RIVANNA WATER & SEWER AUTHORITY
MOORES CREEK ADMINISTRATION BUILDING
ALBEMARLE COUNTY, VIRGINA
PRELIMINARY SITE PLAN
SDP 20800100



SITE PLAN SHEET LIST	
SHEET NUMBER	SHEET TITLE
T01	COVER SHEET
G001	GENERAL NOTE AND LEGENDS
G002	LOCATION MAP
C001	PROJECT DETAILS
C002	PROJECT DETAILS
C003	PROJECT DETAILS
C004	EXISTING CONDITIONS
C005	REMOVALS PLAN
C006	EROSION & SEDIMENT CONTROL PLAN
C007	SITE PLAN
C008	GRADING PLAN
E0-1	PROPOSED SITE PHOTOMETRIC
L1	LANDSCAPE PLAN

APPROVALS	DATE
DEPARTMENT OF COMMUNITY DEVELOPMENT	
PLANNING/ZONING	
ENGINEER	
INSPECTIONS	
ARB	
DEPARTMENT OF FIRE RESCUE	
ALBEMARLE COUNTY SERVICE AUTHORITY	
VIRGINIA DEPARTMENT OF TRANSPORTATION	
HEALTH DEPARTMENT	

6/5/2023 10:08:58 AM

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Project Owner

Rivanna Water and Sewer Authority
Moores Creek Administration Building
695 Moores Creek Ln.
Charlottesville, VA 22902

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SEH Project 170197
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Project Status: PRELIMINARY SITE PLAN
Issue Date: 6/5/2023

REVISION SCHEDULE

REV. #	DESCRIPTION	DATE

COVER SHEET

T-01

EXISTING

- RIGHT OF WAY
- PERMANENT EASEMENT
- PROPERTY LINE
- HORIZONTAL CONTROL POINT
- BENCHMARK
- SURVEY MARKER
- SOIL BORING
- SANITARY SEWER AND MANHOLE
- FORCE MAIN AND LIFT STATION
- SANITARY SEWER SERVICE & CLEANOUT
- WATER MAIN, HYDRANT, VALVE AND MANHOLE
- WATER SERVICE AND CURB STOP BOX
- STORM SEWER, MANHOLE AND CATCH BASIN
- CULVERT AND APRON ENDWALL
- GAS MAIN, VALVE, VENT AND METER
- HANDHOLE
- BURIED FIBER OPTIC CABLE AND MANHOLE
- BURIED PHONE CABLE, PEDESTAL AND MANHOLE
- BURIED TV CABLE, PEDESTAL AND MANHOLE
- BURIED ELECTRIC MANHOLE, CABLE, PEDESTAL, TRANSFORMER AND METER
- OVERHEAD WIRE, POLE AND GUY WIRE
- LIGHT POLE
- TRAFFIC SIGNAL
- STREET NAME SIGN
- SIGN (NON STREET NAME)
- RAILROAD TRACKS
- DECIDUOUS AND CONIFEROUS TREE
- BUSH / SHRUB AND STUMP
- EDGE OF WOODED AREA
- WETLAND
- BUILDING
- FENCE (UNIDENTIFIED)
- BARBED WIRE FENCE
- CHAIN LINK FENCE
- ELECTRIC WIRE FENCE
- WOOD FENCE
- WOVEN WIRE FENCE
- PLATE BEAM GUARDRAIL
- CABLE GUARDRAIL
- POST / BOLLARD
- RETAINING WALL

PROPOSED

- STREET CENTERLINE
- RIGHT-OF-WAY
- PERMANENT EASEMENT
- TEMPORARY EASEMENT
- CONSTRUCTION LIMITS
- SANITARY SEWER, BULKHEAD AND MANHOLE
- FORCE MAIN
- SANITARY SERVICE AND CLEANOUT
- WATER MAIN, TEE, HYDRANT, BULKHEAD AND VALVE
- WATER VALVE MANHOLE, REDUCER, BEND AND CROSS
- WATER SERVICE AND CURB STOP BOX
- STORM SEWER, MANHOLE AND CATCH BASIN
- CULVERT AND APRON ENDWALL
- DRAIN TILE
- DITCH / SWALE
- RIPRAP
- STREET NAME SIGN
- SIGN (NON STREET NAME)
- RETAINING WALL

GENERAL NOTES

1. CONSTRUCTION LIMITS ARE THE RIGHT-OF-WAY & EASEMENT LINES AS SHOWN ON THE PLANS.
2. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
3. CONTRACTOR SHALL BID PROJECT ASSUMING THAT PRIVATE UTILITIES WILL NOT BE MOVED UNLESS SPECIFICALLY NOTED FOR RELOCATION ON PLANS.
4. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION. .
5. THE LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED IN THE FIELD BEFORE DIGGING. CONTRACTOR SHALL COORDINATE RELOCATION OF PRIVATE UTILITIES.
6. COORDINATE MATERIAL AND EQUIPMENT STAGING AREA WITH OWNER PRIOR TO CONSTRUCTION.
7. HORIZONTAL CONTROL IS REFERENCED TO NAD 83, VIRGINIA SOUTH ZONE, AND VERTICAL CONTROL IS REFERENCED TO NACD88.
8. CONTRACTOR SHALL VERIFY FIELD CONDITIONS BEFORE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL VERIFY EXISTING
9. CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FROM THE APPROPRIATE DEPARTMENTS, AND/OR AGENCIES HAVING JURISDICTION PRIOR TO COMMENCING WORK.
10. CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGE TO EXISTING PAVEMENT, TREES, VEGETATION, STRUCTURES AND UTILITIES THAT ARE NOT INDICATED TO BE DEMOLISHED OR REMOVED. ANY DAMAGE TO EXISTING PAVEMENT, TREES, VEGETATION, STRUCTURES AND UTILITIES NOT INDICATED TO BE DEMOLISHED OR REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
11. UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY INFORMATION. IT IS IN THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE TO THEM. THE CONTRACTOR SHALL CONTACT VIRGINIA 811 AT PHONE NUMBER 811 OR 1-800-552-7001 TO REQUEST UNDERGROUND UTILITY LOCATION MARK-OUT AT LEAST THREE (3) WORKING DAYS BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO BEGINNING EXCAVATION, INCLUDING SOIL DRILLING. THE CONTRACTOR SHALL ALSO CONTACT AND REQUEST UTILITY LOCATION MARK-OUT FROM BURIED UTILITY OWNERS WITH UTILITIES ON THE PROJECT SITE THAT ARE NOT PARTICIPANTS OF VIRGINIA 811.
12. WHERE PROPOSED WORK IS IN THE VICINITY OF UTILITY POLES, SUCH THAT SUPPORT OF THE POLE(S) WILL BE REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY OF THE WORK. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE UTILITY FOR SUPPORT OF THE POLE.
13. WHERE OVERHEAD POWER LINES ARE PRESENT, CONTRACTOR MUST CONTACT THE UTILITY PRIOR TO CONSTRUCTION ACTIVITIES TO DETERMINE THE MINIMUM REQUIRED EQUIPMENT CLEARANCE (MEG) DISTANCE BASED UPON LINE STRENGTH.
14. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS GENERATED DURING THE PROJECT OFF-SITE AT A PROPERLY PERMITTED DISPOSAL FACILITY.
15. ELEVATIONS AND DIMENSIONS WHERE NEW WORK WILL MATCH EXISTING DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO THE COMMENCEMENT OF WORK.

REMOVALS

1. CONTRACTOR SHALL GIVE THE ENGINEER AT LEAST 7 DAYS NOTICE PRIOR TO STARTING CONSTRUCTION.
2. ALL CONCRETE, EARTHWORK, BITUMINOUS AND STRUCTURES REMOVED FOR CONSTRUCTION SHALL NOT BE INCORPORATED BACK INTO THE PROJECT PER PLAN. ALL DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OUTSIDE THE PROJECT LIMITS FOLLOWING SITTING CITY AND STATE REGULATIONS AND ORDINANCES.
3. SAWCUT BITUMINOUS PAVEMENT AT ALL DRIVEWAY AND EXISTING STREETS MATCH POINTS AND AS DIRECTED BY THE ENGINEER IN THE FIELD.
4. THE CONTRACTOR SHALL SAWCUT PAVEMENT AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED SAW. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS. CARE SHALL BE TAKEN BY THE CONTRACTOR SO AS NOT TO DAMAGE THE REMAINING MATERIALS DIRECTLY ADJACENT TO THE MATERIALS TO BE REMOVED. ANY DAMAGE TO THE EXISTING MATERIAL RESULTING FROM THE MATERIAL REMOVAL OPERATIONS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
5. ENGINEER WILL MARK LIMITS OF REMOVALS. ADDITIONAL REMOVALS NEEDED FOR CONSTRUCTION SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO REMOVAL.
6. ALL KNOWN UTILITIES ARE SHOWN ON THE PLANS. ADDITIONAL UTILITIES MAY BE PRESENT WITHIN THE CONSTRUCTION LIMITS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT EXISTING UTILITIES.
7. NO TREES OR SHRUBS ARE TO BE REMOVED, UNLESS SPECIFICALLY MARKED FOR REMOVAL IN THE PLANS, WITHOUT PRIOR APPROVAL OF THE ENGINEER.
8. PROTECT ALL FACILITIES NOT SPECIFICALLY DESIGNATED FOR REMOVAL.
9. SEQUENCE REMOVALS AS NECESSARY TO MAINTAIN OPERATION AND MINIMIZE DISRUPTION TO UTILITY SERVICE.

STREET CONSTRUCTION

1. FINAL HEIGHT OF ADJUSTED CASTINGS, GATE VALVES AND CURB STOPS LOCATED IN PAVEMENT MUST BE 1/4 INCH TO 1/2 INCH BELOW FINISHED SURFACE.
2. CONSTRUCT ALL RADII AS PER PLANS. ALL RADII SHOWN ARE TO THE BITUMINOUS EDGE.
3. THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED.

TRAFFIC CONTROL:

1. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE VIRGINIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD) INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS. CURRENT EDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL TRAFFIC CONTROL DEVICE AND INSTALLATIONS NECESSARY TO PROVIDE SAFE AND EFFECTIVE WORK AREAS AND TO WARN, CONTROL, PROTECT, AND EXPEDITE VEHICULAR AND PEDESTRIAN TRAFFIC. WHEN WORK IS NOT IN PROGRESS OR THE HAZARD NO LONGER EXISTS, APPROPRIATE MEASURES SHALL BE TAKEN TO REMOVE, FOLD, OR COVER THE DEVICES. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE HIS WORK IN EACH PROJECT PHASE SUCH THAT EACH PROPERTY OWNER ABUTTING THE STREETS THAT ARE TO BE IMPROVED SHALL HAVE REASONABLE ACCESS OPEN TO THEIR PROPERTY AT ALL TIMES. PROPERTY OWNERS SHALL BE GIVEN 24 HOURS ADVANCE NOTICE OF LOSS OF ACCESS IN WRITING. LOSS OF ACCESS SHALL BE LIMITED TO 4 HOURS. ALL ROADWAYS SHALL BE MAINTAINED IN A PASSABLE CONDITION AT THE END OF EACH WORKING DAY. ALL BARRICADES, SIGNING, FLASHING WARNING LIGHTS, CHANNELIZING DEVICES OR FLAG MEN AS NECESSARY IN EACH PHASE SHALL BE INCLUDED IN THE LUMP SUM UNIT PRICE BID FOR TRAFFIC CONTROL.

TURF RESTORATION & EROSION CONTROL

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SOIL DISTURBING ACTIVITIES.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL EROSION CONTROL MEASURES AS SHOWN ON THESE PLANS AND SPECIFICATIONS AND IMPLEMENT ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY, OR AS DIRECTED BY ENGINEER, IN ORDER TO PROTECT ADJACENT PROPERTY.
3. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED WITH 6" OF TOPSOIL AND SEEDED AS SHOWN IN THE EROSION CONTROL PLANS.
4. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AN EROSION MANAGEMENT PLAN AND FOR THE IMPLEMENTATION AND MAINTENANCE OF THE PLAN. THE GENERAL CONTRACTOR SHALL CONTROL ON SITE EROSION SO AS NOT TO DISCHARGE ERODED MATERIAL ONTO ADJACENT PROPERTIES OR DOWN STREAM WITHOUT APPROVAL FROM THE OWNER AND THE ENGINEER. IF ANY EXCAVATION OR EMBANKMENT MATERIAL DOES FLOW ONTO EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL IMMEDIATELY RECTIFY THE PROBLEM AND REPAIR DAMAGES.
5. ALL BMPS SHALL BE REMOVED ONCE TURF HAS REACHED SUBSTANTIAL GROWTH PER THE SPECIFICATIONS.
6. PROJECTS DISTURBING 1 ACRES OR MORE OF LAND OR A COMMON PLAN OF DEVELOPMENT OF SALE THAT DISTURBS GREATER THAN 1 ACRE WILL REQUIRE A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION STORM WATER PERMIT FROM THE VIRGINIA POLLUTION CONTROL AGENCY (MPCA).

SITE UTILITIES:

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING INVERTS, PIPE SIZES, MATERIALS, AND ELEVATIONS PRIOR TO CONSTRUCTION.
2. ALL SEWER INVERTS, ELEVATIONS, PIPE LENGTHS, AND GRADES ARE COMPUTED CENTER - TO - CENTER OF STRUCTURES AND TO OUTSIDE FACE OF BUILDINGS AND TANKS. SEE PROCESS OR MECHANICAL PLANS FOR EXACT LOCATION AND ELEVATION OF PIPES AT STRUCTURE FACE.
3. 3 FT MINIMUM COVER ON WATER MAIN INSTALLATIONS FROM FINISHED GRADE OR AS SHOWN ON PLAN.
4. WATER MAINS PASSING OVER OR UNDER SEWERS AND SERVICES SHALL HAVE A VERTICAL SEPARATION OF AT LEAST 18 INCHES BETWEEN THE OUTSIDE OF THE SEWER MAIN OR SERVICE AND OUTSIDE OF THE WATER MAIN. THE LENGTH OF PIPE SHALL BE CENTERED OVER THE CROSSING.
5. THE CONTRACTOR SHALL GIVE A 48 HOUR NOTICE AND SCHEDULE THE CONNECTION TO AN EXISTING WATER MAIN WITH THE CITY PUBLIC WORKS DEPARTMENT.
6. 8 INCH AND 10 INCH PVC PIPE SEWER SHALL BE SDR 35. 6 INCH PVC SEWER SHALL BE SDR 26.
7. ALL 4 INCH SANITARY SERVICE PIPE SHALL BE PRESSURE RATED ASTM D 1785.
8. ALL 6 INCH AND 8 INCH WATER MAIN SHALL BE CLASS 52.
9. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPE SIZES AND ELEVATIONS.
10. INSULATE ALL UTILITY CROSSINGS AND ALL UTILITIES WITH LESS THAN 3 FT BURY DEPTH USING XEPS INSULATION BOARD ACCORDING TO THE PIPE INSULATION DETAIL.

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Project Owner

Rivanna Water and Sewer Authority
Moores Creek Administration Building
695 Moores Creek Ln.
Charlottesville, VA 22902

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SEH Project	RI170197
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Project Status	Issue Date

REVISION SCHEDULE

REV. #	DESCRIPTION

GENERAL NOTES AND LEGENDS

G001

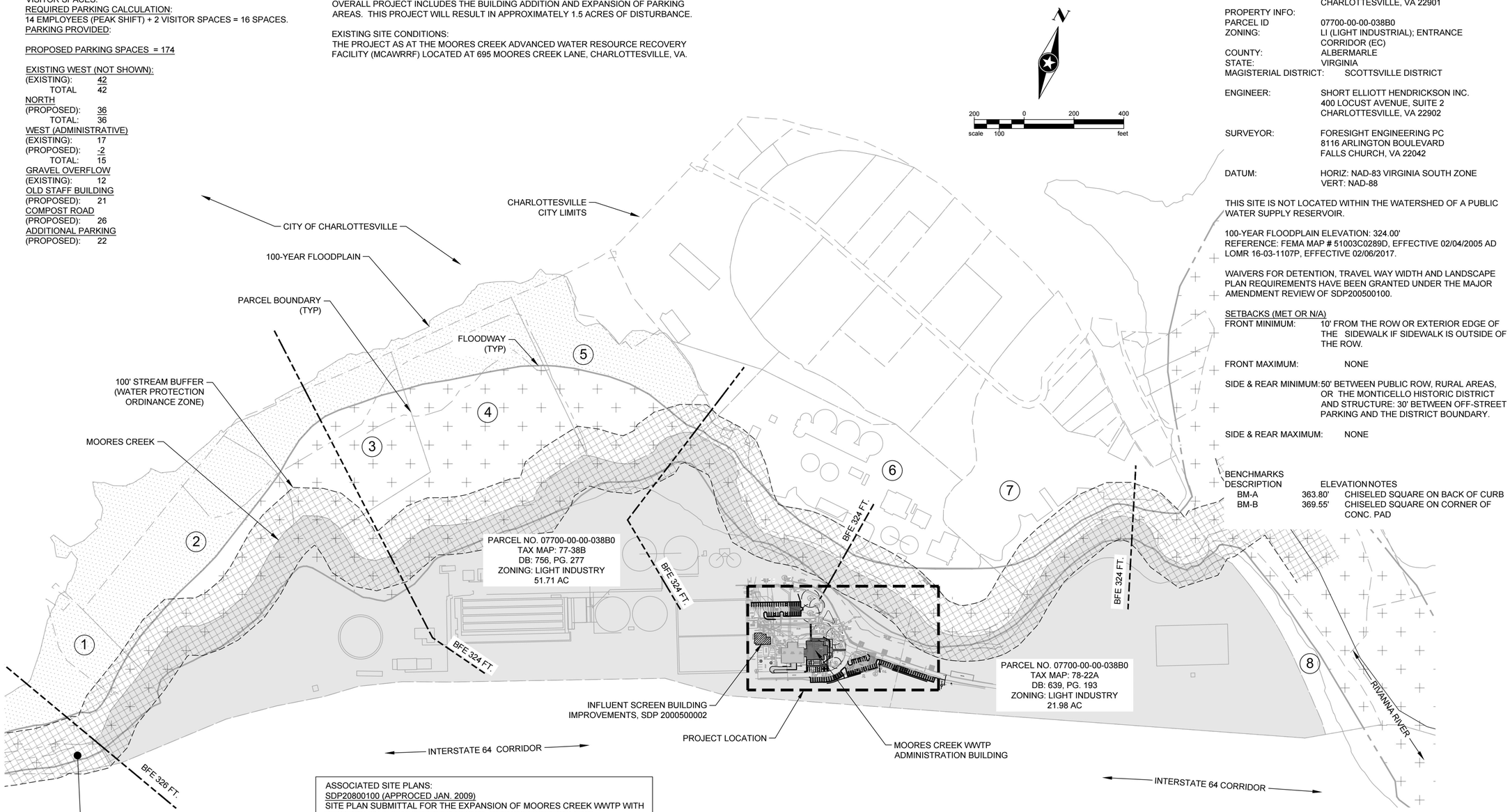
PROJECT AREA PARKING REQUIREMENTS:
1 SPACE PER EMPLOYEE AT PEAK SHIFT AND MINIMUM OF 2 VISITOR SPACES.
REQUIRED PARKING CALCULATION:
14 EMPLOYEES (PEAK SHIFT) + 2 VISITOR SPACES = 16 SPACES.
PARKING PROVIDED:

PROPOSED PARKING SPACES = 174

EXISTING WEST (NOT SHOWN):
(EXISTING): 42
TOTAL 42
NORTH
(PROPOSED): 36
TOTAL: 36
WEST (ADMINISTRATIVE)
(EXISTING): 17
(PROPOSED): -2
TOTAL: 15
GRAVEL OVERFLOW
(EXISTING): 12
OLD STAFF BUILDING
(PROPOSED): 21
COMPOST ROAD
(PROPOSED): 26
ADDITIONAL PARKING
(PROPOSED): 22

PROJECT DESCRIPTION:
THE RIVANNA WATER AND SEWER AUTHORITY IS PROPOSING SITE IMPROVEMENTS TO FACILITATE THE EXPANSION OF THE EXISTING ADMINISTRATION BUILDING. THE OVERALL PROJECT INCLUDES THE BUILDING ADDITION AND EXPANSION OF PARKING AREAS. THIS PROJECT WILL RESULT IN APPROXIMATELY 1.5 ACRES OF DISTURBANCE.

EXISTING SITE CONDITIONS:
THE PROJECT AS AT THE MOORES CREEK ADVANCED WATER RESOURCE RECOVERY FACILITY (MCAWRRF) LOCATED AT 695 MOORES CREEK LANE, CHARLOTTESVILLE, VA.



SITE DATA
OWNER: RIVANNA WATER AND SEWER AUTHORITY
PROPERTY: MOORES CREEK WASTEWATER TREATMENT PLANT
PROPERTY SIZE: 51.71 ACRES
PROPERTY ADDRESS: 725 MOORES CREEK LANE CHARLOTTESVILLE, VA 22901
PROPERTY INFO:
PARCEL ID 07700-00-00-038B0
ZONING: LI (LIGHT INDUSTRIAL); ENTRANCE CORRIDOR (EC)
COUNTY: ALBERMARLE
STATE: VIRGINIA
MAGISTERIAL DISTRICT: SCOTTSVILLE DISTRICT

ENGINEER: SHORT ELLIOTT HENDRICKSON INC.
400 LOCUST AVENUE, SUITE 2
CHARLOTTESVILLE, VA 22902

SURVEYOR: FORESIGHT ENGINEERING PC
8116 ARLINGTON BOULEVARD
FALLS CHURCH, VA 22042

DATUM: HORIZ: NAD-83 VIRGINIA SOUTH ZONE
VERT: NAD-88

THIS SITE IS NOT LOCATED WITHIN THE WATERSHED OF A PUBLIC WATER SUPPLY RESERVOIR.

100-YEAR FLOODPLAIN ELEVATION: 324.00'
REFERENCE: FEMA MAP # 51003C0289D, EFFECTIVE 02/04/2005 AD LOMR 16-03-1107P, EFFECTIVE 02/06/2017.

WAIVERS FOR DETENTION, TRAVEL WAY WIDTH AND LANDSCAPE PLAN REQUIREMENTS HAVE BEEN GRANTED UNDER THE MAJOR AMENDMENT REVIEW OF SDP200500100.

SETBACKS (MET OR N/A)
FRONT MINIMUM: 10' FROM THE ROW OR EXTERIOR EDGE OF THE SIDEWALK IF SIDEWALK IS OUTSIDE OF THE ROW.

FRONT MAXIMUM: NONE

SIDE & REAR MINIMUM: 50' BETWEEN PUBLIC ROW, RURAL AREAS, OR THE MONTICELLO HISTORIC DISTRICT AND STRUCTURE: 30' BETWEEN OFF-STREET PARKING AND THE DISTRICT BOUNDARY.

SIDE & REAR MAXIMUM: NONE

BENCHMARKS

DESCRIPTION	ELEVATION	NOTES
BM-A	363.80'	CHISELED SQUARE ON BACK OF CURB
BM-B	369.55'	CHISELED SQUARE ON CORNER OF CONC. PAD

ASSOCIATED SITE PLANS:
SDP20800100 (APPROCED JAN. 2009)
SITE PLAN SUBMITTAL FOR THE EXPANSION OF MOORES CREEK VWTP WITH REGARDS TO THE NUTRIENT REMOVAL IMPROVEMENT PROJECT.

ASSOCIATED SITE PLAN REVISIONS:
TMP 77-38B

SDP201500045	ODOR CONTROL IMPROVEMENTS - MINOR SDP AND 1 LOR
SDP201300033	PUMP STATION AND INTERCEPTOR TUNNEL - MINOR SDP
SDP201000082	MOORES CREEK VWTP PUMP STATION - MINOR SDP
SDP200700040	MODULAR OFFICE BUILDING EXPANSION - MINOR SDP
SDP200500002	INFLUENT SCREEN BUILDING - MINOR SDP
SDP200300056	MOORES CREEK VWTP MINOR
SDP200000009	COMPOSTING FACILITY - RIVANNA WATER & SEWER AUTHORITY (MOORES CREEK WWTP)
SDP000000023	AWT PLANT

NEIGHBORING PARCELS

#	OWNER	TAX MAP	PARCEL #	DB-PG	ZONING	USE
1	BLACKBIRD OF CHARLOTTESVILLE LLC.	77	20A	5111-166	LIGHT INDUSTRY	OPEN
2	FRANKLIN STREET LAND TRUST III	77	20	5125-573	RURAL	OPEN
3	FALLS, JOHN HARVEY OR VIRGINIA S.	77	21A	700-314	LIGHT INDUSTRY	INDUSTRIAL
4	RIVANNA WATER & SEWER AUTHORITY	77	21	3594-660	LIGHT INDUSTRY	INDUSTRIAL
5	ELEMENTAL ECOTECH LLC.	77	40B	5256-224	LIGHT INDUSTRY	OPEN
6	RIVANNA WATER & SEWER AUTHORITY	77	40A	768-277	LIGHT INDUSTRY	PUBLIC
7	WOOLEN MILLS	78	21B	69-193	C1 COMMERCIAL	COMMERCIAL
8	PIRAEUS LLC.	78	30	2639-110	RURAL	FOREST

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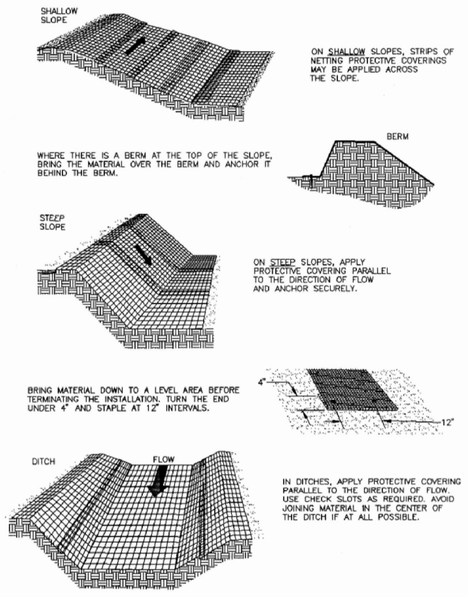
REVISION SCHEDULE
REV. # DESCRIPTION

LOCATION MAP

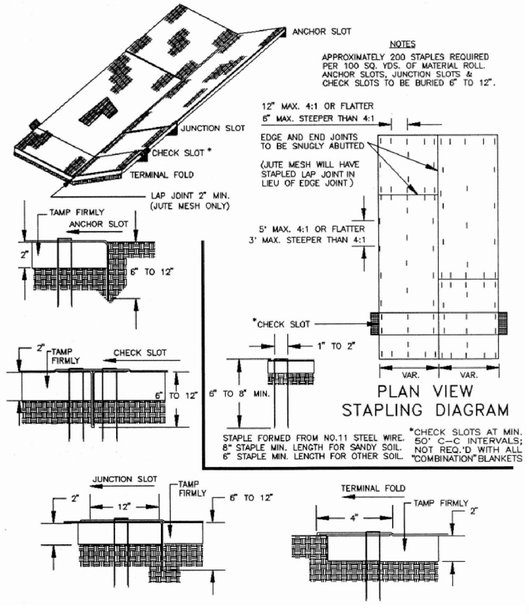
G002

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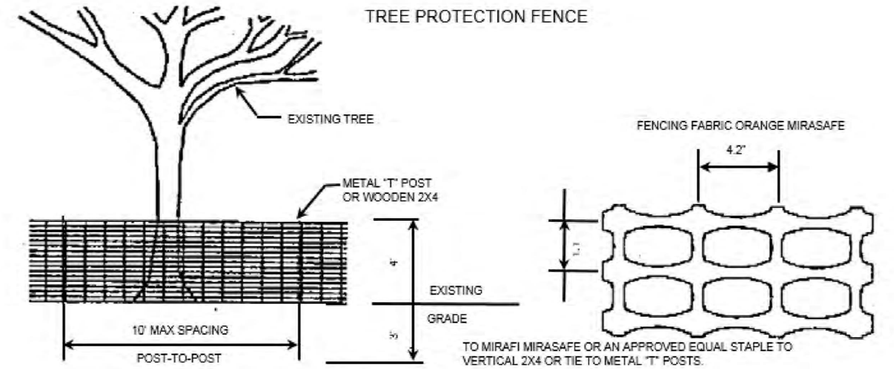
TYPICAL ORIENTATION OF TREATMENT – 1 (SOIL STABILIZATION BLANKET)



TYPICAL TREATMENT – 1 (SOIL STABILIZATION BLANKET) INSTALLATION CRITERIA



TREE PROTECTION FENCE



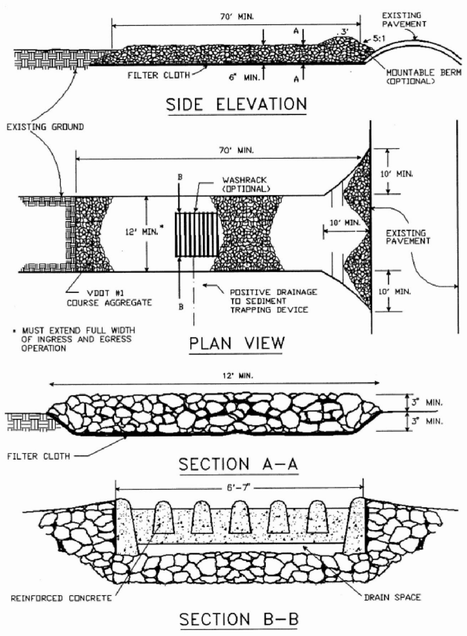
NOTES:

1. PLACE CONTINUOUS RUN OF FENCE MATERIAL ON BOTH SIDES OF IMMEDIATE WORK ZONE IN WOODED AREAS AS SHOWN ON THE PLANS. DO NOT ATTACH FENCE MATERIALS TO TREES.
2. TREE PROTECTION FENCING FABRIC TO BE PLACED IN A RADIUS OF A MINIMUM OF 1.5' FROM THE TRUNK OF TRUNK FOR EACH INCH OF DBH (DIAMETER AT BREAST HEIGHT). AREA INSIDE OF FENCING SHOULD BE A NO ACCESS, NO ENCROACHMENT ZONE THAT SHALL HAVE NO PARKING OF EQUIPMENT OR STOCKPILING OF SUPPLIES.
3. "MIRASAFE" HIGH STRENGTH POLYMER GEOGRID FABRIC BY MIRAFI CONSTRUCTION PRODUCTS, PENDERGRASS, GEORGIA.
4. ONE SIGN PER 50' OF TREE PROTECTION FENCING SHALL READ: "TREE PROTECTION AREA/DO NOT ENTER AREA/PARA PROTECCION DE LOS ARBOLES/ PROHIBIDO ENTRAR"

MAINTENANCE REQUIREMENTS:

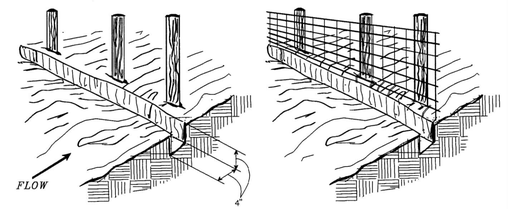
1. INSPECT WEEKLY AND AFTER EACH RAINFALL PRODUCING 0.5 INCH OR MORE OF RAIN.
2. REPAIR OR REPLACE DAMAGED FENCING IMMEDIATELY.
3. REPLACE ANY DAMAGED SIGNAGE IMMEDIATELY AS NEEDED.
4. IF ROOTS ARE DAMAGED, CUT OFF DAMAGE AREAS CLEANLY AND KEEP-EXPOSED ROOTS MOIST BY SPREADING PEAT MOSS, MOIST TOPSOIL, OR MOIST MULCH. NO PAINT IS NEEDED.
5. FENCING SHALL BE INSTALLED SUCH THAT NO TREE BARK DAMAGE OCCURS. IF SUCH DAMAGE DOES OCCUR, ONLY A CERTIFIED ARBORIST SHOULD DO ANY BARK TRACING. NO PAINT IS NEEDED.

STONE CONSTRUCTION ENTRANCE

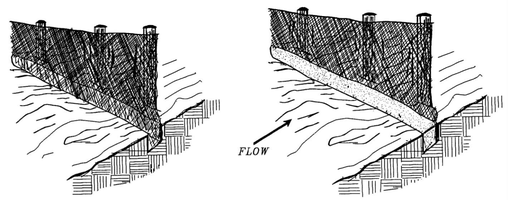


CONSTRUCTION OF A SILT FENCE (WITH WIRE SUPPORT)

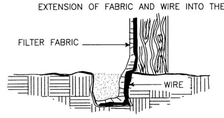
1. SET POSTS AND EXCAVATE A 4"X4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.
2. STAPLE WIRE FENCING TO THE POSTS.



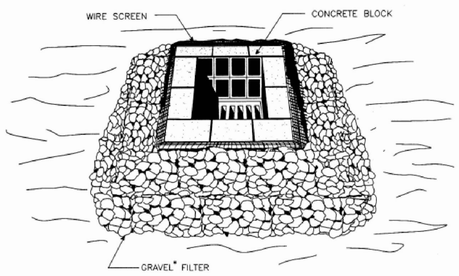
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

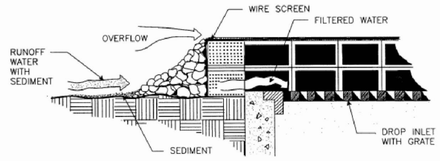


EXTENSION OF FABRIC AND WIRE INTO THE TRENCH.



BLOCK AND GRAVEL DROP INLET SEDIMENT FILTER



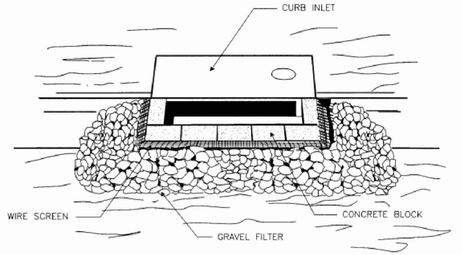


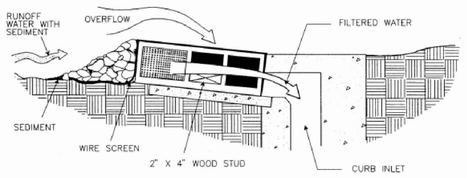
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

* GRAVEL SHALL BE VDOT #3, #357 OR #5 COARSE AGGREGATE.

BLOCK & GRAVEL CURB INLET SEDIMENT FILTER





SPECIAL APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE AN OVERFLOW CAPABILITY IS NECESSARY TO PREVENT EXCESSIVE PONDING IN FRONT OF THE STRUCTURE.

* GRAVEL SHALL BE VDOT #3, #357 OR #5 COARSE AGGREGATE

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SEH

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Project Owner

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Moores Creek Administration Building
695 Moores Creek Ln.
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Drawn By	WSW

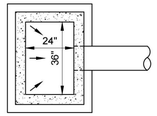
Project Status	Issue Date

REVISION SCHEDULE

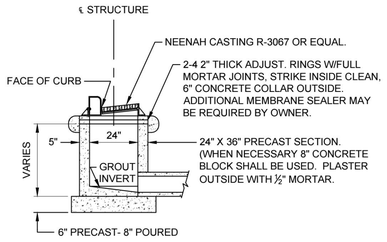
REV. #	DESCRIPTION

PROJECT DETAILS

C001



PLAN



SECTION

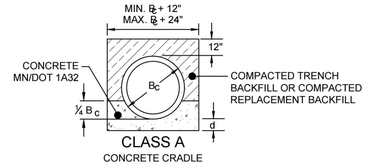
NTS

SEH

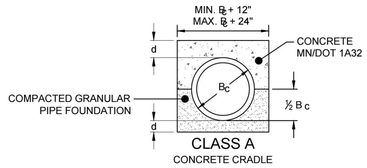
2' X 3' CATCH BASIN

Revised: Oct. 2011

SEH Plate No. STM-04



CLASS A
CONCRETE CRADLE



CLASS A
CONCRETE CRADLE

DEPTH OF BEDDING MATERIAL BELOW PIPE	
B_C	d
16" & SMALLER	3"
16" TO 60"	B_C /4
66" & LARGER	15"

LEGEND

B_C = OUTSIDE DIAMETER
d = DEPTH OF BEDDING MATERIAL BELOW PIPE

NOTES:

1. ADD REINFORCEMENT PER SPECIAL DESIGN REQUIERMENTS FOR CLASS A BEDDING.
2. SPECIAL DESIGN REQUIRED FOR CONCRETE ENCASEMENT CLASS A BEDDING.
3. IN ROCK TRENCHES MIN. d IS 6" BELOW PIPE BELL AND MIN. TRENCH WIDTH IS 36".
4. USE REPLACEMENT BACKFILL IN AREAS SPECIFIED ON PLANS AND SPEC.

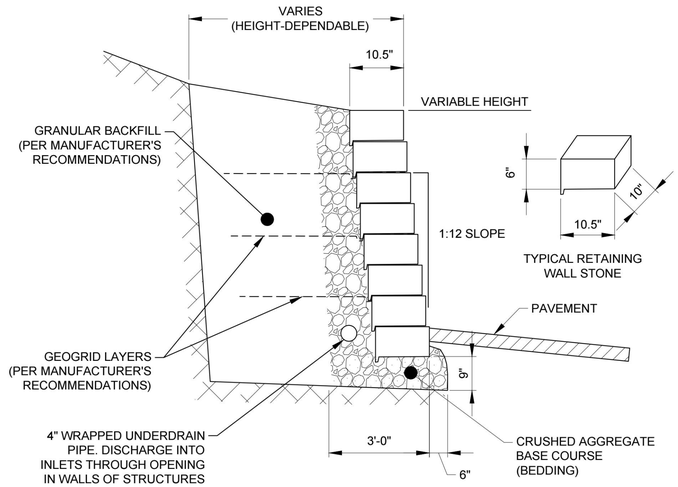
NTS

SEH

CLASS A TRENCH BEDDING FOR REINFORCED CONCRETE PIPE

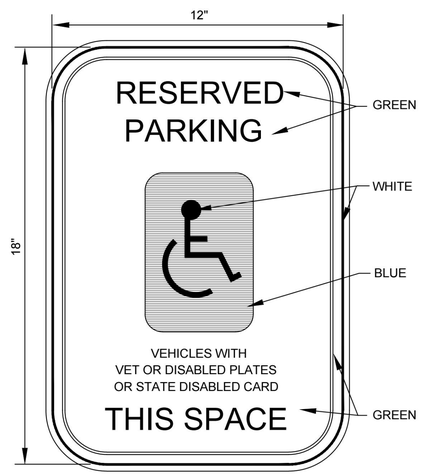
Revised: Oct. 2011

SEH Plate No. STM-22



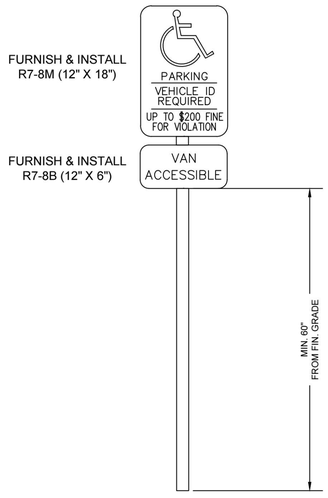
RETAINING WALL DETAIL

SCALE: NONE



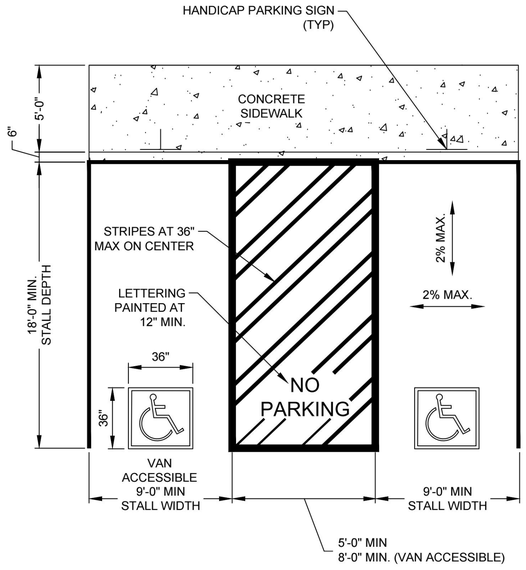
HANDICAP PARKING SIGN DETAIL

(N.T.S.)



HANDICAP PARKING SIGN DETAIL

(N.T.S.)

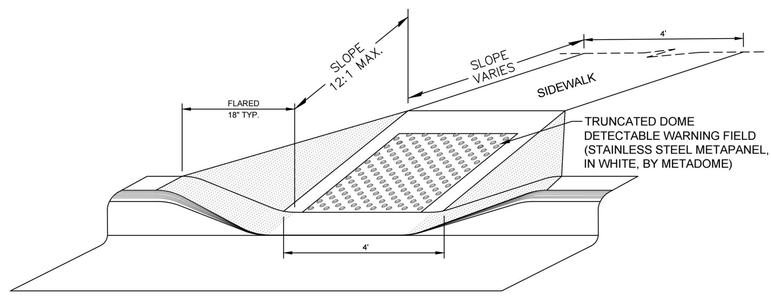


TYPICAL HANDICAP PAVEMENT MARKINGS

(N.T.S.)

TYPICAL HANDICAP CURB CUT DETAIL

(N.T.S.)



TYPICAL HANDICAP CURB CUT DETAIL

(N.T.S.)

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Project Status: 5/23/23
Issue Date

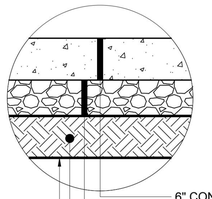
REVISION SCHEDULE

REV. #	DESCRIPTION

PROJECT DETAILS

C002

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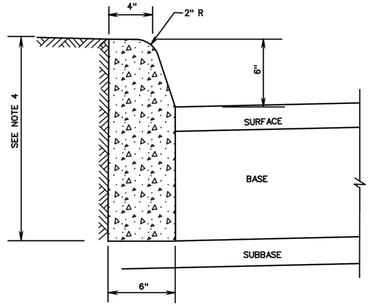
CONCRETE WALK SECTION

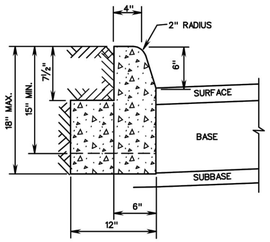
SCALE: NONE

CG-2

NOTES:

1. THIS ITEM MAY BE PRECAST OR CAST IN PLACE.
2. CONCRETE TO BE CLASS A3 IF CAST IN PLACE, 4000 PSI IF PRECAST.
3. CURB HAVING A RADIUS OF 300 FEET OR LESS (ALONG FACE OF CURB) WILL BE PAID FOR AS RADIAL CURB.
4. THE DEPTH OF CURB MAY BE REDUCED AS MUCH AS 3" (15" DEPTH) OR INCREASED AS MUCH AS 3" (21" DEPTH) IN ORDER THAT THE BOTTOM OF CURB WILL COINCIDE WITH THE TOP OF A COURSE OF THE PAVEMENT SUBSTRUCTURE. OTHERWISE, THE DEPTH IS TO BE 18" AS SHOWN. NO ADJUSTMENT IN THE PRICE BID IS TO BE MADE FOR A DECREASE OR AN INCREASE IN DEPTH.
5. CG-2 IS TO BE USED ON ROADWAYS MEETING THE REQUIREMENTS FOR CG-6 AS SHOWN IN APPENDIX A OF THE VDOT ROAD DESIGN MANUAL, IN THE SECTION ON GS URBAN STANDARDS.





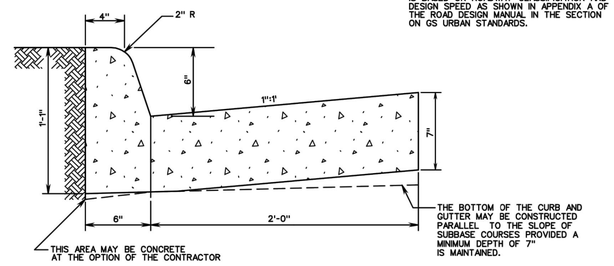
ACCEPTABLE ALTERNATIVE IF CURB IS EXTRUDED

SPECIFICATION REFERENCE	STANDARD 6" CURB	VDOT ROAD AND BRIDGE STANDARDS	
105 502	VIRGINIA DEPARTMENT OF TRANSPORTATION	REVISION DATE	SHEET 1 OF 1 201.01

CG-6

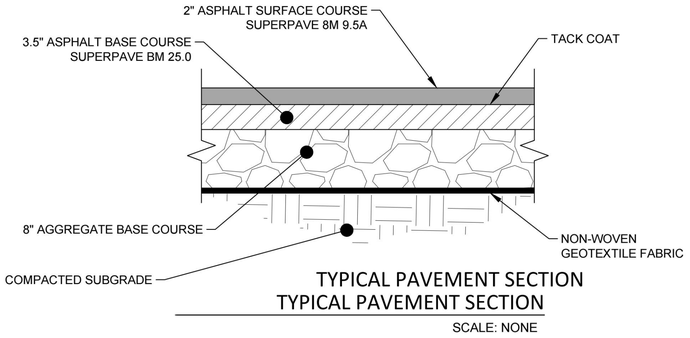
NOTES:

1. THIS ITEM MAY BE PRECAST OR CAST IN PLACE.
2. CONCRETE TO BE CLASS A3 IF CAST IN PLACE, 4000 PSI IF PRECAST.
3. COMBINATION CURB & GUTTER HAVING A RADIUS OF 300 FEET OR LESS (ALONG FACE OF CURB) SHALL BE PAID FOR AS RADIAL COMBINATION CURB & GUTTER.
4. FOR USE WITH STABILIZED OPEN-GRADED DRAINAGE LAYER. THE BOTTOM OF THE CURB & GUTTER SHALL BE CONSTRUCTED PARALLEL TO THE SLOPE OF SUBBASE COURSES AND TO THE DEPTH OF THE PAVEMENT.
5. ALLOWABLE CRITERIA FOR THE USE OF CG-6 IS BASED ON ROADWAY CLASSIFICATION AND DESIGN SPEED AS SHOWN IN APPENDIX A OF THE ROAD DESIGN MANUAL IN THE SECTION ON GS URBAN STANDARDS.



SPECIFICATION REFERENCE	COMBINATION 6" CURB AND GUTTER	VDOT ROAD AND BRIDGE STANDARDS	
105 502	VIRGINIA DEPARTMENT OF TRANSPORTATION	REVISION DATE	SHEET 1 OF 1 201.03

2016 ROAD & BRIDGE STANDARDS



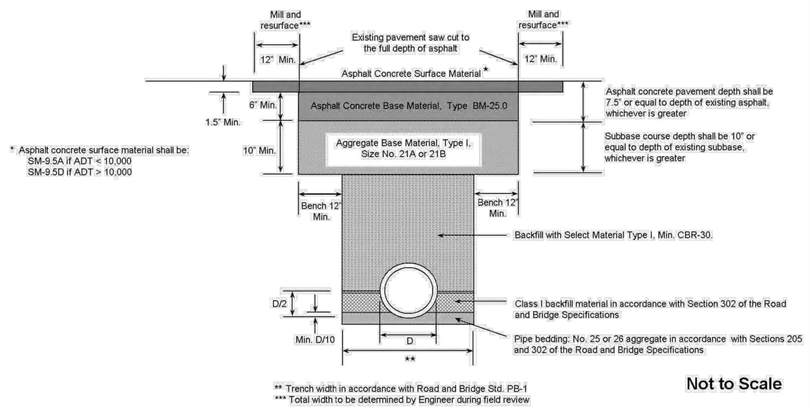
TYPICAL PAVEMENT SECTION

TYPICAL PAVEMENT SECTION

SCALE: NONE

PAVING DETAILS FOR VDOT ROADWAYS

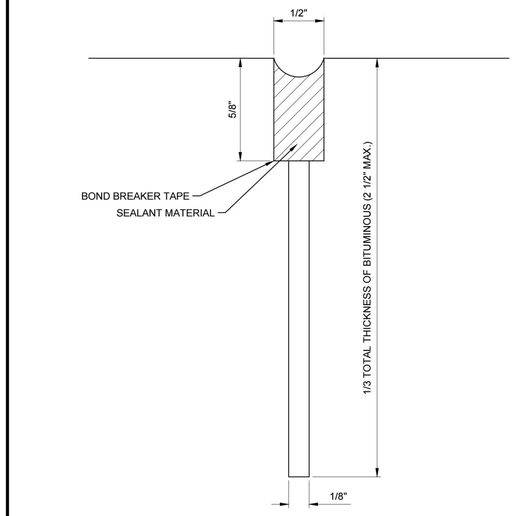
Note: This detail should not be used for longitudinal trenches in pavement which has an open graded drainage layer (OGDL) and/or cement treated aggregate base material (CTA).



** Trench width in accordance with Road and Bridge Std. PB-1
*** Total width to be determined by Engineer during field review

Not to Scale

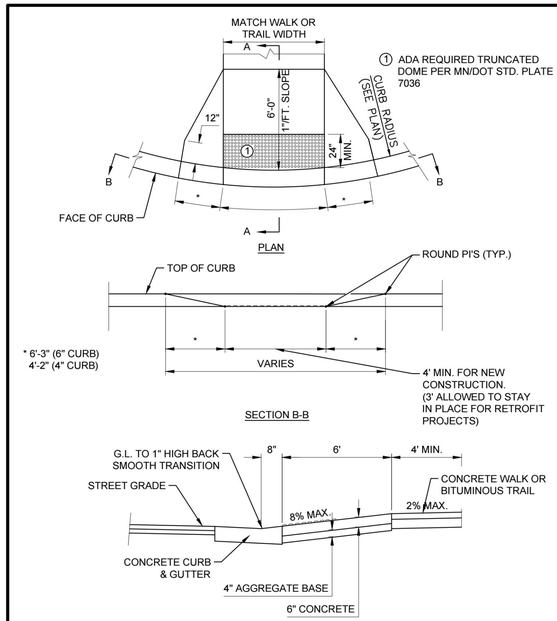
SCALE: NONE



SECTION

NTS

SEH	SAW AND SEAL BITUMINOUS JOINT	Revised: Oct. 2011
		SEH Plate No. STR-05



NTS

SEH	PEDESTRIAN CURB RAMP FOR SIDEWALK OR TRAIL	Revised: Oct. 2011
		SEH Plate No. STR-04

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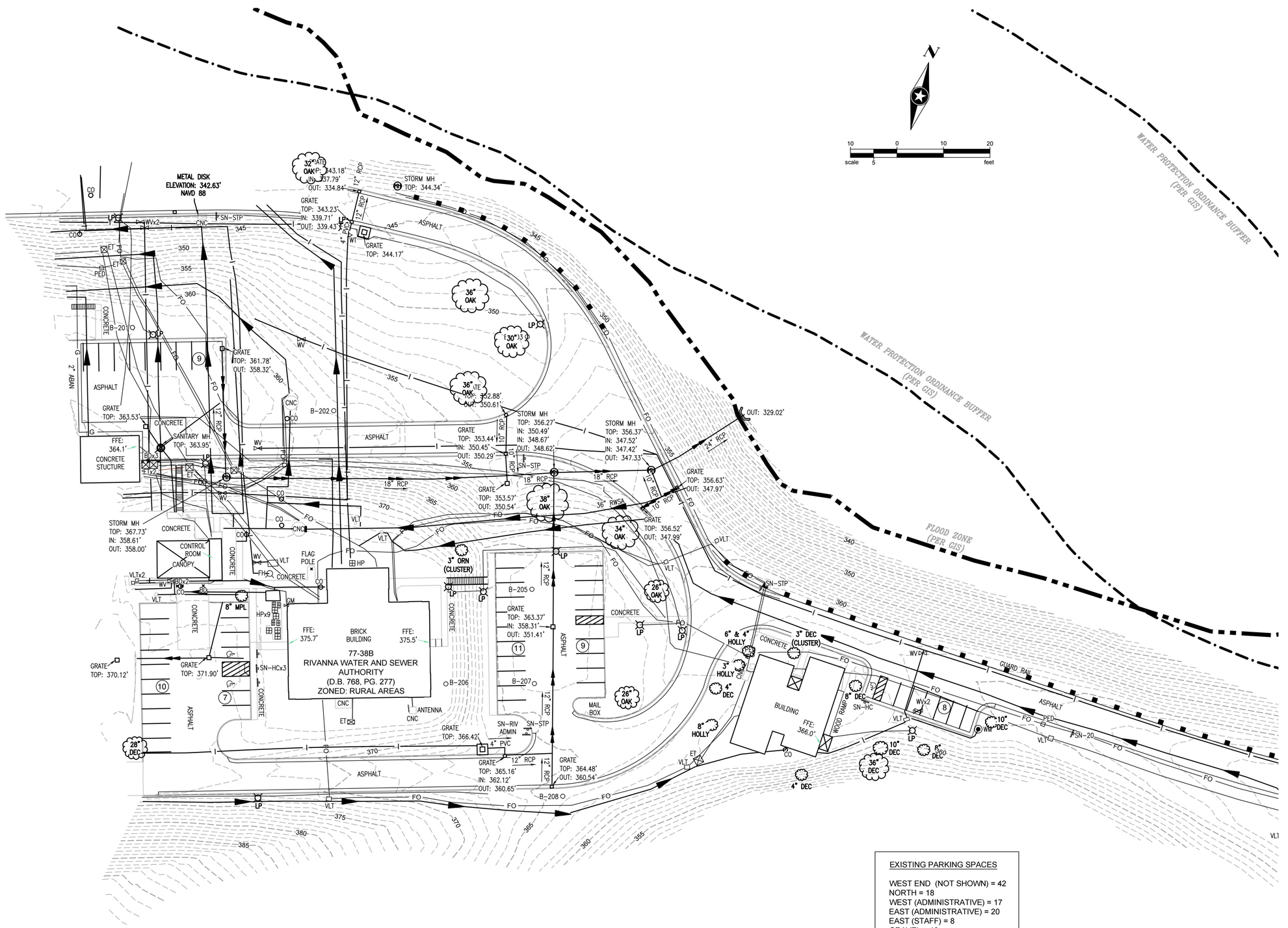
Project Status	Issue Date

REVISION SCHEDULE

REV. #	DESCRIPTION

PROJECT DETAILS

C003



EXISTING PARKING SPACES

WEST END (NOT SHOWN) = 42
NORTH = 18
WEST (ADMINISTRATIVE) = 17
EAST (ADMINISTRATIVE) = 20
EAST (STAFF) = 8
GRAVEL = 12

TOTAL PARKING SPACES = 117

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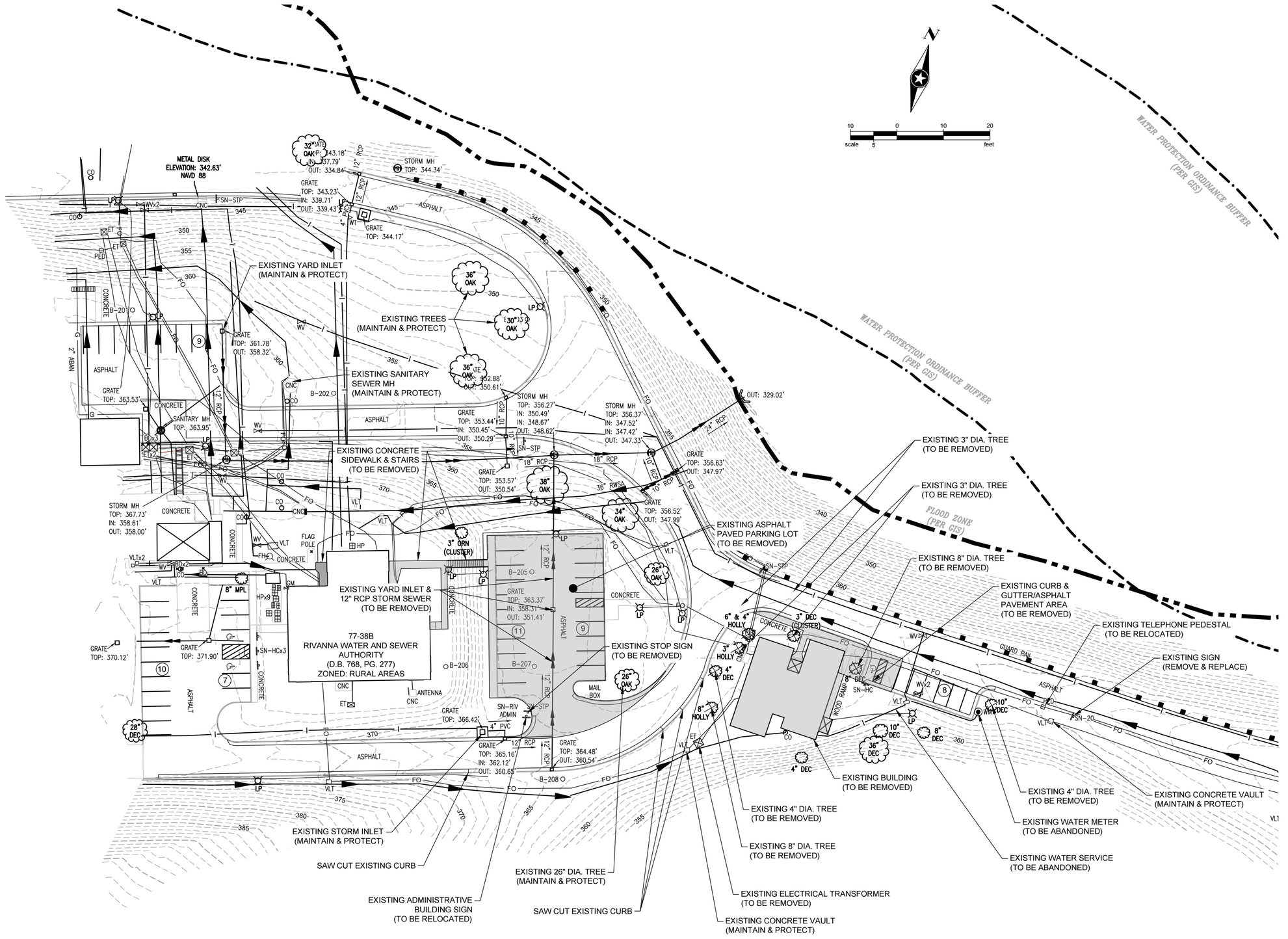
Project Status | Issue Date

REVISION SCHEDULE

REV. # | DESCRIPTION

EXISTING CONDITIONS

C004



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REV. # | DESCRIPTION

REMOVALS PLAN

C005

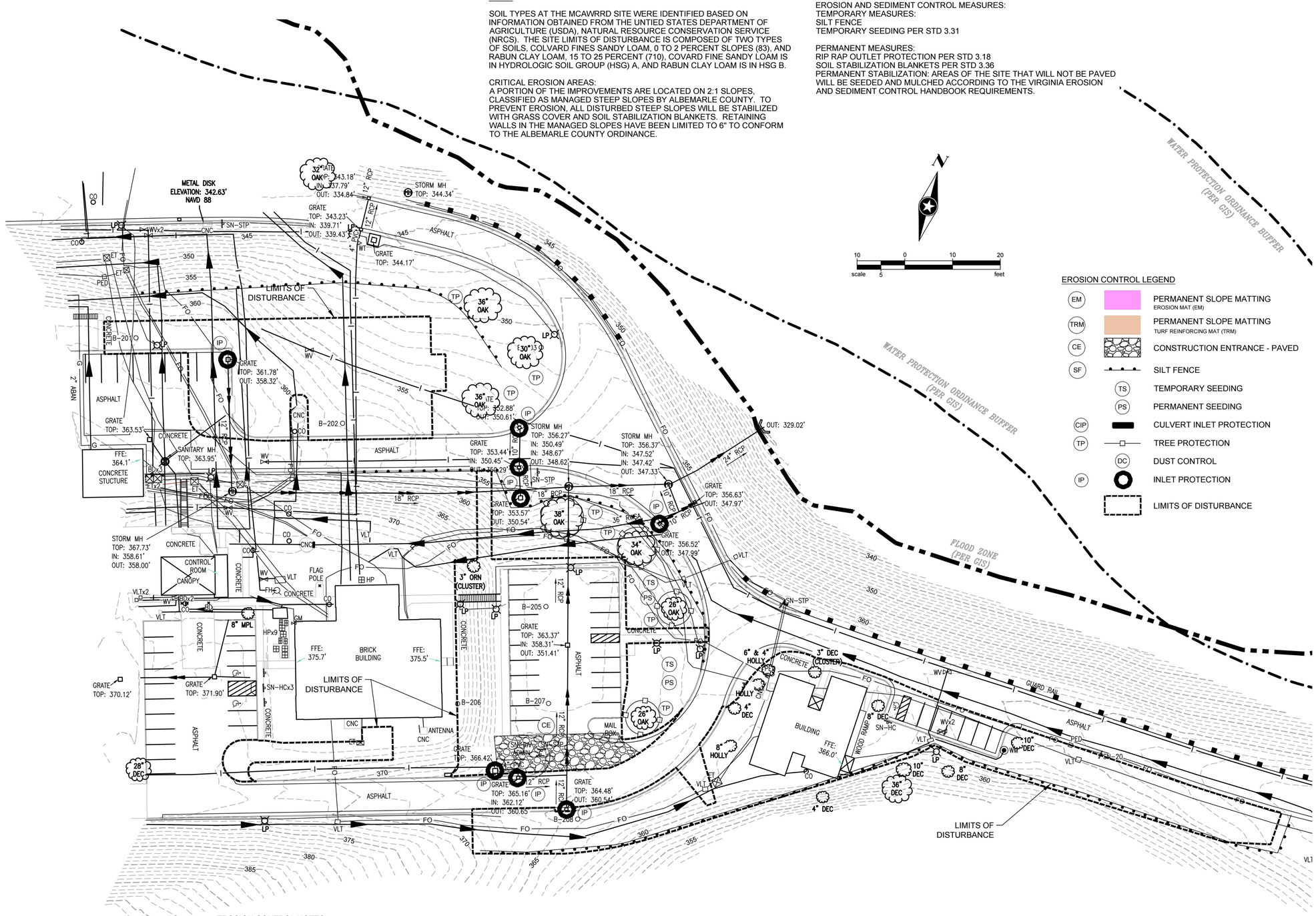
SOILS:

SOIL TYPES AT THE MCAWRRD SITE WERE IDENTIFIED BASED ON INFORMATION OBTAINED FROM THE UNTIED STATES DEPARTMENT OF AGRICULTURE (USDA), NATURAL RESOURCE CONSERVATION SERVICE (NRCS). THE SITE LIMITS OF DISTURBANCE IS COMPOSED OF TWO TYPES OF SOILS, COLVARD FINES SANDY LOAM, 0 TO 2 PERCENT SLOPES (83), AND RABUN CLAY LOAM, 15 TO 25 PERCENT (710), COVARD FINE SANDY LOAM IS IN HYDROLOGIC SOIL GROUP (HSG) A, AND RABUN CLAY LOAM IS IN HSG B.

CRITICAL EROSION AREAS:
A PORTION OF THE IMPROVEMENTS ARE LOCATED ON 2:1 SLOPES, CLASSIFIED AS MANAGED STEEP SLOPES BY ALBEMARLE COUNTY. TO PREVENT EROSION, ALL DISTURBED STEEP SLOPES WILL BE STABILIZED WITH GRASS COVER AND SOIL STABILIZATION BLANKETS. RETAINING WALLS IN THE MANAGED SLOPES HAVE BEEN LIMITED TO 6" TO CONFORM TO THE ALBEMARLE COUNTY ORDINANCE.

EROSION AND SEDIMENT CONTROL MEASURES:
TEMPORARY MEASURES:
SILT FENCE
TEMPORARY SEEDING PER STD 3.31

PERMANENT MEASURES:
RIP RAP OUTLET PROTECTION PER STD 3.18
SOIL STABILIZATION BLANKETS PER STD 3.36
PERMANENT STABILIZATION: AREAS OF THE SITE THAT WILL NOT BE PAVED WILL BE SEEDED AND MULCHED ACCORDING TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK REQUIREMENTS.



EROSION CONTROL LEGEND

- EM — PERMANENT SLOPE MATTING (EROSION MAT (EM))
- TRM — PERMANENT SLOPE MATTING (TURF REINFORCING MAT (TRM))
- CE — CONSTRUCTION ENTRANCE - PAVED
- SF — SILT FENCE
- TS — TEMPORARY SEEDING
- PS — PERMANENT SEEDING
- CIP — CULVERT INLET PROTECTION
- TP — TREE PROTECTION
- DC — DUST CONTROL
- IP — INLET PROTECTION
- LIMITS OF DISTURBANCE

EROSION CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES TO BE CONSTRUCTED AND MAINTAINED IN CONFORMANCE OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
2. UNSTABILIZED SLOPES MUST BE TRACKED AT THE END OF EACH DAY TO ROUGHEN THE SURFACE MEETING REQUIREMENTS OF SECTION 3.31 OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
3. THE CONTRACTOR SHALL TAKE OWNERSHIP FOR ALL EXCESS MATERIAL AND BE RESPONSIBLE FOR PROPERLY DISPOSING OF ALL EXCESS MATERIAL.
4. TEMPORARY STABILIZATION SHALL BE OBTAINED BY TEMPORARY SEEDING AND MULCHING IN ACCORDANCE WITH STD. & SPECS 3.31 AND 3.35 OF THE VESCH. TEMPORARY SEEDING AND MULCHING SHALL BE USED ON ANY DISTURBED AREAS THAT SHALL NOT BE WORKED FOR MORE THAN 14 DAYS.
5. PERMANENT STABILIZATION SHALL BE OBTAINED BY PERMANENT SEEDING AND SOIL STABILIZATION BALANKET & MATTING IN ACCORDANCE WITH STD. & SPEC. 3.32 AND 3.36. PLACEMENT OF SOIL STABILIZATION SHALL BE IN ACCORDANCE WITH STANDARD PLATES 3.36-1 AND 3.36-2.
6. ADDITIONAL ESC BMP MEASURES TO BE INSTALLED WHEN REQUIRED BY ALBEMARLE COUNTY.
7. INSTALL TEMPORARY SEED, PERMANENT SEED, AND/OR EROSION MATTING IN OPEN AREA AS REQUIRED.

GENERAL NOTES:

1. ALL DISTURBED OPEN SPACES SHALL BE RESTORED WITH EROSION CONTROL MATTING PER ALBEMARLE COUNTY CODE AND STATE REGULATORY REQUIREMENTS.
2. CONTRACTOR MAY USE ALL OPEN SPACE FOR STAGING PURPOSES. AT MINIMUM CONTRACTOR SHALL INSTALL SILT FENCE AROUND ANY CONTRACT STOCKPILE/LAYDOWN AREA. CONTRACTOR SHALL INSTALL ALL REQUIRED EROSION CONTROL PRACTICES PER VDOT SPECIFICATIONS IN ALL ANY AREAS THAT REQUIRE ADDITIONAL GRADING NOT SHOWN PRIOR TO USE.

IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED AFTER EACH RAINFALL OR WEEKLY, WHICHEVER IS MORE FREQUENT, AND SHOULD BE CLEANED AND REPAIRED ACCORDING TO THE FOLLOWING SCHEDULE:

EROSION AND SEDIMENT CONTROLS WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION AND BUILDUP OR CLOGGING WITH SEDIMENT. CORRECTIVE ACTION SHALL BE TAKEN IMMEDIATELY.

FREQUENT INSPECTIONS AND CLEANING OF MUD AND DEBRIS FOUND OUTSIDE OF THE LIMITS OF DISTURBANCE IS REQUIRED, ALONG WITH ANY OTHER REMEDIES REQUIRED BY THE COUNTY.

ALL SEEDED AREAS WILL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND OF GRASS IS MAINTAINED. AREAS SHALL BE RESEEDED AS NEEDED. TEMPORARY STABILIZATION WILL BE USED AS REQUIRED BY THE COUNTY.

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Project Status	Issue Date

REVISION SCHEDULE

REV. #	DESCRIPTION

EROSION & SEDIMENT CONTROL PLAN

C006

LEGEND

ASPHALT PAVEMENT

PERMEABLE PAVERS

CONCRETE SIDEWALK

N

scale 15 — 30 0 30 60 — feet

WATER PROTECTION ORDINANCE BUFFER (PER GIS)

FLOOD ZONE (PER GIS)

PROPOSED PARKING SPACES = 174

EXISTING WEST (NOT SHOWN):	
(EXISTING):	42
TOTAL	42
NORTH	
(PROPOSED):	36
TOTAL:	36
WEST (ADMINISTRATIVE)	
(EXISTING):	17
(PROPOSED):	-2
TOTAL:	15
GRAVEL OVERFLOW	
(EXISTING):	12
OLD STAFF BUILDING	
(PROPOSED):	21
COMPOST ROAD	
(PROPOSED):	26
ADDITIONAL PARKING	
(PROPOSED):	22

PERMEABLE PAVERS

CATCH BASIN (TYP)

ASPHALT PAVED PARKING LOT W/ CURB & GUTTER

STM MH RIM = 362.5 12" INV = 353.85

24.2 LF OF 12" RCP @ 4.28% SLOPE

STM MH RIM = 362.2 12" INV = 354.89

GRASS ISLAND

CONNECT 6" DIA. WATER LINE TO EXISTING WATER LINE

CONCRETE STAIRS W/ LANDINGS

72.8 LF OF 12" RCP @ 4.28% SLOPE

CONCRETE SIDEWALK

FM

PROPOSED BUILDING FFE = 363.0'

1-1/2" PRESSURE SANITARY SEWER SERVICE LATERAL

STM MH RIM = 362.3 12" INV = 358.00

ASPHALT PAVEMENT

RETAINING WALL

ASPHALT PAVED PARKING AREAS

30 LF OF 12" RCP @ 4.28% SLOPE

STM MH RIM = 362.2 12" INV = 359.29

PERMEABLE PAVERS

RETAINING WALL

ASPHALT PAVED PARKING AREAS

PERMEABLE PAVERS

RETAINING WALL

24'

Rivanna Water and Sewer Authority
Moores Creek Administration Building
695 Moores Creek Ln.
Charlottesville, VA 22902

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SEH Project
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Project Status — Issue Date

REVISION SCHEDULE

REV. # — DESCRIPTION

SITE PLAN

C007

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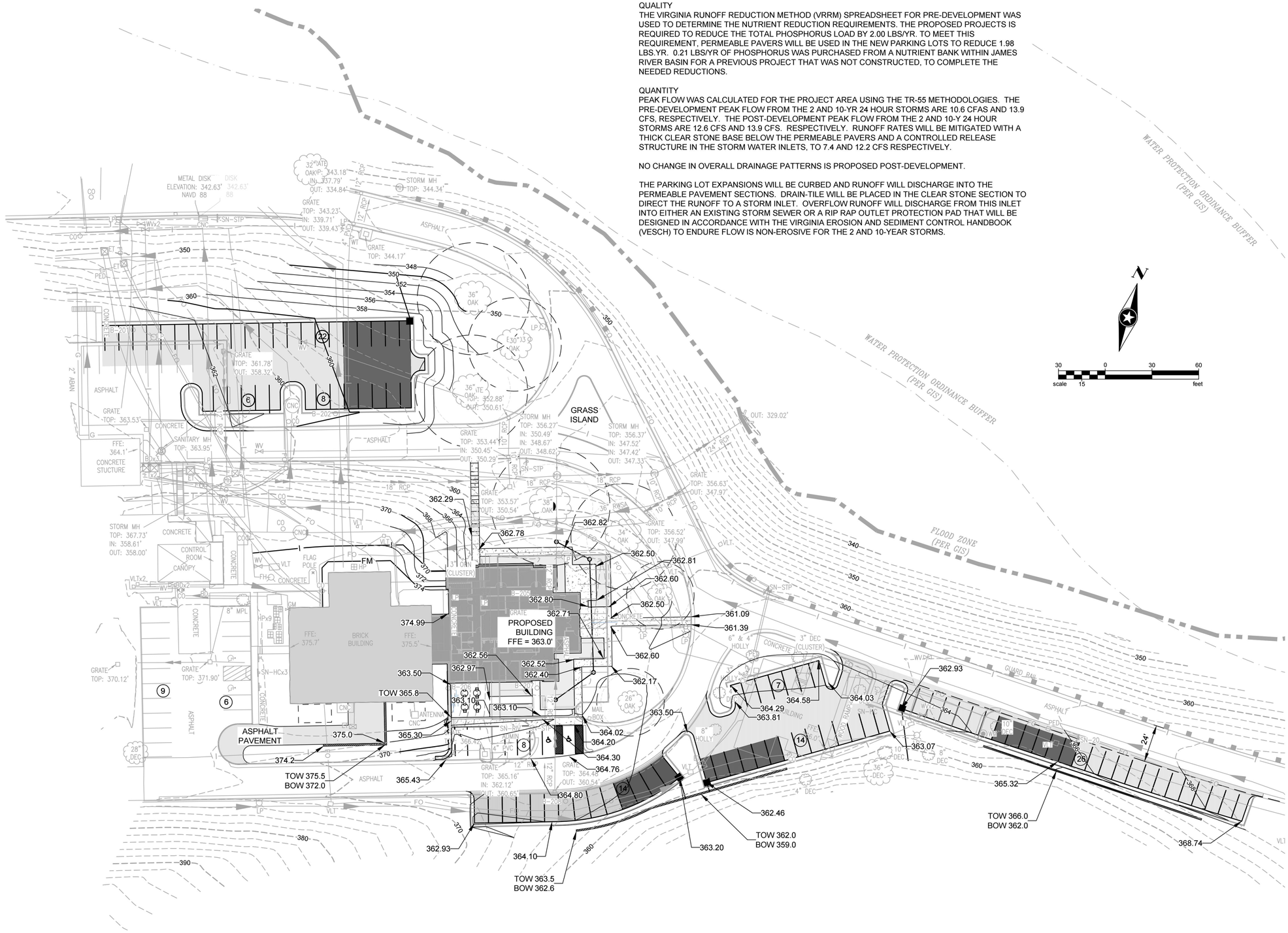
STORMWATER RUNOFF CONSIDERATIONS:

QUALITY
THE VIRGINIA RUNOFF REDUCTION METHOD (VRRM) SPREADSHEET FOR PRE-DEVELOPMENT WAS USED TO DETERMINE THE NUTRIENT REDUCTION REQUIREMENTS. THE PROPOSED PROJECTS IS REQUIRED TO REDUCE THE TOTAL PHOSPHORUS LOAD BY 2.00 LBS/YR. TO MEET THIS REQUIREMENT, PERMEABLE PAVERS WILL BE USED IN THE NEW PARKING LOTS TO REDUCE 1.98 LBS.YR. 0.21 LBS/YR OF PHOSPHORUS WAS PURCHASED FROM A NUTRIENT BANK WITHIN JAMES RIVER BASIN FOR A PREVIOUS PROJECT THAT WAS NOT CONSTRUCTED, TO COMPLETE THE NEEDED REDUCTIONS.

QUANTITY
PEAK FLOW WAS CALCULATED FOR THE PROJECT AREA USING THE TR-55 METHODOLOGIES. THE PRE-DEVELOPMENT PEAK FLOW FROM THE 2 AND 10-YR 24 HOUR STORMS ARE 10.6 CFAS AND 13.9 CFS, RESPECTIVELY. THE POST-DEVELOPMENT PEAK FLOW FROM THE 2 AND 10-Y 24 HOUR STORMS ARE 12.6 CFS AND 13.9 CFS. RESPECTIVELY. RUNOFF RATES WILL BE MITIGATED WITH A THICK CLEAR STONE BASE BELOW THE PERMEABLE PAVERS AND A CONTROLLED RELEASE STRUCTURE IN THE STORM WATER INLETS, TO 7.4 AND 12.2 CFS RESPECTIVELY.

NO CHANGE IN OVERALL DRAINAGE PATTERNS IS PROPOSED POST-DEVELOPMENT.

THE PARKING LOT EXPANSIONS WILL BE CURBED AND RUNOFF WILL DISCHARGE INTO THE PERMEABLE PAVEMENT SECTIONS. DRAIN-TILE WILL BE PLACED IN THE CLEAR STONE SECTION TO DIRECT THE RUNOFF TO A STORM INLET. OVERFLOW RUNOFF WILL DISCHARGE FROM THIS INLET INTO EITHER AN EXISTING STORM SEWER OR A RIP RAP OUTLET PROTECTION PAD THAT WILL BE DESIGNED IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH) TO ENDURE FLOW IS NON-EROSIVE FOR THE 2 AND 10-YEAR STORMS.



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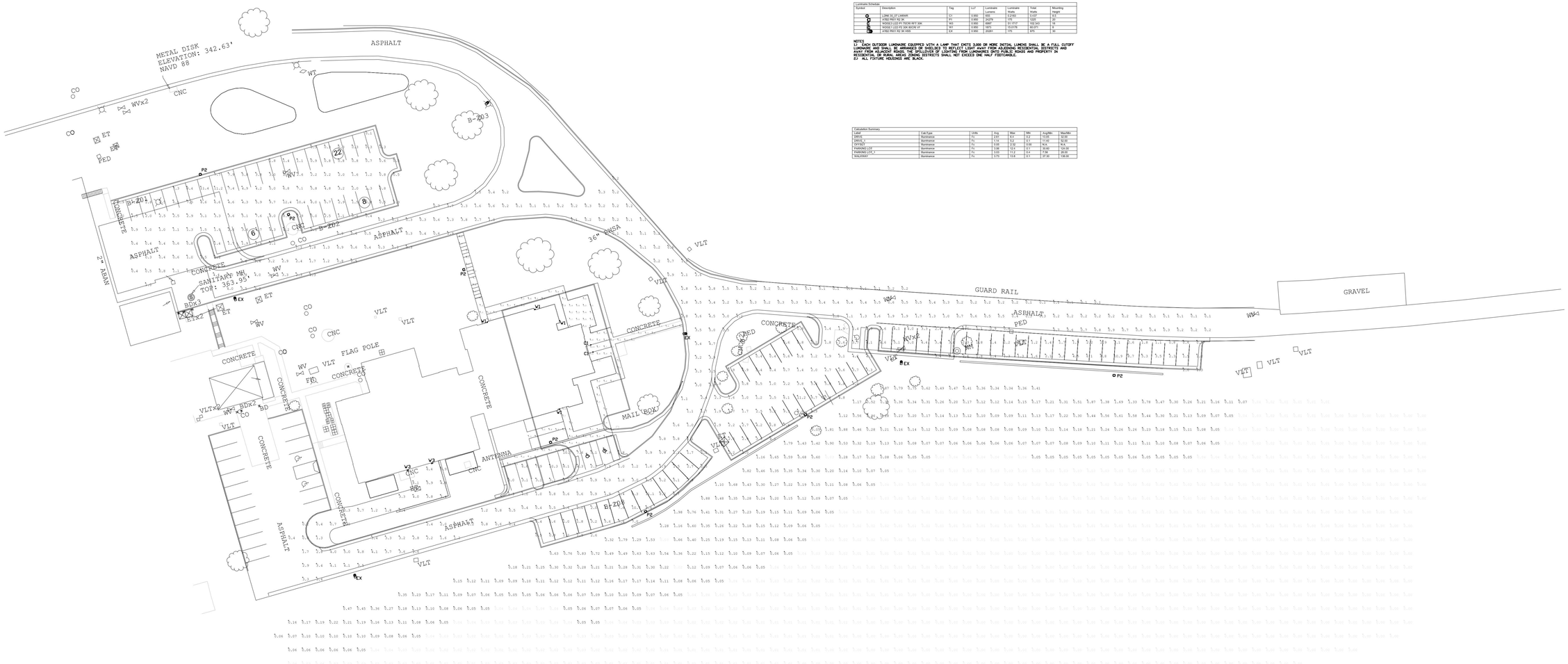
REVISION SCHEDULE

REV. # | DESCRIPTION

GRADING PLAN

C008

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Luminaire Schedule

Symbol	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height
	12MM-SC-37-UWBMR	C1	0.900	655	6.2183	6.427	8.5
	4-552-P607-R2 96	P1	0.900	21279	175	1225	40
	WDGC1-LED P1 700K RFT 30K	W3	0.900	6997	51.1717	102.343	16
	WDGC1-LED P2 30K WIDE 57	W1	0.900	7873	70.5178	93.071	8
	4-552-P607-R2 04 HSS	EX	0.900	26241	175	675	30

NOTES
1. EACH OUTDOOR LUMINAIRE EQUIPPED WITH A LAMP THAT EMITS 3,000 OR MORE INITIAL LUMENS SHALL BE A FULL CUTOFF LUMINAIRE AND SHALL BE ARRANGED OR SHIELDED TO REFLECT LIGHT AWAY FROM ADJOINING RESIDENTIAL DISTRICTS AND AWAY FROM ADJACENT ROADS. THE SPILLOVER OF LIGHTING FROM LUMINAIRES ONTO PUBLIC ROADS AND PROPERTY IN ADJOINING RESIDENTIAL OR AGRICULTURAL DISTRICTS SHALL NOT EXCEED ONE HALF FOOTCANDLE.
2) ALL FIXTURE HOUSINGS ARE BLACK.

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DRIVE	Illuminance	Fc	1.61	6.4	0.2	10.05	32.00
DRIVE_1	Illuminance	Fc	1.14	5.2	0.1	11.40	52.00
ENTIRE1	Illuminance	Fc	0.05	2.32	0.00	N.A.	N.A.
PARKING LOT	Illuminance	Fc	3.06	12.4	0.1	30.60	124.00
PARKING LOT_1	Illuminance	Fc	1.99	12.4	0.1	19.90	124.00
WALKWAY	Illuminance	Fc	3.73	13.8	0.1	37.30	138.00

1 E0-1 SITE PLAN
SCALE: NONE

5/31/2023 11:34:18 AM

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Drawn By	KEZ

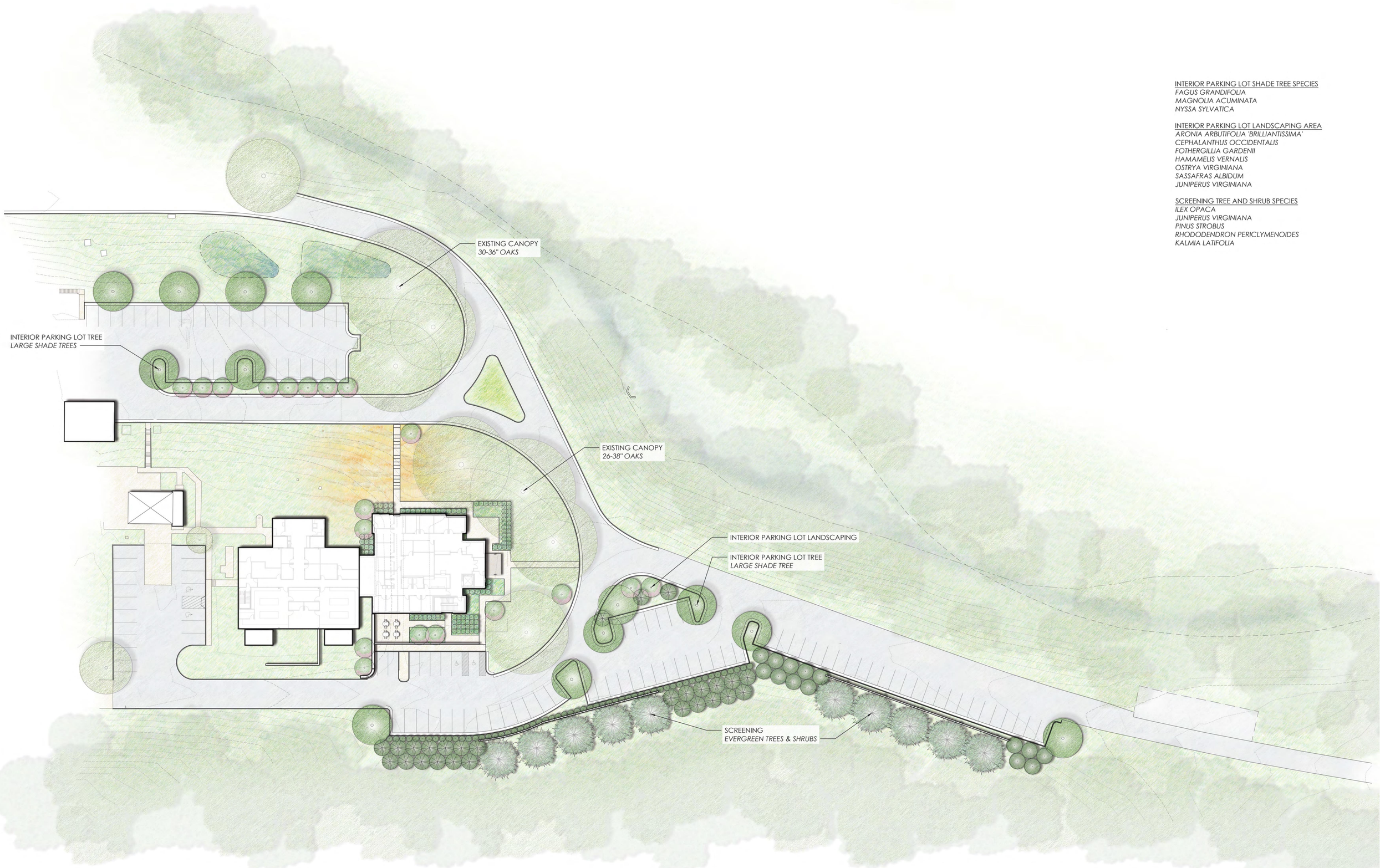
Project Status **Issue Date**

REVISION SCHEDULE

REV. #	DESCRIPTION	DATE

PROPOSED SITE PHOTOMETRIC

E0-1



INTERIOR PARKING LOT SHADE TREE SPECIES
FAGUS GRANDIFOLIA
MAGNOLIA ACUMINATA
NYSSA SYLVATICA

INTERIOR PARKING LOT LANDSCAPING AREA
ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'
CEPHALANTHUS OCCIDENTALIS
FOTHERGILLIA GARDENII
HAMAMELIS VERNALIS
OSTRYA VIRGINIANA
SASSAFRAS ALBIDUM
JUNIPERUS VIRGINIANA

SCREENING TREE AND SHRUB SPECIES
ILEX OPACA
JUNIPERUS VIRGINIANA
PINUS STROBUS
RHODODENDRON PERICLYMENOIDES
KALMIA LATIFOLIA

LANDSCAPE PLAN

N

0 15' 30' 60'