# UVA COMMUNITY CREDIT UNION

## SDP-1985-00054 MAJOR SITE PLAN AMENDMENT

## ALBEMARLE COUNTY, VIRGINIA

## 05/31/2024

SITE DATA:

TAX MAP PARCEL AND OWNER INFO: UNIVERSITY OF VIRGINIA CREDIT UNION
3300 BERKMAR DRIVE
CHARLOTTESVILLE VA, 22901

PARCEL ID: 07600-00-00-05500

TOTAL SITE AREA: 6.00 ACRES

LIMITS OF DISTURBANCE: 2.07 ACRES

EXISTING IMPERVIOUS AREA: 1.10 ACRES

PROPOSED IMPERVIOUS AREA: 1.34 ACRES

SOURCE OF SURVEY, BOUNDARY, AND TOPOGRAPHY: TIMMONS GROUP
28 IMPERIAL DRIVE
STAUNTON, VA 24401
JOSEPH C. MEDLEY, L.S.
(540) 885-0920
CONDUCTED: DECEMBER 13-14, 2022

HORIZONTAL DATUM REFERENCE: NAD83

VERTICAL DATUM REFERENCE: NAVD88

MISS UTILITY TICKET NUMBER: A121700921

CURRENT USE: VACANT

PROPOSED USE: CREDIT UNION

ZONING: HIGHWAY COMMERCIAL

MAGISTERIAL DISTRICT: SCOTTSVILLE DISTRICT

SETBACKS: FRONT: 10' MIN
SIDE: NONE
REAR: 50' MIN

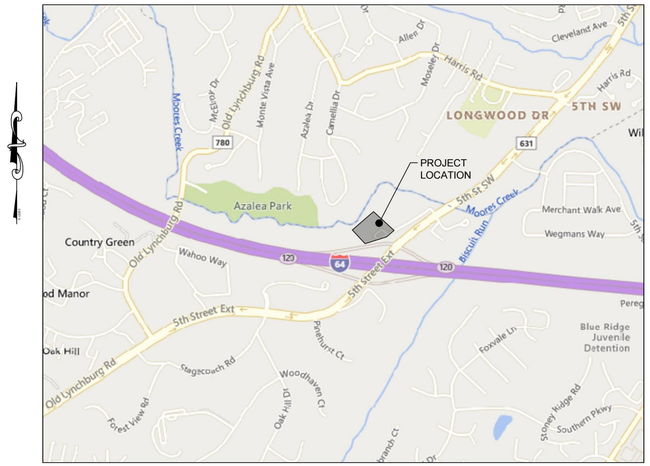
EXISTING PARKING SPACES: 196 SPACES (5 ADA SPACES)
PROPOSED PARKING SPACES: 213 SPACES (8 ADA SPACES - 4 VAN AND 4 CAR)

PARKING REQUIRED: (1 SPACE / 1,000 SF) x 41,086 SF = 42 SPACES

EXISTING COMMERCIAL SQUARE FOOTAGE: 41,943 SF
PROPOSED COMMERCIAL SQUARE FOOTAGE: 41,086 SF

INDUSTRIAL USES: NONE

EXISTING MAIN BUILDING HEIGHT: 56' - 7"
PROPOSED MAIN BUILDING HEIGHT: 33' - 10"
EXISTING CELL TOWER HEIGHT: APPROXIMATELY 130'
EXISTING SMALL BRICK BUILDING HEIGHT: APPROXIMATELY 14' - 6"




**VICINITY MAP**

SCALE: 1" = 1,000'

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| C2.00 | SURVEY NOTES |
| C2.01 | EXISTING CONDITIONS |
| C2.02 | DEMOLITION PLAN |
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TOTAL SHEETS = 23

## OWNER:

UVA COMMUNITY CREDIT UNION
3300 BERKMAR DRIVE
CHARLOTTESVILLE, VA 22901
CONTACT: SUSAN GRUBER
PHONE: 434-964-2002
SUSAN.GRUBER@UVACREDITUNION.COM

## DEVELOPER:

UVA COMMUNITY CREDIT UNION
300 2ND ST NE
CHARLOTTESVILLE, VA 22902
CONTACT: FRANK HUFFMAN
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## ENGINEER OF RECORD:

TIMMONS GROUP
608 PRESTON AVENUE SUITE 200
CHARLOTTESVILLE, VA 22903
CONTACT: KEVIN FLYNN, P.E.
434-327-1699
KEVIN.FLYNN@TIMMONS.COM

SIGNATURE PANEL:

| | APPROVAL | DATE |
|---|---|---|
| DEPARTMENT OF COMMUNITY DEVELOPMENT | | |
| PLANNING & ZONING | | |
| ENGINEERING | | |
| INSPECTIONS | | |
| E911 | | |
| DEPARTMENT OF FIRE AND RESCUE | | |
| ALBEMARLE COUNTY SERVICE AUTHORITY | | |
| VIRGINIA DEPARTMENT OF TRANSPORTATION | | |
| VIRGINIA DEPARTMENT OF HEALTH | | |
| ARCHITECTURAL REVIEW BOARD | | |

COMMONWEALTH OF VIRGINIA
KEVIN B. FLYNN
Lic. No. 53836
PROFESSIONAL ENGINEER
5/31/24
NOT FOR CONSTRUCTION
63216-SITE


THIS DRAWING PREPARED AT THE
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REVISION DESCRIPTION

DATE

DATE 05/31/2024
DRAWN BY B. PERDUE
DESIGNED BY K. FLYNN
CHECKED BY K. FLYNN
SCALE N/A

TIMMONS GROUP

UVA COMMUNITY CREDIT UNION
ALBEMARLE COUNTY, VA
COVER SHEET

JOB NO. 63216
SHEET NO. C0.00


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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 PSI), UNLESS OTHERWISE NOTED.
12. ALL ENTRANCES ARE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CURRENT VDOT STANDARDS.
13. 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.
14. 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.
15. CASING SLEEVES SHALL BE PLACED AT ALL ROAD CROSSINGS FOR GAS, POWER, TELEPHONE AND CABLE TV SERVICE TRUNK LINES. (N/A)
16. THE INSTALLATION OF SEWER, WATER, AND GAS MAINS (INCLUDING SERVICE LATERALS AND SLEEVES) SHALL BE COMPLETED PRIOR TO THE PLACEMENT OF AGGREGATE BASE COURSE.
17. VDOT & ALBEMARLE COUNTY APPROVAL OF CONSTRUCTION PLANS DOES NOT PRECLUDE THE RIGHT TO REQUIRE ADDITIONAL FACILITIES AS DEEMED NECESSARY.
18. 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).
19. 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.
20. THE SCHEDULING OF AGGREGATE BASE INSTALLATION AND SUBSEQUENT PAVING ACTIVITIES SHALL ACCOMMODATE FORECAST WEATHER CONDITIONS PER SECTION 315 OF THE ROAD AND BRIDGE SPECIFICATIONS.
21. 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).
22. A GEOTECHNICAL ENGINEER IS TO ASCERTAIN CAUSE AND CERTIFY RECOMMENDED METHOD OF REPAIR FOR ALL PAVEMENT STRUCTURAL FAILURES PRIOR TO STATE ACCEPTANCE. (N/A)
23. ALL VEGETATION AND ORGANIC MATERIAL IS TO BE REMOVED FROM THE PROPOSED PAVEMENT LIMITS PRIOR TO CONDITIONING OF THE SUBGRADE.
24. 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.
25. 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)
26. GRADE LINES ON PROFILES DENOTE FINISHED GRADE OF CENTER LINE OF ROAD. (N/A)
27. ALL APPROACH GUTTERS TO SAG INLETS SHALL MAINTAIN A MINIMUM SLOPE OF 0.004 ft./ft.
28. 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)
29. 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.
30. 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.
31. THE CLEAR ZONE IS TO BE FREE OF STORED MATERIALS AND PARKED EQUIPMENT.
32. HORIZONTAL AND VERTICAL SIGHT DISTANCES SHALL BE FREE OF PARKED VEHICLES.
33. 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.
34. VISIBILITY OF ALL MECHANICAL EQUIPMENT FROM THE ENTRANCE CORRIDOR SHALL BE ELIMINATED.
35. 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 ANSI A117.1-09 AND THE 2015 VIRGINIA CONSTRUCTION CODE.
36. ALL ROOF DRAINS SHALL DISCHARGE IN A MANNER NOT TO CAUSE A PUBLIC NUISANCE AND NOT OVER SIDEWALKS.
37. BUILDINGS OR STRUCTURES BUILT BEFORE JANUARY 1, 1985 MUST HAVE AN ASBESTOS SURVEY PERFORMED IN ORDER TO APPLY FOR A DEMOLITION PERMIT. ASBESTOS REMOVAL PERMITS ARE REQUIRED IF POSITIVE FOR SUCH FROM ALBEMARLE COUNTY AND VDOLI. CONTACT VDOLI FOR THEIR ADDITIONAL REQUIREMENTS AND PERMITS FOR DEMOLITION PROJECTS AT 540-562-3580 x131.
38. 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.
39. CONTACT ACSA 3 DAYS PRIOR TO ESTABLISHING A CONNECTION TO THE ACSA WATER MAIN.

## 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 DESIGNEE, 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.
8. UNLESS OTHERWISE NOTED ALL CONCRETE PIPE SHALL BE REINFORCED CONCRETE PIPE - CLASS III.
9. ALL EXCAVATION FOR UNDERGROUND PIPE INSTALLATION MUST COMPLY WITH OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY (29 CFR PART 1926).
10. 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.
11. 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 IN AREAS WHERE SMOKING MAKES CONDITIONS A HAZARD AND THESE AREAS SHALL BE DESIGNATED WITH "NO SMOKING" SIGNS PER THE VIRGINIA STATEWIDE FIRE PREVENTION CODE.
2. AREAS WHERE SMOKING CAN OCCUR SHALL HAVE APPROPRIATE RECEPTACLES FOR DISCARDED SMOKING MATERIALS PER THE VIRGINIA STATEWIDE FIRE PREVENTION CODE.
3. 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 MA BE VIA PERMANENT OR TEMPORARY ROAD, BUT SHALL BE CAPABLE OF SUPPORTING FIRE APPARATUS IN ALL WEATHER CONDITIONS.
4. CONTRACTOR SHALL ENSURE THE STREET NUMBERS ARE PLAINLY VISIBLE FROM THE FRONTAGE STREET DURING CONSTRUCTION PER THE VIRGINIA STATEWIDE FIRE CODE.
5. AN APPROVED WATER SUPPLY FOR FIREFIGHTING OPERATIONS SHALL BE IN PLACE AND AVAILABLE AS SOON AS COMBUSTIBLE MATERIALS ARRIVE ON SITE.
6. 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.
7. 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.
8. 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. THE DEVELOPER SHALL RESERVE THE RIGHT TO INSTALL, MAINTAIN, REMOVE OR CONVERT TO PERMANENT STORMWATER MANAGEMENT FACILITIES WHERE APPLICABLE ALL EROSION CONTROL MEASURES REQUIRED BY THIS PLAN REGARDLESS OF THE SALE OF ANY LOT, UNIT, BUILDING OR OTHER PORTION OF THE PROPERTY.
17. 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.
18. 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 1000LBS/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.
19. 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 50% OF THE WET STORAGE VOLUME IS FILLED WITH SEDIMENT. ALL SEEDED AREAS SHALL BE RESEEDED 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.
20. 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.
21. THIS PLAN SHALL BE VOID IF THE OWNER DOES NOT OBTAIN A PERMIT WTIHIN 1 YEAR OF THE DATE OF APPROVAL. (WATER PROTECTION ORDINANCE SECTION 17-204G.)
22. PERMANENT VEGETATION SHALL BE INSTALLED ON ALL DENUDED AREAS WITHIN NINE (9) MONTHS AFTER THE DATE THE LAND DISTURBING ACTIVITY COMMENCED. (WATER PROTECTION ORDINANCE SECTION 17-207B)

### PROPOSED LEGEND

- PROPERTY LINE
- STORM PIPE
- UGP — ELECTRIC DUCT BANK
- CATCH BASIN
- 1 — STORM MANHOLE
- BOLLARD
- STREET SIGN
- LIMITS OF DISTURBANCE
- XXX — MAJOR CONTOUR
- XXX — MINOR CONTOUR
- SITE LIGHT
- X — PARKING SPACE COUNT
- DRAINAGE EASEMENT

### GRADING

TC = TOP OF CURB
BC = BOTTOM OF CURB
EP = EDGE OF PAVEMENT
EC = EDGE OF CONCRETE
TW = TOP OF WALL
BW = BOTTOM OF WALL
TS = TOP OF STAIRS
BS = BOTTOM OF STAIRS

# VDOT CHARLOTTESVILLE RESIDENCY GENERAL NOTES AND DETAILS

1. ALL MATERIALS AND CONSTRUCTION WITHIN THE PUBLIC RIGHT OF WAY SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE *VIRGINIA DEPARTMENT OF TRANSPORTATION'S ROAD AND BRIDGE SPECIFICATIONS, ROAD AND BRIDGE STANDARDS AND VIRGINIA WORK AREA PROTECTION MANUAL.*
2. LAND USE PERMITS (LUP) SHALL BE OBTAINED FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION PRIOR TO BEGINNING ANY CONSTRUCTION WITHIN THE EXISTING STATE MAINTAINED RIGHT-OF-WAY (INCLUDING ACCESS).
3. VDOT REQUIRES NOTIFICATION 48 HOURS PRIOR TO COMMENCING WITH INITIAL CONSTRUCTION ACTIVITIES. PLEASE CONTACT THE APPROPRIATE PERMIT OFFICE IN WHICH YOUR PROPOSED ACTIVITIES ARE TO OCCUR.
4. APPROVAL OF A DETAILED CONSTRUCTION SEQUENCING AND MAINTENANCE OF TRAFFIC PLAN FOR THE WORK ZONE IS A PREREQUISITE FOR ISSUANCE OF A LAND USE PERMIT. THE PLAN SHALL ACCOMMODATE ACCESS TO AND CONSTRUCTION WITHIN VDOT MAINTAINED RIGHT-OF-WAY.
5. WORK ZONES - REQUESTS FOR THE IMPLEMENTATION OF TEMPORARY LANE AND SHOULDER CLOSURES ON INTERSTATE, LIMITED ACCESS PRIMARY ROUTES, AND HIGH VOLUME SECONDARY ROUTES MUST BE ENTERED INTO THE VDOT LANE CLOSURE ADVISORY MANAGEMENT SYSTEM (LCAMS) BY 12:00 PM ON THURSDAY THE WEEK BEFORE THE WORK IS TO TAKE PLACE FOR APPROVAL. CONTACT THE WORK ZONE COORDINATOR AT 540-717-4121 FOR QUESTIONS AND ASSISTANCE. ALL LANE/SHOULDER CLOSURES REQUIRING LCAMS APPROVAL SHALL BE ENTERED INTO VA TRAFFIC. LANE/SHOULDER CLOSURES ON PRIMARY AND MAJOR SECONDARY ROUTES MUST ALSO BE ENTERED IN VA TRAFFIC. MAJOR SECONDARY ROUTES ARE DEFINED AS THOSE LISTED IN THE RICHMOND DISTRICT RECOMMENDED WORK HOURS DOCUMENT. JUST PRIOR TO THE FIRST CONE GOING DOWN, USERS MUST CONTACT THE TOC AT 540-332-9500 TO ACTIVATE THE WORK ZONE AND WHEN THE LAST CONE HAS BEEN PICKED UP TO DEACTIVATE THE WORK ZONE.
6. PERMITTEE MUST NOTIFY VIRGINIA DEPARTMENT OF TRANSPORTATION TOC WHEN THERE IS A CRASH IN A WORK ZONE AT 540-332-9500
7. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CONSULT THE DEVELOPER'S ENGINEERING CONSULTANT AND VERIFY THE APPROVAL OF THE PLANS BY ALL APPLICABLE FEDERAL, STATE AND LOCAL AGENCIES.
8. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHOWN ON PLANS IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT THE DEVELOPER'S ENGINEERING CONSULTANT IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON PLAN. IF THERE APPEARS TO BE A CONFLICT, OR UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THIS PLAN, CALL MISS UTILITY AT 811. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE RELOCATION OF ANY UTILITY WITHIN EXISTING AND PROPOSED RIGHT OF WAY REQUIRED BY THE DEVELOPMENT.
9. THE PERMITTEE OR THEIR AGENT MUST CONTACT THE VDOT CUSTOMER SERVICE CENTER AT 1-800-367-7623 A MINIMUM OF 48 HOURS PRIOR TO INITIATING ANY PLANNED EXCAVATION WITHIN 1,000 FEET OF A SIGNALIZED INTERSECTION AND/OR NEAR VDOT ITS INFRASTRUCTURE. EXCAVATION MAY PROCEED ONLY AFTER THE VDOT REGIONAL UTILITY LOCATION AGENT HAS NOTIFIED THE PERMITTEE THAT THE UTILITY MARKING HAS BEEN COMPLETED. ADDITIONAL INFORMATION CAN BE FOUND AT: HTTP://WWW.VIRGINIADOT.ORG/BUSINESS/RESOURCES/IIM/TE-383_REQUEST_FOR_MARKING_VDOT_UTILITY_LOCATION.PDF, MISS UTILITY, DOES NOT LOCATE VDOT UTILITIES.
10. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF ALL POINTS OF CONNECTION OF PROPOSED WORK TO EXISTING CURBS, SANITARY LINES, WATER LINES, ETC., PRIOR TO CONSTRUCTION.
11. DESIGN CHANGES, SPECIFIED MATERIALS CHANGES AND FIELD CHANGES FROM THE APPROVED PLANS SHALL BE RE-SUBMITTED TO VDOT FOR APPROVAL PRIOR TO PROCEEDING WITH THE WORK. A LETTER OF EXPLANATION SHALL ACCOMPANY THE PROPOSED REVISION ALONG WITH DRAINAGE CALCULATIONS WHEN APPROPRIATE.
12. VDOT APPROVAL OF CONSTRUCTION PLANS DOES NOT PRECLUDE THE RIGHT TO REQUIRE ADDITIONAL FACILITIES AS DEEMED NECESSARY FOR ACCEPTANCE OF THE ROADS INTO THE VDOT SECONDARY ROAD SYSTEM BASED ON FIELD CONDITIONS OR UNAPPROVED PLAN CHANGES.
13. VDOT APPROVAL OF THESE PLANS WILL EXPIRE FIVE (5) YEARS FROM THE DATE OF APPROVAL FOR SITE PLANS AND SUBDIVISION PLANS IF CONSTRUCTION HAS NOT STARTED.
14. PRELIMINARY DESIGN OF THE PAVEMENT STRUCTURE FOR ALL SUBDIVISION STREETS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF *THE PAVEMENT DESIGN GUIDE FOR SUBDIVISION AND SECONDARY ROADS IN VIRGINIA*. THE COMPLETED DESIGN WORKSHEET APPENDIX IV SHALL BE INCLUDED WITH THE INITIAL PLAN SUBMITTAL FOR EACH PROPOSED PAVEMENT SECTION UTILIZING THE PREDICTED SOIL SUPPORT VALUE SHOWN IN APPENDIX I OF THE PAVEMENT DESIGN GUIDE OR AS REPORTED IN A GEOTECHNICAL ANALYSIS OF THE ON-SITE SOILS.
15. A COPY OF THE COMPLETE CBR REPORT SHALL BE SUBMITTED TO VDOT IN CONJUNCTION WITH FINAL PAVEMENT DESIGNS. ALL PAVEMENT DESIGN RECOMMENDATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITION OF *PAVEMENT DESIGN GUIDE FOR SUBDIVISION AND SECONDARY ROADS IN VIRGINIA*.
16. ALL VEGETATION AND ORGANIC MATERIAL SHALL BE REMOVED FROM THE RIGHT OF WAY LIMITS PRIOR TO CONDITIONING OF THE SUBGRADE.
17. UPON DISCOVERY OF SOILS THAT ARE UNSUITABLE FOR FOUNDATIONS, SUBGRADES, OR OTHER ROADWAY CONSTRUCTION PURPOSES, THE DEVELOPER OR HIS DESIGNEE, WHICH MAY BE THE CONTRACTOR, SHALL IMMEDIATELY ENGAGE A GEOTECHNICAL ENGINEER AND NOTIFY VDOT. THESE AREAS SHALL BE EXCAVATED BELOW PLAN GRADE AS DIRECTED BY THE GEOTECHNICAL ENGINEER, BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED IN ACCORDANCE WITH CURRENT VDOT SPECIFICATIONS.
18. THE NECESSITY AND LOCATIONS FOR ADDITIONAL VDOT STANDARD UNDERDRAINS SHALL BE DETERMINED AT TIME OF SUBGRADE INSPECTION. VIDEO INSPECTION OF ACCESSIBLE OUTLET LOCATIONS, MAINLINE LONGITUDINAL CONNECTIONS, AND LONGITUDINAL PIPE FOR ALL PAVEMENT UNDERDRAINS, CROSS DRAINS, EDGEDRAINS AND PREFABRICATED GEOCOMPOSITE PANEL DRAINS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 501 OF THE *ROAD AND BRIDGE SPECIFICATIONS* AND *VIRGINIA TEST METHOD 108 - POST INSTALLATION INSPECTION OF UNDERDRAINS, CROSSDRAINS, AND EDGEDRAINS.*
19. VDOT SHALL HAVE PERFORMED THE REQUIRED FIELD INSPECTION (PROOF ROLL) PRIOR TO PLACEMENT OF THE AGGREGATE BASE COURSE(S). CONTACT VDOT FOR SUBGRADE INSPECTION 48 HOURS PRIOR TO SCHEDULING PLACEMENT OF AGGREGATE BASE COURSE(S).
20. THE SCHEDULING OF AGGREGATE BASE INSTALLATION AND SUBSEQUENT PAVING ACTIVITIES SHALL ACCOMMODATE FORECASTED WEATHER CONDITIONS PER SECTION 315 OF *THE ROAD AND BRIDGE SPECIFICATIONS*.
21. 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 ASPHALT CONCRETE SURFACE COURSE(S). CONTACT VDOT FOR INSPECTION OF THE AGGREGATE BASE COURSE(S) 48 HOURS PRIOR TO APPLICATION OF THE SURFACE COURSE(S).
22. A LICENSED GEOTECHNICAL ENGINEER OR HIS DESIGNEE SHALL ASCERTAIN CAUSE AND CERTIFY RECOMMENDED METHOD OF REPAIR FOR ALL PAVEMENT STRUCTURAL FAILURES PRIOR TO STATE ACCEPTANCE.
23. VDOT SHALL BE PROVIDED DOCUMENTATION BY A LICENSED GEOTECHNICAL ENGINEER, CERTIFYING THAT ALL IN-PLACE PAVEMENTS MEET OR EXCEED THE APPROVED PAVEMENT DESIGN THICKNESS PRIOR TO STATE ACCEPTANCE OF THE STREET. CORES ARE TO BE OBTAINED VERIFYING PAVEMENT THICKNESS UNLESS OTHERWISE DIRECTED BY VDOT. THE PERMIT INSPECTOR SHALL BE CONTACTED 24 HOURS PRIOR TO THE CORE SAMPLES BEING TAKEN.
24. ALL STORM SEWER DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH LATEST *VDOT DRAINAGE MANUAL, ROAD AND BRIDGE STANDARDS*, AND IIMS.
25. ALL PRE-CAST UNITS SHALL BE VDOT APPROVED. CERTIFICATION AND VDOT STAMP IS REQUIRED ON ALL UNITS.
26. ALL CONCRETE SHALL BE CLASS A3-AE (AIR ENTRAINED 3,000 PSI) UNLESS OTHERWISE SPECIFIED.
27. ALL ROADSIDE DITCHES SHOWN AS PAVED ON PLANS ARE TO BE PAVED IN ACCORDANCE WITH THE STANDARD TYPICAL SECTION AS SHOWN ON THE PLANS. ANY ADDITIONAL PAVING OF THE DITCHES, OTHER THAN THOSE SHOWN ON THE ROAD PLANS WILL BE DETERMINED PRIOR TO ACCEPTANCE OF THE ROADS INTO THE VDOT SECONDARY ROAD SYSTEM.
28. ROAD & BRIDGE SPECIFICATIONS SECTION 302, DRAINAGE STRUCTURES ADDRESSES POST INSTALLATION VISUAL/VIDEO CAMERA INSPECTION OF STORM SEWER PIPES AND PIPE CULVERTS. INSPECTION FREQUENCY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR AS NECESSITATED BY THE ENGINEER. VIDEO INSPECTION SHALL BE CONDUCTED IN ACCORDANCE WITH *VIRGINIA TEST METHOD (VTM) 123, POST INSTALLATION INSPECTION OF BURIED STORM SEWER PIPE AND PIPE CULVERTS*.
29. A CONSTRUCTION ENTRANCE SHALL BE INSTALLED ON EACH INDIVIDUAL LOT PRIOR TO ANY LOT GRADING OR HOME CONSTRUCTION ACTIVITIES AND SHALL BE ADEQUATELY MAINTAINED UNTIL ALL CONSTRUCTION TRAFFIC AREAS WITHIN THE LOT HAVE BEEN STABILIZED.
30. ALL ENTRANCES SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH CURRENT VDOT STANDARDS. RESIDENTIAL LOT ACCESS SHALL BE PROVIDED PER THE FOLLOWING CRITERIA:
   - ALL DRIVEWAY ENTRANCES AND ENTRANCE CULVERTS SHALL CONFORM TO PE-1 PRIVATE ENTRANCE STANDARDS UNLESS OTHERWISE APPROVED BY VDOT. NO ENTRANCE CULVERTS ARE TO BE INSTALLED WITHIN FIVE (5) FEET OF A PROPERTY CORNER.
   - VDOT STANDARD CG-9D ENTRANCES SHALL BE USED WHEN AN ENTRANCE IS REQUIRED IN CURB AND GUTTER NEIGHBORHOODS UNLESS OTHERWISE APPROVED BY VDOT.
31. DRY GUTTER IS NOT ALLOWED IN VDOT RIGHT OF WAY EXCEPT AS SHOWN ON VDOT'S ENTRANCE STANDARD DETAILS.
32. THE DEVELOPER SHALL FURNISH AND INSTALL STOP SIGNS AND STOP BARS AT STREET INTERSECTIONS AND ALL REGULATORY SIGNAGE PER THE *MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES*. ALL SIGNS MUST BE INSTALLED ON VDOT STANDARD STP-1 SIGN POSTS.
33. INSTALLATION, MAINTENANCE AND OPERATION OF STREET LIGHTING SHALL BE PROVIDED BY AND AT THE SOLE EXPENSE OF OTHERS. VDOT WILL ALLOW LIGHTING WITHIN THE RIGHT OF WAY BY LAND USE PERMIT (LUP) ONLY. LIGHTING ON CURB SECTIONS SHALL BE PLACED BEHIND THE CURB AND PREFERABLY BEHIND THE SIDEWALK. FOR SHOULDER SECTIONS, THE POLE SHALL BE PLACED A MINIMUM OF 10' FROM EDGE OF PAVEMENT AND BEHIND THE DITCH LINE. ALL LIGHTING PROPOSED WITHIN THE RIGHT OF WAY MUST BE DESIGNED IN ACCORDANCE WITH THE *AASHTO GUIDE FOR ROADWAY LIGHTING* AND SHALL MEET THE CURRENT ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) STANDARDS.
34. TRAFFIC SIGNALS REQUIRE AN INDIVIDUAL LAND USE PERMIT. THE APPLICANT SHALL BE RESPONSIBLE FOR THE DESIGN COSTS OF ANY TRAFFIC SIGNAL INSTALLATION OR MODIFICATION OF EXISTING SIGNALS. DESIGN PLANS MUST BE PREPARED AND SUBMITTED TO VDOT BY A LICENSED PROFESSIONAL ENGINEER FOR REVIEW AND APPROVAL. THIS INCLUDES THE FOUNDATION DESIGN AND ANY EQUIPMENT ASSOCIATED WITH THE COMPLETED TRAFFIC SIGNAL. ALL EQUIPMENT MUST BE APPROVED BY VDOT. SHOP DRAWINGS MUST BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATING ANY SIGNAL STRUCTURAL COMPONENTS.
35. SOIL STABILIZATION IS REQUIRED WITHIN 7 DAYS FOR ALL AREAS WHERE CLEARING, GRADING, EXCAVATION OR OTHER LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WHERE LAND DISTURBANCE ACTIVITIES HAVE BEEN TEMPORARILY SUSPENDED FOR AN ANTICIPATED DURATION OF GREATER THAN 7 DAYS, OR UPON COMPLETION OF GRADING OPERATIONS FOR A SPECIFIED AREA. SOIL STABILIZATION SHALL BEGIN AS SOON AS PRACTICABLE, BUT NOT LATER THAN THE SEVEN DAYS FOLLOWING THE DAY WHEN LAND DISTURBING ACTIVITIES TEMPORARILY OR PERMANENTLY CEASED.
36. NO STRUCTURE SHALL BE CONSTRUCTED ON STATE MAINTAINED RIGHT OF WAYS, OR ON RIGHT OF WAYS INTENDED TO BE MAINTAINED BY VDOT UNLESS SAID STRUCTURES ARE SHOWN ON CONSTRUCTION PLANS APPROVED BY VDOT OR SUCH STRUCTURES ARE COVERED BY A VDOT LUP (OR BY A LETTER OF INTENT FROM THE RESIDENT ADMINISTRATOR/RESIDENT ENGINEER TO ISSUE SAID PERMIT AT THE TIME OF STATE ACCEPTANCE).

COMMONWEALTH OF VIRGINIA
KEVIN E. FLYNN
Lic. No. 53836
5/31/24
PROFESSIONAL ENGINEER
63216-SITE
NOT FOR CONSTRUCTION

THIS DRAWING PREPARED AT THE
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| REVISION DESCRIPTION | DATE |
|---|---|
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DATE: 05/31/2024
DRAWN BY: B. PERDUE
DESIGNED BY: K. FLYNN
CHECKED BY: K. FLYNN
SCALE: N/A

TIMMONS GROUP

UVA COMMUNITY CREDIT UNION
ALBEMARLE COUNTY, VA
NOTES & DETAILS

JOB NO.: 63216
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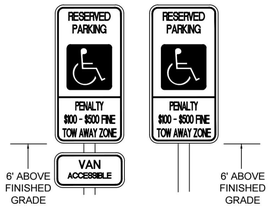
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## VDOT DETAILS LEGEND

| STANDARD | TITLE | PAGE |
|---|---|---|
| DI-2 | STANDARD CURB DROP INLET | 104.03 |
| DI-3A, 3B, 3C | STANDARD CURB DROP INLET (12" TO 30" PIPE: MAXIMUM DEPTH (H) = 8') | 104.09 |
| | DIMENSIONS, NOTES, AND QUANTITIES | 104.10 |
| MH-1 | MANHOLE FOR 12" TO 48" PIPE CULVERT | 106.01 |
| | STANDARD MANHOLE FRAME AND COVER | 106.02 |
| | STANDARD MANHOLE FRAME AND COVER | 106.04 |
| IS-1 | STANDARD METHOD OF SHAPING MANHOLE & INLET INVERTS | 106.08 |
| PB-1 | INSTALL. OF PIPE CULVERTS AND STORM SEWERS CIR. PIPE BEDDING AND BACKFILL - METHOD "A" | 107.01 |
| CG-2 | STANDARD 6" CURB | 201.01 |
| CG-6 | COMBINATION 6" CURB AND GUTTER | 201.03 |
| CG-9B | STANDARD ENTRANCE GUTTER | 203.02 |
| CG-12 | CG-12 DETECTABLE WARNING SURFACE (GENERAL NOTES) | 204.01 |
| | CG-12 DETECTABLE WARNING SURFACE (TYPE A, PERPENDICULAR APPLICATION) | 204.02 |
| | CG-12 DETECTABLE WARNING SURFACE (TYPE B, PARALLEL APPLICATION) | 204.03 |
| | CG-12 DETECTABLE WARNING SURFACE (TYPE C, PARALLEL & PERPENDICULAR APPLICATION) | 204.04 |
| STP-1 | SQUARE TUBE SIGN POST | 1321.12 |
| | SQUARE TUBE SIGN POST - FOUNDATION TYPE D AND E DETAILS | 1321.17 |
| GR-11 | TRAILING END TERMINAL TREATMENT | 1340.19 |

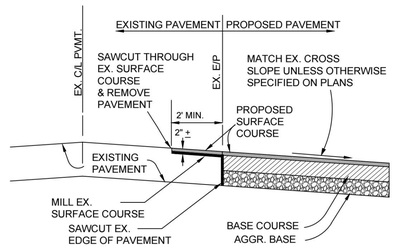
NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO REFERENCE CURRENT DETAILS IN THE VDOT ROAD & BRIDGE STANDARDS.

VA. SIGN FOR THE DISABLED ON 0.80 GAUGE ALUMINUM. COLORS: GREEN BORDER & LEGEND, BLUE SYMBOL FOR ACCESSIBILITY, WHITE BACKGROUND.



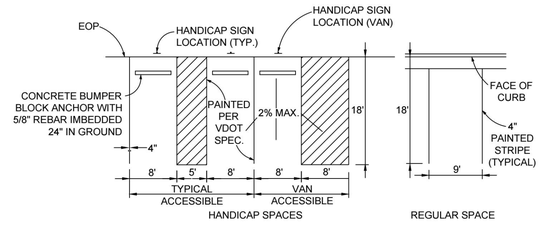

SPACES SHALL BE IDENTIFIED BY ABOVE GRADE SIGNS AS RESERVED FOR PHYSICALLY DISABLED PERSONS. PROVIDE ONE (1) R-7-8 SIGN AT EACH PARKING SPACE INDICATED ON SITE PLAN. SIGN SHALL BE ALUMINUM (PAINTED WHITE) WITH GREEN LETTERS AND INTERNATIONAL WHEELCHAIR SYMBOL. SIGN SHALL BE PLACED ON STEEL POST 1-1/2" O PAINTED BLACK SET IN MIN. 2' OF CONCRETE.

### ADA PARKING SIGNS
No Scale

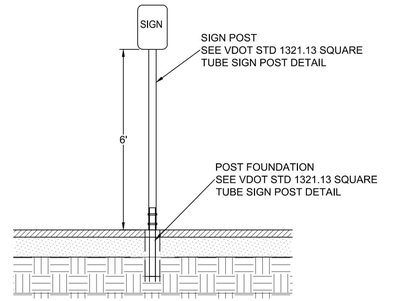



NOTE: PROPOSED PAVEMENT MUST TIE IN WITH EXISTING PAVEMENT

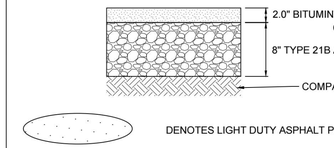
### PAVEMENT REPLACEMENT JOINT DETAIL
No Scale



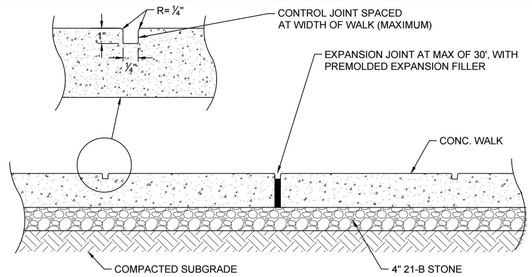

### TYPICAL PARKING SPACE DETAILS
No Scale



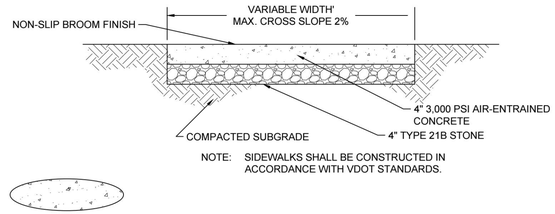

### SIGN AND POST DETAIL
No Scale




### LIGHT DUTY ASPHALT PAVEMENT SECTION
No Scale

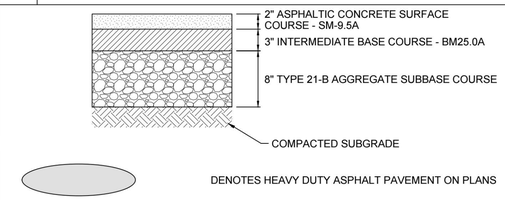



### CONCRETE SIDEWALK JOINT DETAIL
No Scale

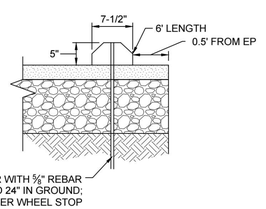



NOTE: SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VDOT STANDARDS.

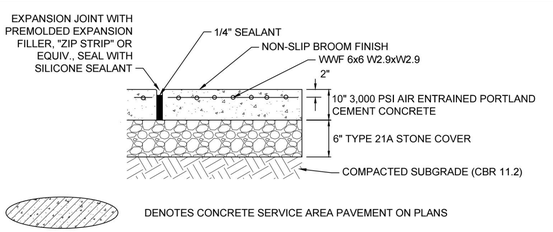
### CONCRETE SIDEWALK PAVEMENT SECTION
No Scale




### HEAVY DUTY ASPHALT PAVEMENT SECTION
No Scale




### PRECAST CONCRETE WHEEL STOP
No Scale




### HEAVY DUTY CONCRETE SECTION
No Scale

County of Albemarle
COMMUNITY DEVELOPMENT DEPARTMENT

401 McIntire Road, North Wing
Charlottesville, VA 22902-4579
Telephone: 434-296-5832
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**Construction Record Drawings (As-built) and Required Documents for VSMP**

The following is a list of documents and information required on construction record drawings for stormwater facilities (reference Water Protection Ordinance 17-422). *It is preferable that the construction record drawing be prepared by someone other than the designer. Please do not provide design drawings as construction record drawings.*

**Fee $353.60** (fee includes the 4% Technology Fee).

**Record (as-built) drawing requirements:**

1) A signed and dated professional seal of the preparing engineer or surveyor.
2) The name and address of the firm and individual preparing the drawings on the title sheet.
3) Include "as-built drawing" or "record drawing" on the title sheet.
4) Show the constructed location of all items associated with each facility, and the inspection records to verify proper dimensions, materials and installation. The items include, but are not limited to the following:
   a) **Updated Location** with geo-coordinates (northing/easting) of all facilities.
   b) **Verified Drainage Area maps** for the drainage area treated, and for drainage to the facilities.
   c) **Current physical and topographic survey** for all earthen structures. Ponds should include a survey of the pond bottom. Surveys should verify pond volumes are per design. Corrections may be required for deviations from the design.
   d) **Plants, location and type.**
   e) **Plans and profiles for all culverts, Pipes, Risers, Weirs and Drainage Structures** – Display the installed type of drainage structures, culvert/pipe size, weirs, materials, inlets or end treatment(s), inlet and outlet protection, alignment and invert elevations compared to design.
   f) **Ditch Lines** – Display the constructed location of all ditch lines and channels, including typical sections and linings.
   g) **Guardrail, fences or other safety provisions** – Display the constructed location of all safety provisions; fences, guardrail, including the type, length and applied end treatments, compared to design.
   h) **Access roads** – show location of access roads, surface treatment, drainage, etc, as applicable.
   i) **Easements** – Show all platted easements with deed book references labeled. Facilities and drainage must be within platted easements. Provide copies of recorded documents.

**Additional Documentation Required with the As-built Submittal:**

5) **Material layers** – biofilter media, stone layers, sand layers, keyways and cores must be verified as to material types and depths. Provide inspection reports, boring or test pit reports and materials certifications. Biofilter media must be an approved state mix.
6) **Inspection Records** and photographs for pipe trenches and bedding, including underdrains and filter fabric.
7) **Video Pipe Inspection** for any pipes which are not viewable without the need to enter a confined space.
8) **Computations** – For significant deviations from design, provide sealed computations verifying that the as-built condition is equivalent or exceeds design requirements.
9) **Compaction reports** are required verifying fill compaction in dams.
10) **Manufacturer(s) certification(s)** for proprietary BMP's certifying proper installation and functioning.

Date: 11/30/2022

COMMONWEALTH OF VIRGINIA
KEVIN B. FLYNN
Lic. No. 53836
PROFESSIONAL ENGINEER
5/31/24
63216-SITE
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REVISION DESCRIPTION

DATE

DATE
05/31/2024
DRAWN BY
B. PERDUE
DESIGNED BY
K. FLYNN
CHECKED BY
K. FLYNN
SCALE
N/A

TIMMONS GROUP

UVA COMMUNITY CREDIT UNION
ALBEMARLE COUNTY, VA
NOTES & DETAILS

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C1.01


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## SURVEY NOTES:

1. PROPERTY & ZONING INFORMATION:

| OWNER | COUNTY TAX MAP PARCEL | RECORD INSTRUMENT | ADDRESS |
|---|---|---|---|
| CHRISTIAN AID MISSION | 76-55 | D.B. 1642, PG. 230 | 1201 5TH ST. EXT. |

CURRENT ZONING: HIGHWAY COMMERCIAL (HC)

FROM ALBEMARLE COUNTY CODE, CHAPTER 18

SECTION 24.3: MINIMUM FRONTAGE = 150 FEET
SECTION 21.4: HEIGHT REGULATION = MAXIMUM 65 FEET
SECTION 21.7: SETBACK FROM STREET = 10 FEET
SETBACK FROM SIDE AND REAR = 50 FEET

2. THE SURVEY SHOWN HEREON IS BASED ON FIELD SURVEY BY TIMMONS GROUP COMPLETED ON THE FOLLOWING DATES: AUGUST 11-23, 2021 AND DECEMBER 13-14, 2022.

3. THE PROPERTY BOUNDARY INFORMATION SHOWN HEREON IS BASED ON A SURVEY TITLED, "ALTA/NSPS LAND TITLE SURVEY OF THE LANDS OF CHRISTIAN AID MISSION", DATED SEPTEMBER 10, 2021 AND PREPARED BY THIS FIRM. BEARINGS AND DISTANCES ARE SHOWN AS MEASURED.

4. THE LIMITS OF THE CURRENT TOPOGRAPHIC SURVEY ARE NOTED HEREON. ADDITIONAL PLANIMETRIC DATA LOCATED BEYOND THE LIMITS OF THE CURRENT SURVEY IS SOURCED FROM THE ABOVE-REFERENCED ALTA/NSPS SURVEY PREPARED BY THIS FIRM AND IS SHOWN FOR REFERENCE PURPOSES.

5. HORIZONTAL DATUM IS BASED ON NAD83 (NA2011), VIRGINIA STATE GRID, SOUTH ZONE, AND VERTICAL DATUM IS BASED ON NAVD88, AS ESTABLISHED THROUGH LEICA SmartNET GPS OBSERVATIONS ON AUGUST 11, 2021.

6. BASED ON FEMA FLOOD INSURANCE RATE MAPS: (FIRM), MAP NO. 51003C0269D EFFECTIVE DATE FEBRUARY 4, 2005, PORTIONS OF THE PROPERTY LIE IN A FLOODWAY AREA IN ZONE AE, SPECIAL FLOOD HAZARD AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD WITH BASE FLOOD ELEVATIONS DETERMINED WHERE THE FLOODWAY AND FLOODPLAIN MUST BE KEPT FREE OF ENCROACHMENT; ZONE A, SPECIAL FLOOD HAZARD AREA SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD WITH NO BASE FLOOD ELEVATIONS DETERMINED; SHADED ZONE X, AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD; AND ZONE X, AREAS OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

7. THIS SURVEY WAS PREPARED WITH THE BENEFIT OF TITLE COMMITMENT PREPARED BY CHICAGO TITLE INSURANCE COMPANY, COMMITMENT NUMBER 272210261 AND DATE OF JULY 01, 2021 AT 8:00 AM. EASEMENTS EXCEPTED FROM SAID TITLE COMMITMENT ARE REFERENCED HEREON. EASEMENTS RECORDED SUBSEQUENT TO SAID DATE MAY NOT BE REFLECTED HEREON.

8. MISS UTILITY TICKET INITIATED; TICKET NO. A121700921. NO UNDERGROUND UTILITY INVESTIGATION BEYOND INFORMATION PROVIDED VIA MISS UTILITY HAS BEEN CONDUCTED BY THIS FIRM.

9. THE SUBJECT PROPERTY LIES WITHIN THE STATE DAM BREAK INUNDATION ZONE.

10. THE PORTION OF THE SUBJECT PROPERTY ALONG MOORES CREEK IS SUBJECT TO A WATER PROTECTION ORDINANCE BUFFER.

11. THE SUBJECT PROPERTY LIES WITHIN THE MOORES CREEK WATERSHED.

12. THE SUBJECT PROPERTY IS ADJACENT TO A ZONING ENTRANCE CORRIDOR ALONG ROUTE 631.

13. THE SUBJECT PROPERTY IS WITHIN AN AIRPORT IMPACT AREA.

14. THE SUBJECT PROPERTY IS SUBJECT TO AN ENTRANCE CORRIDOR OVERLAY.

15. NO ZONING REPORT OR LETTER WAS PROVIDED BY THE CLIENT. THE ZONING INFORMATION SHOWN HEREON IS DERIVED FROM ALBEMARLE COUNTY GIS AND IS NOT GUARANTEED CORRECT.

THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF JOSEPH C. MEDLEY FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE ORIGINAL DATA WAS OBTAINED ON THE FOLLOWING DATES: AUGUST 11-23, 2021 AND DECEMBER 13-14, 2022. THIS BASE-MAP AND DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

## LEGEND

- MONUMENT FOUND
- IRON ROD FOUND
- IRON ROD SET
- CALCULATED POINT
- SIGN
- FLAGPOLE
- AIR CONDITIONER
- HANDICAP PARKING
- DECIDUOUS TREE
- CONIFEROUS TREE
- STORM MANHOLE
- STORM GRATE
- FLARED END SECTION
- SANITARY MANHOLE
- CLEANOUT
- GROUND LIGHT
- LIGHT POLE
- ELECTRIC BOX
- TELECOMM MANHOLE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- WELL
- TRAFFIC SIGNAL POLE
- TRAFFIC SIGNAL BOX
- SURVEY BENCHMARK

- EDGE OF PAVEMENT
- FENCE LINE
- GUARDRAIL
- DITCH
- STORM LINE
- OVERHEAD POWER LINE
- UNDERGROUND POWER LINE
- UNDERGROUND TELECOMM LINE
- UNDERGROUND WATER LINE
- FEMA FLOOD ZONE LINE

| | |
|---|---|
| CONC. | CONCRETE |
| DEC. | DECIDUOUS TREE |
| C&G | CURB & GUTTER |
| ESMT. | EASEMENT |
| D.B. | DEED BOOK |
| PG. | PAGE |
| IRF | IRON ROD FOUND |
| MONF | MONUMENT FOUND |
| IRS | IRON ROD SET |
| SW | SIDEWALK |

COMMONWEALTH OF VIRGINIA
KEVIN B. FLYNN
Lic. No. 53836
PROFESSIONAL ENGINEER
5/31/24
NOT FOR CONSTRUCTION
63216-SITE

THIS DRAWING PREPARED AT THE
**CHARLOTTESVILLE OFFICE**
608 Preston Avenue, Suite 200 | Charlottesville, VA 22903
TEL 434.295.5624 FAX 434.295.8317 www.timmons.com

REVISION DESCRIPTION

DATE

DATE 05/31/2024
DRAWN BY B. PERDUE
DESIGNED BY K. FLYNN
CHECKED BY K. FLYNN
SCALE N/A

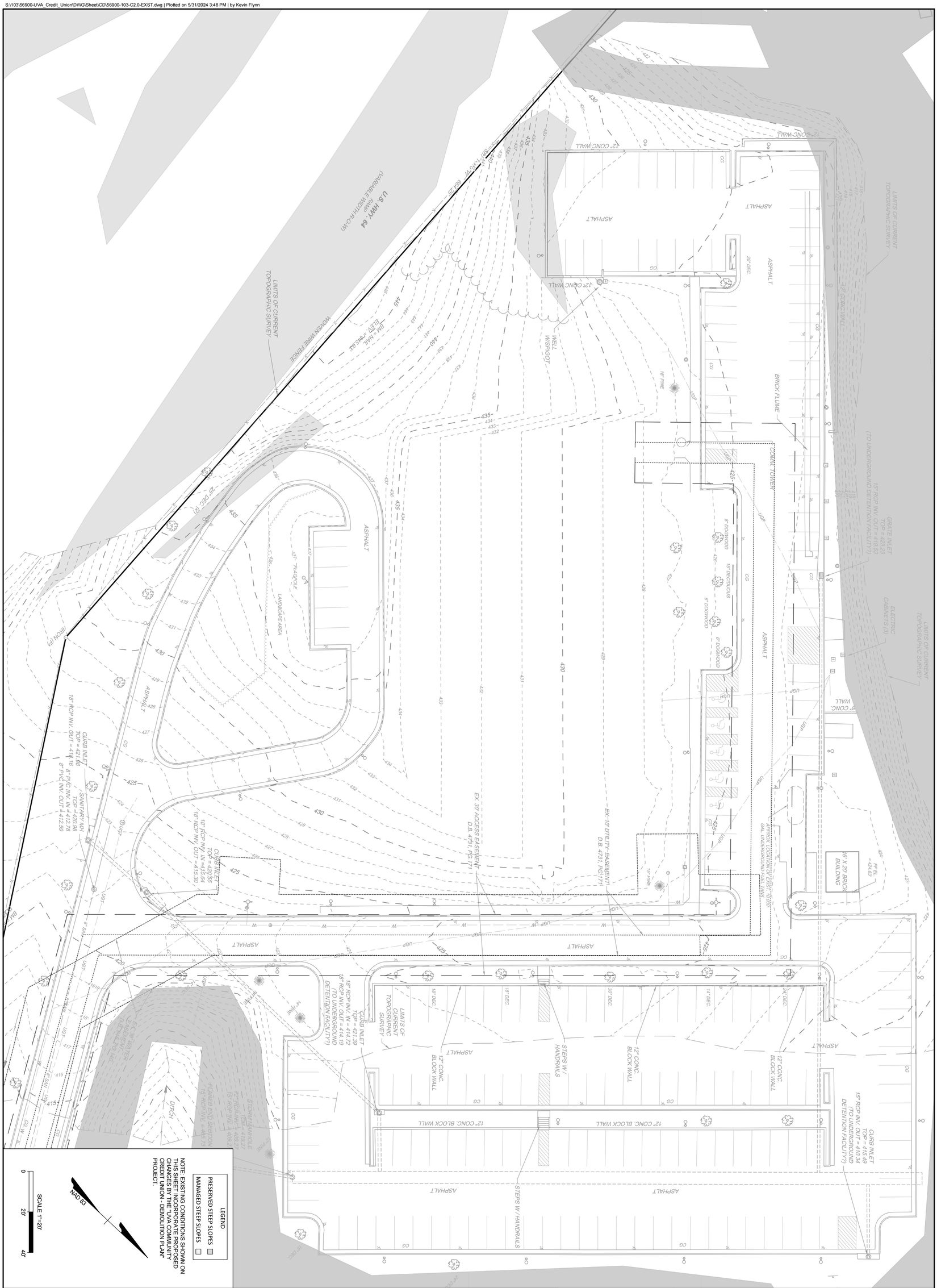
TIMMONS GROUP

UVA COMMUNITY CREDIT UNION
ALBEMARLE COUNTY, VA
SURVEY NOTES

JOB NO. 63216
SHEET NO. C2.00

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NOT FOR CONSTRUCTION
COMMONWEALTH OF VIRGINIA
KEVIN M. FLYNN
LICENSED
No. 043088
PROFESSIONAL ENGINEER

| | |
|---|---|
| SHEET NO. | C2.01 |
| JOB NO. | 63216 |
| PROJECT | UVA COMMUNITY CREDIT UNION |
| LOCATION | ALBEMARLE COUNTY, VA |
| TITLE | EXISTING CONDITIONS |
| SCALE | 1" = 20' |
| CHECKED BY | K. FLYNN |
| DESIGNED BY | K. FLYNN |
| DRAWN BY | B. PERDUE |
| DATE | 05/31/2024 |

| DATE | REVISION DESCRIPTION |
|---|---|
| | |

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LIMITS OF CURRENT TOPOGRAPHIC SURVEY

ERADICATE EXISTING PARKING STRIPING

REMOVE
*GRATE INLET*
*TOP = 423.23*
*15" RCP INV. OUT = 419.53*
*(TO UNDERGROUND DETENTION FACILITY?)*

ELECTRIC CABINETS (3)

REMOVE SECTION OF STORM PIPE

LIGHT POLE TO BE RELOCATED. REFER TO LANDSCAPE PLAN (TYP)

*16' X 20' BRICK BUILDING*
FF EL. 424.63

CURB INLET
TOP = 415.49
15" RCP INV. OUT = 410.34
(TO UNDERGROUND DETENTION FACILITY?)

12" CONC WALL

6" CONC. WALL

REMOVE *ASPHALT*

REMOVE *BRICK FLUME*

REMOVE *COMM. TOWER*

REMOVE *ASPHALT*

APPROX. LOCATION OF EXIST. 10,000 GAL. UNDERGROUND FUEL TANK TO REMAIN

ERADICATE EXISTING PARKING STRIPING

20" DEC.

8" DOGWOOD

15" DECIDUOUS

6" DOGWOOD

6" DOGWOOD

REMOVE
*18" PINE*

REMOVE
*15" PINE*

24" DEC.

12" CONC. BLOCK WALL

14" DEC.

12" CONC. BLOCK WALL

REMOVE, CURB AND GUTTER AND ASPHALT AS NEEDED TO INSTALL UGP LINE

EX. 10' UTILITY EASEMENT D.B. 4731, PG.171

STEPS W / HANDRAILS

WELL W/SPIGOT

EX. 30' ACCESS EASEMENT D.B. 4731, PG.171

18" DEC.

12" CONC. BLOCK WALL

STEPS W / HANDRAILS

LIMITS OF CURRENT TOPOGRAPHIC SURVEY

CURB INLET
TOP = 421.39
18" RCP INV. IN = 414.72
18" RCP INV. OUT = 414.19
(TO UNDERGROUND DETENTION FACILITY?)

U.S. HWY. 64
RAMP
(VARIABLE WIDTH R.O.W)

BM = NAIL
ELEV. = 445.63'

WOVEN WIRE FENCE

REMOVE
*ASPHALT*

FLAG POLE TO BE RESET WITH PROPOSED GRADES

LIGHT POLE TO BE RELOCATED. REFER TO LANDSCAPE PLAN (TYP)

FLAGPOLE

REMOVE
*LANDSCAPE AREA*

LIGHT POLE TO BE RELOCATED. REFER TO LANDSCAPE PLAN (TYP)

14" PINE

12" PINE

14" PINE

STORM MANHOLE
TOP = 419.27
12" RCP INV. = 409.27
15" RCP INV. = 409.27

FLARED END SECTION
15" RCP INV. = 485.73

25" DEC. (D)

CURB INLET
TOP = 420.55
18" RCP INV. IN = 415.64
18" RCP INV. OUT = 415.30

DITCH

CURB INLET
TOP = 421.59
18" RCP INV. OUT = 418.16

SANITARY MH
TOP = 420.98
8" PVC INV. IN = 412.78
8" PVC INV. OUT = 412.59

IRON (FD)

REMOVE ASPHALT

NAD 83

SCALE 1"=20'
0 20' 40'

DEMOLITION LEGEND

- REMOVE ASPHALT
- REMOVE CONCRETE
- REMOVE BRICK
- SAW CUT LINE

COMMONWEALTH OF VIRGINIA
KEVIN B. FLYNN
Lic. No. 53836
PROFESSIONAL ENGINEER
5/31/24
NOT FOR CONSTRUCTION

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REVISION DESCRIPTION

DATE

DATE
05/31/2024

DRAWN BY
B. PERDUE

DESIGNED BY
K. FLYNN

CHECKED BY
K. FLYNN

SCALE
1" = 20'

TIMMONS GROUP

UVA COMMUNITY CREDIT UNION
ALBEMARLE COUNTY, VA
DEMOLITION PLAN

JOB NO.
63216

SHEET NO.
C2.02

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## EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION
THIS PROJECT INCLUDES THE CONSTRUCTION OF A NEW BUILDING, RENOVATIONS TO THE PARKING LOT AND ENTRANCE LOOP, AND OTHER ASSOCIATED SITE WORK. THE LIMITS OF DISTURBANCE IS 2.07 ACRES.

ADJACENT PROPERTY
THESE IMPROVEMENTS ARE BEING MADE WITHIN THE PROPERTY BOUNDARY. THE PROPERTY IS BOUNDED BY MOORE'S CREEK TO THE NORTH AND WEST WITH RESIDENTIAL PROPERTIES BEYOND, THE I-64 ON-RAMP TO THE SOUTH, AND 5TH STREET EXTENDED TO THE EAST.

EXISTING SITE CONDITIONS
THE SITE IS CURRENTLY OCCUPIED BY AN EXISTING OFFICE AND ASSOCIATED INFRASTRUCTURE.

OFF-SITE AREAS
NO OFF-SITE AREAS WILL BE DISTURBED AS A PART OF THIS PROJECT.

CRITICAL EROSION AREAS
NO CRITICAL EROSION AREAS ARE TO BE DISTURBED AS PART OF THIS PROJECT.

EROSION AND SEDIMENT CONTROL MEASURES
UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE CURRENT ADDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. THE MINIMUM STANDARDS OF THE VESCH SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE BY LOCAL AUTHORITIES HAVING JURISDICTION.

EROSION AND SEDIMENT CONTROL MAINTENANCE
ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN ACCORDANCE WITH VESCH AND THE CONSTRUCTION SEQUENCE, INCLUDING THE INSPECTION OF ALL MEASURES AFTER ALL RAIN EVENTS.

STRUCTURAL PRACTICES:
1. 3.02 - TEMPORARY CONSTRUCTION ENTRANCE - A TEMPORARY CONSTRUCTION ENTRANCE SHALL BE PROVIDED AT THE LOCATION INDICATED ON THE PLANS. IT IS IMPERATIVE THAT THIS MEASURE BE MAINTAINED THROUGHOUT CONSTRUCTION. ITS PURPOSE IS TO REDUCE THE AMOUNT OF MUD TRANSPORTED ONTO PAVED PUBLIC ROADS BY MOTOR VEHICLES OR RUNOFF.
2. 3.05 - SILT FENCE BARRIER - SILT FENCE SEDIMENT BARRIERS SHALL BE INSTALLED DOWNSLOPE OF AREAS WITH MINIMAL GRADES TO FILTER SETTLEMENT LADEN RUNOFF FROM SHEET FLOW AS INDICATED. ITS PURPOSE IS TO PREVENT SEDIMENT FROM LEAVING THE SITE.
3. 3.07 - STORM DRAIN INLET PROTECTION - STONE FILTERS SHALL BE PLACED AT THE INLET OF ALL DRAINAGE STRUCTURES AS INDICATED ON PLANS. ITS PURPOSE IS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAINAGE SYSTEM PRIOR TO PERMANENT STABILIZATION.
4. 3.38 - TREE PROTECTION - PROTECTION OF DESIRABLE TRESS FROM MECHANICAL AND OTHER INJURY DURING LAND DISTURBING AND CONSTRUCTION ACTIVITY.
5. 3.39 - DUST CONTROL - DUST CONTROL IS TO BE USED THROUGH THE SITE IN AREAS SUBJECT TO SURFACE AND AIR MOVEMENT

VEGETATIVE PRACTICES:
1. 3.31 - TEMPORARY SEEDING - ALL DENUDED AREAS WHICH WILL BE LEFT DORMANT FOR MORE THAN 30 DAYS SHALL BE SEEDED WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING GRADING OF THOSE AREAS. SELECTION OF THE SEED MIXTURE SHALL DEPEND ON THE TIME OF YEAR IT IS APPLIED.
2. 3.32 - PERMANENT SEEDING - FOLLOWING GRADING ACTIVITIES, ESTABLISH PERENNIAL VEGETATIVE COVER BY PLANTING SEED TO REDUCE EROSION, STABILIZE DISTURBED AREAS, AND ENHANCE NATURAL BEAUTY.
3. 3.35 - MULCHING - APPLICATION OF PLANT RESIDUES OR OTHER SUITABLE MATERIALS TO THE SOIL SURFACE.

MANAGEMENT STRATEGIES
1. PROVIDE SEDIMENT TRAPPING MEASURES AS A FIRST STEP IN GRADING, SEED AND MULCH IMMEDIATELY FOLLOWING INSTALLATION.
2. PROVIDE TEMPORARY SEEDING OR OTHER STABILIZATION IMMEDIATELY AFTER GRADING.
3. ISOLATE TRENCHING FOR UTILITIES AND DRAINAGE FROM DOWNSTREAM CONVEYANCES IN ORDER TO MINIMIZE PERIMETER CONTROLS.
4. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED UNTIL THEY ARE NO LONGER REQUIRED TO COMPLY WITH THE CONTRACT DOCUMENTS OR STATE LAW.

PERMANENT STABILIZATION
ALL NON-PAVED AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISHED GRADING. SEEDING SHALL BE IN ACCORDANCE WITH STD. & SPEC. 3.32, PERMANENT SEEDING. SEED TYPE SHALL BE AS SPECIFIED FOR "MINIMUM CARE LAWNS" AND "GENERAL SLOPES" IN THE HANDBOOK FOR SLOPES LESS THAN 3:1. FOR SLOPES GREATER THAN 3:1, SEED TYPE SHALL BE AS SPECIFIED FOR "LOW MAINTENANCE SLOPES" IN TABLE 3.32-D OF THE HANDBOOK. FOR MULCH (STRAW OR FIBER) SHALL BE USED ON ALL SEEDED SURFACES. IN ALL SEEDING OPERATIONS SEED, FERTILIZER AND LIME SHALL BE APPLIED PRIOR TO MULCHING.

SEQUENCE OF INSTALLATION
PHASE I - SHEET C3.02
1. A PRE-CONSTRUCTION MEETING IS REQUIRED WITH ALBEMARLE COUNTY E&S INSPECTOR, CONTRACTOR, OWNER, AND ENGINEER. THIS MEETING SHALL TAKE PLACE AT THE COMMUNITY DEVELOPMENT OFFICE OR THROUGH TELECONFERENCE. CLEARING LIMITS MUST BE FLAGGED PRIOR TO THE MEETING WITH ONE (1) WEEK OF NOTICE.
2. INSTALL CONSTRUCTION ENTRANCES, SILT FENCE, TREE PROTECTION AND INLET PROTECTION.
3. AFTER ALL EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE, DEMOLITION AND SITE GRADING CAN BEING.
4. BEFORE REMOVING EXISTING PIPE 1 LOCATED ON THE NORTH SIDE OF THE BUILDING, INSTALL MANHOLE 500.
5. ROUGH GRADE PROJECT AREA. INSPECT PERIMETER MEASURES AS REQUIRED TO ENSURE SEDIMENT DOES NO LEAVE THE SITE. SEED ALL DENUDED AREAS PER VESCH STANDARDS. ADDITIONAL MEASURES MAY BE REQUIRED AT THE REQUEST OF THE COUNTY INSPECTOR.

PHASE II - SHEET C3.03
1. PHASE I PERIMETER MEASURES SHALL REMAIN IN PLACE UNTIL UPSTREAM AREAS ARE STABILIZED.
2. INSTALL INLET PROTECTION AS INLETS ARE INSTALLED AND BECOME ACTIVE.
3. FINE GRADE PROJECT AREA. APPLY PERMANENT SOIL STABILIZATION TO THESE AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS ACHIEVED.
4. APPLY PERMANENT SOIL STABILIZATION TO THESE AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS ACHIEVED. SILT FENCE MUST BE MAINTAINED THROUGH GRADING AND CONSTRUCTION.
5. ONCE CONSTRUCTION IS COMPLETE AND ALL CONTRIBUTING AREAS ARE STABILIZED, EROSION CONTROL MEASURES CAN BE REMOVED UPON APPROVAL FROM THE E&S INSPECTOR.

## 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. THE DEVELOPER SHALL RESERVE THE RIGHT TO INSTALL, MAINTAIN, REMOVE OR CONVERT TO PERMANENT STORMWATER MANAGEMENT FACILITIES WHERE APPLICABLE ALL EROSION CONTROL MEASURES REQUIRED BY THIS PLAN REGARDLESS OF THE SALE OF ANY LOT, UNIT, BUILDING OR OTHER PORTION OF THE PROPERTY.
17. 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.
18. 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 1000LBS/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.
19. 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 50% OF THE WET STORAGE VOLUME IS FILLED WITH SEDIMENT. ALL SEEDED AREAS SHALL BE RESEEDED 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.
20. 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.

## GENERAL EROSION AND SEDIMENT CONTROL NOTES:

ES-1: UNLESS OTHERWISE INDICATED, CONSTRUCT AND MAINTAIN ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS.

ES-2: THE CONTROLLING EROSION AND SEDIMENT CONTROL AUTHORITY WILL MAKE A CONTINUING REVIEW AND EVALUATION OF THE METHODS AND EFFECTIVENESS OF THE EROSION CONTROL PLAN.

ES-3: PLACE ALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO OR AS THE FIRST STEP IN CLEARING, GRADING, OR LAND DISTURBANCE.

ES-4: MAINTAIN A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN ON THE SITE AT ALL TIMES.

ES-5: PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFFSITE BORROW OR WASTE AREA), SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE ARCHITECT/ENGINEER AND THE CONTROLLING EROSION AND SEDIMENT CONTROL AUTHORITY FOR REVIEW AND ACCEPTANCE.

ES-6: PROVIDE ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RESPONSIBLE LAND DISTURBER. (MODIFIED NOTE)

ES-7: ALL DISTURBED AREAS SHALL DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND-DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT.

ES-8: DURING DEWATERING OPERATIONS, PUMP WATER INTO AN APPROVED FILTERING DEVICE.

ES-9: INSPECT ALL EROSION CONTROL MEASURES DAILY AND AFTER EACH RUNOFF- PRODUCING RAINFALL EVENT. MAKE ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES IMMEDIATELY.

**SOILS INFORMATION:**

21B - CULPEPPER FINE SANDY LOAM, 27 TO 7 PERCENT SLOPES. 40 TO 79 INCHES TO PARALITHIC AND LITHIC BEDROCK, WELL DRAINED, HYDROLOGIC SOIL GROUP: B

21C - CULPEPER FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES. 40 TO 79 INCHES TO PARALITHIC AND LITHIC BEDROCK, WELL DRAINED, HYDROLOGIC SOIL GROUP: B

22C3 - CULPEPER CLAY LOAM, 7 TO 15 PERCENT SLOPES, SEVERLY ERODED. 40 TO 79 INCHES TO PARALITHIC AND LITHIC BEDROCK, WELL DRAINED, HYDROLOGIC SOIL GROUP: B

## MINIMUM STANDARDS:

AN EROSION AND SEDIMENT CONTROL PROGRAM ADOPTED BY A DISTRICT OR LOCALITY MUST BE CONSISTENT WITH THE FOLLOWING CRITERIA, TECHNIQUES AND METHODS:

MS-1. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR.

MS-2. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.

MS-3. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.

MS-4. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.

MS-5. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.

MS-6. SEDIMENT TRAPS AND SEDIMENT BASINS SHALL BE DESIGNED AND CONSTRUCTED BASED UPON THE TOTAL DRAINAGE AREA TO BE SERVED BY THE TRAP OR BASIN.
A. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT TRAP SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA AND THE TRAP SHALL ONLY CONTROL DRAINAGE AREAS LESS THAN THREE ACRES.
B. SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COMPRISED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE ACRES SHALL BE CONTROLLED BY A SEDIMENT BASIN. THE MINIMUM STORAGE CAPACITY OF A SEDIMENT BASIN SHALL BE 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA. THE OUTFALL SYSTEM SHALL, AT A MINIMUM, MAINTAIN THE STRUCTURAL INTEGRITY OF THE BASIN DURING A 25-YEAR STORM OF 24-HOUR DURATION. RUNOFF COEFFICIENTS USED IN RUNOFF CALCULATIONS SHALL CORRESPOND TO A BARE EARTH CONDITION OR THOSE CONDITIONS EXPECTED TO EXIST WHILE THE SEDIMENT BASIN IS UTILIZED.

MS-7. CUT AND FILL SLOPES SHALL BE DESIGNED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. SLOPES THAT ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF PERMANENT STABILIZATION SHALL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.

MS-8. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE.

MS-9. WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.

MS-10. ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.

MS-11. BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.

MS-12. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIALS.

MS-13. WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD, A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NONERODIBLE MATERIAL SHALL BE PROVIDED.

MS-14. ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET.

MS-15. THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.

MS-16. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
D. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
E. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
F. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.

MS-17. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL DEVELOPMENT LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES.

MS-18. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM AUTHORITY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

MS-19. PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE STANDARDS AND CRITERIA LISTED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, CHAPTER 8 PAGES 20-24.

COMMONWEALTH OF VIRGINIA
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REGISTERED PROFESSIONAL ENGINEER
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DATE

DATE
05/31/2024

DRAWN BY
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DESIGNED BY
K. FLYNN

CHECKED BY
K. FLYNN

SCALE
N/A

TIMMONS GROUP

UVA COMMUNITY CREDIT UNION
ALBEMARLE COUNTY, VA

EROSION & SEDIMENT CONTROL NOTES

JOB NO.
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TYPICAL ORIENTATION OF VESCH TREATMENT - 1 SOIL (STABILIZATION BLANKET)

SHALLOW SLOPE

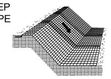


ON SHALLOW SLOPES, STRIPS NETTING PROTECTIVE COVERINGS MAY BE APPLIED ACROSS THE SLOPE.

WHERE THERE IS A BERM AT THE TOP OF THE SLOPE, BRING THE MATERIAL OVER THE BERM AND ANCHOR IT BEHIND THE BERM.




STEEP SLOPE

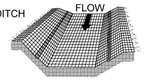


ON STEEP SLOPES, APPLY PROTECTIVE COVERING PARALLEL TO THE DIRECTION OF FLOW AND ANCHOR SECURELY.

BRING MATERIAL DOWN TO A LEVEL AREA BEFORE TERMINATING THE INSTALLATION. TURN THE END UNDER 4" AND STAPLE AT 12" INTERVALS.




DITCH




IN DITCHES, APPLY PROTECTIVE COVERING PARALLEL TO THE DIRECTION OF FLOW. USE CHECK SLOTS AS REQUIRED. AVOID JOINING MATERIAL IN THE CENTER OF THE DITCH IF AT ALL POSSIBLE.

BLANKET MATTING SHALL BE MADE OF BIODEGRADABLE MATERIALS AND HAVE A MINIMUM LIFESPAN OF 1 YEAR. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS GUIDELINES.

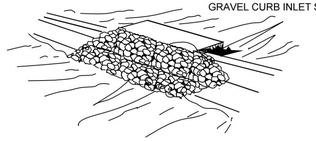
B/M

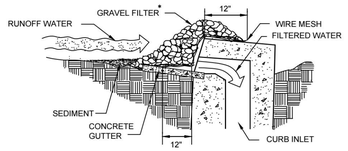
3.36-1

## SOIL STABILIZATION BLANKET (TREATMENT-1)

No Scale

GRAVEL CURB INLET SEDIMENT FILTER






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

SPECIFIC APPLICATION: THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

IP

3.07- 6

## STORMWATER INLET PROTECTION

No Scale

TABLE 3.31-B
ACCEPTABLE TEMPORARY SEEDING PLANT MATERIALS
"QUICK REFERENCE FOR ALL REGIONS"

| PLANTING DATES | SPECIES | RATE (LBS./ACRE) |
|---|---|---|
| SEPT. 1 - FEB. 15 | 50/50 MIX OF ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM) & CEREAL (WINTER) RYE (SECALE CEREALE) | 50-100 |
| FEB. 16 - APR. 30 | ANNUAL RYEGRASS (LOLIUM MULTI-FLORUM) | 60-100 |
| MAY 1 - AUG. 31 | GERMAN MILLET (SETARIA ITALICA) | 50 |

TS

## TEMPORARY SEEDING PLANT MATERIALS

No Scale

TABLE 3.32-D
SITE SPECIFIC SEEDING MIXTURES FOR PIEDMONT AREA

| | TOTAL LBS. PER ACRE |
|---|---|
| MINIMUM CARE LAWN | |
| COMMERCIAL OR RESIDENTIAL | 175-200 LBS. |
| KENTUCKY 31 OR TURF-TYPE TALL FESCUE | 90-100% |
| IMPROVED PERENNIAL RYEGRASS | 0-5% |
| KENTUCKY BLUEGRASS | 0-5% |
| GENERAL SLOPE (3:1 OR LESS) | |
| KENTUCKY 31 FESCUE | 128 LBS. |
| RED TOP GRASS | 2 LBS. |
| SEASONAL NURSE CROP * | 20 LBS. |
| | 150 LBS. |
| LOW-MAINTENANCE SLOPE (STEEPER THAN 3:1) | |
| KENTUCKY 31 FESCUE | 108 LBS. |
| RED TOP GRASS | 2 LBS. |
| SEASONAL NURSE CROP * | 20 LBS. |
| CROWNVETCH ** | 20 LBS. |
| | 150 LBS. |

* USE SEASONAL NURSE CROP IN ACCORDANCE WITH SEEDING DATES AS STATED BELOW:
FEBRUARY 16TH THROUGH APRIL..... ANNUAL RYE
MAY 1ST THROUGH AUGUST 15TH..... FOXTAIL MILLET
AUGUST 16TH THROUGH OCTOBER..... ANNUAL RYE
NOVEMBER THROUGH FEBRUARY 15TH..... WINTER RYE

** SUBSTITUTE SERICEA LESPEDEZA FOR CROWNVETCH EAST OF FARMVILLE, VA (MAY THROUGH SEPTEMBER USE HULLED SERICEA, ALL OTHER PERIODS, USE UNHULLED SERICEA). IF FLATPEA IS USED IN LIEU OF CROWNVETCH, INCREASE RATE TO 30 LBS./ACRE. ALL LEGUME SEED MUST BE PROPERLY INOCULATED. WEEPING LOVEGRASS MAY BE ADDED TO ANY SLOPE OR LOW-MAINTENANCE MIX DURING WARMER SEEDING PERIODS; ADD 10-20 LBS./ACRE IN MIXES.

PS

## PERMANENT SEEDING MIX FOR PIEDMONT AREA

No Scale



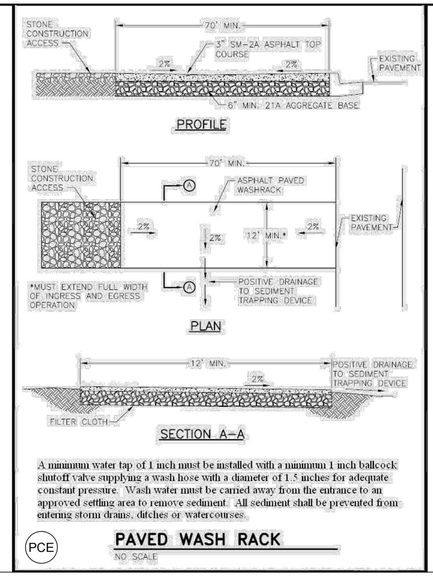
STANDARD ORANGE VINYL OR PLASTIC CONSTRUCTION FENCE ATTACHED TO POSTS (PRE-WEATHERED WOOD, GALVANIZED STEEL, IRON OR THICK PVC PLASTIC), AT LEAST 40" ABOVE FINISH GRADE WITH SPAN BETWEEN POSTS NO GREATER THAN 6' ON CENTER. EVERY NINTH POST SHALL CONTAIN A WARNING SIGN THAT CLEARLY IDENTIFIES THE FENCE AS A TREE PROTECTION FENCE.

TP

3.38

## TREE PROTECTION

No Scale

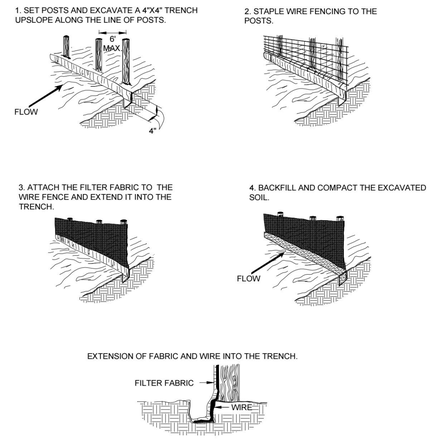



A minimum water tap of 1 inch must be installed with a minimum 1 inch ballcock shutoff valve supplying a wash hose with a diameter of 1.5 inches for adequate constant pressure. Wash water must be carried away from the entrance to an approved settling area to remove sediment. All sediment shall be prevented from entering storm drains, ditches or watercourses.

PCE

## PAVED WASH RACK

NO SCALE



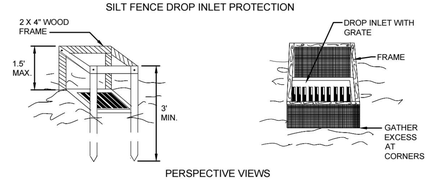

SSF

3.05-1

## SILT FENCE (WITH WIRE SUPPORT)

No Scale

SILT FENCE DROP INLET PROTECTION




SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

IP

3.07-1

## STORM DRAIN INLET PROTECTION

No Scale


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| REVISION DESCRIPTION | DATE |
|---|---|

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DESIGNED BY: K. FLYNN
CHECKED BY: K. FLYNN
SCALE: N/A

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EROSION & SEDIMENT CONTROL DETAILS

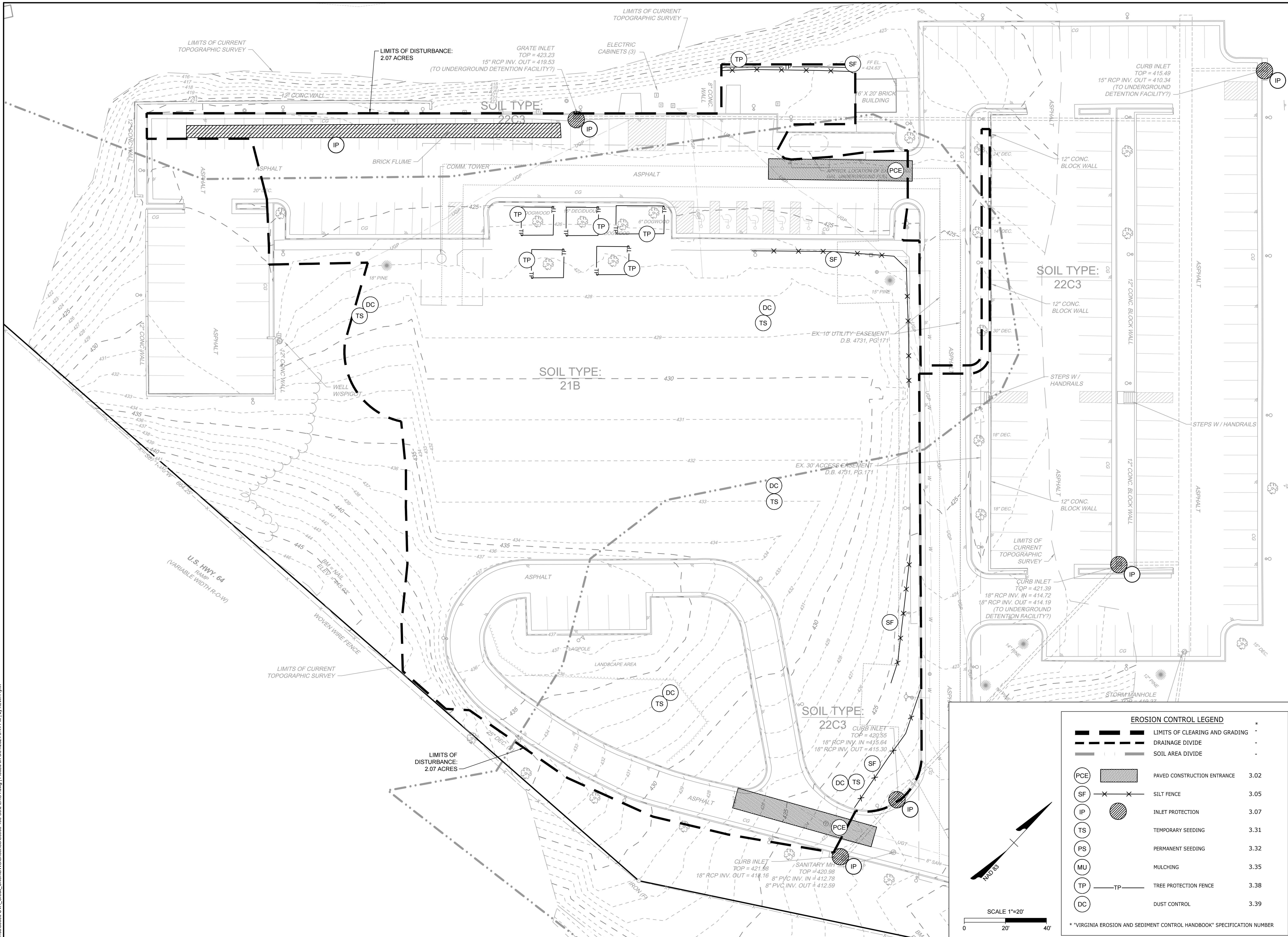
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## EROSION CONTROL LEGEND

| | | | * |
|---|---|---|---|
| | | LIMITS OF CLEARING AND GRADING | - |
| | | DRAINAGE DIVIDE | - |
| | | SOIL AREA DIVIDE | - |
| PCE | | PAVED CONSTRUCTION ENTRANCE | 3.02 |
| SF | | SILT FENCE | 3.05 |
| IP | | INLET PROTECTION | 3.07 |
| TS | | TEMPORARY SEEDING | 3.31 |
| PS | | PERMANENT SEEDING | 3.32 |
| MU | | MULCHING | 3.35 |
| TP | —TP— | TREE PROTECTION FENCE | 3.38 |
| DC | | DUST CONTROL | 3.39 |

* "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK" SPECIFICATION NUMBER

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| DRAWN BY | B. PERDUE |
| DESIGNED BY | K. FLYNN |
| CHECKED BY | K. FLYNN |
| SCALE | 1" = 20' |

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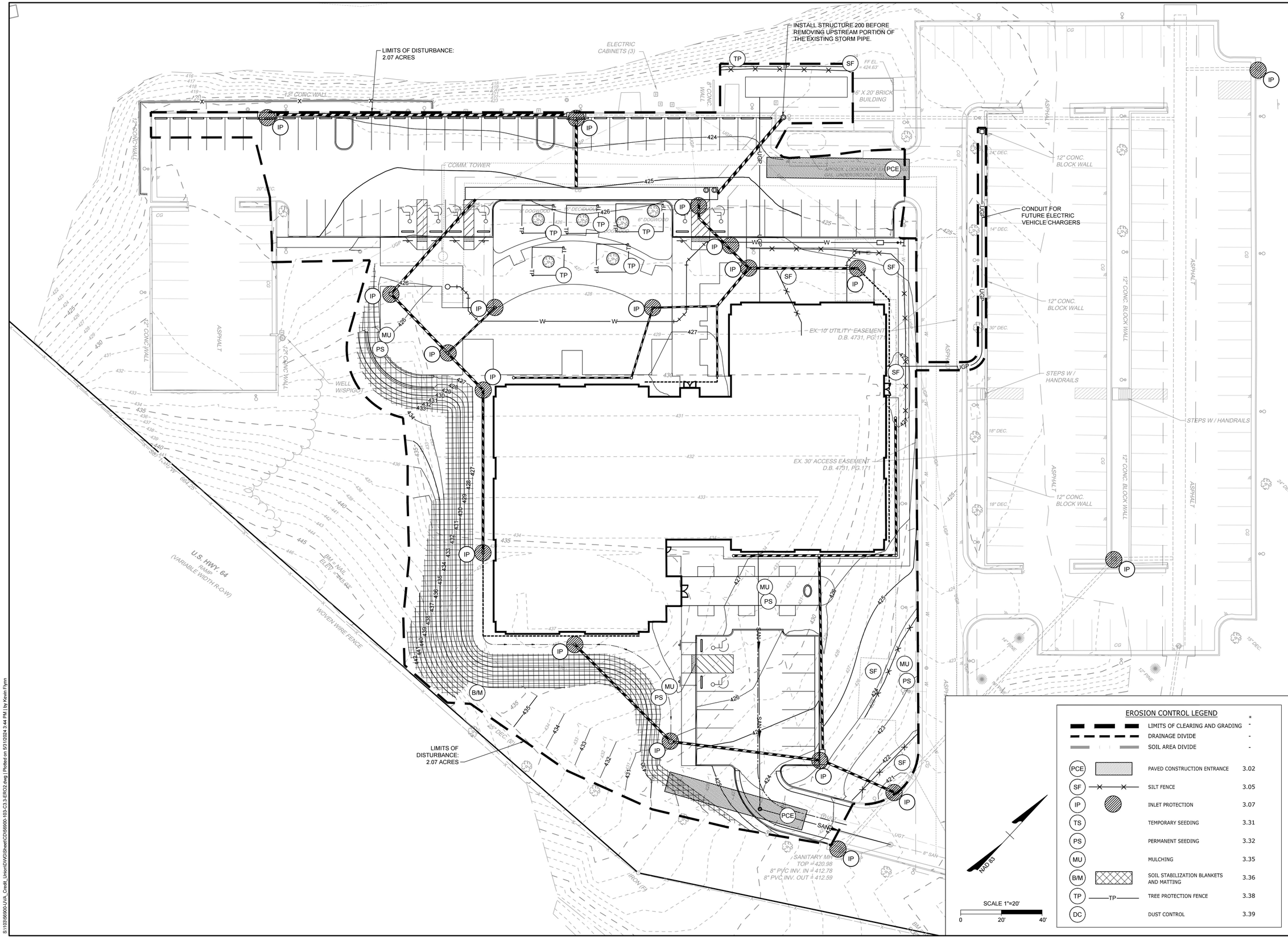
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## EROSION & SEDIMENT CONTROL - PHASE I

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## EROSION CONTROL LEGEND

| | | |
|---|---|---|
| | LIMITS OF CLEARING AND GRADING | - |
| | DRAINAGE DIVIDE | - |
| | SOIL AREA DIVIDE | - |
| PCE | PAVED CONSTRUCTION ENTRANCE | 3.02 |
| SF | SILT FENCE | 3.05 |
| IP | INLET PROTECTION | 3.07 |
| TS | TEMPORARY SEEDING | 3.31 |
| PS | PERMANENT SEEDING | 3.32 |
| MU | MULCHING | 3.35 |
| B/M | SOIL STABILIZATION BLANKETS AND MATTING | 3.36 |
| TP | TREE PROTECTION FENCE | 3.38 |
| DC | DUST CONTROL | 3.39 |

COMMONWEALTH OF VIRGINIA
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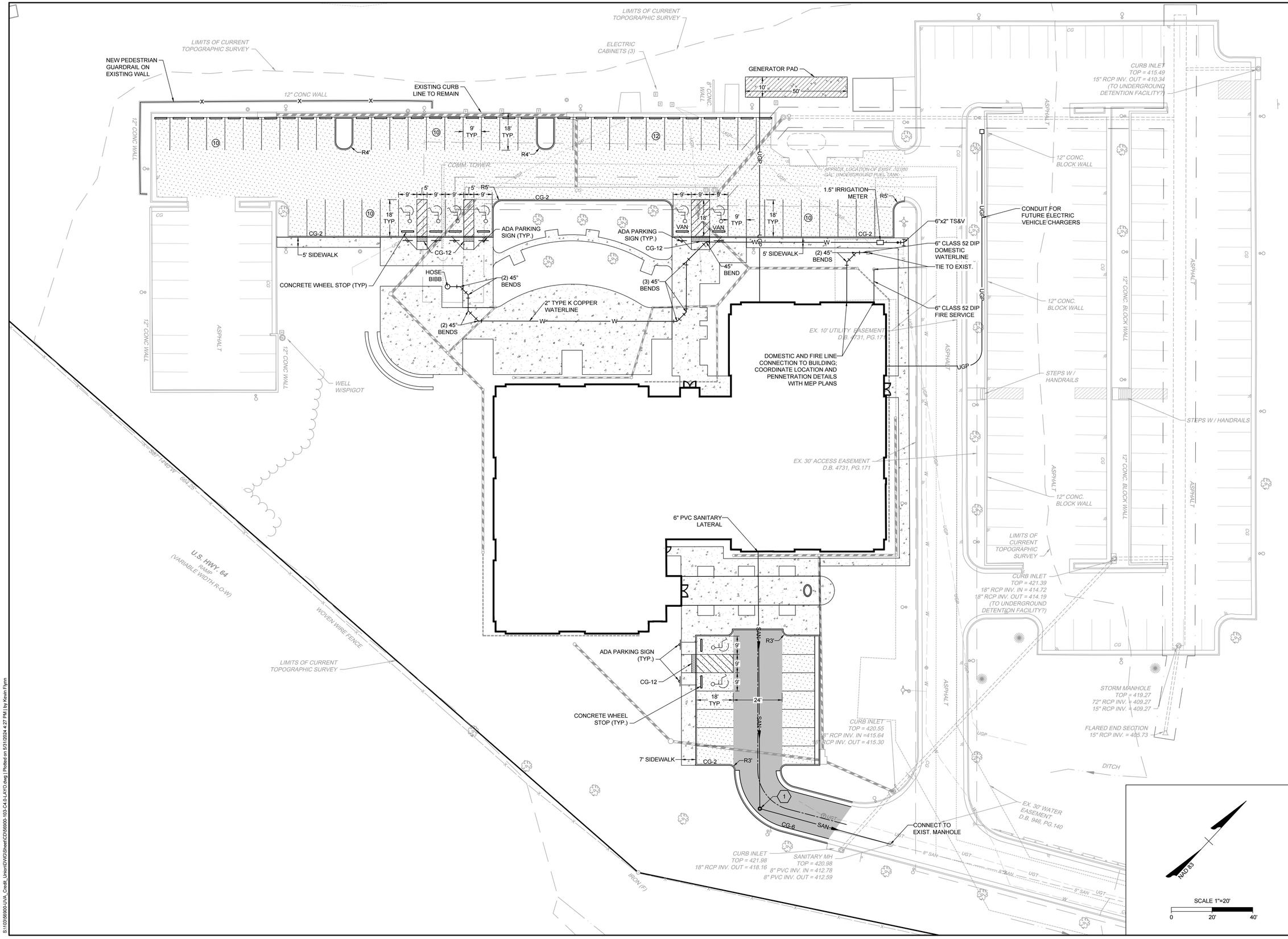
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EROSION & SEDIMENT CONTROL - PHASE II

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## LAYOUT & UTILITY PLAN

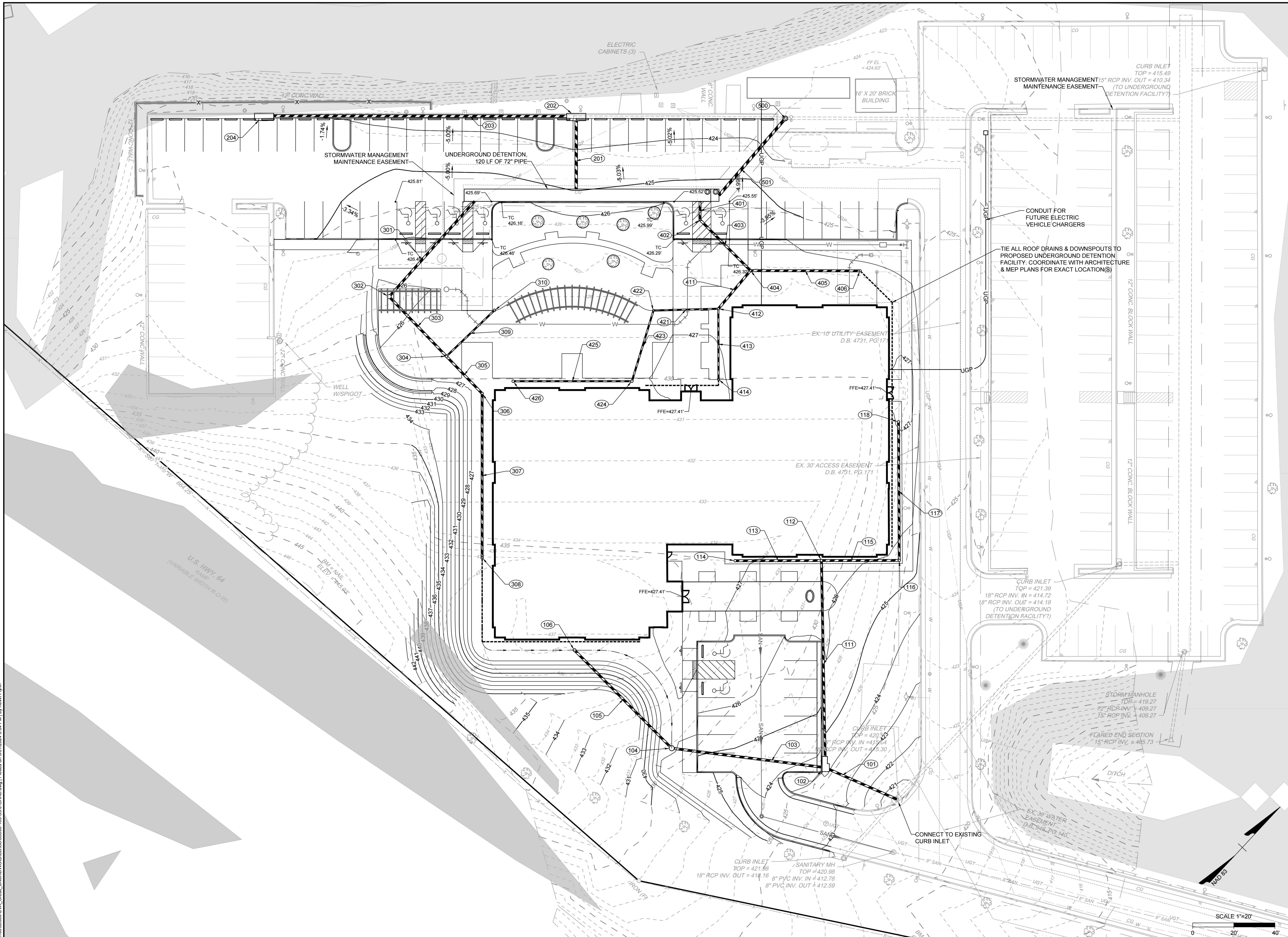
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COMMONWEALTH OF VIRGINIA
KEVIN R. FLYNN
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PROFESSIONAL ENGINEER
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| DESIGNED BY | K. FLYNN |
| CHECKED BY | K. FLYNN |
| SCALE | 1" = 20' |
| JOB NO. | 63216 |
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# TIMMONS GROUP

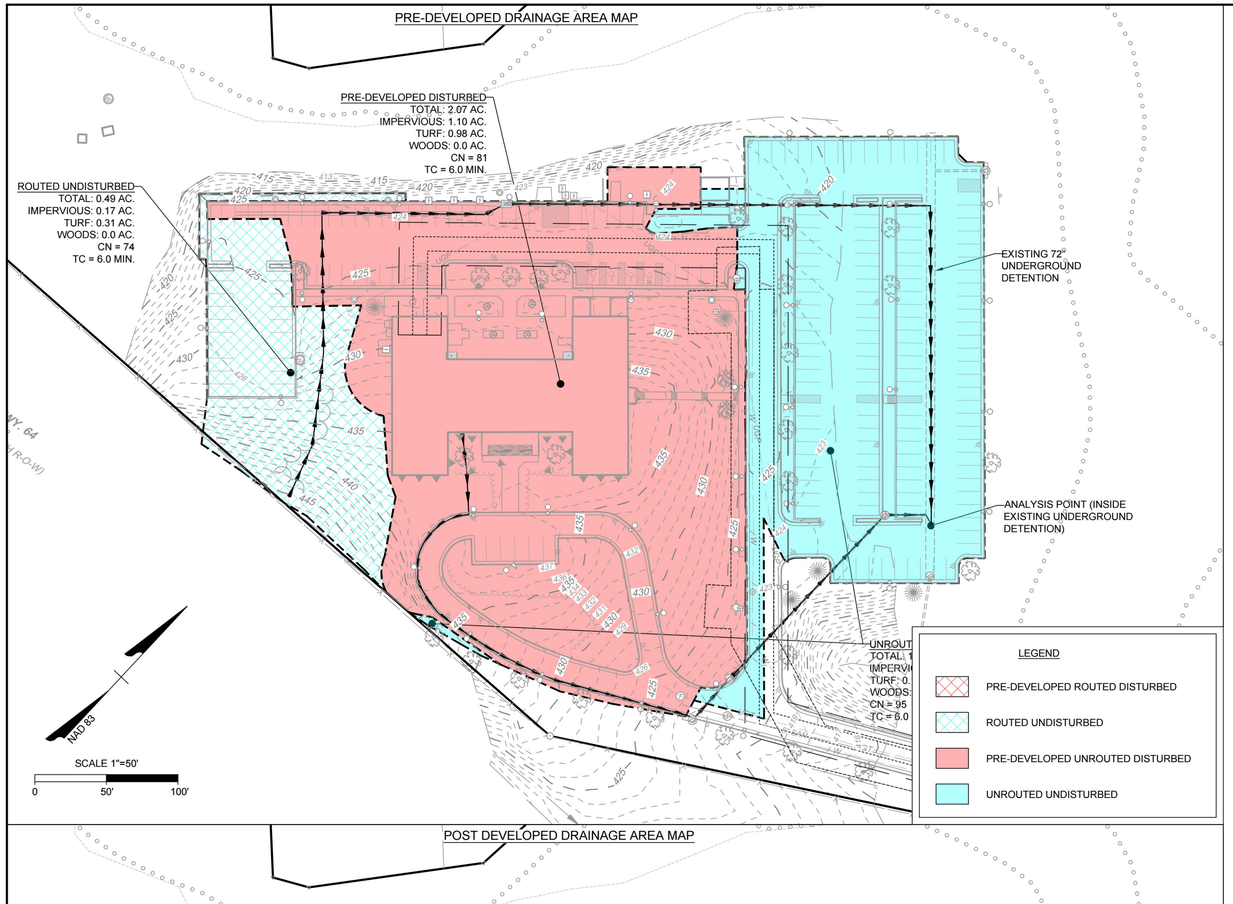
## UVA COMMUNITY CREDIT UNION

ALBEMARLE COUNTY, VA

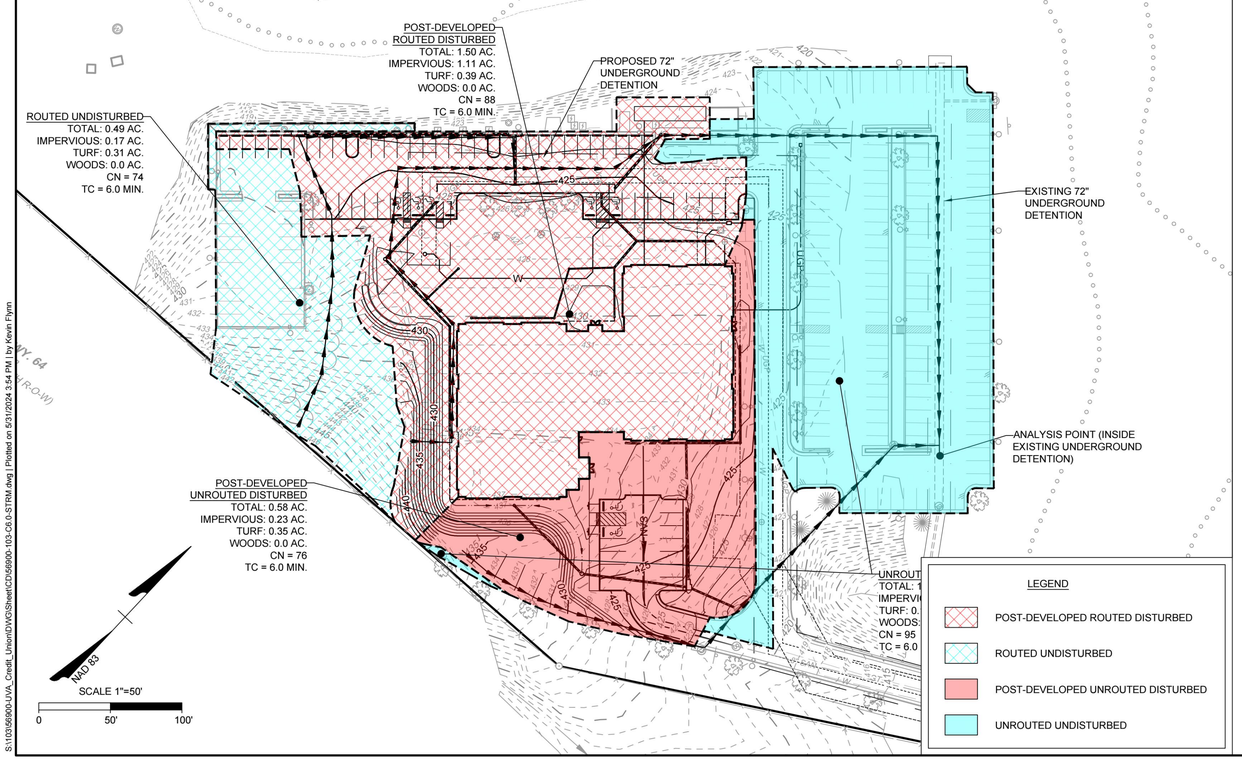
## GRADING & DRAINAGE PLAN

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## PRE-DEVELOPED DRAINAGE AREA MAP




## POST DEVELOPED DRAINAGE AREA MAP




## WATER QUANTITY CALCULATIONS:

THE EXISTING SITE IS DEVELOPED WITH AN EXISTING BUILDING AND ASSOCIATED PARKING. THERE IS AN EXISTING STORMWATER CONVEYANCE SYSTEM ON SITE THAT INCLUDES INLETS, STORM PIPES AND A 72" UNDERGROUND DETENTION SYSTEM THAT IS LOCATED IN THE EAST PARKING LOT THAT CAPTURES RUNOFF FROM THE SITE. THE ANALYSIS POINT IS LOCATED IN THE EXISTING UNDERGROUND DETENTION SYSTEM, UPSTREAM OF THE OUTFALL STRUCTURE.

IN THE PROPOSED CONDITION, ALL RUNOFF FROM DISTURBED AREAS WILL FLOW TO THE EXISTING UNDERGROUND DETENTION SYSTEM. A NEW 72" UNDERGROUND DETENTION SYSTEM IS PROPOSED IN THE REAR PARKING LOT UPSTREAM OF THE EXISTING UNDERGROUND DETENTION SYSTEM, CAPTURING RUNOFF FROM DISTURBED AND UNDISTURBED AREAS. RUNOFF OTHER DISTURBED AND UNDISTURBED AREAS WILL FLOW DIRECTLY TO THE EXISTING UNDERGROUND DETENTION SYSTEM.

CHANNEL PROTECTION REQUIREMENTS ARE MET WITH THE ENERGY BALANCE EQUATION, AND FLOOD PROTECTION REQUIREMENTS ARE MET BY ENSURING THAT THE POST-DEVELOPED Q10 FLOW RATE DOES NOT EXCEED THE PRE-DEVELOPED CONDITION.

NOTE: FOR THE PURPOSES OF STORMWATER MANAGEMENT, THIS MAJOR SITE PLAN AMENDMENT IS PART OF A COMMON PLAN OF DEVELOPMENT WITH THE DEMOLITION PLAN TO REMOVE THE EXISTING BUILDING ON THIS SITE. A SEPARATE MAJOR SITE PLAN AMENDMENT HAS BEEN SUBMITTED FOR THE DEMOLITION PLAN.

### CHANNEL PROTECTION (ENERGY BALANCE):

THE WATER QUANTITY AREA: 0.78 ACRES

$Q_{1\text{-YR POST-DEV TOTAL}} \leq 0.8 * (Q_{\text{PRE-DEV ON-SITE}} * RV_{\text{PRE-DEV}}) / RV_{\text{POST-DEV}} + \text{OFFSITE FLOW}$

8.60 CFS ≤ 0.8 * (4.91 CFS * 0.217 AC-FT) / (0.218 AC-FT + 0.049 AC-FT) + 5.73 CFS

OK 8.60 CFS ≤ 8.92 CFS

### FLOOD PROTECTION:

POST-DEVELOPED $Q_{10}$ ≤ PRE-DEVELOPED $Q_{10}$

OK 23.83 CFS (POST-DEVELOPED $Q_{10}$) ≤ 24.03 CFS (PRE-DEVELOPED $Q_{10}$)

**PRE-DEVELOPED DRAINAGE AREA ANALYSIS**

| PRE DEVELOPED DISTURBED | | |
|---|---|---|
| | Q (CFS) | V (AC-FT) |
| 1 YEAR | 4.91 | 0.217 |
| 10 YEAR | 12.31 | |

| ROUTED UNDISTURBED | | |
|---|---|---|
| | Q (CFS) | V (AC-FT) |
| 1 YEAR | 0.79 | 0.067 |
| 10 YEAR | 2.34 | |

| UNROUTED UNDISTURBED | | |
|---|---|---|
| | Q (CFS) | V (AC-FT) |
| 1 YEAR | 4.94 | 0.244 |
| 10 YEAR | 9.39 | |

| PRE DEVELOPED COMBINED FLOW | | |
|---|---|---|
| | Q (CFS) | V (AC-FT) |
| 1 YEAR | 10.60 | 0.495 |
| 10 YEAR | 24.03 | |

**POST DEVELOPED DRAINAGE AREA ANALYSIS**

| POST DEVELOPED ROUTED DISTURBED | | |
|---|---|---|
| | Q (CFS) | V (AC-FT) |
| 1 YEAR | 4.78 | 0.218 |
| 10 YEAR | 1.30 | |

| ROUTED UNDISTURBED | | |
|---|---|---|
| | Q (CFS) | V (AC-FT) |
| 1 YEAR | 0.79 | 0.034 |
| 10 YEAR | 2.34 | |

| VIA SWM | | |
|---|---|---|
| | Q (CFS) | V (AC-FT) |
| 1 YEAR | 4.16 | 0.252 |
| 10 YEAR | 11.74 | |

| POST DEVELOPED UNROUTED DISTURBED | | |
|---|---|---|
| | Q (CFS) | V (AC-FT) |
| 1 YEAR | 1.07 | 0.049 |
| 10 YEAR | 3.00 | |

| UNROUTED UNDISTURBED | | |
|---|---|---|
| | Q (CFS) | V (AC-FT) |
| 1 YEAR | 4.94 | 0.244 |
| 10 YEAR | 9.39 | |

| POST DEVELOPED COMBINED FLOW | | |
|---|---|---|
| | Q (CFS) | V (AC-FT) |
| 1 YEAR | 8.60 | 0.545 |
| 10 YEAR | 23.83 | |

## WATER QUALITY CALCULATIONS:

### SUMMARY FROM RUNOFF REDUCTION SPREAD SHEET FOR REDEVELOPMENT (SEE CALC. BOOK):

DISTURBED AREA: 2.07 ACRES

PRE-DEVELOPMENT LAND COVER:
B SOILS:
0.98 AC TURF
1.10 AC IMPERVIOUS

POST-DEVELOPMENT LAND COVER:
B SOILS:
0.74 AC TURF
1.34 AC IMPERVIOUS

REQUIRED REMOVAL: 0.97 LBS/YR

THE 0.97 LBS/YR REQUIRED REMOVAL TO BE PURCHASED FROM A DEQ APPROVED CREDIT BANK IN ACCORDANCE WITH CODE OF VIRGINIA 62.1-44.15:35.

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KEVIN B. FLYNN
Lic. No. 53836
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5/31/24
NOT FOR CONSTRUCTION
63216-SITE


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B. PERDUE
DESIGNED BY
K. FLYNN
CHECKED BY
K. FLYNN
SCALE
1" = 50'

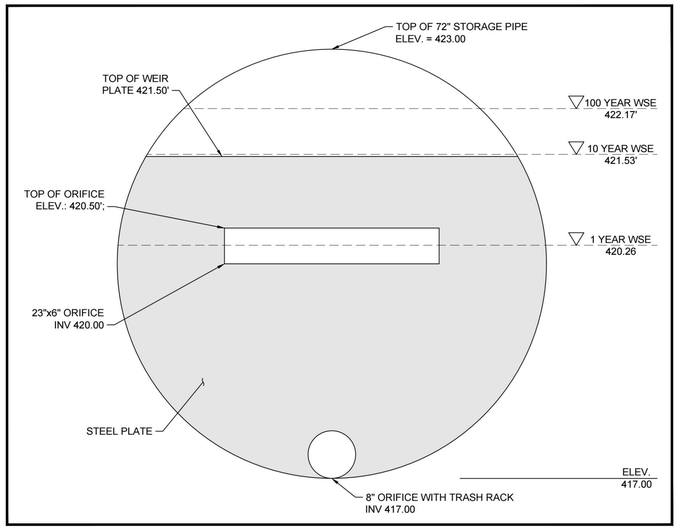
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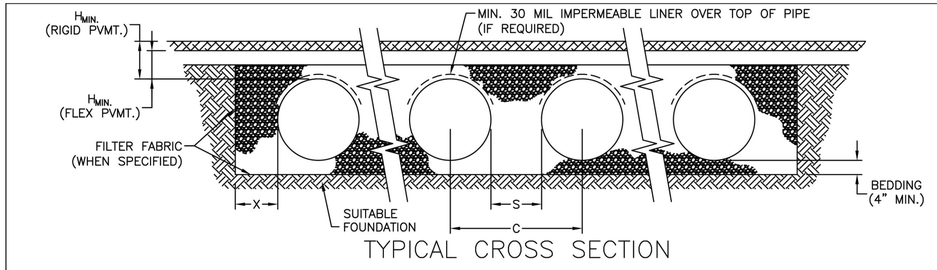
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ALBEMARLE COUNTY, VA
STORMWATER MANAGEMENT PLAN

JOB NO.
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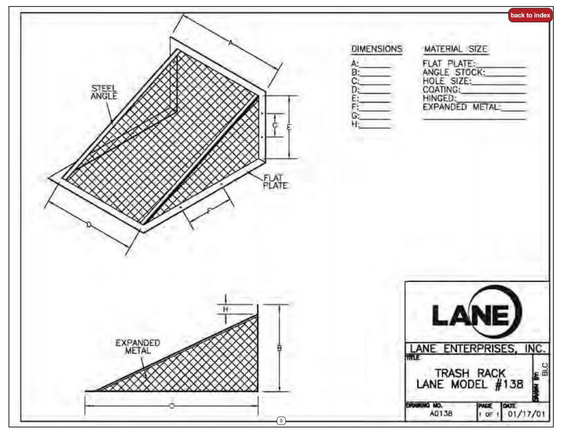



TYPICAL CROSS SECTION

1. ALL CORRUGATED METAL PIPE (CMP) SHALL BE THE DIAMETER, CORRUGATION SIZE, AND GAUGE SPECIFIED ON THE PLANS. CORRUGATED STEEL PIPE WITH A METALLIC COATING SHALL CONFORM TO AASHTO M36 AND/OR ASTM A760. CORRUGATED STEEL PIPE WITH A POLYMER COATING SHALL CONFORM TO AASHTO M245 AND/OR ASTM A762. CORRUGATED ALUMINUM ALLOY PIPE SHALL CONFORM TO AASHTO M196 AND/OR ASTM B745. ALL RISERS AND STUBS ARE 16-GAUGE WITH A 2⅔" X ½" CORRUGATION UNLESS OTHERWISE NOTED. FITTINGS SHALL MEET THE MINIMUM DESIGN REQUIREMENTS OF ASTM A998 FOR THE BURIAL DEPTH SHOWN ON THE PLANS.
2. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR OR THEIR AGENT TO RESEARCH AND IMPLEMENT APPLICABLE SAFETY, HAZARD, AND HEALTH REGULATIONS; AND OBTAIN THE NECESSARY APPROVALS, CONSENTS OR PERMITS FROM APPLICABLE AGENCIES, PRIVATE LANDOWNERS, OR PUBLIC ROAD AUTHORITIES.
3. THE CONTRACTOR SHALL BE ADVISED THAT CORRUGATED METAL PIPE IS FLEXIBLE AND THEREFORE DERIVES STRUCTURAL STABILITY FROM THE STRENGTH AND RELATIVE STIFFNESS OF THE SURROUNDING BACKFILL MATERIAL. THE RESULTING SOIL-CULVERT INTERACTION SYSTEM DEFINES THE ABILITY OF THE FLEXIBLE PIPE TO WITHSTAND ANTICIPATED LOADS.
4. PIPE BEDDING AND EMBEDMENT SHALL BE SELECT GRANULAR MATERIALS MEETING THE REQUIREMENTS OF AASHTO M145 FOR A-1, A-2 AND A-3 CLASSIFICATIONS. WELL-GRADED EMBEDMENT MATERIALS SHALL BE FREE OF ORGANICS, ROCK FRAGMENTS LARGER THAN THREE INCHES, AND FROZEN LUMPS. APPLICATIONS THAT INVOLVE PERFORATED PIPE FOR RETENTION PURPOSES SHALL BE BEDDED AND BACKFILLED WITH A CLEAN, OPEN-GRADED, ANGULAR STONE WITH A SIZE DISTRIBUTION BETWEEN 0.75 AND 2 INCHES. OPEN-GRADED EMBEDMENT MATERIALS REQUIRE THE USE OF A FILTER FABRIC TO ELIMINATE THE POTENTIAL OF SOIL MIGRATION FROM ADJACENT SOILS.
5. ALL CMP SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, THE MANUFACTURER'S RECOMMENDATIONS, ASTM A798 FOR CORRUGATED STEEL PIPE OR ASTM B788 FOR CORRUGATED ALUMINUM ALLOY PIPE, AND/OR SECTION 26 OF THE AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS. IN GENERAL, BEDDING SHALL BE A MINIMUM OF 4 INCHES IN DEPTH AND LEFT LOOSELY PLACED UNDER AND ROUGHLY SHAPED TO THE MIDDLE-THIRD OF THE PIPE SPAN, AND THE EMBEDMENT SHALL BE INSTALLED IN LOOSE LIFTS NOT EXCEEDING 8 INCHES AND COMPACTED TO A MINIMUM 90% AASHTO T99 STANDARD PROCTOR DENSITY. EMBEDMENT SHALL BE RAISED EVENLY, AS DESCRIBED BELOW, WITH A MAXIMUM SIDE-TO-SIDE DIFFERENTIAL OF 24 INCHES OR ONE-THIRD OF THE PIPE DIAMETER, WHICHEVER IS LESS. SELECT EMBEDMENT MATERIALS SHALL EXTEND ABOVE THE PIPE A MINIMUM DISTANCE OF ONE-EIGHTH THE DIAMETER OR 12 INCHES, WHICHEVER IS GREATER.
6. PUBLISHED INSTALLATION STANDARDS REFERENCED ABOVE SHALL BE SUPPLEMENTED WITH THE FOLLOWING INSTRUCTIONS TO ACCOUNT FOR THE PRESENCE OF MANIFOLDS AND PARALLEL PIPE RUNS: THE BACKFILL OPERATION SHALL COMMENCE AND PROGRESS EVENLY ON BOTH SIDES OF THE MANIFOLD AND ALONGSIDE THE PIPE RUNS SIMULTANEOUSLY. IN THIS MANNER, THE OVERALL BACKFILL OPERATION SHALL PROGRESS IN THE DIRECTION OF THE PIPE RUNS AND TOWARDS THE OPPOSITE MANIFOLD, WHERE CARE IS AGAIN TAKEN TO ENSURE THE BACKFILLING IS DONE EVENLY. PERIMETER BACKFILL MUST BE BROUGHT UP EVENLY AS WELL, AND EXTENDED HORIZONTALLY TO STABLE AND/OR UNDISTURBED TRENCH WALLS. SPECIAL CARE SHALL BE TAKEN TO ENSURE THE HAUNCH REGIONS OF THE PIPE ARE COMPLETELY FILLED AND PROPERLY COMPACTED. FILLING THE INSIDE HAUNCH REGIONS OF THE MANIFOLD BETWEEN STUBS IS MORE CHALLENGING AND WILL REQUIRE ADDITIONAL CARE.
7. NO EQUIPMENT SHALL BE OPERATED ON THE SYSTEM UNTIL A MINIMUM OF 12 INCHES OF COVER HAS BEEN ESTABLISHED, AT WHICH TIME ONLY WALK-BEHIND COMPACTION EQUIPMENT AND SMALL SPREADING EQUIPMENT MAY BE USED. EXCAVATORS MUST BE LOCATED OFF THE BED, AND DUMP TRUCKS SHALL NOT DUMP STONE DIRECTLY ON TO THE BED.
8. PROVIDE MINIMUM 30 MIL IMPERMEABLE LINER DRAPED OVER TOP HALF OF PIPE (LATERALS AND MANIFOLDS) TO PREVENT ANY PARKING LOT SEEPAGE FROM ENTERING THE TOP HALF OF THE PIPE, BUT ALLOWING DRAINAGE BETWEEN PIPES. LINER REQUIRES MINIMUM 2" BACKFILL CUSHION AROUND PIPE.

| DIAMETER (in) | Standard Spacing | | | $H_{MIN}$ (ft) |
|---|---|---|---|---|
| | S (ft) | C (ft) | X (ft) | |
| 24" | 1.0 | 3.0 | 2.0 | 1.00 |
| 30" | 1.25 | 3.75 | 2.0 | 1.00 |
| 36" | 1.5 | 4.5 | 2.0 | 1.00 |
| 42" | 1.75 | 5.25 | 2.0 | 1.00 |
| 48" | 2.0 | 6.0 | 2.0 | 1.00 |
| 54" | 2.25 | 6.75 | 2.0 | 1.00 |
| 60" | 2.5 | 7.5 | 2.0 | 1.00 |
| 66" | 2.75 | 8.25 | 2.0 | 1.00 |
| 72" | 3.0 | 9.0 | 2.0 | 1.00 |
| 78" | 3.0 | 9.5 | 2.0 | 1.00 |
| 84" | 3.0 | 10.0 | 2.0 | 1.00 |
| 90" | 3.0 | 10.5 | 2.0 | 1.00 |
| 96" | 3.0 | 11.0 | 2.0 | 1.00 |
| 102" | 3.0 | 11.5 | 2.0 | 1.25 |
| 108" | 3.0 | 12.0 | 2.0 | 1.25 |
| 114" | 3.0 | 12.5 | 2.0 | 1.25 |
| 120" | 3.0 | 13.0 | 2.0 | 1.25 |
| 126" | 3.0 | 13.5 | 2.0 | 1.50 |
| 132" | 3.0 | 14.0 | 2.0 | 1.50 |
| 138" | 3.0 | 14.5 | 2.0 | 1.50 |
| 144" | 3.0 | 15.0 | 2.0 | 1.50 |





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DESIGNED BY: K. FLYNN
CHECKED BY: K. FLYNN
SCALE: 1" = 50'

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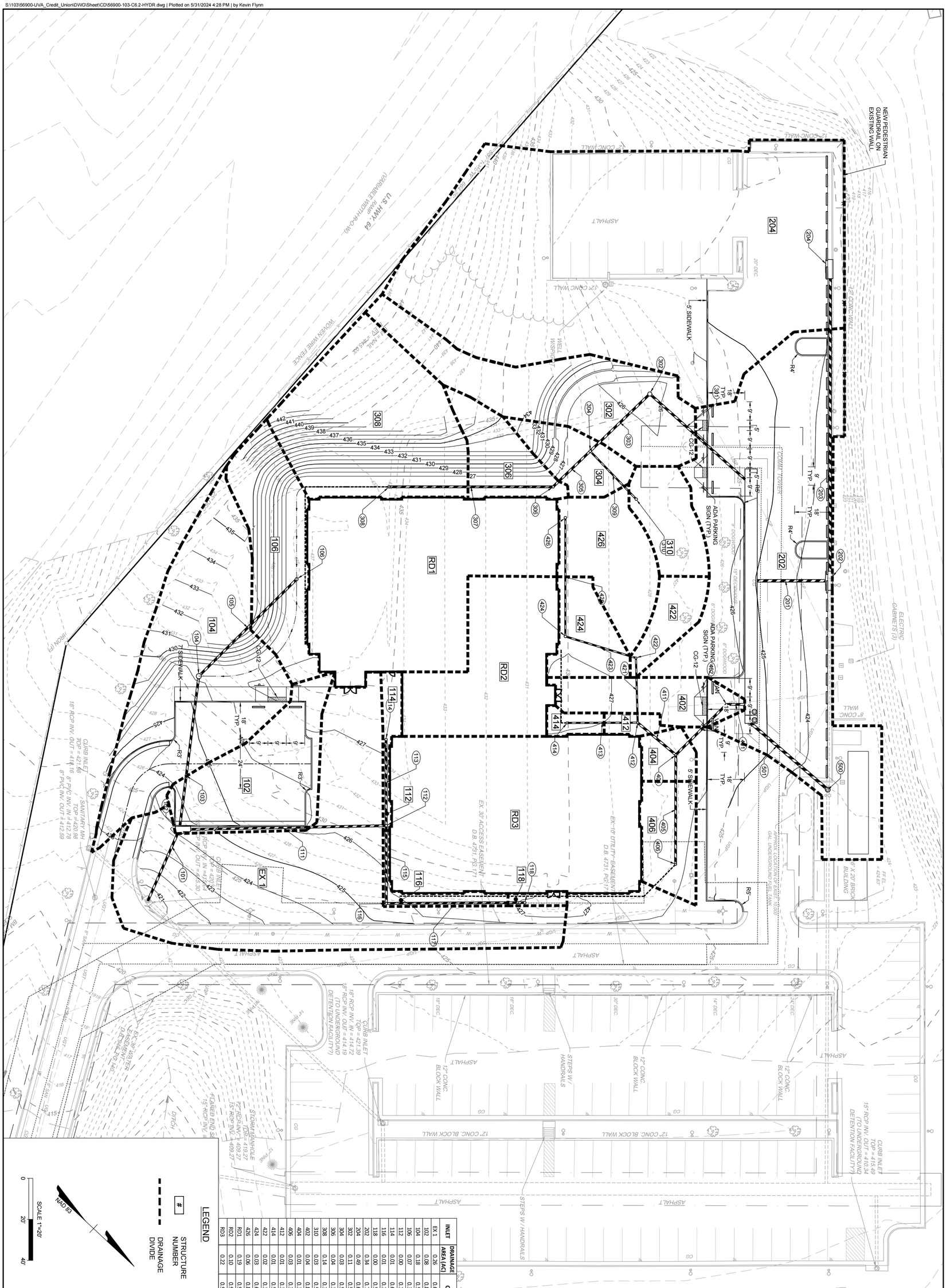
UVA COMMUNITY CREDIT UNION
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STORMWATER MANAGEMENT PLAN

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| INLET | DRAINAGE AREA (AC) | C |
|---|---|---|
| EX 1 | 0.26 | 0.60 |
| 102 | 0.08 | 0.85 |
| 104 | 0.18 | 0.51 |
| 106 | 0.07 | 0.30 |
| 112 | 0.00 | 0.30 |
| 114 | 0.01 | 0.60 |
| 116 | 0.01 | 0.30 |
| 118 | 0.00 | 0.54 |
| 202 | 0.34 | 0.75 |
| 204 | 0.49 | 0.62 |
| 302 | 0.11 | 0.54 |
| 304 | 0.03 | 0.54 |
| 306 | 0.04 | 0.30 |
| 308 | 0.14 | 0.30 |
| 310 | 0.03 | 0.30 |
| 402 | 0.04 | 0.85 |
| 404 | 0.01 | 0.34 |
| 406 | 0.03 | 0.30 |
| 412 | 0.01 | 0.30 |
| 414 | 0.01 | 0.55 |
| 422 | 0.02 | 0.37 |
| 424 | 0.03 | 0.67 |
| 426 | 0.06 | 0.84 |
| RD1 | 0.19 | 0.90 |
| RD2 | 0.10 | 0.90 |
| RD3 | 0.22 | 0.90 |

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KEVIN LEE FLYNN
LICENSED PROFESSIONAL ENGINEER
No. 043088
5/31/2024

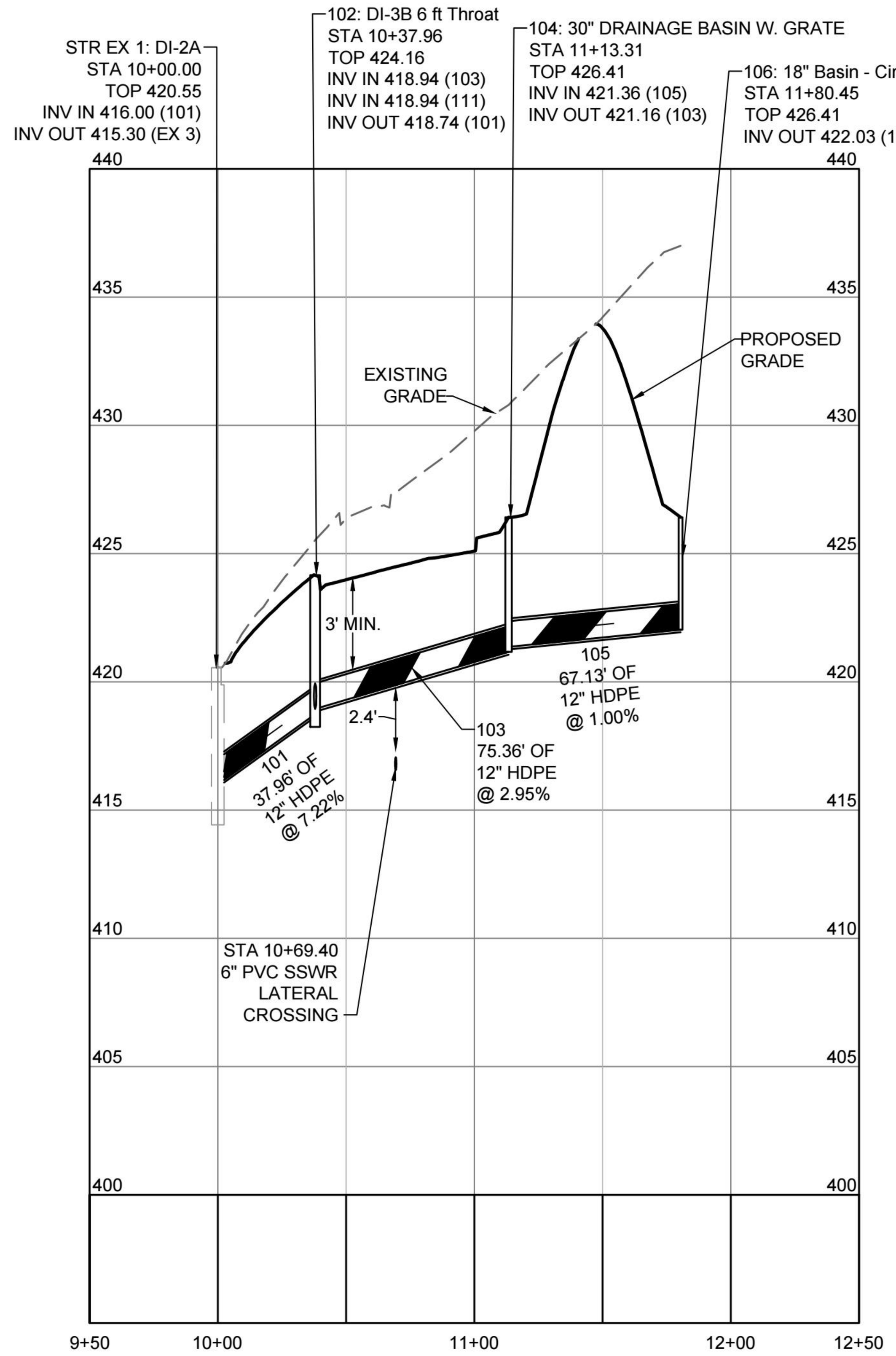
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UVA COMMUNITY CREDIT UNION
ALBEMARLE COUNTY, VA
INLET DRAINAGE AREA MAP

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CHECKED BY K. FLYNN
DESIGNED BY K. FLYNN
DRAWN BY B. PERDUE
DATE 05/31/2024

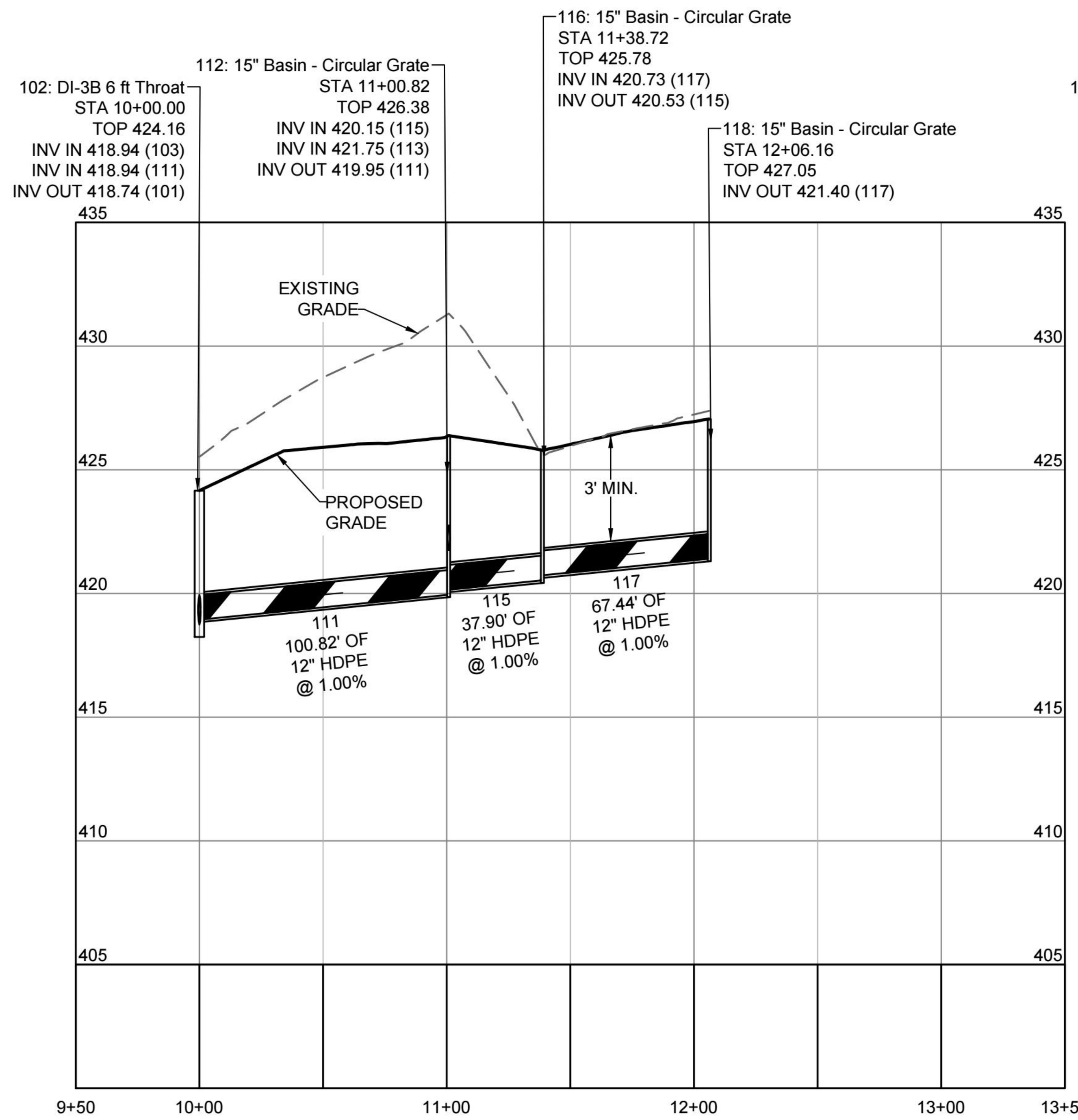
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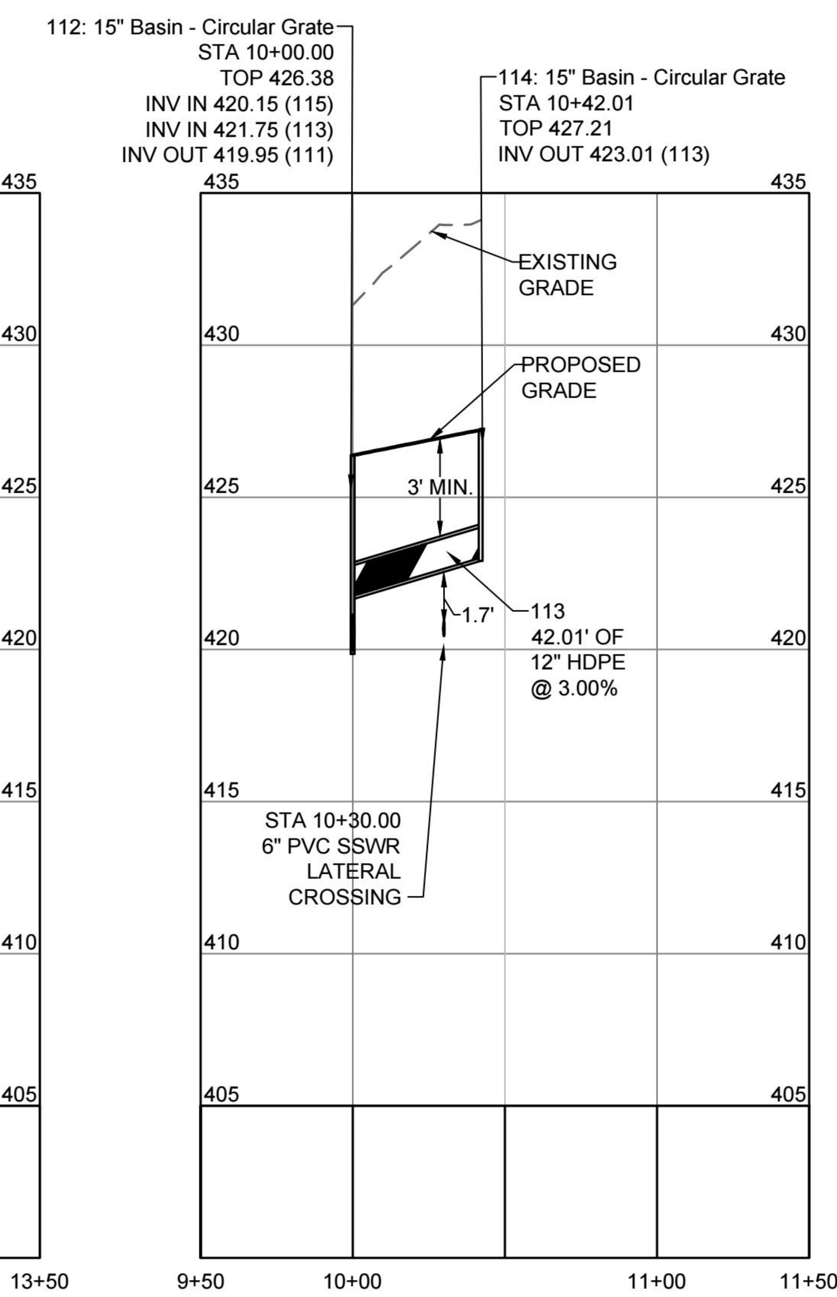

## STR EX1 - STRM 106 PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5



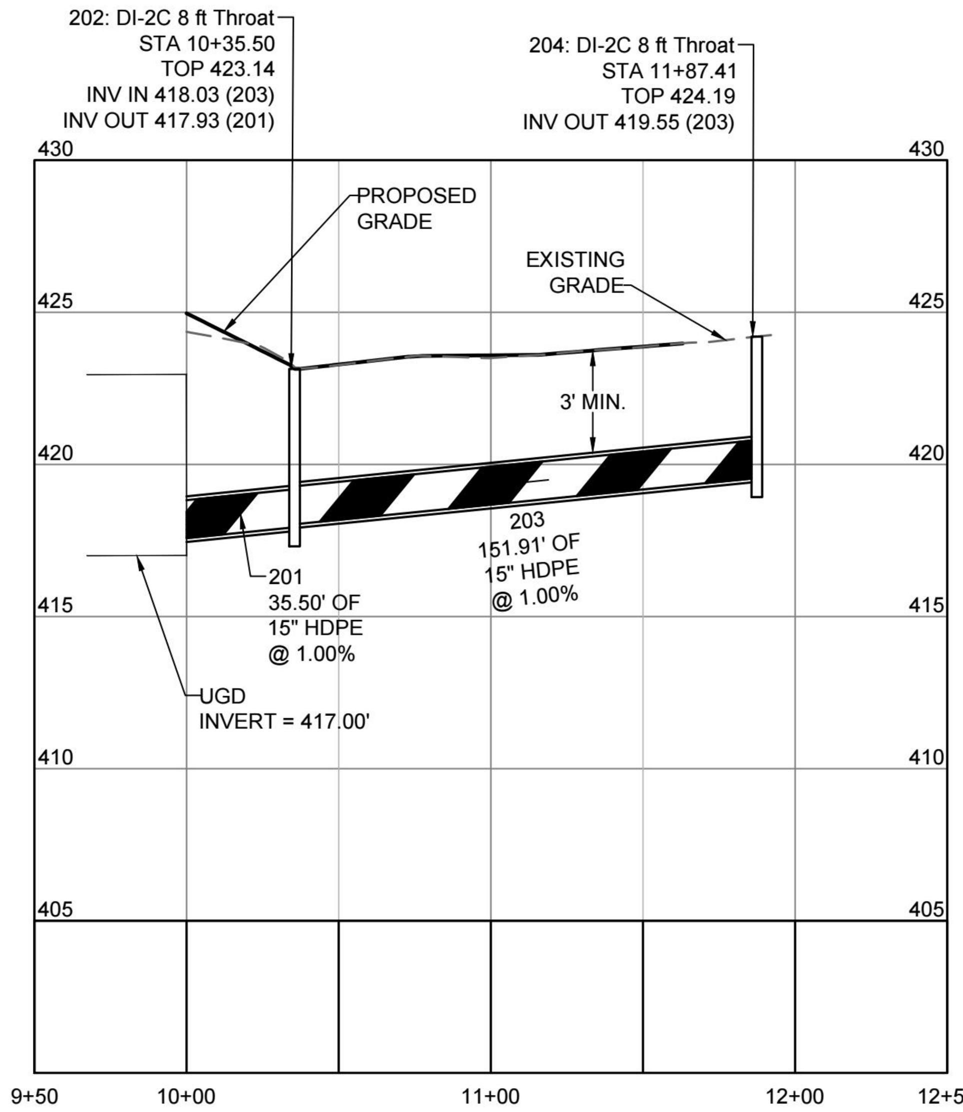

## STRM 102 - STRM 118 PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5



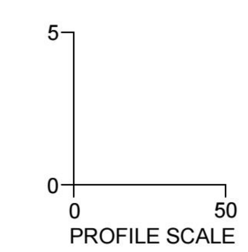

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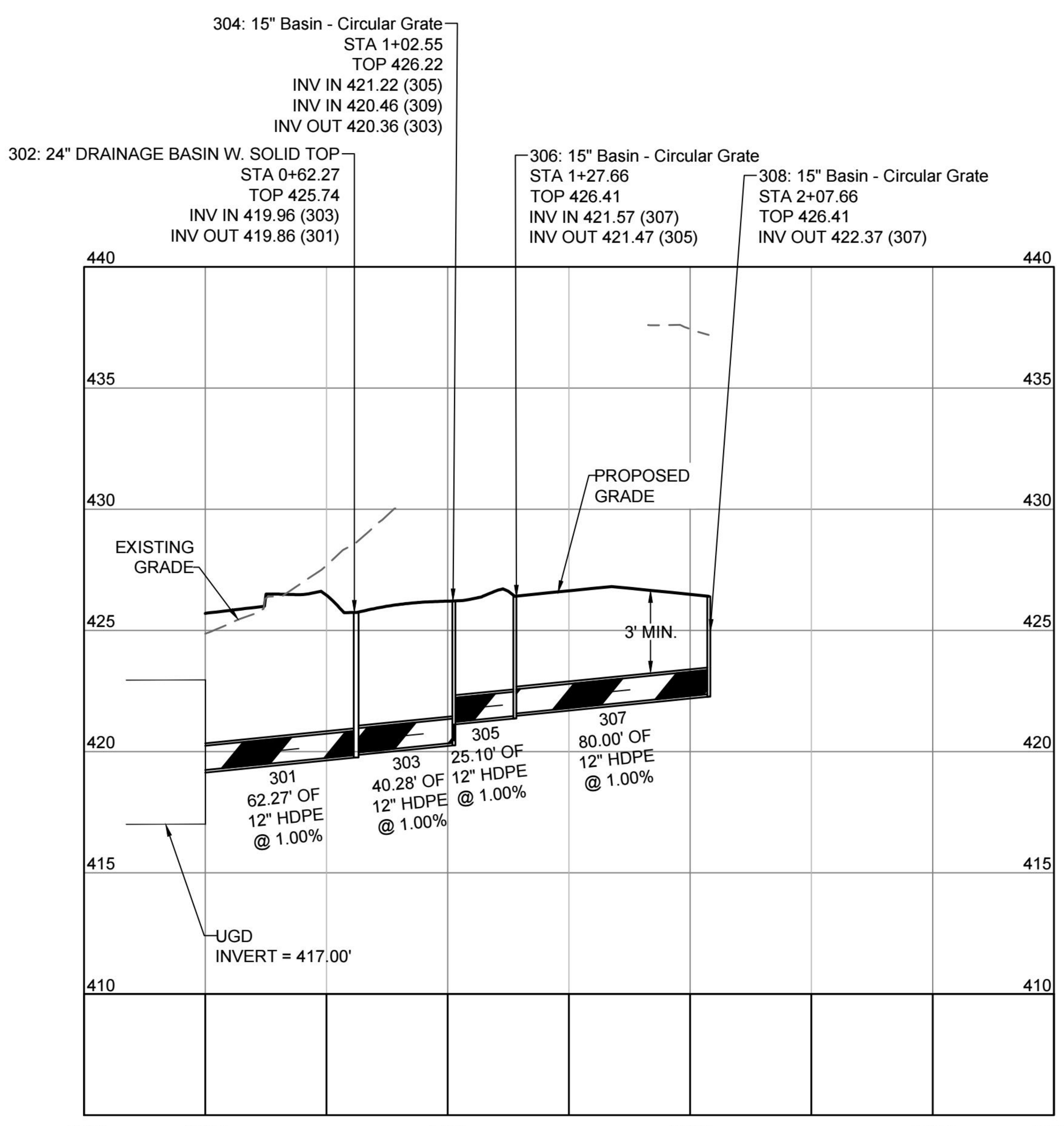
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VERT SCALE: 1"=5




## UGD - STRM 204 PROFILE

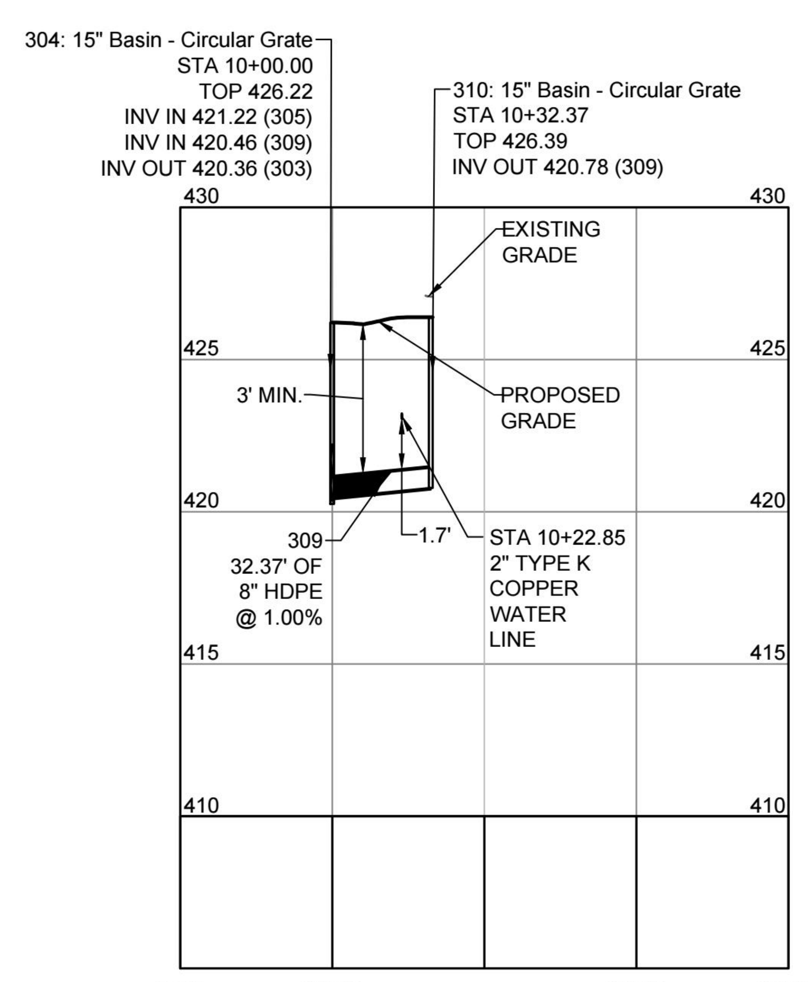
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VERT SCALE: 1"=5



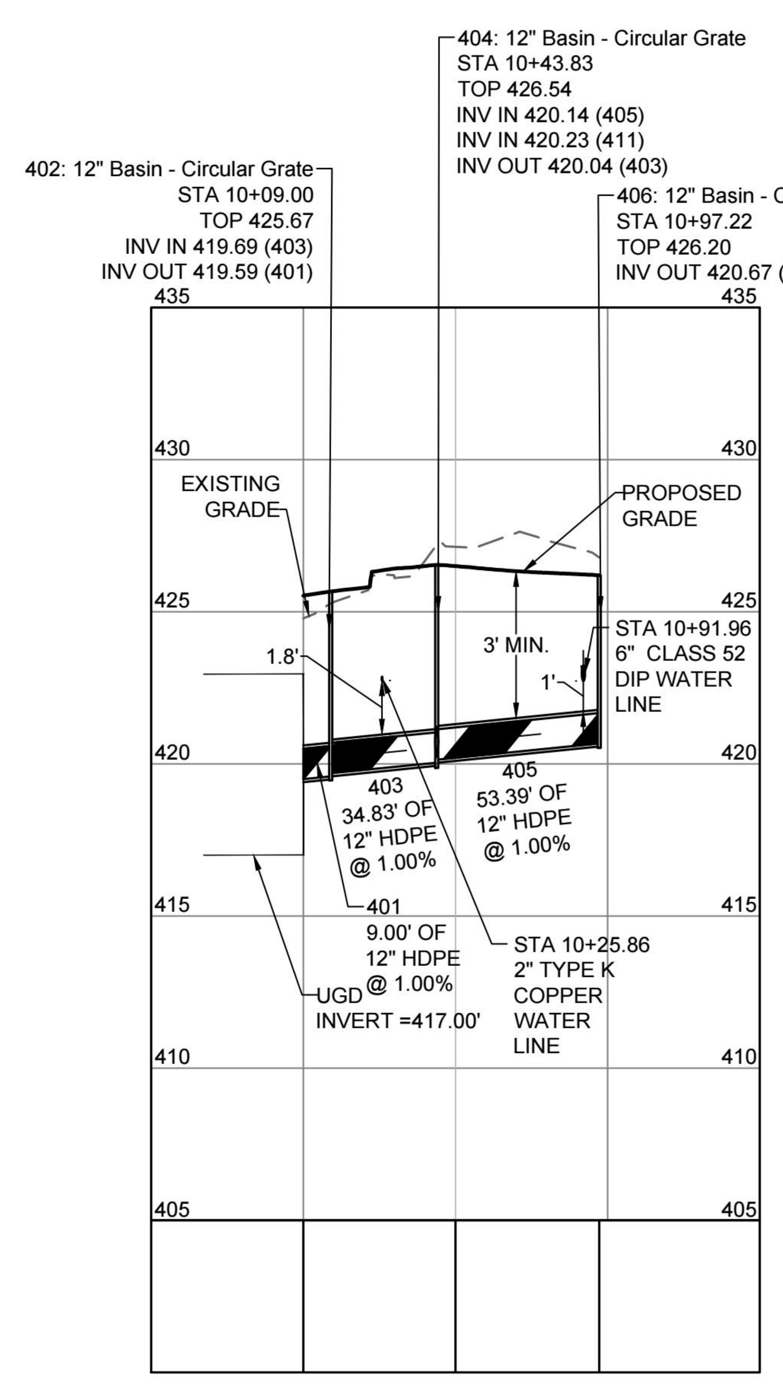

## UGD - STRM 308 PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5



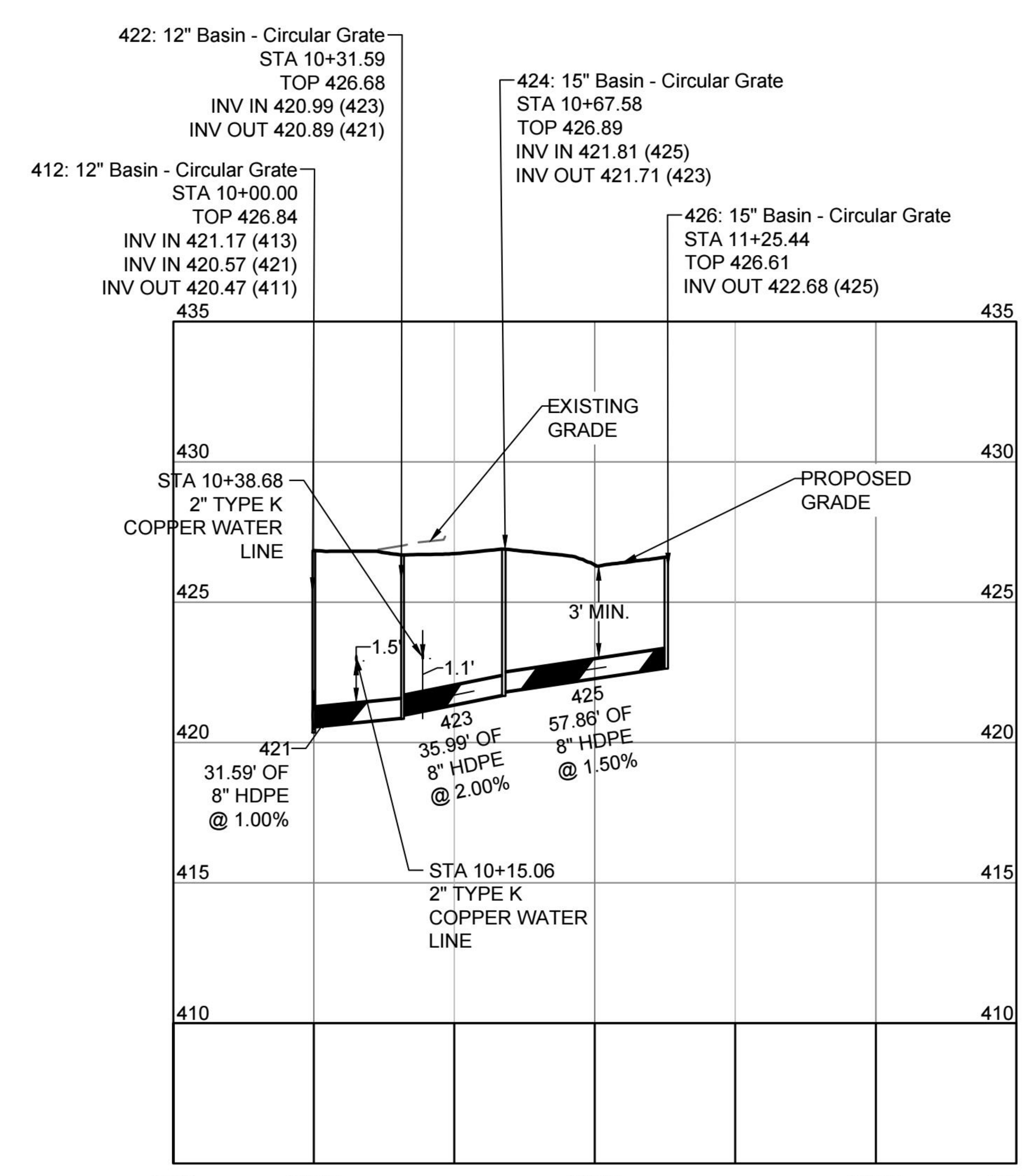

## STRM 308 - STRM 310 PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5



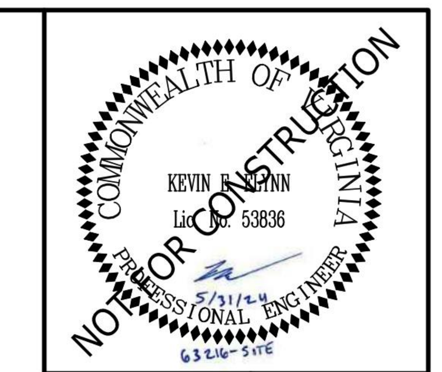

## UGD - STRM 406 PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5




## STRM 412 - STRM 426 PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5




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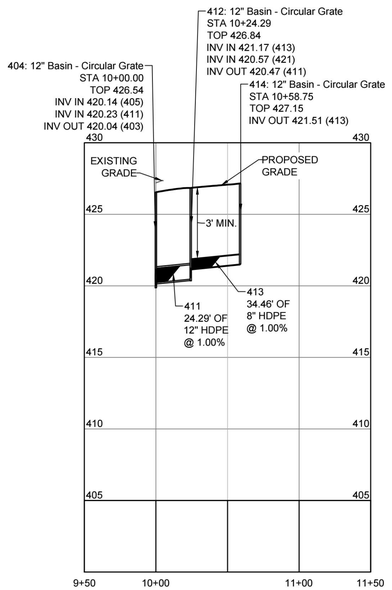
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STORM PROFILES

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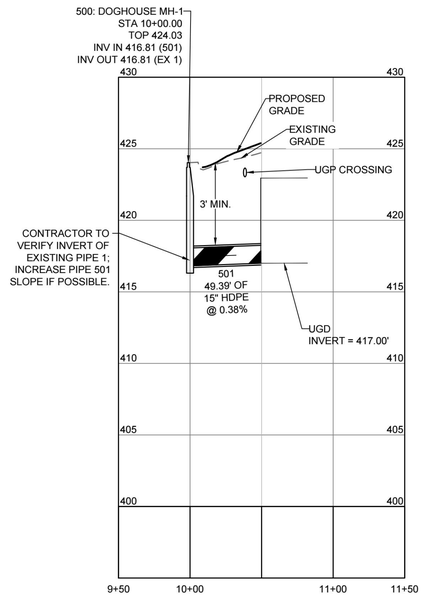
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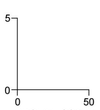

## STRM 404 - STRM 414 PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5




## STRM 500 - UGD PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5





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COMMONWEALTH OF VIRGINIA
KEVIN B. FLYNN
Lic. No. 53836
PROFESSIONAL ENGINEER
5/31/24
NOT FOR CONSTRUCTION
63216-SITE

REVISION DESCRIPTION

DATE

DATE
*05/31/2024*

DRAWN BY
*B. PERDUE*

DESIGNED BY
*K. FLYNN*

CHECKED BY
*K. FLYNN*

SCALE
*1" = 50'*

TIMMONS GROUP

UVA COMMUNITY CREDIT UNION
ALBEMARLE COUNTY, VA
STORM PROFILES

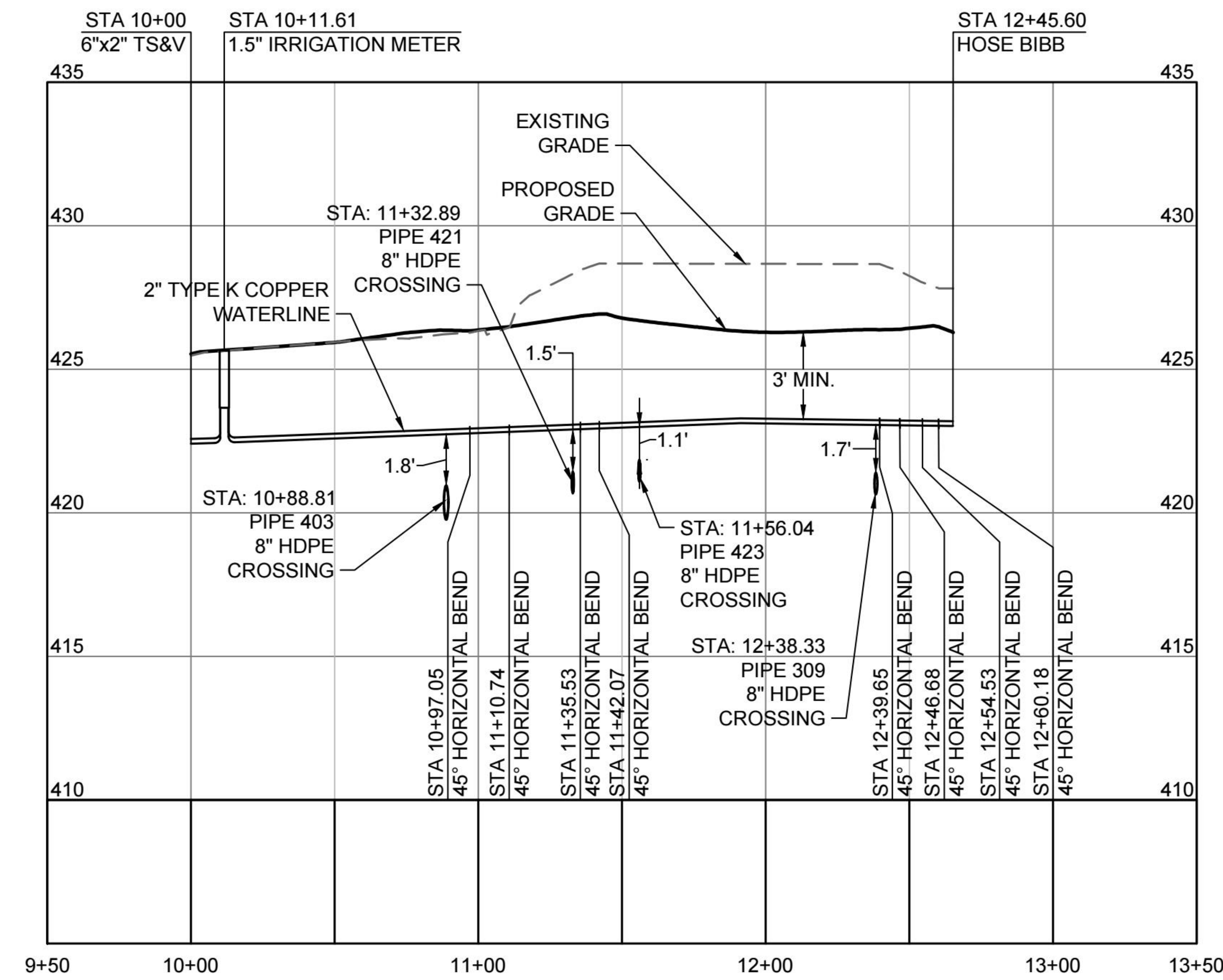
JOB NO.
*63216*

SHEET NO.
*C7.01*


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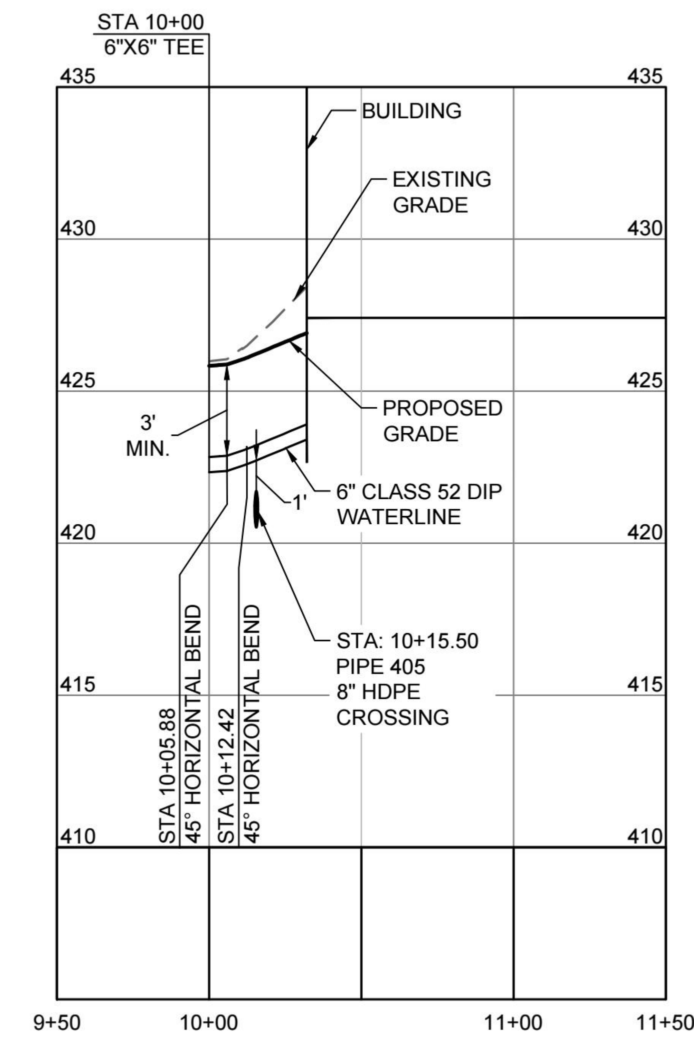


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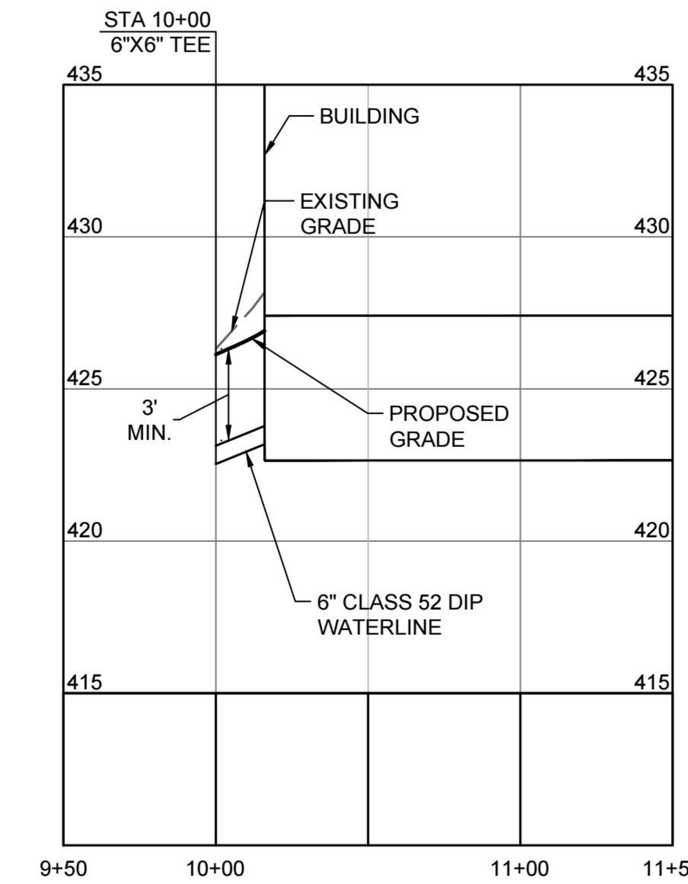

IRRIGATION WATER LINE PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5



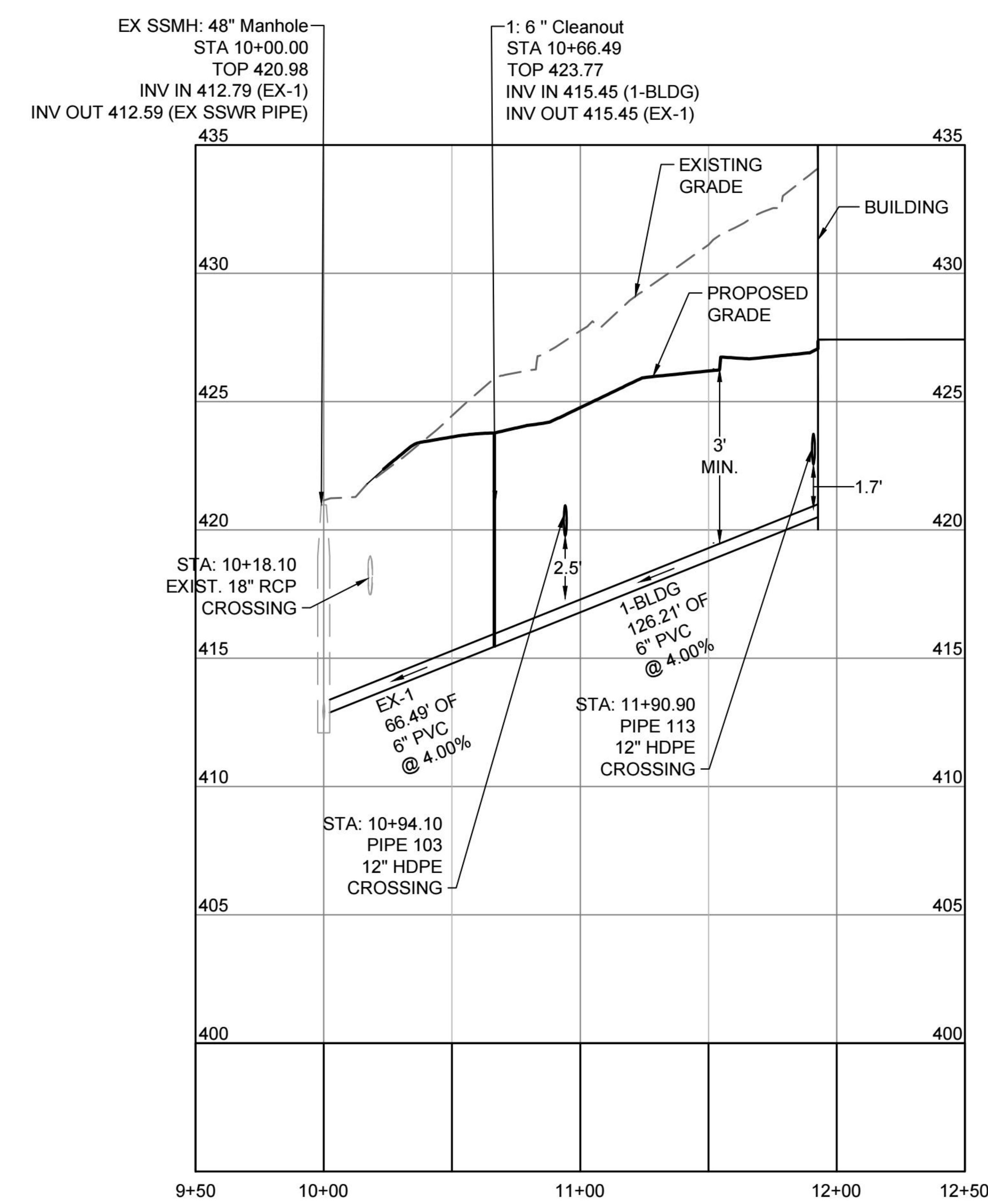

DOMESTIC WATER PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5



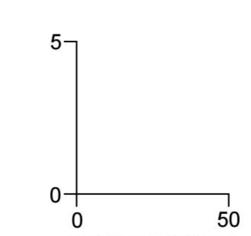

FIRE LINE PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5




SANITARY SEWER PROFILE

HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5




PROFILE SCALE

COMMONWEALTH OF VIRGINIA
KEVIN E. FLYNN
Lic. No. 53836
5/31/24
PROFESSIONAL ENGINEER
63216-SITE
NOT FOR CONSTRUCTION

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| DATE | REVISION DESCRIPTION |
| --- | --- |

| | |
| --- | --- |
| DATE | 05/31/2024 |
| DRAWN BY | B. PERDUE |
| DESIGNED BY | K. FLYNN |
| CHECKED BY | K. FLYNN |
| SCALE | 1'' = 50' |

TIMMONS GROUP

UVA COMMUNITY CREDIT UNION

ALBEMARLE COUNTY, VA

STORM PROFILES

JOB NO. 63216

SHEET NO. C7.02

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| PLANT KEY | | |
|---|---|---|
| SYMBOL | CODE | BOTANICAL NAME |
| TREES | | |
| | GIN PSG | GINKGO BILOBA 'PRINCETON SENTRY' |
| | PLA BLO | PLATANUS X ACERIFOLIA 'BLOODGOOD' |
| | GYM KEN | GYMNOCLADUS DIOICA |
| | PRU SER | PRUNUS SERRULATA |
| SHRUBS | | |
| | ILE INK | ILEX GLABRA 'COMPACTA' |

LEGEND:
TREE TO BE REMOVED. CONTRACTOR TO GRIND STUMPS

SCALE 1"=20'
0
20'
40'
NAD 83

U.S. HWY 64
(VARIABLE WIDTH R.O.W.)

EXISTING TREE TO REMAIN
(2) GYM KEN
(1) GIN PSG
EXISTING TREE TO REMAIN
EXISTING TREE TO REMAIN
(1) GIN PSG
PARKING LOT 1
LIMIT OF DISTURBANCE
UTILITY EASEMENT
EXISTING TREE TO REMAIN
LIMIT OF DISTURBANCE
(6) PLA BLO
(6) PRU SER
MULCH LINE
EXISTING TREE TO REMAIN
(13) ILE INK
(7) GYM KEN
EXISTING TREE TO REMAIN
6" PVC SANITARY LATERAL
PARKING LOT 2
(3) GYM KEN
EXISTING TREES TO REMAIN
EXISTING TREE TO REMAIN
EXISTING POWER POLES TO REMAIN
MULCH LINE
CONNECT TO EXIST MANHOLE
EXISTING TREE TO REMAIN
EXISTING TREE TO REMAIN
CONDUIT FOR FUTURE ELECTRIC VEHICLE CHARGERS
DITCH
UTILITY EASEMENT

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COMMONWEALTH OF VIRGINIA
SCOTT W. WILEY
No. 1629
LANDSCAPE ARCHITECT
05/31/2024

| | |
|---|---|
| SHEET NO. | L1.0 |
| JOB NO. | 56900 |
| SCALE | 1"=20' |
| CHECKED BY | C. LY |
| DESIGNED BY | M. IVANCOVICH |
| DRAWN BY | M. RACHNER |
| DATE | 05/31/2024 |

# UVA CREDIT UNION

ABLEMARLE COUNTY

## LANDSCAPE PLAN

| DATE | REVISION DESCRIPTION |
|---|---|
| | |

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# GENERAL NOTES

PRE-CONSTRUCTION

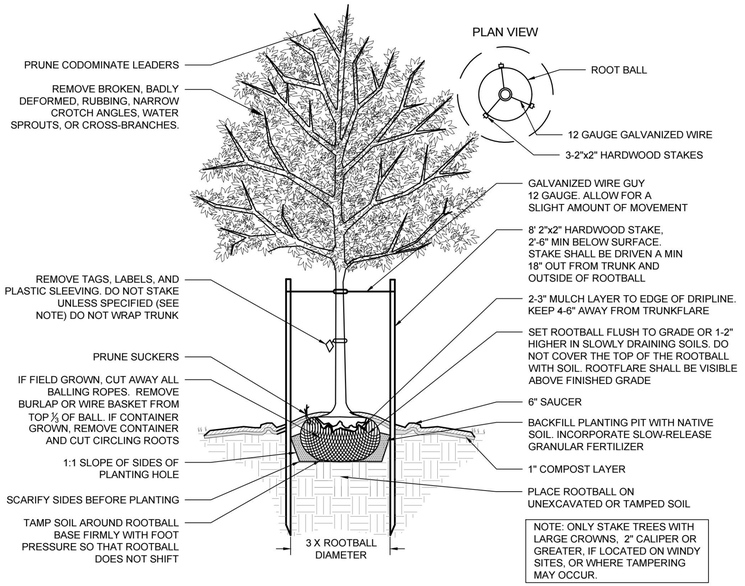
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING "MISS UTILITY" AT 1.800.552.7001 FOR LOCATION OF ALL UTILITY LINES.TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS. NOTIFY LANDSCAPE ARCHITECT OF CONFLICTS.
- VERIFY ALL PLANT MATERIAL QUANTITIES ON THE PLAN PRIOR TO BIDDING, PLANT LIST 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 LANDSCAPE ARCHITECT, TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL.
- PROVIDE AND INSTALL ALL PLANTS AS IN ACCORDANCE WITH DETAILS AND CONTRACT SPECIFICATIONS.
- SOIL TESTS SHALL BE PERFORMED TO DETERMINE SOIL CHARACTER AND QUALITY. NECESSARY SOIL AMENDMENTS SHALL BE PERFORMED PER TEST RESULTS TO ENSURE PLANT HEALTH.

CONSTRUCTION/INSTALLATION

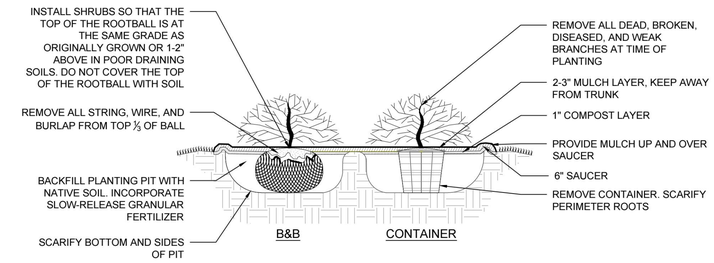
- LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS AND MATERIALS THAT ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION, AS WELL AS PLANTS AND MATERIALS THAT DO NOT CONFORM TO ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK"
- LABEL AT LEAST ONE TREE AND ONE SHRUB OF EACH VARIETY AND CALIPER WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING THE DESIGNATION OF BOTANICAL AND COMMON NAME.
- INSTALL LANDSCAPE PLANTINGS AT ENTRANCES/EXITS AND PARKING AREAS ACCORDING TO PLANS SO THAT MATERIALS WILL NOT INTERFERE WITH SIGHT DISTANCES.
- 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.

INSPECTIONS/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 LANDSCAPE ARCHITECT.
- ALL EXTERIOR PLANT MATERIALS SHALL BE GUARANTEED FOR ONE FULL YEAR AFTER DATE OF FINAL INSPECTION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. DEFECTS RESULTING FROM NEGLECT BY THE OWNER, 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.
- REMOVE ALL GUY WIRES AND STAKES 12 MONTHS AFTER INSTALLATION.




**1 DECIDUOUS TREE - STAKING SPECIFIED**
**NOT TO SCALE**




**2 SHRUB PLANTING**
**NOT TO SCALE**

| PLANT SCHEDULE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. INSTALLED SIZE | ROOT | CANOPY | | TOTAL |
| TREES | | | | | | | | | |
| | GIN PSG | 2 | GINKGO BILOBA 'PRINCETON SENTRY' | PRINCETON SENTRY MAIDENHAIR TREE | 2.5" CAL. | B&B | 17SF | | 34SF |
| | GYM KEN | 11 | GYMNOCLADUS DIOICA | KENTUCKY COFFEETREE | 2.5" CAL. | B&B | 637SF | | 7,007SF |
| | PLA BLO | 4 | PLATANUS X ACERIFOLIA 'BLOODGOOD' | BLOODGOOD LONDON PLANE TREE | 3.5" CAL. | B&B | 479SF | | 1,916SF |
| | PRU SER | 6 | PRUNUS SERRULATA | JAPANESE FLOWERING CHERRY | 6`-8` HT. | B&B | 87SF | | 522SF |
| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | MIN. INSTALLED SIZE | ROOT | | SPACING | = 9,479SF |
| SHRUBS | | | | | | | | | |
| | ILE INK | 13 | ILEX GLABRA 'COMPACTA' | COMPACT INKBERRY | 24" HT./SPRD. | CONTAINER | | 48" o.c. | |

NOTES:
-PLANT SCHEDULE QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY AND SHALL BE VERIFIED BY CONTRACTOR PRIOR TO BIDDING AND CONSTRUCTION.
-SEED ALL DISTURBED AREAS UNLESS OTHERWISE SHOWN ON PLAN.

## INTERIOR PARKING LOT LANDSCAPE AREA REQUIREMENTS
*** per Sec. 32.7.9.6 of the Albemarle County Code.**

| REQUIREMENT | PARKING LOT AREA | CALCULATIONS | REQUIRED | PROVIDED |
|---|---|---|---|---|
| 5% OF GROSS PARKING AREA | 21,086 SF | 21,086 X .05 = 1,054 SF | 1,054 SF | 3,303 SF |

## INTERIOR PARKING LOT TREE REQUIREMENTS
*** per Sec. 32.7.9.6 of the Albemarle County Code.**

| PARKING LOT | REQUIREMENT | PARKING SPACES | CALCULATIONS | REQUIRED | PROVIDED |
|---|---|---|---|---|---|
| PARKING LOT 1 | 1 LARGE SHADE TREE PER 10 PARKING SPACES. | 52 PARKING SPACES | 52/10= 5.2 TREES | 5 LARGE SHADE TREES | 7 LARGE SHADE TREES |
| PARKING LOT 2 | 1 LARGE SHADE TREE PER 10 PARKING SPACES | 13 PARKING SPACES | 13/10= 1 TREE | 1 LARGE SHADE TREE | 6 LARGE SHADE TREES |

## LANDSCAPING ALONG THE FRONTAGE OF E.C. STREETS
*** per Albemarle County ARB DESIGN GUIDELINES**

| STREET | LENGTH | REQUIREMENTS | CALCULATIONS | REQUIRED | PROVIDED |
|---|---|---|---|---|---|
| ROUTE 64 AND 5TH ST INTERSECTION | 350 LF | 1 LG TREE PER 35 LF WITH INTERSPERSED FLOWERING TREES | 350/35 = 10 | 10 LARGE TREES | 4 LARGE TREES<br>6 FLOWERING TREES |

NOTES:
-LARGE SHADE TREES ALONG ENTRANCE CORRIDOR NEED TO BE 3.5" CALIPER IN SIZE.

## TREE COVER CALCULATIONS
*** per Sec. 32.7.9.8 of the Albemarle County Code**

| SITE AREA | REQUIREMENT | CALCULATION | REQUIRED QUANTITY | PROVIDED QUANTITY |
|---|---|---|---|---|
| 72,276 SF(GROSS SITE AREA) | 10% COVER | 91,013 x .1 = 9,101.3 | 9,101 SF | 9,479 SF |

NOTES:
-WHERE A PARKING AREA IS LOCATED SO THAT PARKED CARS ARE VISIBLE FROM AN OFF-SITE STREET, SHRUBS ARE TO BE INSTALLED AT A MINIMUM HEIGHT OF 12".
-ALL SITE PLANTINGS OF TREES AND SHRUBS SHALL BE ALLOWED TO REACH, AND BE MAINTAINED AT, MATURE HEIGHT; THE TOPPING OF TREES IS PROHIBITED. SHRUBS AND TREES SHALL BE PRUNED MINIMALLY AND ONLY TO SUPPORT THE OVERALL HEALTH OF THE PLANT.

## TREES TO BE REMOVED:
***CONTRACTOR TO GRIND STUMPS**

| SPECIES | SIZE | QUANTITY REMOVED |
|---|---|---|
| HOLLY | 6" | 2 TREES |
| DOGWOOD | 8" | 4 TREES |
| PINE | 15" | 1 TREE |
| PINE | 18" | 1 TREE |

COMMONWEALTH OF VIRGINIA
SCOTT W. WILEY
No. 1629
05/31/2024
LANDSCAPE ARCHITECT

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TIMMONS GROUP

REVISION DESCRIPTION

DATE

DATE 05/31/2024
DRAWN BY M. RACHNER
DESIGNED BY M. IVANCOVICH
CHECKED BY C. LY
SCALE N.A.

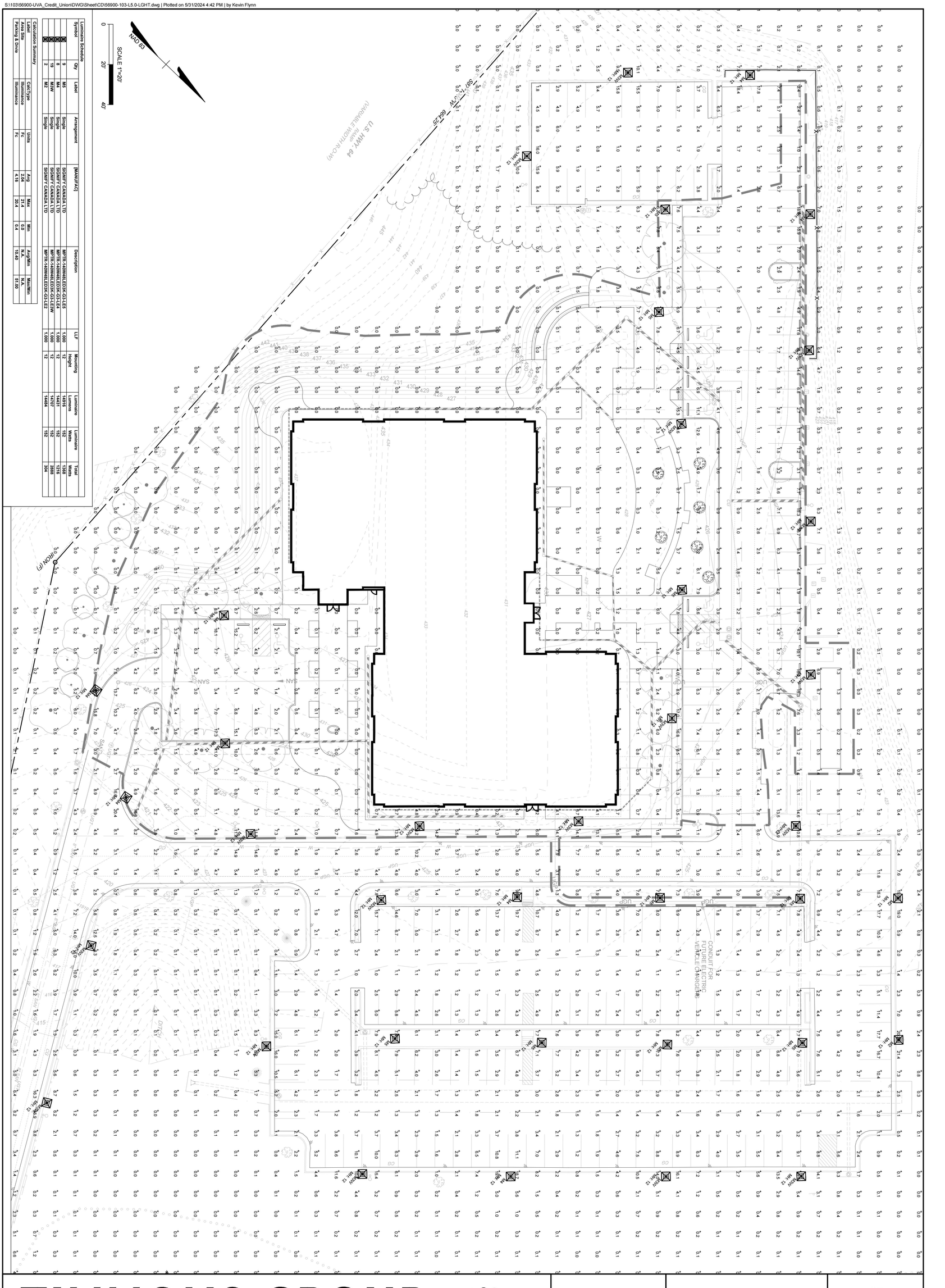
UVA CREDIT UNION
ALBEMARLE COUNTY
LANDSCAPE NOTES AND DETAILS

JOB NO. 56900
SHEET NO. L2.0

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S:\103\56900-UVA_Credit_Union\DWG\Sheet\CD\56900-103-L5.0-LGHT.dwg | Plotted on 5/31/2024 4:42 PM | by Kevin Flynn




**Luminaire Schedule**

| Symbol | Qty | Label | Arrangement | [MANUFAC] | Description | LLF | Mounting Height | Lumens | Luminaire Watts | Total Watts |
|---|---|---|---|---|---|---|---|---|---|---|
| | 9 | M5 | Single | SIGNIFY CANADA LTD | MPT85-140WKELEDSK-G3-LE5 | 1.000 | 12 | 14916 | 152 | 1368 |
| | 8 | M5W | Single | SIGNIFY CANADA LTD | MPT85-140WKELEDSK-G3-LE5W | 1.000 | 12 | 14916 | 152 | 1216 |
| | 19 | M3W | Single | SIGNIFY CANADA LTD | MPT85-140WKELEDSK-G3-LE3W | 1.000 | 12 | 14707 | 152 | 2888 |
| | 2 | M2 | Single | SIGNIFY CANADA LTD | MPT85-140WKELEDSK-G3-LE2 | 1.000 | 12 | 14484 | 152 | 304 |

**Calculation Summary**

| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
|---|---|---|---|---|---|---|---|
| Area Site | Illuminance | Fc | 2.54 | 21.4 | 0.0 | N.A. | N.A. |
| Parking & Drive | Illuminance | Fc | 4.18 | 20.4 | 0.4 | 10.48 | 51.00 |

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# UVA CREDIT UNION

ABLEMARLE COUNTY

## SITE LIGHTING AND PHOTOMETRIC PLAN

| JOB NO. | SHEET NO. | SCALE | CHECKED BY | DESIGNED BY | DRAWN BY | DATE |
|---|---|---|---|---|---|---|
| 56900 | L5.0 | 1"=20' | C. LY | M. IVANCOVICH | M. RACHNER | 05/31/2024 |

| DATE | REVISION DESCRIPTION |
|---|---|
| | |

SCOTT M. WILEY No. 1629 LANDSCAPE ARCHITECT 6/03/2024


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LUMEC
by Signify

Urban
MetroScape
MPTR Post Top



Project: VACU Albemarle
Location:
Cat.No:
Type: M3
Qty:
Notes:

Lumec **MetroScape LED** post top luminaire features flexible, robust energy-saving solutions for heritage-styled urban architectural lighting. Crowned with an ornamental hood, the post top model comes with a flat lens to highlight the thinness of the LEDs. The luminaire provides attractive lighting at night, adding appeal to the surroundings and promoting safe use of the environment. Includes Service Tag, innovative way to provide assistance throughout the life of the product.

### Ordering guide

Example: MPTC–42W32LED4K–G3–LE3–120–CDM0M25–PH8–BKTX

| | | | | | | | Options | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Series | LED module | CCT | Gen. | Optical system | Voltage | Driver | Receptical | Control | Luminaire | Decorative | Mounting | Poles/ Brackets | Finish |
| | | | G3 | | | | | | | | | | |
| **MPTR**[1]<br>**MPTRCR**<br>**MPTRRC**<br>**MPTRCC**<br>MetroScape LED post top luminaire | **35W32LED**[2]<br>**55W32LED**[2]<br>**72W32LED**<br>**97W32LED**[2]<br>**85W68LED**<br>**80W68LED**<br>**108W68LED**<br>**140W68LED**[2]<br>**70W64LED**<br>**110W64LED**<br>**90W80LED**<br>**135W80LED** | **3K** 3000K<br>**4K** 4000K | **G3** Gen 3 | **LE2** Type II (45M), flat lens<br>**LE3** Type III (90M), flat lens<br>**LE3** Type III (90M), wide flat lens<br>**LE4** Type IV (45M), flat lens<br>**LE5** Type V (90M), flat lens | **UNV** 120–277V<br>**347** 347V<br>**480** 480V | **DMG** 0–10V<br>**SRD**[1] Sensor ready driver, standard configuration<br>**SRD+**[1] Sensor ready driver, alternate configuration | **RC**[3] Receptacle for twist-lock photocell or shorting cap, 3-pin<br>**RC02**[3] Receptacle for twist-lock photocell or shorting cap, 7-pins | **HS** House Side Shield<br>**PH8** Twist-Lock Photoelectric Cell<br>**PH9** Shorting cap<br>**PH10**[4] Twist-lock Photoelectric Cell extended life, UNV (120–277VAC)<br>**RCD**[4] 5-Pin receptacle for dimming photoelectric cell<br>**RCD10**[4] 7-Pin receptacle for photoelectric cell<br>**TN3**[5] Fitter to fit over a 3" (76 mm) O.D. by 4" (102 mm) long tenon<br>**TN3.5**[5] Fitter to fit, over a 3 1/2" (89 mm) O.D. by 4" (102 mm) long tenon | **SP2** 20kV / 10kA Surge protector<br>**TN3** Fitter to fit over a 3" (76mm) O.D. by 4" (102mm) long tenon<br>**TN3.5** Fitter to fit over a 3½" (89mm) O.D. by 4" (102mm) long tenon<br>**BAC**[6] Meets the requirements of the Buy American Act of 1933 (BAA) | **FN2** Decorative finial<br>**FN3** Decorative finial<br>**FN4** Decorative finial<br>**FN8** Decorative finial<br>**FN9** Decorative finial<br>**FN10** Decorative finial<br>**FN11** Decorative finial | Consult the Signify web site for details and the complete line of Mountings | Consult the Signify web site for details and the complete line of Poles | **BE2TX**<br>**BE6TX**<br>**BE8TX**<br>**BG2TX**<br>**BKTX**<br>**BRTX**<br>**GN4TX**<br>**GN6TX**<br>**GN8TX**<br>**GNTX**<br>**GR**<br>**GY3TX**<br>**NP**<br>**RD2TX**<br>**RD4TX**<br>**TG**<br>**TS**<br>**WHTX**<br>(consult pg 4 for codes) |

1. DMG 0–10V driver come standard.
2. Not available with 347V and 480V.
3. The 347V and 480V are not available.
4. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
5. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (1) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (2) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.



## MPTR MetroScape LED Post Top

Urban Luminaire

**Dimensions**




MPTR-C

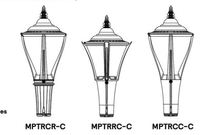
EPA: 1.97 sq ft
Weight: 31.1 lbs (14.1 kg)

**Motion Response*** (must be ordered as a separate item) Example: ACC-120-MR4PGI-BKTX

| Series | Voltage | Motion Response module | Finish |
|---|---|---|---|
| ACC | | | |
| ACC Accessory | **120** 120 V<br>**277** 277 V | **MR4PG1** Single grey<br>**MR4PG2** Double grey<br>**MR4PW1** Single white<br>**MR4PW2** Double white | Consult Lumec's Color Chart for complete specifications. |

*OVR option is required for Motion Response Accessory

**Series code logic:**
MPTR C R
- Retro fitter
- Contemporary cage
- Metroscape retro series



MPTRCR-C MPTRRC-C MPTRCC-C

### LED Wattage and Lumen Values for 3000K & 4000K fixtures with No Shield

| Ordering Code: | Total LEDs | System current (mA) | Ave. System Watts (W) | LE2 Lumen Output | LE2 Efficacy (LPW) | LE2 BUG Rating | LE3 Lumen Output | LE3 Efficacy (LPW) | LE3 BUG Rating | LE3W Lumen Output | LE3W Efficacy (LPW) | LE3W BUG Rating | LE4 Lumen Output | LE4 Efficacy (LPW) | LE4 BUG Rating | LE5 Lumen Output | LE5 Efficacy (LPW) | LE5 BUG Rating |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No Shield MPTR 3000K | | | | | | | | | | | | | | | | | | |
| **35W32LED3K-G3-x** | 32 | 350 | 36 | 3920 | 109 | B1-U0-G1 | 3948 | 110 | B1-U0-G1 | 3982 | 111 | B1-U0-G1 | 3963 | 110 | B1-U0-G1 | 4038 | 112 | B3-U0-G1 |
| **55W32LED3K-G3-x** | 32 | 530 | 54 | 5623 | 104 | B1-U0-G1 | 5662 | 105 | B1-U0-G1 | 5711 | 106 | B1-U0-G2 | 5684 | 105 | B1-U0-G2 | 5792 | 107 | B3-U0-G1 |
| **72W32LED3K-G3-x** | 32 | 700 | 68 | 7092 | 104 | B1-U0-G1 | 7142 | 105 | B1-U0-G2 | 7203 | 106 | B1-U0-G2 | 7170 | 105 | B1-U0-G2 | 7305 | 107 | B3-U0-G2 |
| **97W32LED3K-G3-x** | 32 | 1050 | 101 | 9779 | 97 | B2-U0-G2 | 9847 | 97 | B2-U0-G2 | 9932 | 98 | B2-U0-G2 | 9886 | 98 | B2-U0-G2 | 10073 | 100 | B4-U0-G2 |
| **55W48LED3K-G3-x** | 48 | 350 | 53 | 5964 | 113 | B1-U0-G1 | 6006 | 113 | B1-U0-G1 | 6058 | 114 | B1-U0-G2 | 6030 | 114 | B1-U0-G2 | 6144 | 116 | B3-U0-G1 |
| **85W48LED3K-G3-x** | 48 | 530 | 79 | 8556 | 108 | B2-U0-G2 | 8616 | 109 | B2-U0-G2 | 8691 | 110 | B2-U0-G2 | 8650 | 109 | B2-U0-G2 | 8814 | 112 | B3-U0-G2 |
| **108W48LED3K-G3-x** | 48 | 700 | 102 | 10789 | 106 | B2-U0-G2 | 10865 | 107 | B2-U0-G2 | 10959 | 107 | B2-U0-G2 | 10908 | 107 | B2-U0-G2 | 11114 | 109 | B4-U0-G2 |
| **140W48LED3K-G3-x** | 48 | 1050 | 152 | 14879 | 98 | B2-U0-G2 | 14983 | 99 | B2-U0-G2 | 15113 | 99 | B2-U0-G3 | 15042 | 99 | B2-U0-G2 | 15326 | 101 | B4-U0-G2 |
| **70W64LED3K-G3-x** | 64 | 350 | 71 | 7972 | 112 | B2-U0-G2 | 8028 | 113 | B1-U0-G2 | 8097 | 114 | B2-U0-G2 | 8060 | 114 | B1-U0-G2 | 8212 | 116 | B3-U0-G2 |
| **110W64LED3K-G3-x** | 64 | 530 | 102 | 11435 | 112 | B2-U0-G2 | 11515 | 113 | B2-U0-G2 | 11635 | 114 | B2-U0-G2 | 11560 | 113 | B2-U0-G2 | 11779 | 115 | B4-U0-G2 |
| **90W80LED3K-G3-x** | 80 | 350 | 88 | 9842 | 112 | B2-U0-G2 | 9911 | 113 | B2-U0-G2 | 9997 | 114 | B2-U0-G2 | 9950 | 113 | B2-U0-G2 | 10138 | 115 | B4-U0-G2 |
| **135W80LED3K-G3-x** | 80 | 530 | 132 | 14118 | 107 | B2-U0-G2 | 14217 | 108 | B2-U0-G2 | 14340 | 109 | B2-U0-G2 | 14273 | 108 | B2-U0-G2 | 14543 | 110 | B4-U0-G2 |
| No Shield MPTR 4000K | | | | | | | | | | | | | | | | | | |
| **35W32LED4K-G3-x** | 32 | 350 | 36 | 4116 | 114 | B1-U0-G1 | 4145 | 115 | B1-U0-G1 | 4181 | 116 | B1-U0-G1 | 4161 | 116 | B1-U0-G1 | 4240 | 118 | B3-U0-G1 |
| **55W32LED4K-G3-x** | 32 | 530 | 54 | 5904 | 109 | B1-U0-G1 | 5945 | 110 | B1-U0-G1 | 5997 | 111 | B1-U0-G2 | 5968 | 111 | B1-U0-G2 | 6082 | 113 | B3-U0-G1 |
| **72W32LED4K-G3-x** | 32 | 700 | 68 | 7447 | 110 | B1-U0-G1 | 7499 | 110 | B1-U0-G2 | 7563 | 111 | B1-U0-G2 | 7529 | 111 | B1-U0-G2 | 7670 | 113 | B3-U0-G2 |
| **97W32LED4K-G3-x** | 32 | 1050 | 101 | 10268 | 102 | B2-U0-G2 | 10339 | 102 | B2-U0-G2 | 10429 | 103 | B2-U0-G2 | 10380 | 103 | B2-U0-G2 | 10577 | 105 | B4-U0-G2 |
| **55W48LED4K-G3-x** | 48 | 350 | 53 | 6262 | 118 | B1-U0-G1 | 6306 | 119 | B1-U0-G1 | 6361 | 120 | B1-U0-G2 | 6332 | 119 | B1-U0-G2 | 6451 | 122 | B3-U0-G1 |
| **80W48LED4K-G3-x** | 48 | 530 | 79 | 8984 | 114 | B2-U0-G2 | 9047 | 115 | B2-U0-G2 | 9126 | 116 | B2-U0-G2 | 9083 | 115 | B2-U0-G2 | 9255 | 117 | B3-U0-G2 |
| **108W48LED4K-G3-x** | 48 | 700 | 102 | 11328 | 111 | B2-U0-G2 | 11408 | 112 | B2-U0-G2 | 11507 | 113 | B2-U0-G2 | 11453 | 112 | B2-U0-G2 | 11670 | 114 | B4-U0-G2 |
| **140W48LED4K-G3-x** | 48 | 1050 | 152 | 15623 | 103 | B2-U0-G2 | 15732 | 104 | B2-U0-G2 | 15869 | 104 | B2-U0-G3 | 15794 | 104 | B2-U0-G3 | 16092 | 106 | B4-U0-G2 |
| **70W64LED4K-G3-x** | 64 | 350 | 71 | 8371 | 118 | B2-U0-G2 | 8429 | 119 | B1-U0-G2 | 8502 | 120 | B2-U0-G2 | 8463 | 119 | B1-U0-G2 | 8623 | 121 | B3-U0-G2 |
| **110W64LED4K-G3-x** | 64 | 530 | 102 | 12007 | 118 | B2-U0-G2 | 12091 | 119 | B2-U0-G2 | 12196 | 120 | B2-U0-G2 | 12138 | 119 | B2-U0-G2 | 12368 | 121 | B4-U0-G2 |
| **90W80LED4K-G3-x** | 80 | 350 | 88 | 10334 | 117 | B2-U0-G2 | 10407 | 118 | B2-U0-G2 | 10497 | 119 | B2-U0-G2 | 10448 | 119 | B2-U0-G2 | 10645 | 121 | B4-U0-G2 |
| **135W80LED4K-G3-x** | 80 | 530 | 132 | 14824 | 112 | B2-U0-G2 | 14928 | 113 | B2-U0-G2 | 15057 | 114 | B2-U0-G3 | 14987 | 114 | B2-U0-G2 | 15270 | 116 | B4-U0-G2 |

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at signify.com/outdoorluminaires.
**Note:** Some data may be scaled based on tests of similar. But not identical luminaires.

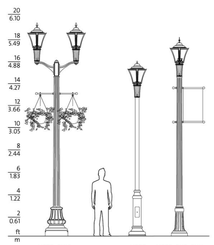


## MPTR MetroScape LED Post Top

Urban Luminaire

**Specifications** (continued)

**Poles**




**MPTR–FN10**
Pole: RTA80O–PS
Mounting: CRF–2

**MPTR**
Pole: RA61 Pole: RTA90R–BA

**MPTR–PH8–FN11**
Pole: RA90R–BA

Consult signify.com/outdoorluminaires for details and the complete line of Signify poles and brackets.

Signify

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**1 LIGHTING FIXTURE TYPE A**
NOT TO SCALE

LUMEC
by Signify

Urban
MetroScape
MPTR Post Top



Project: VACU Albemarle
Location:
Cat.No:
Type: M3W
Qty:
Notes:

Lumec **MetroScape LED** post top luminaire features flexible, robust energy-saving solutions for heritage-styled urban architectural lighting. Crowned with an ornamental hood, the post top model comes with a flat lens to highlight the thinness of the LEDs. The luminaire provides attractive lighting at night, adding appeal to the surroundings and promoting safe use of the environment. Includes Service Tag, innovative way to provide assistance throughout the life of the product.

Ordering guide

Example: MPTC–42W32LED4K–G3–LE3–120–CDM0M25–PH8–BKTX

Options

MPTR[1] MPTRCR MPTRRC MPTRCC — MetroScape LED post top luminaire
35W32LED[2] 55W32LED[2] 72W32LED 97W32LED[2] 85W68LED 80W68LED 108W68LED 140W68LED[2] 70W64LED 110W64LED 90W80LED 135W80LED
3K 3000K; 4K 4000K
G3 Gen 3
LE2 Type II (45M), flat lens; LE3 Type III (90M), flat lens; LE3 Type III (90M), wide flat lens; LE4 Type IV (45M), flat lens; LE5 Type V (90M), flat lens
UNV 120–277V; 347 347V; 480 480V
DMG 0–10V; SRD[1] Sensor ready driver, standard configuration; SRD+[1] Sensor ready driver, alternate configuration
RC[3] Receptacle for twist-lock photocell or shorting cap, 3-pin; RC02[3] Receptacle for twist-lock photocell or shorting cap, 7-pins
HS House Side Shield; PH8 Twist-Lock Photoelectric Cell; PH9 Shorting cap; PH10[4] Twist-lock Photoelectric Cell extended life, UNV (120–277VAC); RCD[4] 5-Pin receptacle for dimming photoelectric cell; RCD10[4] 7-Pin receptacle for photoelectric cell; TN3[5] Fitter to fit over a 3" (76 mm) O.D. by 4" (102 mm) long tenon; TN3.5[5] Fitter to fit, over a 3 1/2" (89 mm) O.D. by 4" (102 mm) long tenon
SP2 20kV / 10kA Surge protector; TN3 Fitter to fit over a 3" (76mm) O.D. by 4" (102mm) long tenon; TN3.5 Fitter to fit over a 3½" (89mm) O.D. by 4" (102mm) long tenon; BAC[6] Meets the requirements of the Buy American Act of 1933 (BAA)
FN2 Decorative finial; FN3 Decorative finial; FN4 Decorative finial; FN8 Decorative finial; FN9 Decorative finial; FN10 Decorative finial; FN11 Decorative finial
Consult the Signify web site for details and the complete line of Mountings
Consult the Signify web site for details and the complete line of Poles
BE2TX BE6TX BE8TX BG2TX BKTX BRTX GN4TX GN6TX GN8TX GNTX GR GY3TX NP RD2TX RD4TX TG TS WHTX (consult pg 4 for codes)

1. DMG 0–10V driver come standard.
2. Not available with 347V and 480V.
3. The 347V and 480V are not available.
4. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
5. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (1) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (2) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.



MPTR MetroScape LED Post Top

Urban Luminaire

Dimensions




MPTR-C

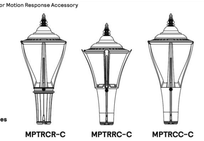
EPA: 1.97 sq ft
Weight: 31.1 lbs (14.1 kg)

Motion Response* (must be ordered as a separate item) Example: ACC-120-MR4PGI-BKTX

| Series | Voltage | Motion Response module | Finish |
|---|---|---|---|
| ACC | | | |
| ACC Accessory | **120** 120 V<br>**277** 277 V | **MR4PG1** Single grey<br>**MR4PG2** Double grey<br>**MR4PW1** Single white<br>**MR4PW2** Double white | Consult Lumec's Color Chart for complete specifications. |

*OVR option is required for Motion Response Accessory

Series code logic:
MPTR C R
- Retro fitter
- Contemporary cage
- Metroscape retro series



MPTRCR-C MPTRRC-C MPTRCC-C

LED Wattage and Lumen Values for 3000K & 4000K fixtures with No Shield

| Ordering Code: | Total LEDs | System current (mA) | Ave. System Watts (W) | LE2 Lumen Output | LE2 Efficacy (LPW) | LE2 BUG Rating | LE3 Lumen Output | LE3 Efficacy (LPW) | LE3 BUG Rating | LE3W Lumen Output | LE3W Efficacy (LPW) | LE3W BUG Rating | LE4 Lumen Output | LE4 Efficacy (LPW) | LE4 BUG Rating | LE5 Lumen Output | LE5 Efficacy (LPW) | LE5 BUG Rating |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No Shield MPTR 3000K | | | | | | | | | | | | | | | | | | |
| **35W32LED3K-G3-x** | 32 | 350 | 36 | 3920 | 109 | B1-U0-G1 | 3948 | 110 | B1-U0-G1 | 3982 | 111 | B1-U0-G1 | 3963 | 110 | B1-U0-G1 | 4038 | 112 | B3-U0-G1 |
| **55W32LED3K-G3-x** | 32 | 530 | 54 | 5623 | 104 | B1-U0-G1 | 5662 | 105 | B1-U0-G1 | 5711 | 106 | B1-U0-G2 | 5684 | 105 | B1-U0-G2 | 5792 | 107 | B3-U0-G1 |
| **72W32LED3K-G3-x** | 32 | 700 | 68 | 7092 | 104 | B1-U0-G1 | 7142 | 105 | B1-U0-G2 | 7203 | 106 | B1-U0-G2 | 7170 | 105 | B1-U0-G2 | 7305 | 107 | B3-U0-G2 |
| **97W32LED3K-G3-x** | 32 | 1050 | 101 | 9779 | 97 | B2-U0-G2 | 9847 | 97 | B2-U0-G2 | 9932 | 98 | B2-U0-G2 | 9886 | 98 | B2-U0-G2 | 10073 | 100 | B4-U0-G2 |
| **55W48LED3K-G3-x** | 48 | 350 | 53 | 5964 | 113 | B1-U0-G1 | 6006 | 113 | B1-U0-G1 | 6058 | 114 | B1-U0-G2 | 6030 | 114 | B1-U0-G2 | 6144 | 116 | B3-U0-G1 |
| **85W48LED3K-G3-x** | 48 | 530 | 79 | 8556 | 108 | B2-U0-G2 | 8616 | 109 | B2-U0-G2 | 8691 | 110 | B2-U0-G2 | 8650 | 109 | B2-U0-G2 | 8814 | 112 | B3-U0-G2 |
| **108W48LED3K-G3-x** | 48 | 700 | 102 | 10789 | 106 | B2-U0-G2 | 10865 | 107 | B2-U0-G2 | 10959 | 107 | B2-U0-G2 | 10908 | 107 | B2-U0-G2 | 11114 | 109 | B4-U0-G2 |
| **140W48LED3K-G3-x** | 48 | 1050 | 152 | 14879 | 98 | B2-U0-G2 | 14983 | 99 | B2-U0-G2 | 15113 | 99 | B2-U0-G3 | 15042 | 99 | B2-U0-G2 | 15326 | 101 | B4-U0-G2 |
| **70W64LED3K-G3-x** | 64 | 350 | 71 | 7972 | 112 | B2-U0-G2 | 8028 | 113 | B1-U0-G2 | 8097 | 114 | B2-U0-G2 | 8060 | 114 | B1-U0-G2 | 8212 | 116 | B3-U0-G2 |
| **110W64LED3K-G3-x** | 64 | 530 | 102 | 11435 | 112 | B2-U0-G2 | 11515 | 113 | B2-U0-G2 | 11635 | 114 | B2-U0-G2 | 11560 | 113 | B2-U0-G2 | 11779 | 115 | B4-U0-G2 |
| **90W80LED3K-G3-x** | 80 | 350 | 88 | 9842 | 112 | B2-U0-G2 | 9911 | 113 | B2-U0-G2 | 9997 | 114 | B2-U0-G2 | 9950 | 113 | B2-U0-G2 | 10138 | 115 | B4-U0-G2 |
| **135W80LED3K-G3-x** | 80 | 530 | 132 | 14118 | 107 | B2-U0-G2 | 14217 | 108 | B2-U0-G2 | 14340 | 109 | B2-U0-G2 | 14273 | 108 | B2-U0-G2 | 14543 | 110 | B4-U0-G2 |
| No Shield MPTR 4000K | | | | | | | | | | | | | | | | | | |
| **35W32LED4K-G3-x** | 32 | 350 | 36 | 4116 | 114 | B1-U0-G1 | 4145 | 115 | B1-U0-G1 | 4181 | 116 | B1-U0-G1 | 4161 | 116 | B1-U0-G1 | 4240 | 118 | B3-U0-G1 |
| **55W32LED4K-G3-x** | 32 | 530 | 54 | 5904 | 109 | B1-U0-G1 | 5945 | 110 | B1-U0-G1 | 5997 | 111 | B1-U0-G2 | 5968 | 111 | B1-U0-G2 | 6082 | 113 | B3-U0-G1 |
| **72W32LED4K-G3-x** | 32 | 700 | 68 | 7447 | 110 | B1-U0-G1 | 7499 | 110 | B1-U0-G2 | 7563 | 111 | B1-U0-G2 | 7529 | 111 | B1-U0-G2 | 7670 | 113 | B3-U0-G2 |
| **97W32LED4K-G3-x** | 32 | 1050 | 101 | 10268 | 102 | B2-U0-G2 | 10339 | 102 | B2-U0-G2 | 10429 | 103 | B2-U0-G2 | 10380 | 103 | B2-U0-G2 | 10577 | 105 | B4-U0-G2 |
| **55W48LED4K-G3-x** | 48 | 350 | 53 | 6262 | 118 | B1-U0-G1 | 6306 | 119 | B1-U0-G1 | 6361 | 120 | B1-U0-G2 | 6332 | 119 | B1-U0-G2 | 6451 | 122 | B3-U0-G1 |
| **80W48LED4K-G3-x** | 48 | 530 | 79 | 8984 | 114 | B2-U0-G2 | 9047 | 115 | B2-U0-G2 | 9126 | 116 | B2-U0-G2 | 9083 | 115 | B2-U0-G2 | 9255 | 117 | B3-U0-G2 |
| **108W48LED4K-G3-x** | 48 | 700 | 102 | 11328 | 111 | B2-U0-G2 | 11408 | 112 | B2-U0-G2 | 11507 | 113 | B2-U0-G2 | 11453 | 112 | B2-U0-G2 | 11670 | 114 | B4-U0-G2 |
| **140W48LED4K-G3-x** | 48 | 1050 | 152 | 15623 | 103 | B2-U0-G2 | 15732 | 104 | B2-U0-G2 | 15869 | 104 | B2-U0-G3 | 15794 | 104 | B2-U0-G3 | 16092 | 106 | B4-U0-G2 |
| **70W64LED4K-G3-x** | 64 | 350 | 71 | 8371 | 118 | B2-U0-G2 | 8429 | 119 | B1-U0-G2 | 8502 | 120 | B2-U0-G2 | 8463 | 119 | B1-U0-G2 | 8623 | 121 | B3-U0-G2 |
| **110W64LED4K-G3-x** | 64 | 530 | 102 | 12007 | 118 | B2-U0-G2 | 12091 | 119 | B2-U0-G2 | 12196 | 120 | B2-U0-G2 | 12138 | 119 | B2-U0-G2 | 12368 | 121 | B4-U0-G2 |
| **90W80LED4K-G3-x** | 80 | 350 | 88 | 10334 | 117 | B2-U0-G2 | 10407 | 118 | B2-U0-G2 | 10497 | 119 | B2-U0-G2 | 10448 | 119 | B2-U0-G2 | 10645 | 121 | B4-U0-G2 |
| **135W80LED4K-G3-x** | 80 | 530 | 132 | 14824 | 112 | B2-U0-G2 | 14928 | 113 | B2-U0-G2 | 15057 | 114 | B2-U0-G3 | 14987 | 114 | B2-U0-G2 | 15270 | 116 | B4-U0-G2 |

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at signify.com/outdoorluminaires.
**Note:** Some data may be scaled based on tests of similar. But not identical luminaires.

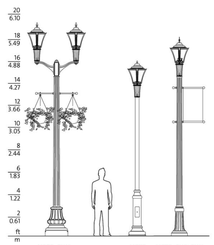


MPTR MetroScape LED Post Top

Urban Luminaire

Specifications (continued)

Poles




MPTR–FN10
Pole: RTA80O–PS
Mounting: CRF–2

MPTR
Pole: RA61 Pole: RTA90R–BA

MPTR–PH8–FN11
Pole: RA90R–BA

Consult signify.com/outdoorluminaires for details and the complete line of Signify poles and brackets.

Signify

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281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone: 800-668-9008

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MetroScape-MPTR-spec 03/24 page 5 of 5

www.lumec.com

**2 LIGHTING FIXTURE TYPE B**
NOT TO SCALE

SCOTT W. WILEY
No. 1629
05/31/2024
LANDSCAPE ARCHITECT
COMMONWEALTH OF VIRGINIA

THIS DRAWING PREPARED AT THE
**CHARLOTTESVILLE OFFICE**
608 Preston Avenue, Suite 200 | Charlottesville, VA 22903
TEL 434.295.5624 FAX 434.295.8317 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

| REVISION DESCRIPTION | DATE |
|---|---|
| | |

DATE 05/31/2024
DRAWN BY M. RACHNER
DESIGNED BY M. IVANCOVICH
CHECKED BY C. LY
SCALE N.A.

TIMMONS GROUP

UVA CREDIT UNION
ABLEMARLE COUNTY
LIGHTING CUT SHEETS

JOB NO. 56900
SHEET NO. L6.0

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LUMEC by Signify

Urban

MetroScape

MPTR Post Top



Project: VACU Albemarle
Location:
Cat.No:
Type: M4
Qty:
Notes:

Lumec **MetroScape LED** post top luminaire features flexible, robust energy-saving solutions for heritage-styled urban architectural lighting. Crowned with an ornamental hood, the post top model comes with a flat lens to highlight the thinness of the LEDs. The luminaire provides attractive lighting at night, adding appeal to the surroundings and promoting safe use of the environment. Includes Service Tag, innovative way to provide assistance throughout the life of the product.

## Ordering guide

Example: MPTC-42W32LED4K-G3-LE3-120-CDMGM25-PH8-BKTX

| | | | | | | | Options | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Series | LED module | CCT | Gen. | Optical system | Voltage | Driver | Receptical | Control | Luminaire | Decorative | Mounting | Poles/ Brackets | Finish |
| MPTR[1]<br>MPTRCR<br>MPTRRC<br>MPTRCC<br>MetroScape LED post top luminaire | 35W32LED[2]<br>65W32LED[2]<br>72W32LED<br>97W32LED[2]<br>85W48LED<br>108W48LED<br>128W48LED<br>140W48LED[2]<br>70W64LED<br>110W64LED<br>90W80LED<br>135W80LED | 3K 3000K<br>4K 4000K | G3<br>Gen3 | LE2 Type II (ASYM) flat lens<br>LE3 Type III (ASYM) flat lens<br>LE3 Type III (ASYM) wide flat lens<br>LE4 Type IV (ASYM) flat lens<br>LE5 Type V (SYMM) flat lens | UNV 120-277V<br>347 347V<br>480 480V | DMG 0-10V<br>SRD[3] Sensor ready driver, standard configuration<br>SRD1[3] Sensor ready driver, alternate configuration | RC[1] Receptacle for twist-lock photocell or shorting cap, 3-pin<br>RC07[1] Receptacle for twist-lock photocell or shorting cap, 7-pins | HS House Side Shield<br>PH8 Twist-Lock Photoelectric Cell<br>PH9 Shorting cap<br>PH9L[1] Twist-lock Photoelectric Cell extended life, UNV (120-277VAC)<br>RCD[4] 5-Pin receptacle for dimming photoelectric cell<br>RCD7[4] 7-Pin receptacle for photoelectric cell<br>TN3[1] Fitter to fit over a 3" (76 mm) O.D. by 4" (102 mm) long tenon<br>TN3.5[1] Fitter to fit over a 3-1/2" (89 mm) O.D. by 4" (102 mm) long tenon | SP2 20kV / 10kA Surge protector<br>TN3 Fitter to fit over a 3" (76mm) O.D. by 4" (102mm) long tenon<br>TN3.5 Fitter to fit over a 3½" (89mm) O.D. by 4" (102mm) long tenon<br>BAC[5] Meets the requirements of the Buy American Act of 1933 (BAA) | FN2 Decorative finial<br>FN3 Decorative finial<br>FN4 Decorative finial<br>FN8 Decorative finial<br>FN9 Decorative finial<br>FN10 Decorative finial<br>FN11 Decorative finial | Consult the Signify web site for details and the complete line of Mountings | Consult the Signify web site for details and the complete line of Poles | BE2TX<br>BE8TX<br>BE8TX<br>BG2TX<br>BK1TX<br>BR1TX<br>GN4TX<br>GN8TX<br>GN8TX<br>GN1TX<br>GR<br>GY3TX<br>NP<br>RD2TX<br>RD4TX<br>TG<br>TS<br>WH1TX (consult pg 4 for codes) |

1. DMG 0-10V driver come standard.
2. Not available with 347V and 480V.
3. The 347V and 480V are not available.
4. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
5. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.



# MPTR MetroScape LED Post Top

## Urban Luminaire

**Dimensions**




MPTR-C

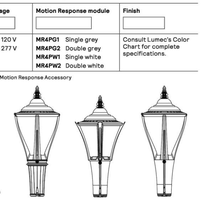
EPA: 1.97 sq ft
Weight: 31.1 lbs (14.1 kg)

**Motion Response*** (must be ordered as a separate item) Example: ACC-120-MR4PGI-BKTX

| Series | Voltage | Motion Response module | Finish |
|---|---|---|---|
| ACC | | | |
| ACC Accessory | 120 120 V<br>277 277 V | MR4PG1 Single grey<br>MR4PG2 Double grey<br>MR4PW1 Single white<br>MR4PW2 Double white | Consult Lumec's Color Chart for complete specifications. |

*OVR option is required for Motion Response Accessory

**Series code logic:**
MPTR C R
- Retro fitter
- Contemporary cage
- Metroscape retro series



MPTRCR-C MPTRRC-C MPTRCC-C

**LED Wattage and Lumen Values for 3000K & 4000K fixtures with No Shield**

| | | | | LE2 | | | LE3 | | | LE3W | | | LE4 | | | LE5 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ordering Code | Total LEDs | System current (mA) | Ave. System Watts (W) | Lumen Output | Efficacy (LPW) | BUG Rating | Lumen Output | Efficacy (LPW) | BUG Rating | Lumen Output | Efficacy (LPW) | BUG Rating | Lumen Output | Efficacy (LPW) | BUG Rating | Lumen Output | Efficacy (LPW) | BUG Rating |
| No Shield MPTR 3000K | | | | | | | | | | | | | | | | | | |
| 35W32LED3K-G3-x | 32 | 350 | 36 | 3920 | 109 | B1-U0-G1 | 3948 | 110 | B1-U0-G1 | 3982 | 111 | B1-U0-G1 | 3963 | 110 | B1-U0-G1 | 4038 | 112 | B3-U0-G1 |
| 65W32LED3K-G3-x | 32 | 530 | 54 | 5623 | 104 | B1-U0-G2 | 5662 | 105 | B1-U0-G2 | 5711 | 106 | B1-U0-G2 | 5684 | 105 | B1-U0-G2 | 5792 | 107 | B3-U0-G2 |
| 72W32LED3K-G3-x | 32 | 700 | 68 | 7092 | 104 | B1-U0-G2 | 7142 | 105 | B1-U0-G2 | 7203 | 106 | B1-U0-G2 | 7170 | 105 | B1-U0-G2 | 7305 | 107 | B3-U0-G2 |
| 97W32LED3K-G3-x | 32 | 1050 | 101 | 9779 | 97 | B2-U0-G2 | 9847 | 97 | B2-U0-G2 | 9932 | 98 | B2-U0-G2 | 9886 | 98 | B2-U0-G2 | 10073 | 100 | B4-U0-G2 |
| 59W48LED3K-G3-x | 48 | 350 | 53 | 5964 | 113 | B1-U0-G1 | 6006 | 113 | B1-U0-G1 | 6058 | 114 | B1-U0-G2 | 6030 | 114 | B1-U0-G2 | 6144 | 116 | B3-U0-G1 |
| 80W48LED3K-G3-x | 48 | 530 | 79 | 8556 | 108 | B2-U0-G2 | 8616 | 109 | B2-U0-G2 | 8691 | 110 | B2-U0-G2 | 8650 | 109 | B2-U0-G2 | 8814 | 112 | B3-U0-G2 |
| 108W48LED3K-G3-x | 48 | 700 | 102 | 10789 | 106 | B2-U0-G2 | 10865 | 107 | B2-U0-G2 | 10959 | 107 | B2-U0-G2 | 10908 | 107 | B2-U0-G2 | 11114 | 109 | B4-U0-G2 |
| 140W48LED3K-G3-x | 48 | 1050 | 152 | 14879 | 98 | B2-U0-G2 | 14983 | 99 | B2-U0-G2 | 15103 | 99 | B2-U0-G3 | 15042 | 99 | B2-U0-G2 | 15326 | 101 | B4-U0-G2 |
| 70W64LED3K-G3-x | 64 | 350 | 71 | 7972 | 112 | B2-U0-G1 | 8028 | 113 | B1-U0-G2 | 8097 | 114 | B2-U0-G2 | 8060 | 114 | B1-U0-G2 | 8212 | 116 | B3-U0-G2 |
| 110W64LED3K-G3-x | 64 | 530 | 102 | 11435 | 112 | B2-U0-G2 | 11515 | 113 | B2-U0-G2 | 11615 | 114 | B2-U0-G2 | 11560 | 113 | B2-U0-G2 | 11779 | 115 | B4-U0-G2 |
| 90W80LED3K-G3-x | 80 | 350 | 88 | 9842 | 112 | B2-U0-G2 | 9911 | 113 | B2-U0-G2 | 9997 | 114 | B2-U0-G2 | 9950 | 113 | B2-U0-G2 | 10138 | 115 | B4-U0-G2 |
| 135W80LED3K-G3-x | 80 | 530 | 132 | 14818 | 107 | B2-U0-G2 | 14217 | 108 | B2-U0-G2 | 14340 | 109 | B2-U0-G2 | 14273 | 108 | B2-U0-G2 | 14543 | 110 | B4-U0-G2 |
| No Shield MPTR 4000K | | | | | | | | | | | | | | | | | | |
| 35W32LED4K-G3-x | 32 | 350 | 36 | 4116 | 114 | B1-U0-G1 | 4145 | 115 | B1-U0-G1 | 4181 | 116 | B1-U0-G1 | 4161 | 116 | B1-U0-G1 | 4240 | 118 | B3-U0-G1 |
| 65W32LED4K-G3-x | 32 | 530 | 54 | 5904 | 109 | B1-U0-G1 | 5945 | 110 | B1-U0-G1 | 5997 | 111 | B1-U0-G2 | 5968 | 111 | B1-U0-G2 | 6082 | 113 | B3-U0-G1 |
| 72W32LED4K-G3-x | 32 | 700 | 68 | 7447 | 110 | B1-U0-G1 | 7499 | 110 | B1-U0-G2 | 7563 | 111 | B1-U0-G2 | 7529 | 111 | B1-U0-G2 | 7670 | 113 | B3-U0-G2 |
| 97W32LED4K-G3-x | 32 | 1050 | 101 | 10268 | 102 | B2-U0-G2 | 10339 | 102 | B2-U0-G2 | 10429 | 103 | B2-U0-G2 | 10380 | 103 | B2-U0-G2 | 10577 | 105 | B4-U0-G2 |
| 59W48LED4K-G3-x | 48 | 350 | 53 | 6262 | 118 | B1-U0-G2 | 6306 | 119 | B1-U0-G1 | 6361 | 120 | B1-U0-G2 | 6332 | 119 | B1-U0-G2 | 6451 | 122 | B3-U0-G1 |
| 80W48LED4K-G3-x | 48 | 530 | 79 | 8984 | 114 | B2-U0-G2 | 9047 | 115 | B2-U0-G2 | 9126 | 116 | B2-U0-G2 | 9083 | 115 | B2-U0-G2 | 9255 | 117 | B3-U0-G2 |
| 108W48LED4K-G3-x | 48 | 700 | 102 | 11328 | 111 | B2-U0-G2 | 11408 | 112 | B2-U0-G2 | 11507 | 113 | B2-U0-G2 | 11453 | 112 | B2-U0-G2 | 11670 | 114 | B4-U0-G2 |
| 140W48LED4K-G3-x | 48 | 1050 | 152 | 15623 | 103 | B2-U0-G2 | 15732 | 104 | B2-U0-G2 | 15869 | 104 | B2-U0-G3 | 15794 | 104 | B2-U0-G3 | 16092 | 106 | B4-U0-G2 |
| 70W64LED4K-G3-x | 64 | 350 | 71 | 8371 | 118 | B2-U0-G2 | 8429 | 119 | B1-U0-G2 | 8502 | 120 | B2-U0-G2 | 8463 | 119 | B1-U0-G2 | 8623 | 121 | B3-U0-G2 |
| 110W64LED4K-G3-x | 64 | 530 | 102 | 12007 | 118 | B2-U0-G2 | 12091 | 119 | B2-U0-G2 | 12196 | 120 | B2-U0-G2 | 12138 | 119 | B2-U0-G2 | 12368 | 121 | B4-U0-G2 |
| 90W80LED4K-G3-x | 80 | 350 | 88 | 10334 | 117 | B2-U0-G2 | 10407 | 118 | B2-U0-G2 | 10497 | 119 | B2-U0-G2 | 10448 | 119 | B2-U0-G2 | 10645 | 121 | B4-U0-G2 |
| 135W80LED4K-G3-x | 80 | 530 | 132 | 14824 | 112 | B2-U0-G2 | 14928 | 113 | B2-U0-G2 | 15057 | 114 | B2-U0-G3 | 14987 | 114 | B2-U0-G2 | 15270 | 116 | B4-U0-G2 |

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at signify.com/outdoorluminaires.
**Note:** Some data may be scaled based on tests of similar. But not identical luminaires.

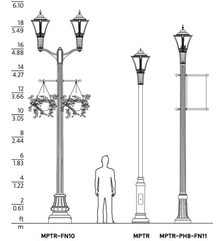


# MPTR MetroScape LED Post Top

## Urban Luminaire

**Specifications** (continued)

**Poles**




MPTR-FN10
Pole: RTA8DO-PS
Mounting: CRF-2

MPTR
Pole: RA61

MPTR-PH8-FN11
Pole: RTA9OE-BA

Consult signify.com/outdoorluminaires for details and the complete line of Signify poles and brackets.

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1 **LIGHTING FIXTURE TYPE C**
NOT TO SCALE

LUMEC by Signify

Urban

MetroScape

MPTR Post Top

Project: VACU Albemarle
Location:
Cat.No:
Type: M5
Qty:
Notes:

Lumec **MetroScape LED** post top luminaire features flexible, robust energy-saving solutions for heritage-styled urban architectural lighting. Crowned with an ornamental hood, the post top model comes with a flat lens to highlight the thinness of the LEDs. The luminaire provides attractive lighting at night, adding appeal to the surroundings and promoting safe use of the environment. Includes Service Tag, innovative way to provide assistance throughout the life of the product.

Ordering guide

Example: MPTC-42W32LED4K-G3-LE3-120-CDMGM25-PH8-BKTX

| Series | LED module | CCT | Gen. | Optical system | Voltage | Driver | Receptical | Control | Luminaire | Decorative | Mounting | Poles/ Brackets | Finish |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MPTR[1]<br>MPTRCR<br>MPTRRC<br>MPTRCC<br>MetroScape LED post top luminaire | 35W32LED[2]<br>65W32LED[2]<br>72W32LED<br>97W32LED[2]<br>85W48LED<br>108W48LED<br>128W48LED<br>140W48LED[2]<br>70W64LED<br>110W64LED<br>90W80LED<br>135W80LED | 3K 3000K<br>4K 4000K | G3<br>Gen3 | LE2 Type II (ASYM) flat lens<br>LE3 Type III (ASYM) flat lens<br>LE3 Type III (ASYM) wide flat lens<br>LE4 Type IV (ASYM) flat lens<br>LE5 Type V (SYMM) flat lens | UNV 120-277V<br>347 347V<br>480 480V | DMG 0-10V<br>SRD[3] Sensor ready driver, standard configuration<br>SRD1[3] Sensor ready driver, alternate configuration | RC[1] Receptacle for twist-lock photocell or shorting cap, 3-pin<br>RC07[1] Receptacle for twist-lock photocell or shorting cap, 7-pins | HS House Side Shield<br>PH8 Twist-Lock Photoelectric Cell<br>PH9 Shorting cap<br>PH9L[1] Twist-lock Photoelectric Cell extended life, UNV (120-277VAC)<br>RCD[4] 5-Pin receptacle for dimming photoelectric cell<br>RCD7[4] 7-Pin receptacle for photoelectric cell<br>TN3[1] Fitter to fit over a 3" (76 mm) O.D. by 4" (102 mm) long tenon<br>TN3.5[1] Fitter to fit over a 3-1/2" (89 mm) O.D. by 4" (102 mm) long tenon | SP2 20kV / 10kA Surge protector<br>TN3 Fitter to fit over a 3" (76mm) O.D. by 4" (102mm) long tenon<br>TN3.5 Fitter to fit over a 3½" (89mm) O.D. by 4" (102mm) long tenon<br>BAC[5] Meets the requirements of the Buy American Act of 1933 (BAA) | FN2 Decorative finial<br>FN3 Decorative finial<br>FN4 Decorative finial<br>FN8 Decorative finial<br>FN9 Decorative finial<br>FN10 Decorative finial<br>FN11 Decorative finial | Consult the Signify web site for details and the complete line of Mountings | Consult the Signify web site for details and the complete line of Poles | BE2TX<br>BE8TX<br>BE8TX<br>BG2TX<br>BK1TX<br>BR1TX<br>GN4TX<br>GN8TX<br>GN8TX<br>GN1TX<br>GR<br>GY3TX<br>NP<br>RD2TX<br>RD4TX<br>TG<br>TS<br>WH1TX (consult pg 4 for codes) |

1. DMG 0-10V driver come standard.
2. Not available with 347V and 480V.
3. The 347V and 480V are not available.
4. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
5. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

MetroScape-MPTR-spec 03/24 page 1 of 5

MPTR MetroScape LED Post Top

Urban Luminaire

Dimensions

MPTR-C

EPA: 1.97 sq ft
Weight: 31.1 lbs (14.1 kg)

Motion Response* (must be ordered as a separate item) Example: ACC-120-MR4PGI-BKTX

| Series | Voltage | Motion Response module | Finish |
|---|---|---|---|
| ACC | | | |
| ACC Accessory | 120 120 V<br>277 277 V | MR4PG1 Single grey<br>MR4PG2 Double grey<br>MR4PW1 Single white<br>MR4PW2 Double white | Consult Lumec's Color Chart for complete specifications. |

*OVR option is required for Motion Response Accessory

Series code logic:
MPTR C R
- Retro fitter
- Contemporary cage
- Metroscape retro series

MPTRCR-C MPTRRC-C MPTRCC-C

LED Wattage and Lumen Values for 3000K & 4000K fixtures with No Shield

| Ordering Code | Total LEDs | System current (mA) | Ave. System Watts (W) | LE2 Lumen Output | LE2 Efficacy (LPW) | LE2 BUG Rating | LE3 Lumen Output | LE3 Efficacy (LPW) | LE3 BUG Rating | LE3W Lumen Output | LE3W Efficacy (LPW) | LE3W BUG Rating | LE4 Lumen Output | LE4 Efficacy (LPW) | LE4 BUG Rating | LE5 Lumen Output | LE5 Efficacy (LPW) | LE5 BUG Rating |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| No Shield MPTR 3000K | | | | | | | | | | | | | | | | | | |
| 35W32LED3K-G3-x | 32 | 350 | 36 | 3920 | 109 | B1-U0-G1 | 3948 | 110 | B1-U0-G1 | 3982 | 111 | B1-U0-G1 | 3963 | 110 | B1-U0-G1 | 4038 | 112 | B3-U0-G1 |
| 65W32LED3K-G3-x | 32 | 530 | 54 | 5623 | 104 | B1-U0-G2 | 5662 | 105 | B1-U0-G2 | 5711 | 106 | B1-U0-G2 | 5684 | 105 | B1-U0-G2 | 5792 | 107 | B3-U0-G2 |
| 72W32LED3K-G3-x | 32 | 700 | 68 | 7092 | 104 | B1-U0-G2 | 7142 | 105 | B1-U0-G2 | 7203 | 106 | B1-U0-G2 | 7170 | 105 | B1-U0-G2 | 7305 | 107 | B3-U0-G2 |
| 97W32LED3K-G3-x | 32 | 1050 | 101 | 9779 | 97 | B2-U0-G2 | 9847 | 97 | B2-U0-G2 | 9932 | 98 | B2-U0-G2 | 9886 | 98 | B2-U0-G2 | 10073 | 100 | B4-U0-G2 |
| 59W48LED3K-G3-x | 48 | 350 | 53 | 5964 | 113 | B1-U0-G1 | 6006 | 113 | B1-U0-G1 | 6058 | 114 | B1-U0-G2 | 6030 | 114 | B1-U0-G2 | 6144 | 116 | B3-U0-G1 |
| 80W48LED3K-G3-x | 48 | 530 | 79 | 8556 | 108 | B2-U0-G2 | 8616 | 109 | B2-U0-G2 | 8691 | 110 | B2-U0-G2 | 8650 | 109 | B2-U0-G2 | 8814 | 112 | B3-U0-G2 |
| 108W48LED3K-G3-x | 48 | 700 | 102 | 10789 | 106 | B2-U0-G2 | 10865 | 107 | B2-U0-G2 | 10959 | 107 | B2-U0-G2 | 10908 | 107 | B2-U0-G2 | 11114 | 109 | B4-U0-G2 |
| 140W48LED3K-G3-x | 48 | 1050 | 152 | 14879 | 98 | B2-U0-G2 | 14983 | 99 | B2-U0-G2 | 15103 | 99 | B2-U0-G3 | 15042 | 99 | B2-U0-G2 | 15326 | 101 | B4-U0-G2 |
| 70W64LED3K-G3-x | 64 | 350 | 71 | 7972 | 112 | B2-U0-G1 | 8028 | 113 | B1-U0-G2 | 8097 | 114 | B2-U0-G2 | 8060 | 114 | B1-U0-G2 | 8212 | 116 | B3-U0-G2 |
| 110W64LED3K-G3-x | 64 | 530 | 102 | 11435 | 112 | B2-U0-G2 | 11515 | 113 | B2-U0-G2 | 11615 | 114 | B2-U0-G2 | 11560 | 113 | B2-U0-G2 | 11779 | 115 | B4-U0-G2 |
| 90W80LED3K-G3-x | 80 | 350 | 88 | 9842 | 112 | B2-U0-G2 | 9911 | 113 | B2-U0-G2 | 9997 | 114 | B2-U0-G2 | 9950 | 113 | B2-U0-G2 | 10138 | 115 | B4-U0-G2 |
| 135W80LED3K-G3-x | 80 | 530 | 132 | 14818 | 107 | B2-U0-G2 | 14217 | 108 | B2-U0-G2 | 14340 | 109 | B2-U0-G2 | 14273 | 108 | B2-U0-G2 | 14543 | 110 | B4-U0-G2 |
| No Shield MPTR 4000K | | | | | | | | | | | | | | | | | | |
| 35W32LED4K-G3-x | 32 | 350 | 36 | 4116 | 114 | B1-U0-G1 | 4145 | 115 | B1-U0-G1 | 4181 | 116 | B1-U0-G1 | 4161 | 116 | B1-U0-G1 | 4240 | 118 | B3-U0-G1 |
| 65W32LED4K-G3-x | 32 | 530 | 54 | 5904 | 109 | B1-U0-G1 | 5945 | 110 | B1-U0-G1 | 5997 | 111 | B1-U0-G2 | 5968 | 111 | B1-U0-G2 | 6082 | 113 | B3-U0-G1 |
| 72W32LED4K-G3-x | 32 | 700 | 68 | 7447 | 110 | B1-U0-G1 | 7499 | 110 | B1-U0-G2 | 7563 | 111 | B1-U0-G2 | 7529 | 111 | B1-U0-G2 | 7670 | 113 | B3-U0-G2 |
| 97W32LED4K-G3-x | 32 | 1050 | 101 | 10268 | 102 | B2-U0-G2 | 10339 | 102 | B2-U0-G2 | 10429 | 103 | B2-U0-G2 | 10380 | 103 | B2-U0-G2 | 10577 | 105 | B4-U0-G2 |
| 59W48LED4K-G3-x | 48 | 350 | 53 | 6262 | 118 | B1-U0-G2 | 6306 | 119 | B1-U0-G1 | 6361 | 120 | B1-U0-G2 | 6332 | 119 | B1-U0-G2 | 6451 | 122 | B3-U0-G1 |
| 80W48LED4K-G3-x | 48 | 530 | 79 | 8984 | 114 | B2-U0-G2 | 9047 | 115 | B2-U0-G2 | 9126 | 116 | B2-U0-G2 | 9083 | 115 | B2-U0-G2 | 9255 | 117 | B3-U0-G2 |
| 108W48LED4K-G3-x | 48 | 700 | 102 | 11328 | 111 | B2-U0-G2 | 11408 | 112 | B2-U0-G2 | 11507 | 113 | B2-U0-G2 | 11453 | 112 | B2-U0-G2 | 11670 | 114 | B4-U0-G2 |
| 140W48LED4K-G3-x | 48 | 1050 | 152 | 15623 | 103 | B2-U0-G2 | 15732 | 104 | B2-U0-G2 | 15869 | 104 | B2-U0-G3 | 15794 | 104 | B2-U0-G3 | 16092 | 106 | B4-U0-G2 |
| 70W64LED4K-G3-x | 64 | 350 | 71 | 8371 | 118 | B2-U0-G2 | 8429 | 119 | B1-U0-G2 | 8502 | 120 | B2-U0-G2 | 8463 | 119 | B1-U0-G2 | 8623 | 121 | B3-U0-G2 |
| 110W64LED4K-G3-x | 64 | 530 | 102 | 12007 | 118 | B2-U0-G2 | 12091 | 119 | B2-U0-G2 | 12196 | 120 | B2-U0-G2 | 12138 | 119 | B2-U0-G2 | 12368 | 121 | B4-U0-G2 |
| 90W80LED4K-G3-x | 80 | 350 | 88 | 10334 | 117 | B2-U0-G2 | 10407 | 118 | B2-U0-G2 | 10497 | 119 | B2-U0-G2 | 10448 | 119 | B2-U0-G2 | 10645 | 121 | B4-U0-G2 |
| 135W80LED4K-G3-x | 80 | 530 | 132 | 14824 | 112 | B2-U0-G2 | 14928 | 113 | B2-U0-G2 | 15057 | 114 | B2-U0-G3 | 14987 | 114 | B2-U0-G2 | 15270 | 116 | B4-U0-G2 |

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at signify.com/outdoorluminaires.
**Note:** Some data may be scaled based on tests of similar. But not identical luminaires.

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MPTR MetroScape LED Post Top

Urban Luminaire

Specifications (continued)

Poles



MPTR-FN10
Pole: RTA8DO-PS
Mounting: CRF-2

MPTR
Pole: RA61

MPTR-PH8-FN11
Pole: RTA9OE-BA

Consult signify.com/outdoorluminaires for details and the complete line of Signify poles and brackets.

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MetroScape-MPTR-spec 03/24 page 5 of 5

2 **LIGHTING FIXTURE TYPE D**
NOT TO SCALE

COMMONWEALTH OF VIRGINIA
SCOTT W. WILEY
No. 1629
05/31/2024
LANDSCAPE ARCHITECT

THIS DRAWING PREPARED AT THE
CHARLOTTESVILLE OFFICE
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TEL 434.295.5624 FAX 434.295.8317 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

| REVISION DESCRIPTION | DATE |
|---|---|

DATE 05/31/2024
DRAWN BY M. RACHNER
DESIGNED BY M. IVANCOVICH
CHECKED BY C. LY
SCALE N.A.

TIMMONS GROUP

UVA CREDIT UNION
ALBEMARLE COUNTY
LIGHTING CUT SHEETS

JOB NO. 56900
SHEET NO. L6.1

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