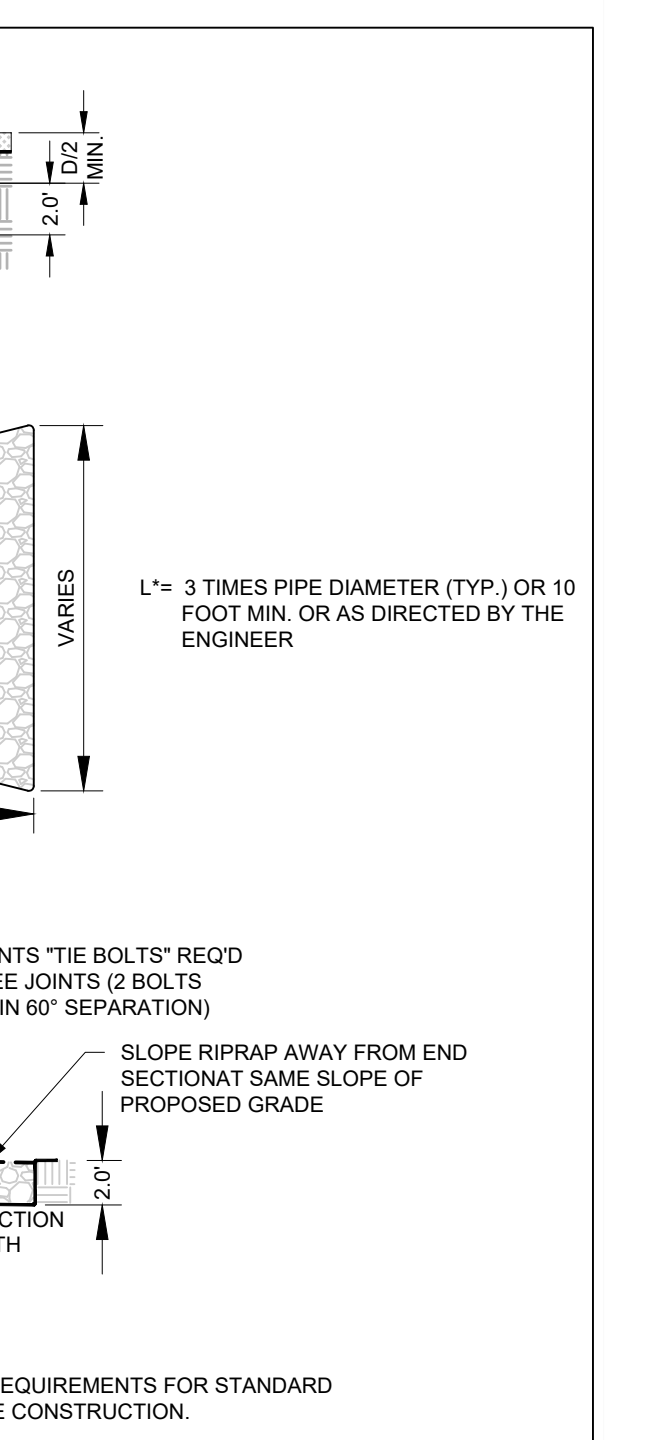
INLET PROTECTION



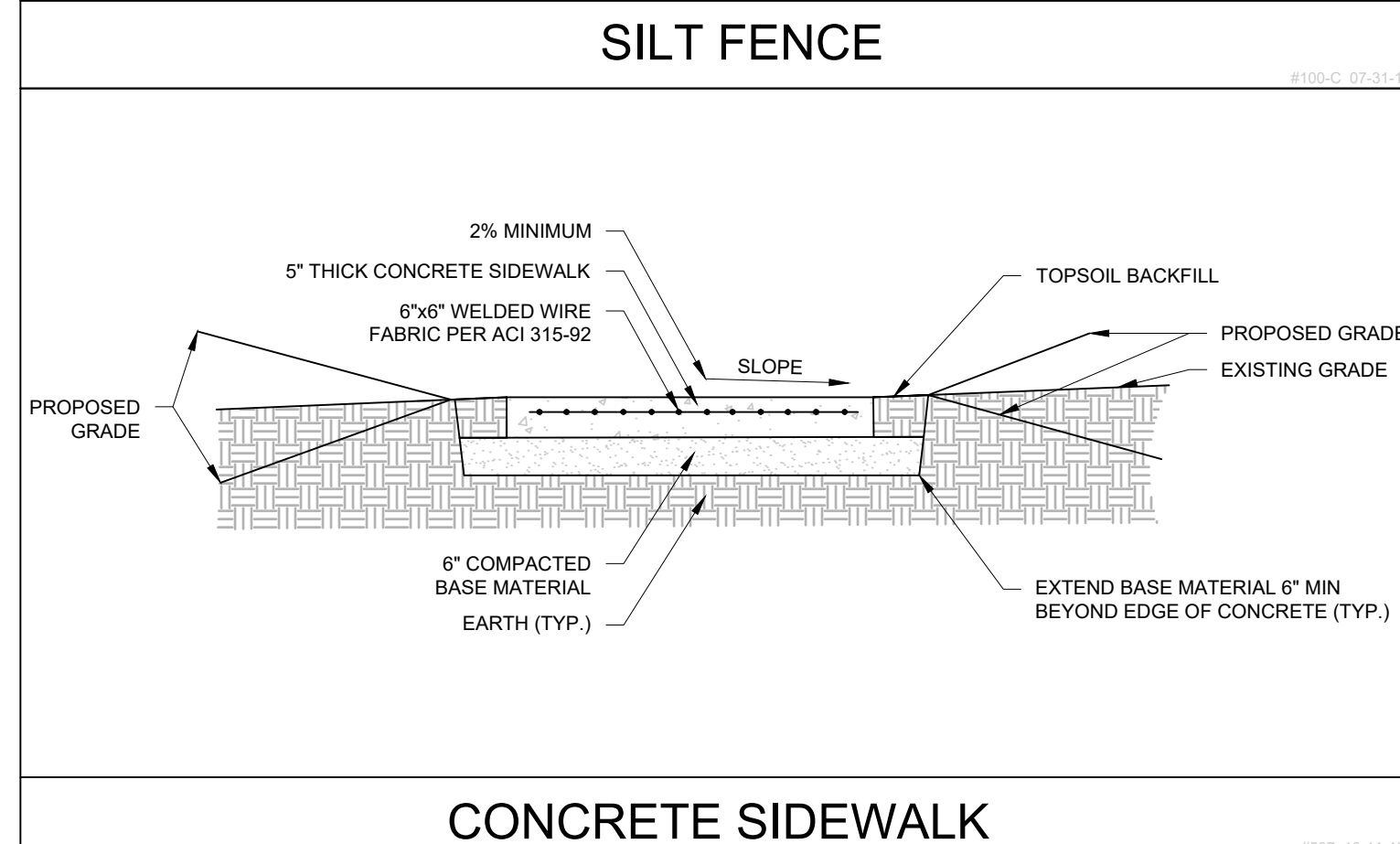
- NOTES:**
- GEOTEXTILE FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS I WITH AN EOS OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
 - WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
 - FINISHED SIZE, INCLUDING FLAP POCKET WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL OF THE INLET.
 - FOR INLET PROTECTION TYPE 'C' (WITH CURB BOX), AN ADDITIONAL 18 INCHES OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
 - FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.



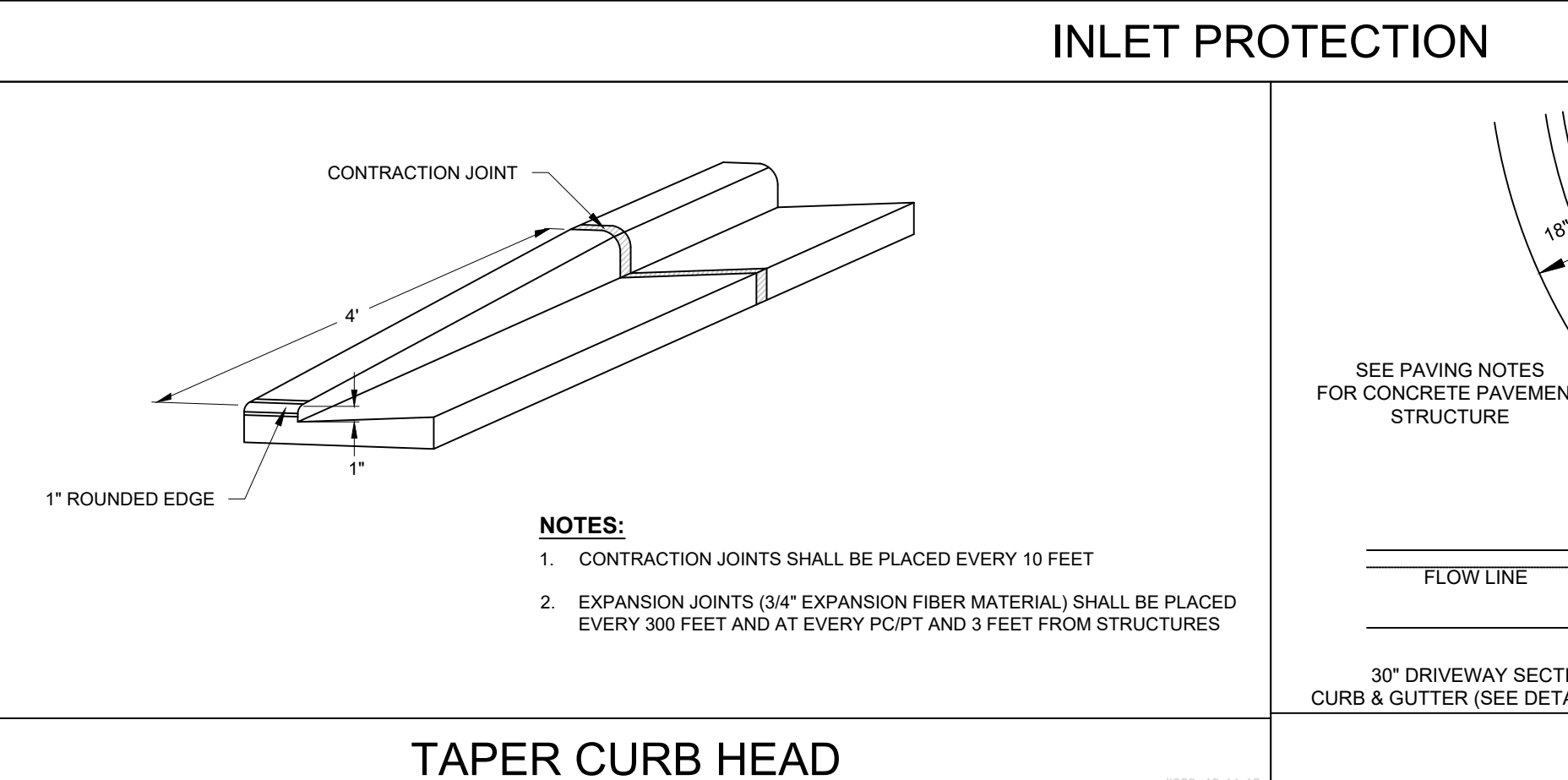
- NOTES:**
- ALL TRACKING PAD MATERIALS AND INSTALLATION SHALL BE IN CONFORMANCE WITH WI DNR TECHNICAL STANDARD 1057.
 - TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE. CONTRACTOR SHALL VERIFY LOCATION WITH OWNER.
 - THE AGGREGATE FOR TRACKING PADS SHALL BE 3 TO 6 INCH CLEAR OR WASHED STONE. ALL MATERIALS TO BE RETAINED ON A 3-INCH SIEVE.
 - THE AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12-INCHES THICK ON SITES WHERE SATURATED CONDITIONS ARE EXPECTED DURING THE LIFE OF THE PAD. THE PAD SHALL BE UNDERLAIN WITH GEOTEXTILE FABRIC WHICH MEETS MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 1 OR 2, CLASS I, II OR IV, TO PREVENT MIGRATION OF UNDERLYING SOILS INTO THE STONE LAYER.
 - THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT. MINIMUM WIDTH IS 14 FEET FOR ONE-WAY TRAFFIC AND 20 FEET FOR TWO-WAY TRAFFIC. WITH AN ADDITIONAL INCREASE OF 4 FEET FOR TRAILER TRAFFIC. THE TRACKING PAD SHALL BE A MINIMUM 50-FEET LONG.
 - ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, AT THE END OF EACH WORKING DAY.
 - TRACKING PADS SHALL, AT A MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24-HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5-INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.
 - THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.



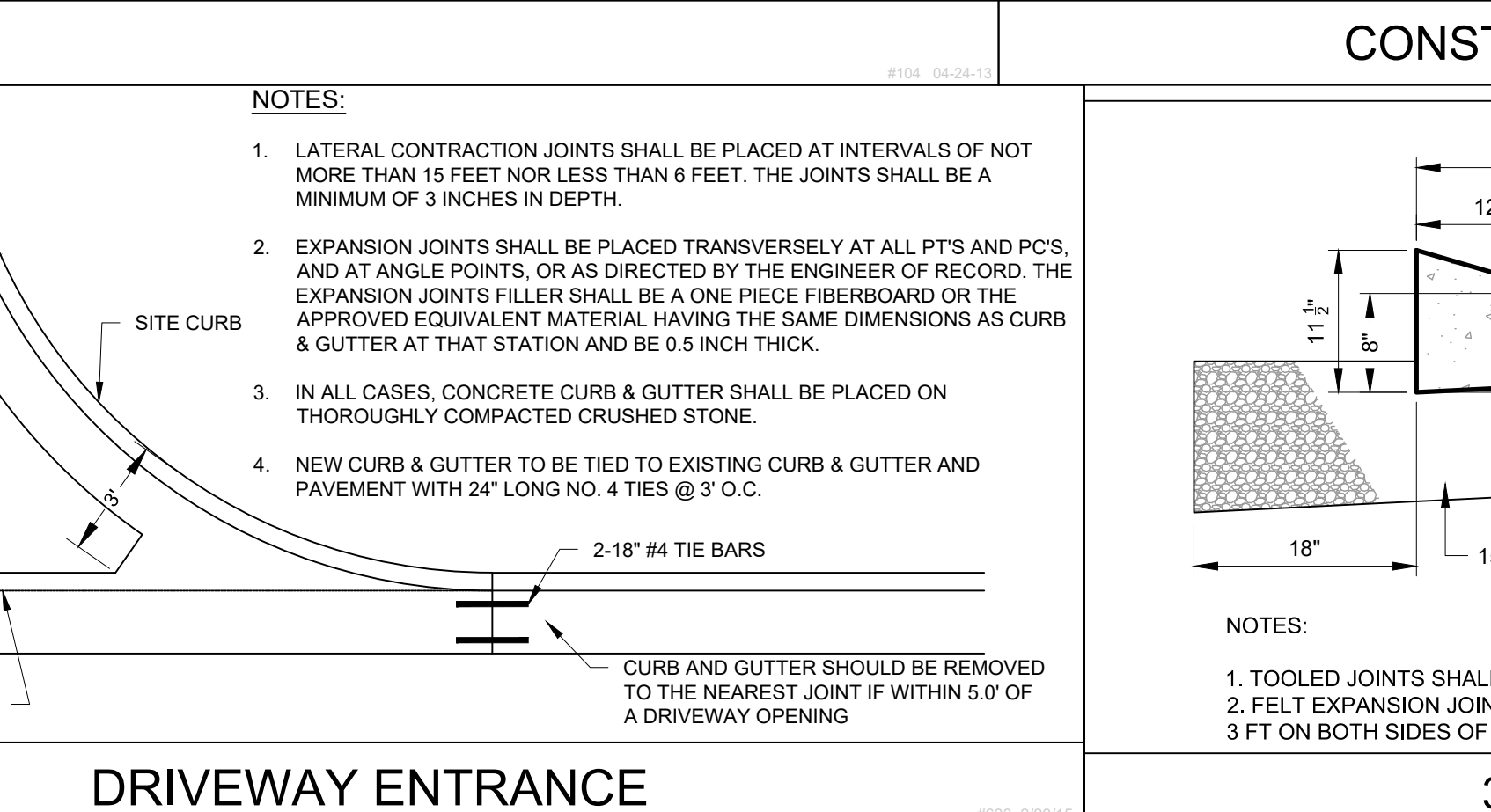
RIP RAP AT END SECTIONS



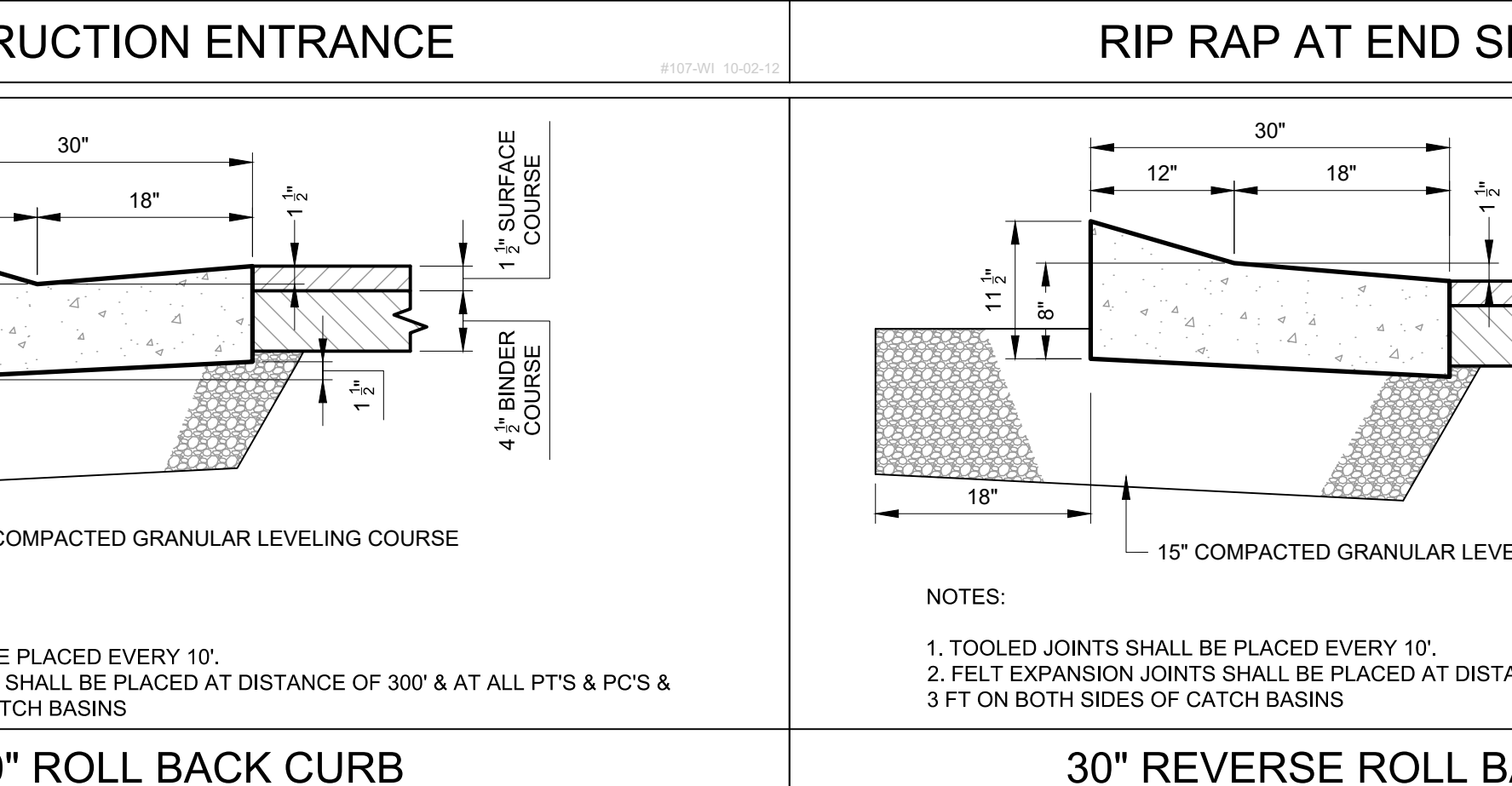
CONCRETE SIDEWALK



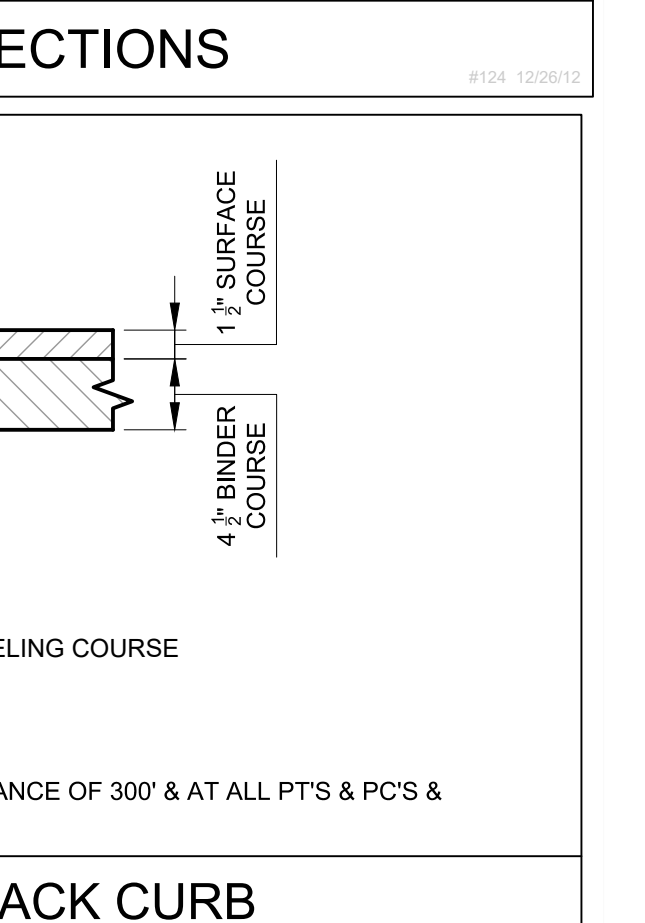
TAPER CURB HEAD



DRIVEWAY ENTRANCE



30" ROLL BACK CURB



30" REVERSE ROLL BACK CURB

PLAN | DESIGN | DELIVER
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PINNACLE ENGINEERING GROUP
ENGINEERING | NATURAL RESOURCES | SURVEYING

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CHICAGO, IL 60602
(773) 399-8888

ZILBER C251
CALEDONIA, WI

CONSTRUCTION DETAILS

REVISIONS

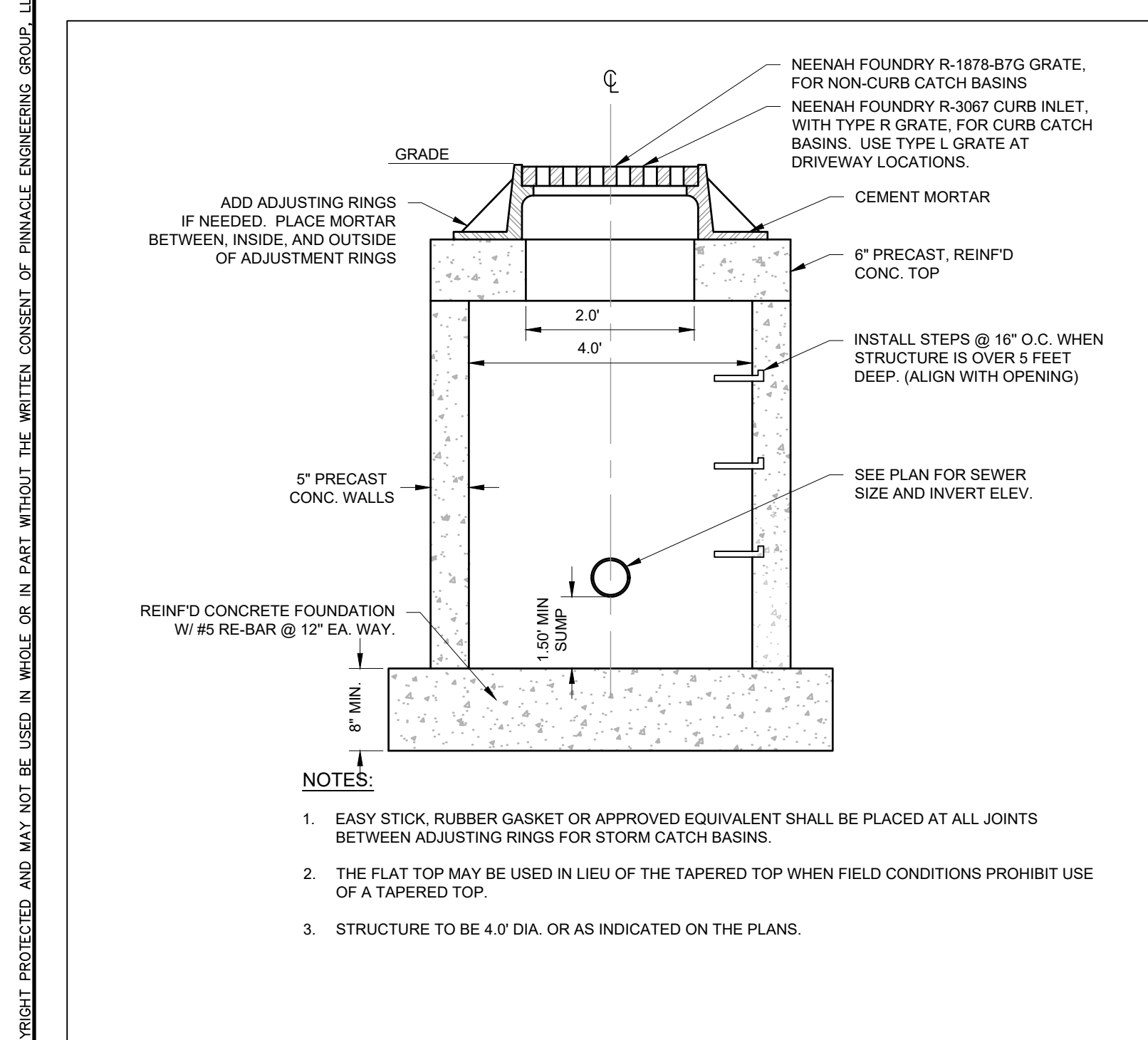
NO.	DESCRIPTION	DATE
1	VILLAGE BSO SUBMITTAL	02/09/26
2	VILLAGE BSO RESUBMITTAL	03/27/26
3	ISSUED FOR BID	03/30/26
4	VILLAGE COMMENTS / BID SET	04/22/26
5	ISSUED FOR CONSTRUCTION	05/19/26

REG. JOB NO. 1912-40-WT
REG. NO. 1912-40-WT
START DATE: 02/09/26
SCALE: N.T.S.
SHEET C-15

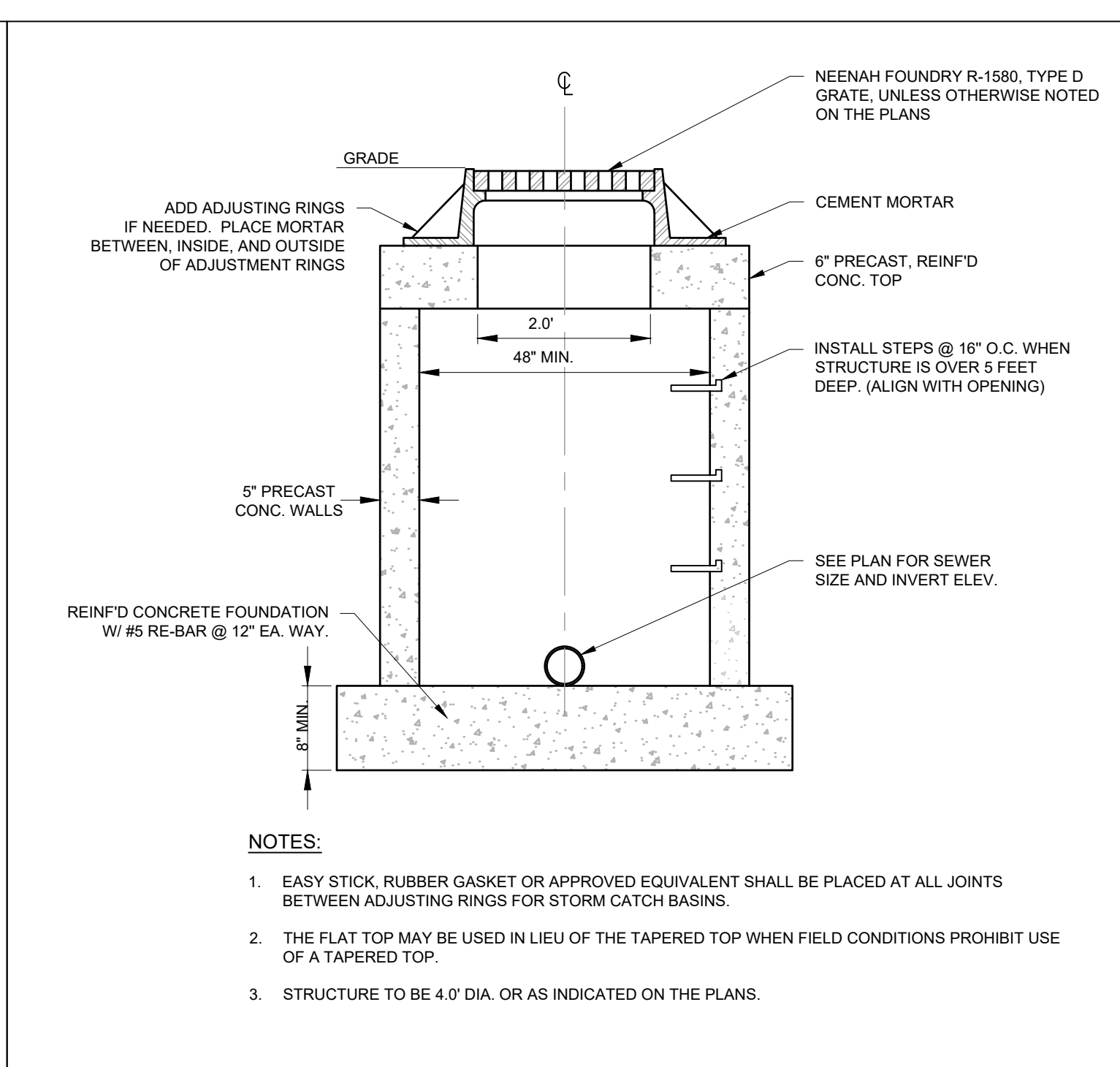
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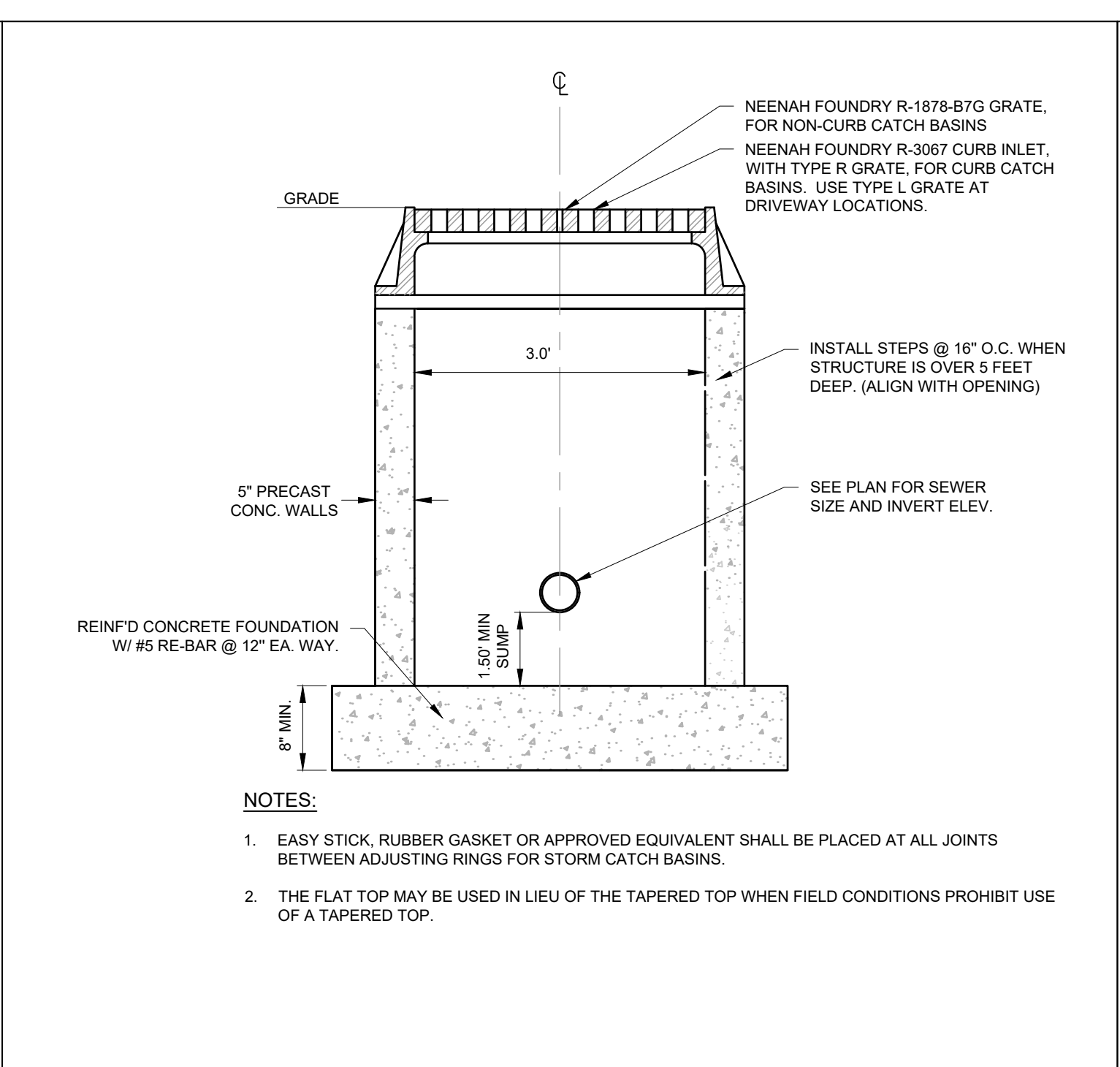
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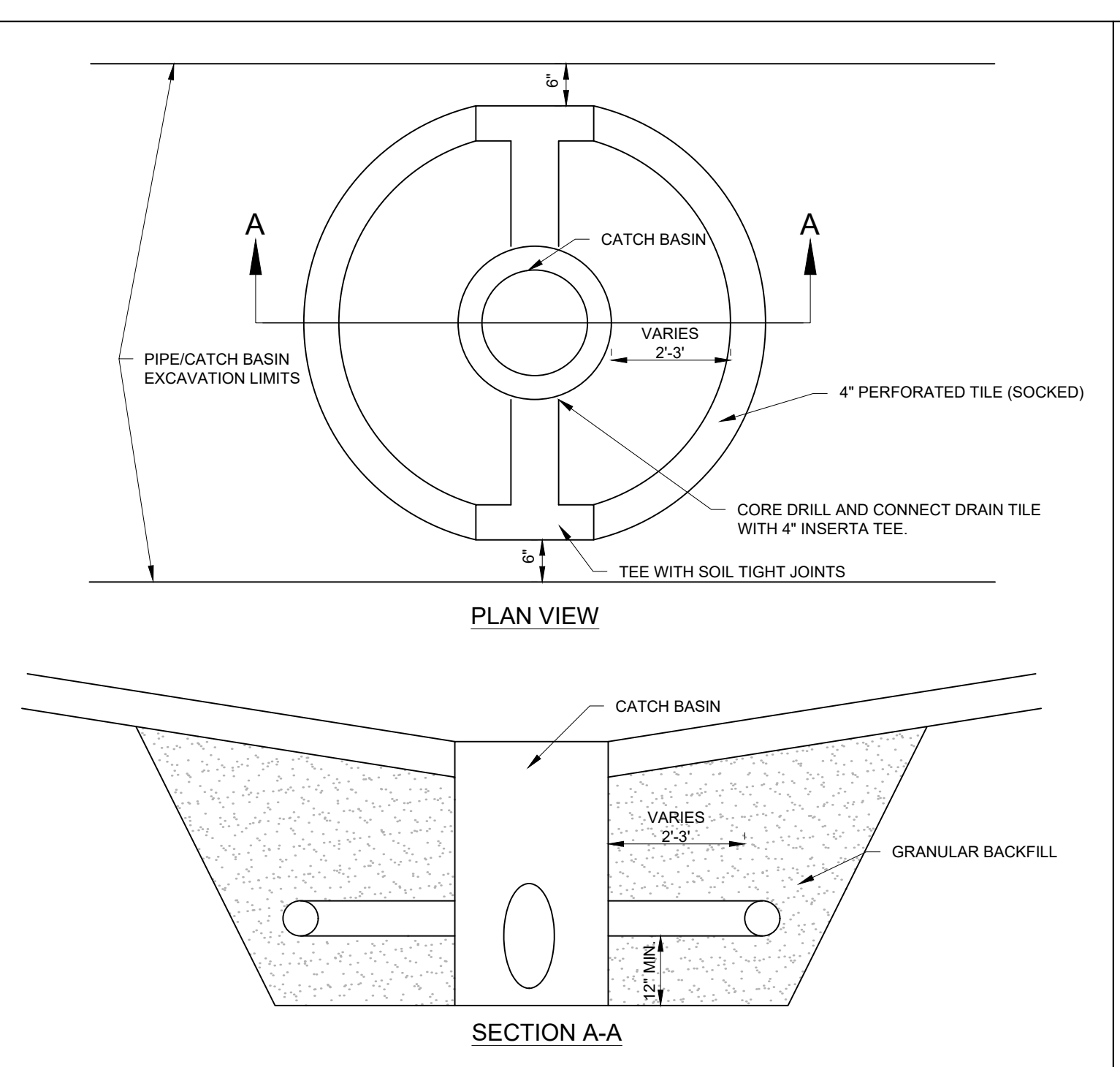
CATCH BASIN



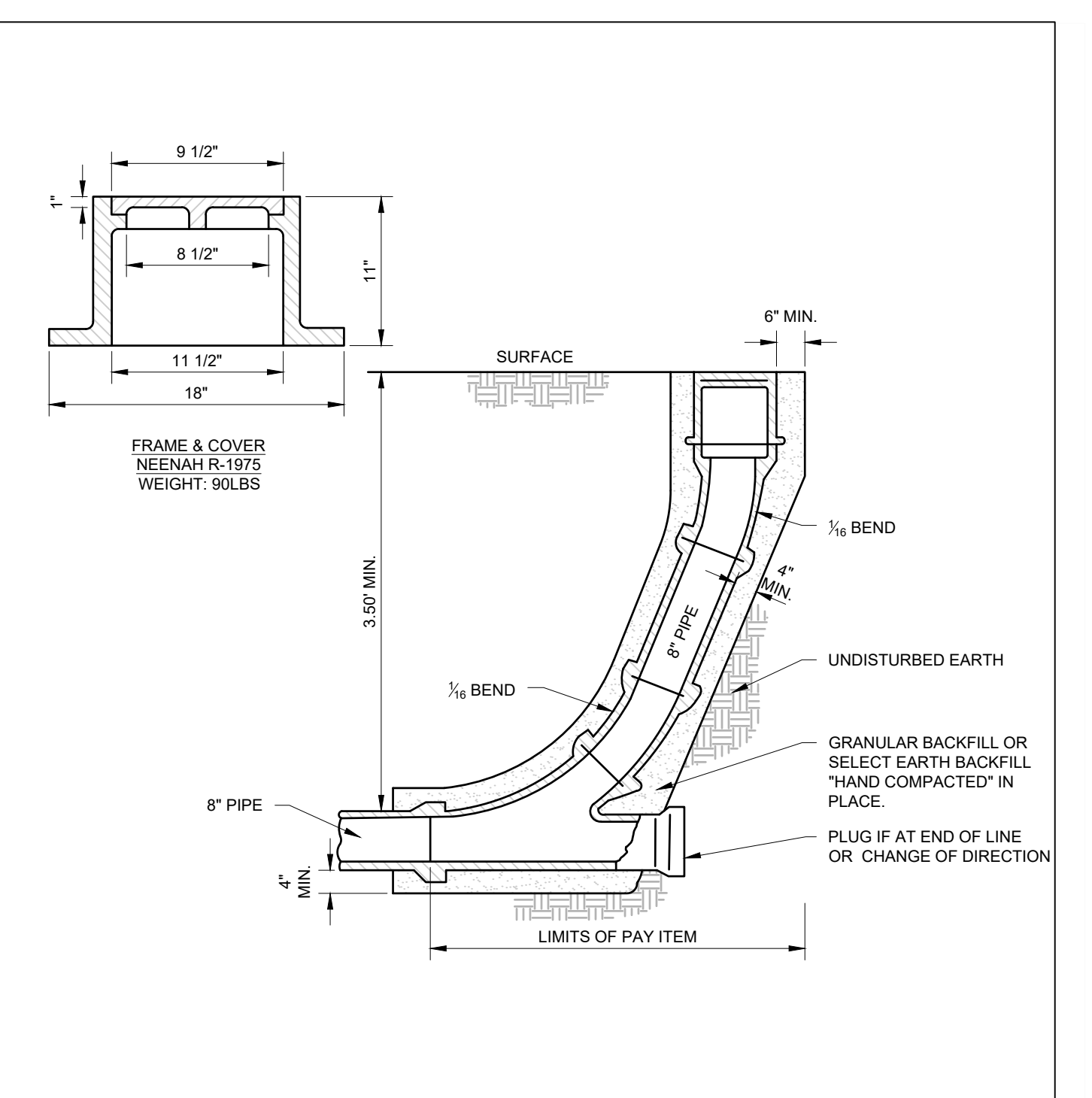
STORM SEWER MANHOLE



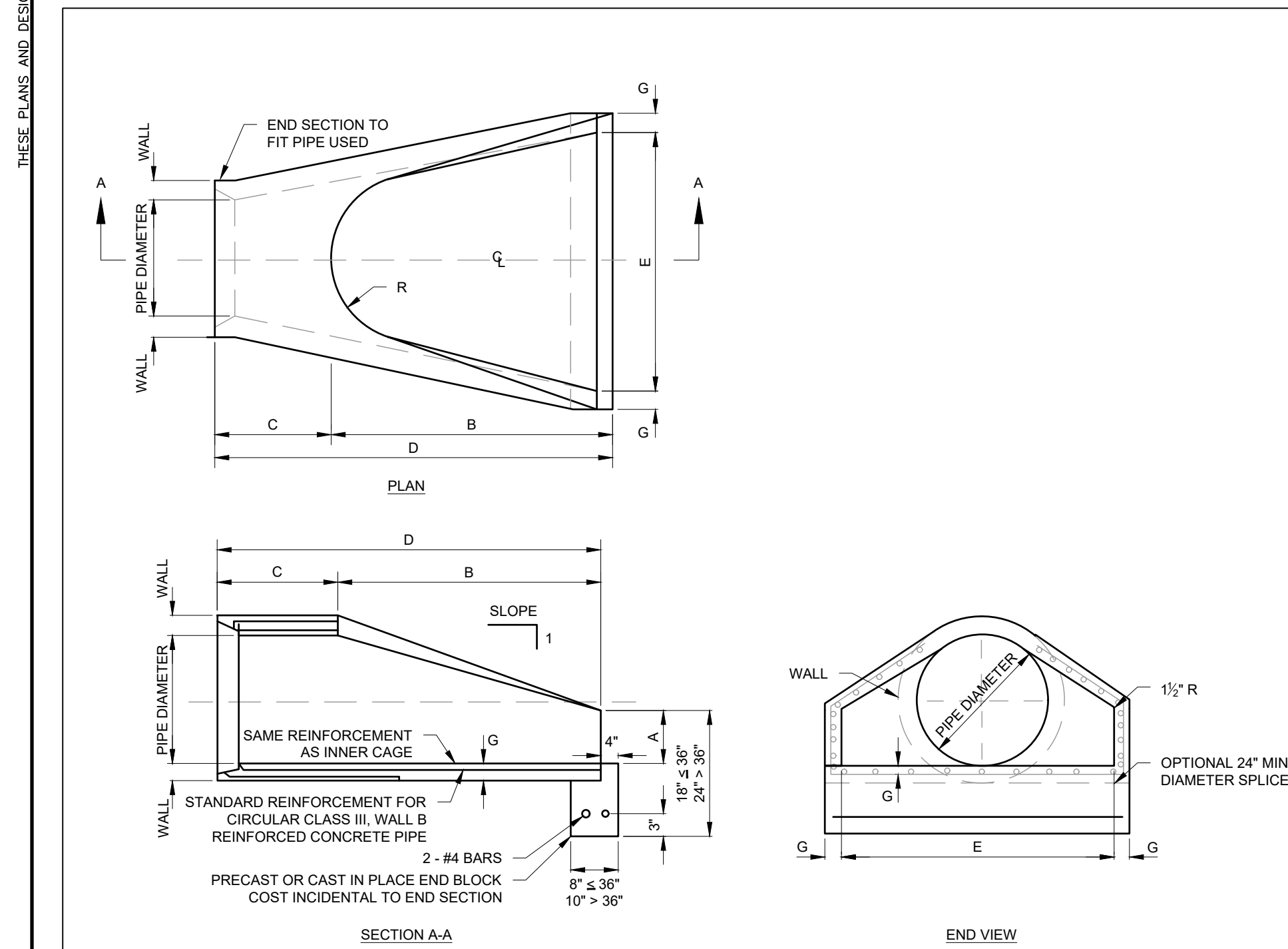
2' x 3' CATCH BASIN



CATCH BASIN - UNDERDRAIN



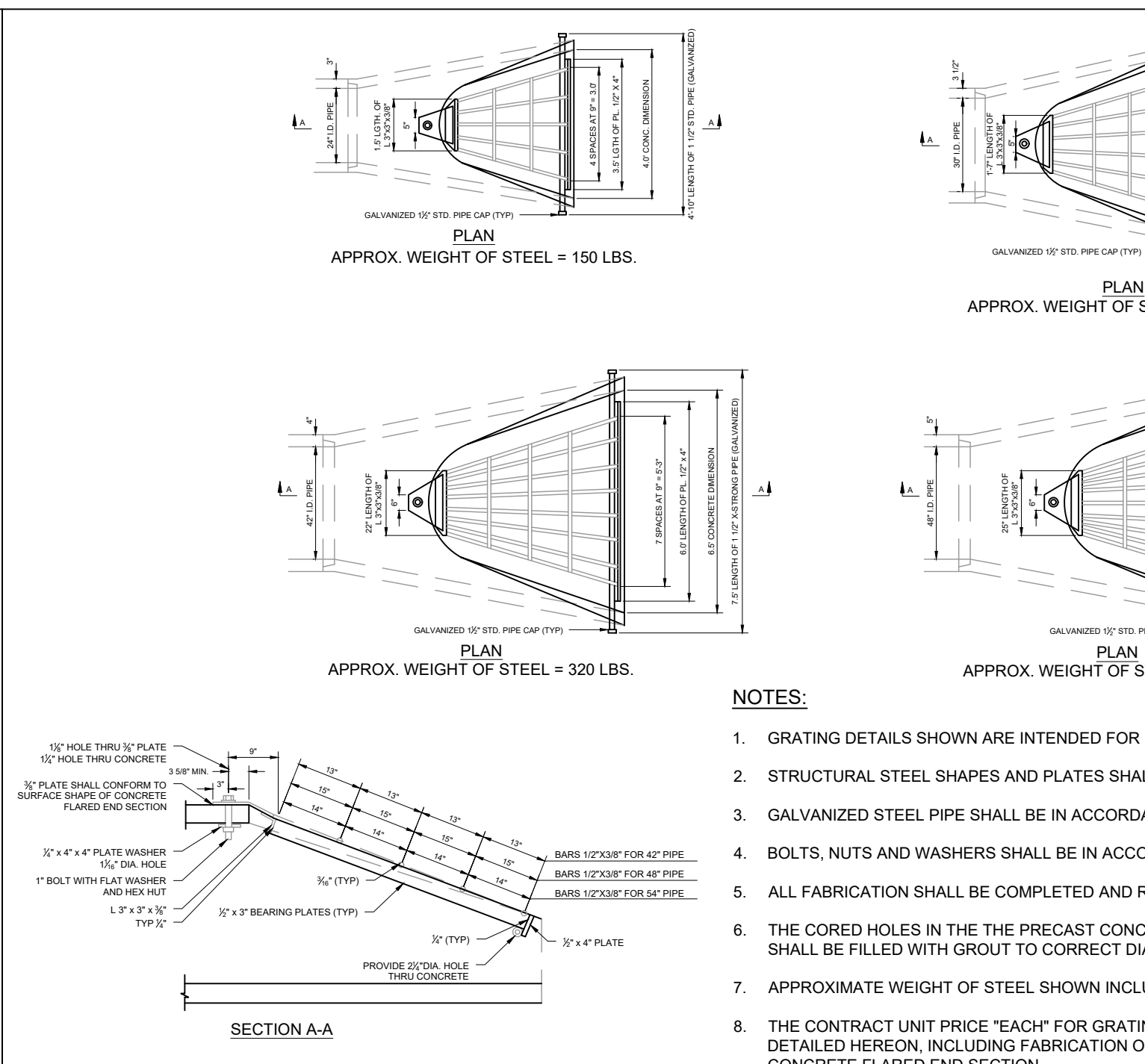
SANITARY SEWER CLEANOUT STRUCTURE



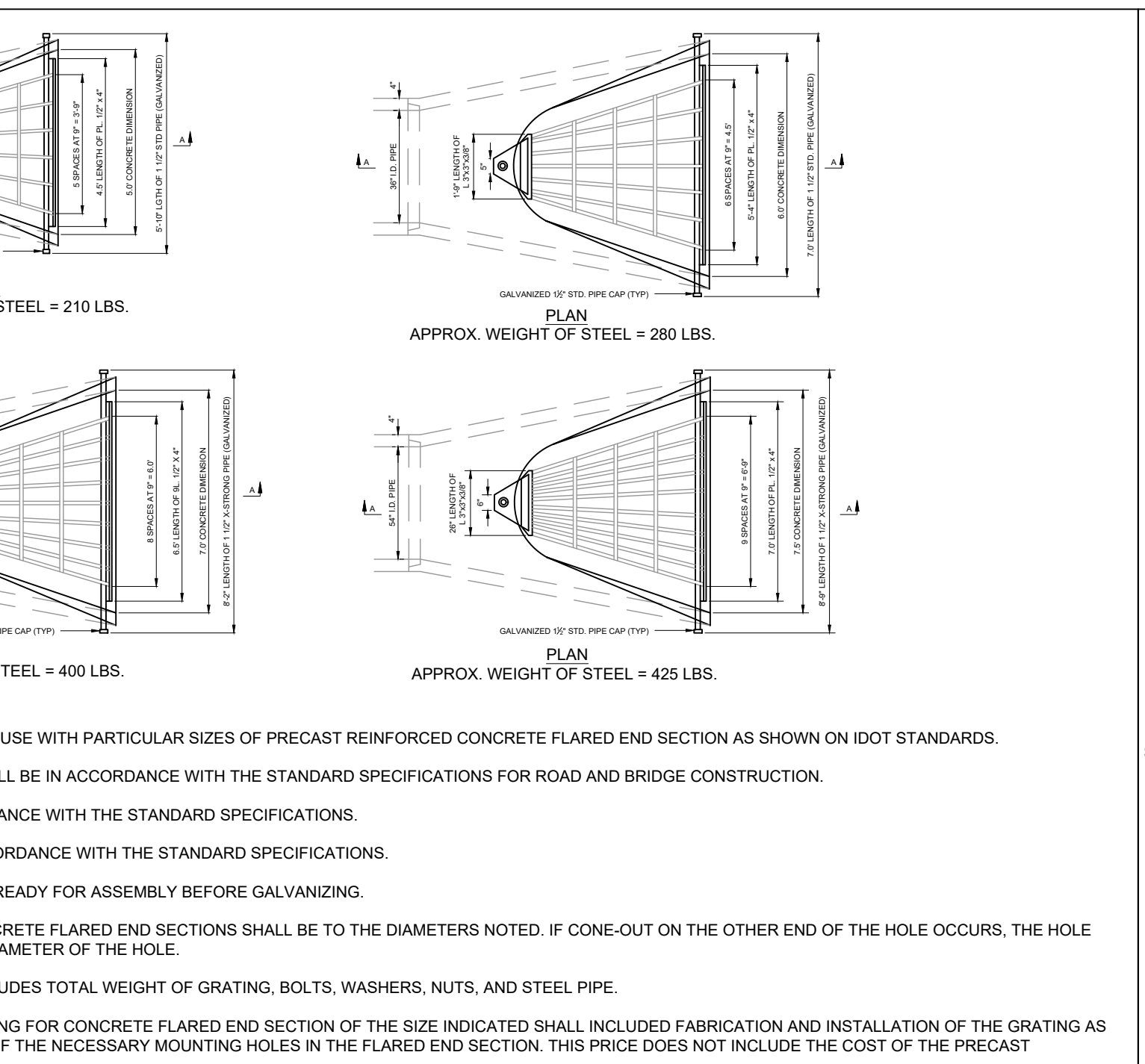
PRECAST FLARED END SECTIONS

PIPE DIA. (IN)	APPROX. QTY. (SQ. YD)	WALL THICKNESS (IN)	A (IN)	B (IN)	C (IN)	D (IN)	E (IN)	G (IN)	R (IN)	APPROX. SLOPE
12"	530	2	4	24	4'-0 7/8"	24	2	9	12.4	
15"	740	2 1/4	6	27	5'-0"	6'-1"	30	2 1/4	11	12.4
18"	960	2 1/2	8	27	5'-10"	6'-1"	36	2 1/2	12	12.4
21"	1280	2 3/4	9	35	6'-11"	6'-1"	36	2 3/4	13	12.4
24"	1520	3	9 1/2	37 1/2	30	6'-1 1/2"	4'-0"	3	14	12.5
27"	1930	3 1/4	10 1/2	4'-0"	25 1/2	6'-1 1/2"	4'-0"	3 1/4	14 1/2	12.4
30"	2190	3 1/2	12	4'-6"	19 3/4	6'-1 3/4"	5'-0"	3 1/2	15	12.5
33"	3200	3 3/4	13 1/2	4'-10 1/2"	39 1/4	6'-1 3/4"	5'-0"	3 3/4	17 1/2	12.5
36"	4100	4	15	5'-3"	34 3/4	6'-1 3/4"	6'-0"	4	20	12.5
42"	5380	4 1/2	21	5'-3"	35	6'-2"	6'-8"	4 1/2	22	12.5
48"	6550	5	24	6'-0"	26	6'-2"	7'-0"	5	22	12.5
54"	8240	5 1/2	27	5'-0"	35	6'-4"	7'-6"	5 1/2	24	12.0
60"	8730	6	35	5'-0"	39	6'-3"	8'-0"	6	11.9	
66"	10710	6 1/2	30	6'-0"	27	6'-3"	8'-6"	6 1/2	11.7	
72"	12920	7	36	6'-6"	21	6'-3"	9'-0"	7	11.8	
78"	14770	7 1/2	36	7'-6"	21	9'-3"	9'-6"	7 1/2	11.8	
84"	18160	8	36	7'-6 1/2"	21	9'-3 1/2"	10'-0"	8	11.6	

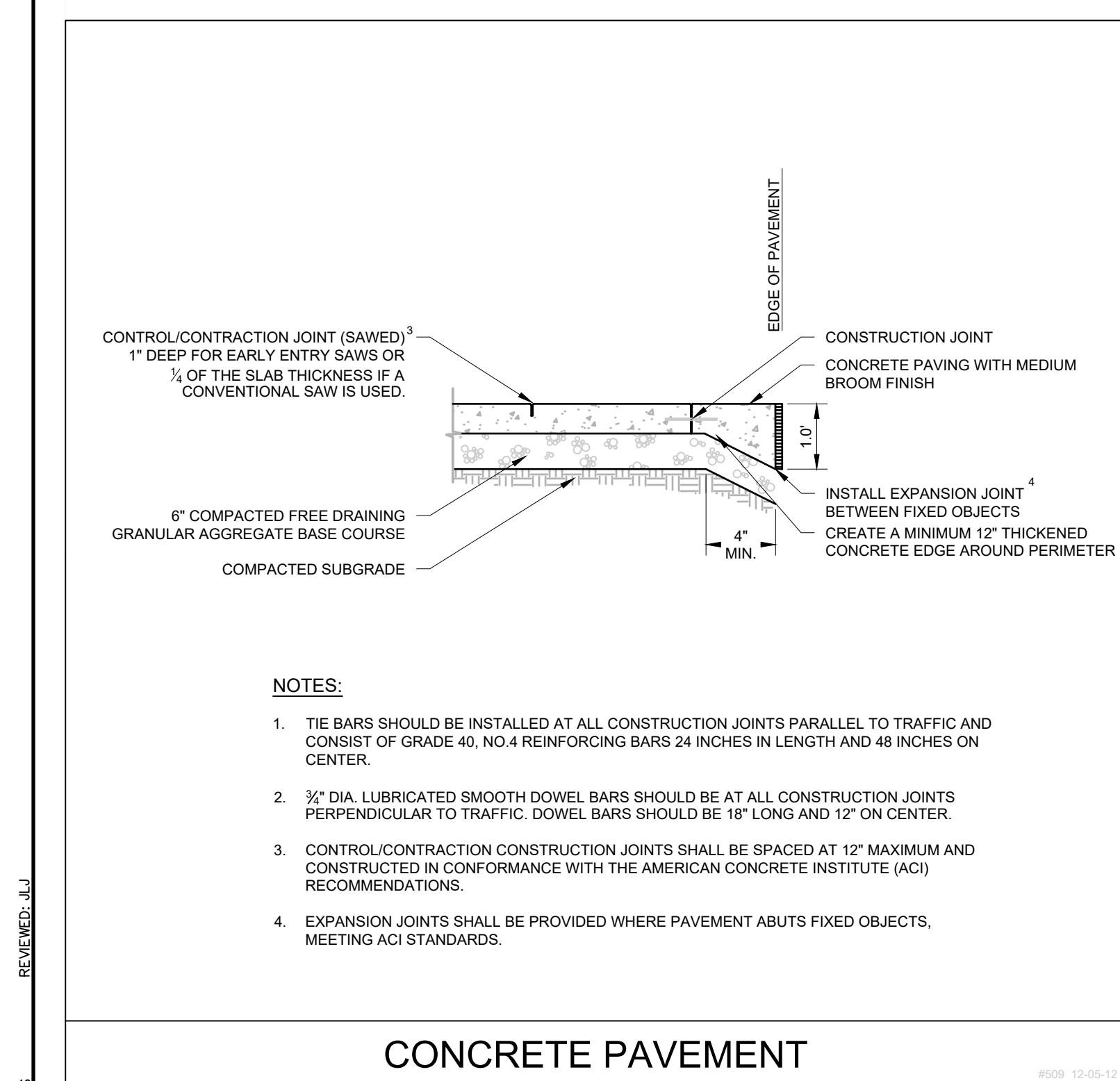
PRECAST FLARED END SECTIONS



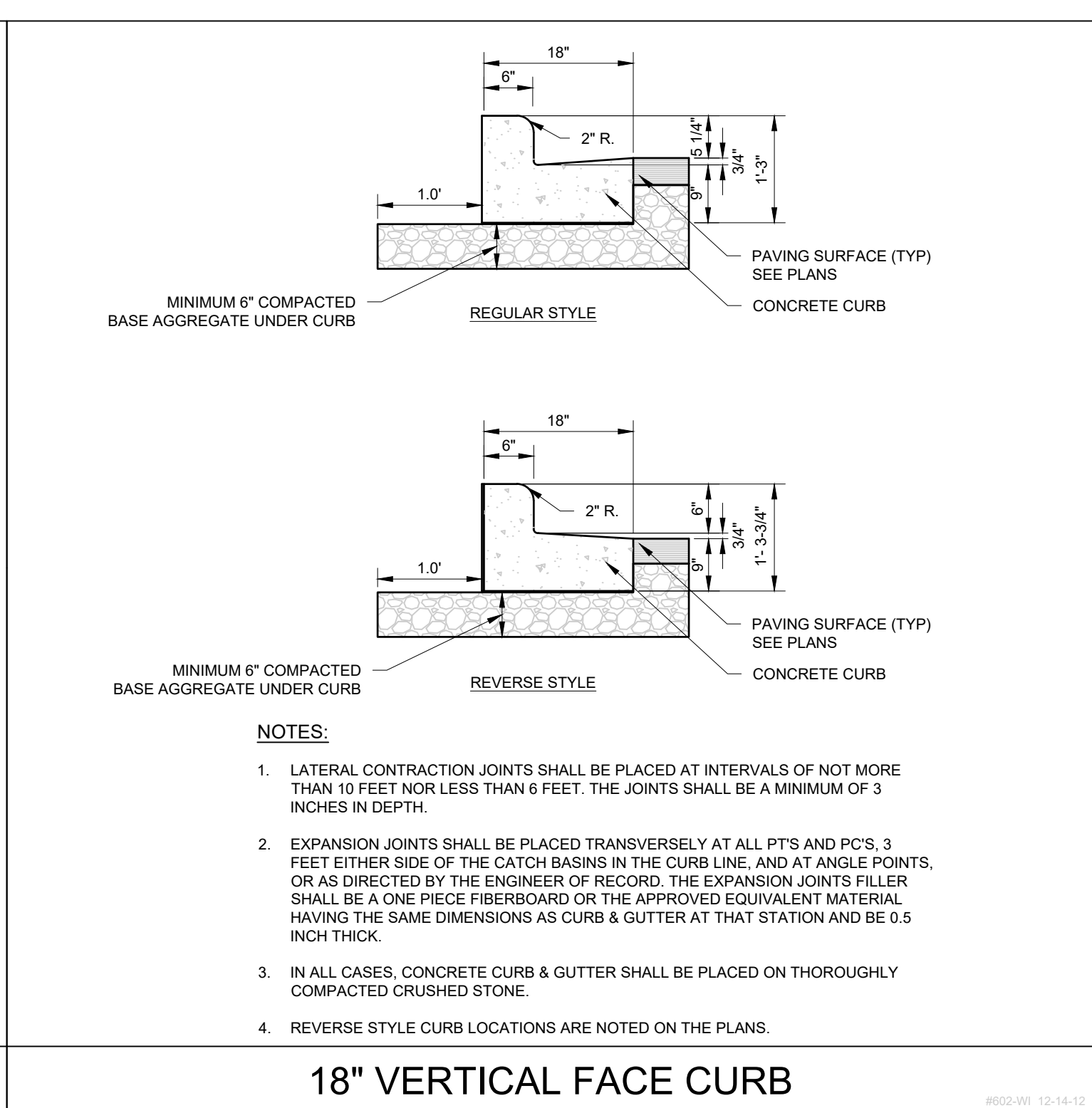
FLARED END SECTION GRATES



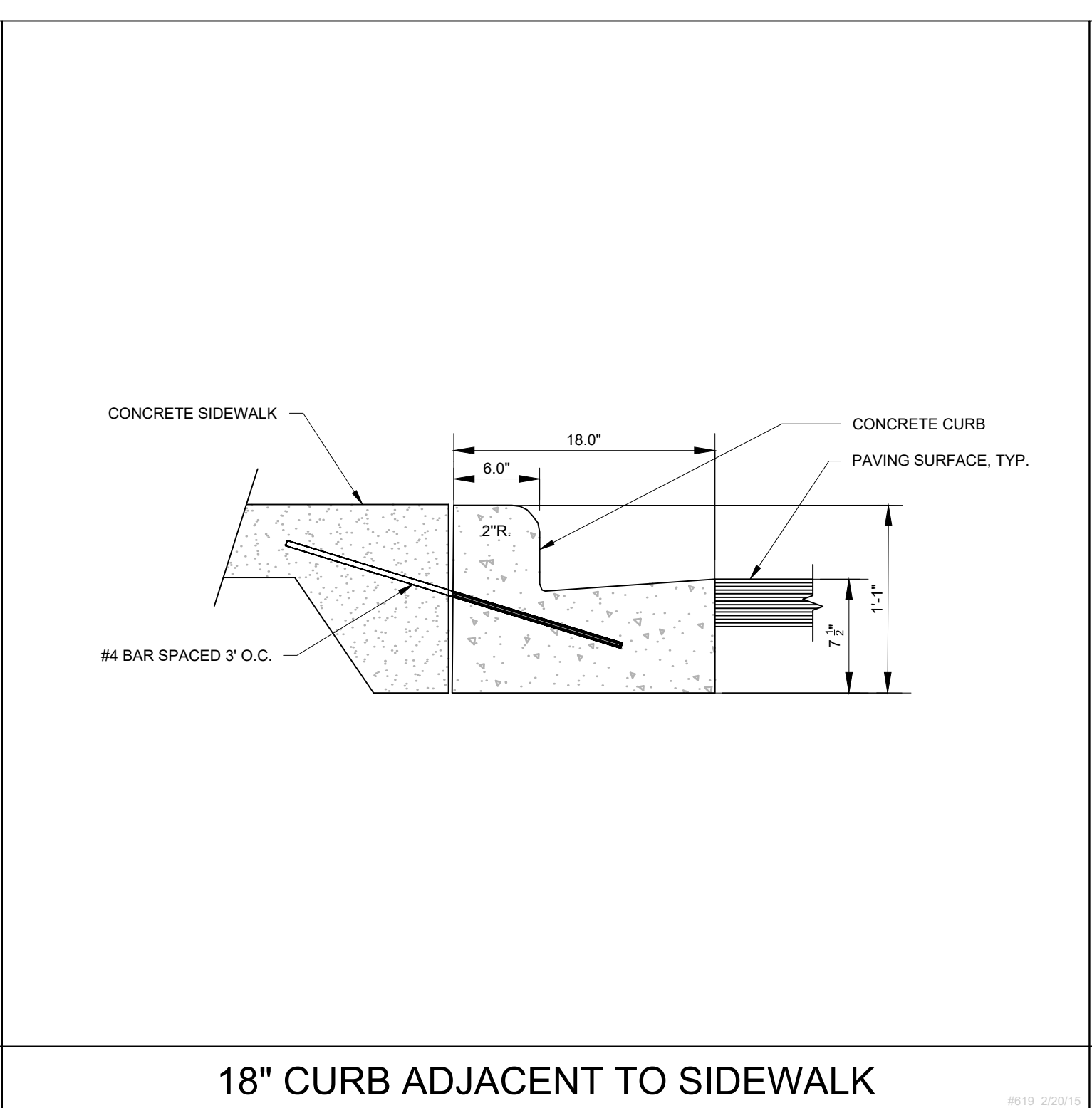
POND C OUTLET STRUCTURE



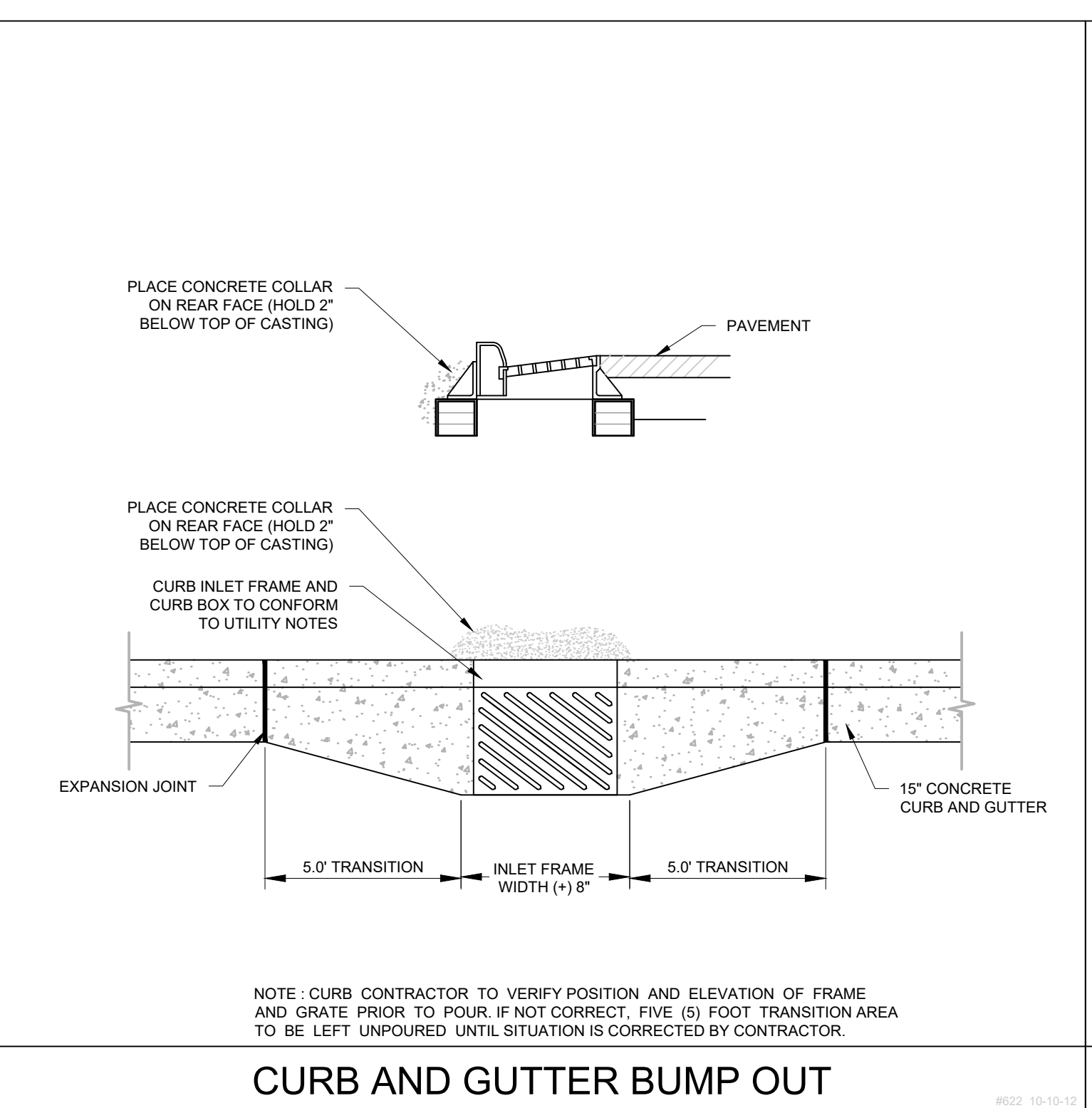
CONCRETE PAVEMENT



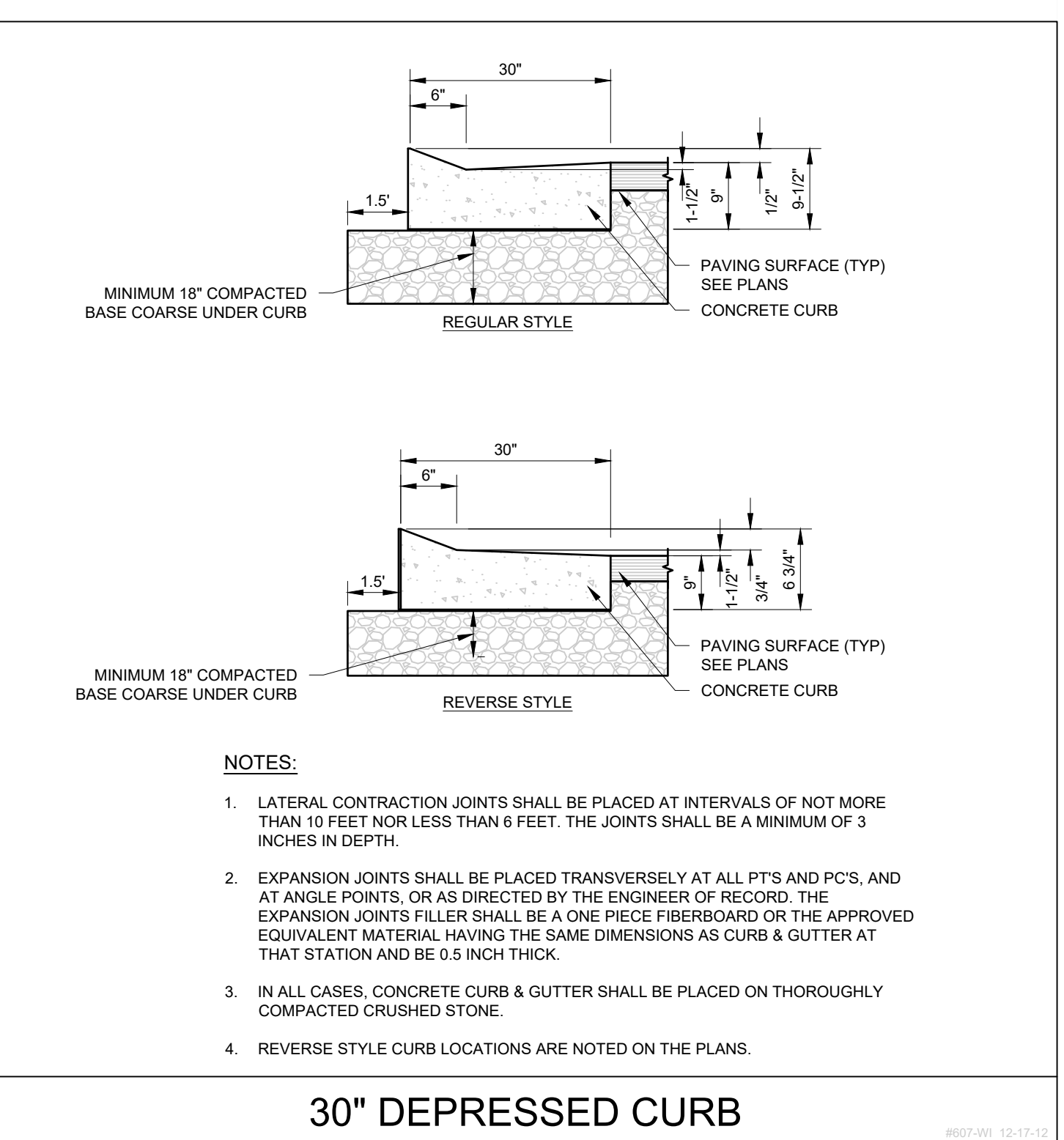
18" VERTICAL FACE CURB



18" CURB ADJACENT TO SIDEWALK



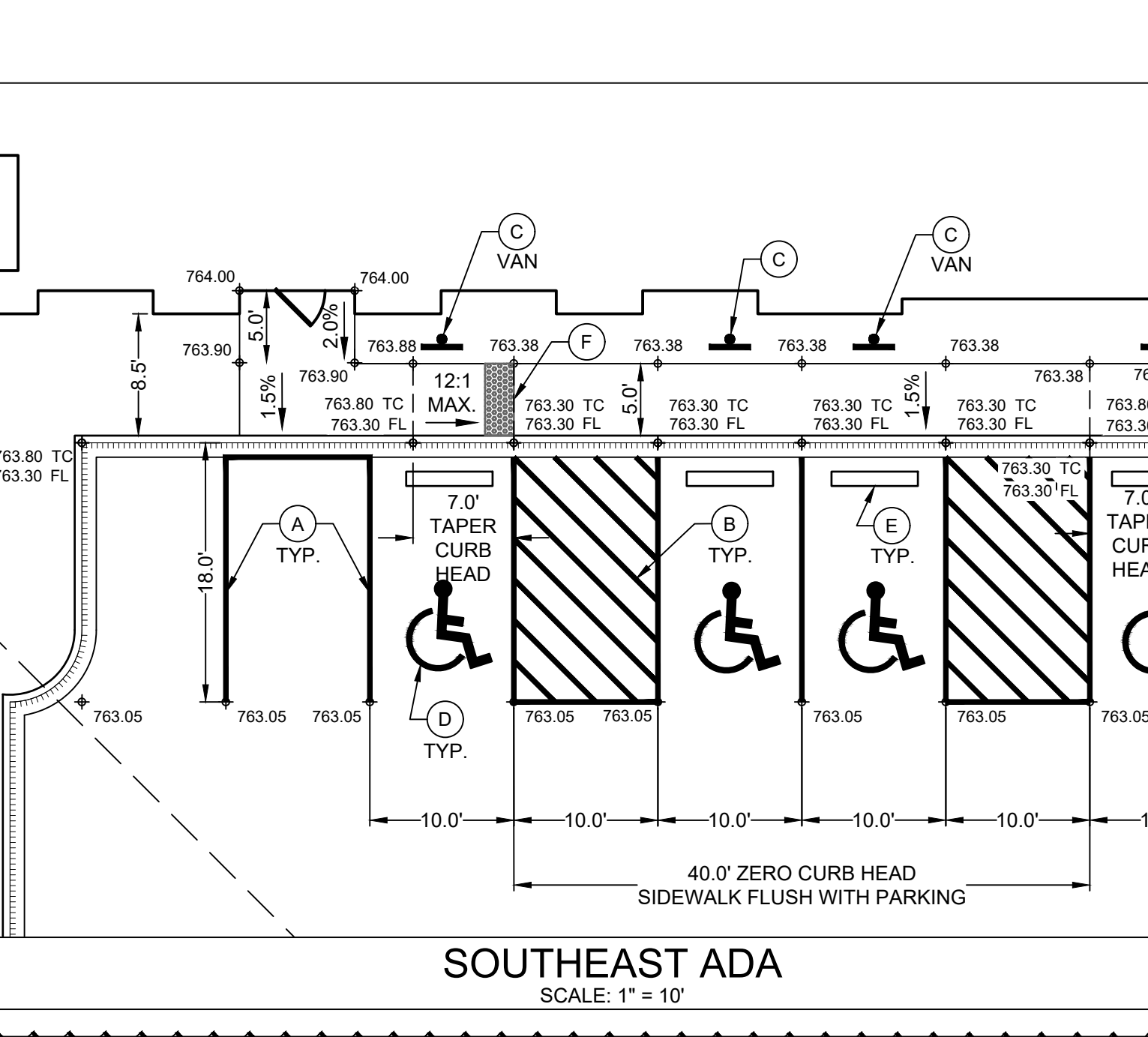
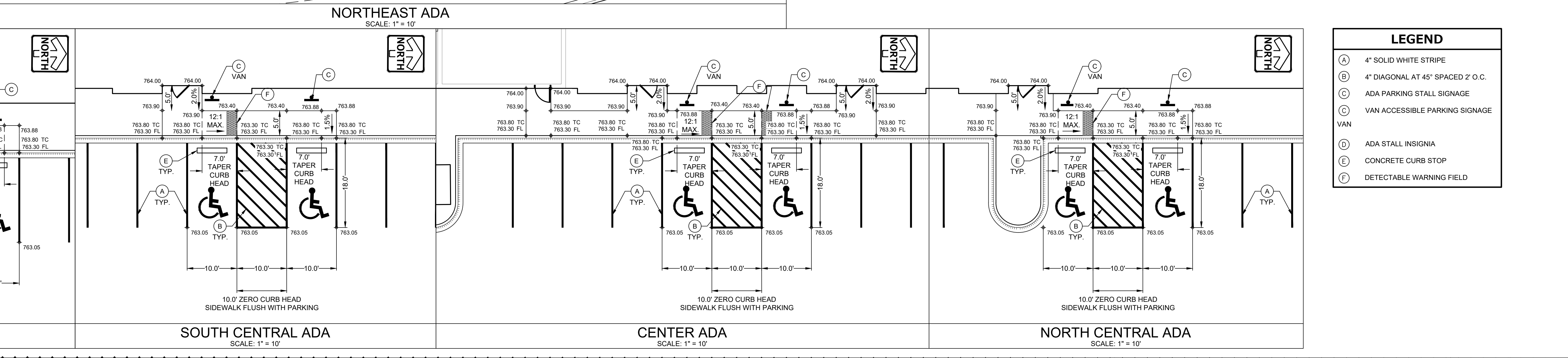
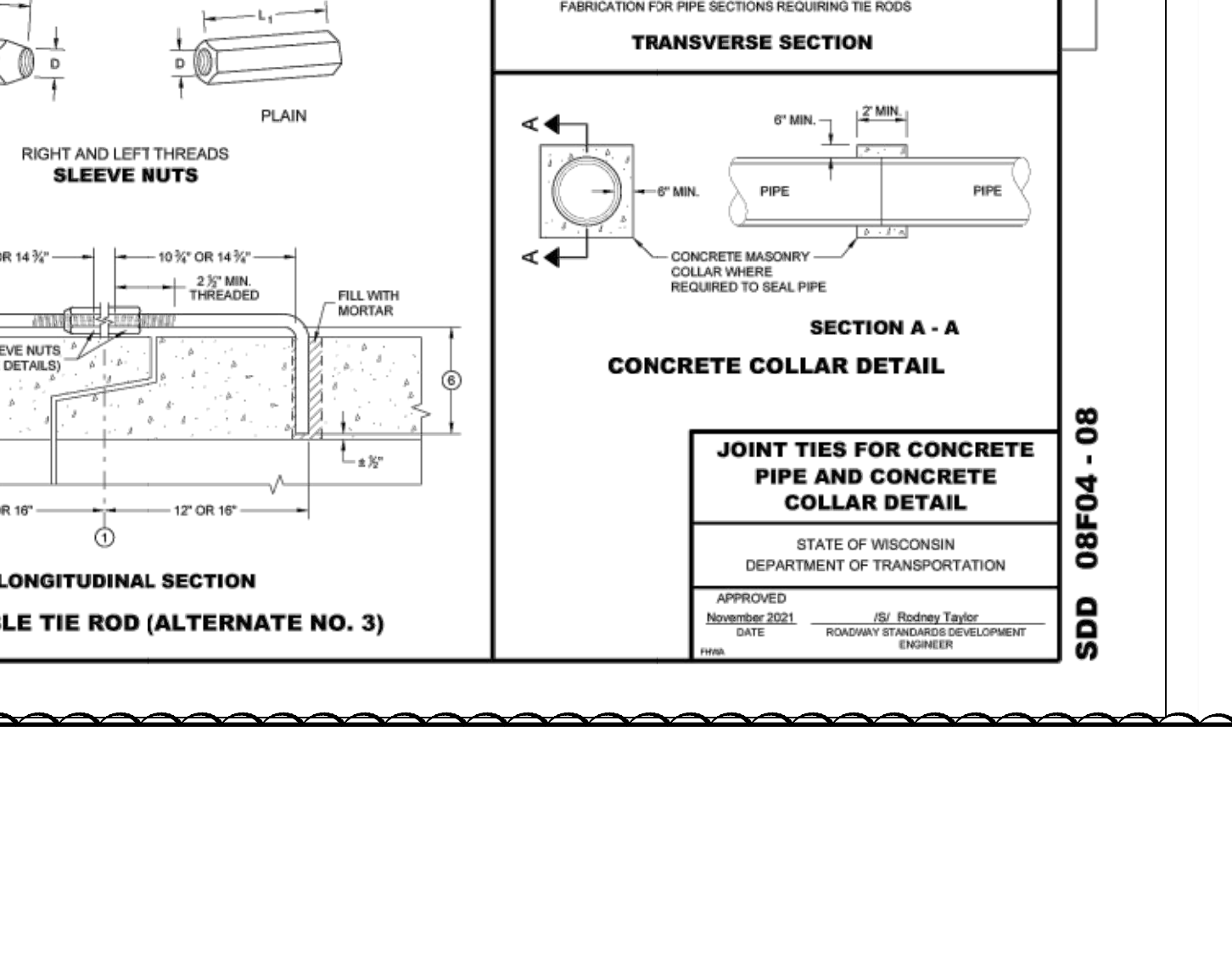
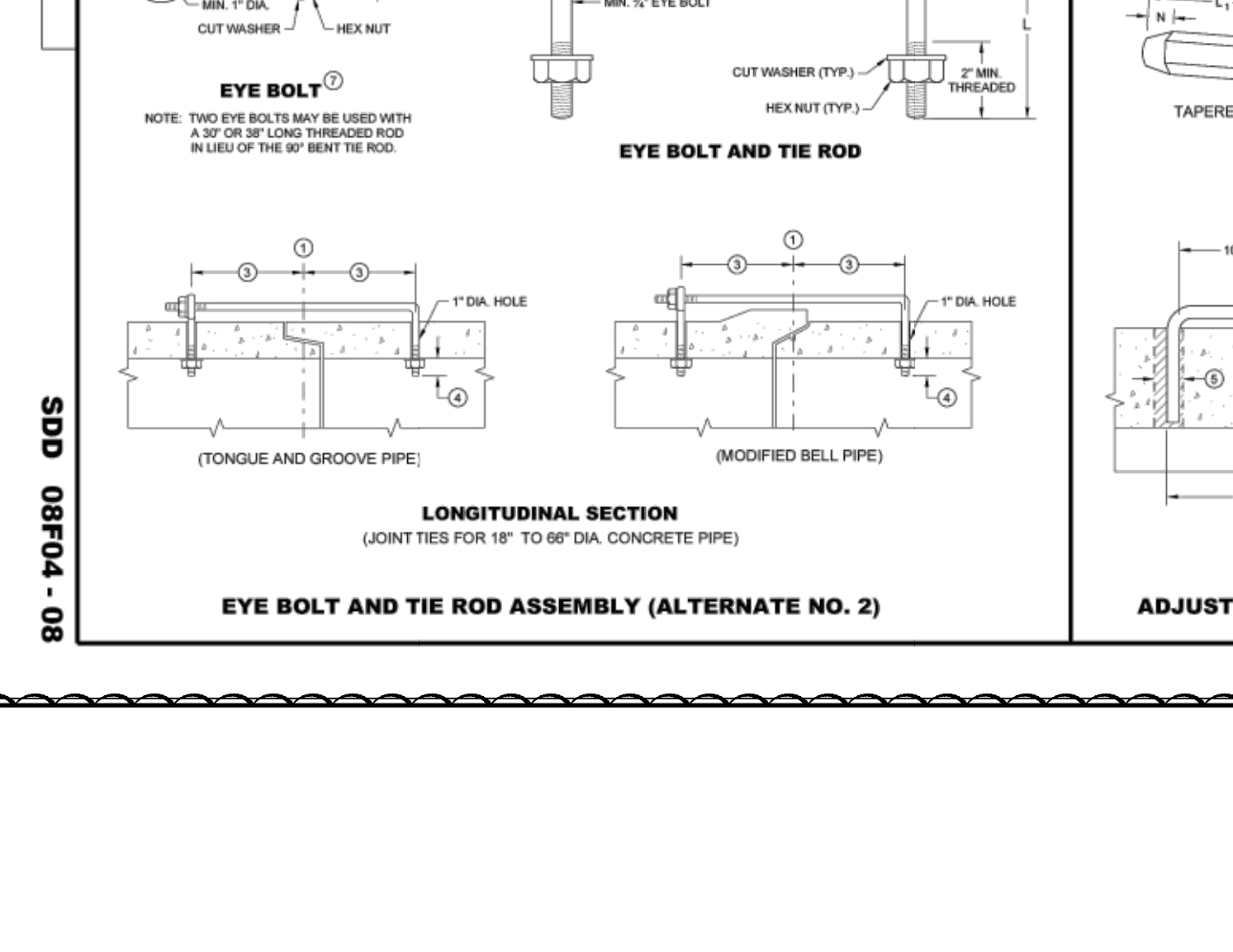
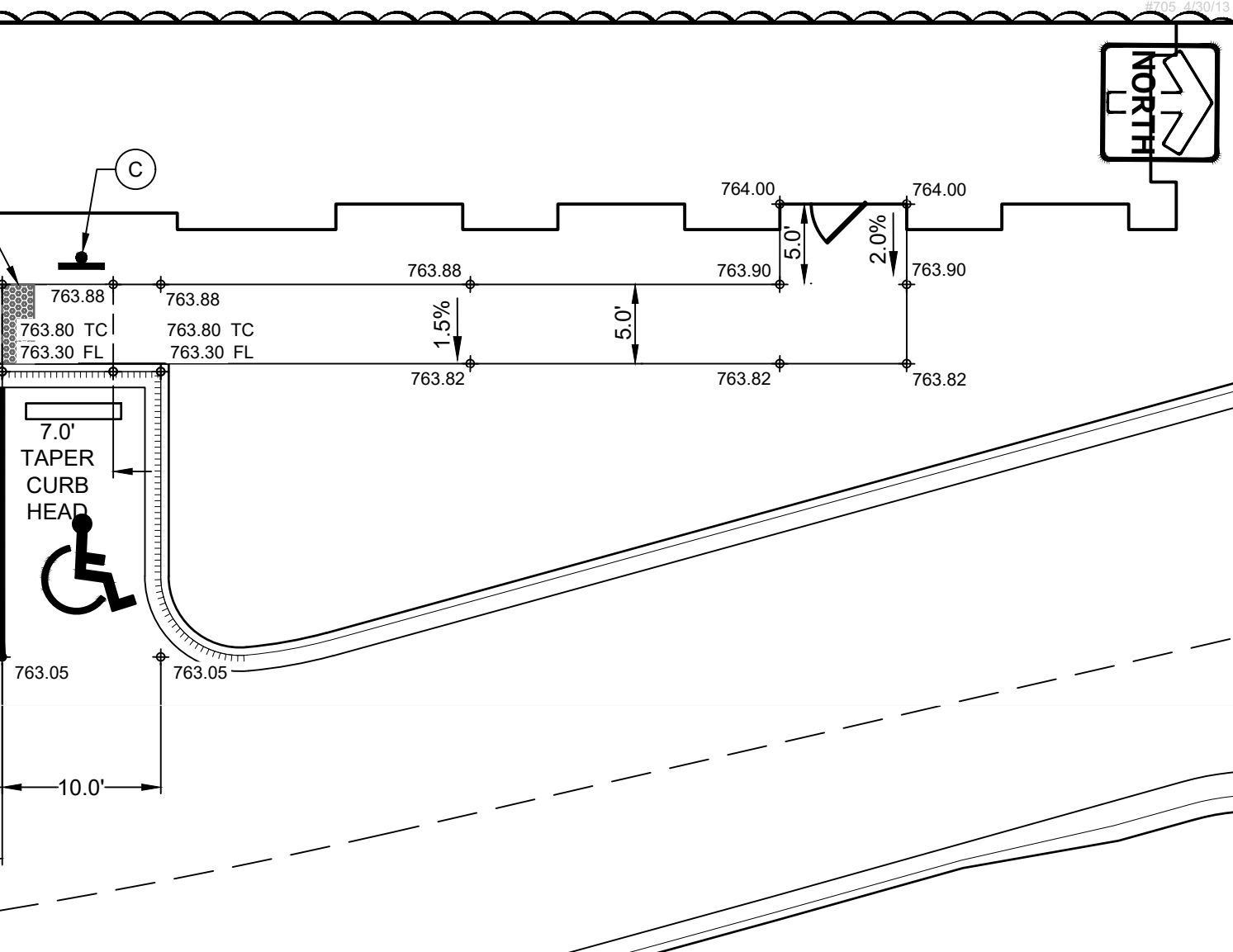
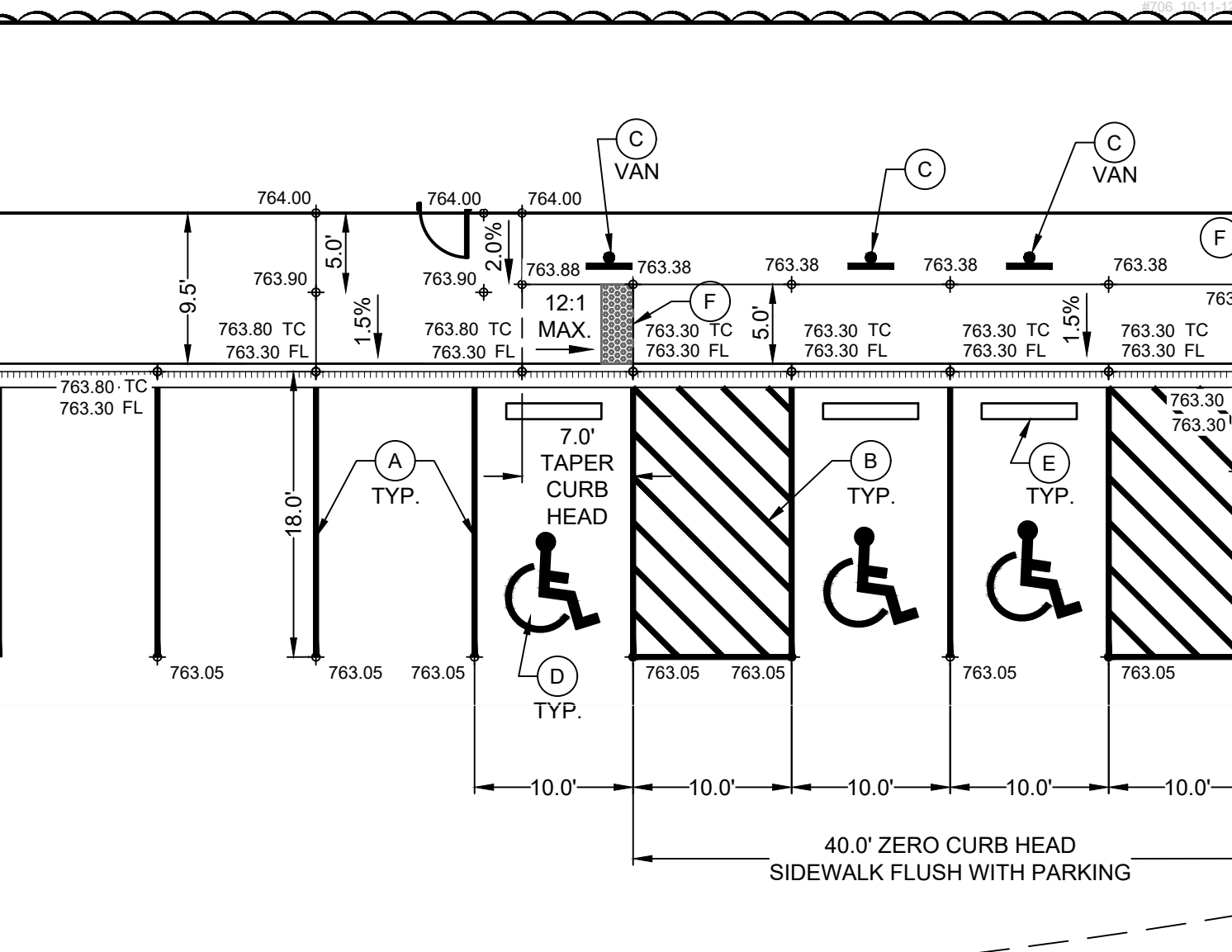
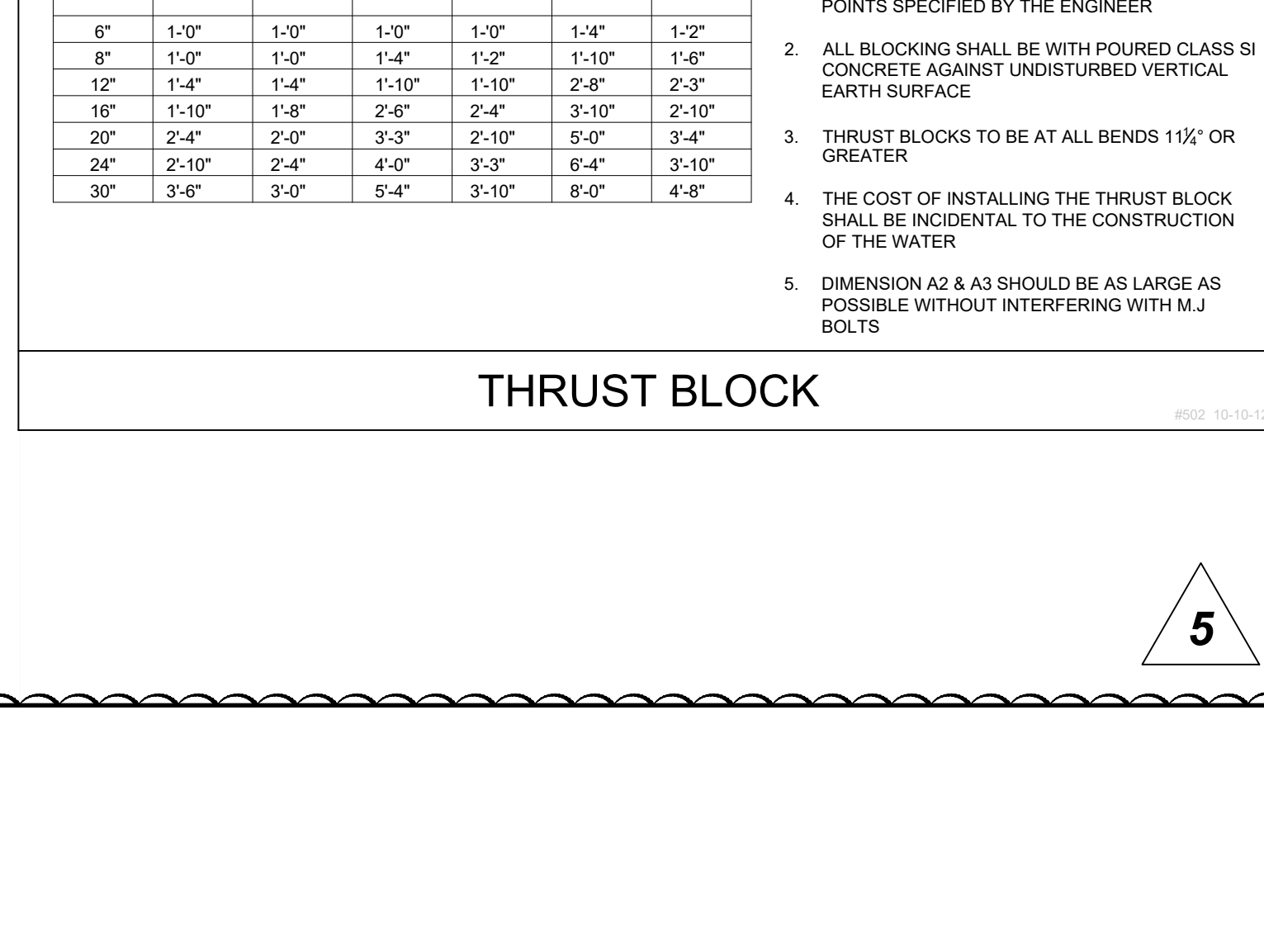
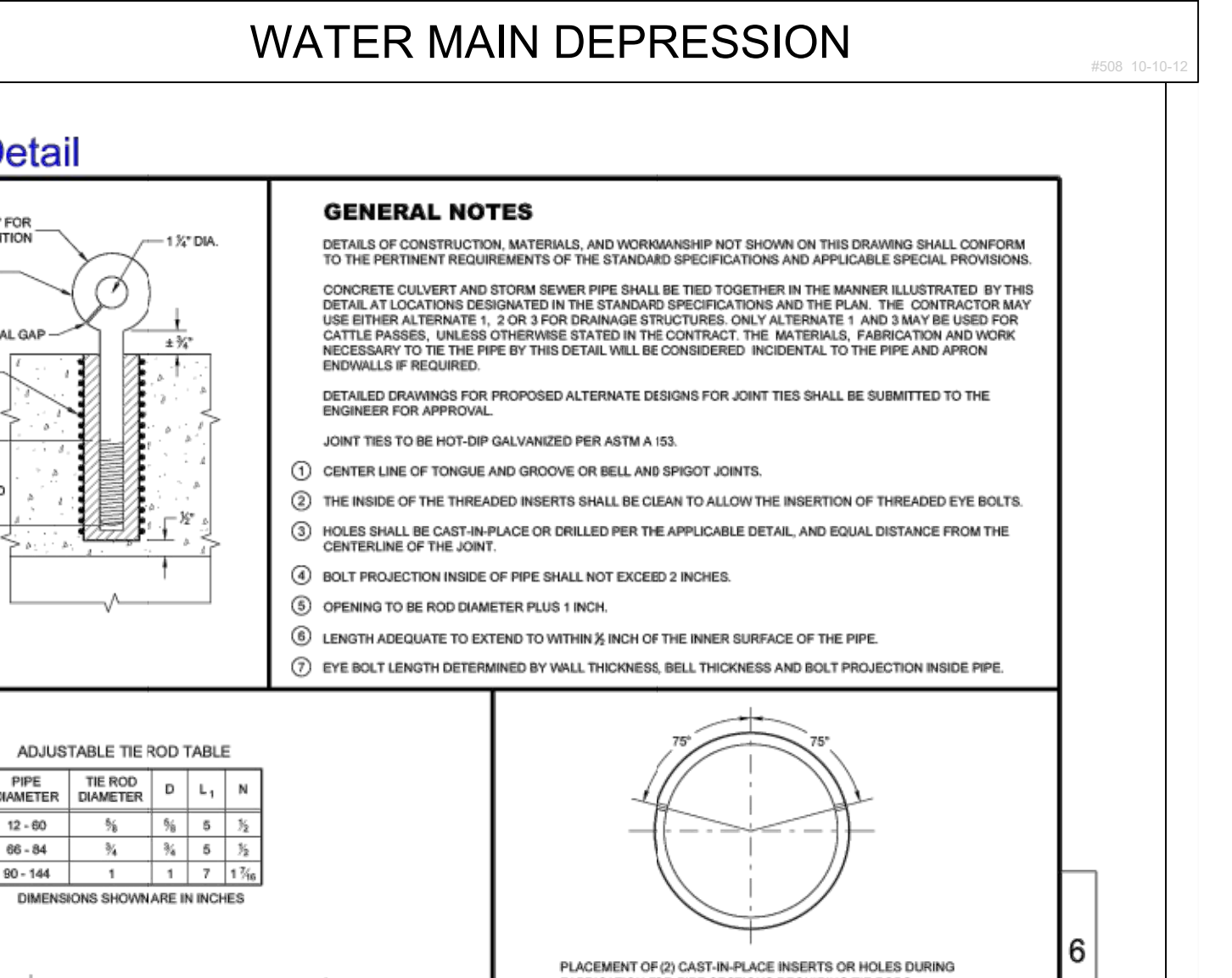
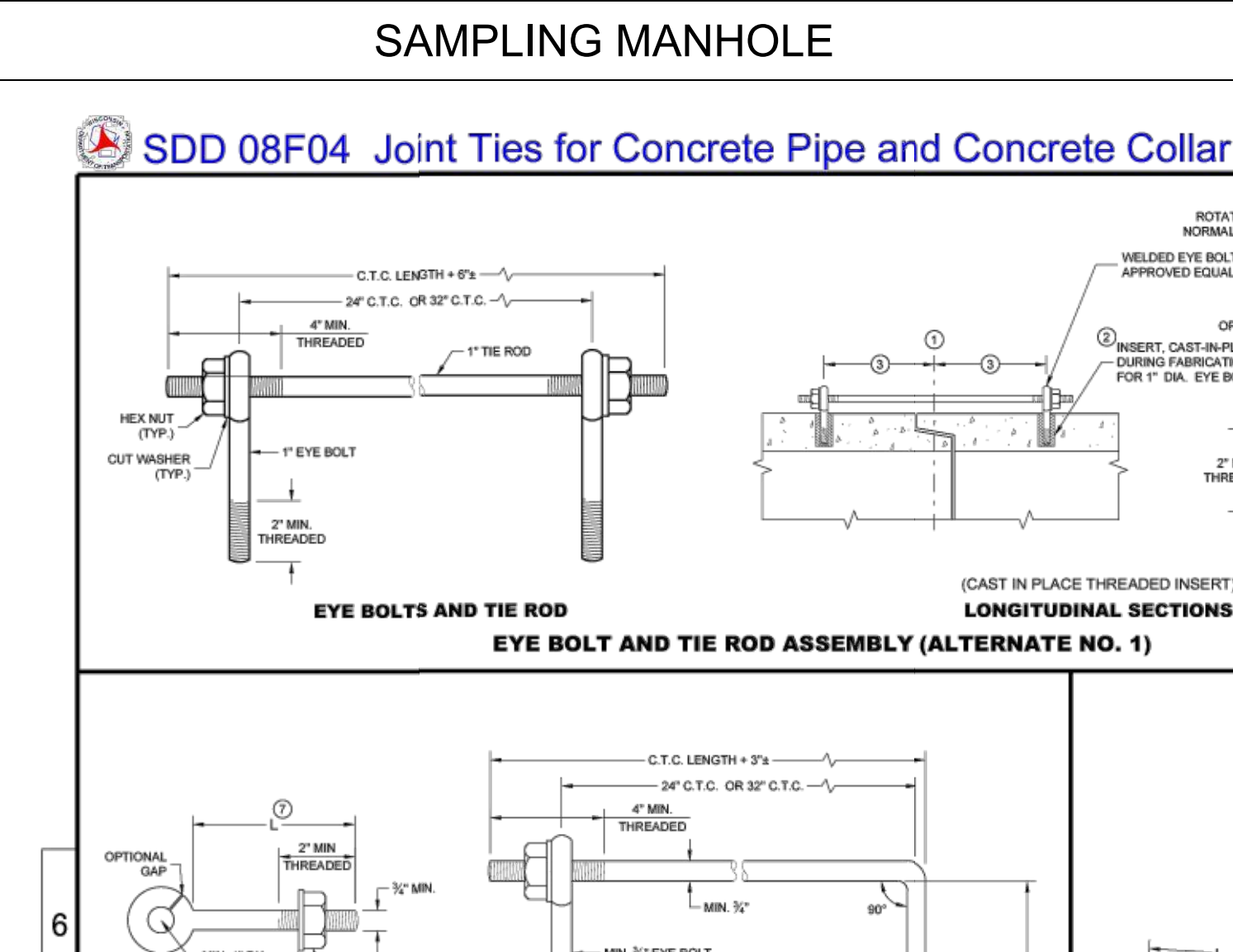
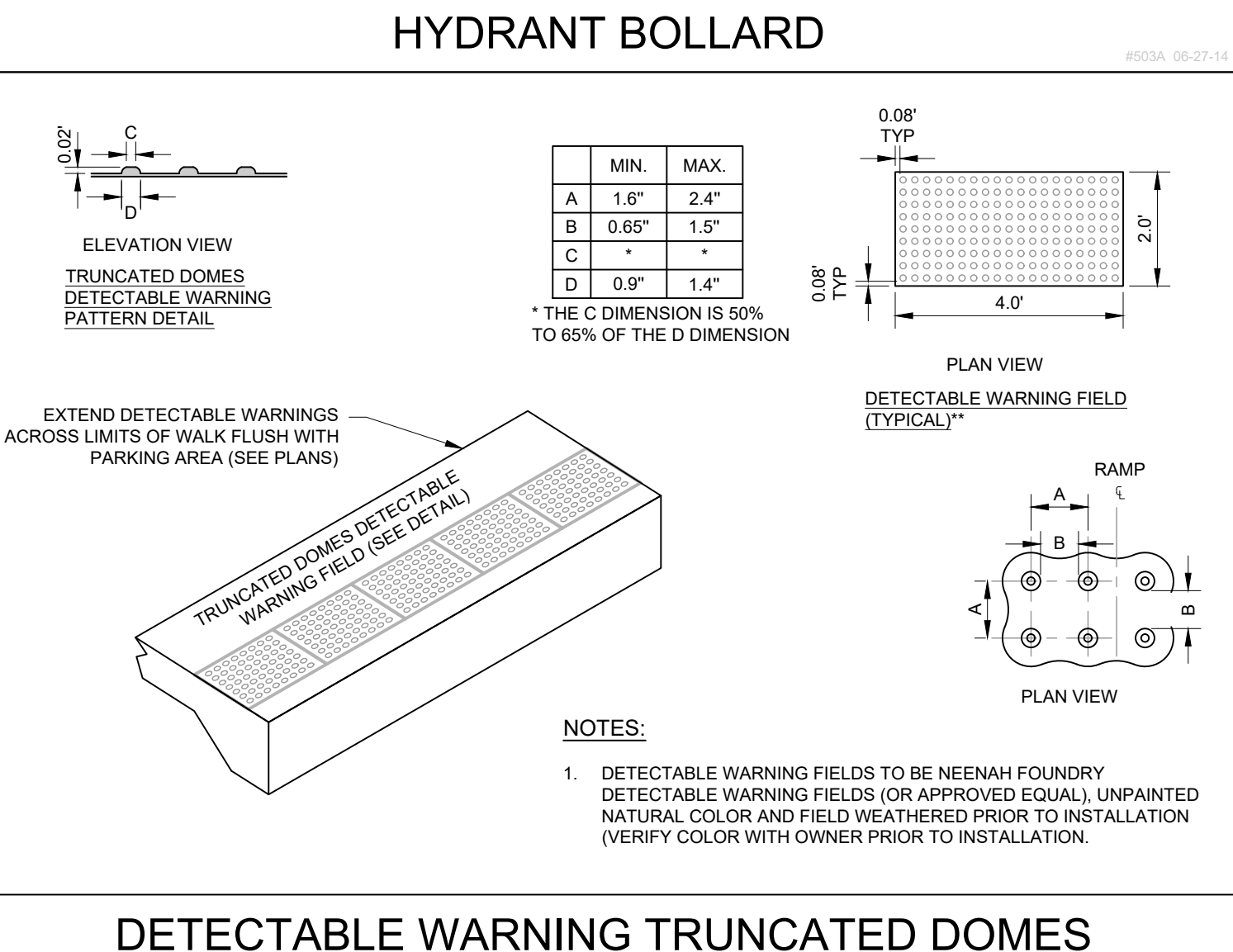
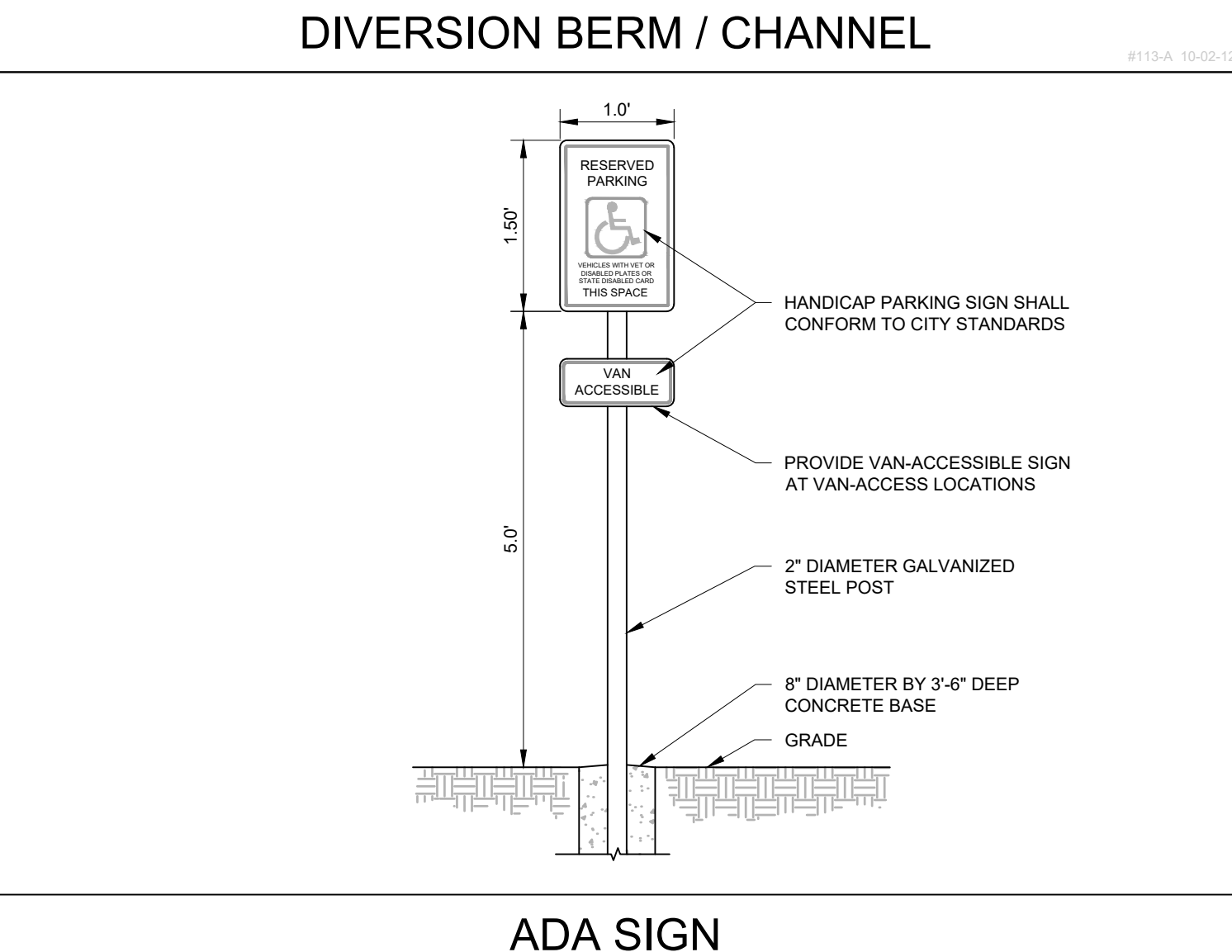
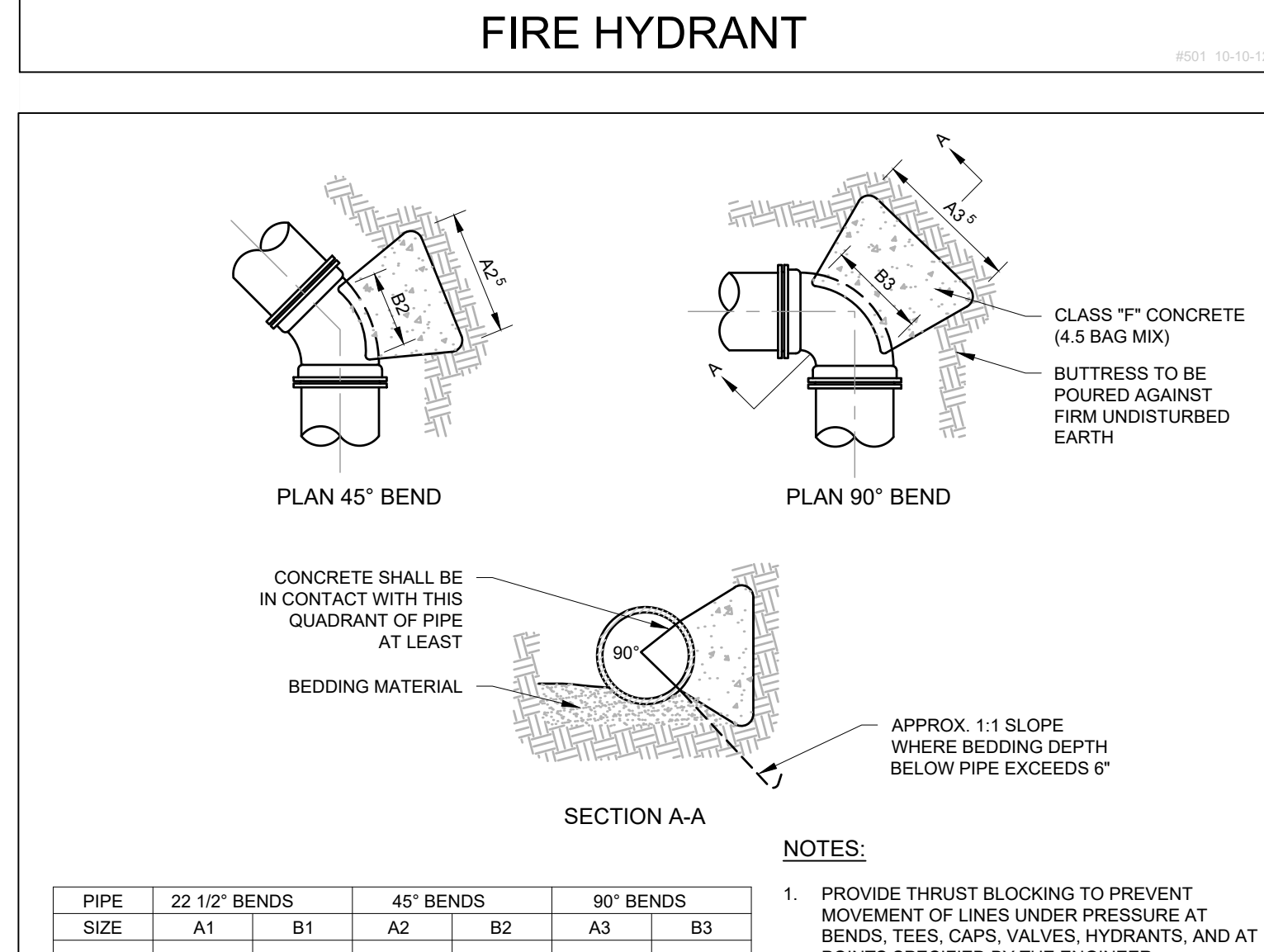
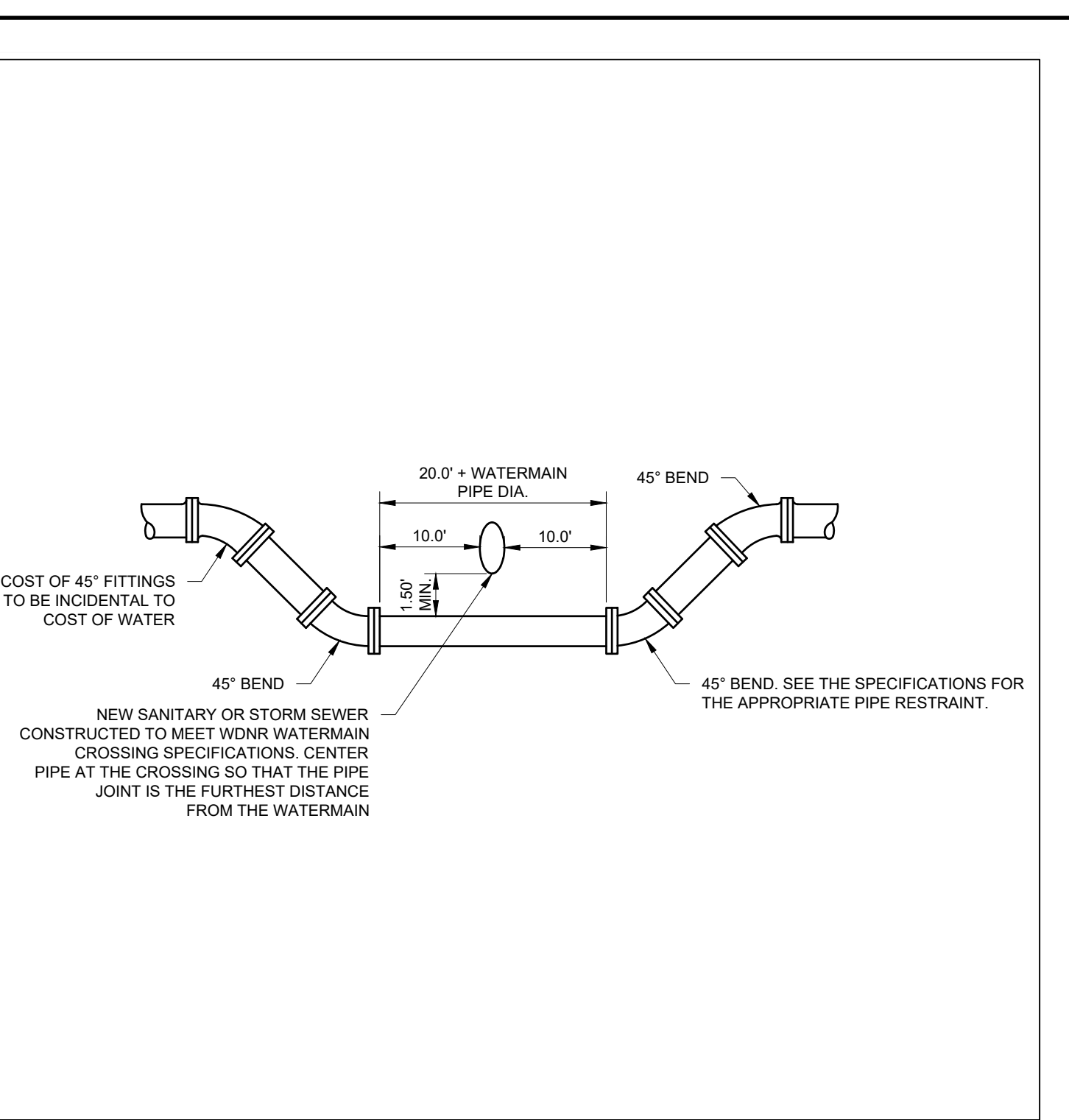
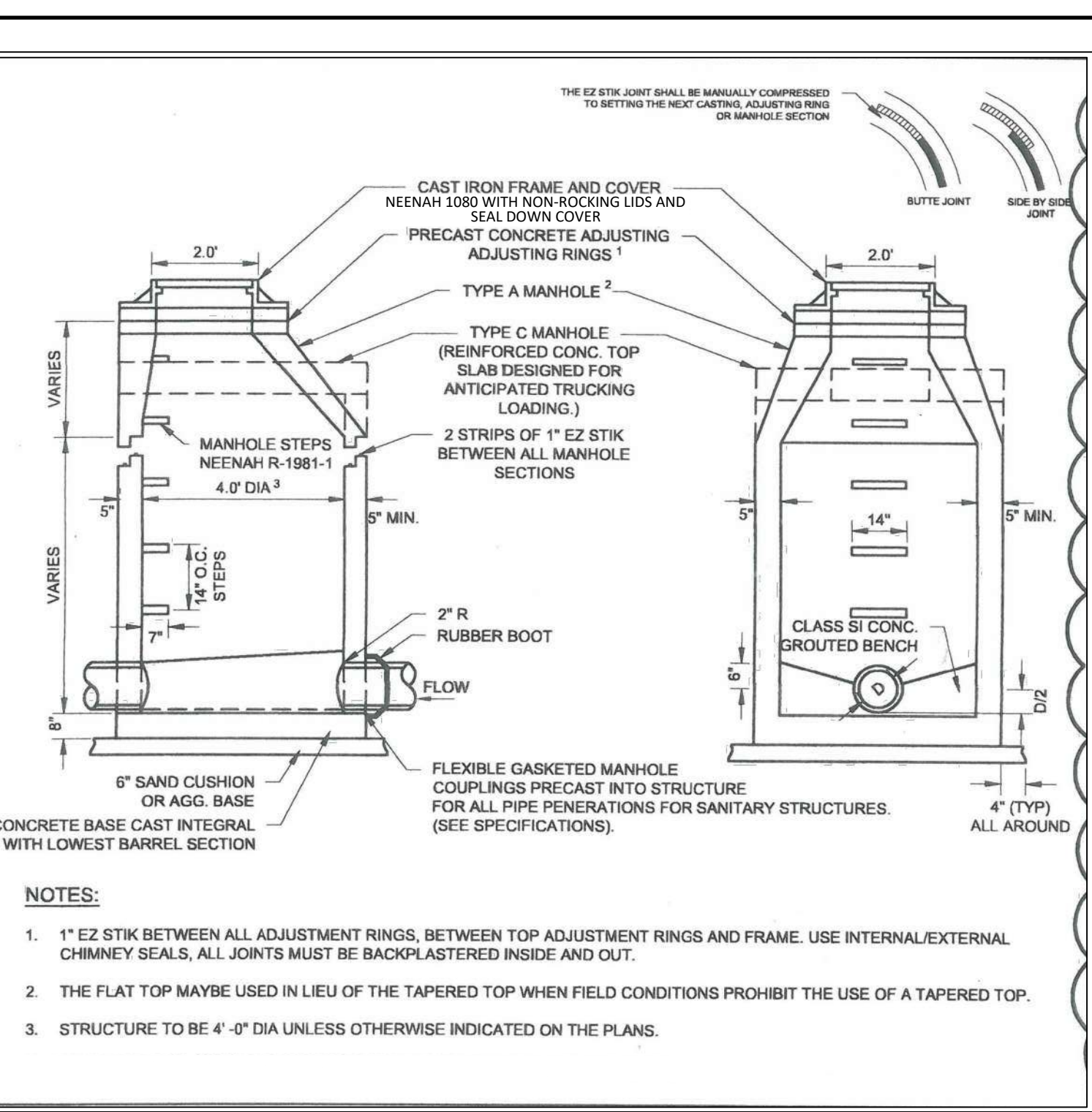
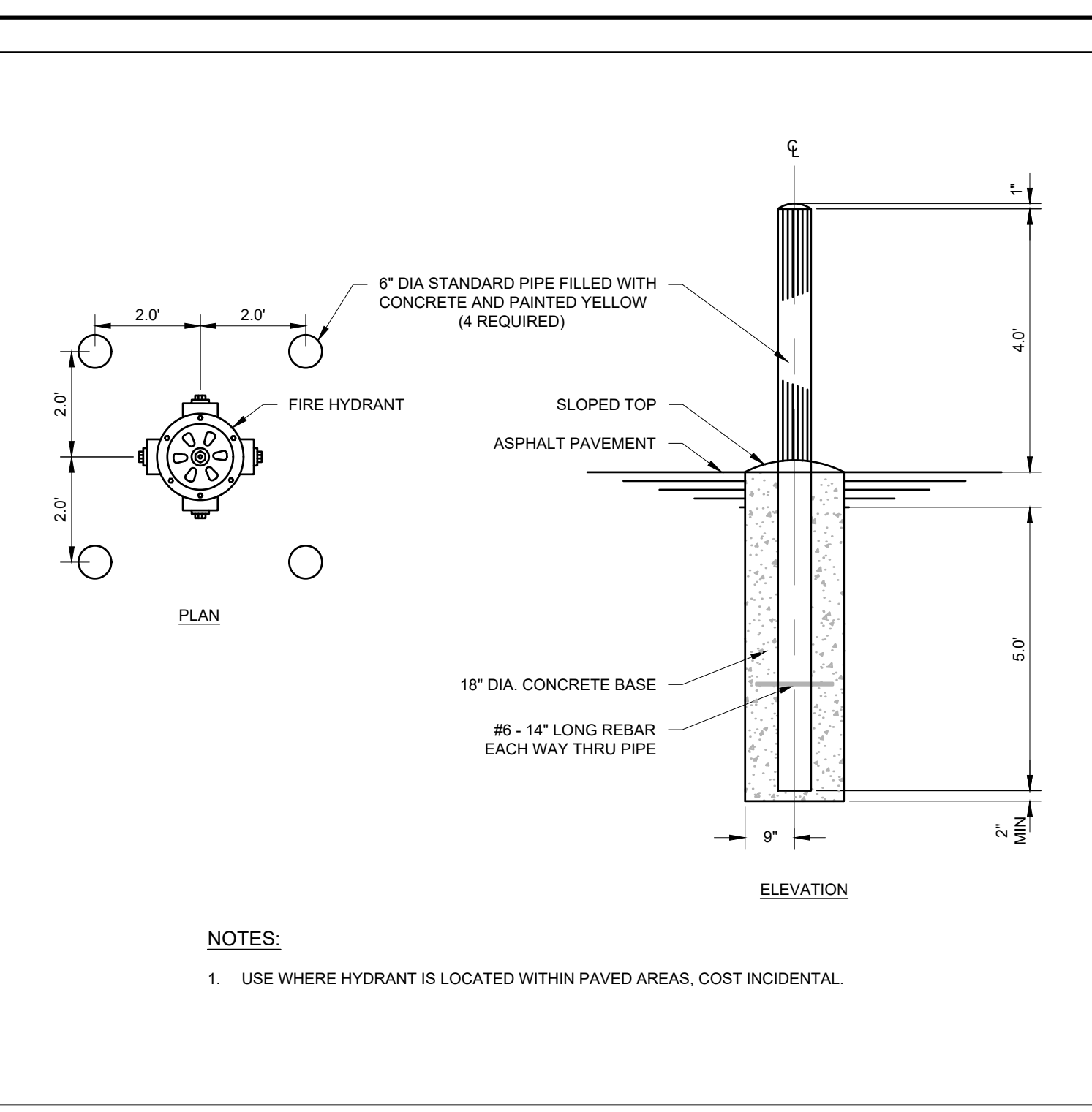
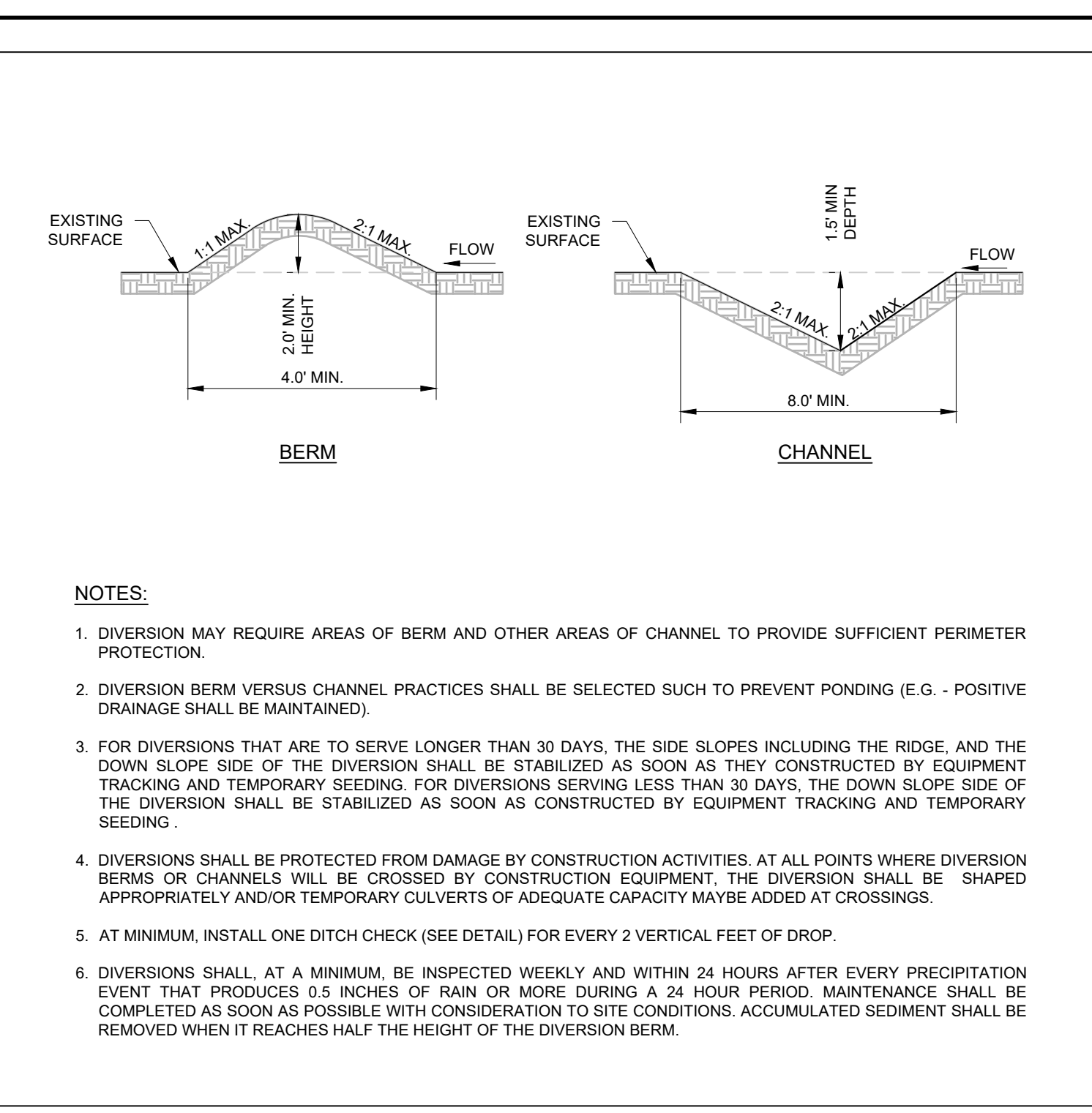
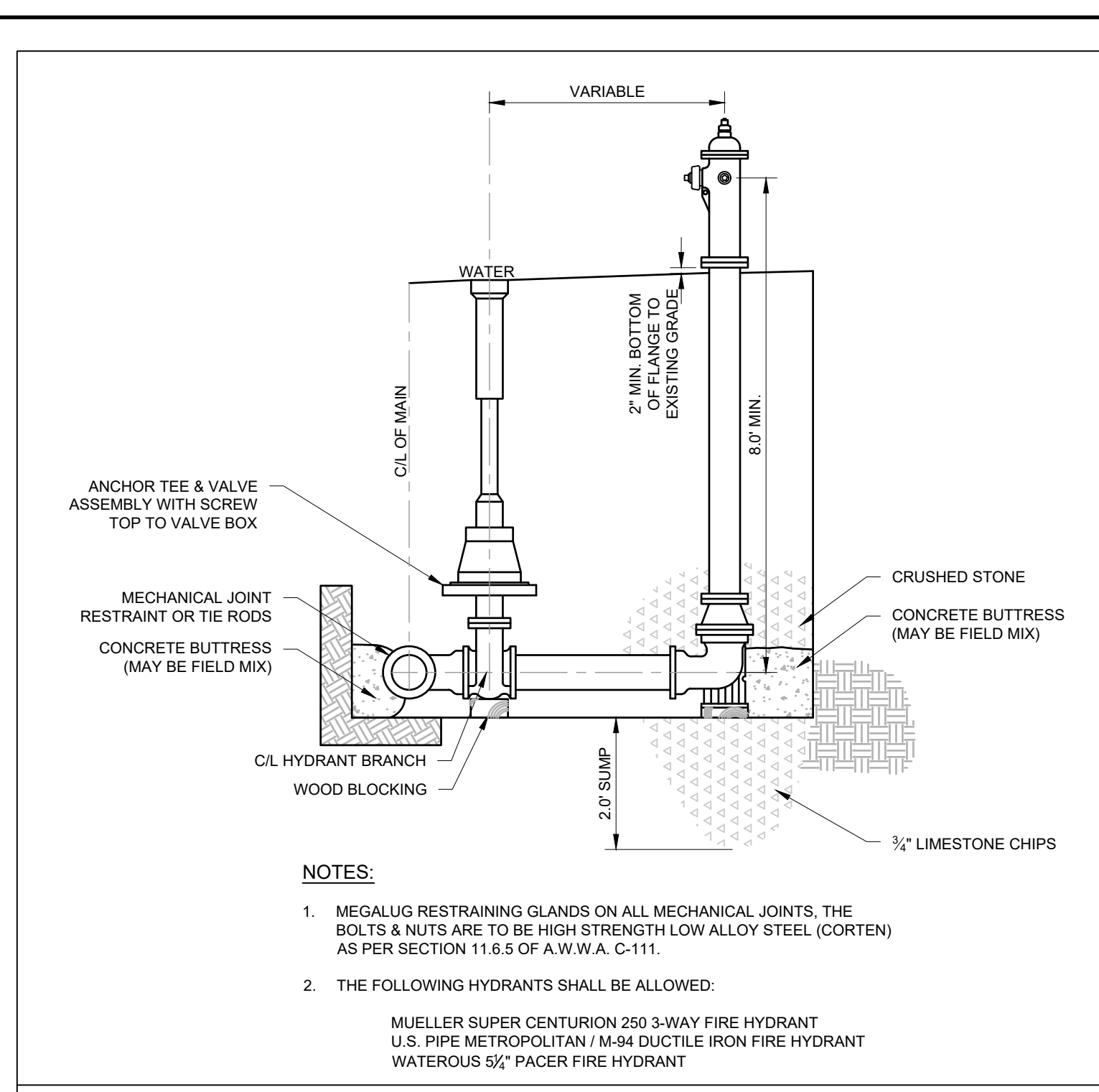
CURB AND GUTTER BUMP OUT



30" DEPRESSED CURB

CONSTRUCTION DETAILS

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PINNACLE ENGINEERING GROUP
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 (262) 754-8888
 CHICAGO | MILWAUKEE | NATIONWIDE

ZILBER C251
CALEDONIA, WI

CONSTRUCTION DETAILS

REVISIONS

1	VILLAGE BSO SUBMITTAL	02/09/26	5	ISSUED FOR CONSTRUCTION	05/19/26
2	VILLAGE BSO RESUBMITTAL	03/27/26			
3	ISSUED FOR BID	03/30/26			
4	VILLAGE COMMENTS / BID SET	04/22/26			

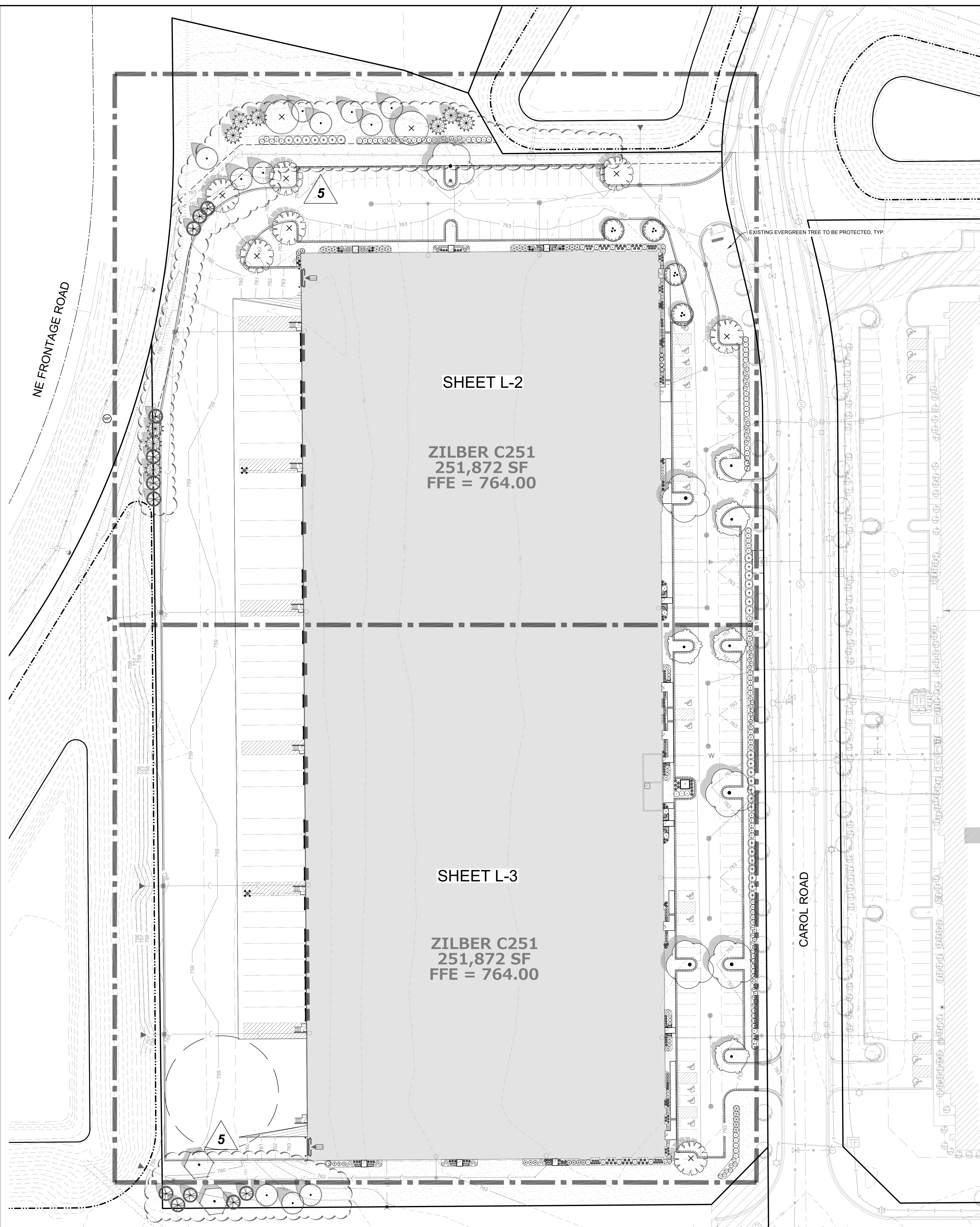
LEGEND

- (A) 4" SOLID WHITE STRIPE
- (B) 4" DIAGONAL AT 45° SPACED 2' O.C.
- (C) ADA PARKING STALL SIGNAGE
- (VAN) VAN ACCESSIBLE PARKING SIGNAGE
- (D) ADA STALL INSIGNIA
- (E) CONCRETE CURB STOP
- (F) DETECTABLE WARNING FIELD

SHEET C-17

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 DRAWN: SAT
 REVIEWED: DBR
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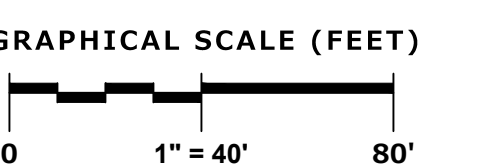
PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
DECIDUOUS TREES					
AFA2	7	Acer freemanii 'Autumn Fantasy'	Autumn Fantasy Maple	1.5' Cal.	50' T x 40' W
CCH2	2	Celtis occidentalis 'Chicagoland'	Chicagoland Hackberry	1.5' Cal.	50' T x 40' W
GTS2	5	Gleditsia triacanthos inermis 'Shademaster'	Shademaster Locust	1.5' Cal.	60' T x 50' W
TSS2	5	Tilia tomentosa 'Sterling'	Sterling Silver Linden	1.5' Cal.	45' T x 36' W
UFR2	2	Ulmus x 'Frontier'	Frontier Elm	1.5' Cal.	45' T x 30' W
EVERGREEN TREES					
ACF	11	Abies concolor	White Fir	5' Ht.	40' T x 23' W
PGW	9	Picea glauca	White Spruce	5' Ht.	50' T x 15' W
PGD	12	Picea glauca 'Densata'	Black Hills Spruce	5' Ht.	30' T x 15' W
ORNAMENTAL TREES					
AGA	4	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	1.25' Cal.	20' T x 20' W
SHRUBS					
CAF	12	Cornus stolonifera 'Arctic Fire'	Arctic Fire Dogwood	2 gal.	3' T x 3' W
HAA	4	Hydrangea arborescens 'Annabelle'	Annabelle Smooth Hydrangea	2 gal.	5' T x 5' W
HIS	12	Hydrangea arborescens 'NCHA1'	Invincibelle Spirit Hydrangea	2 gal.	4' T x 3' W
HVS	1	Hydrangea p 'Vanilla Strawberry'	Vanilla Strawberry Hydrangea	3 gal.	6' T x 5' W
HBO	27	Hydrangea paniculata 'Bobo'	Bobo Hydrangea	2 gal.	3' T x 4' W
WJ	4	Ilex verticillata 'Jim Dandy'	Jim Dandy Winterberry	3 gal.	5' T x 5' W
PDN	9	Physocarpus opulifolius 'Nanus'	Dwarf Ninebark	3 gal.	2' T x 3' W
RPP	4	Rosa rugosa 'Purple Pavement'	Purple Pavement Rugosa Rose	2 gal.	5' T x 4' W
SMP	3	Syringa meyeri 'Palbin'	Dwarf Korean Lilac	3 gal.	5' T x 5' W
EVERGREEN SHRUBS					
JSP	28	Juniperus chinensis 'J.N. Select Blue'	Star Power Juniper	4' Ht.	16' T x 8' W
JCS	83	Juniperus chinensis 'Sea Green'	Sea Green Juniper	3 gal.	5' T x 5' W
JT	7	Juniperus chinensis 'Trautman'	Trautman Juniper	4' Ht.	12' T x 4' W
PN2	6	Picea abies 'Nidiformis'	Nest Spruce	2 gal.	3' T x 5' W
PMS	19	Pinus mugo 'Slowmound'	Slowmound Mugo Pine	2 gal.	3' T x 3' W
TMD	17	Taxus x media 'Densaformis'	Dense Yew	3 gal.	5' T x 6' W
THI	10	Taxus x media 'Hicksii'	Hicks Yew	4' Ht.	10' T x 5' W
TG	4	Taxus x media 'SMINTHOB'	Stonehenge Dark Druid® Yew	3 gal.	4' T x 3' W
THH	69	Thuja occidentalis 'Holmstrup'	Holmstrup Cedar	4' Ht.	14' T x 4' W
TFC	6	Thuja occidentalis 'Congabe'	Fire Chief Arborvitae	2 gal.	2' T x 3' W
ORNAMENTAL GRASSES					
AGD	30	Andropogon gerardi 'Dancing Wind'	Dancing Wind Big Blue Stem	1 gal.	36" T x 30" W
CKF	71	Calamagrostis x a 'Karl Foerster'	Karl Foerster Reed Grass	1 gal.	36" T x 24" W
DS2	15	Deschampsia cespitosa 'Schottland'	Schottland Tufted Hair Grass	1 gal.	48" T x 30" W
MSO	40	Miscanthus sinensis 'Oktoberfest'	Oktoberfest Miscanthus	1 gal.	48" T x 36" W
PNW	48	Panicum virgatum 'Northwind'	Northwind Switch Grass	1 gal.	42" T x 28" W
PERENNIALS					
ASB	16	Allium x 'Summer Beauty'	Summer Beauty Allium	4.5' cont.	20" o.c. 18" T x 18" W
BJF	20	Brunnera macrophylla 'Jack Frost'	Jack Frost Brunnera	4.5' cont.	15" o.c. 15" T x 15" W
CVZ	27	Coreopsis verticillata 'Zagreb'	Zagreb Coreopsis	4.5' cont.	14" o.c. 20" T x 16" W
GBC	14	Geranium x cantabrigiense 'Blokovo Carmina'	Blokovo Carmina Cranesbill	4.5' cont.	22" o.c. 12" T x 18" W
HPP	41	Heuchera m 'Palace Purple'	Palace Purple Coral Bells	4.5' cont.	18" o.c. 18" T x 18" W
HW	6	Hosta x 'Wheels'	Shadowland® Wheel Hosta	1 gal.	28" o.c. 24" T x 30" W
NPB	24	Nepeta x faassenii 'Pursian Blue'	Pursian Blue Catmint	4.5' cont.	20" o.c. 14" T x 24" W
SMN	25	Salvia nemorosa 'May Night'	May Night Sage	4.5' cont.	18" o.c. 18" T x 18" W
GROUND COVERS					
	95,721 sf	Turf	Reinders - Cadet 70/30 Fescue/Blue Mix		

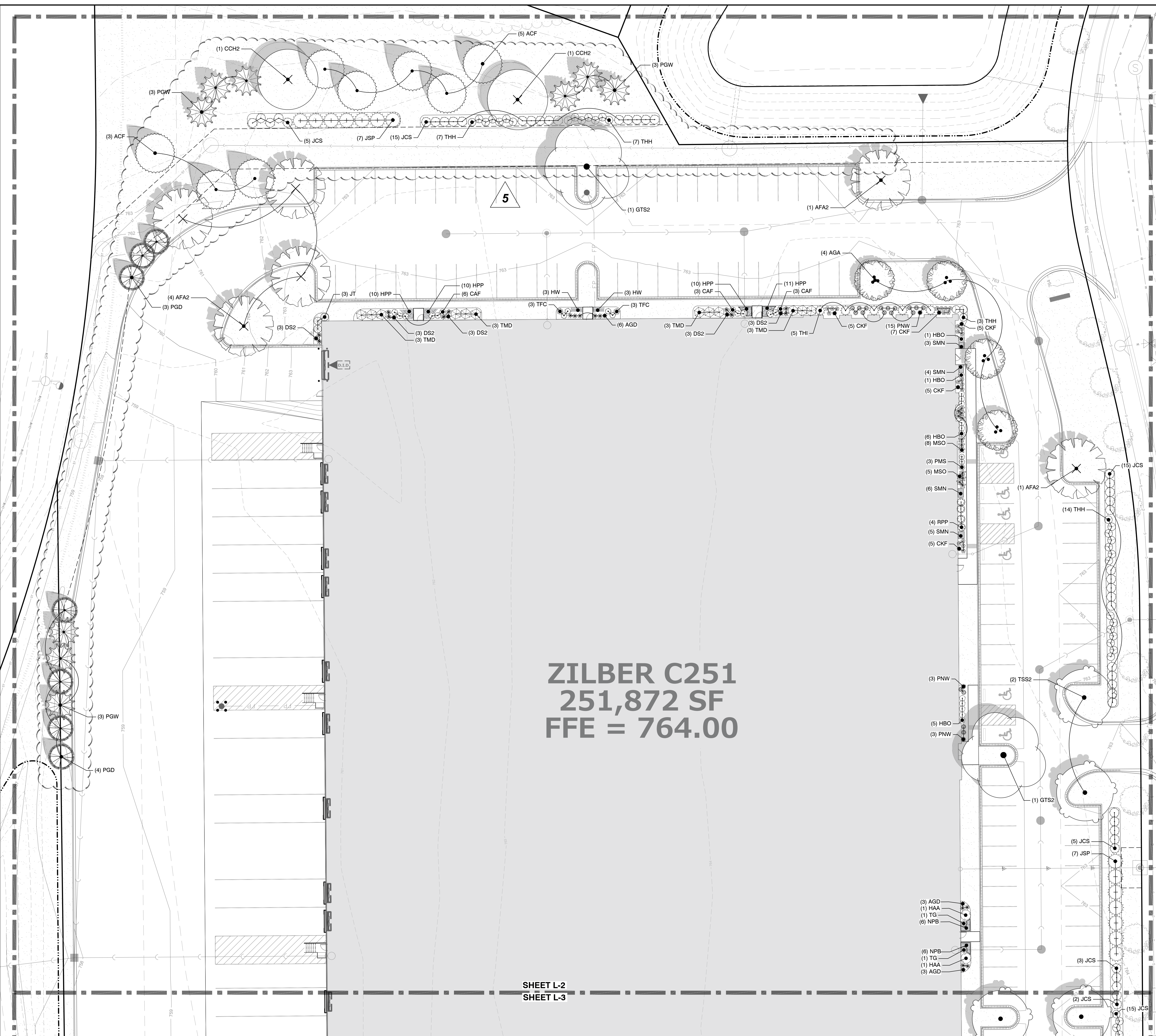
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 LANDSCAPE OVERVIEW

REVISIONS

1. VILLAGE BSO SUBMITTAL	02/09/26	5. ISSUED FOR CONSTRUCTION	05/19/26
2. VILLAGE BSO RESUBMITTAL	03/27/26		
3. ISSUED FOR BID	03/30/26		
4. VILLAGE COMMENTS / BID SET	04/22/26		



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ZILBER C251
251,872 SF
FFE = 764.00

SHEET L-2
 SHEET L-3

PLANT KEY		
CODE	BOTANICAL NAME	COMMON NAME
DECIDUOUS TREES		
AFA2	Acer freemanii 'Autumn Fantasy'	Autumn Fantasy Maple
CCH2	Celtis occidentalis 'Chicago Gold'	Chicago Gold Hackberry
GTS2	Gleditsia triacanthos inermis 'Shademaster'	Shademaster Locust
TSS2	Tilia tomentosa 'Sterling'	Sterling Silver Linden
UFR2	Ulmus x 'Frontier'	Frontier Elm
EVERGREEN TREES		
ACF	Abies concolor	White Fir
PGW	Picea glauca	White Spruce
PGD	Picea glauca 'Densata'	Black Hills Spruce
ORNAMENTAL TREES		
AGA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry
SHRUBS		
CAF	Cornus stolonifera 'Arctic Fire'	Arctic Fire Dogwood
HAA	Hydrangea arborescens 'Annabelle'	Annabelle Smooth Hydrangea
HIS	Hydrangea arborescens 'NCHA1'	Invincible Spirit Hydrangea
HVS	Hydrangea p 'Vanilla Strawberry'	Vanilla Strawberry Hydrangea
HBO	Hydrangea paniculata 'Bobo'	Bobo Hydrangea
IVJ	Ilex verticillata 'Jim Dandy'	Jim Dandy Winterberry
PDN	Physocarpus opulifolius 'Nanus'	Dwarf Ninebark
RPP	Rosa rugosa 'Purple Pavement'	Purple Pavement Rugosa Rose
SMP	Syringa meyeri 'Palibin'	Dwarf Korean Lilac
EVERGREEN SHRUBS		
JSP	Juniperus chinensis 'J.N. Select Blue'	Star Power Juniper
JCS	Juniperus chinensis 'Sea Green'	Sea Green Juniper
JT	Juniperus chinensis 'Trautman'	Trautman Juniper
PN2	Picea abies 'Nidiformis'	Nest Spruce
PMS	Pinus mugo 'Slowmound'	Slowmound Mugo Pine
TMD	Taxus x media 'Densiformis'	Dense Yew
THI	Taxus x media 'Hicksii'	Hicks Yew
TG	Taxus x media 'SMNTHDB'	Stonehenge Dark Druid® Yew
THH	Thuja occidentalis 'Holmstrup'	Holmstrup Cedar
TFC	Thuja occidentalis 'Congabe'	Fire Chief Arborvitae
ORNAMENTAL GRASSES		
AGD	Andropogon gerardii 'Dancing Wind'	Dancing Wind Big Blue Stem
CKF	Calamagrostis x a 'Karl Foerster'	Karl Foerster Reed Grass
DS2	Deschampsia cespitosa 'Schottland'	Schottland Tufted Hair Grass
MSO	Miscanthus sinensis 'Oktoberfest'	Oktoberfest Miscanthus
PNW	Panicum virgatum 'Northwind'	Northwind Switch Grass
PERENNIALS		
ASB	Allium x 'Summer Beauty'	Summer Beauty Allium
BJF	Brunnera macrophylla 'Jack Frost'	Jack Frost Brunnera
CVZ	Coreopsis verticillata 'Zagreb'	Zagreb Coreopsis
GBC	Geranium x cantabrigiense 'Blokovo Carmina'	Blokovo Carmina Cranesbill
HPP	Heuchera m 'Palace Purple'	Palace Purple Coral Bells
HW	Hosta x 'Wheel'	Shadowland® Wheel Hosta
NPB	Nepeta x fassenii 'Purrsian Blue'	Purrsian Blue Catmint
SMN	Salvia nemorosa 'May Night'	May Night Sage
SYMBOL BOTANICAL NAME COMMON NAME		
GROUND COVERS		
	Turf	Reinders - Cadet 70/90 Fescue/Blue Mix



GRAPHICAL SCALE (FEET)
 0 1" = 20' 40'

PLAN | DESIGN | DELIVER
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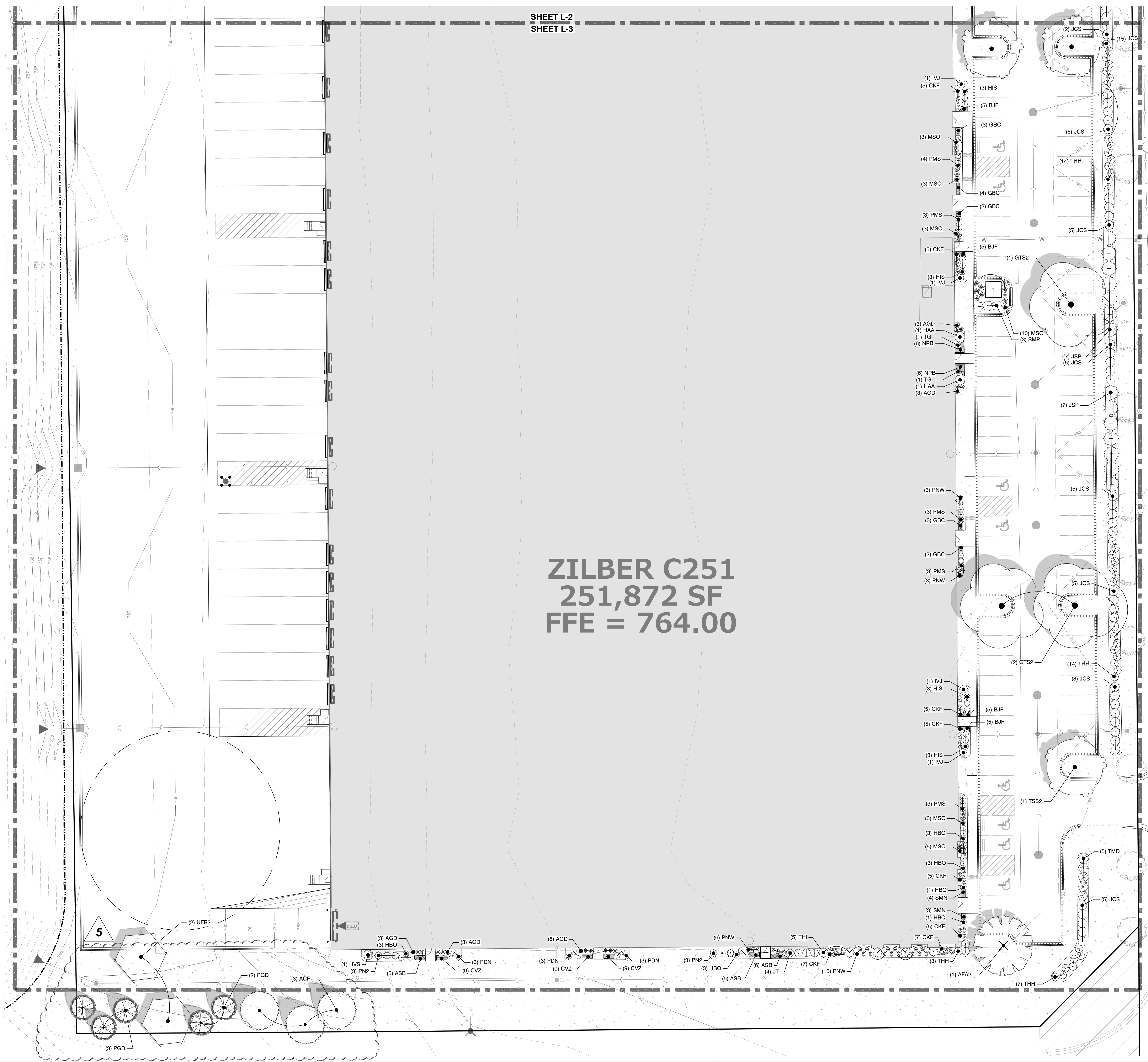
LANDSCAPE ENLARGEMENT

REVISIONS		DATE	BY	SCALE	SHEET
NO.	DESCRIPTION				
1	VILLAGE BSO SUBMITTAL	02/09/26	JLJ	1" = 20'	L-2
2	VILLAGE BSO RESUBMITTAL	03/27/26	JLJ	1" = 20'	L-2
3	ISSUED FOR BID	03/30/26	JLJ	1" = 20'	L-2
4	VILLAGE COMMENTS / BID SET	04/22/26	JLJ	1" = 20'	L-2
5	ISSUED FOR CONSTRUCTION	05/19/26	JLJ	1" = 20'	L-2

PROJECT NO. 1912.40-WI
 PLAN DATE: 02/09/26
 SCALE: 1" = 20'

www.pinnacle-engr.com LANDSCAPE ENLARGEMENT

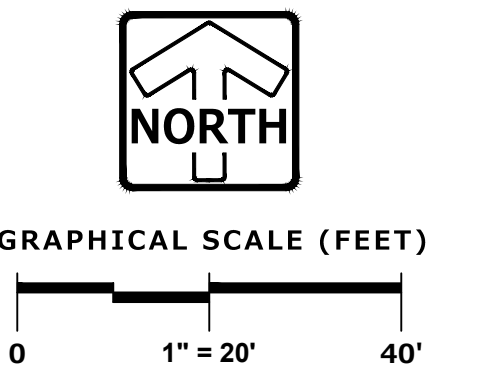
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 DRAFTED: SAT
 REVIEWED: DIB
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SHEET L-2
SHEET L-3

ZILBER C251
251,872 SF
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CODE	BOTANICAL NAME	COMMON NAME
DECIDUOUS TREES		
AFA2	Acer freemanii 'Autumn Fantasy'	Autumn Fantasy Maple
CCH2	Celtis occidentalis 'Chicagoland'	Chicagoland Hackberry
GTS2	Gladiolus triacanthos 'Inermis' 'Shademaster'	Shademaster Locust
TSS2	Tilia tomentosa 'Sterling'	Sterling Silver Linden
UFR2	Ulmus x 'Frontier'	Frontier Elm
EVERGREEN TREES		
ACF	Abies concolor	White Fir
PGW	Picea glauca	White Spruce
PGD	Picea glauca 'Densata'	Black Hills Spruce
ORNAMENTAL TREES		
AGA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry
SHRUBS		
CAF	Cornus stolonifera 'Arctic Fire'	Arctic Fire Dogwood
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HBO	Hydrangea paniculata 'Bobo'	Bobo Hydrangea
IVJ	Ilex verticillata 'Jim Dandy'	Jim Dandy Winterberry
PDN	Physocarpus opulifolius 'Nanus'	Dwarf Ninebark
RPP	Rosa rugosa 'Purple Pavement'	Purple Pavement Rugosa Rose
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JCS	Juniperus chinensis 'Sea Green'	Sea Green Juniper
JT	Juniperus chinensis 'Trautman'	Trautman Juniper
PN2	Picea abies 'Nidiformis'	Nest Spruce
PMS	Pinus mugo 'Slowmound'	Slowmound Mugo Pine
TMD	Taxus x media 'Densiformis'	Dense Yew
THI	Taxus x media 'Hicksii'	Hicks Yew
TG	Taxus x media 'SMNTHDB'	Stonhenge Dark Druid® Yew
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SYMBOL BOTANICAL NAME COMMON NAME		
GROUND COVERS		
(Symbol)	Turf	Reinders - Cadet 70/30 Fescue/Blue Mix



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SHEET **L-3**
 L-4

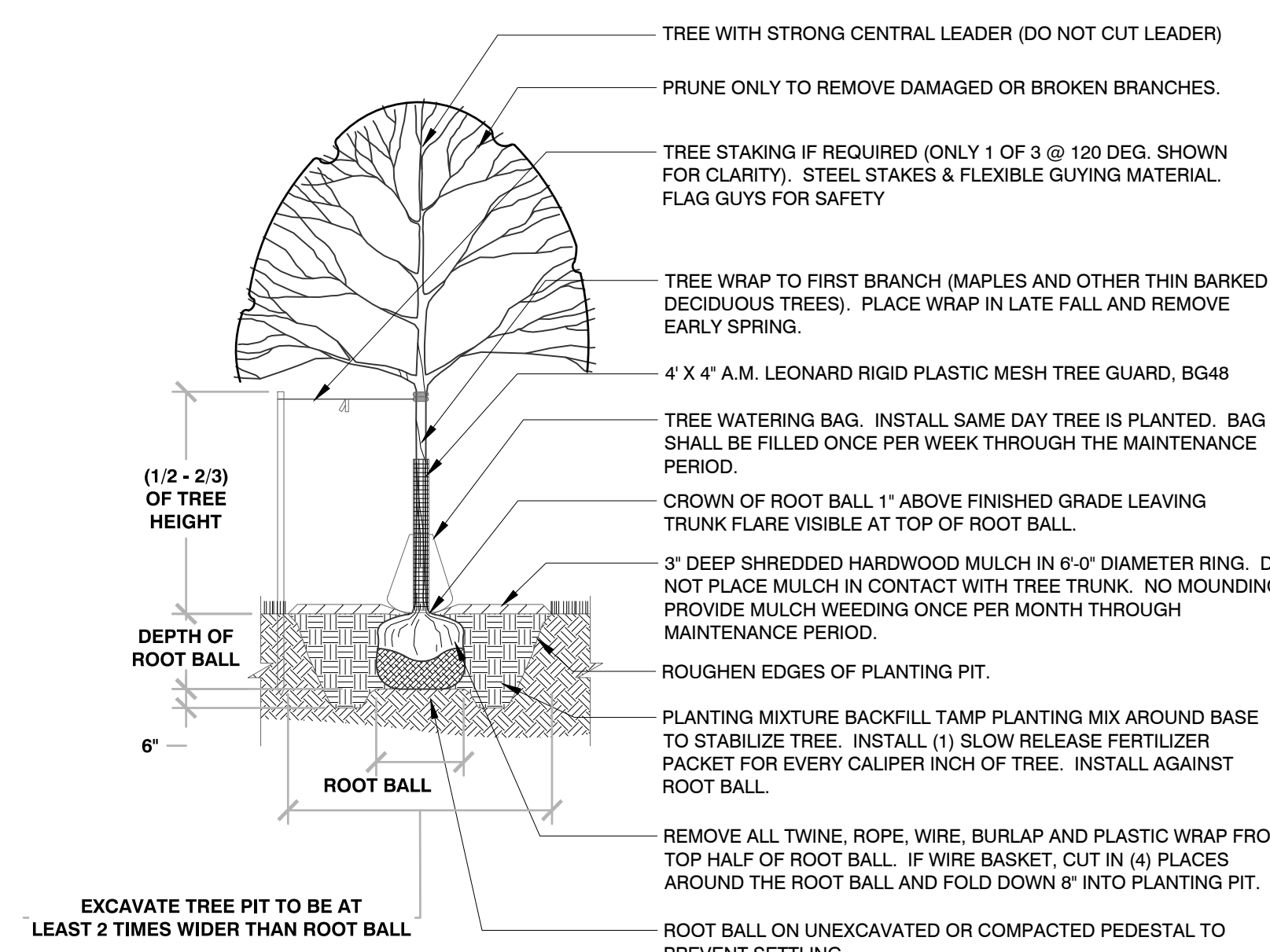
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GENERAL PLANTING NOTES

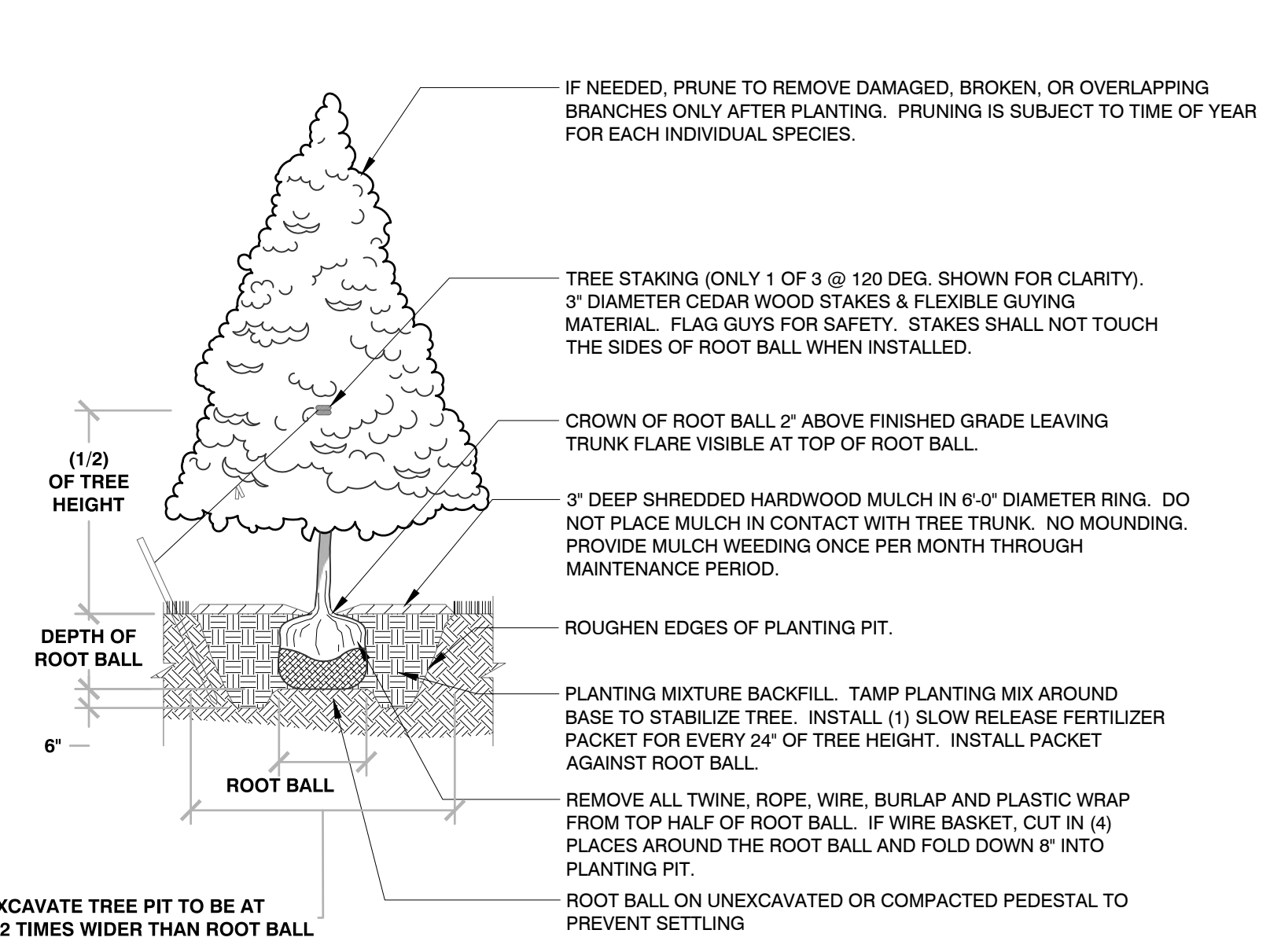
- THE LAYOUT OF ALL PLANTING BEDS AND INDIVIDUAL TREES AND SHRUBS SHALL BE STAKED BY THE CONTRACTOR IN ADVANCE OF INSTALLATION. FLAGGING, STAKES, OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS. AN APPROVED REPRESENTATIVE WILL REVIEW THESE LOCATIONS WITH THE CONTRACTOR AND MAKE MINOR ADJUSTMENTS AS NECESSARY. BED LAYOUT SHALL ALSO INCLUDE PERENNIAL GROUPINGS BY SPECIES.
- THE CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY DETERMINING THE PLANT MATERIAL QUANTITIES REQUIRED BY THE LANDSCAPE PLANS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
- NO PLANT MATERIAL OR PLANT SIZE SUBSTITUTIONS WILL BE ACCEPTED WITHOUT APPROVAL BY THE LANDSCAPE ARCHITECT. ANY CHANGES SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO INSTALLATION.
- ALL BNB STOCK SHALL BE NURSERY GROWN IN A CLAY LOAM SOIL FOR A MINIMUM OF THREE GROWING SEASONS WITHIN 200 MILES OF PROJECT LOCATION, IN A ZONE COMPATIBLE WITH USDA HARDINESS ZONE 5A. SEED SHALL BE PROVIDED FROM A NURSERY (WITHIN 200 MILES) WITH A SIMILAR PLANT HARDINESS ZONE AS PROJECT LOCATION. EXISTING SOIL SHALL BE AMENDED PER SOIL ANALYSIS REPORT TO ENSURE A PROPER GROWING MEDIUM IS ACHIEVED.
- ALL PLANT MATERIAL SHALL COMPLY WITH STANDARDS DESCRIBED IN AMERICAN STANDARD OF NURSERY STOCK - Z60.1 ANSI. LANDSCAPE ARCHITECT OR OWNERS AUTHORIZED REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND POTENTIALLY REJECT ANY PLANT MATERIAL DEEMED TO NOT MEET THE REQUIRED STANDARDS.
- ALL STOCK SHALL BE FREE OF DISEASES AND HARMFUL INSECTS, DAMAGE, DISORDERS AND DEFORMITIES.
- TREES SHALL HAVE SINGLE, STRAIGHT TRUNKS AND WELL BALANCED BRANCH SYSTEMS. MULTI-STEM TREES SHALL HAVE 3-4 STRAIGHT TRUNKS AND WELL BALANCED BRANCH SYSTEMS. HEIGHT-TO-CALIPER RATIOS SHALL BE CONSISTENT WITH THE LATEST EDITION OF ANSI Z60.1.
- ROOT SYSTEMS SHALL BE LARGE ENOUGH TO ALLOW FOR FULL RECOVERY OF THE TREE, AND SHALL CONFORM TO STANDARDS AS THEY APPEAR IN THE MOST CURRENT REVISION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S AMERICAN STANDARD OF NURSERY STOCK ANSI Z60.1.
- BNB TREES SHALL BE DUG WITH A BALL OF SOIL, NOT SOFT BALLED OR POTTED AND SHALL BE FIRM IN THEIR ROOTBALL. ROOT BALL SHALL BE WRAPPED (WITH BIODEGRADABLE MATERIAL). THE TREE ROOT FLARE, OR COLLAR, SHALL BE AT OR WITHIN THE TOP THREE INCHES OF GRADE.
- ALL SPRING TREES MUST BE FRESHLY DUG IN THE MOST RECENT SPRING.
- ALL AUTUMN TREES MUST BE FRESHLY DUG IN THE MOST RECENT AUTUMN.
- TREES SHALL BE ALIVE, HEALTHY AND APPROPRIATELY MOIST, AT TIME OF DELIVERY. TREES SHALL BE SUBJECT TO INSPECTION FOR CONFORMITY TO SPECIFICATION REQUIREMENTS AND APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE. THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY TREES THAT DO NOT MEET THE SPECIFICATIONS OR THAT HAVE BEEN DAMAGED DURING SHIPMENT. THE LANDSCAPE INSTALLER MUST RECEIVE APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY SUBSTITUTIONS OR ALTERATIONS.
- ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH PLANTING DETAILS.
- ALL PLANTING BEDS SHALL HAVE A MINIMUM 10" DEPTH OF PREPARED SOIL. WITH APPROVAL, EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 10" OF SOIL. REFER TO SOIL PLACEMENT NOTES.
- WHILE PLANTING TREES AND SHRUBS, BACKFILL 2/3 OF PLANTING HOLE AND WATER TREE THOROUGHLY BEFORE INSTALLING THE REMAINDER OF SOIL MIXTURE. AFTER ALL SOIL HAS BEEN PLACED INTO THE PLANTING HOLE WATER THOROUGHLY AGAIN.
- THE CONTRACTOR MUST LABEL ALL TREES WITH THE COMMON AND BOTANICAL NAMES PRIOR TO FINAL INSPECTION.
- ALL PLANTING BEDS SHALL BE MULCHED WITH 3" DEEP SHREDDED HARDWOOD MULCH, AND ALL TREES PLANTED IN TURF AREAS SHALL RECEIVE A 3" DEEP SHREDDED HARDWOOD MULCHED RING AS SHOWN IN PLANTING DETAILS.
- ALL PLANTING BEDS AND TREE RINGS SHALL HAVE A 4" DEEP TRENCHED BED EDGE CREATED BY EITHER A FLAT LANDSCAPE SPADE OR MECHANICAL EDGER. BED EDGES ARE TO BE CUT CLEAN AND SMOOTH AS SHOWN ON LANDSCAPE PLANS WITH A CLEAR DEFINITION BETWEEN TURF AND PLANTING AREAS.
- ALL TURF SEED AREAS SHALL RECEIVE A MINIMUM OF 6" DEPTH OF TOPSOIL, WITH APPROVAL, EXISTING SOIL MAY BE UTILIZED PROVIDED THE PROPER SOIL AMENDMENTS ARE TILLED THOROUGHLY INTO THE TOP 6" OF SOIL AS INDICATED IN THE SOIL PLACEMENT NOTES. REQUIRED AMENDMENTS SHALL BE DETERMINED BASED ON A SOIL ANALYSIS TO BE PERFORMED. ALL TOPSOIL AMENDMENT SHALL BE AGED WEED FREE MANURE OR CLASS 1 ORGANIC MATTER.
- FOR LAWN SEEDING, APPLY A STARTER FERTILIZER AND SEED UNIFORMLY AT THE RATE RECOMMENDED BY MANUFACTURER, AND PROVIDE A MULCH COVERING THAT IS SUITABLE TO PROMOTE SEED GERMINATION AND TURF ESTABLISHMENT. CONTRACTOR TO PROVIDE FERTILIZER, SEED, AND MULCH SPECIFICATIONS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. EROSION CONTROL MEASURES ARE TO BE INSTALLED IN THOSE AREAS REQUIRING STABILIZATION (SWALES, SLOPES EXCEEDING 1:3, AND THOSE LOCATIONS INDICATED IN CIVIL DRAWINGS).
- THE CONTRACTOR TO ENSURE A SMOOTH, UNIFORM QUALITY TURF IS ACHIEVED WITH NO BARE SPOTS LARGER THAN 6" X 6". ANY BARE SPOTS LARGER THAN 6" X 6" AT THE END OF ESTABLISHMENT PERIOD SHALL BE RESEED AT THE CONTRACTORS EXPENSE TO OBTAIN A DENSE, UNIFORM LAWN.
- ALL FINISH GRADING AND LAWN AREAS TO BE INSTALLED BY LANDSCAPE CONTRACTOR.
- ALL DISTURBED AREAS WITHIN THE PROJECT SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INCLUDING ANY IRRIGATION LINES, PRIOR TO DIGGING. CONSULT DIGGERS HOTLINE.
- TREES SHALL BE INSTALLED NO CLOSER THAN:
 - 10 FEET FROM ANY FIRE HYDRANT
 - 7 FEET FROM STORM SEWER, SANITARY SEWER LATERALS, DRIVEWAYS, AND WATER SERVICE
- THE CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS
- THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, AND LICENSES NECESSARY FOR THE INSTALLATION OF THIS PLAN.
- THE CONTRACTOR IS TO REVIEW ALL SITE ENGINEERING DOCUMENTS PRIOR TO INSTALLATION. ANY CONFLICTS MUST BE REPORTED TO THE LANDSCAPE ARCHITECT. THESE LANDSCAPE DRAWINGS ARE FOR THE INSTALLATION OF PLANT MATERIALS ONLY UNLESS OTHERWISE STATED.
- THE CONTRACTOR SHALL PROVIDE WATERING AND MAINTENANCE SERVICES FOR A PERIOD OF 60 DAYS TO ENSURE VEGETATIVE ESTABLISHMENT. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL SUPPLY THE OWNER IN WRITING WITH ONGOING WATERING AND MAINTENANCE INSTRUCTIONS.
- PLANT MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM TIME OF OWNER ACCEPTANCE. ONLY ONE REPLACEMENT PER PLANT WILL BE REQUIRED DURING THE WARRANTY PERIOD EXCEPT IN THE EVENT OF FAILURE TO COMPLY WITH THE SPECIFIED REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE TO CONDUCT A FINAL WALK THROUGH WITH THE LANDSCAPE ARCHITECT AND OR OWNERS REPRESENTATIVE TO ANSWER QUESTIONS, PROVIDE INSTRUCTIONS, AND ENSURE THAT PROJECT REQUIREMENTS HAVE BEEN MET.

SOIL PLACEMENT NOTES

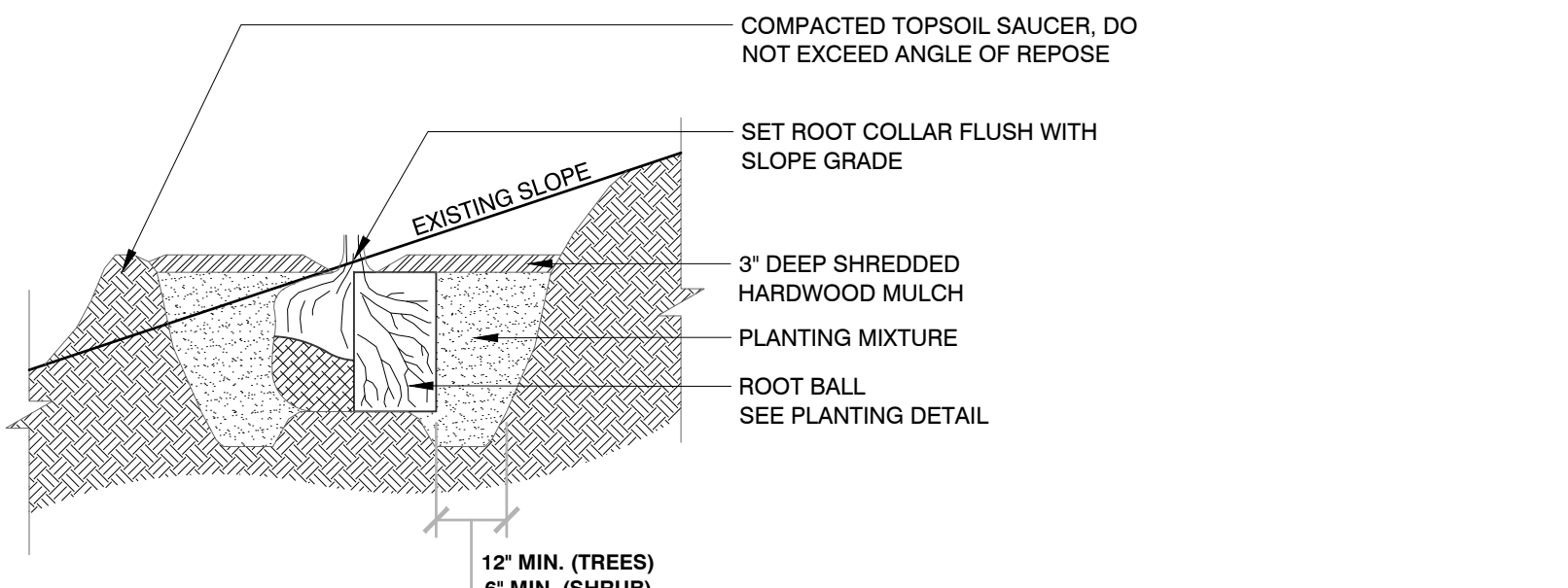
- LOOSEN SUBGRADE TO A MINIMUM DEPTH INDICATED IN PLANTING NOTES USING A CULTI-MULCHER OR SIMILAR EQUIPMENT, AND REMOVE STONES MEASURING OVER 1-1/2 INCHES IN ANY DIMENSION, STICKS, RUBBISH AND OTHER EXTRANEIOUS MATTER. AREAS ADJACENT TO WALKS AND PAVEMENT SHALL BE FREE OF EXCESS STONE AND PAVING MATERIALS SO AS TO PROVIDE AN UNINTERRUPTED CROSS SECTION OF SOIL. INTERNAL PARKING ISLANDS SHALL BE LOOSENED TO A DEPTH OF 30".
- THOROUGHLY BLEND PLANTING SOIL MIX FOR PLANTING BED AREAS. (1 PART EXISTING SOIL, 1 PART TOPSOIL, 1 PART ORGANIC SOIL AMENDMENT, 2.9 POUNDS PER CUBIC YARD OF 4-4-4 ANALYSIS SLOW-RELEASE FERTILIZER)
- TREE AND SHRUB HOLES SHALL BE FILLED WITH A PREPARED PLANTING MIXTURE OF 1 PART TOPSOIL, 2 PARTS PLANTING SOIL MIX.
- SPREAD SOIL AND SOIL AMENDMENTS TO DEPTH INDICATED ON DRAWINGS, BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER NATURAL SETTLEMENT. (FINISH GRADE OF PLANTING BEDS SHALL BE 3" BELOW ALL ADJACENT SURFACES. FINISH GRADE OF TURF SEEDING AREAS SHALL BE 1" BELOW ALL ADJACENT HARD SURFACES, WALKS, AND CURBS.)
- PLACE APPROXIMATELY 1/2 OF TOTAL AMOUNT OF SOIL REQUIRED, WORK INTO TOP OF LOOSENED SUBGRADE TO CREATE A TRANSITION LAYER, THEN PLACE REMAINDER OF THE SOIL. SOIL TRANSITION LAYER SHALL BE TILLED TO A MINIMUM DEPTH OF 6" BELOW THE DEPTH OF NEWLY PLACED SOIL. PARKING LOT ISLANDS SHALL BE CROWNED TO A HEIGHT OF 6" TO PROVIDE PROPER DRAINAGE UNLESS OTHERWISE NOTED.
- DO NOT SPREAD IF PLANTING SOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
- FINISH GRADING: GRADE SOIL TO A SMOOTH, UNIFORM SURFACE PLANE WITH A LOOSE, UNIFORMLY FINE TEXTURE.
- ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES.
- RESTORE PLANTING BEDS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING AND BEFORE PLANTING.



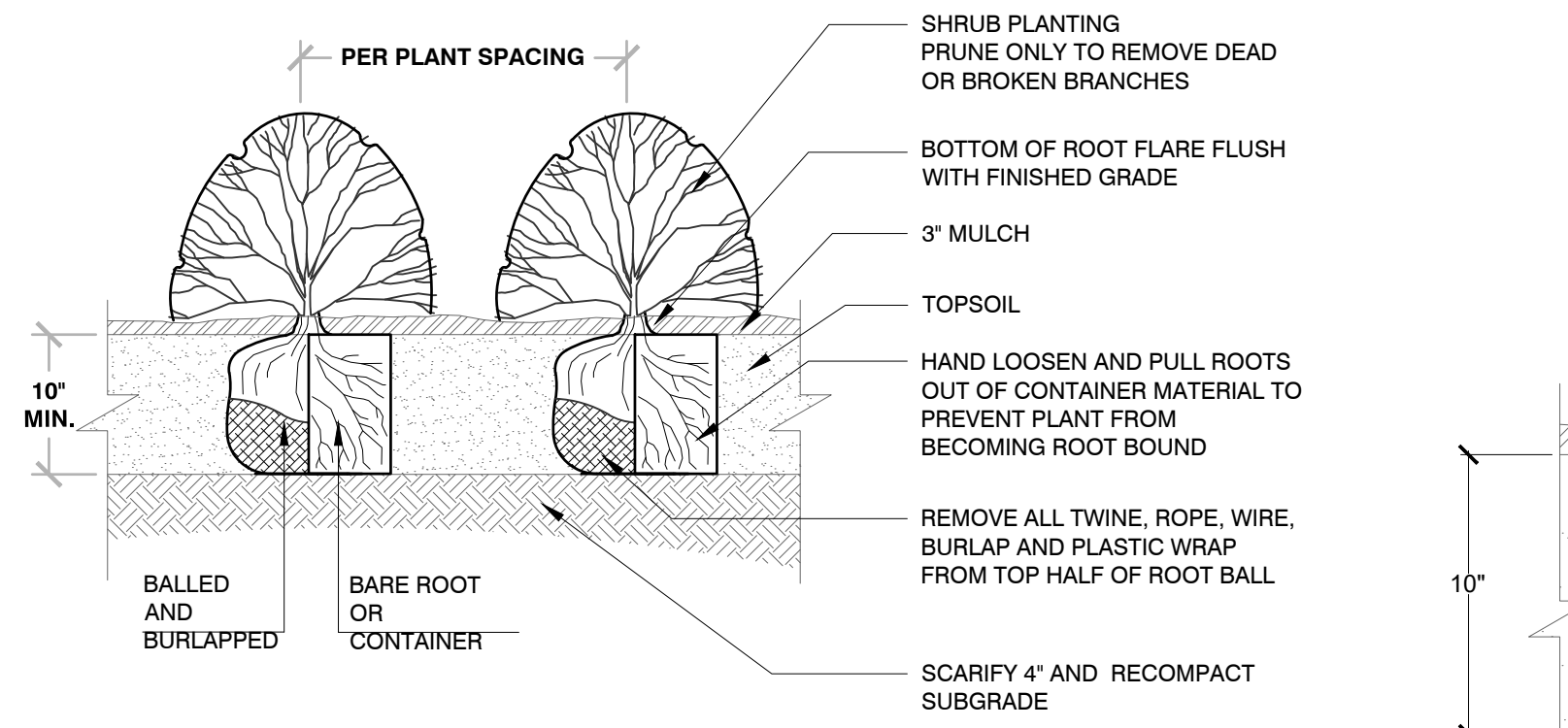
1 TREE PLANTING
1/4" = 1'-0"
329343-01



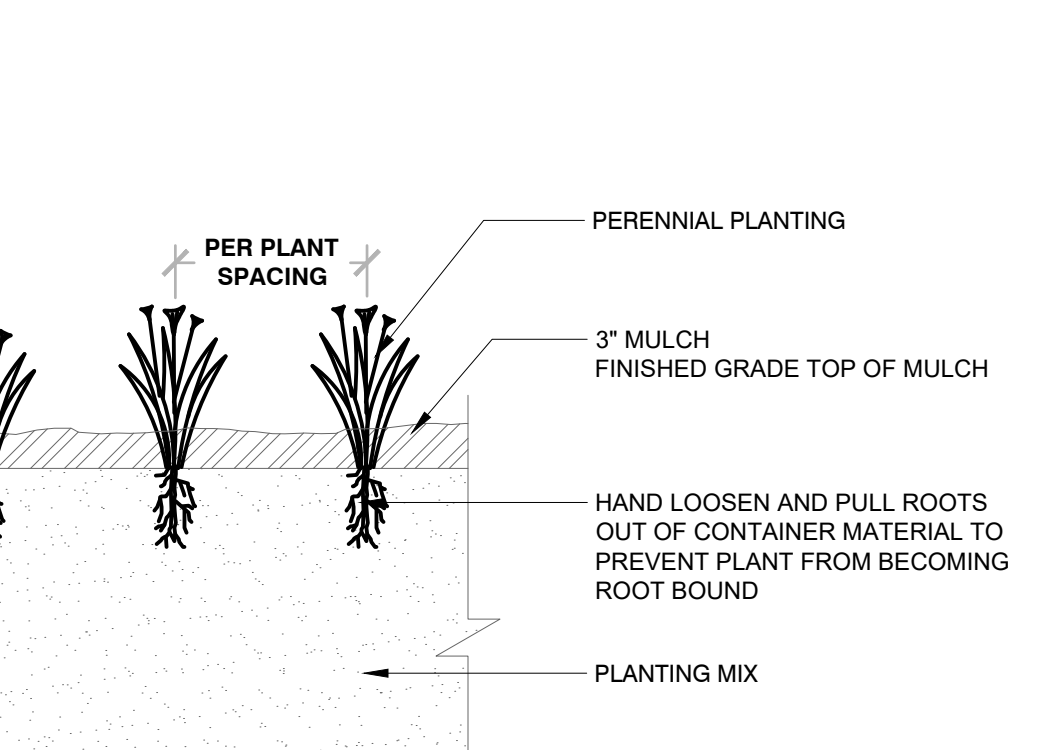
2 EVERGREEN TREE PLANTING
1/4" = 1'-0"
329343-03



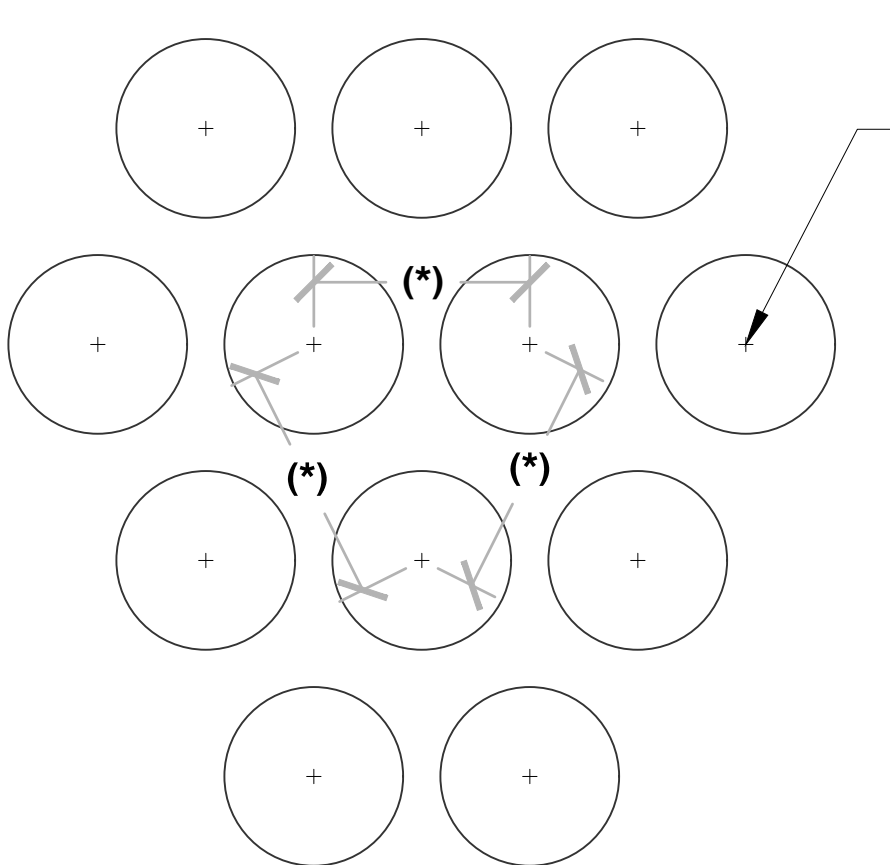
3 TREE PLANTING ON SLOPE
3/8" = 1'-0"
329343-02



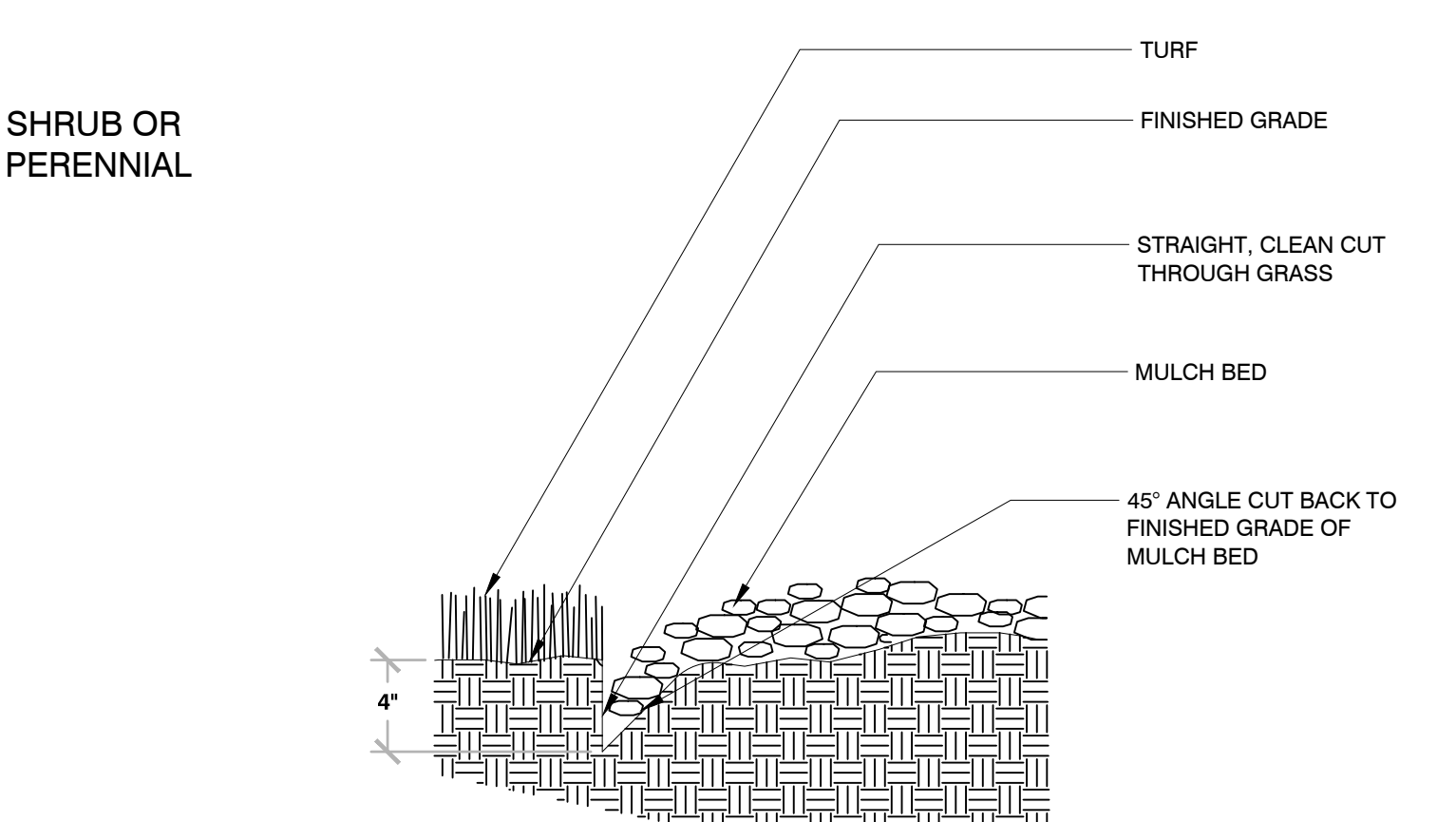
4 SHRUB PLANTING
1/2" = 1'-0"
329333-02



5 PERENNIAL PLANTING
1" = 1'-0"
3293-01



6 PLANT SPACING
3/4" = 1'-0"



7 TRENCHED BED EDGE
3/4" = 1'-0"
3293-02

REVISIONS	
1. VILLAGE BSO SUBMITTAL	02/09/26
2. VILLAGE BSO RESUBMITTAL	03/27/26
3. ISSUED FOR BID	03/30/26
4. VILLAGE COMMENTS / BID SET	04/22/26
5. ISSUED FOR CONSTRUCTION	05/19/26

REG. JOB NO. 1912-40-WT
JUL 11
SCALE VARIES
SHEET L-4
L-4

THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF PINNACLE ENGINEERING GROUP, LLC. DESIGNED: D.B. REVIEWED: S.A.T. DRAFTED: S.A.T.

www.pinnacle-engr.com LANDSCAPE GENERAL NOTES & DETAILS © COPYRIGHT 2026

EXHIBIT "C"
CERTIFICATE OF WARRANTY
(TO BE EXECUTED IN CONJUNCTION WITH SUBSTANTIAL COMPLETION)

Reesman's Excavating & Grading, Inc., a Wisconsin corporation ("**Contractor**"), subject to the provisions and limitations of this Certificate of Warranty ("**Certificate**"), hereby warrants ("**Warranty**") to the Owner and its successors and assigns ("**Owner**") and any of Owner's Tenant(s) and their successors and assigns ("**Tenant(s)**") that the Contractor's Work described on **Exhibit B**, which is attached to the Agreement Between Owner and Contractor, and made a part hereof (i) has been completed in a good and workmanlike manner, (ii) is free from defects arising out of faulty workmanship or materials, and (iii) has been constructed in accordance with the requirements of the plans and specifications described on **Exhibit B** of the Agreement and all applicable laws and ordinances (collectively (i), (ii) and (iii) the "**Condition(s)**"). Except as otherwise provided in the Agreement, Contractor's Warranty obligations under this Certificate are limited to the repair and replacement of any of the Condition(s), the existence of which is a breach of the Warranty. Contractor shall only be liable with respect to such Condition(s) if Contractor is notified in writing by Owner or Tenant(s) of such Condition(s) within (i) two (2) years after Substantial Completion, as defined in the Agreement, of the Contractor's Work on the Project described in the Agreement and (ii) if such Conditions involve latent defects, then within two (2) years of when the Owner or Tenant(s) knew or should have known of said defect(s). Contractor shall complete the repair or replacement of the Condition(s) within thirty (30) days after the giving of written notice of the existence of the Condition(s) to the Contractor by the Owner or the Tenant(s) (said period of time is hereinafter referred to as the "**Correction Period**"), provided; however, that if such repair or replacement cannot reasonably be completed within such thirty (30)-day Correction Period, then so long as Contractor promptly commences the repair and replacement of the Condition(s) and thereafter diligently pursues such repair and replacement to completion, the Correction Period shall be extended for a reasonable period of time which will not exceed sixty (60) days. In the event the Contractor breaches its repair and replacement obligations, Owner or Tenant(s) shall be entitled to repair and replace such Condition(s) and bring a legal action against Contractor during the Claim Period (defined below) for the cost of such repair and replacement. Notwithstanding the foregoing, in the event of a Condition(s) which is likely to cause imminent bodily injury, personal injury or property damage, Owner or Tenant(s) may repair and replace such Condition(s) without advance written notice to Contractor. In such event, Contractor shall promptly reimburse Owner or Tenant(s) for the cost of such repair and replacement.

Notwithstanding the foregoing, the right of the Owner or Tenant(s) to bring legal action against the Contractor as set forth in this Certificate and in the Agreement is limited to seven (7) years from the date of Substantial Completion of the Contractor's Work, unless the exposure period date is extended as provided for in Section 1.10.3 of the Agreement ("**Claim Period**").

This Warranty along with the assignment of the Owner's other rights, benefits and unfulfilled obligations are assignable as provided for in Section 9.9 of the Agreement.

IN WITNESS WHEREOF, this Certificate has been executed this ____ day of _____ 202_.

Reesman's Excavating & Grading, Inc., a Wisconsin corporation

By: _____
Name: _____
Title: _____

EXHIBIT "D"
CONTRACTOR'S WORK SCHEDULE

Work to commence June 15, 2026

Earthwork to be completed September 1, 2026

Site Utilities to be completed September 15, 2026

Landscape to be completed October 15, 2026 with Spring 2027 clean up

EXHIBIT "E"
GENERAL SAFETY AND HEALTH PROVISIONS

Owner requires full compliance with the current requirements and regulations of the Occupational Safety and Health Act 1970 ("OSHA"), Construction Safety Act 1969 and the OSHA Hazard Communication Standard for Construction of 1989, including all amendments thereto and standards and regulations which have been or shall be promulgated by the governmental authorities which administer such acts, by Contractor, its agents, employees, material suppliers, and subcontractors; and said requirements, standards and regulations are incorporated herein by reference.

Contractor shall comply with said requirements, standards and regulations, and require and be directly responsible for compliance therewith on the part of its agents, employees, material suppliers and subcontractors; and shall directly receive and be responsible for all citations, assessments, fines or penalties which may be incurred by reason of Contractor's failure or failure on the part of its agents, employees, material suppliers or subcontractors to so comply.

The Contractor shall indemnify, defend and hold harmless the Owner from any and all fines levied on the Owner for cited acts caused by the Contractor, its agents, employees, subcontractors or vendors.

SPECIFIC MINIMUM STANDARDS TO BE FOLLOWED

1. Job-site cleanliness and organization is directly related to safety as well as quality. Therefore, Contractor shall ensure that all rubbish and debris generated by Contractor is placed in the on-site dumpster on a daily basis. All cleanup of the Contractor's Work area shall be accomplished on a daily basis prior to leaving the Project, and all materials shall be stored in an orderly and neat manner. If after one verbal notification (notwithstanding other provisions of this Agreement regarding written notice) proper cleanup is not completed to the satisfaction of the Owner, the Owner may proceed without further notice with the required clean-up work and charge all costs plus fifteen percent (15%) to Contractor.
2. Contractor shall maintain all tools per OSHA standards and properly secure all tools and equipment at the end of each work day.
3. Contractor shall hold weekly on-site safety meetings/toolbox talks with Contractor's on-site workers, A report of each meeting to include subjects covered and a list of attendees shall be submitted to the Owner's Representative not later than Friday of each work week. The required personnel to attend are a representative who has the authority to make decisions concerning safety matters, change orders, schedule and manpower.
4. Prior to starting any of Contractor's Work, Contractor shall file a copy of its Safety Program with the Owner's Representative. Said Safety Program shall be in conformance with the Safety requirements of this Exhibit E and OSHA requirements.
5. Contractor shall ensure its Hazard Communication Program and Material Safety Data Sheets ("MSDS") for all materials and chemicals being used by Contractor and its employees are on file with Owner's Representative. A copy of Contractor's MSDS shall also be kept by Contractor in Contractor's on-site trailer or other on-site facility.
6. Any accident or injury is to be reported to the Owner's Representative immediately. Additionally, any near fall, near miss or any other incident that does result in injury, but had the potential for serious results, shall also be reported immediately.

7. Contractor shall submit daily reports to the Owner's Representative if requested. This report covers daily manpower and hours worked on the Project as well as any areas of concern regarding safety hazards and job-site cleanliness.
8. Contractor shall ensure strict adherence to the proper wearing of all required personal protective equipment ("PPE") which is mandatory with no exceptions. **Hard hats, safety glasses and safety vests (or shirts) will be worn at all times on the job-site.** All Owners' Projects are designated hard hat areas. Failure to comply with PPE requirements will result in prohibition of an individual worker from working on the Project upon receipt of one verbal and one written warning from the Owner's Representative. Shorts are not allowed to be worn on the Project. Shirts with sleeves, long pants (with no holes), hard hats and safety shoes/boots (no tennis or athletic allowed) shall be worn by all of Contractor's and Contractor's subcontractors' and vendor's workers and supervisory personnel.
9. Contractor shall ensure strict compliance with respect to eye protection with any of its workers or approved subcontractors in the form of safety glasses which shall be worn whenever workers are performing work involving cutting, grinding, drilling, chipping or pouring of concrete or other activities where OSHA requires safety glasses to be worn. Contractor shall provide respirators and the required respirator training for its workers per OSHA requirements as and when Project conditions warrant. This includes Contractor's continuous vigilance with respect to crystalline silica exposure.
10. Contractor shall ensure no radios, walk-mans or any other type of musical devices are allowed on the Project.
11. Contractor shall ensure the following key areas receive continuous vigilance throughout the period they are on the Project:
 - A. Project cleanliness and orderly storage/staging of materials and equipment;
 - B. Strict adherence to the use of proper personal protective equipment;
 - C. Fall protection and prevention;
 - D. Ladder and stairway safety;
 - E. Scaffolding safety;
 - F. Open trenches;
 - G. Caught in/between and stuck-by/hit-by hazards;
 - H. Heavy equipment/crane safety;
 - I. Hazard communication;
 - J. Hand and power tool safety; and
 - K. Electrical safety.

Items A through K are all areas to be continually emphasized by Contractor during weekly toolbox talks.

12. Contractor shall ensure safety rails, cables or barricades are not to be removed without permission of Owner's Representative. If Contractor removes safety rails, cables or barricades after receiving permission to do so, Contractor must immediately and correctly reinstall such rails, cables and barricades upon completion of the activity necessitating such removal prior to leaving the job-site.
13. Owner's Director of Safety periodically conducts job-site safety surveys. Contractor shall stop Contractor's Work and immediately correct, or cause to be corrected, any unsafe condition identified during a safety survey. Owner's Representative or Director of Safety may conduct daily job-site

walk-through and the Contractor shall immediately correct, or cause to be corrected, any unsafe conditions or areas of non-compliance noted during such walk-through.

14. The Contractor acknowledges that the Owner has adopted a policy prohibiting firearms on the Premises and providing that no alcohol or illegal drugs or substances shall be consumed at the Project, nor shall any workers be allowed to work at the Premises if they are, in the sole opinion of the Owner, performing their work while in possession of firearms or under the influence of alcohol or illegal drugs or substances. The Owner's Representative's determination with respect to such matters shall be final. The Owner's Representative shall have the right on oral notice to the Contractor (notwithstanding the provisions in the Agreement requiring written notice) to require immediate removal from the Project by Contractor of any workers of Contractor or Contractor's subcontractors or vendors whom the Owner's Representative designates based upon the Owner's Representative's opinion that such person is carrying a firearm or is under the influence of alcohol or illegal drugs or substances. Furthermore, the Owner's Representative may prohibit such individual from performing any further Contractor's Work on the Project, in the Owner's Representative's sole discretion. The Contractor acknowledges and understands the Owner's Representative's foregoing policy and agrees to strictly abide by and adhere to such policy.
15. Violation of any of the provisions of this Exhibit "E" to the Agreement shall be deemed an Agreement default.

EXHIBIT “F”

NOTICE ON USE OF CPVC PIPE PRODUCTS AND VERIFICATION OF COMPATABILITY

Lubrizol, the resin manufacturer for CPVC piping, and several industry experts have identified compatibility issues with CPVC piping. CPVC piping, in its finished form, is typically marketed under the names of FlowGuard Gold, Blaze Master, and Corzan. These finished products are manufactured by numerous pipe manufacturers with the Lubrizol resin.

Lubrizol and brand name CPVC pipes – FlowGuard Gold, Blaze Master and Corzan – have identified incompatible materials. The list includes, but is not limited to, certain caulks, fire stopping systems, leak detectors, communication wiring, pipe clamps and straps, flux, pipe tapes, oils, and thread sealants. Additionally, reasonable care must be exercised to avoid contamination and damage to these pipes when working with, adjacent to, or in contact with Lubrizol resin, FlowGuard Gold, Blaze Master, and Corzan products.

Contractor must verify, in writing, prior to the commencement of Contractor’s Work, prior to coordination of installing materials and throughout the construction process, that no materials, coming in contact with CPVC, will be introduced by Contractor to the Project jobsite that have been identified as incompatible with FlowGuard Gold, Blaze Master or Corzan products.

Contractor shall exercise reasonable care when working with, adjacent to, or in contact with FlowGuard Gold, Blaze Master and Corzan products. Additionally, the Contractor must provide education and train employees on working with or around CPVC piping materials.

Contractor must submit to Contractor, prior to commencing Contractor’s Work, a list of all products that will be in contact with, adjacent to, or used in the vicinity of FlowGuard Gold, Blaze Master or Corzan piping verifying these products meet the approved compatibility list.

Information on compatible and incompatible products can be obtained by Contractor through product websites, industry experts and product representatives. Products used in conjunction with CPVC should carry the compatibility seal.

Suggested websites include: Lubrizol: www.lubrizol.com
Lubrizol system compatible: www.systemcompatible.com
Flow Guard Gold: www.flowguardgold.com
Corzan: www.corzancpvc.com
Blaze Master: www.blazemaster.com

NOTICE TO CONTRACTOR: THE LIST OF PRODUCTS REFERRED TO ABOVE MUST BE PROVIDED TO CONTRACTOR BY SEPARATE WRITTEN SUBMITTAL.

