

# WAHS PARKING LOT EXPANSION

## SITE PLAN

ALBEMARLE COUNTY, VA  
APRIL 2, 2024



THIS DRAWING PREPARED AT THE  
**CHARLOTTEVILLE OFFICE**  
608 Preston Avenue, Suite 200 | Charlottesville, VA 22903  
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REVISION DESCRIPTION	DATE

DATE  
04/02/2024

DRAWN BY  
S. KIRBY

DESIGNED BY  
S. KIRBY

CHECKED BY  
J. SHOWALTER

SCALE  
N/A

**TIMMONS GROUP**  
WAHS PARKING LOT EXPANSION  
ALBEMARLE COUNTY, VA  
COVER SHEET

JOB NO.  
57006.002  
SHEET NO.  
C0.0

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### SITE SUMMARY DATA

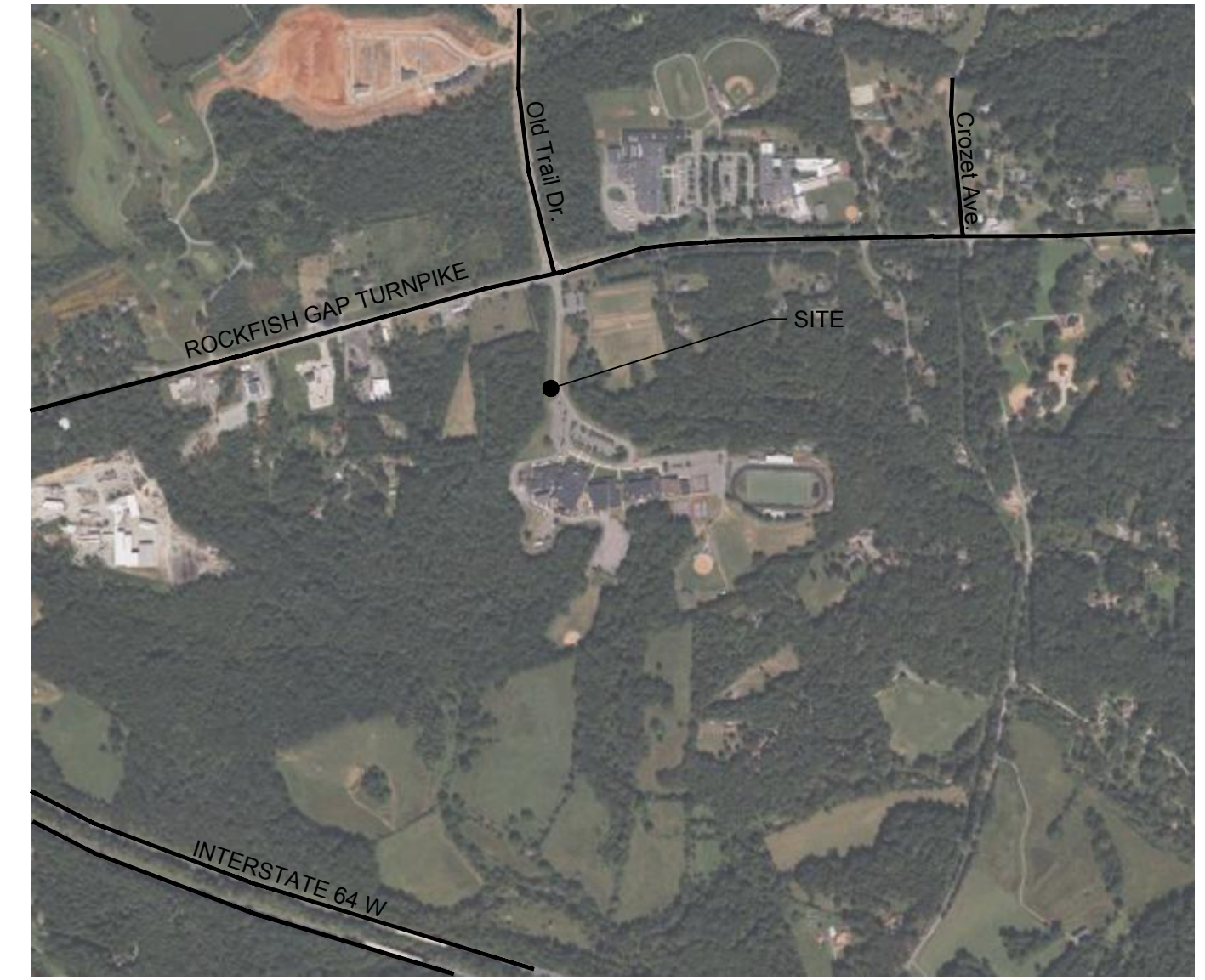
PARCEL ID: 05600-00-00-017C0  
PARCEL AREA: 75 AC  
LIMITS OF DISTURBANCE: 0.92 ACRES  
ZONING: (RA) RURAL AREAS, PROPERTY IS IN THE ENTRANCE CORRIDOR OVERLAY DISTRICT.  
SOURCE OF BOUNDARY AND TOPOGRAPHY: THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF JOSEPH C. MEDLEY FROM AN ACTUAL GROUND SURVEY; THAT THE ORIGINAL DATA WAS OBTAINED ON THE FOLLOWING DATES: DECEMBER 21, 2022 AND MAY 31, 2023. THIS BASE-MAP AND DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.  
DATUM: HORIZONTAL DATUM IS BASED ON NAD83 (NA2011), VIRGINIA STATE GRID, SOUTH ZONE. VERTICAL DATUM IS BASED ON NAVD88. DATUM ESTABLISHED THROUGH NETWORK RTK GPS (LEICA SmartNET) OBSERVATIONS ON DECEMBER 21, 2022 AND MAY 31, 2023.  
MISS UTILITY TICKET: B235001424 COMPLETED 12/16/2022 AND A314402125-00A COMPLETED 05/24/2023  
UTILITIES: PUBLIC WATER/SEWER SERVICE  
SETBACKS: SIDE/REAR: 50' FROM DISTRICT BOUNDARY MINIMUM, NO MAXIMUM

PRE-DEVELOPED IMPERVIOUS AREA: 0.00 ACRES  
PRE-DEVELOPED PERVIOUS AREA: 0.92 ACRES  
POST-DEVELOPED IMPERVIOUS AREA: 0.47 ACRES  
POST-DEVELOPED PERVIOUS AREA: 0.45 ACRES

LIGHTING: LIGHTING FIXTURES SHALL NOT EXCEED 3000 LUMENS. THE SPILLOVER OF LIGHTING FROM LUMINAIRES ONTO PUBLIC ROADS AND PROPERTIES IN RESIDENTIAL AREAS OR RURAL AREAS ZONING DISTRICTS SHALL NOT EXCEED ONE-HALF FOOT CANDLE. A SPILLOVER SHALL BE MEASURED HORIZONTALLY AND VERTICALLY AT THE PROPERTY LINE OR EDGE OF RIGHT-OF-WAY OR EASEMENT, WHICHEVER IS CLOSER TO THE LIGHT SOURCE. ALL OUTDOOR LIGHTING, REGARDLESS OF THE AMOUNT OF LUMENS, SHALL BE ARRANGED OR SHIELDED TO REFLECT LIGHT AWAY FROM ADJOINING RESIDENTIAL DISTRICTS AND AWAY FROM ADJACENT ROADS.

ADJACENT PARCEL EXISTING USES:  
ALBEMARLE COUNTY:  
05500-00-00-106A0 (PO BOX 6460 CHARLOTTESVILLE VA, 22906) - RA RURAL AREAS (FOREST GLEN)  
05500-00-00-106A1 (491 FOREST GLEN DR) - RA RURAL AREAS (SINGLE FAMILY RESIDENTIAL)  
05500-00-00-106A2 (NO ADDRESS) - RA RURAL AREAS (FOREST)  
07100-00-00-04200 (NO ADDRESS) - RA RURAL AREAS (AGRICULTURAL)  
05600-00-00-019G0 (5880 EMERALD LN) - RA RURAL AREAS (SINGLE FAMILY RESIDENTIAL)  
05600-00-00-019F0 (5860 EMERALD LN) - RA RURAL AREAS (SINGLE FAMILY RESIDENTIAL)  
05600-00-00-01700 (100 MILLER SCHOOL RD) - RA RURAL AREAS (AGRICULTURAL)  
05600-00-00-017E1 (5885 ROCKFISH GAP TPKE) - RA RURAL AREAS (SINGLE FAMILY RESIDENTIAL)  
05600-00-00-017E0 (5883 ROCKFISH GAP TPKE) - RA RURAL AREAS (SINGLE FAMILY RESIDENTIAL)

PROJECT NARRATIVE:  
THIS PROJECT ADDS A PARKING LOT FOR UP TO 59 PARKING SPACES TO THE WEST OF THE ENTRANCE ROAD INTO WESTERN ALBEMARLE HIGH SCHOOL. IT INCLUDES A STORM SYSTEM AND A DRY POND FOR WATER QUANTITY DETENTION.



**VICINITY MAP**  
SCALE: 1" = 1000'

**OWNER/DEVELOPER:**  
ALBEMARLE COUNTY SCHOOL BOARD  
5941 ROCKFISH GAP TURNPIKE  
CROZET, VA 22932  
CONTACT: JAMES ALLEN  
EMAIL: JALLEN2@K12ALBEMARLE.ORG  
TELEPHONE: (434) 975-9340

**ENGINEER OF RECORD:**  
TIMMONS GROUP  
608 PRESTON AVE SUITE 200  
CHARLOTTESVILLE, VA 22903  
CONTACT: JONATHAN SHOWALTER, P.E.  
EMAIL: JONATHAN.SHOWALTER@TIMMONS.COM  
TELEPHONE: (434) 327-1681

Sheet Number	Sheet Title
C0.0	COVER SHEET
C1.0	NOTES AND DETAILS
C1.1	NOTES AND DETAILS
C2.0	EXISTING CONDITIONS AND DEMOLITION PLAN
C3.0	EROSION & SEDIMENT CONTROL NOTES & DETAILS
C3.1	EROSION & SEDIMENT CONTROL NOTES & DETAILS
C3.2	EROSION AND SEDIMENT CONTROL PHASE 1
C3.3	EROSION AND SEDIMENT CONTROL PHASE 2
C4.0	LAYOUT PLAN
C5.0	GRADING AND DRAINAGE PLAN
C6.0	STORMWATER MANAGEMENT PLAN
C6.1	STORMWATER MANAGEMENT DETAILS
C6.2	INLET DRAINAGE AREA MAP
C7.0	STORM SEWER PROFILES
C8.0	SIGHT DISTANCE PROFILES
L1.0	LANDSCAPING PLAN

TOTAL: 16 SHEETS

SIGNATURE PANEL:		
DEPARTMENT OF COMMUNITY DEVELOPMENT,	APPROVAL	DATE
PLANNING & ZONING	_____	_____
ENGINEERING	_____	_____
INSPECTIONS	_____	_____
ARCHITECTURAL REVIEW BOARD	_____	_____
DEPARTMENT OF FIRE AND RESCUE	_____	_____
ALBEMARLE COUNTY SERVICE AUTHORITY	_____	_____
VIRGINIA DEPARTMENT OF TRANSPORTATION	_____	_____
HEALTH DEPARTMENT	_____	_____

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GENERAL NOTES

- 1. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR AS BUILT DOCUMENTATION, AS REQUIRED BY THE LOCALITY. THIS INCLUDES, BUT IS NOT LIMITED TO, TESTING, INSTALLATION DOCUMENTATION, SURVEY, ETC. ALL REQUIREMENTS SHALL BE DISCUSSED WITH THE LOCALITY PRIOR TO THE BEGINNING CONSTRUCTION.
2. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT VIRGINIA DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS AND STANDARDS.
3. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CONSULT THE ENGINEER AND VERIFY THE APPROVAL OF THE PLANS BY ALL FEDERAL, STATE AND LOCAL AGENCIES.
4. LAND USE PERMITS (LUP-A) MUST BE OBTAINED FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION PRIOR TO BEGINNING ANY CONSTRUCTION WITHIN THE EXISTING STATE MAINTAINED RIGHT OF WAY (INCLUDING ACCESS).
5. VDOT IS TO RECEIVE WRITTEN NOTIFICATION 48 HOURS PRIOR TO COMMENCING WITH INITIAL CONSTRUCTION ACTIVITIES.
6. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF ALL POINTS OF CONNECTION OR PROPOSED WORK TO EXISTING CURBS, SANITARY LINES, WATERLINES, ETC. PRIOR TO CONSTRUCTION.
7. UPON DISCOVERY OF SOILS THAT ARE UNSUITABLE FOR FOUNDATIONS, SUBGRADES, OR OTHER ROADWAY CONSTRUCTION PURPOSES, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE OWNER. THESE AREAS SHALL BE EXCAVATED BELOW PLAN GRADE AS DIRECTED BY THE OWNER'S REPRESENTATIVE, BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED IN ACCORDANCE WITH SPECIFICATIONS.
8. ALL STORM SEWER DESIGN AND CONSTRUCTION TO BE IN ACCORDANCE WITH VDOT STANDARDS. PRIOR TO TYING-IN PRIVATE STORMWATER PIPES, VIDEO INSPECTION OF EXISTING STORMWATER PIPES IS REQUIRED TO CONFIRM CONDITION.
9. ALL STORM SEWER PIPE SHALL BE REINFORCED TONGUE AND GROVE CONCRETE PIPE IN ACCORDANCE WITH ASTM-C-76. PIPE WITHIN THE RIGHT OF WAY SHALL BE MINIMUM CLASS III OR GREATER IN ACCORDANCE WITH CURRENT VDOT STANDARDS AND SPECIFICATIONS.
10. IF PRE-CAST UNITS ARE TO BE USED, VDOT SHALL BE NOTIFIED AND THE MANUFACTURER SHALL SUBMIT DRAWING DETAILS FOR REVIEW. CERTIFICATION AND VDOT STAMP WILL BE REQUIRED ON ALL UNITS.
11. ALL CONCRETE SHALL BE A3-AE (AIR ENTRAINED 3.000 PPS), UNLESS OTHERWISE NOTED.
12. ALL ENTRANCES ARE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CURRENT VDOT STANDARDS. DESIGN CHANGES, SPECIFIED MATERIALS CHANGES AND/OR FIELD CHANGES FROM THE APPROVED PLANS NEED TO BE RESUBMITTED TO THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. A LETTER OF EXPLANATION SHALL ACCOMPANY THE REVISED PLANS AND/OR THE DRAINAGE CALCULATIONS, WHICH MUST BE SUBMITTED AND APPROVED BY THE ENGINEER.
13. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHOWN ON PLANS IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON PLAN. IF THERE APPEARS TO BE A CONFLICT, AND/OR UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THIS PLAN, CALL MISS UTILITY OF CENTRAL VIRGINIA AT 1-800-552-7001. THE OWNER SHALL BE RESPONSIBLE FOR THE RELOCATION OF ANY UTILITY WITHIN EXISTING AND/OR PROPOSED RIGHT-OF-WAY REQUIRED BY THE DEVELOPMENT.
14. CASING SLEEVES SHALL BE PLACED AT ALL ROAD CROSSINGS FOR GAS, POWER, TELEPHONE AND CABLE TV SERVICE TRUNK LINES. (N/A)
15. THE INSTALLATION OF SEWER, WATER, AND GAS MAINS (INCLUDING SERVICE LATERALS AND SLEEVES) SHALL BE COMPLETED PRIOR TO THE PLACEMENT OF AGGREGATE BASE COURSE.
16. VDOT & ALBEMARLE COUNTY APPROVAL OF CONSTRUCTION PLANS DOES NOT PRECLUDE THE RIGHT TO REQUIRE ADDITIONAL FACILITIES AS DEEMED NECESSARY.
17. VDOT SHALL HAVE APPROVED THE AGGREGATE BASE COURSE(S) FOR DEPTH, TEMPLATE AND PERFORMED THE REQUIRED FIELD INSPECTION (PROOF ROLL) PRIOR TO PLACEMENT OF ANY SURFACE COURSE(S). CONTACT THE OWNER'S REPRESENTATIVE FOR INSPECTION FOR THE AGGREGATE BASE COURSE(S) 48 HOURS PRIOR TO APPLICATION OF THE SURFACE COURSE(S).
18. A PRIME COAT SEAL BETWEEN THE AGGREGATE BASE AND BITUMINOUS CONCRETE WILL BE REQUIRED AT THE RATE OF 0.30 GALLONS PER SQUARE YARD (REC-250 PRIME COAT) PER VDOT STANDARDS AND SPECIFICATIONS.
19. THE SCHEDULING OF AGGREGATE BASE INSTALLATION AND SUBSEQUENT PAVING ACTIVITIES SHALL ACCOMMODATE FORECAST WEATHER CONDITIONS PER SECTION 315 OF THE ROAD AND BRIDGE SPECIFICATIONS.
20. THE OWNER'S REPRESENTATIVE SHALL HAVE APPROVED THE AGGREGATE BASE COURSE(S) FOR DEPTH, TEMPLATE AND PERFORMED THE REQUIRED FIELD INSPECTION (PROOF ROLL) PRIOR TO PLACEMENT OF ANY SURFACE COURSE(S). CONTACT THE OWNER FOR INSPECTION FOR THE AGGREGATE BASE COURSE(S) 48 HOURS PRIOR TO APPLICATION OF THE SURFACE COURSE(S).
21. A GEOTECHNICAL ENGINEER IS TO ASCERTAIN CAUSE AND CERTIFY RECOMMENDED METHOD OF REPAIR FOR ALL PAVEMENT STRUCTURAL FAILURES PRIOR TO STATE ACCEPTANCE. (N/A)
22. ALL VEGETATION AND ORGANIC MATERIAL IS TO BE REMOVED FROM THE PROPOSED PAVEMENT LIMITS PRIOR TO CONDITIONING OF THE SUBGRADE.
23. CERTIFICATION AND SOURCE OF MATERIALS ARE TO BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR ALL MATERIALS AND BE IN ACCORDANCE WITH THE ROAD AND BRIDGE SPECIFICATIONS, AND ROAD AND BRIDGE STANDARDS.
24. APPROVAL OF A DETAILED CONSTRUCTION SEQUENCING/MAINTENANCE OF TRAFFIC NARRATIVE FOR THE WORK ZONE IS A PREREQUISITE FOR ISSUANCE OF A LAND USE PERMIT ALLOWING ACCESS TO AND CONSTRUCTION WITHIN VDOT MAINTAINED RIGHT OF WAY. (N/A)
25. GRADE LINES ON PROFILES DENOTE FINISHED GRADE OF CENTER LINE OF ROAD.
26. ALL APPROACH GUTTERS TO SAG INLETS SHALL MAINTAIN A MINIMUM SLOPE OF 0.004 ft/ft.
27. WHERE A TYPE "B" NOSE IS SPECIFIED ON AN INLET IN CONJUNCTION WITH ROLL FACE CURB AND GUTTER OR CG-7, THERE SHALL BE A 20' TRANSITION ON EACH SIDE OF THE INLET. (N/A)
28. CONTRACTOR SHALL PROVIDE A SEQUENCE OF CONSTRUCTION/MAINTENANCE OF TRAFFIC PLAN IN ACCORDANCE WITH THE STANDARDS AND GUIDELINES CONTAINED IN THE 2011 EDITION OF THE VIRGINIA WORK AREA PROTECTION MANUAL FOR REVIEW BY THE ENGINEER, OWNER'S REPRESENTATIVE, AND VDOT PRIOR TO STARTING WORK THAT IMPACTS TRAFFIC ON STATE ROADS.
29. ALL NEW HANDICAP ACCESSIBLE REQUIREMENTS ON-SITE AND WITHIN ALL NEW STRUCTURES SHALL COMPLY WITH THE 2015 UNIFORM STATEWIDE BUILDING CODE, 2015 VIRGINIA CONSTRUCTION CODE, 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, AND ICC/ANSI A117.1-03.
30. THE CLEAR ZONE IS TO BE FREE OF STORED MATERIALS AND PARKED EQUIPMENT.
31. HORIZONTAL AND VERTICAL SIGHT DISTANCES SHALL BE FREE OF PARKED VEHICLES.
32. ALL EXCAVATED AREAS WITHIN THE CLEAR ZONE THAT HAVE A DEPTH GREATER THAN 6" SHALL HAVE A 6:1 STONE WEDGE PLACED AT THE END OF THE DAY.
33. VISIBILITY OF ALL MECHANICAL EQUIPMENT FROM THE ENTRANCE CORRIDOR SHALL BE ELIMINATED.
34. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT HAVE A SURFACE SLOPE GREATER THAN 1:48. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACE THEY SERVE. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE BUILDING ENTRANCE. IN PARKING FACILITIES THAT DO NOT SERVE A PARTICULAR BUILDING, ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ROUTE TO AN ACCESSIBLE PEDESTRIAN ENTRANCE TO THE PARKING FACILITY. WHERE BUILDINGS HAVE MULTIPLE ACCESSIBLE ENTRANCES WITH ADJACENT PARKING, ACCESSIBLE PARKING SPACES SHALL BE DISPERSED AND LOCATED NEAR THE ACCESSIBLE ENTRANCES, ACCESSIBLE PARKING SPACES, ACCESS AISLES, AND ACCESSIBLE ROUTE SHALL BE INSTALLED IN ACCORDANCE WITH ICC ANS A117.1-09 AND THE 2015 VIRGINIA CONSTRUCTION CODE.
35. ALL WATER, SEWER, AND FIRE LINES REQUIRE NEW INSPECTION AND TESTING PROCEDURES. THE ACSA PERFORMS ANY TESTING AND INSPECTIONS OF THE PUBLIC SEWER AND WATER MAIN(S). THE ALBEMARLE COUNTY BUILDING INSPECTIONS DEPARTMENT (ACBID) DOES A VISUAL INSPECTION AND WITNESSES THE TESTING OF THE BUILDING DRAIN, WATER SERVICE PIPE, AND THE SPRINKLER LEAD-IN CONNECTION. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE TO RETAIN A SPECIAL INSPECTOR AS OUTLINED IN THE UPDATED ALBEMARLE COUNTY POLICY FOR SITE UTILITIES TO PERFORM THE VISUAL INSPECTION AND TESTING OF ALL UTILITIES NOT COVERED BY THE ACSA OR ACBID. THIS INCLUDES BUILDING SEWERS, WATER AND FIRE LINE BRANCHES BETWEEN THE MAIN AND THE METER(S)/BUILDING(S). THE SPECIAL INSPECTOR'S REPORT MUST BE SUBMITTED AND APPROVED BY THE ALBEMARLE COUNTY ENGINEERING DEPARTMENT PRIOR TO A CERTIFICATE OF OCCUPANCY BEING ISSUED.

ALBEMARLE COUNTY ENGINEERING GENERAL CONSTRUCTION NOTES

- 1. PRIOR TO ANY CONSTRUCTION WITHIN ANY EXISTING PUBLIC RIGHT OF WAY, INCLUDING CONNECTION TO ANY EXISTING ROAD, A PERMIT SHALL BE OBTAINED FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT). THIS PLAN AS DRAWN MAY NOT ACCURATELY REFLECT THE REQUIREMENTS OF THE PERMIT. WHERE ANY DISCREPANCIES OCCUR THE REQUIREMENTS OF THE PERMIT SHALL GOVERN.
2. ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO CURRENT SPECIFICATIONS AND STANDARDS OF VDOT.
3. EROSION AND SILTATION CONTROL MEASURES SHALL BE PROVIDED IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLAN AND MUST BE INSTALLED PRIOR TO ANY CLEARING, GRADING OR OTHER CONSTRUCTION.
4. ALL SLOPES AND DISTURBED AREAS ARE TO BE FERTILIZED, SEEDED AND MULCHED.
5. THE MAXIMUM ALLOWABLE SLOPE IS 2:1 (HORIZONTAL:VERTICAL), WHERE REASONABLY OBTAINABLE. LESSER SLOPES OF 3:1 OR BETTER ARE TO BE ACHIEVED.
6. PAVED, RIP-RAP OR STABILIZATION MAT LINED DITCH MAY BE REQUIRED WHEN IN THE OPINION OF THE COUNTY ENGINEER, OR DESIGNER, IT IS DEEMED NECESSARY IN ORDER TO STABILIZE A DRAINAGE CHANNEL.
7. ALL TRAFFIC CONTROL SIGNS SHALL CONFORM WITH THE VIRGINIA MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES. UNLESS OTHERWISE NOTED ALL CONCRETE PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS III.
8. ALL EXCAVATION FOR UNDERGROUND PIPE INSTALLATION MUST COMPLY WITH OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY (29 CFR PART 1926).
9. RETAINING WALLS GREATER THAN 3 FEET IN HEIGHT REQUIRE A SEPARATE BUILDING PERMIT. WALLS EXCEEDING 4 FEET IN HEIGHT REQUIRE A STAMPED ENGINEERED DESIGN ALSO. WALLS REQUIRE INSPECTIONS AS OUTLINED IN THE USBC.
10. ALL WATER LINES, SEWER LINES AND FIRE LINES FROM THE MAIN TO THE STRUCTURE MUST HAVE A VISUAL INSPECTION PERFORMED BY THE BUILDING DEPARTMENT.

BLASTING NOTES

- 1. BLASTING SHALL NOT BE PERMITTED ON THIS PROJECT.

ALBEMARLE COUNTY STORMWATER MANAGEMENT NOTES

- 1. ALL DAMS AND CONSTRUCTED FILL TO BE WITHIN 95% OF MAXIMUM DRY DENSITY AND 2% OF OPTIMUM MOISTURE CONTENT. ALL FILL MATERIAL TO BE APPROVED BY A GEOTECHNICAL ENGINEER. A GEOTECHNICAL ENGINEER IS TO BE PRESENT DURING CONSTRUCTION OF DAMS.
2. PIPE AND RISER JOINTS ARE TO BE WATERTIGHT WITHIN STORMWATER MANAGEMENT FACILITIES.
3. FOR TEMPORARY SEDIMENT TRAPS OR BASINS WHICH ARE TO BE CONVERTED TO PERMANENT STORMWATER MANAGEMENT FACILITIES, CONVERSION IS NOT TO TAKE PLACE UNTIL THE SITE IS STABILIZED, AND PERMISSION HAS BEEN OBTAINED FROM THE COUNTY EROSION CONTROL INSPECTOR.

ALBEMARLE COUNTY FIRE PREVENTION NOTES

- 1. SMOKING SHALL BE PROHIBITED ON SCHOOL PROPERTY.
2. PER THE VIRGINIA STATEWIDE FIRE PREVENTION CODE, VEHICULAR ACCESS FOR FIREFIGHTING SHALL BE PROVIDED AT ALL CONSTRUCTION AND DEMOLITION SITES. PROVIDE ACCESS TO WITHIN 100' OF TEMPORARY OR PERMANENT FIRE DEPARTMENT CONNECTIONS AND HAVE NO OVERHEAD WIRING OR OTHER OVERHEAD OBSTRUCTIONS LOWER THAN 13'-6". THIS ACCESS MAY BE VIA PERMANENT OR TEMPORARY ROAD, BUT SHALL BE CAPABLE OF SUPPORTING FIRE APPARATUS IN ALL WEATHER CONDITIONS.
3. CONTRACTOR SHALL ENSURE THE STREET NUMBERS ARE PLAINLY VISIBLE FROM THE FRONTAGE STREET DURING CONSTRUCTION PER THE VIRGINIA STATEWIDE FIRE CODE.
4. AN APPROVED WATER SUPPLY FOR FIREFIGHTING OPERATIONS SHALL BE IN PLACE AND AVAILABLE AS SOON AS COMBUSTIBLE MATERIALS ARRIVE ON SITE.
5. WASTE AND COMBUSTIBLE DEBRIS SHALL BE REMOVED FROM THE BUILDING AT THE END OF EACH DAY AND DISPOSED OF IN ACCORDANCE WITH THE VIRGINIA STATEWIDE FIRE CODE.
6. FIRE EXTINGUISHERS SHALL BE PROVIDED ON ALL FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED (WITH NOT LESS THAN ONE APPROVED FIRE EXTINGUISHER AT EACH STAIRWELL), IN EVERY STORAGE AND CONSTRUCTION SHED, AND IN AREAS OF SPECIAL HAZARDS, SUCH AS WHERE FLAMMABLE AND COMBUSTIBLE LIQUIDS ARE STORED OR USED, IN ACCORDANCE WITH THE VIRGINIA STATEWIDE FIRE CODE.
7. OPERATIONS INVOLVING THE USE OF CUTTING AND WELDING SHALL COMPLY WITH THE VIRGINIA STATEWIDE FIRE PREVENTION CODE AND SHALL REQUIRE A PERMIT FROM THE ALBEMARLE COUNTY FIRE MARSHAL'S OFFICE.

GENERAL CONSTRUCTION NOTES FOR EROSION AND SEDIMENT CONTROL

- 1. THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
7. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
8. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
9. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
10. ALL FILL MATERIAL TO BE TAKEN FROM AN APPROVED, DESIGNATED BORROW AREA.
11. ALL WASTE MATERIALS SHALL BE TAKEN TO AN APPROVED WASTE AREA. EARTH FILL SHALL BE INERT MATERIALS ONLY, FREE OF ROOTS, STUMPS, WOOD, RUBBISH, AND OTHER DEBRIS.
12. BORROW OR WASTE AREAS ARE TO BE RECLAIMED WITHIN 7 DAYS OF COMPLETION PER ZONING ORDINANCE SECTION 5.1.28.
13. ALL INERT MATERIALS SHALL BE TRANSPORTED IN COMPLIANCE WITH SECTION 13-301 OF THE CODE OF ALBEMARLE.
14. BORROW, FILL OR WASTE ACTIVITY INVOLVING INDUSTRIAL-TYPE POWER EQUIPMENT SHALL BE LIMITED TO THE HOURS OF 7:00AM TO 9:00PM.
15. BORROW, FILL OR WASTE ACTIVITY SHALL BE CONDUCTED IN A SAFE MANNER THAT MAINTAINS LATERAL SUPPORT, OR ORDER TO MINIMIZE ANY HAZARD TO PERSONS, PHYSICAL DAMAGE TO ADJACENT LAND AND STRUCTURES/IMPROVEMENTS, AND DAMAGE TO ANY PUBLIC STREET BECAUSE OF SLIDES, SINKING, OR COLLAPSE.
16. TEMPORARY STABILIZATION SHALL BE TEMPORARY SEEDING AND MULCHING. SEEDING IS TO BE AT 75 LBS/ACRE, AND IN THE MONTHS OF SEPTEMBER TO FEBRUARY TO CONSIST A 50/50 MIX OF ANNUAL RYEGRASS AND CEREAL WINTER RYE, OR IN MARCH AND APRIL TO CONSIST OF ANNUAL RYE, OR MAY THROUGH AUGUST TO CONSIST OF GERMAN MILLET. STRAW MULCH IS TO BE APPLIED AT 80LBS/100SF. ALTERNATIVES ARE SUBJECT TO APPROVAL BY THE COUNTY EROSION CONTROL INSPECTOR.
17. PERMANENT STABILIZATION SHALL BE LIME AND FERTILIZER, PERMANENT SEEDING, AND MULCH. AGRICULTURAL GRADE LIMESTONE SHALL BE APPLIED AT 90LBS/1000SF, INCORPORATED INTO THE TOP 4-6 INCHES OF SOIL. FERTILIZER SHALL BE APPLIED AT 100LBS/ACRE AND CONSIST OF A 10-20-10 NUTRIENT MIX. PERMANENT SEEDING SHALL BE APPLIED AT 180LBS/ACRE AND CONSIST OF 95% KENTUCKY 31 OR TALL FESCUE AND 0-5% PERENNIAL RYEGRASS OR KENTUCKY BLUEGRASS. STRAW MULCH IS TO BE APPLIED AT 80LBS/100SF. ALTERNATIVES ARE SUBJECT TO APPROVAL BY THE COUNTY EROSION CONTROL INSPECTOR.
18. MAINTENANCE: ALL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT. ANY DAMAGE OR CLOGGING TO STRUCTURAL MEASURES SHALL BE REPAIRED IMMEDIATELY. SILT TRAPS SHALL BE CLEANED WHEN 80% OF THE WET STORAGE VOLUME IS FILLED WITH SEDIMENT. ALL SEEDED AREAS SHALL BE RESEDED WHEN NECESSARY TO ACHIEVE A GOOD STAND OF GRASS. SILT FENCE AND DIVERSION DYKES WHICH COLLECT SEDIMENT TO HALF THEIR HEIGHT MUST BE CLEANED AND REPAIRED IMMEDIATELY.
19. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS OF FINAL SITE STABILIZATION, WHEN MEASURES ARE NO LONGER NEEDED, SUBJECT TO APPROVAL BY THE COUNTY EROSION CONTROL INSPECTOR.



THIS DRAWING PREPARED AT THE CHARLOTTEVILLE OFFICE 608 Preston Avenue, Suite 200 | Charlottesville, VA 22903 TEL: 534-292-9562 | FAX: 534-292-9517 | www.timmons.com

Table with 2 columns: REVISION, DESCRIPTION. Includes a row for DATE 04/02/2024.

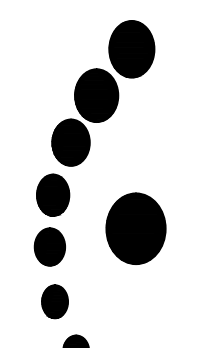
DATE 04/02/2024

DRAWN BY S. KIRBY

DESIGNED BY S. KIRBY

CHECKED BY J. SHOWALTER

SCALE N/A



TIMMONS GROUP WAHS PARKING LOT EXPANSION ALBEMARLE COUNTY, VA NOTES AND DETAILS

Table with 2 columns: JOB NO. 57006.002, SHEET NO. C1.0

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6/25/2021

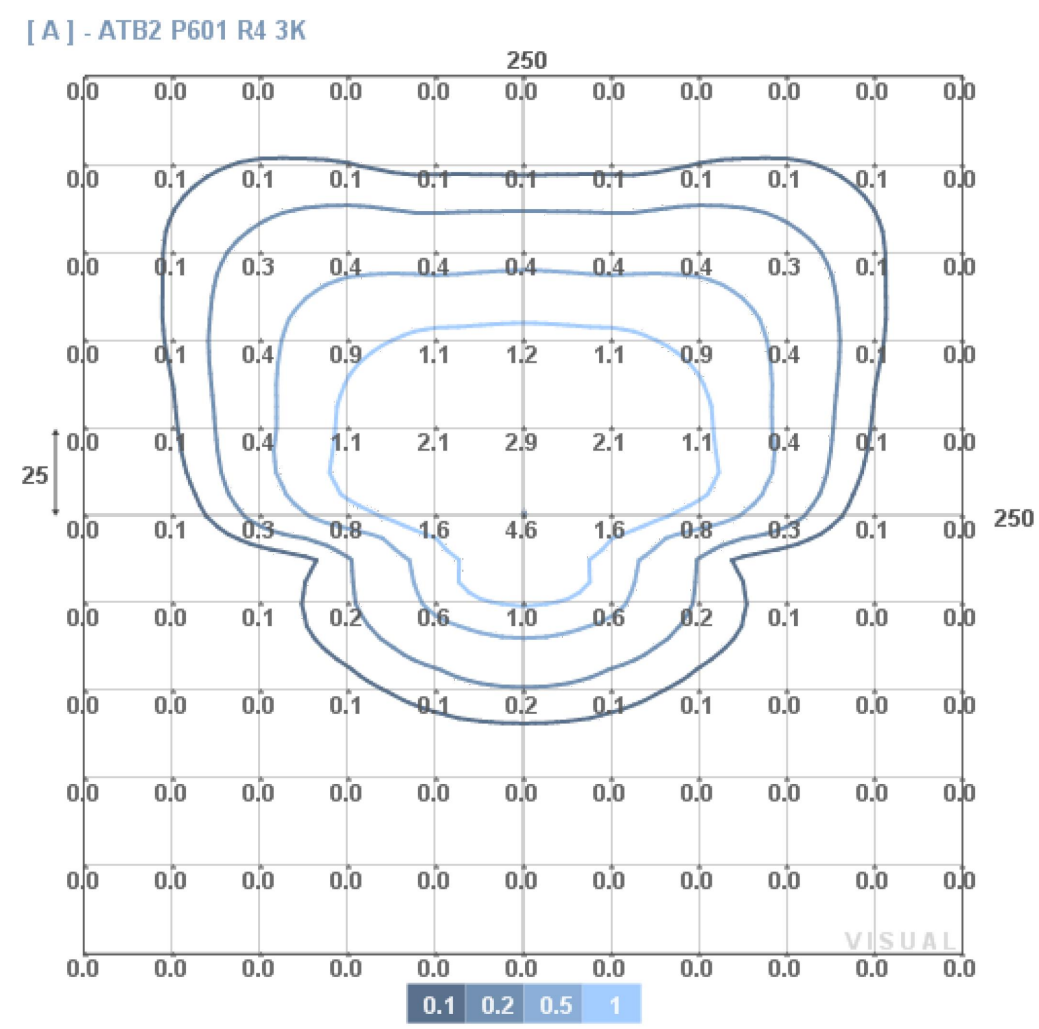
Template Print

### Visual - Template Tool



Design Information  
Project Description

Name: Company: Phone: Email:  
Friday, June 25, 2021



### [ A ] - ATB2 P601 R4 3K



Manufacturer	American Electric Lighting Configuration	Single
Lamp Lumens	23760 Orientation	Single
Lamp Quantity	1 Mounting Height	25
Light Loss Factor	.9 Arm Length	1
Input Power	175 Tilt	0
Max Illuminance	5 Area > 0.5fc	11836

These lighting calculation results are for general informational purposes only and are provided without warranty as to accuracy, completeness, reliability or otherwise. Results are based on user provided data and data provided from publicly available sources. Actual field conditions may affect calculated output. Visit [www.Visual-3D.com](http://www.Visual-3D.com)

NOTE: FOOTCANDLE MEASUREMENTS WITHIN THE PROPERTY WILL BE BELOW 0.5 FOOTCANDLES AT DISTANCES SHOWN IN THE DETAIL ABOVE WHICH COMPLIES WITH SECTION 4/17/4 (b) OF THE ALBEMARLE COUNTY ZONING ORDINANCE.

<https://www.visual-3d.com/tools/templatePrint.aspx?SessionID=2809759>

1/1

ELLIPTICAL UPSWEEP ARMS FOR CONCRETE AND COMPOSITE POLES

Length: 10' Rise: 39 (Inch) Color: Aluminum

Stock Number: 66089000  
Compatible Unit: BKTTT10FT

BASIC SMOODX

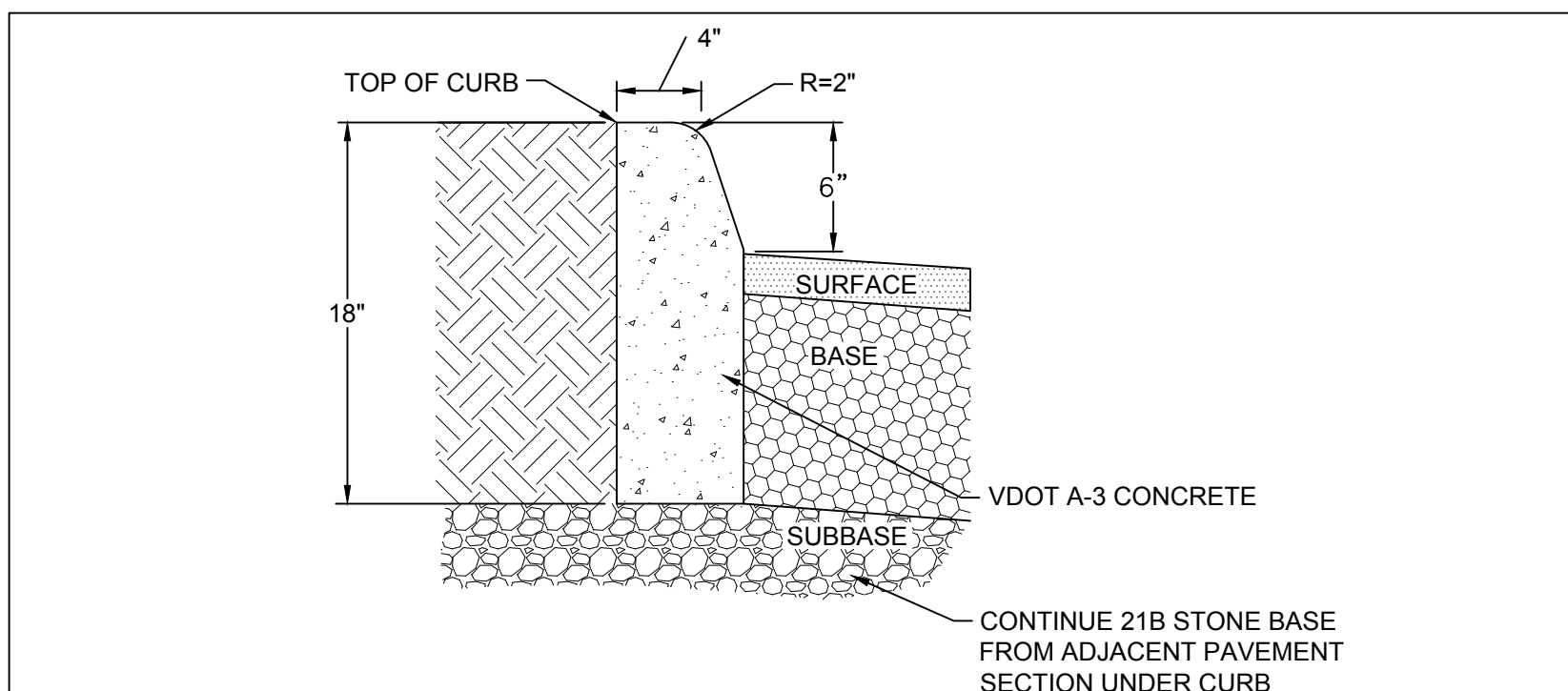
Equivalent Wattage: 400 Lumens: 29621 Color: Gray Temperature: 3000K Light Pattern: IV

Stock Number: 42329954  
Compatible Unit: L27588A22488XX  
Style: Basic Tier 7 Mounting Height: 9' - 48 feet

SMOOTH ROUND TAPERED CONCRETE POLE FOR SIDEWALK LIGHT DUTY

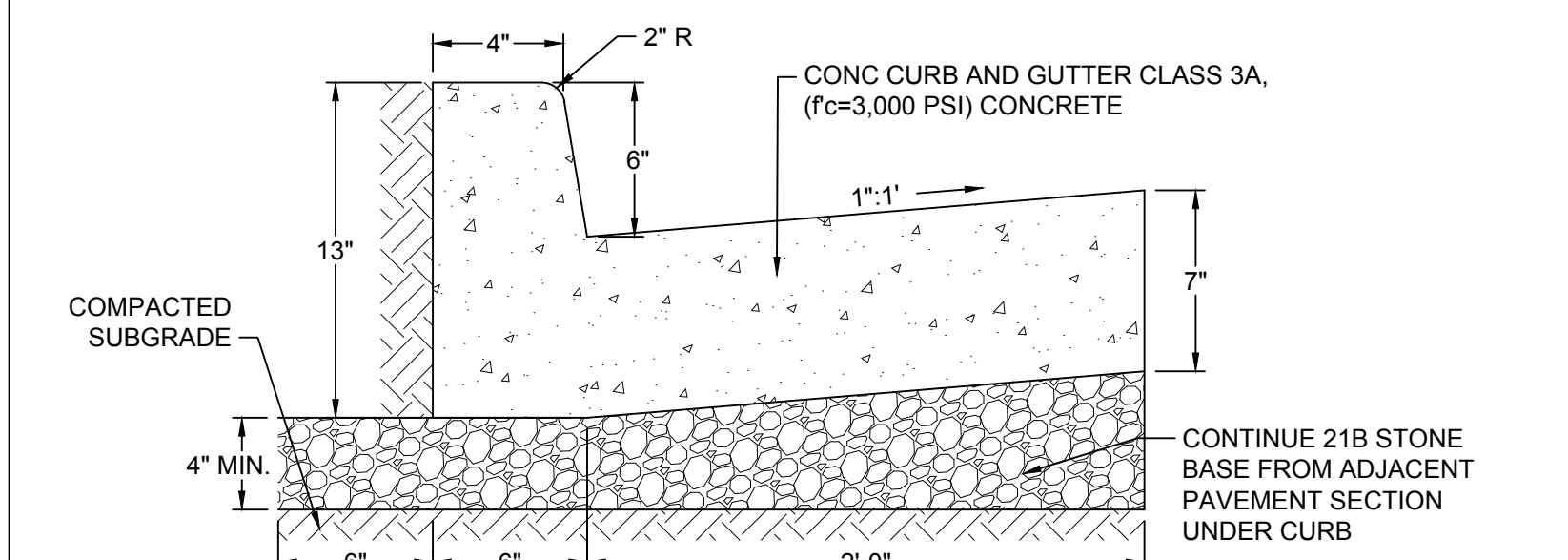
Total Pole Length: 15' Color: Gray Fixture Mounting Height: 28 (feet) Bolt Diameter: 1/2" Pole Class: 4

Stock Number: 50333090  
Compatible Unit: FC3002



VDOT STANDARD CG-2 CURB

No Scale



VDOT STANDARD CG-6 CURB & GUTTER

No Scale

CG-12

**GENERAL NOTES:**

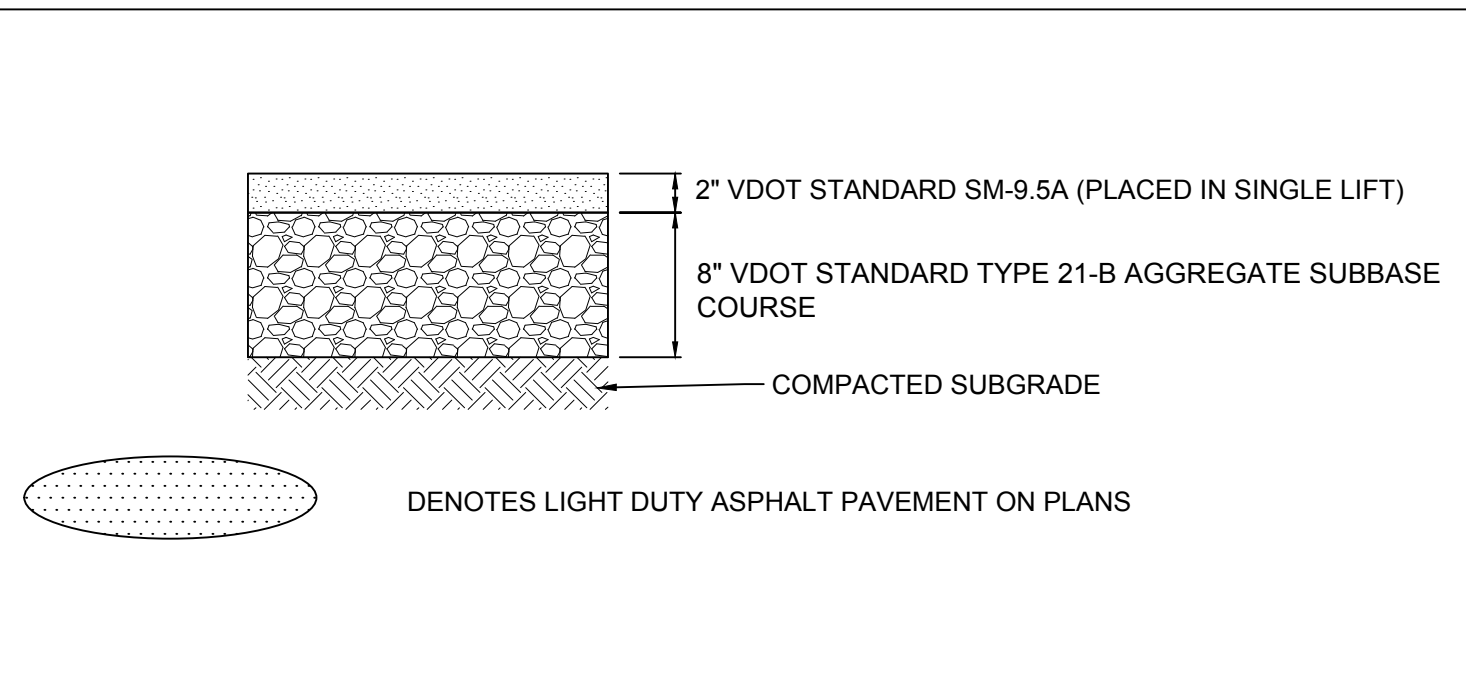
1. THE DETECTABLE WARNING SHALL BE PROVIDED BY TRUNCATED DOMES.
2. DETECTABLE WARNING SHALL BE FROM THE MATERIALS APPROVED LIST FOR DETECTABLE WARNING SURFACES. PRODUCTS NOT LISTED SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION FOR CG-12 DETECTABLE WARNING SURFACE AND SHALL BE SUBMITTED TO THE STANDARDS AND SPECIAL DESIGN SECTION FOR APPROVAL.
3. SLOPING SIDES OF CURB RAMP MAY BE POURED MONOLITHICALLY WITH RAMP FLOOR OR BY USING PERMISSIBLE CONSTRUCTION JOINT WITH REQUIRED BARS.
4. IF RAMP FLOOR IS PRECAST, HOLES MUST BE PROVIDED FOR DOWEL BARS SO THAT ADJOINING FLARED SIDES CAN BE CAST IN PLACE AFTER PLACEMENT OF PRECAST RAMP FLOOR. PRECAST CONCRETE SHALL BE CLASS A-4.
5. REQUIRED BARS ARE TO BE NO. 5 X 8" PLACED 1' CENTER TO CENTER ALONG BOTH SIDES OF THE RAMP FLOOR, MID-DEPTH OF RAMP FLOOR. MINIMUM CONCRETE COVER 1/2".
6. CURB / CURB AND GUTTER SLOPE TRANSITIONS ADJACENT TO CURB RAMP ARE INCLUDED IN PAYMENT FOR CURB / CURB AND GUTTER.
7. CURB RAMP ARE TO BE LOCATED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THEY ARE TO BE PROVIDED AT INTERSECTIONS WHEREVER AN ACCESSIBLE ROUTE WITHIN THE RIGHT OF WAY OF A HIGHWAY FACILITY CROSSES A CURB REGARDLESS OF WHETHER SIDEWALK IS EXISTING, PROPOSED, OR NONEXISTENT. THEY MUST BE LOCATED WITHIN PEDESTRIAN CROSSWALKS AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER AND SHOULD NOT BE LOCATED BEHIND VEHICLE STOP LINES, EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. ACCESSIBLE ROUTES PROVIDE A CONTINUOUS UNOBSTRUCTED STABLE FIRM AND SLIP RESISTANT PATH CONNECTING ALL ACCESSIBLE ELEMENTS OF A FACILITY THAT CAN BE APPROACHED, ENTERED AND USED BY PEDESTRIANS.
8. RAMP MAY BE PLACED ON RADIAL OR TANGENTIAL SECTIONS PROVIDED THAT THE CURB OPENING IS PLACED WITHIN THE LIMITS OF THE CROSSWALK AND THAT THE SLOPE AT THE CONNECTION OF THE CURB OPENING IS PERPENDICULAR TO THE CURB.
9. TYPICAL CONCRETE SIDEWALK IS 4" THICK. WHEN THE ENTRANCE RADIUS CANNOT ACCOMMODATE THE TURNING REQUIREMENTS OF ANTICIPATED HEAVY TRUCK TRAFFIC REFER TO STANDARD 601.3 COMMERCIAL ENTRANCE HEAVY TRUCK TRAFFIC FOR CONCRETE DEPTH.
10. WHEN CURB RAMP ARE USED IN CONJUNCTION WITH A SHARED USE PATH, THE MINIMUM WIDTH SHALL BE THE WIDTH OF THE SHARED USE PATH.
11. WHEN ONLY ONE CURB RAMP IS PROVIDED FOR TWO CROSSINGS (DIAGONAL), A 4' X 4' LANDING AREA SHALL BE PROVIDED TO MANEUVER A WHEELCHAIR INTO THE CROSSWALK WITHOUT GOING INTO THE TRAVELWAY. THIS 4' X 4' LANDING AREA MAY INCLUDE THE GUTTER PAN.
12. ALL CASES WHERE CURB RAMP INTERSECT A RADIAL SECTION OF CURB AT ENTRANCES OR STREET CONNECTIONS THE DETECTABLE WARNING SURFACE SHALL HAVE A FACTORY RADIUS OR BE FIELD-MODIFIED AS RECOMMENDED BY THE MANUFACTURER TO MATCH THE BACK OF CURB.

NOTE: COMPONENTS OF CURB RAMP CONSIST OF THE FOLLOWING:  
HYDRAULIC CEMENT SIDEWALK (DEPTH IN INCHES, AREA IN SQUARE YARDS)  
CURB WHEN REQUIRED (CG-2 OR CG-1 IN LINEAR FEET)  
DETECTABLE WARNING SURFACE (AREA IN SQUARE YARDS)  
EACH OF THE ABOVE ITEMS IS A SEPARATE PAY ITEM AND SHOULD BE SUMMARIZED FOR EACH CURB CUT RAMP.

TYPE A PERPENDICULAR  
TYPE B PARALLEL  
TYPE C PARALLEL & PERPENDICULAR

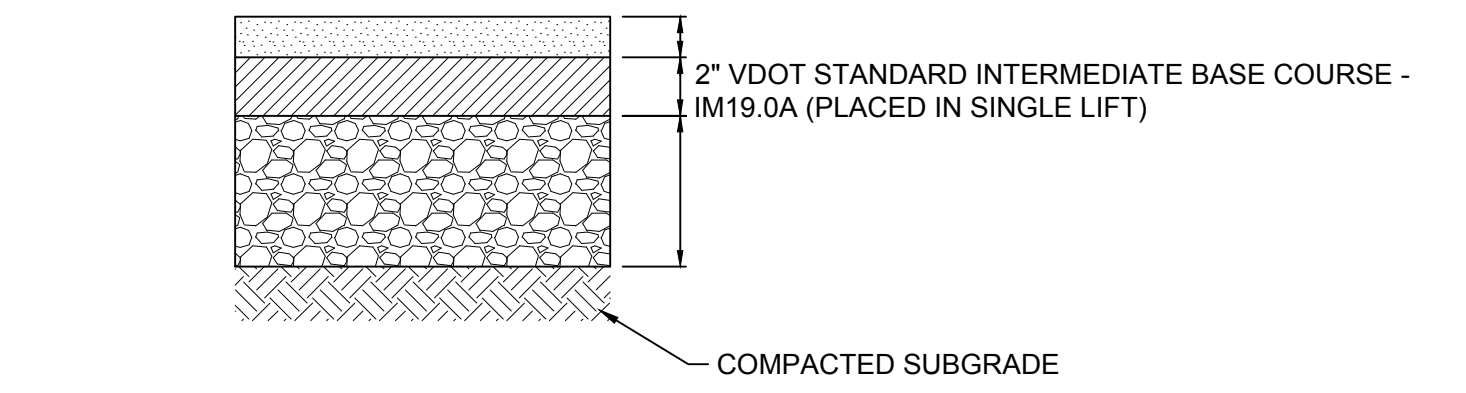
DETECTABLE WARNING INSTALLED ON A RADIUS  
TRUNCATED DOME  
DETECTABLE WARNING DETAIL

ROAD AND BRIDGE STANDARDS	CG-12 DETECTABLE WARNING SURFACE (GENERAL NOTES)	SPECIFICATION REFERENCE
SHEET 1 OF 5	REVISION DATE: 07/19	105 502
203.05		VIRGINIA DEPARTMENT OF TRANSPORTATION



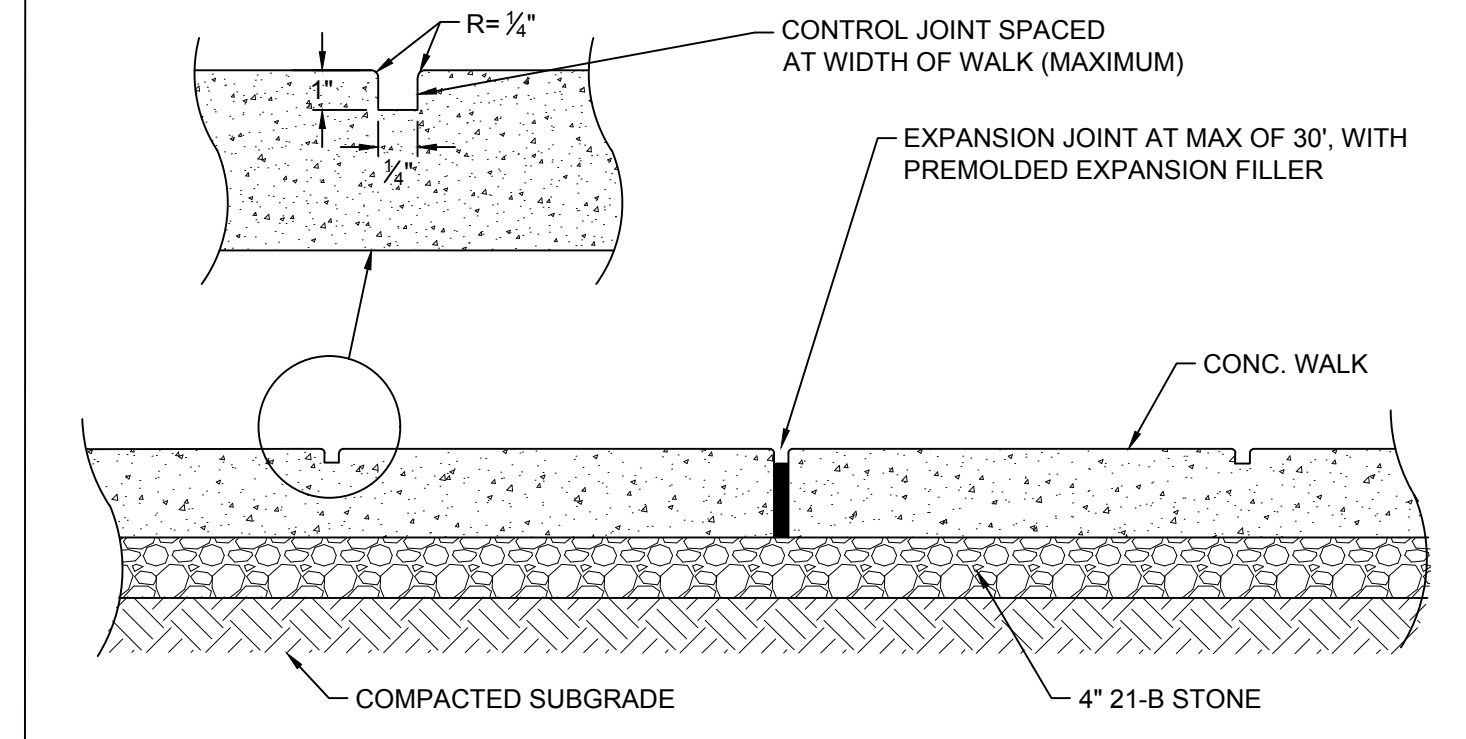
LIGHT DUTY ASPHALT PAVEMENT SECTION

No Scale



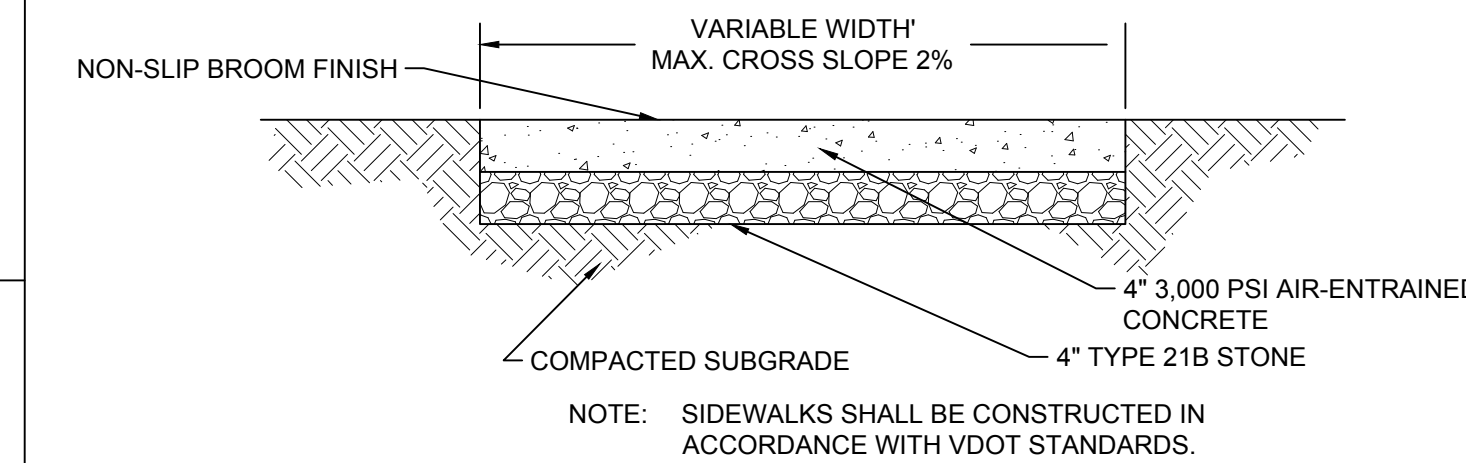
HEAVY DUTY ASPHALT PAVEMENT SECTION

No Scale



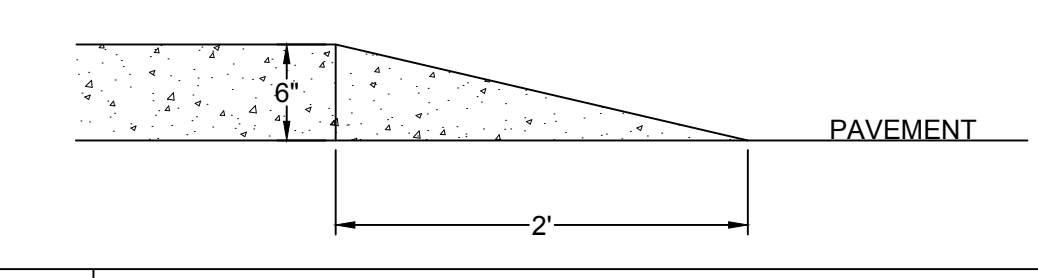
CONCRETE SIDEWALK JOINT DETAIL

No Scale



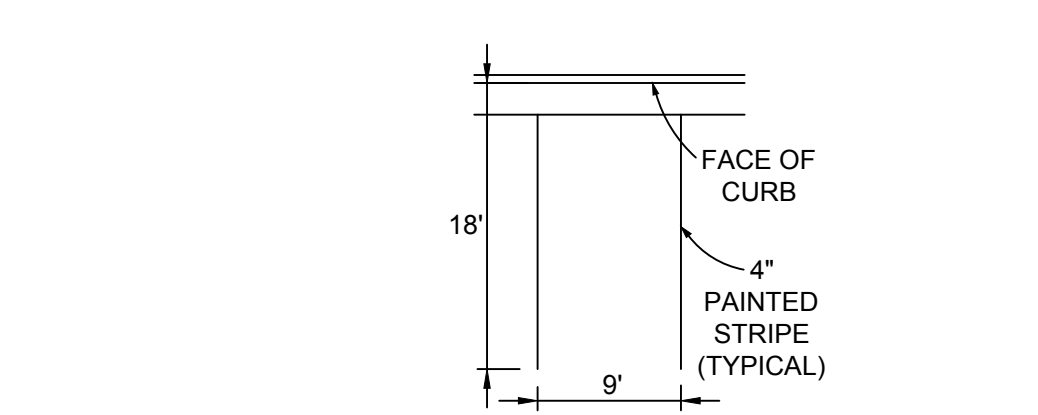
CONCRETE SIDEWALK PAVEMENT SECTION

No Scale



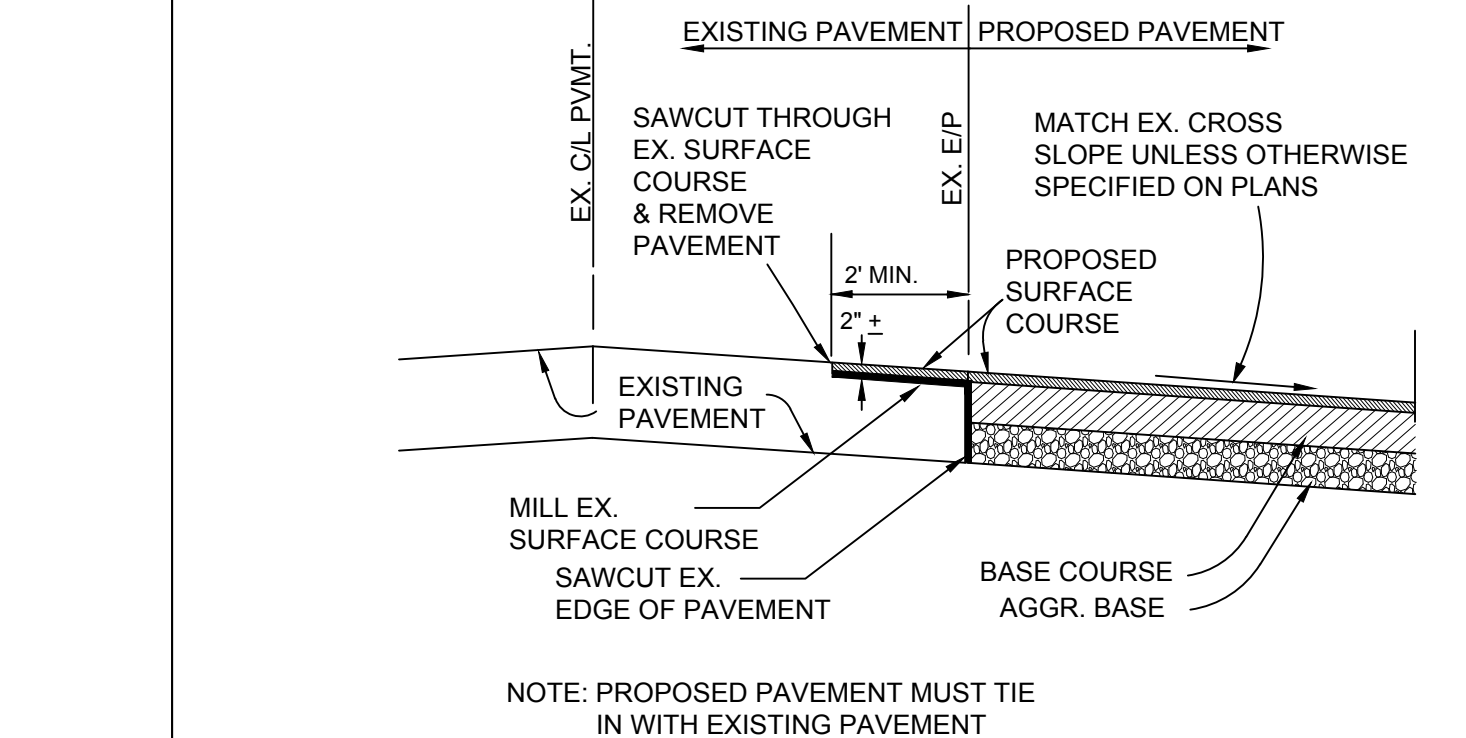
CURB WIPE DOWN DETAIL

No Scale



TYPICAL PARKING SPACE DETAILS

No Scale



PAVEMENT REPLACEMENT JOINT DETAIL

No Scale



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REVISION DESCRIPTION	
DATE	
DATE	04/02/2024
DRAWN BY	S. KIRBY
DESIGNED BY	S. KIRBY
CHECKED BY	J. SHOWALTER
SCALE	N/A

# TIMMONS GROUP

WAHS PARKING LOT EXPANSION  
ALBEMARLE COUNTY, VA

## NOTES AND DETAILS

JOB NO. 57006.002  
SHEET NO. C1.1

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S:\10357006.002\WAHS\_Parking\_Lot\_Expansion\_Ph\_1\DWG\Sheet\CD27006.002-103-C1-D1\TOPD.dwg [Printed on 4/2/2024 1:30 PM] by Scott Kirby



**DEMOLITION LEGEND**

	REMOVE TREES
	MILL AND OVERLAY
	SAWCUT LINE



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REVISION DESCRIPTION	DATE
	04/02/2024

DRAWN BY  
**S. KIRBY**

DESIGNED BY  
**S. KIRBY**

CHECKED BY  
**J. SHOWALTER**

SCALE  
1" = 20'

**TIMMONS GROUP**

**WAHS PARKING LOT EXPANSION**  
ALBEMARLE COUNTY, VA

**EXISTING CONDITIONS AND DEMOLITION PLAN**

JOB NO.  
**57006.002**

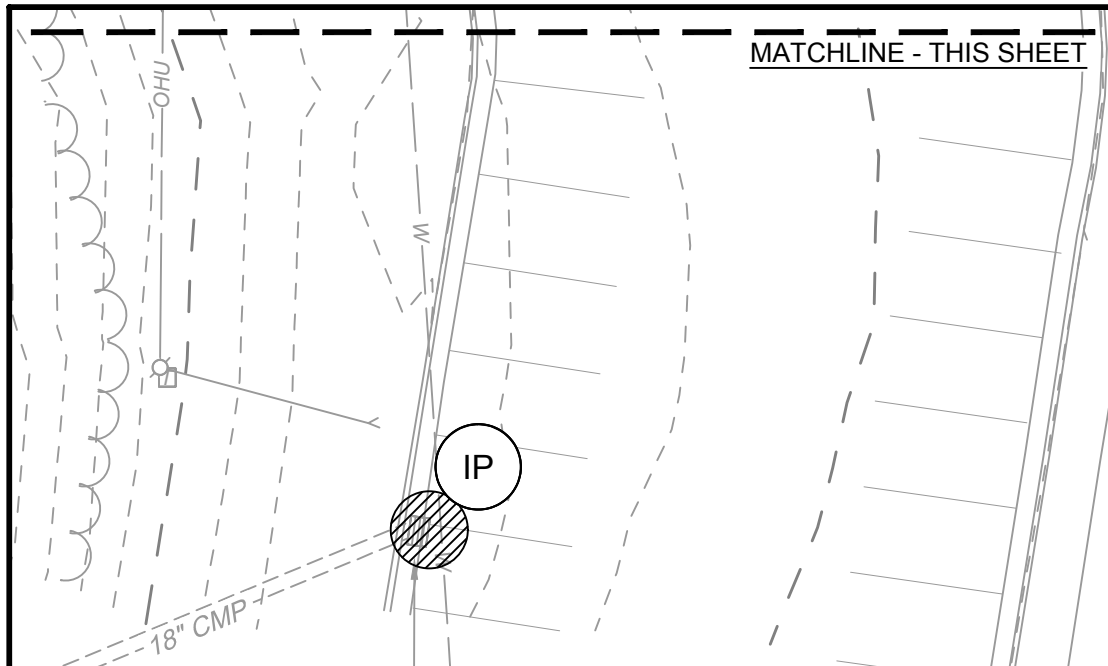
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**C2.0**

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TMP 55-106A  
TROY & CHERYL JOHNSON  
INST. NO. 2200002517

LINE LOCATION PER ACSA

N75°39'18"E 372.12'

STEP CURB DOWN TO BE FLUSH WITH EDGE OF RAMP AND THEN TRANSITION BACK TO STANDARD 6" HIGH AT END OF RAMP TO THE NORTH.

ROCK ARMOR

APPROXIMATE LINE FROM ACS

EMBANKMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALBEMARLE COUNTY STORMWATER MANAGEMENT NOTES 1 AND 2 ON SHEET C1.0. OWNER WILL HIRE ON SITE GEOTECHNICAL ENGINEER FOR INSPECTIONS AND TESTING DURING CONSTRUCTION. CONTRACTOR TO COORDINATE SCHEDULING OF TESTING AND INSPECTIONS IN PRECONSTRUCTION MEETING. POND SHALL BE CONSTRUCTED IN ACCORDANCE WITH VIRGINIA STORMWATER BMP CLEARINGHOUSE 2011 SPECS APPENDIX A EARTHEN ABANDONMENTS, APPENDIX B PRINCIPAL SPILLWAYS, AND APPENDIX C VEGETATED EMERGENCY SPILLWAY.

LEVEL SPREADER 1:  
TIMBER LENGTH = 20'  
GRADE FLUSH WITH TOP  
OF TIMBER = 671.5'  
SEE DETAIL ON SHEET C6.1

LIMITS OF DISTURBANCE: 0.97 AC.

8' WIDE VEGETATED EMERGENCY SPILLWAY, ELEV: 478.00'  
FIBER OPTIC MARKER

EROSION CONTROL LEGEND	
	LIMITS OF CLEARING AND GRADING
	DRAINAGE DIVIDE
	SOIL AREA DIVIDE
	CONSTRUCTION ENTRANCE 3.02
	SILT FENCE 3.05
	INLET PROTECTION 3.07
	CULVERT INLET PROTECTION 3.08
	DIVERSION DIKE 3.09
	RIGHT-OF-WAY DIVERSION 3.11
	SEDIMENT TRAP 3.13
	TEMPORARY SEEDING 3.31
	PERMANENT SEEDING 3.32
	MULCHING 3.35
	TREE PROTECTION FENCE 3.38
	DUST CONTROL 3.39

S:\10357006\002-WAHS\_Parking\_Lot\_Expansion\_Ph1\_IDWG\Sheet\CD\7006.002-103-C3-3-EROC.dwg | Plotted on 4/20/2024 1:32 PM by Scott Kirby

\* "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK" SPECIFICATION NUMBER



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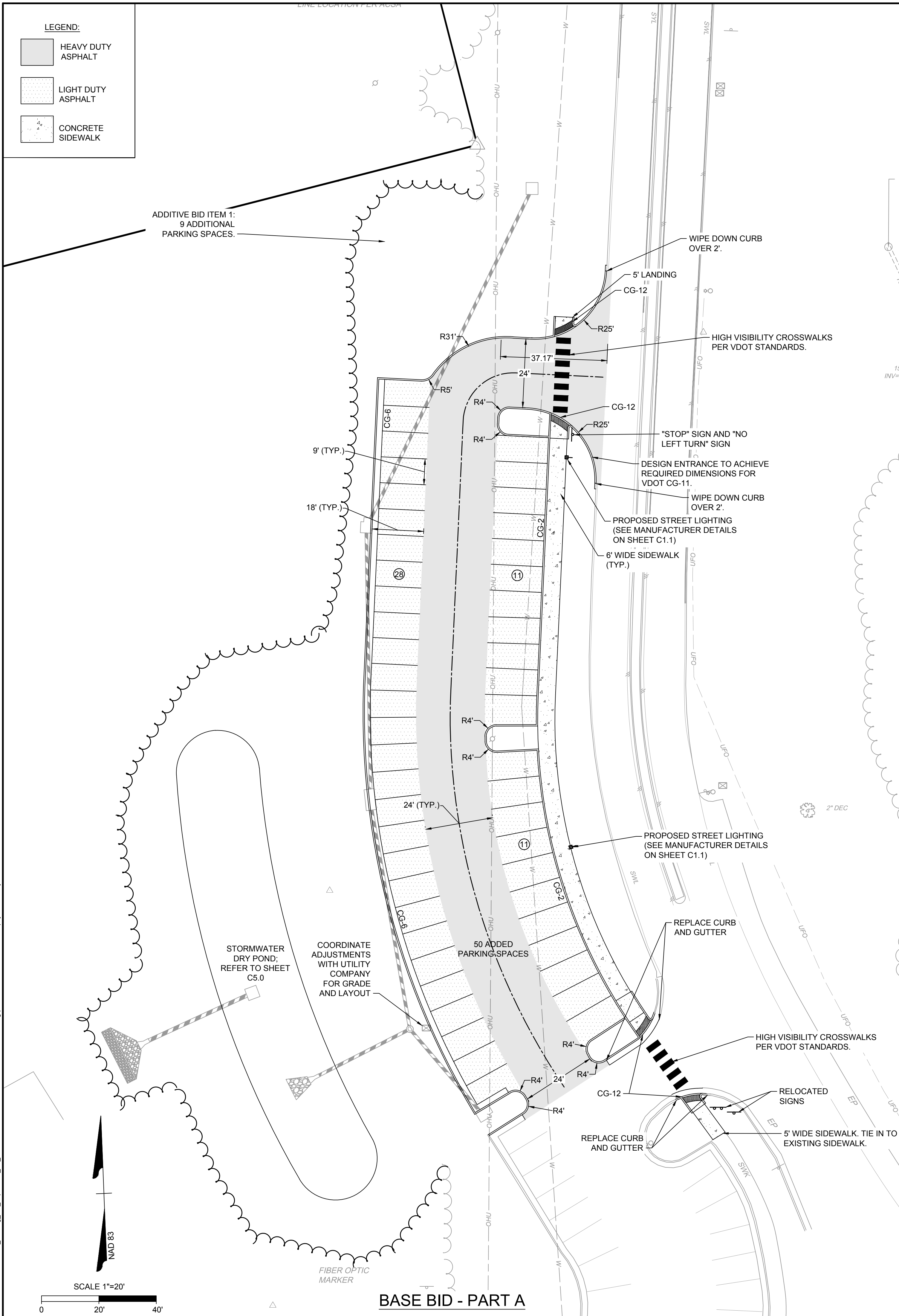
DATE: 04/02/2024  
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DESIGNED BY: S. KIRBY  
CHECKED BY: J. SHOWALTER  
SCALE: 1" = 20'

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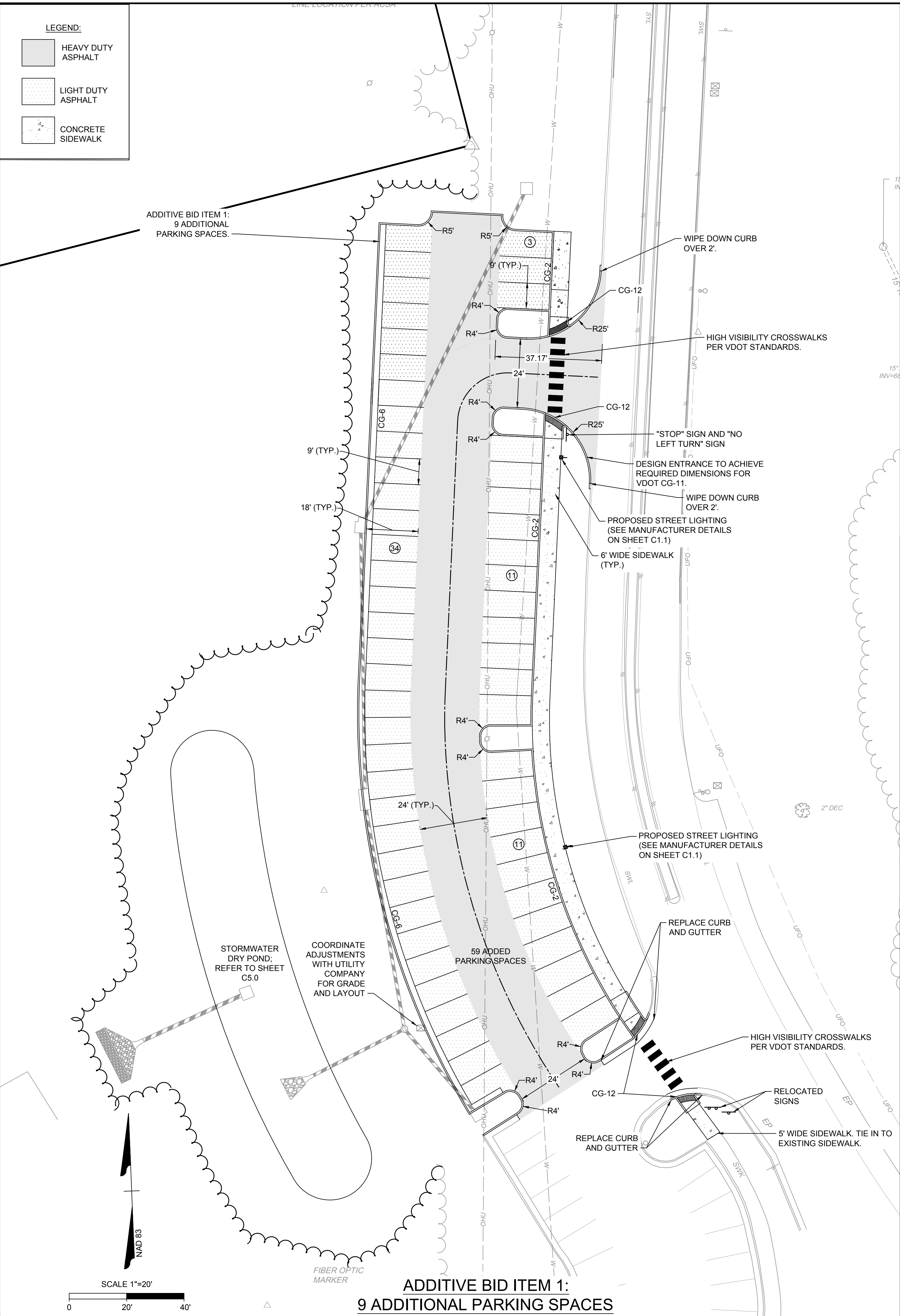
WAHS PARKING LOT EXPANSION  
ALBEMARLE COUNTY, VA  
EROSION AND SEDIMENT CONTROL PHASE 2

JOB NO. 57006.002  
SHEET NO. C3.3

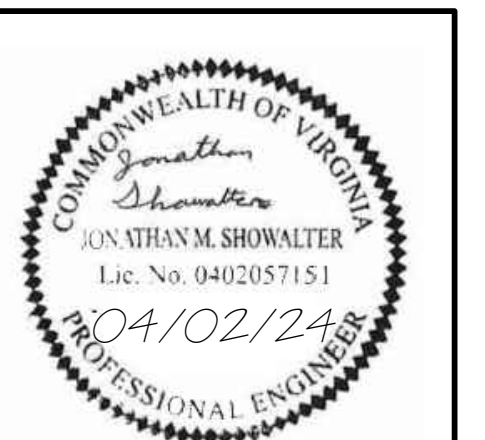
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BASE BID - PART A



ADDITIVE BID ITEM 1:  
9 ADDITIONAL PARKING SPACES



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 DRAWN BY: S. KIRBY  
 DESIGNED BY: S. KIRBY  
 CHECKED BY: J. SHOWALTER  
 SCALE: 1" = 20'

**WAHS PARKING LOT EXPANSION**  
 ALBEMARLE COUNTY, VA  
**LAYOUT PLAN**

JOB NO.	57006.002
SHEET NO.	C4.0

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**Weir Report**

Hydraulics Express Extension for Autodesk® Civil 3D® by Autodesk, Inc.

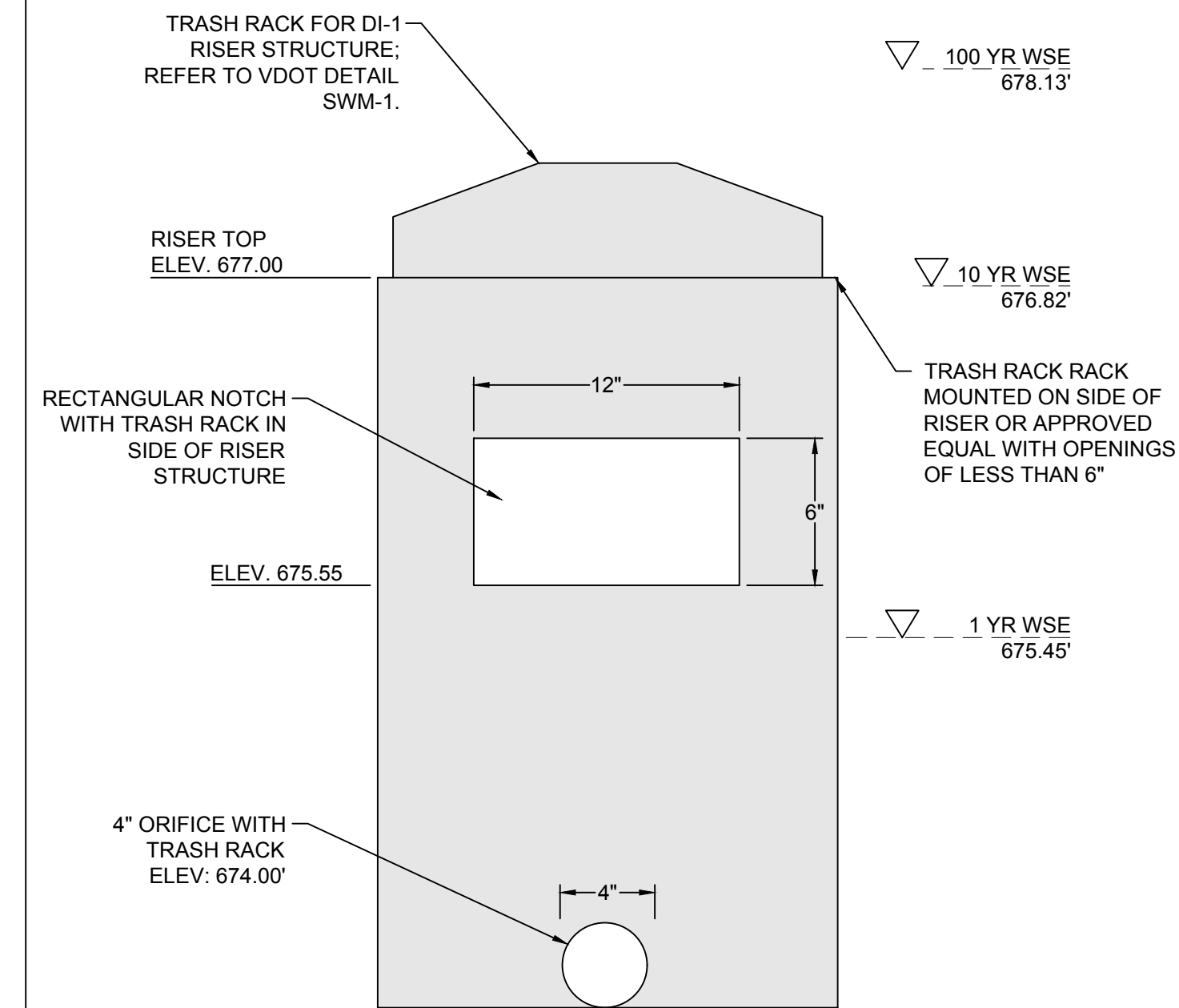
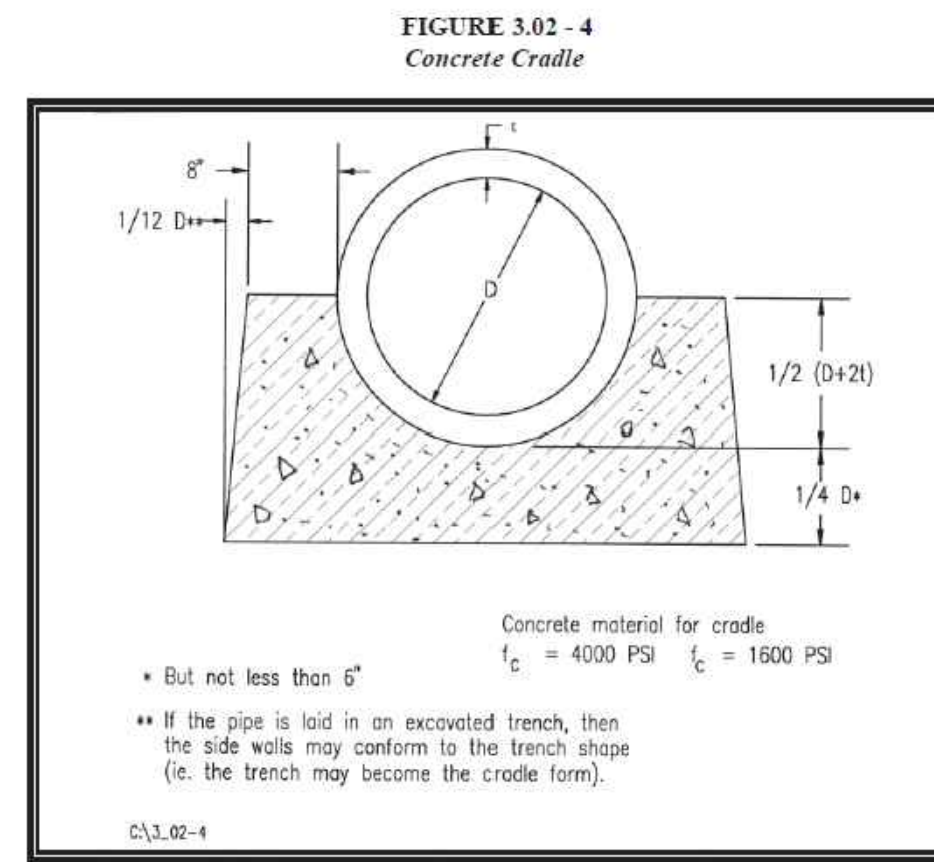
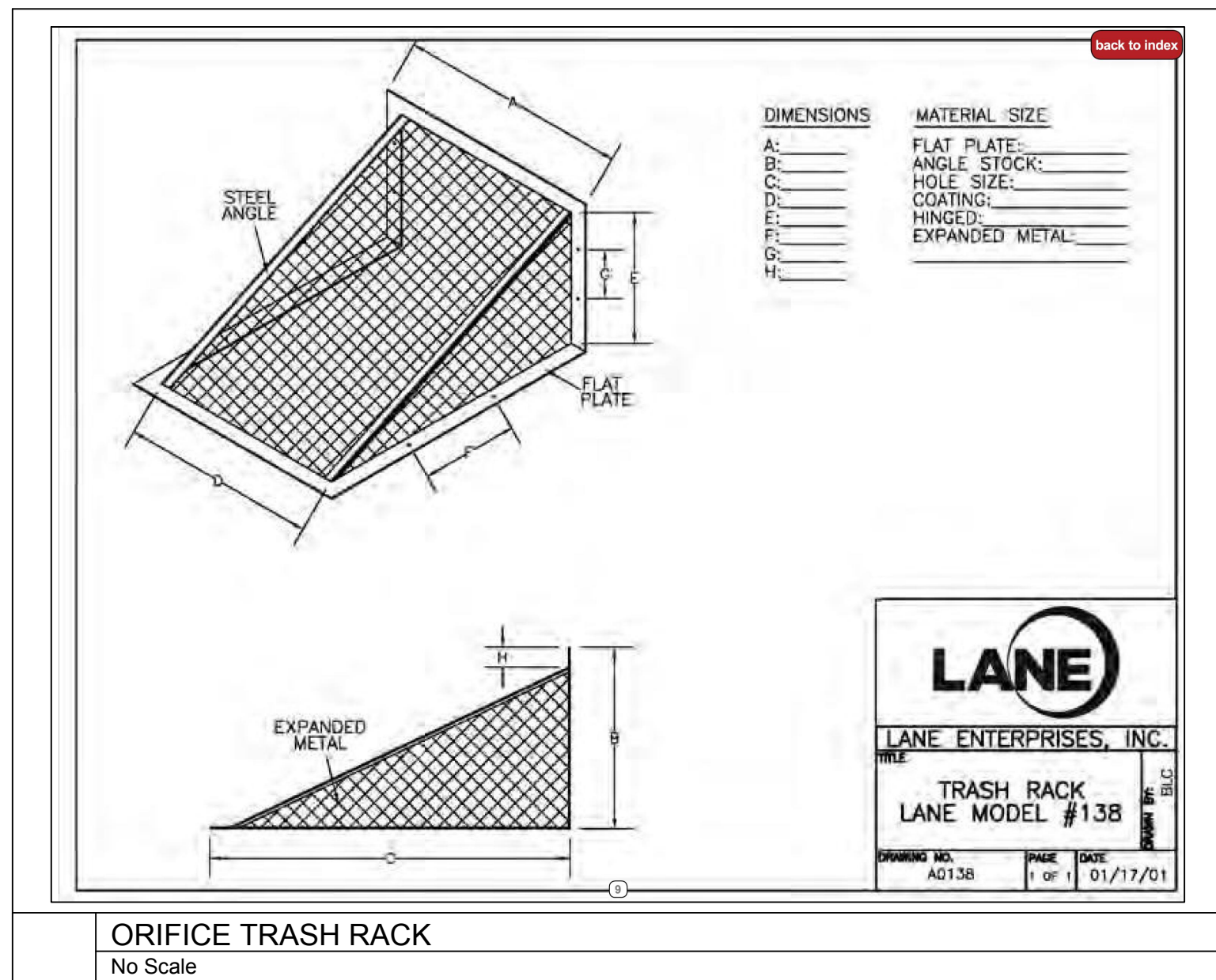
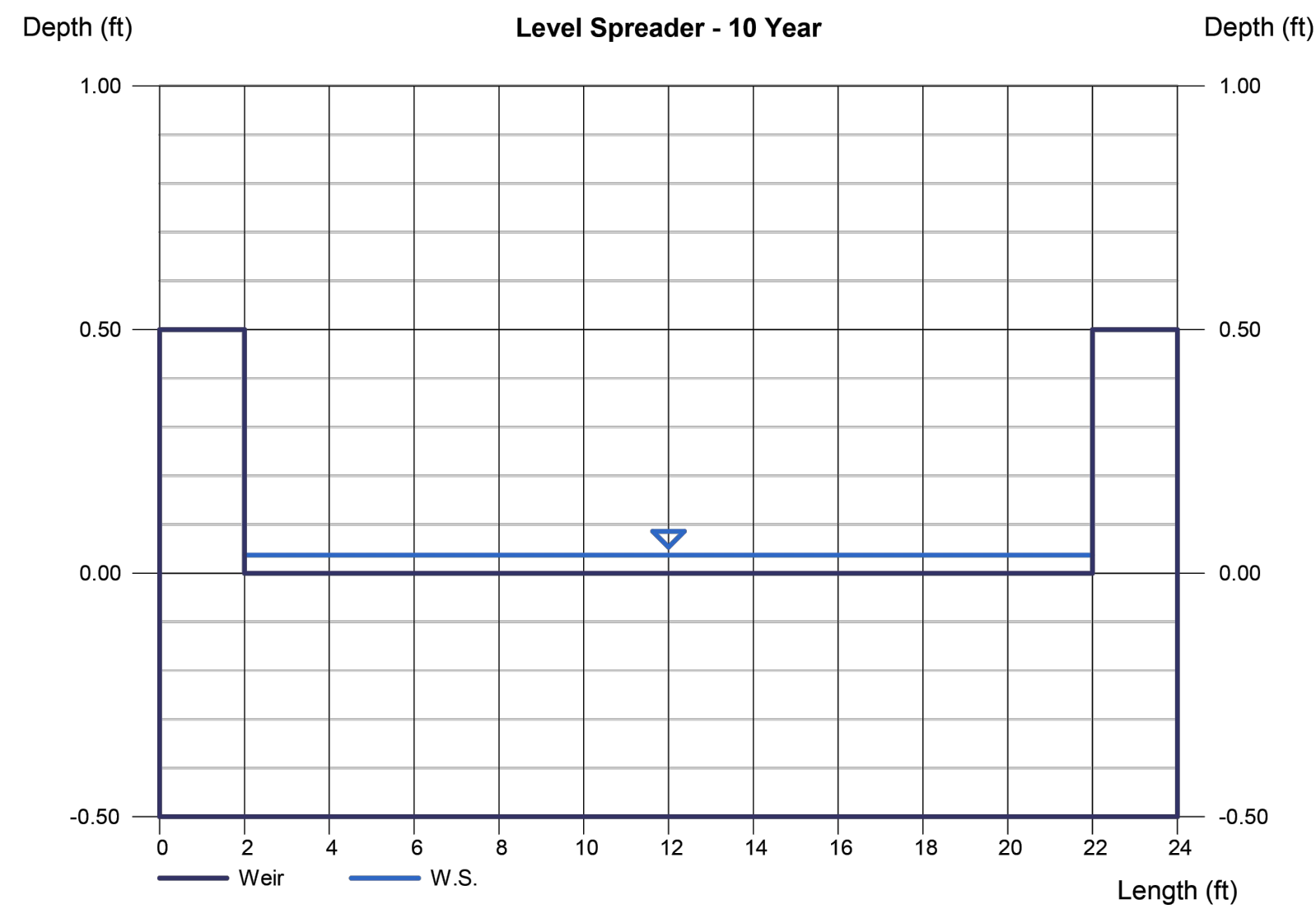
Thursday, Sep 28 2023

**Level Spreader - 10 Year**

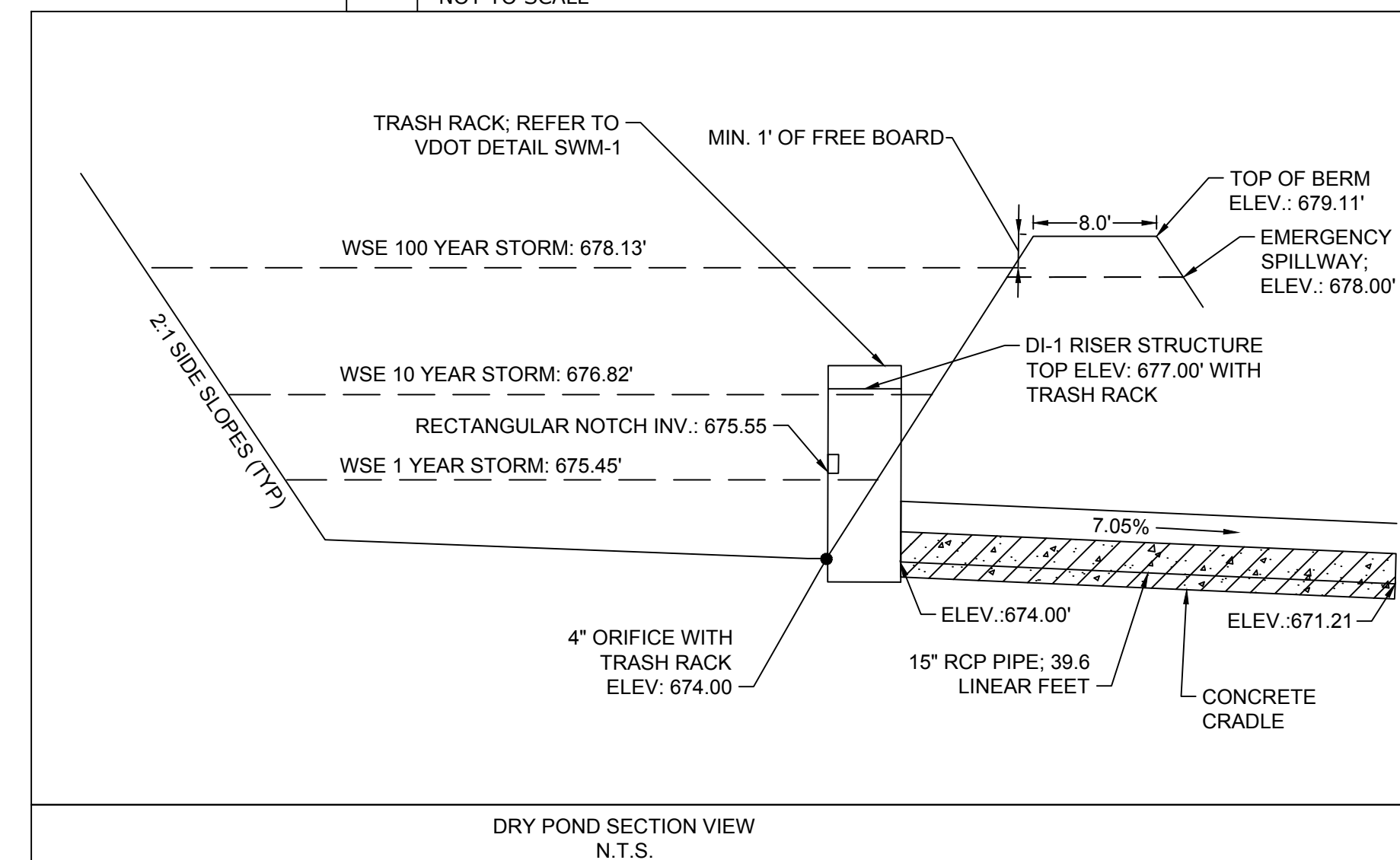
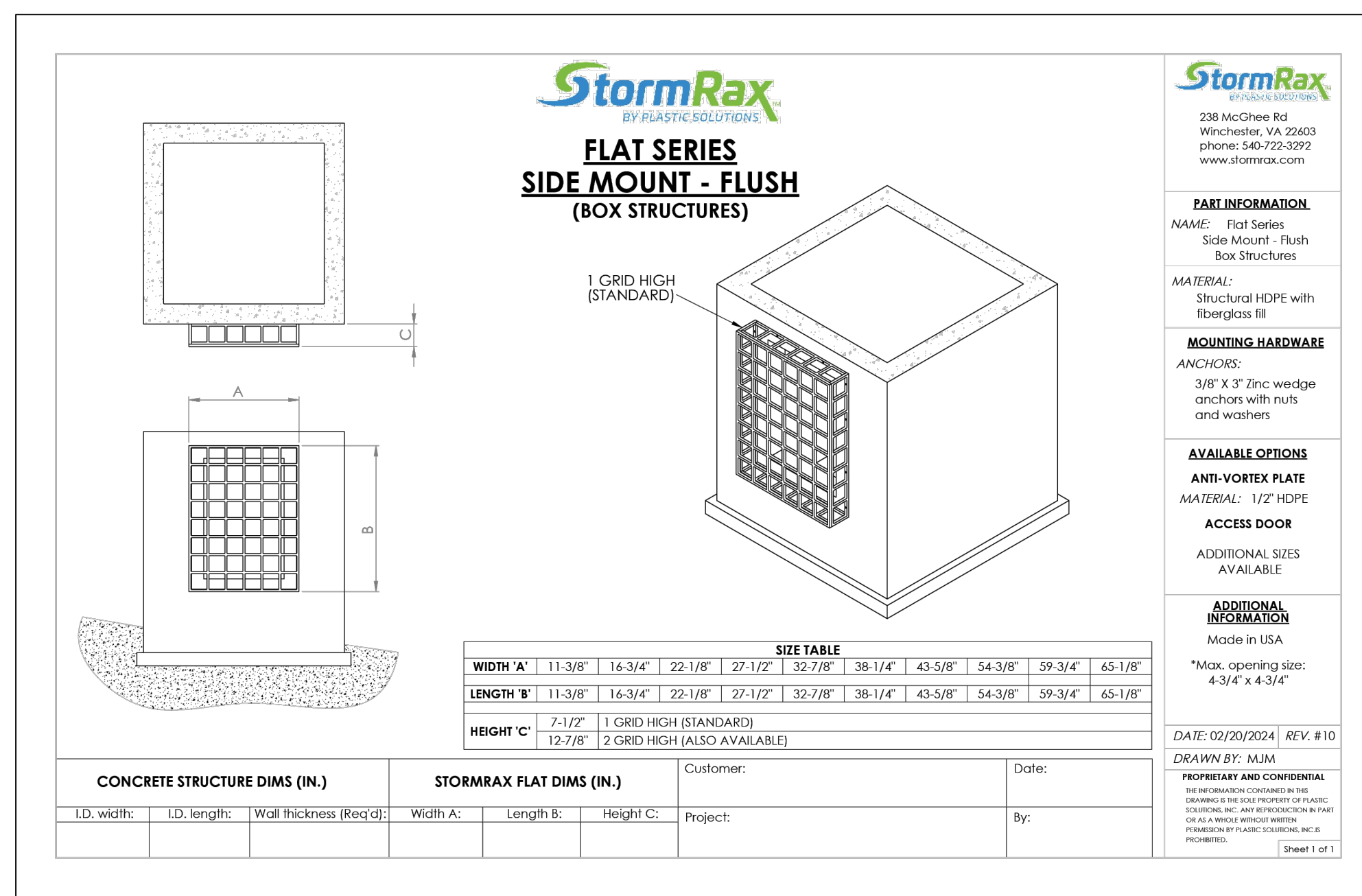
Rectangular Weir  
Crest = Sharp  
Bottom Length (ft) = 20.00  
Total Depth (ft) = 0.50

**Highlighted**  
Depth (ft) = 0.04  
Q (cfs) = 0.480  
Area (sqft) = 0.75  
Velocity (ft/s) = 0.64  
Top Width (ft) = 20.00

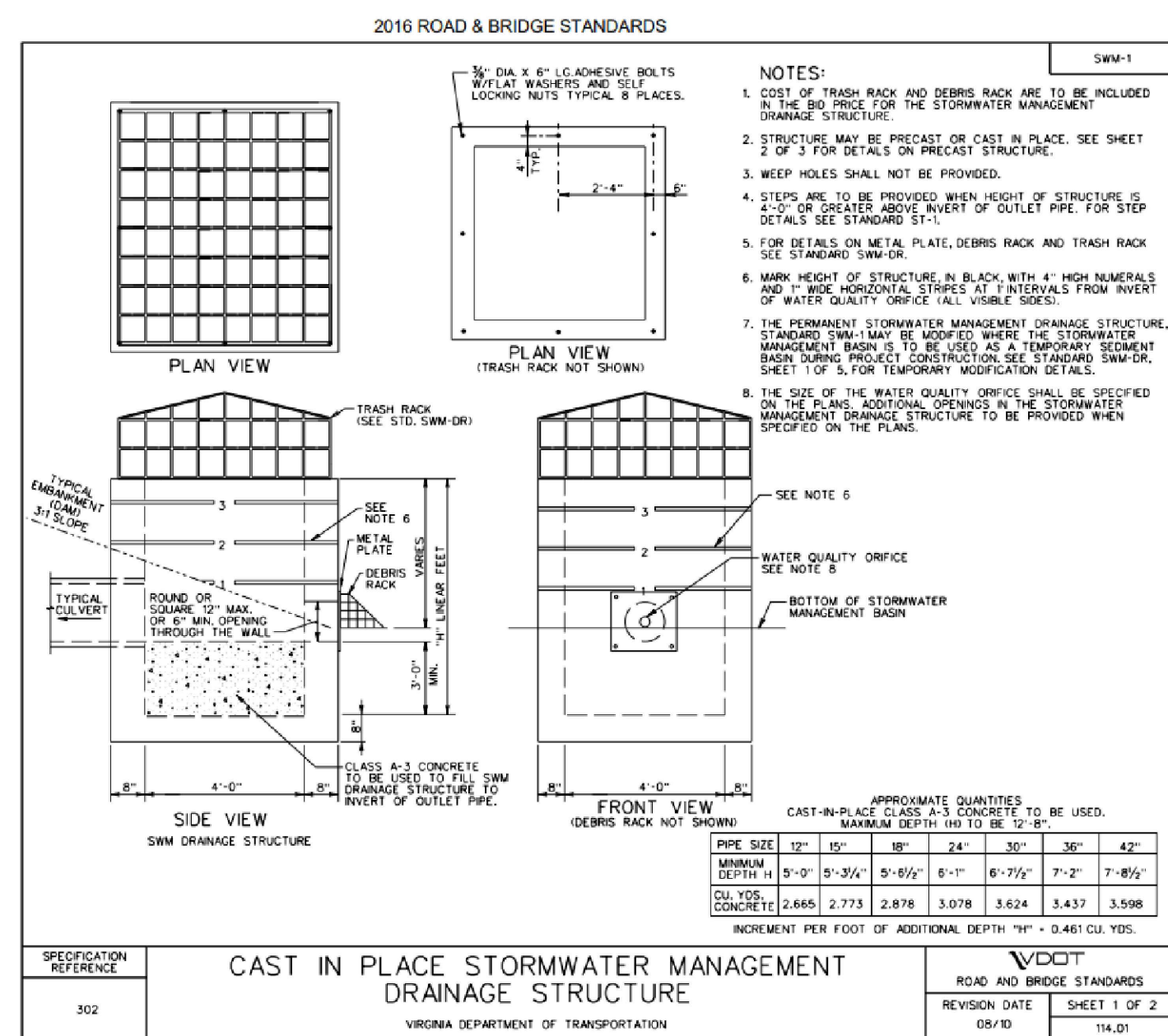
Calculations  
Weir Coeff. Cw = 3.33  
Compute by: Known Q  
Known Q (cfs) = 0.48



DRY POND DI-1 RISER STRUCTURE DETAIL  
NOT TO SCALE



DRY POND SECTION VIEW  
N.T.S.



VDOT STD. SWM-1 PER THE DETAIL ABOVE OF THE MOST RECENT REVISION

**NOTE:**  
EMBANKMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALBEMARLE COUNTY STORMWATER MANAGEMENT NOTES 1 AND 2 ON SHEET C1.0. OWNER WILL HIRE ON SITE GEOTECHNICAL ENGINEER FOR INSPECTIONS AND TESTING DURING CONSTRUCTION. CONTRACTOR TO COORDINATE SCHEDULING OF TESTING AND INSPECTIONS IN PRECONSTRUCTION MEETING. POND SHALL BE CONSTRUCTED IN ACCORDANCE WITH VIRGINIA STORMWATER BMP CLEARINGHOUSE 2011 SPECS APPENDIX A EARTHEN ABANDONMENTS, APPENDIX B PRINCIPAL SPILLWAYS, AND APPENDIX C VEGETATED EMERGENCY SPILLWAY.

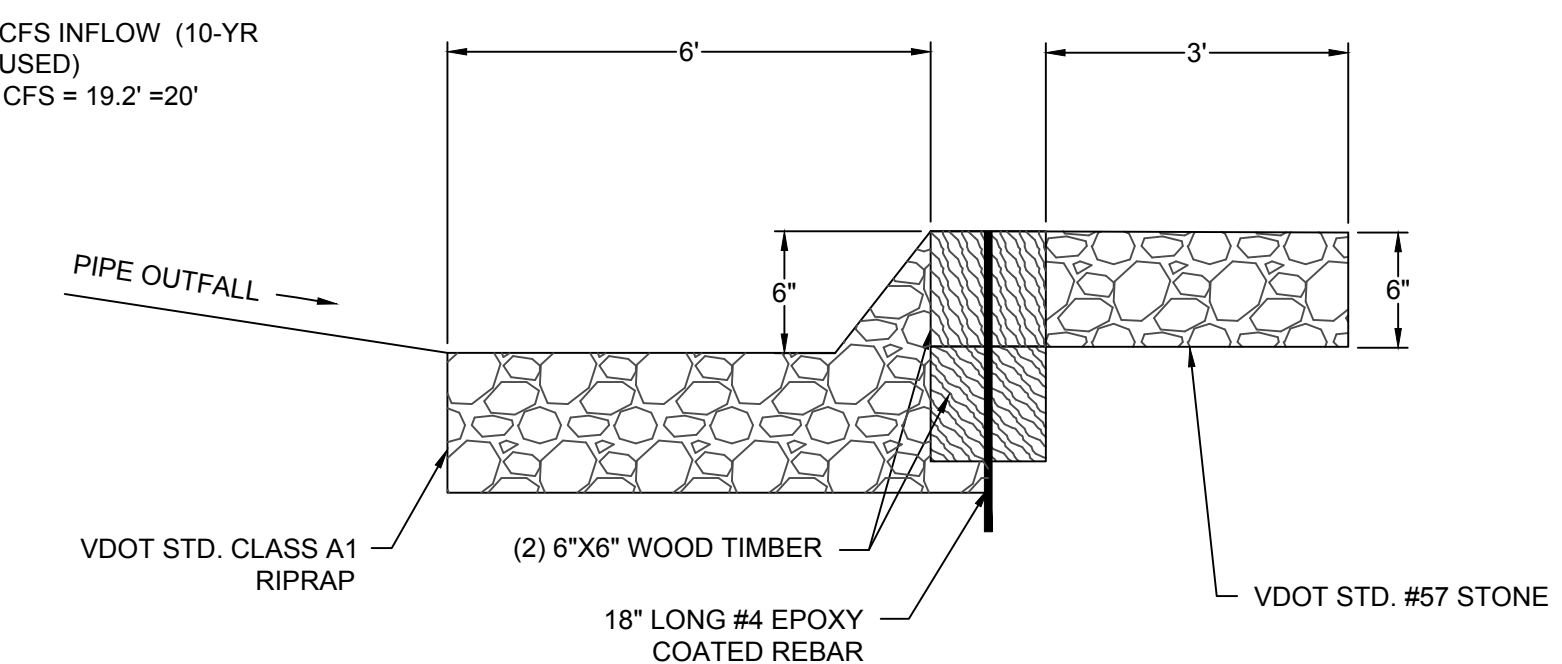
**DRY POND MAINTENANCE NARRATIVE:**  
THE FOLLOWING INSPECTIONS AND MAINTENANCE SHALL BE PERFORMED ANNUALLY OR WHENEVER A POTENTIAL PROBLEM IS OBSERVED BY THE OWNER:

- INSPECT POND, DAM, RISER AND PIPE SYSTEM FOR SEDIMENT ACCUMULATION, DEBRIS AND TRASH.
- REMOVE ANY DEBRIS OR TRASH IN THE SYSTEM DREDGE POND WHEN SEDIMENT DEPOSITS ACCUMULATE TO MORE THAN 6" FROM ORIGINAL BOTTOM ELEVATION.
- INSPECT FACILITY FOR VEGETATION. ONLY GRASS SHALL BE ALLOWED TO GROW IN THE FACILITY. GRASS SHOULD BE MOWED AT LEAST TWICE A YEAR AND GRASS CLIPPING SHOULD BE REMOVED. REMOVE ANY OTHER VEGETATION.
- INSPECT RISER AND PIPE SYSTEM TO ENSURE THAT ALL COMPONENTS ARE IN GOOD CONDITION AND FUNCTIONING ACCORDING TO ORIGINAL DESIGN. REPAIR ANY DAMAGE OR DETERIORATION AS NECESSARY.
- INSPECT DAM FOR ANY SIGNS OF DAMAGE, SEEPAGE OR ANY VEGETATION WHOSE ROOTS MAY CAUSE HARM TO DAM. REPAIR DAM AND REMOVE VEGETATION AS NECESSARY.
- INSPECT OUTFALL FOR EROSION AND OBSTRUCTIONS. REPAIR AND REINFORCE ANY EROSION AND REMOVE OBSTRUCTIONS.

**LEVEL SPREADER 1:**

Q(10) FOR PIPE 1 = 0.48 CFS (SEE CALC BOOK FOR CALCULATIONS)

L = 40 LF X 0.48 CFS INFLOW (10-YR STORM EVENT USED)  
L = 40 LF X 0.48 CFS = 19.2' ≈ 20'



**MAINTENANCE NOTE:** INSPECTIONS SHALL TAKE PLACE ANNUALLY, IDEALLY DURING THE NON-GROWING SEASON. SEDIMENTS SHOULD BE CLEANED OUT OF THE LEVEL SPREADER FOREBAYS AND FLOW SPLITTERS.

LEVEL SPREADER DETAIL  
No Scale



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DATE	REVISION DESCRIPTION

DATE	DRAWN BY	DESIGNED BY	CHECKED BY	SCALE
04/02/2024	S. KIRBY	S. KIRBY	J. SHOWALTER	N/A

**TIMMONS GROUP**  
WAHS PARKING LOT EXPANSION  
ALBEMARLE COUNTY, VA  
STORMWATER MANAGEMENT DETAILS

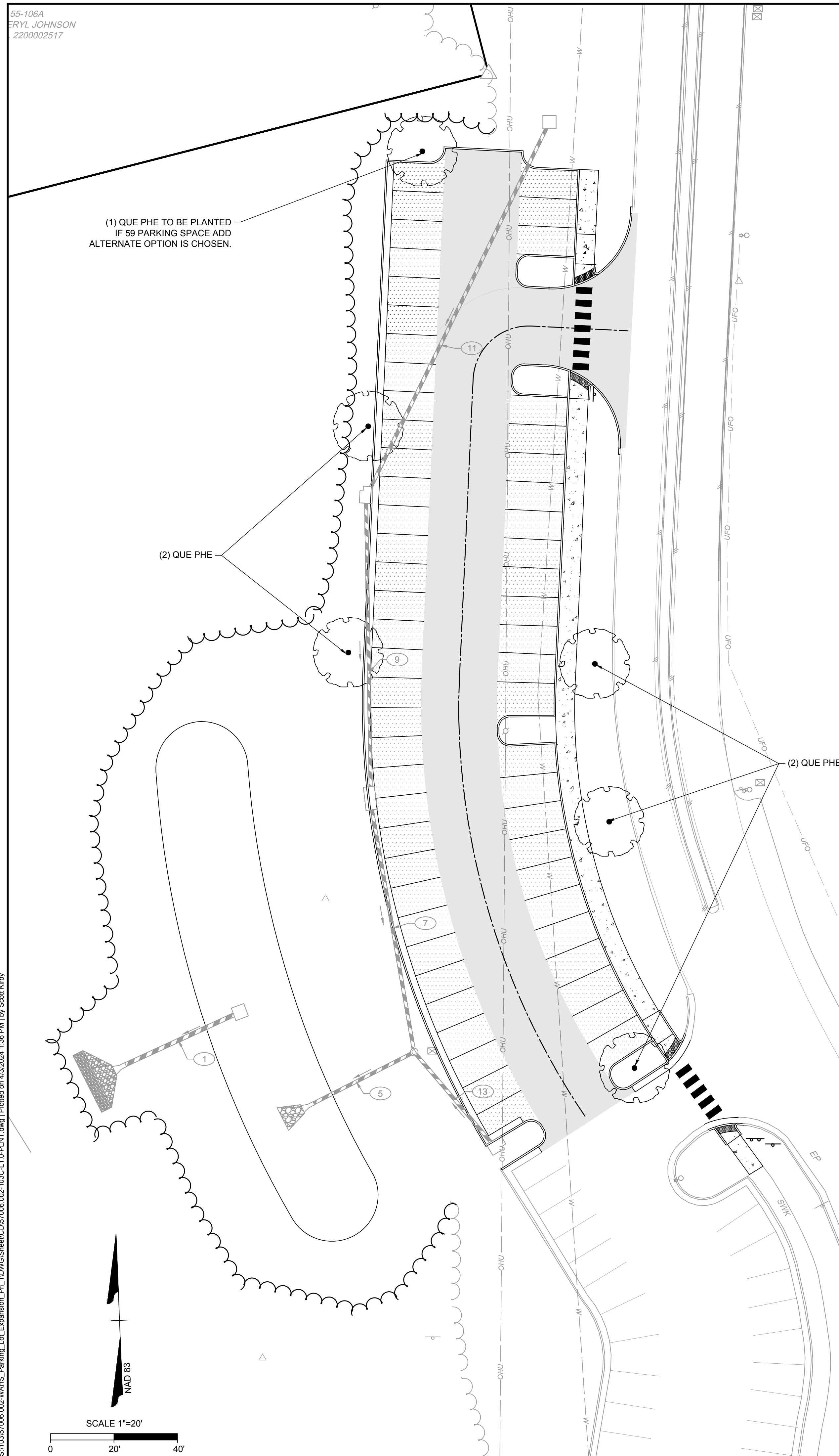
JOB NO.	57006.002
SHEET NO.	C6.1

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### GENERAL NOTES:

- PLANTS SHALL CONFORM TO CURRENT "AMERICAN STANDARDS FOR NURSERY STOCK" BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (ANLA), PARTICULARLY WITH REGARDS TO SITE, GROWTH, AND SIZE OF BALL AND DENSITY OF BRANCH STRUCTURE. CONTRACTOR TO INSURE ALL PLANT MATERIAL CONFORM TO NATIONAL AND LOCAL BUILDING CODES AND ORDINANCES.
- ALL PLANTS (B&B OR CONTAINER) SHALL BE PROPERLY IDENTIFIED BY WEATHERPROOF LABELS SECURELY ATTACHED HERETO BEFORE DELIVERY TO PROJECT SITE. LABELS SHALL IDENTIFY PLANTS BY NAME, SPECIES AND SIZE. LABELS SHALL NOT BE REMOVED UNTIL THE FINAL INSPECTION BY THE OWNER'S REPRESENTATIVE.
- ANY MATERIAL AND/OR WORK MAY BE REJECTED BY THE OWNER'S REPRESENTATIVE IF IT DOES NOT MEET THE REQUIREMENTS OF THE SPECIFICATIONS. THE CONTRACTOR SHALL REMOVE ALL REJECTED MATERIALS FROM THE SITE.
- THE CONTRACTOR SHALL FURNISH ALL PLANTS IN QUANTITIES AND SIZES TO COMPLETE THE WORK AS SPECIFIED IN PLANT SCHEDULE. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL PLANT QUANTITIES ON THE PLANS PRIOR TO COMMENCEMENT OF WORK. QUANTITIES IN THE PLANT SCHEDULE ARE FOR THE CONTRACTORS CONVENIENCE ONLY AND DO NOT CONSTITUTE THE FINAL COUNTY.
- SUBSTITUTIONS REQUIRE WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE AND MAY REQUIRE FURTHER APPROVALS FROM THE RESPONSIBLE JURISDICTION.
- PLANTS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS AND BY SCALING OR AS DESIGNATED IN THE FIELD BY THE OWNER'S REPRESENTATIVE. ALL LOCATIONS ARE TO BE APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE EXCAVATION.
- CONTRACTOR SHALL LOCATE AND MARK ALL UNDERGROUND UTILITY LINES AND IRRIGATION SYSTEMS PRIOR TO EXCAVATING PLANT BEDS OR PITS. ALL UTILITY EASEMENT AREAS WHERE NO PLANTING SHALL TAKE PLACE SHALL ALSO BE MARKED ON THE SITE, PRIOR TO LOCATING AND DIGGING THE TREE PITS. IF UTILITY LINES ARE ENCOUNTERED IN EXCAVATION OF TREE PITS, OTHER LOCATIONS FOR THE TREES SHALL BE SELECTED BY THE OWNER'S REPRESENTATIVE. SUCH CHANGES SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION. NO CHANGES OF LOCATION SHALL BE MADE WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
- ALL EQUIPMENT AND TOOLS SHALL BE PLACED SO AS NOT TO INTERFERE OR HINDER THE PEDESTRIAN AND VEHICULAR TRAFFIC FLOW.
- DURING PLANTING OPERATIONS, EXCESS AND WASTE MATERIALS SHALL BE PROMPTLY AND FREQUENTLY REMOVED FROM THE SITE.
- ALL SHRUB PITS ARE TO BE EXCAVATED TO A MINIMUM DEPTH TO ALLOW THE SHRUB ROOT BALL TO BE A MINIMUM OF 4" HIGHER THAN FINISH GRADE. ALL PLANT SHRUB BEDS ARE TO BE EXCAVATED TO THE WIDTH SHOWN ON THE PLANS.
- ALL TREE PITS ARE TO BE EXCAVATED TO A MINIMUM DEPTH TO ALLOW THE TREE ROOT BALL TO BE A MINIMUM OF 2-3" HIGHER THAN FINISH GRADE. THE TREE ROOT BALL IS TO REST ON UNDISTURBED SOIL, OR A COMPACTED BED MUST BE PREPARED FOR THE TREE ROOT BALL TO REST ON AND WHICH WILL NOT SUBSIDE CAUSING THE TREE TO SINK BELOW FINISH GRADE. ALL TREE PITS ARE TO BE A MINIMUM OF 12" LARGER ON EVERY SIDE OF THE TREE ROOT BALL.
- THE PLANTER BEDS ARE TO BE ENTIRELY CLEANED OUT TO THE UNDISTURBED SOIL LEVEL. ALL EXISTING SOIL, CONSTRUCTION DEBRIS, ROOTS AND OTHER FOREIGN MATERIAL ARE TO BE REMOVED AND DISCARDED OFFSITE.
- THE TOPSOIL TO BE USED TO FILL THE TREE PITS, SHRUB BEDS AND PLANTERS IS TO BE PLANT SPECIFIC. THE TOPSOIL FOR THE TREES, SHRUBS AND PLANTER SHALL CONSIST OF A MAXIMUM 2/3 EXISTING TOPSOIL FROM THE SITE, WHICH IS CLEANED AND FREE OF CLAY, A MINIMUM OF 1/3 PEAT MOSS, OR OTHER APPROVED ORGANIC MATERIAL OR IMPORTED NEW LOAMY TOPSOIL AND 10% COW MANURE. ALL OF THESE MATERIALS ARE TO BE MIXED PRIOR TO PLACING IN THE PLANTER OR BACKFILLING WHEN PLANTING.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL PLANT PITS ARE WELL DRAINED. THE LANDSCAPE CONTRACTOR WITHOUT COST TO THE OWNER WILL REPLACE ALL PLANT MATERIAL, WHICH IS AFFECTED BY POOR DRAINAGE.
- ALL LAWN AREAS ARE TO BE TILLED TO A DEPTH OF 6" AND ALL FOREIGN MATERIAL REMOVED WHICH WILL INHIBIT THE HEALTHY GROWTH OF THE GRASS. ALL OLD GRASS AND GRASS ROOTS ARE TO BE REMOVED FROM THE SITE. NEW TOPSOIL OF A MINIMUM 4" IS TO BE PLACED OVER THE AREAS TO BE SODED. THE GRASS AREAS ARE TO BE FINE GRADED TO ENSURE THAT NO UNDULATIONS OCCUR. THE LAWN TOPSOIL IS TO BE ROLLED AND LIGHTLY IRRIGATED PRIOR TO PLACING OF THE SEED. THE SEED IS NOT TO BE LAID ON FROZEN OR SOAKED SOIL.
- THE TREES AND SHRUBS ARE TO BE HANDLED WITH THE BEST CARE AND ATTENTION TO ENSURE THAT THE PLANTS ARE NOT BRUISED, BROKEN, TORN, DAMAGED IN ANY WAY WHICH WILL AFFECT THE PLANTS GENERAL APPEARANCE AND WELL BEING.
- THE TREES AND SHRUBS ARE TO BE PLANTED WITH THE ACCEPTED STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN. THE PLANTS ARE TO BE PROPERLY WATERED AND BACKFILLED DURING THE PLANTING. ALL CARE MUST BE TAKEN TO ENSURE THAT THE PLANTS ARE UPRIGHT, A PLANT'S BEST SIDE IS EXPOSED TO THE POINT OF THE PLANTS GREATEST VISIBILITY.
- THE TREES MUST BE STAKED IN ACCORDANCE WITH ACCEPTABLE NURSERY PRACTICE TO ENSURE THAT THEY ARE SECURE IN THE GROUND AND WILL GROW STRAIGHT AND UNIFORM. THE TREES ARE TO BE WRAPPED IF THE CONTRACTOR DEEMS IT NECESSARY TO PROTECT THE TREES FROM SUN SCALD OR INSECT ATTACK.
- TREES SHALL BE LOCATED A MINIMUM OF 3 FEET FROM WALLS AND WALKS.
- GROUPS OF SHRUBS SHALL BE PLACED IN A CONTINUOUS MULCH BED WITH SMOOTH CONTINUOUS LINES. ALL MULCHED BED EDGES SHALL BE CURVILINEAR IN SHAPE FOLLOWING THE CONTOUR OF THE PLANT MASS. TREES LOCATED WITHIN 4 FEET OF SHRUB BEDS SHALL SHARE SAME MULCH BED.
- PLANT ALL TREES AT FOUR (4) FEET FROM THE END OF HEAD-IN PARKING SPACES TO PREVENT DAMAGE FROM CAR OVERHANGS.
- DIG THE TREE PIT AT LEAST ONE (1) FOOT WIDE R THAN THE ROOT BALL AND EQUAL TO THE BALL'S VERTICAL DIMENSION, SO THE TOP OF THE ROOT BALL WILL BE FLUSH WITH THE GROUND LEVEL.
- ESPECIALLY IN AREAS WHERE CONSTRUCTION ACTIVITY HAS COMPACTED THE SOIL, THE BOTTOM OF THE PIT SHOULD BE SCARIFIED OR LOOSENED WITH A PICKAX OR SHOVEL.
- BACKFILL FOR ENTIRE PARKING ISLANDS AND PLANTING AREAS SHOULD BE WITH THE SITE'S EXISTING SOIL HOWEVER, IF SOIL IS HARD, COMPACTED FILL DIRT, THE SOIL IN THE ENTIRE PARKING ISLANDS AND PLANTING AREAS SHOULD BE IMPROVED WITH ORGANIC MATTER AND THE GROUND WORKED SO THAT IT CAN BE MORE EASILY PLANTED. ALL ROOTS MUST BE COMPLETELY COVERED. PLANT MATERIAL SHOULD BE THOROUGHLY WATERED AFTER INSTALLATION.
- HERBAGEOUS EMBANKMENT PLANTINGS SHOULD BE LIMITED TO 10 INCHES IN HEIGHT.
- PLANTS SHALL NOT BLOCK MAINTENANCE ACCESS TO STRUCTURES WITH TREES OR SHRUBS.
- ALL PLANTING AREAS SHALL CONTAIN SOILS SUITABLE FOR PLANTING. SOILS SHALL BE FREE OF CONSTRUCTION MATERIALS. EXCESSIVE ROCK AND GRAVEL OR COMPACTION SHALL BE ADDRESSED PRIOR TO INSTALLATION OF LANDSCAPE MATERIAL.

**NOTE:**  
ALL LANDSCAPING SHALL BE INSTALLED BY THE FIRST PLANTING SEASON FOLLOWING THE ISSUANCE OF THE FIRST CERTIFICATION OF OCCUPANCY WITHIN THE DEVELOPMENT, OR A PHASE THEREOF.

ALL LANDSCAPING AND SCREENING SHALL BE MAINTAINED IN A HEALTHY CONDITION BY THE CURRENT OWNER OR A PROPERTY OWNERS' ASSOCIATION, AND REPLACED WHEN NECESSARY. REPLACEMENT MATERIAL SHALL COMPLY WITH THE APPROVED LANDSCAPE PLAN.

### CONSTRUCTION NOTES:

#### PRE-CONSTRUCTION NOTES

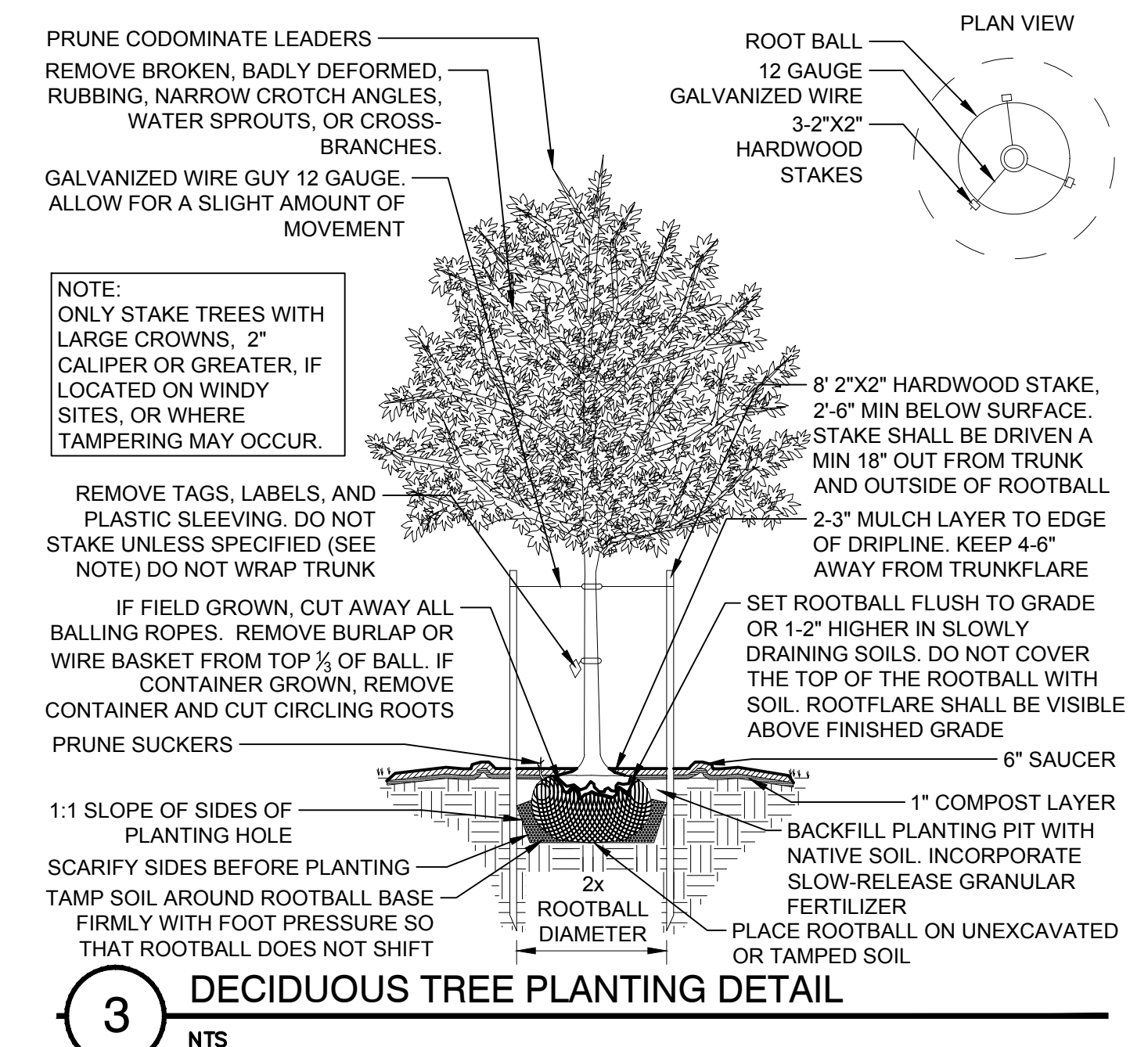
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING "MISS UTILITY" AT 1.800.552.7001 FOR LOCATION OF ALL UTILITY LINES. TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS. NOTIFY LANDSCAPE ARCHITECT OF CONFLICTS.
- VERIFY ALL PLANT MATERIAL QUANTITIES ON THE PLAN PRIOR TO BIDDING. PLANT LIST TOTALS ARE FOR CONVENIENCE ONLY AND SHALL BE VERIFIED PRIOR TO BIDDING.
- PROVIDE PLANT MATERIALS OF QUANTITY, SIZE, GENUS, SPECIES, AND VARIETY INDICATED ON PLANS. ALL PLANT MATERIALS AND INSTALLATION SHALL COMPLY WITH RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK". IF SPECIFIED PLANT MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON AVAILABILITY TO THE OWNERS REPRESENTATIVE, TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL.
- PROVIDE AND INSTALL ALL PLANTS AS IN ACCORDANCE WITH DETAILS AND CONTRACT SPECIFICATIONS

#### CONSTRUCTION/INSTALLATION

- OWNERS REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANTS AND MATERIALS THAT ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION, AS WELL AS PLANTS AND MATERIALS THAT DO NOT CONFORM TO ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK"
- CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL DURING INSTALLATION AND UNTIL FINAL INSPECTION AND ACCEPTANCE BY OWNER. CONTRACTOR SHALL NOTIFY OWNER OF CONDITIONS WHICH AFFECTS THE GUARANTEE.
- MULCH SHOULD BE PLACED TO A UNIFORM THICKNESS OF 2" TO 3". SHREDDED HARDWOOD MULCH IS THE ONLY ACCEPTED MULCH. PINE MULCH AND WOOD CHIPS WILL FLOAT AND MOVE TO THE PERIMETER OF THE BIORETENTION AREA DURING A STORM EVENT AND ARE NOT ACCEPTABLE. SHREDDED MULCH MUST BE WELL AGED (6 TO 12 MONTHS) FOR ACCEPTANCE.
- TREES SHALL BE BRACED USING 2" BY 2" STAKES ONLY AS NECESSARY AND FOR THE FIRST GROWING SEASON ONLY. STAKES ARE TO BE EQUALLY SPACED ON THE OUTSIDE OF THE TREE BALL.

#### INSPECTION/GUARANTEE

- UPON COMPLETION OF LANDSCAPE INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR WHO WILL VERIFY COMPLETENESS, INCLUDING THE REPLACEMENT OF ALL DEAD PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A FINAL INSPECTION BY THE OWNERS REPRESENTATIVE.
- ALL EXTERIOR PLANT MATERIALS SHALL BE GUARANTEED FOR ONE (1) FULL YEAR AFTER DATE OF FINAL INSPECTION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. DEFECTS RESULTING FROM NEGLIGENCE, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND THE CONTRACTORS CONTROL ARE NOT THE RESPONSIBILITY OF THE CONTRACTOR.
- PLANT MATERIAL QUANTITIES AND SIZES WILL BE INSPECTED FOR COMPLIANCE WITH APPROVED PLANS BY A SITE PLAN REVIEW AGENT OF THE PLANNING DEPARTMENT PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY.



**NOTE:**  
ONLY STAKE TREES WITH LARGE CROWNS, 2" CALIPER OR GREATER, IF LOCATED ON WINDY SITES, OR WHERE TAMPERING MAY OCCUR.

### PARKING LOT LANDSCAPE AREA REQUIREMENTS

\* per Sec. 32.7.9.6(a) of the Albemarle County Code

PARKING LOT	REQUIREMENT	PARKING LOT AREA	CALCULATIONS	REQUIRED	PROVIDED
PARKING LOT #1	5% GROSS PARKING AREA	18,070 SF	18,070 x .05 = 903.5 SF	903.5 SF	2,514 SF

### PARKING LOT LANDSCAPE AREA REQUIREMENTS

\* per Sec. 32.7.9.6(b) of the Albemarle County Code

PARKING LOT	REQUIREMENT	PARKING SPACES	CALCULATIONS	REQUIRED	PROVIDED
PARKING LOT #1	1 TREE PER 10 PARKING SPACES	50 SPACES	50 / 10 = 5 TREES	5 TREES	5 TREES

PLANT SCHEDULE							
TREES	QTY	BOTANICAL NAME	COMMON NAME	MIN. INSTALLED SIZE	ROOT	CANOPY	TOTAL
QUE PHE	5	QUERCUS PHELLOS	WILLOW OAK	2.5" CAL.	B&B	419 SF	2,095 SF
							=2,095 SF



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SCALE  
**1" = 20'**

**WAHS PARKING LOT EXPANSION**  
ALBEMARLE COUNTY, VA  
**LANDSCAPING PLAN**

JOB NO.  
**57006.002**

SHEET NO.  
**L1.0**

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