CULVER'S - BELMONT

HAWLEY AVE, BELMONT NC 28012

NOTES:

- ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS. THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.
- IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE **CONTRACTOR** MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS,
- THE APPROVAL OF THESE PLANS AND THE ISSUANCE OF THIS LAND DISTURBANCE PERMIT DOES NOT IN ANY WAY SUGGEST THAT ALL OTHER REQUIREMENTS FOR THE LEGAL OR APPROPRIATE OPERATIONS FOR THIS ACTIVITY, WHICH MAY REQUIRE ADDITIONAL PERMITTING HAVE BEEN MET. THE ONUS IS ON THE OWNER/DEVELOPER/ BUILDER TO DISCOVER WHAT ADDITIONAL PERMITTING OR APPROVALS MAY BE NECESSARY TO OPERATE FROM THIS POINT IN AN APPROPRIATE AND LEGAL MANNER. PLAN APPROVAL OR PERMIT ISSUANCE DOES NOT ABSOLVE THE APPLICANT FROM COMPLYING WITH ALL APPLICABLE



FEMA MAP

THE PROJECT SITE DOES NOT LIE WITHIN A FLOOD HAZARD AREA PER FIRM PANEL 3710359500M DATED 09/02/2015.

PROJECT CONTACTS

OWNER: SOUTHERN BENEDICTINE SOCIETY OF NORTH CAROLINA

> 100 BELMONT MT. HOLLY ROAD BELMONT, NC 28012

PHONE: 414-587-7459

CONTACT: DIMITRI DIMITROPOULOS

OLLMAN ERNEST MARTIN ARCHITECTS 200 S STATE STREET

BELVIDERE, IL 61008 PHONE: 815.544.7790

CONTACT: WENDY MARTIN, AIA, NCARB

CIVIL ENGINEER: KIMLEY-HORN & ASSOCIATES, INC.

11720 AMBER PARK DRIVE, SUITE 600 ALPHARETTA, GA 30009

PHONE: 770.545.6107 CONTACT: ALEX HENSLEY, P.E.

R.B. PHARR & ASSOCIATES, P.A.

969 E. 7TH STREET, SUITE 100 CHARLOTTE, NC 28204

PHONE: 704.376.2186 CONTACT: ANDREW B. BAKER, PLS

24-HR CONTACT: JAY CAMPBELL

ARCHITECT:

SURVEYOR:

CAMPBELL CONSTRUCTION

262.436.4760



VICINITY MAP



LAND LOT 15,16,17,18,19 - __ND DISTRICT PARCEL NO.: 214364, 214365, 214366, 221080 & 221080 EXISTING ZONING: H-C (HIGHWAY COMMERCIAL) PROPOSED ZONING: H-C (HIGHWAY COMMERCIAL) CITY OF BELMONT, GASTON COUNTY, NORTH CAROLINA

> PROPERTY AREA = 2.47 ACRES TOTAL DISTURBED AREA = 1.44 ACRES IMPERVIOUS AREA = 1.20 ACRES (48.6%) PERVIOUS AREA = 1.27 ACRES (51.4%) WATERSHED DESIGNATION: WS-IV-PA

CITY OF BELMONT CASE #: SPR2022.04 GASTON COUNTY CASE #: AP # REFERENCE: COMBINATION - AP # USACOE NATIONWIDE PERMIT #: TBD STATE BUFFER VARIANCE #: TBD

PROPERTY AREA NOTE WATERSHED DESIGNATION WS-IV-PA

PROJECT NARRATIVE:

THE PROPOSED PROJECT SCOPE CONSISTS OF A 4,334 SF CULVER'S RESTURANT. THE PROJECT INCLUDES CONSTRUCTION OF ASSOCIATED ACCESS DRIVES, SURFACE PARKING, UTILITIES, STORMWATER CONTROL MEASURE, AND LANDSCAPING TO FACILITATE THE PLANNED RESTAURANT FACILITY. THE DISTURBED AREA ON SITE IS 1.44 ACRES, AND THE TOTAL SITE AREA IS 2.47 ACRES INCLUDING PUBLIC

	Sheet List Table
Sheet Number	Sheet Title
CO-00	COVER SHEET
CO-10	SURVEY
CO-01	GENERAL NOTES
C1-00	DEMOLITION PLAN
C2-00	SITE PLAN
C2-01	HAWLEY AVE RESTRIPING PLAN
C3-00	GRADING PLAN
C3-01	DRAINAGE PLAN
C3-50	STORM SEWER PROFILES
C3-80	STORMWATER MANAGEMENT PLAN
C3-81	STORMWATER MANAGEMENT PLAN
C4-00	UTILITY PLAN
C4-50	SANITARY SEWER PROFILES
C5-10	EROSION CONTROL PLAN PHASE 1
C5-20	EROSION CONTROL PLAN PHASE 2
C5-80	EROSION CONTROL DETAILS
C5-81	EROSION CONTROL DETAILS
C5-82	EROSION CONTROL DETAILS
C5-83	EROSION CONTROL DETAILS
C5-84	EROSION CONTROL DETAILS
C6-00	CONSTRUCTION DETAILS
C6-01	CONSTRUCTION DETAILS
C6-02	CONSTRUCTION DETAILS
C6-03	CONSTRUCTION DETAILS
C6-04	CONSTRUCTION DETAILS
C6-05	CONSTRUCTION DETAILS
L1-01	LANDSCAPE PLAN
L1-02	LANDSCAPE DETAILS
L2-01	IRRIGATION PLAN
L2-02	IRRIGATION DETAILS
L2-03	IRRIGATION SPECIFICATIONS

DRAWINGS FOR THE WATER, SANITARY SEWER, STORM DRAINAGE, AND WATER QUALITY BMP IMPROVEMENTS. THESE MUST BE PREPARED BY THE DESIGN ENGINEER AND CAN BE BASED ON CONTRACTOR SUPPLIED INFORMATION. THE RECORD DRAWINGS ARE USUALLY PRODUCED BY INDICATING THE CHANGES ON THE ORIGINAL PLANS. THEY MUST SHOW ALL CHANGES TO THE LOCATION OF THE PIPELINES.

THE CITY OF BELMONT REQUIRES THE DEVELOPER TO PROVIDE AS-CONSTRUCTED RECORD

DRAWN BY DESIGNED BY

REVIEWED BY 05/23/2022 PROJECT NO. 014527000

COVER SHEET

SHEET NUMBER **C0-00**

- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY, COUNTY AND STATE REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- NO WORK WITHIN CITY OF BELMONT RIGHT OF WAY SHALL TAKE PLACE WITHOUT ALL PERMITS.
- EXISTING STRUCTURES WITHIN THE CONSTRUCTION LIMITS ARE TO BE ABANDONED. REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO ALL UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID. AREAS TO BE DISTURBED SHALL BE IMPROVED PER THE CIVIL PLANS OR RESTORED TO THEIR ORIGINAL OR BETTER CONDITION. CONTRACTOR SHALL REPAIR ANY EXISTING FEATURES THAT ARE DAMAGED DURING CONSTRUCTION TO THE EXISTING OR BETTER CONDITION.
- SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY RB PHARR & ASSOCIATES, P.A. ALL INFORMATION IS TO BE FIELD VERIFIED BY THE CONTRACTOR
- THE CONTRACTOR SHALL EMPLOY ALL NECESSARY BARRICADES, SIGNS, FENCES, FLASHING LIGHTS, TRAFFIC MEN, ETC. FOR MAINTENANCE AND PROTECTION OF TRAFFIC AS REQUIRED BY THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (CDOT).
- THE CONTRACTOR SHALL PROTECT ALL MONUMENTS, IRON PINS, AND PROPERTY CORNERS
- APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. ANY GRADING BEYOND THE LIMITS OF CONSTRUCTION AS SHOWN ON THE GRADING AND DRAINAGE PLAN WITHOUT AUTHORIZATION IS SUBJECT TO A FINE. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS AND THE CITY OF CHARLOTTE.
- CONTRACTOR AGREES TO REPAIR ANY DAMAGE TO THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE STANDARDS OF THE NCDOT AND THE CITY OF BELMONT.
- 0. ALL STANDARD NUMBERS REFER TO THE NCDOT STANDARD DETAILS AND SPECIFICATIONS AND THE LATEST EDITION OF THE NORTH CAROLINA LAND DEVELOPMENT STANDARDS MANUAL.
- . THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER ANY DISCREPANCIES FOUND BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTION PRIOR TO PROCEEDING
- 2. THE CONTRACTOR SHALL MAINTAIN EACH STREAM, CREEK, OR BACKWASH CHANNEL IN A UNOBSTRUCTED STATE AND SHALL REMOVE FROM THE CHANNEL AND BANKS OF THE STREAM ALL DEBRIS, LOGS, TIMBER, JUNK AND OTHER ACCUMULATIONS
- 13. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- 14. CONTRACTOR SHALL POST ASSIGNED BUILDING PERMIT NUMBER AND ADDRESS ON BUILDING.
- 5. IN ROLLING OR HILLY TERRAINS, SWEEPING OF THE STONE BASE AND/OR APPLICATION OF A TACK COAT MAY BE REQUIRED NEAR INTERSECTIONS. THESE REQUIREMENTS WILL BE
- 6. CONTACT THE UTILITY COMPANY TO RELOCATE ANY EXISTING UTILITY AND/OR LIGHT POLES. ALL EXISTING FACILITIES WHICH CONFLICT WITH THE IMPROVEMENTS UNDER THE SCOPE OF THIS PROJECT MUST BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR.

EROSION CONTROL NOTES

TOTAL AREA DISTURBED = 1.44 AC

ADMINISTRATOR.

LIMITS OF GRADING SHOWN ON THE PLAN ARE MAXIMUM LIMITS FOR EROSION CONTROL PURPOSES ONLY. SURVEYOR TO DETERMINE ACTUAL LIMIT.

CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CITY OF BELMONT.

ESTABLISHED BY THE INSPECTOR AND BASED ON FIELD CONDITIONS.

ALL "STD." NUMBERS REFER TO THE BELMONT LAND DEVELOPMENT STANDARDS MANUAL AND THE CITY OF BELMONT STANDARD DETAILS AND SPECIFICATIONS.

ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING

ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.

GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.

ALL AREAS MUST BE SEEDED AND MULCHED WITHIN 14 CALENDAR DAYS. REFER TO EROSION

CONTROL ORDINANCE FOR ADDITIONAL REQUIREMENTS.

ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE CITY ENGINEERING DEPARTMENT.

SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. FILL SLOPES GREATER THAN 10' REQUIRE

ADEQUATE TERRACING (CLDSM #30.16)

A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT

DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE-CONSTRUCTION MEETING.

DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER, HIS REPRESENTATIVE, OR THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.

EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE NORTH CAROLINA SEDIMENTATION POLLUTION CONTROL ACT OF 1973, THE LOCAL JURISDICTIONAL AGENCY, THE APPROVED EROSION CONTROL PERMIT, AND THESE PLANS AND SPECIFICATIONS.

SUFFICIENT EROSION CONTROL PRACTICES MUST BE INSTALLED AND MAINTAINED TO RETAIN SEDIMENT WITHIN THE BOUNDARIES OF THE SITE. ALL DISTURBED AREAS SHALL BE NONEROSIVE AND SHALL BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT AND ALL SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE. SLOPES SHALL BE STABILIZED WITHIN 7 CALENDAR DAYS.

THE SEDIMENT TRAPS AND DIVERSION DITCHES SHALL BE CLEANED OUT WHEN THE STORAGE CAPACITY HAS BEEN APPROXIMATELY 50% FILLED. GRAVEL SHALL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY.

ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSPECTED WEEKLY AND AFTER EVERY 0.5 INCH RAINFALL EVENT, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. NEEDED REPAIRS SHALL BE MADE IMMEDIATELY. SUBMIT WRITTEN REPORT WITH EACH INSPECTION TO THE OWNER.

SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCING WHEN IT BECOMES 6-INCHES DEEP AT THE FENCE. THE FENCING WILL BE REPAIRED AS NECESSARY TO MAINTAIN SUFFICIENT BARRIER.

ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO THE PLANS AND SPECIFICATIONS TO MAINTAIN A VIGOROUS. DENSE VEGETATIVE COVER.

ALL DRAINAGE SWALES MUST BE GRASSED AND RIP-RAP MUST BE REPLACED AS REQUIRED TO CONTROL EROSION. RIP-RAP WILL CONSIST OF 50 TO 125 POUND STONES PLACED AT ALL HEADWALLS, AND WHERE NOTED ON CONSTRUCTION DRAWINGS. (SEE DETAIL SHEET FOR OUTFALL PIPE SIZE CHART)

ADDITIONAL EROSION CONTROL MEASURES OR SILT BARRIERS TO BE PLACED AS DIRECTED BY THE LOCAL JURISDICTIONAL INSPECTOR.

- WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE: THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY BUILDING OR OTHER EXCAVATION SPOIL DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC., FROM THE DRAINAGE AREA SHOWN HEREON IN A EXPEDITIOUS MANNER AS
- CONSTRUCTION PROGRESSES THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE THESE IMMEDIATELY UPON NOTIFICATION BY THE LOCAL JURISDICTIONAL INSPECTOR
- FOR ALL CONSTRUCTION ALONG AND/OR ACROSS WATERWAYS, BANK PROTECTION AND

STABILIZATION SHALL BE REQUIRED AS PER LOCAL JURISDICTIONAL EROSION CONTROL LAWS.

ALL TREE PROTECTION AND EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCING CONSTRUCTION AND SHALL BE MAINTAINED IN PROPER WORKING ORDER UNTIL ALL DISTURBED AREAS ARE STABILIZED AND GROUND COVER IS ESTABLISHED. CONSTRUCTION ENTRANCE PADS SHALL BE INSTALLED BY THE CONTRACTOR AT CONSTRUCTION ACCESS POINTS PRIOR TO LAND DISTURBANCE.

THE CONTRACTOR SHALL KEEP A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT ON SITE WHENEVER LAND DISTURBING ACTIVITY IS IN PROGRESS.

INSTALL SILT FENCE ALONG THE DOWNSTREAM SIDE OF ALL PROPOSED CUT AND FILL CONSTRUCTION AND AS INDICATED ON PLANS.

A TEMPORARY DIVERSION SWALE MAY BE USED IN LIEU OF SILT FENCE WHERE RUNOFF CAN BE DIRECTED TO A TEMPORARY SEDIMENT TRAP.

GROUND STABILIZATION

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM REQUIRED MAINTENANCE OF ALL EROSION THE FOLLOWING "CONSTRUCTION SEQUENCE" IS FURNISHED AS A GENERAL GUIDE FOR AND SEDIMENT CONTROL DEVICES TO ENSURE THEIR FUNCTION AT ALL TIMES. PREPARATION OF A SEQUENCE OF CONSTRUCTION EVENTS. ADDITIONS DELETIONS AND

EROSION CONTROL NOTES - (continued)

STONE EQUAL TO THAT OF THE ORIGINAL APPLICATION.

CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION

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

BEEN PUSHED INTO THE SOIL BY CONSTRUCTION TRAFFIC, IT SHALL BE REPLACED WITH A DEPTH OF

PERFORM A FINAL DEMUCKING OF ALL SEDIMENT CONTROL DEVICES BEFORE DEMOBILIZATION.

PRIOR TO CLEARING AND EARTHWORK ACTIVITIES THE CONTRACTOR SHALL HAVE A

PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF CHARLOTTE INSPECTOR; INSTALL

EROSION CONTROL DEVICES SPECIFIED AND AS INDICATED ON THE DRAWINGS, AND THEN

CONTRACTOR SHALL ADJUST, RELOCATE AND/OR REINSTALL AS APPLICABLE ALL EROSION

SILT FENCE SHALL BE MAINTAINED AROUND THE PERIMETER OF ALL EARTHWORK AREAS TO PREVENT SEDIMENT TRANSPORT ONTO ADJACENT PROPERTIES OR OFFSITE ROADWAYS, AS

SILT FENCE FILTER BARRIERS SHALL BE INSTALLED AND MAINTAINED UNTIL CONSTRUCTION IS

THE CONTRACTOR SHALL IMMEDIATELY CLEANUP AND REPAIR ALL EROSION DAMAGE AFTER

ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSPECTED WEEKLY AND AFTER

DISCOVERY AND REINSTALL ADEQUATE CONTROL MEASURES AS NECESSARY TO PREVENT

EVERY 0.5 INCH RAINFALL EVENT, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. NEEDED

REPAIRS SHALL BE MADE IMMEDIATELY. SUBMIT WRITTEN REPORT WITH EACH INSPECTION

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF

OF THE SITE HAS BEEN TEMPORARILY OR PERMANENTLY CEASED. CONTRACTOR SHALL

CONSTRUCTION POINT OF ACCESS TO LIMIT DEPOSITS OF EARTH AND OTHER HAULED

MATERIALS ONTO THE ADJACENT LOT. THE CONTRACTOR SHALL ROUTINELY CLEAN ALL

GRADE SLOPES AND FILLS - THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO

GREATER THAN THE ANGLE WHICH CAN BE RETAINED BY VEGETATIVE COVER OR OTHER

ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. IN ANY EVENT, SLOPES LEFT

GROUND COVER - WHENEVER LAND DISTURBING ACTIVITY IS UNDERTAKEN ON A TRACT

UNCOVERED, A GROUND COVER SUFFICIENT TO RESTRAIN EROSION MUST BE PLANTED OR

OTHERWISE PROVIDED WITHIN 15 WORKING DAYS ON THAT PORTION OF THE TRACT UPON

LOOSE ROCKS, ROOTS, AND OTHER OBSTRUCTION SHALL BE REMOVED FROM THE SURFACE

IF NO SOIL TEST IS TAKEN, FERTILIZER AND LIME ACCORDING TO SEEDING SPECIFICATIONS.

VEGETATION. SURFACE FOR FINAL SEEDBED PREPARATION, AT FINISH GRADES SHOWN, SHALL

COMPRISING MORE THAN ONE (1) ACRE, IF MORE THAN ONE CONTIGUOUS ACRE IS

SO THAT THEY WILL NOT INTERFERE WITH ESTABLISHMENT AND MAINTENANCE OF

IF SOIL TEST IS TAKEN, PROVIDE LIME AND FERTILIZER ACCORDING TO SOIL TEST REPORT.

I) SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING

i) ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND AU SLOPES STEEPER THAN 3

HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION

ii) ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION

WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS

i) EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER

ii) ALL SLOPES 50' IN LENGTH OR GREATER SHALL APPLY THE GROUND COVER WITHIN 7 DAYS

iii) ANY SLOPED AREA FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER

v) ALTHOUGH STABILIZATION IS USUALLY SPECIFIED AS GROUND COVER, OTHER METHODS, SUCH

vi) FOR PORTIONS OF PROJECTS WITHIN THE SEDIMENT CONTROL COMMISSION-DEFINED "HIGH

vii) PORTIONS OF A SITE THAT ARE LOWER IN ELEVATION THAN ADJACENT DISCHARGE LOCATIONS

QUALITY WATER ZONE" (I5A NCAC 04A. 0105), STABILIZATION WITH GROUND COVER SHALL BE

ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS OF THE SITE WITHIN 7

AND ARE NOT EXPECTED TO DISCHARGE DURING CONSTRUCTION MAY BE EXEMPT FROM THE

TEMPORARY GROUND COVER REQUIREMENTS IF IDENTIFIED ON THE APPROVED E&SC PLAN OR

2) CONDITIONS - IN MEETING THE STABILIZATION REQUIREMENTS ABOVE, THE FOLLOWING

EXCEPT WHEN THE SLOPE IS FLATTER THAN 4:1. SLOPES LESS THAN 50' SHALL APPLY

GROUNDCOVER WITHIN 14 DAYS EXCEPT WHEN SLOPES ARE STEEPER THAN 3:1, THE 7

iv) SLOPES 10' OR LESS IN LENGTH SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER

REQUIREMENT EXCEPT WHEN THE SLOPE IS STEEPER THAN 2:1.

CALENDAR DAYS FROM THE LAST LAND DISTURBING ACT.

ADDED BY THE PERMITTING AUTHORITY.

AS CHEMICAL STABILIZATION, MAY BE ALLOWED ON A CASE-BY-CASE BASIS.

OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE.

WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS

ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING

LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY AND MIXED WITH THE SOIL DURING

WHICH FURTHER ACTIVE CONSTRUCTION IS NOT BEING UNDERTAKEN.

SURFACE WATER CONTROL MEASURES TO BE INSTALLED ACCORDING TO PLAN.

EXPOSED SHALL, WITHIN 14 WORKING DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH GROUND COVER, DEVICES, OR STRUCTURES

SEDIMENT DEPOSITS AND DEBRIS FROM ROADWAY AS THEY OCCUR.

THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED,

BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION

INSTALL TEMPORARY GRAVEL DRIVEWAY AT EACH CONSTRUCTION ENTRANCE AS SHOWN ON

OBTAIN AN APPROVED GRADING PERMIT. DURING EACH PHASE OF SITE CONSTRUCTION THE

SEDIMENT AND EROSION CONROL PROCEDURES

CONTROL DEVICES AND SEDIMENT DISCHARGE FROM THE SITE.

COMPLETE AND LANDSCAPING IS INSTALLED.

SEEDBED PREPARATION NOTES

SUFFICIENT TO RESTRAIN EROSION.

BE REASONABLY SMOOTH AND UNIFORM.

GROUND STABILIZATION

FROM THE LAST LAND-DISTURBING ACTIVITY.

FROM THE LAST LAND-DISTURBING ACTIVITY.

DAY-REQUIREMENT APPLIES.

REQUIREMENT.

REOCCURRENCE OF DAMAGE

TO THE OWNER.

- MODIFICATIONS SHOULD BE MADE AS APPROPRIATE. SET UP A ON-SITE PRE-CONSTRUCTION CONFERENCE WITH EROSION CONTROL INSPECTOR OF THE CITY ENGINEERING DEPARTMENT TO DISCUSS EROSION CONTROL MEASURES. FAILURE TO SCHEDULE SUCH CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING
- THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL ACTIVITY IS A VIOLATION OF CHAPTER 17 OF THE CITY CODE AND IS SUBJECT TO FINE. AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. INSTALL TEMPORARY CONSTRUCTION ENTRANCES, SILT FENCE, INLET PROTECTION, AND WHEN A CRUSHED STONE CONSTRUCTION ENTRANCE HAS BEEN COVERED WITH SOIL OR OR HAS OTHER MEASURES AS SHOWN ON PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE

APPROPRIATE STAGES OF CONSTRUCTION.

ANY PHASE OF GRADING.

- CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES THE CONTRACTOR TO PROTECT THE EXISTING EXPOSED SANITARY SEWER MANHOLES AT ALL TIMES GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN
 - THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL
 - BEGIN EARTHWORK/GRADING/DEMOLITION ACTIVITIES. BEGIN ASPHALT MILLING. BEGIN GRADING OF FILL SLOPES. MAINTAIN AND VERTICALLY ADJUST SILT FENCE THROUGHOUT GRADING ACTIVITIES TO MAINTAIN DRAINAGE PATTERNS TO TEMPORARY SILT FENCE.
 - CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE CITY ENGINEER AND CITY INSPECTOR PRIOR TO ANY NEW PAVEMENT ACTIVITY IN ORDER FOR CITY STAFF TO OBSERVE
 - SITE CONDITION PRIOR TO PAVING. DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE CITY INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE PERFORMED AT
 - GRADED SLOPES AND FILLS ARE TO BE PLANTED OR PROVIDED WITH PROTECTIVE COVER SUFFICIENT TO RESTRAIN EROSION WITHIN 14 CALENDAR DAYS AFTER THE COMPLETION OF
 - AS CONSTRUCTION PROGRESSES, INSTALL PERMANENT EROSION CONTROL MEASURES SUCH
 - AS RIP RAP APRONS, VELOCITY DISSIPATERS, CHANNEL LINERS, GRAVEL BASE COURSE, ETC.
 - STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
 - COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURE.
 - ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL. CITY OF CHARLOTTE EROSION CONTROL ORDINANCE. AND THE CHARLOTTE LAND DEVELOPMENT STANDARDS

GRADING NOTES

- THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEERS SPECIFICATIONS. CONTRACTOR TO FOLLOW GEOTECHNICAL EVALUATION REPORT. FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
- THE CONTRACTOR SHALL COORDINATE WITH THE GEOTECHNICAL ENGINEER FOR APPROPRIATE SLOPE STABILIZATION ON ALL SLOPES STEEPER THAN 3:1.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR BLASTING ROCK IF BLAST ROCK IS ENCOUNTERED. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL BLASTING AND SAFETY REQUIREMENTS
- 5. ALL CUT OR FILL SLOPES SHALL BE 2:1 OR FLATTER UNLESS OTHERWISE NOTED.
- 6. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1 FOOT.
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
- ALL PROPOSED CONTOURS AND SPOT ELEVATIONS REFLECT FINISHED GRADES.
- ALL ELEVATIONS ARE IN REFERENCE TO THE BENCHMARK, AND THIS MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO GROUND BREAKING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UTILITIES, AND SHALL REPAIR ALL DAMAGE TO EXISTING UTILITIES THAT OCCUR DURING CONSTRUCTION.
- 1. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING
- 12. LIMITS OF CLEARING SHOWN ON GRADING AND DRAINAGE PLAN ARE BASED UPON THE APPROXIMATE CUT AND FILL SLOPE LIMITS, OR OTHER GRADING REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL SHEETING. SHORING BRACING AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET OSHA, FEDERAL STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS. THE DESIGN ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE DESIGN(S) TO
- . THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE ANY DEWATERING AND MOISTURE CONDITIONING NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE PLANS.
- GRADES, ELEVATIONS AND LOCATIONS SHOWN ARE APPROXIMATE. AS DIRECTED BY THE ENGINEER. THEY MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN CONDITIONS. STATIONS. OFFSETS AND ELEVATIONS REFER TO THE CENTER OF DROP INLETS, MANHOLES AND JUNCTION BOXES, AND THE MIDPOINT OF THE LIP FOR CATCH BASINS.
- ANY CONSTRUCTION OR USE WITHIN THE AREAS DELINEATED AS FLOODWAY DISTRICT FRINGE BOUNDARY LINE OR FLOODWAY DISTRICT ENCROACHMENT BOUNDARY LINE IS SUBJECT TO THE RESTRICTIONS IMPOSED BY THE FLOODWAY REGULATIONS OF THE CITY OF CHARLOTTE.
- ALL DEVELOPMENT CREATING A TOTAL OF 20,000 SQUARE FEET OF IMPERVIOUS AREA SINCE SEPTEMBER 1978 WILL REQUIRE STORM DRAINAGE DETENTION.

UTILITY NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR HORIZONTALLY AND VERTICALLY LOCATING AND PROTECTING ALL PUBLIC OR PRIVATE UTILITIES (SHOWN OR NOT SHOWN) WHICH LIE IN OR ADJACENT TO THE CONSTRUCTION SITE. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL CONTACT NORTH CAROLINA 811 (NC811) AT 811 OR (800)632-4949 TO COORDINATE FOR THE IDENTIFICATION OF EXISTING UTILITIES WITHIN THE SITE.
- SHOULD ANY UNCHARTED OR INCORRECTLY CHARTED UTILITIES BE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE OWNER IMMEDIATELY FOR DIRECTIONS.
- CONTRACTOR SHALL COORDINATE ANY INTERRUPTION OF UTILITY SERVICE WITH OWNER AND RESPECTIVE UTILITY COMPANY REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL NOTIFY THE UTILITY PROVIDER FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE PROJECT SITE.
- ANY PLANNED INTERRUPTION OF UTILITY SERVICE SHALL BE GIVEN A 48 HOUR NOTICE TO THE UTILITY COMPANY AND THE OWNER.
- CONTRACTOR SHALL SAW CUT, REMOVE, AND REPLACE ASPHALT PAVEMENT AS NECESSARY TO INSTALL UNDERGROUND ELECTRIC, TELEPHONE, SEWER, WATER, AND COMMUNICATION
- ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL POWER COMPANY

CITY OF BELMONT: - GENERAL NOTES

- THE CITY OF BELMONT WILL PROVIDE PART TIME INSPECTION SERVICES FOR IMPROVEMENTS THAT ARE TO BECOME PUBLICLY MAINTAINED. THE DESIGN PROFESSIONAL AND CONTRACTOR SHALL PROVIDE ADEQUATE NOTIFICATION AND COORDINATION IT ENSURE ALL IMPROVEMENTS ARE INSPECTED DURING CONSTRUCTION.
- REGULAR WORKING HOURS ARE DEFINED AS 8 HOURS PER DAY BETWEEN THE HOURS OF 7:00 AM AND 7:00 PM, MONDAY THROUGH FRIDAY, EXCLUDING CITY OF BELMONT HOLIDAYS. IF THE CONTRACTOR INTENDS TO WORK OTHER THAN REGULAR WORKING HOURS, HE SHALL SUBMIT A WRITTEN REQUEST TO THE CITY INSPECTOR NOT LESS THAN 48 HOURS PRIOR TO ANY PROPOSED WEEKEND WORK OR SCHEDULED EXTENDED WORK WEEKS.
- CONTRACTOR SHALL REIMBURSE THE CITY OF BELMONT FOR ADDITIONAL INSPECTION COSTS INCURRED AS A RESULT OF OVERTIME WORK IN EXCESS OF THE REGULAR WORKING HOURS STIPULATED IN NOTE 2. OVERTIME COSTS FOR CITY PERSONNEL SHALL BE \$75 PER HOUR.
- 4. CONSTRUCTION MATERIALS AND METHODS SHALL BE GOVERNED BY THE CURRENT CITY OF BELMONT LAND DEVELOPMENT STANDARDS MANUAL AND THE DESIGN PROFESSIONAL'S PROFESSIONALS WRITTEN SPECIFICATIONS. REQUEST FOR ANY VARIANCES TO THESE STANDARDS SHALL BE SUBMITTED TO AND REVIEWED BY DESIGN PROFESSIONAL. DESIGN PROFESSIONAL SHALL THEN MAKE FORMAL SUBMITTALS TO THE CITY FOR OFFICIAL APPROVAL. CONSTRUCTION WHICH DOES NOT CONFORM TO THE LAND DEVELOPMENT STANDARDS MANUAL WILL BE REJECTED.
- SHOP DRAWINGS AND MATERIAL SPECIFICATION SHEETS SHALL BE SUBMITTED TO THE DESIGN PROFESSIONAL FOR APPROVAL. CONTRACTOR SHALL AFFIX A STAMP TO EACH SHOP DRAWING OR MATERIALS SPECIFICATION SHEET STATING THAT HE APPROVES THE ITEM AS MEETING THE DESIGN PROFESSIONAL SPECIFICATIONS. THE STAMP SHALL INCLUDE CONTRACTOR NAME APPROVAL, AND IT MUST BE SIGNED AND DATED BY THE CONTRACTOR. THE DESIGN PROFESSIONAL WILL REVIEW AND APPROVE THESE DOCUMENTS PRIOR TO SUBMITTAL TO THE CITY FOR FINAL ACCEPTANCE. THE DESIGN PROFESSIONAL SHALL AFFIX HIS COMPANY'S STAMP AND SIGN EACH SUBMITTAL ITEM.
- UPON FINAL APPROVAL OF THE PLANS BY THE CITY OF BELMONT, GASTON NATURAL RESOURCES DEPARTMENT, NCDENR DIVISION OF WATER QUALITY, NCDENR PUBLIC WATER SUPPLY DIVISION, AND NCDOT AS APPLICABLE, THE DESIGN PROFESSIONAL SHALL SUBMIT COPIES OF ALL PERMITS ISSUED TO THE BELMONT CITY ENGINEER. AFTER RECEIPT AND VERIFICATION OF THESE APPROVALS, THE DESIGN PROFESSIONAL AND DEVELOPER MAY REQUEST A PRECONSTRUCTION MEETING WITH CITY STAFF. THIS MEETING IS MANDATORY AND MUST BE ARRANGED THROUGH THE CITY ENGINEER. IN ATTENDANCE AT THE MEETING SHALL BE THE DEVELOPER, THE GENERAL CONTRACTOR, PRIMARY SUBCONTRACTORS, AND THE DESIGN PROFESSIONAL. THE DESIGN PROFESSIONAL SHALL PROVIDE THE FOLLOWING MATERIALS WITH HIS REQUEST FOR THIS MEETING:
- A. ALL APPLICABLE PERMIT APPROVALS (3 COPIES).
- B. FINAL CONSTRUCTION PLANS AND SPECIFICATIONS, CLEARLY NOTED AS RELEASED FOR CONSTRUCTION "RELEASED FOR CONSTRUCTION" (3 FULL SIZED COPIES AND ONE HALF SIZE
- C. SHOP DRAWING SUBMITTALS FOR ALL MATERIALS TO BE INCORPORATED INTO THE PUBLIC IMPROVEMENTS. THE SHOP DRAWINGS SHALL HAVE BEEN REVIEWED BY THE DESIGN PROFESSIONAL AND STAMPED AS "APPROVED" (4 COPIES).
- D. LIST OF ALL PARTIES INVOLVED WITH THE DESIGN AND CONSTRUCTION OF THE PROJECT, INCLUDING THE DEVELOPER AND PROJECT OWNER. LIST SHALL INCLUDE AUTHORIZED REPRESENTATIVE FOR EACH ENTITY AND FULL CONTACT INFORMATION INCLUDING ADDRESSES, 24-HOUR CELL PHONE NUMBERS, EMAIL ADDRESSES, ETC. (3 COPIES).
- CONTRACTOR MUST OBTAIN A GRADING PERMIT FROM THE BELMONT PLANNING DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION. THE CITY WILL NOT ISSUE THIS PERMIT UNTIL ALL OFF-SITE EASEMENTS HAVE BEEN OBTAINED AND RECORDED. ALL OTHER PERMITS HAVE BEEN OBTAINED WITH COPIES DELIVERED TO THE CITY ENGINEER, AND A PRECONSTRUCTION MEETING HELD. BEGINNING WORK ON THE SITE PRIOR TO THE ISSUANCE OF THE GRADING PERMIT WILL SUBJECT THE CONTRACTOR TO FINES AND OTHER REMEDIES PRESCRIBED IN BELMONT AND GASTON COUNTY ORDINANCES AND CODES.
- RECORD DRAWINGS MUST BE PROVIDED IN PAPER AND DIGITAL FORMAT (AUTOCAD AND ADOBE PDF) OF THE WATER, SANITARY SEWER, AND DRAINAGE SYSTEMS. THE RECORD DRAWINGS FOR THIS PROJECT MUST INCLUDE SPECIFIC INFORMATION REGARDING THE LOCATION OF:
- A. WATER MAINS, WATER SERVICE TAPS ON THE MAIN, VALVES, AND FIRE HYDRANTS.
- SANITARY SEWERS, MANHOLES, SEWER SERVICE TAPS ON THE SEWER C. STORM SEWERS, MANHOLES, CATCH BASINS, SUBSURFACE DRAINS.
- D. DETENTION AND WATER QUALITY FACILITIES INCLUDING FIELD VERIFICATION OF BASIN
- E. ALL EXISTING BURIED UTILITIES ENCOUNTERED DURING CONSTRUCTION.
- F. ROCK IF ENCOUNTERED DURING CONSTRUCTION.
- CONSTRUCTION FOR THE PLACEMENT AND COMPACTION OF FILL DIRT SHALL BE CONTROLLED AND TESTED BY A CERTIFIED GEOTECHNICAL ENGINEER. THE CITY OF BELMONT ASSUMES NO LIABILITY OR RESPONSIBILITY REGARDING THE FILLING OF THE PARCEL. FILLS IN RIGHTS OF WAY WILL BE MONITORED BY THE CITY INSPECTOR. THE DESIGN PROFESSIONAL SHALL SUBMIT COMPACTION TESTING RESULTS TO THE CITY INSPECTOR AS VERIFICATION THAT SPECIFIED COMPACTION IS ACHIEVED.
- 10. ANY SPRINGS DISCOVERED DURING CONSTRUCTION OF THE IMPROVEMENTS MUST BE ACCOMMODATED BY THE EXTENSION OF THE STORM DRAINAGE SYSTEM TO PREVENT WATER FROM FLOWING OVER PUBLIC SIDEWALKS, CURBS, AND PAVEMENTS. THESE EXTENSIONS SHALL BE INCLUDED ON THE RECORD DRAWINGS.
- . NO TREES MAY BE REMOVED FROM THE SITE WITHOUT FIRST IDENTIFYING TREES TO REMAIN IN THE FIELD WITH YELLOW FLAGGING. TREE PROTECTION FENCING IS REQUIRED BY CITY CODE.
- 12. THE CITY OF BELMONT DOES NOT GUARANTEE WATER VOLUME AND WATER DISTRIBUTION SYSTEM PRESSURE.
- 13. CLEARANCES BETWEEN SEWER, WATER, AND STORM PIPES HAVE BEEN CHECKED IN DETAIL BY THE DESIGN PROFESSIONAL. FIELD CHANGES FOR CROSSING CONFLICTS MUST BE SUBMITTED WITH REVISED PLANS BY THE DESIGN PROFESSIONAL AND MUST BE APPROVED BY THE CITY PRIOR TO ANY CONSTRUCTION MODIFICATIONS.

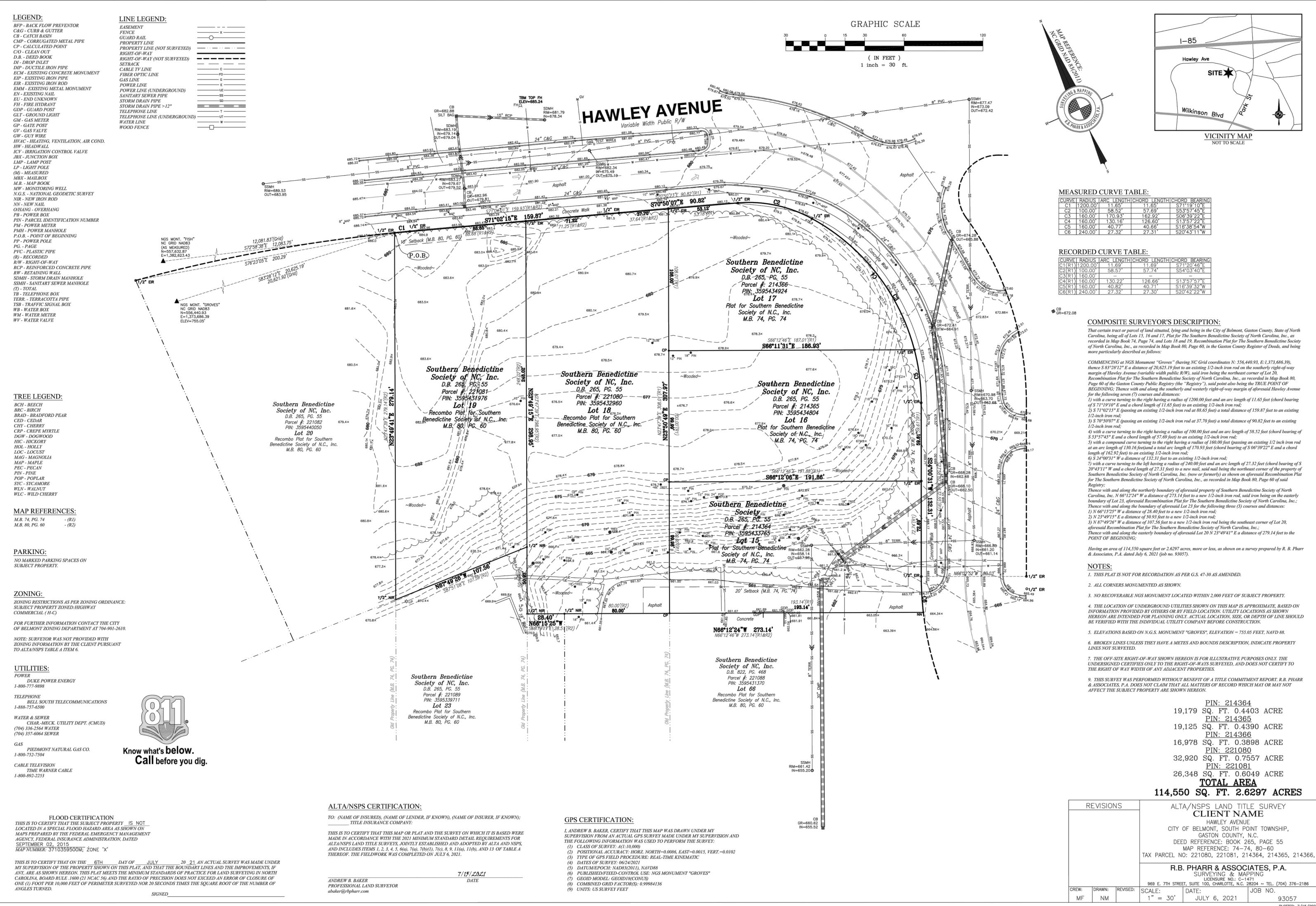
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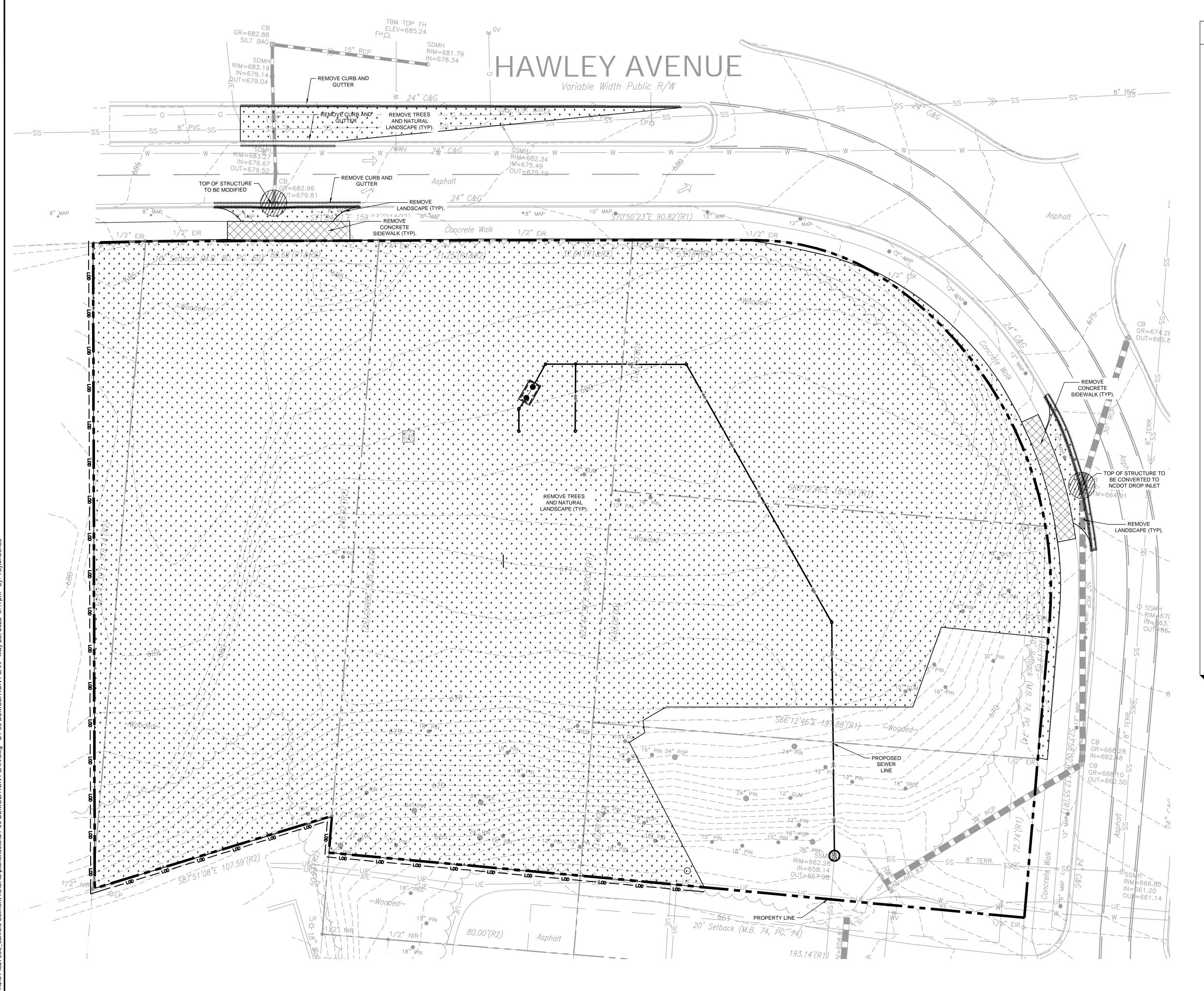


DRAWN BY **DESIGNED BY REVIEWED BY** 05/23/2022 PROJECT NO. 014527000

GENERAL NOTES

C0-01





DEMOLITION NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- 3. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT. CONTRACTOR SHALL NOT DEMOLISH ANYTHING OUTSIDE THE OWNERS LEASE/PROPERTY LINE UNLESS SPECIFICALLY MENTIONED ON THIS SHEET.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- 5. IF DEMOLITION OR CONSTRUCTION ON SITE WILL INTERFERE WITH THE ADJACENT PROPERTY OWNER'S TRAFFIC FLOW, THE CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNER, TO MINIMIZE THE IMPACT ON TRAFFIC FLOW. TEMPORARY RE-ROUTING OF TRAFFIC IS TO BE ACCOMPLISHED BY USING FDOT APPROVED TRAFFIC BARRICADES, BARRELS, AND/OR CONES. TEMPORARY SIGNAGE AND FLAGMEN MAY BE ALSO NECESSARY.
- CONTRACTOR SHALL BEGIN CONSTRUCTION OF ANY LIGHT POLE BASES FOR RELOCATED LIGHT FIXTURES AND RELOCATION OF ELECTRICAL SYSTEM AS SOON AS DEMOLITION BEGINS. CONTRACTOR SHALL BE AWARE THAT INTERRUPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED 24 HOURS.
- EROSION CONTROL MUST BE ESTABLISHED PRIOR TO ANY WORK ON SITE INCLUDING DEMOLITION.
- 8. THE EXTENT OF SITE DEMOLITION WORK IS AS SHOWN ON THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIN.
- 9. CONTRACTOR MUST RECEIVE APPROVAL FROM CIVIL ENGINEER AND GEOTECHNICAL ENGINEER FOR THE MATERIAL TYPE AND USE IF CONTRACTOR DESIRES TO REUSE DEMOLISHED SITE PAVEMENT AS STRUCTURAL FILL.
- 10. EXISTING UTILITIES, WHICH DO NOT SERVICE STRUCTURES BEING DEMOLISHED, ARI TO BE KEPT IN SERVICE AND PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS. CONTRACTOR SHALL ARRANGE FOR SHUT-OFF OF UTILITIES SERVING STRUCTURES TO BE DEMOLISHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTING, AND SEALING INDICATED UTILITIES BEFORE STARTING DEMOLITION OPERATIONS. EXISTING UTILITIES TO BE ABANDONED ARE TO BE CAPPED AT BOTH ENDS AND FILLED WITH FA-1 OR APPROVED EQUAL. ALL UNDERGROUND UTILITIES TO BE REMOVED ARE TO BE BACKFILLED WITH ENGINEERED FILL OR SELECT EXCAVATED MATERIAL, AS APPROVED BY THE GEOTECHNICAL ENGINEER. TO 95% OF MODIFIED PROCTOR DENSITY WITHIN PAVED AREAS AND TO 90% OF MODIFIED PROCTOR DENSITY FOR GREEN SPACE AREAS, IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS. ALL PRIVATE UTILITIES (ELECTRIC, CABLE, TELEPHONE, FIBER OPTIC, GAS) SHALL BE REMOVED AND RELOCATED PER THE UTILITY OWNER AND THE LOCAL MUNICIPALITY'S REQUIREMENTS.
- UNDERGROUND UTILITIES SHOWN ARE BASED ON ATLASES AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR SHOULD CALL 811 TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY. CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. UTILITY PROTECTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY OWNER AND AS DIRECTED BY THE GOVERNING MUNICIPALITY DAMAGED CABLES/CONDUITS SHALL BE REPLACED IMMEDIATELY. ALL EXISTING STRUCTURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED IN-KIND AND THEIR REPLACEMENT COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. PROPER NOTIFICATION TO THE OWNERS OF THE EXISTING UTILITIES SHALL BE MADE AT LEAST 48 HOURS BEFORE CONSTRUCTION COMMENCES.
- 12. USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO THE LOWEST LEVEL. COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. SEE EROSION CONTROL SHEETS FOR FURTHER EROSION CONTROL REQUIREMENTS.
- 13. COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES TO THE FINAL LINES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. BACKFILL MATERIAL SHALL BE FDOT APPROVED CRUSHED LIMESTONE OR APPROVED EQUAL. USE SATISFACTORY SOIL MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. PRIOR TO PLACEMENT OF FI MATERIALS, ENSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROST, FROZEN MATERIAL, TRASH AND DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 9" IN LOOSE DEPTH. COMPACT EACH LAYER AT OPTIMUM MOISTURE CONTENT OF FILL MATERIAL TO 95% OF MODIFIED PROCTOR DENSITY UNLESS SUBSEQUENT EXCAVATION FOR NEW WORK IS

DEMOLITION LEGEND

ITEM TO REMAIN, PROTECT DURING CONSTRUCTION

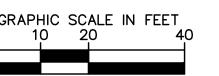
NATURAL LANDSCAPE REMOVAL

FULL-DEPTH ASPHALT PAVEMENT REMOVAL

CONCRETE REMOVAL

──── UTILITY REMOVAL SAWCUT LINE





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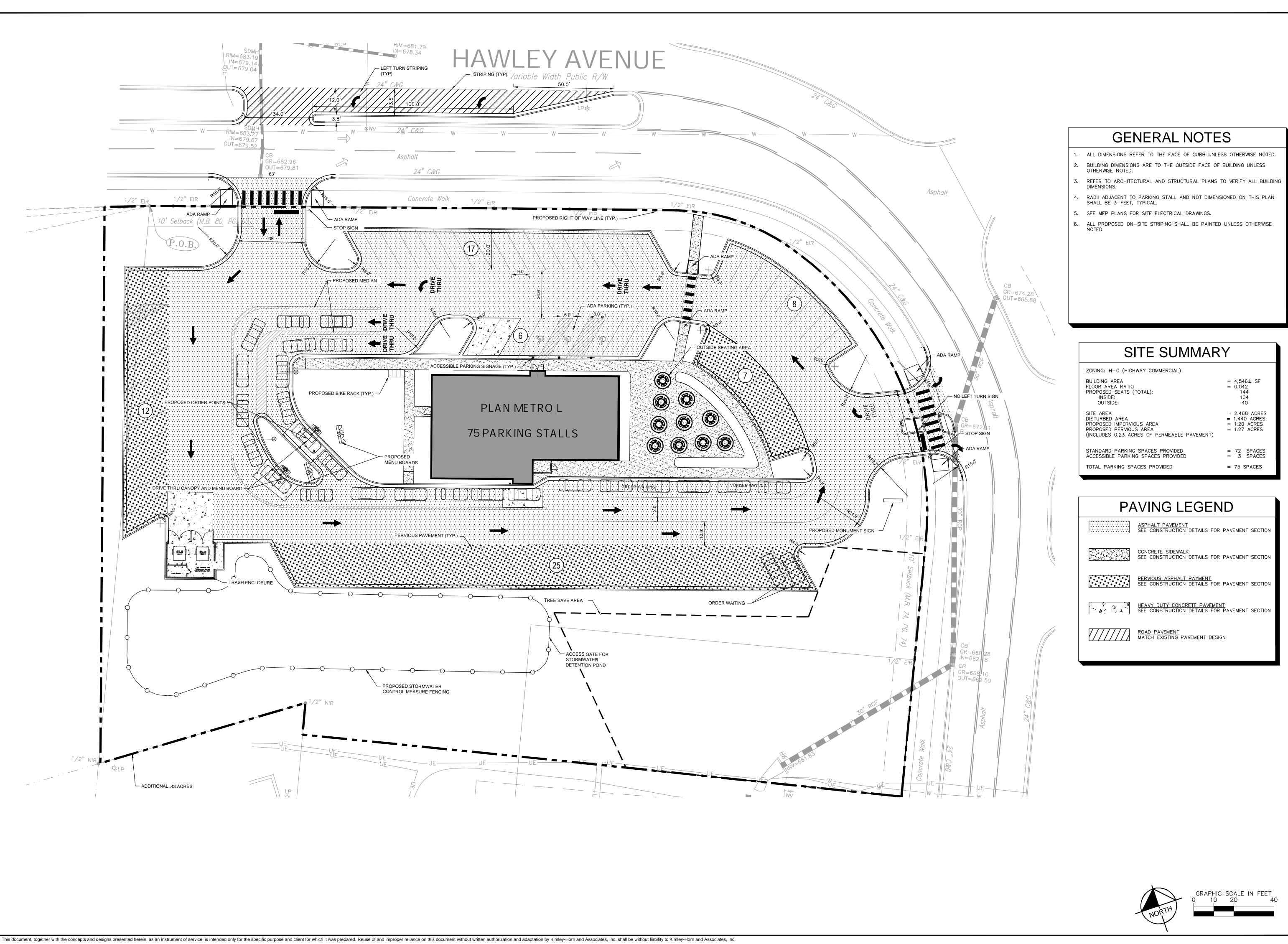
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REVIEWED BY 05/23/202 PROJECT NO. 01452700'

DEMOLITION PLAN

C1-00

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GENERAL NOTES

- BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.

- 6. ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE

SITE SUMMARY

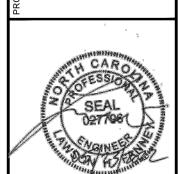
ZONING: H-C (HIGHWAY COMMERCIAL) $= 4,546 \pm SF$ = 0.042144 104 SITE AREA
DISTURBED AREA
PROPOSED IMPERVIOUS AREA
PROPOSED PERVIOUS AREA
(INCLUDES 0.23 ACRES OF PERMEABLE PAVEMENT) = 2.468 ACRES = 1.440 ACRES = 1.20 ACRES = 1.27 ACRES = 72 SPACES = 3 SPACES

PAVING LEGEND

= 75 SPACES

ASPHALT PAVEMENT
SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION CONCRETE SIDEWALK
SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION PERVIOUS ASPHALT PAYMENT
SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION

ROAD PAVEMENT
MATCH EXISTING PAVEMENT DESIGN



DESIGNED BY REVIEWED BY 05/23/2022

SITE PLAN

PROJECT NO. 014527000

C2-00

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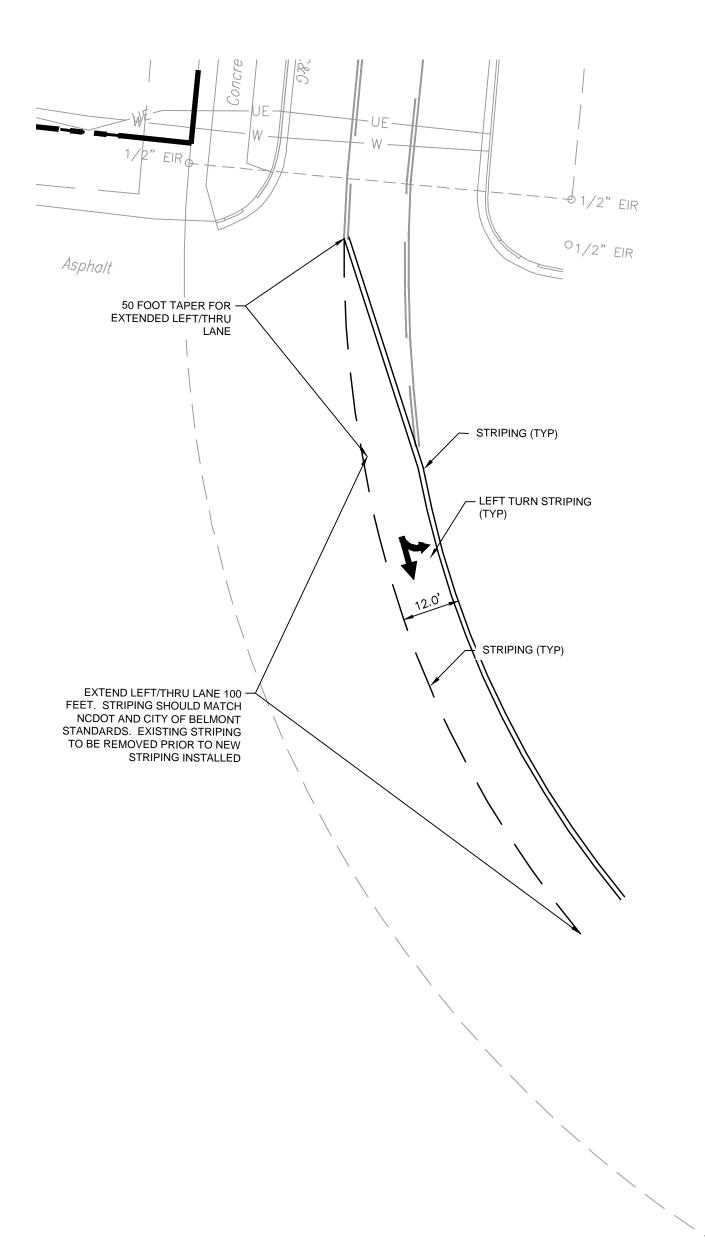
REVIEWED BY

SA

DATE 05/23/2022
PROJECT NO. 014527000
TITLE
HAWI FY AVF

HAWLEY AVE RESTRIPING PLAN

C2-01



GENERAL NOTES

- ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
 BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
- 3. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING
- 4. RADII ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3—FEET, TYPICAL.
- 5. SEE MEP PLANS FOR SITE ELECTRICAL DRAWINGS.
- 6. ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE

SITE SUMMARY

ZONING: H-C (HIGHWAY COMMERCIAL)

BUILDING AREA FLOOR AREA RATIO SITE AREA DISTURBED AREA = 4,546± SF = 0.042 = 2.468 ACRES = 1.440 ACRES = 1.20 ACRES = 1.27 ACRES

> = 73 SPACES = 3 SPACES

= 76 SPACES

PROPOSED IMPERVIOUS AREA PROPOSED PERVIOUS AREA (INCLUDES 0.23 ACRES OF PERMEABLE PAVEMENT)

STANDARD PARKING SPACES PROVIDED ACCESSIBLE PARKING SPACES PROVIDED

ACCESSIBLE PARKING SPACES PROVIDED
TOTAL PARKING SPACES PROVIDED

PAVING LEGEND

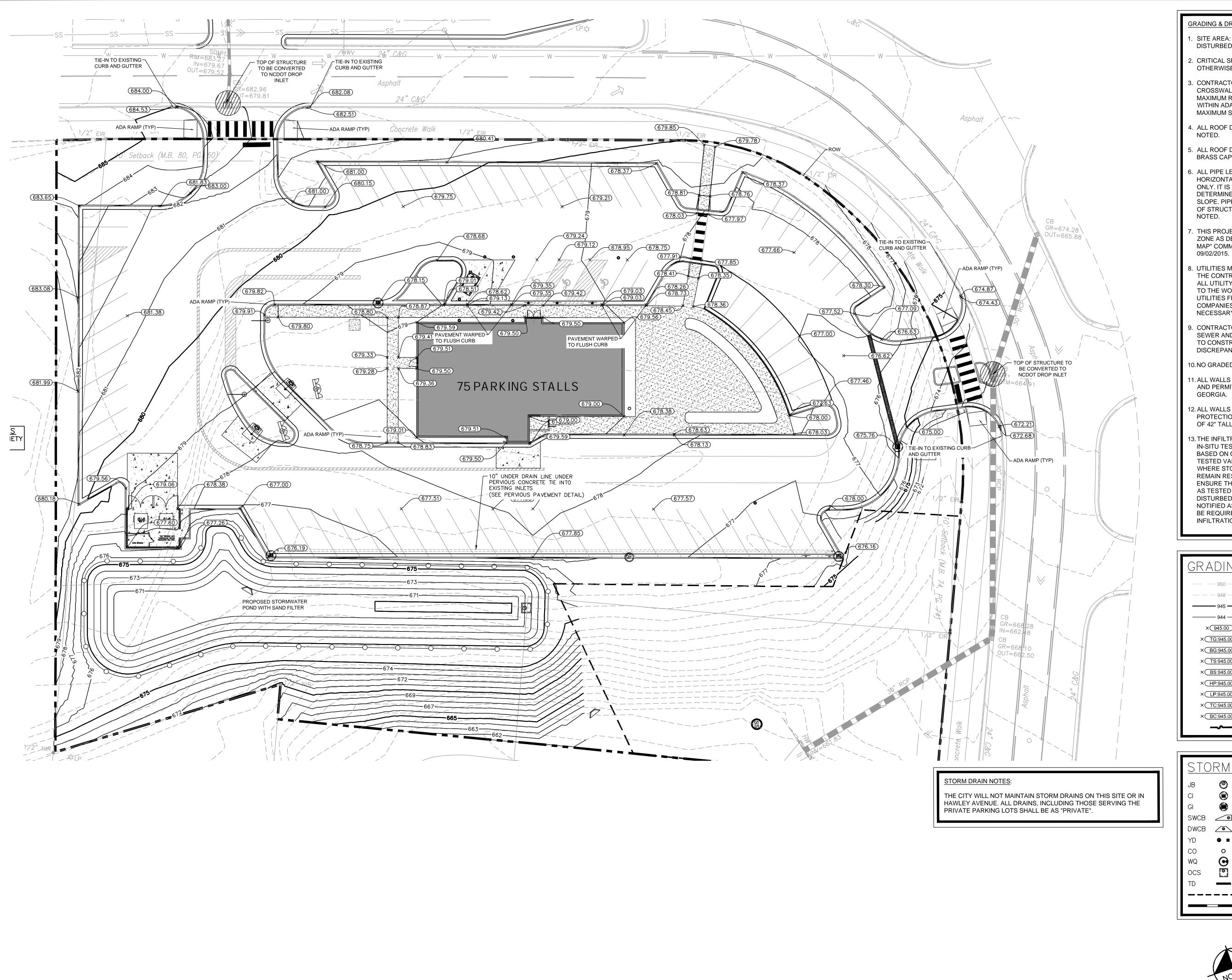
ASPHALT PAVEMENT
SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION

CONCRETE SIDEWALK
SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION

PERVIOUS ASPHALT PAYMENT
SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION

HEAVY DUTY CONCRETE PAVEMENT
SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION

ROAD PAVEMENT
MATCH EXISTING PAVEMENT DESIGN



GRADING & DRAINAGE NOTES:

- 1. SITE AREA: 2.47 ACRES
- DISTURBED AREA: 1.44 ACRES
- 2. CRITICAL SPOT GRADES ARE TO PAVEMENT GRADE UNLESS OTHERWISE NOTED.
- 3. CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS AND CROSSWALKS WITH A 2.0% MAXIMUM CROSS SLOPE AND A 5.0% MAXIMUM RUNNING SLOPE, UNLESS NOTED AS A RAMP. GRADES WITHIN ADA HANDICAP PARKING AREAS NOT TO EXCEED A 2% MAXIMUM SLOPE IN ANY DIRECTION.
- 4. ALL ROOF DRAIN PIPING SHALL BE PVC UNLESS OTHERWISE
- 5. ALL ROOF DRAIN CLEANOUTS IN PAVED AREAS SHALL HAVE A BRASS CAP SET FLUSH WITH THE PROPOSED GRADE.
- 6. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE
- 7. THIS PROJECT <u>DOES NOT</u> LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. "FLOOD HAZARD BOUNDARY MAP" COMMUNITY PANEL NUMBER 3710359500M, DATED
- 8. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
- CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER AND STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.

10.NO GRADED SLOPE SHALL EXCEED 2H:1V

- 11. ALL WALLS GREATER THAN 30" IN HEIGHT SHALL BE DESIGNED AND PERMITTED BY AN ENGINEER LICENSED IN THE STATE OF GEORGIA.
- 12. ALL WALLS GREATER THAN 30" IN HEIGHT SHALL HAVE FALL PROTECTION THROUGH FENCING OR HANDRAIL AT A MINIMUM OF 42" TALL. REFERENCE LANDSCAPE PLANS FOR DETAILS.
- 13. THE INFILTRATION FOR THE STORMWATER SYSTEM IS BASED ON IN-SITU TESTING BY GEOTECHNICAL ENGINEER. THE SYSTEM IS BASED ON OBTAINING INFILTRATION RATES SIMILAR TO THE TESTED VALUES PRE-CONSTRUCTION. AS SUCH, THE AREAS WHERE STORMWATER IS DIRECTED TO INFILTRATE ARE TO REMAIN RESIDUAL SOILS AND COMPACTION IS TO BE LIMITED TO ENSURE THE SOIL CHARACTERISTICS CONTINUE TO FUNCTION AS TESTED PRE-CONSTRUCTION. IF THESE AREAS ARE DISTURBED, COMPACTED, OR FILLED, THE ENGINEER IS TO BE NOTIFIED AS ADDITIONAL TESTING AND COORDINATION WOULD BE REQUIRED TO ENSURE THE PREVIOUSLY RECORDED INFILTRATION RATES CAN BE ACHIEVED.

GRADING LEGEND:

	<u> </u>	<u> </u>
	950	EXISTING MAJOR CONTOUR
	— — — 948 — — —	EXISTING MINOR CONTOUR
	945 ———	PROPOSED MAJOR CONTOUR
	944	PROPOSED MINOR CONTOUR
	×(945.00)	PROPOSED SPOT GRADE
	× TG:945.00	PROPOSED TOP GRADE AT WALL
	× BG:945.00	PROPOSED BOTTOM GRADE AT WALL
	× TS:945.00	PROPOSED TOP OF STAIR GRADE
	× BS:945.00	PROPOSED BOTTOM OF STAIR GRADE
	× HP:945.00	PROPOSED HIGH POINT GRADE
	× LP:945.00	PROPOSED LOW POINT GRADE
	× TC:945.00	PROPOSED TOP OF CURB GRADE
	× BC:945.00	PROPOSED BOTTOM OF CURB GRADE
- 1		

STORM DRAINAGE LEGEND:

JUNCTION BOX

HOODED GRATE CURB INLET (GDOT 1019A, TYPE E GRATE INLET (GDOT 10191A, TYPE A) SWCB SINGLE WING CATCH BASIN (GDOT 1033D)

DRAINAGE FLOW ARROW

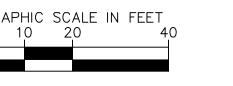
DWCB OUBLE WING CATCH BASIN (GDOT 1034D) YARD DRAIN (NDS CATCH BASIN OR COMPARABLE)

O CLEAN OUT WATER QUALITY DEVICE

OUTLET CONTROL STRUCTURE (CAST-IN-PLACE) TRENCH DRAIN

— — — — PROPOSED ROOF DRAIN PIPE PROPOSED STORM PIPE





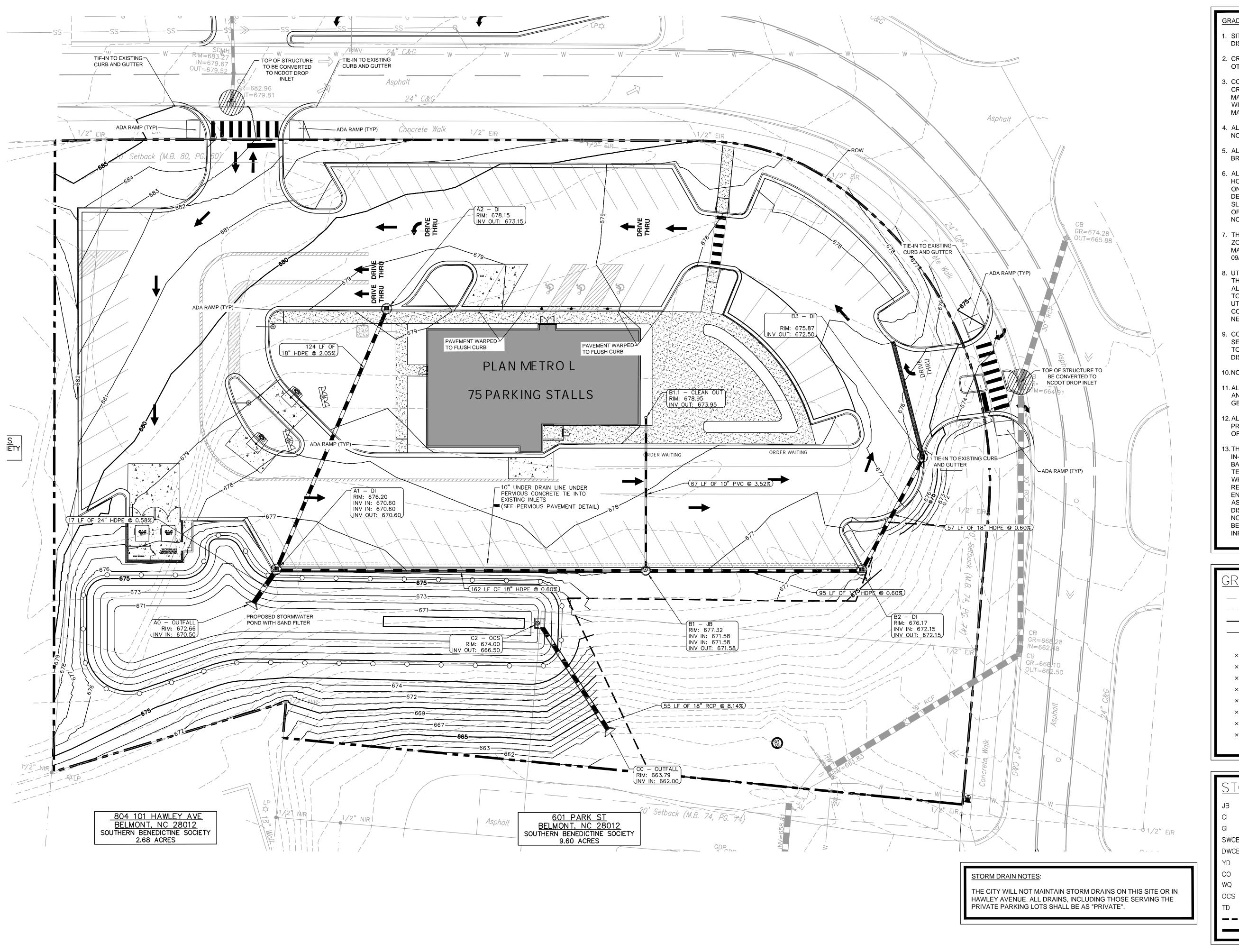


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REVIEWED BY 05/23/2022 PROJECT NO. 014527000

GRADING PLAN

SHEET NUMBER C3-00



GRADING & DRAINAGE NOTES:

- 1. SITE AREA: 2.47 ACRES
- DISTURBED AREA: 1.44 ACRES
- 2. CRITICAL SPOT GRADES ARE TO PAVEMENT GRADE UNLESS OTHERWISE NOTED.
- 3. CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS AND CROSSWALKS WITH A 2.0% MAXIMUM CROSS SLOPE AND A 5.0% MAXIMUM RUNNING SLOPE, UNLESS NOTED AS A RAMP. GRADES WITHIN ADA HANDICAP PARKING AREAS NOT TO EXCEED A 2% MAXIMUM SLOPE IN ANY DIRECTION.
- 4. ALL ROOF DRAIN PIPING SHALL BE PVC UNLESS OTHERWISE
- 5. ALL ROOF DRAIN CLEANOUTS IN PAVED AREAS SHALL HAVE A BRASS CAP SET FLUSH WITH THE PROPOSED GRADE.
- 6. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE
- 7. THIS PROJECT <u>DOES NOT</u> LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. "FLOOD HAZARD BOUNDARY MAP" COMMUNITY PANEL NUMBER 3710359500M, DATED 09/02/2015.
- 8. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
- CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER AND STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
- 10.NO GRADED SLOPE SHALL EXCEED 2H:1V
- 11. ALL WALLS GREATER THAN 30" IN HEIGHT SHALL BE DESIGNED AND PERMITTED BY AN ENGINEER LICENSED IN THE STATE OF GEORGIA.
- 12. ALL WALLS GREATER THAN 30" IN HEIGHT SHALL HAVE FALL PROTECTION THROUGH FENCING OR HANDRAIL AT A MINIMUM OF 42" TALL. REFERENCE LANDSCAPE PLANS FOR DETAILS.
- 13. THE INFILTRATION FOR THE STORMWATER SYSTEM IS BASED ON IN-SITU TESTING BY GEOTECHNICAL ENGINEER. THE SYSTEM IS BASED ON OBTAINING INFILTRATION RATES SIMILAR TO THE TESTED VALUES PRE-CONSTRUCTION. AS SUCH, THE AREAS WHERE STORMWATER IS DIRECTED TO INFILTRATE ARE TO REMAIN RESIDUAL SOILS AND COMPACTION IS TO BE LIMITED TO ENSURE THE SOIL CHARACTERISTICS CONTINUE TO FUNCTION AS TESTED PRE-CONSTRUCTION. IF THESE AREAS ARE DISTURBED, COMPACTED, OR FILLED, THE ENGINEER IS TO BE NOTIFIED AS ADDITIONAL TESTING AND COORDINATION WOULD BE REQUIRED TO ENSURE THE PREVIOUSLY RECORDED INFILTRATION RATES CAN BE ACHIEVED.

<u>GRADING LEGEND:</u>

		_ _
	950	EXISTING MAJOR CONTOUR
	— — — 948 — — —	EXISTING MINOR CONTOUR
	945 ———	PROPOSED MAJOR CONTOUR
	944	PROPOSED MINOR CONTOUR
	× 945.00	PROPOSED SPOT GRADE
	× TG:945.00	PROPOSED TOP GRADE AT WALL
	× BG:945.00	PROPOSED BOTTOM GRADE AT WALL
	× TS:945.00	PROPOSED TOP OF STAIR GRADE
	× BS:945.00	PROPOSED BOTTOM OF STAIR GRADE
	× HP:945.00	PROPOSED HIGH POINT GRADE
	× LP:945.00	PROPOSED LOW POINT GRADE
	× TC:945.00	PROPOSED TOP OF CURB GRADE
	× BC:945.00	PROPOSED BOTTOM OF CURB GRADE
- 1	-	

STORM DRAINAGE LEGEND:

(8) JUNCTION BOX HOODED GRATE CURB INLET (GDOT 1019A, TYPE E

GRATE INLET (GDOT 10191A, TYPE A) SINGLE WING CATCH BASIN (GDOT 1033D) DOUBLE WING CATCH BASIN (GDOT 1034D)

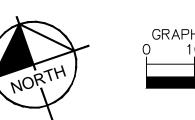
YARD DRAIN (NDS CATCH BASIN OR COMPARABLE) CLEAN OUT

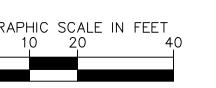
DRAINAGE FLOW ARROW

WATER QUALITY DEVICE

OUTLET CONTROL STRUCTURE (CAST-IN-PLACE) TRENCH DRAIN

— — — — PROPOSED ROOF DRAIN PIPE PROPOSED STORM PIPE





SHEET NUMBER C3-01

PROJECT NO. 014527000

DRAINAGE PLAN

05/23/2022

05/23/2022

DRAWN BY

DESIGNED BY

REVIEWED BY

SITE NOTES

SITE AREA: 2.47 ACRES DISTURBED AREA: 1.44 ACRES IMPERVIOUS AREA: 1.20 ACRES PERVIOUS AREA: 1.27 ACRES EXISTING LOTS: 5 PROPOSED LOTS: 1 BUILDING AREA: 4342 SF

WATERSHED DISTRICT DESIGNATION: WS-IV-PA

GRADING & DRAINAGE NOTES:

- CRITICAL SPOT GRADES ARE TO PAVEMENT GRADE UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS AND CROSSWALKS WITH A 2.0% MAXIMUM CROSS SLOPE AND A 5.0% MAXIMUM CROSS SLOPE AND A 5.0% MAXIMUM RUNNING SLOPE. UNLESS NOTED AS A RAMP. GRADES WITHIN ADA HANDICAP PARKING AREAS NOT TO EXCEED A 2% MAXIMUM SLOPE IN ANY DIRECTION.
- . ALL ROOF DRAIN PIPING SHALL BE PVC UNLESS OTHERWISE
- . ALL ROOF DRAIN CLEANOUTS IN PAVED AREAS SHALL HAVE A BRASS CAP SET FLUSH WITH THE PROPOSED GRADE.
- . ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS ASSED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERW
- THIS PROJECT <u>DOES NOT</u> LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. "FLOOD HAZARD BOUNDARY MAP' COMMUNITY PANEL NUMBER 3710359500M, DATED 09/02/2015.
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- CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITAR'S EWER AND STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. ON TRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
- NO GRADED SLOPE SHALL EXCEED 2H:1V
- 10. ALL WALLS GREATER THAN 30° IN HEIGHT SHALL BE DESIGNED AND PERMITTED BY AN ENGINEER LICENSED IN THE STATE OF GEORGIA.
- 1. ALL WALLS GREATER THAN 30" IN HEIGHT SHALL HAVE FALL PROTECTION THROUGH FENCING OR HANDRAIL AT A MINIMUM OF 42" TALL. REFERENCE LANDSCAPE PLANS FOR DETAILS.

<u>GRADING LEGEND:</u>

EXISTING MAJOR CONTOUR EXISTING MINOR CONTOUR PROPOSED MAJOR CONTOUR - PROPOSED MINOR CONTOUR ×(845.00) PROPOSED SPOT GRADE XCTG:945.00 PROPOSED TOP GRADE AT WALL **x**(BG:945.00) PROPOSED BOTTOM GRADE AT WALL XCTS:945.00 PROPOSED TOP OF STAIR GRADE x(BS:9/5.00) PROPOSED BOTTOM OF STAIR GRADE x(HP:945.00) PROPOSED HIGH POINT GRADE X LP:945.00 PROPOSED LOW POINT GRADE x(TC:045.00) PROPOSED BOTTOM OF CURB GRADE

STORM DRAINAGE LEGEND:

HOODED GRATE CURB INLET (GDOT 1019A, TYPE I GRATE INLET (GDOT 10191A, TYPE A)

WQ

SWCB SINGLE WING CATCH BASIN (GDOT 1033D) DOUBLE WING CATCH BASIN (GDOT 1034D) YARD DRAIN (NDS CATCH BASIN OR COMPARABL

CLEAN OUT WATER QUALITY DEVICE

ocs OUTLET CONTROL STRUCTURE (CAST-IN-PLACE) TRENCH DRAIN

PROPOSED ROOF DRAIN PIPE ■ PROPOSED STORM PIPE





Kimley >>> Horn

CO, LAND BNC

PROTECTION PLAN WATERSHED PR PERMIT F

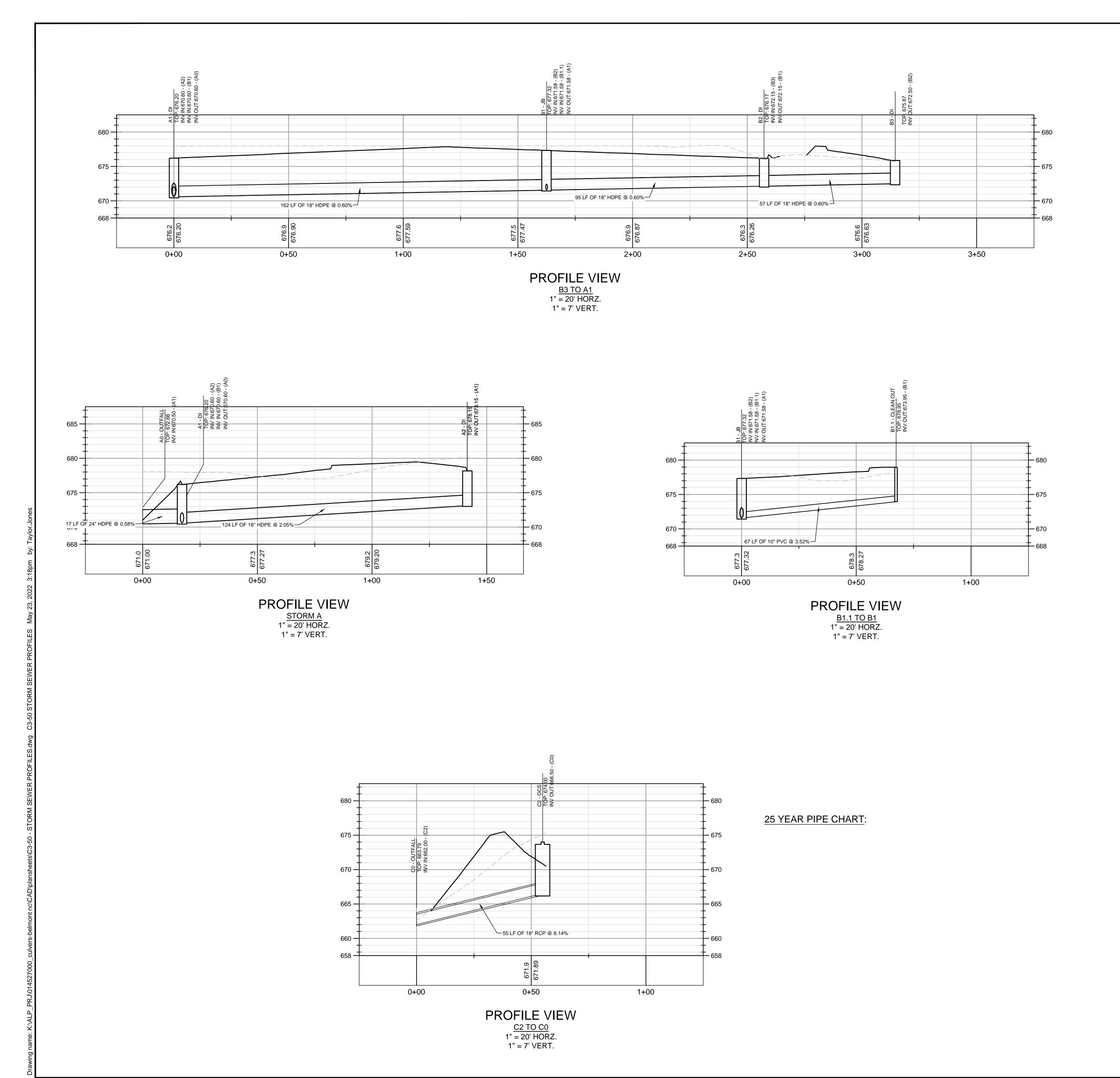
> ELMONT B VERS CUL

JOB NO.: 013071014

DATE: 05/23/2022

SHEET:

C3-02



STORM DRAINAGE PROFILE NOTES:

- 1. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE
- 2. CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
- 3. ALL STORM PIPE SHALL HAVE BEDDING PER BEDDING DETAILS IN CONSTRUCTION DETAIL SHEETS.
- 4. ALL STORM PIPING TO BE RCP UNLESS OTHERWISE NOTED. SEE CHART FOR PIPE CLASS.
- 5. RIM ELEVATIONS GIVEN ARE APPROXIMATE. CONTRACTOR SHALL REFERENCE GRADING PLAN FOR STRUCTURE THROAT / RIM ELEVATIONS.
- 6. IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.
- 7. ALL STORM JOINTS TO BE WATER TIGHT.

PROFILE LINE LEGEND:

PROPOSED GRADE LINE

---- EXISTING GRADE LINE

————— 25-YR HYDRAULIC GRADE LINE

— — — 100-YR HYDRAULIC GRADE LINE

RCP PIPE CLASSIFICATION CHART:

1-15' CLASS III 15'-20' CLASS IV 20'-30' CLASS V

ALL CONCRETE PIPE SHALL BE A MINIMUM CLASS III WITH 12" MINIMUM COVER. REFERENCE NCDOT DETAIL 300.1 FOR ADDITIONAL GUIDANCE.

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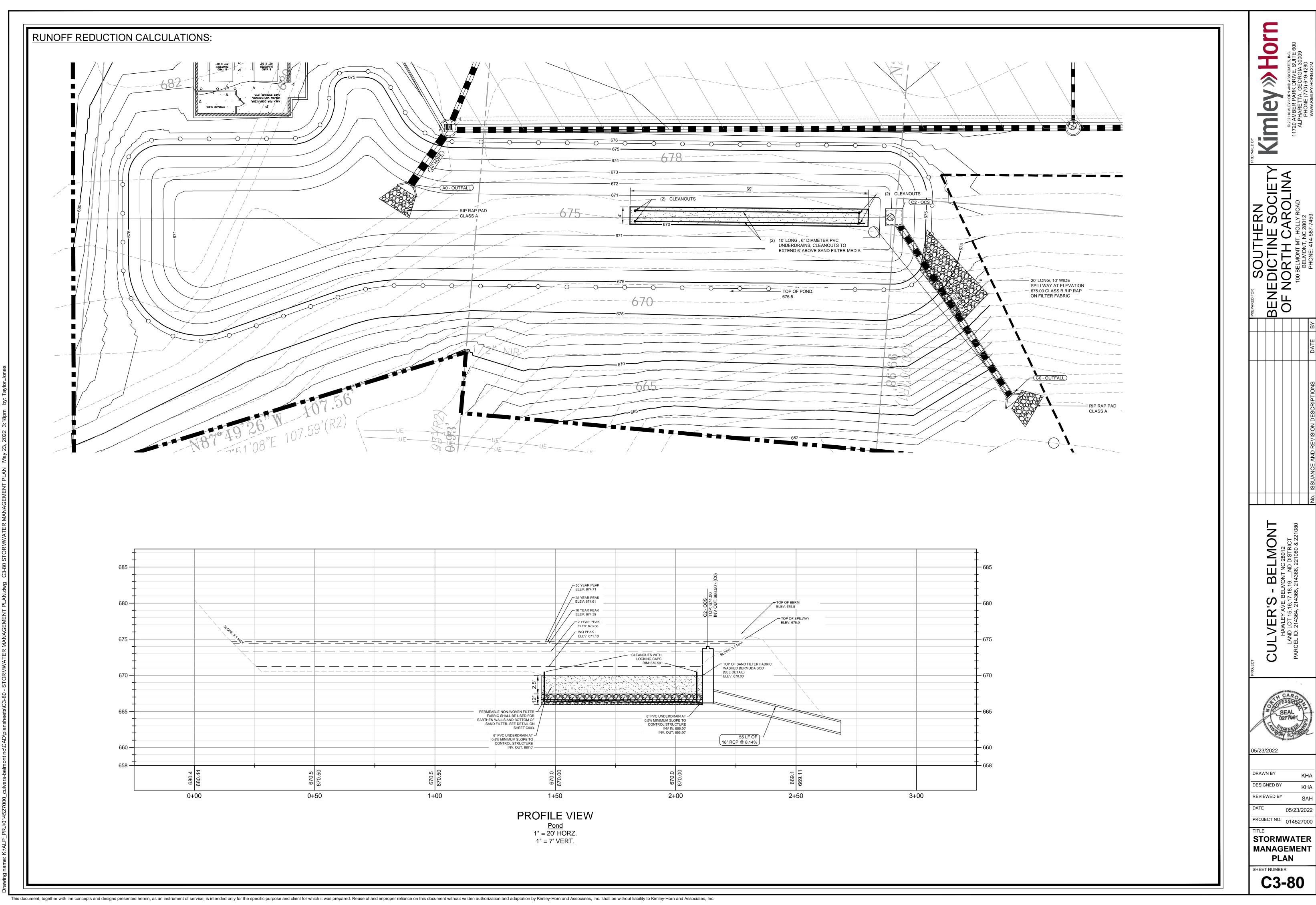
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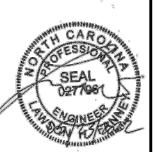
05/23/2022 PROJECT NO. 014527000

STORM SEWER **PROFILES**

C3-50

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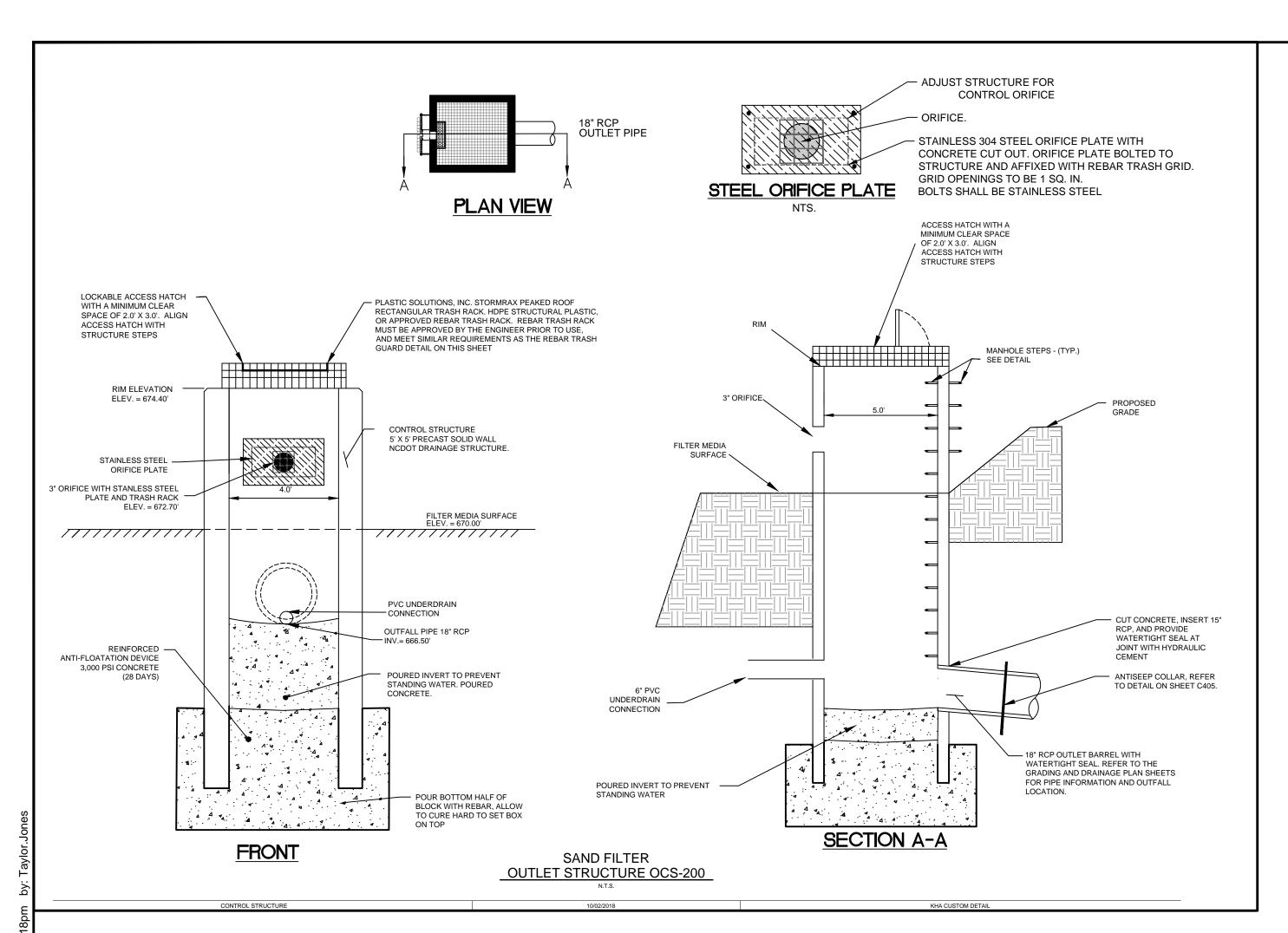


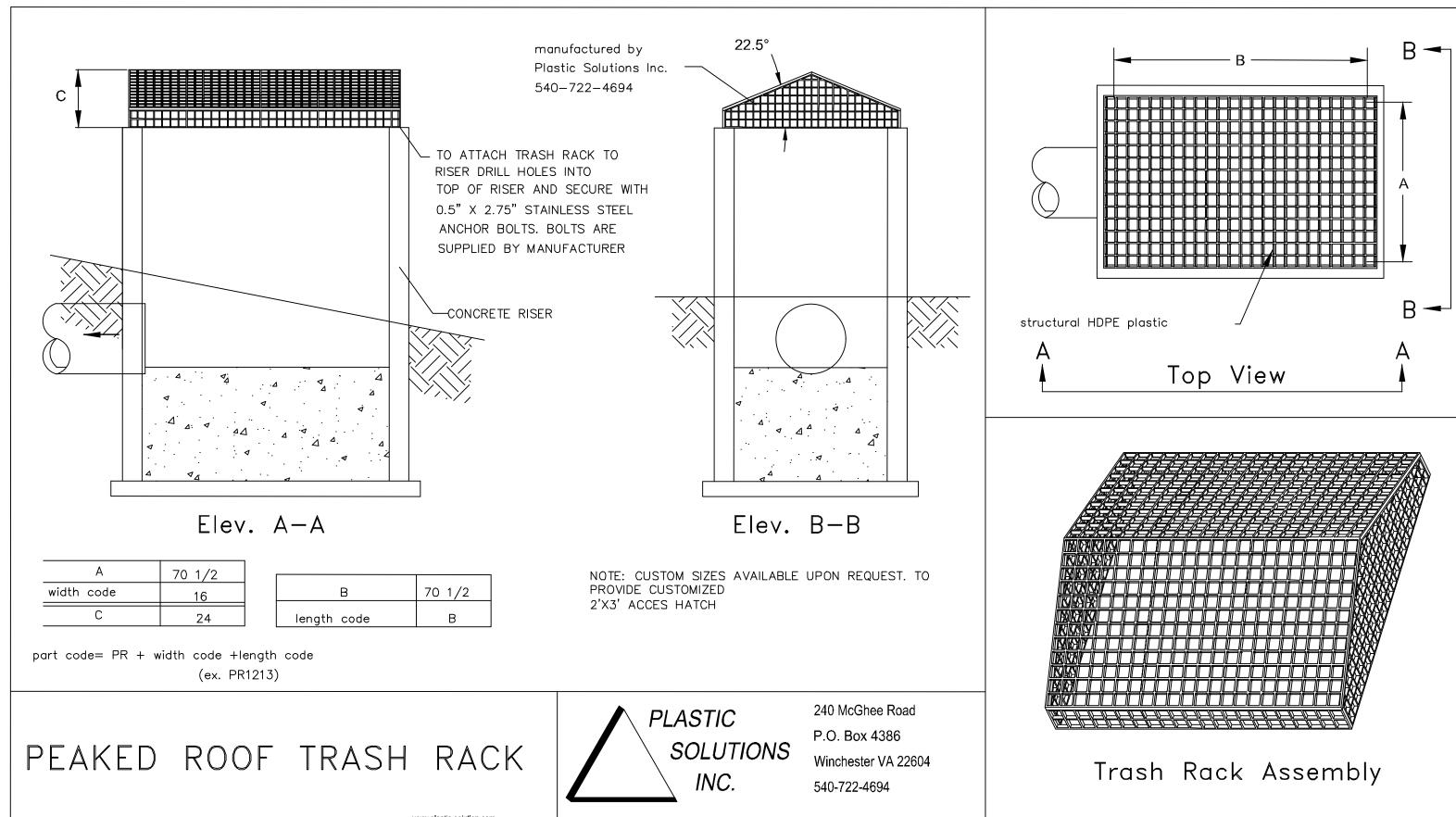


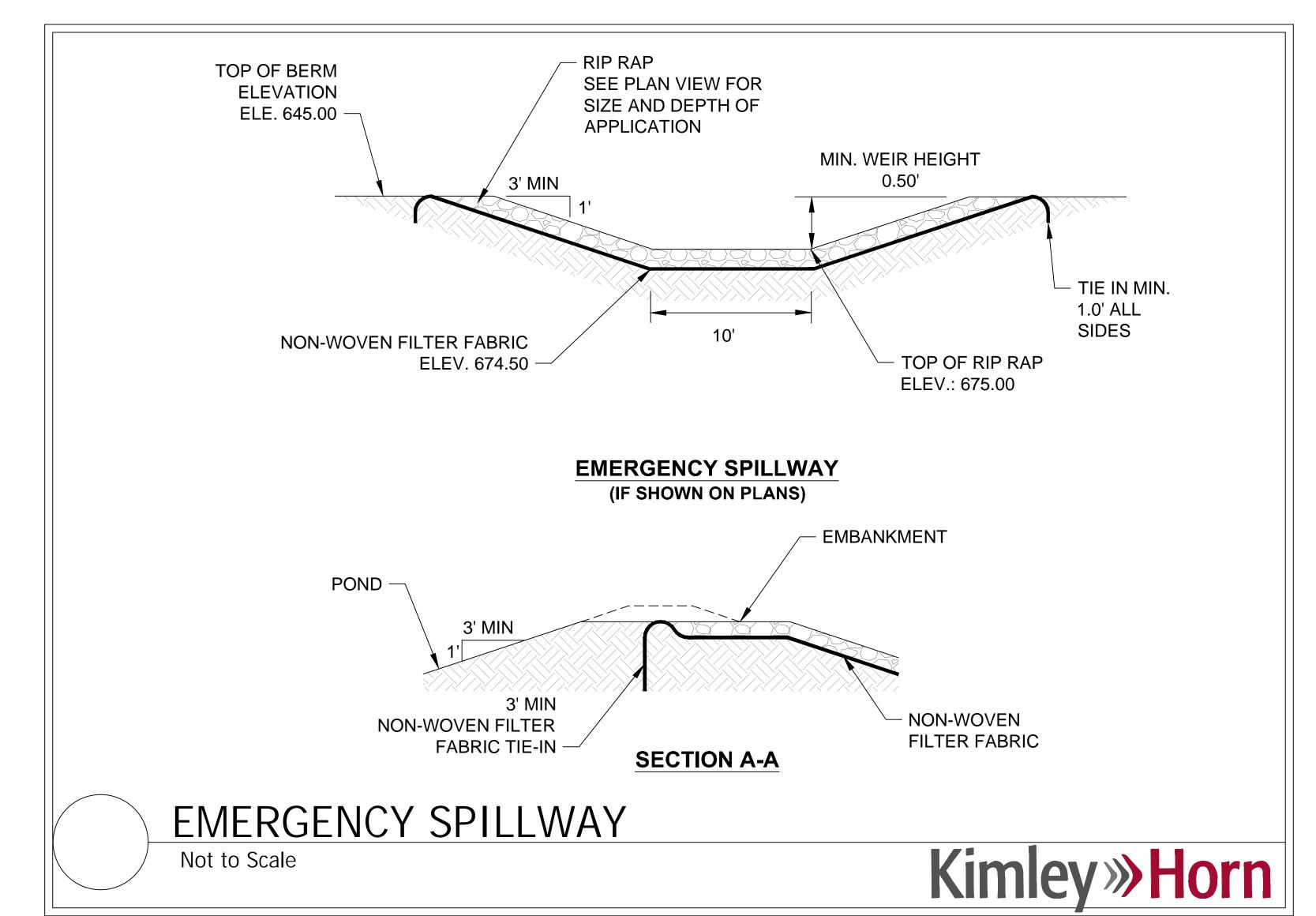
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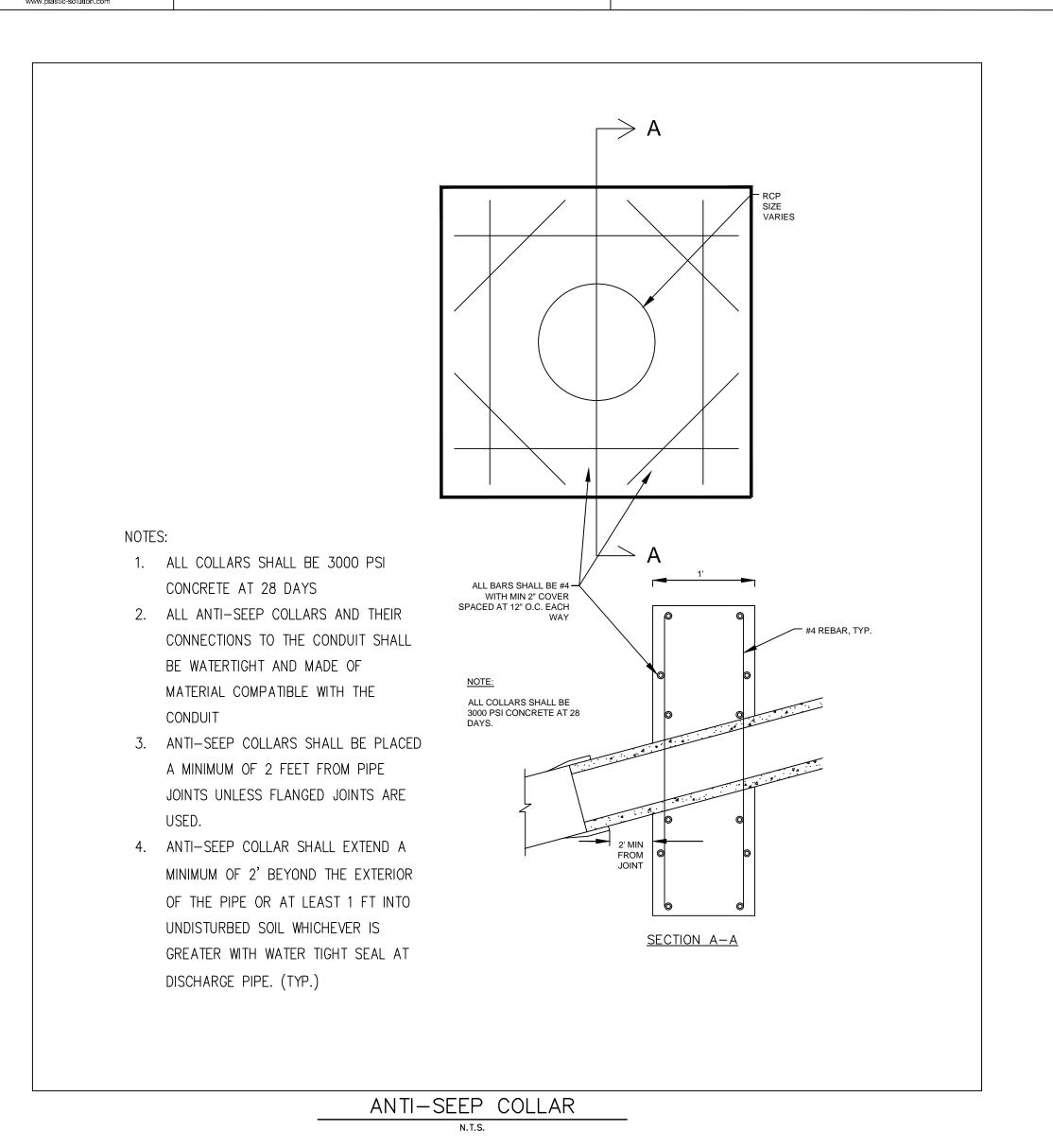
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STORMWATER MANAGEMENT









Y KIMLEY-HORN AND ASSOCIATES, INC.
11720 AMBER PARK DRIVE, SUITE 600
ALPHARETTA, GEORGIA 30009
PHONE (770) 619-4280

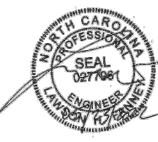
SOUTHERN
BENEDICTINE SOCIET
OF NORTH CAROLINA
100 BELMONT, NC 28012

ULVER'S - BELMONT

HAWLEY AVE, BELMONT NC 28012

LAND LOT 15,16,17,18,19, ND DISTRICT

SCELLID: 214364 214365 214366 221080 & 221080



05/23/2022

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KHA

DESIGNED BY

KHA

REVIEWED BY

SAH

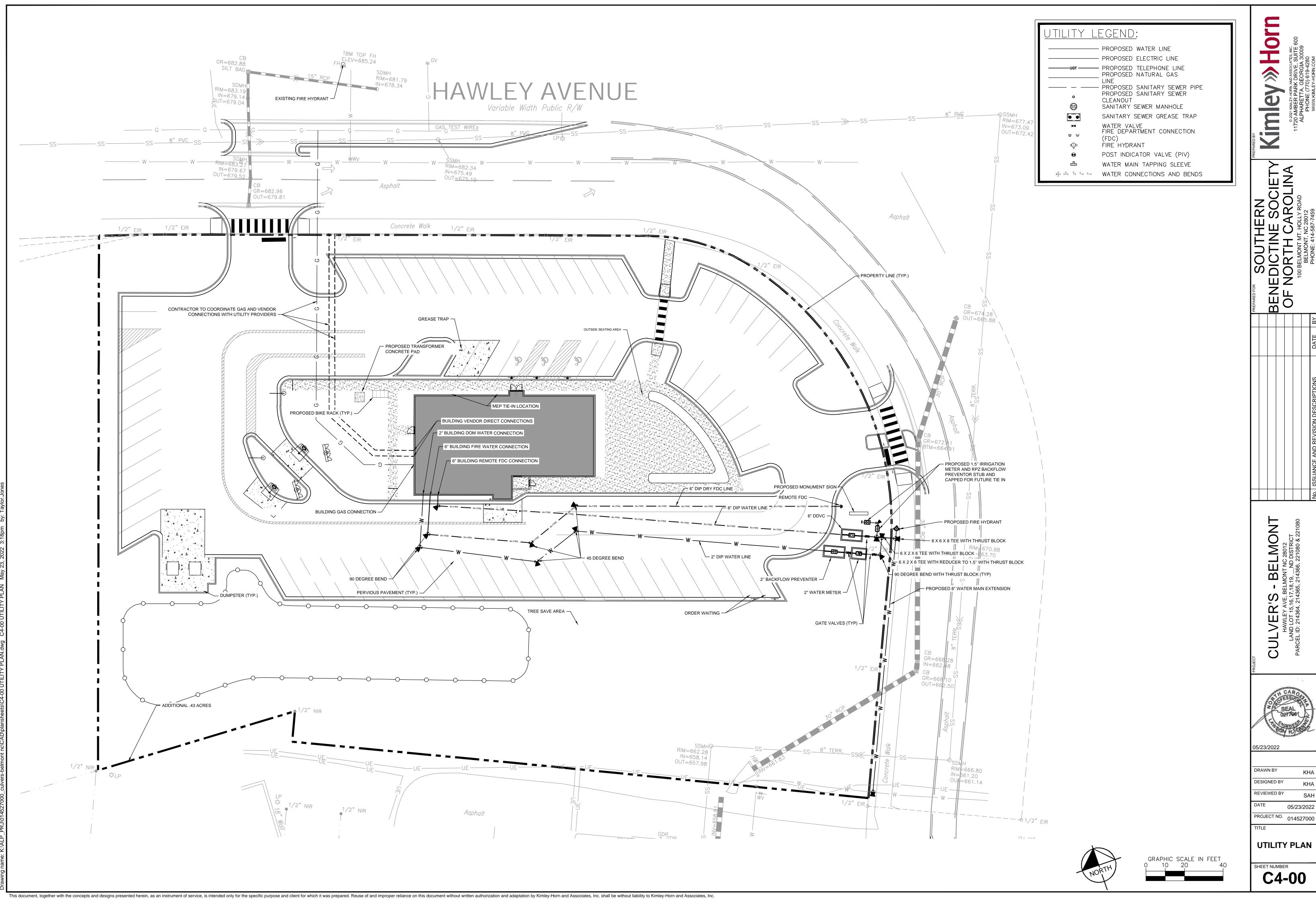
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 SAH

 DATE
 05/23/2022

 PROJECT NO.
 014527000

STORMWATER
MANAGEMENT
PLAN

C3-81





05/23/2022



DESIGNED BY

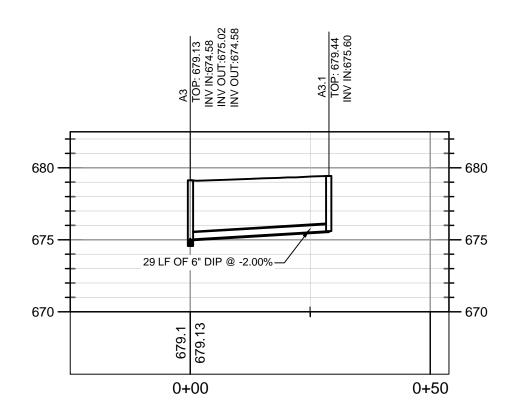
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PROJECT NO. 014527000 SANITARY **SEWER**

PROFILES

A4.1 TOP: 677.64 INV IN:675.24 INV OUT:675.24 ─8 LF OF 6" DIP @ 2.00% 0+50



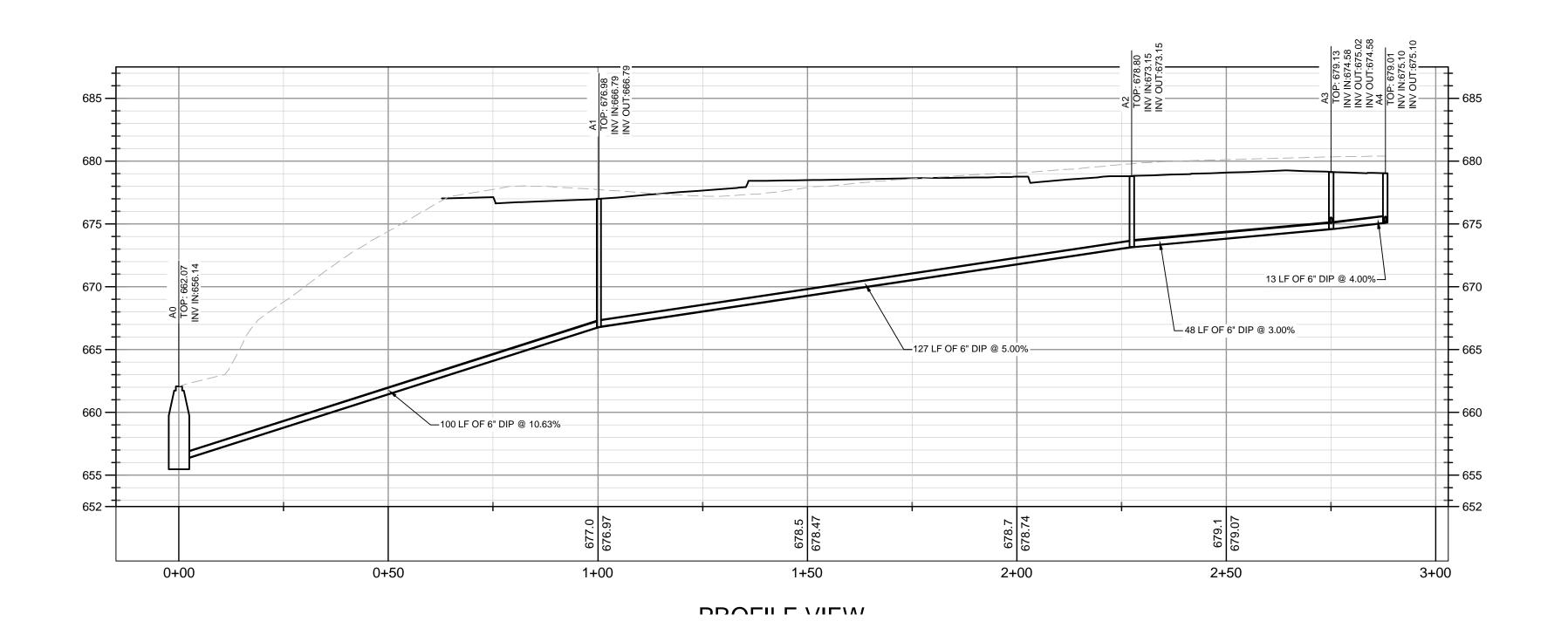


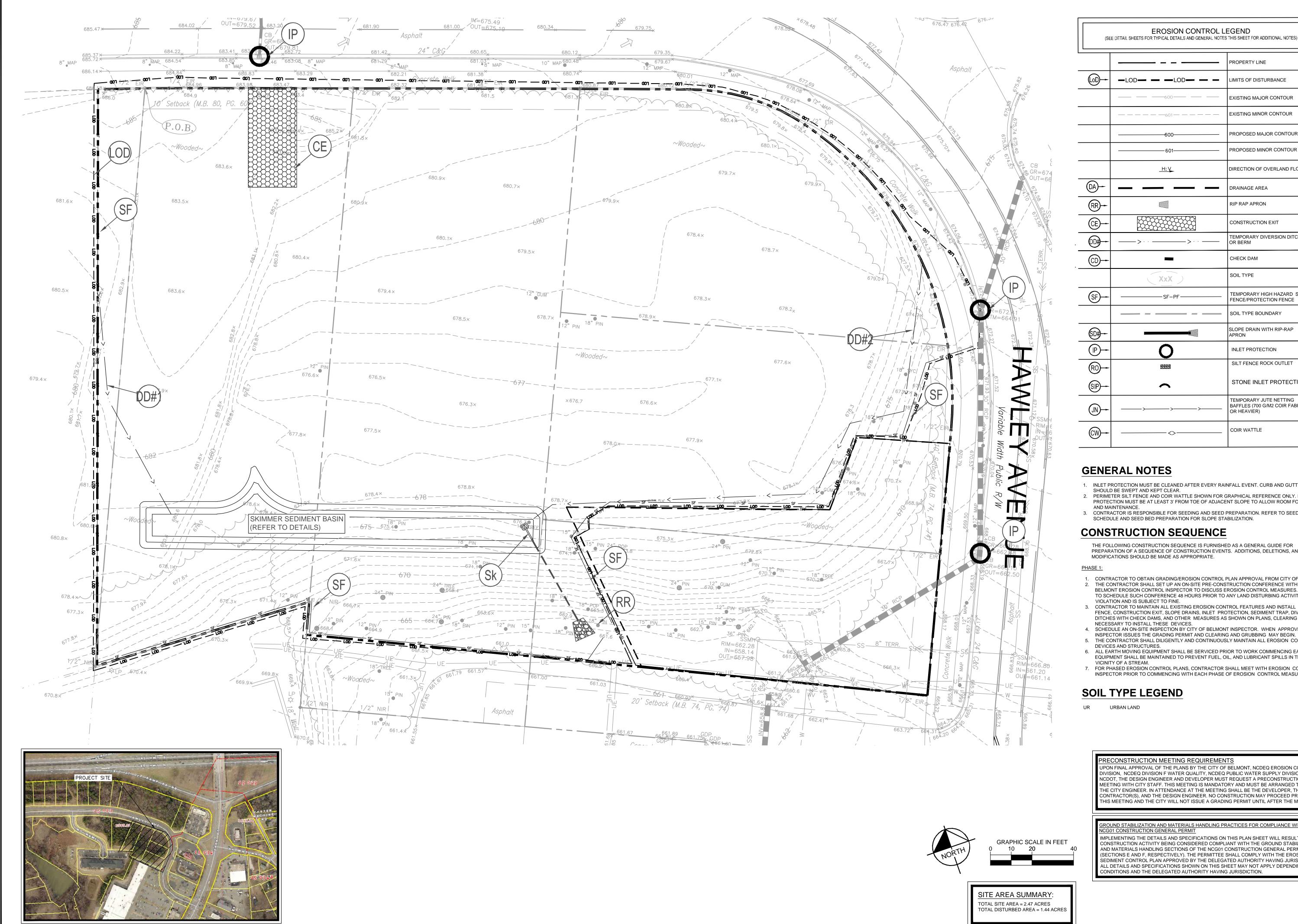
PROFILE VIEW

A3.1 TO A3

1" = 30' HORZ.

1" = 10' VERT.





(SEE DETAIL SHEETS FOR TYPICAL DETAILS AND GENERAL NOTES THIS SHEET FOR ADDITIONAL NOTES) PROPERTY LINE LIMITS OF DISTURBANCE EXISTING MAJOR CONTOUR EXISTING MINOR CONTOUR PROPOSED MAJOR CONTOUR ROPOSED MINOR CONTOUR DIRECTION OF OVERLAND FLOW RIP RAP APRON CONSTRUCTION EXIT TEMPORARY DIVERSION DITCH OR BERM CHECK DAM SOIL TYPE XxX EMPORARY HIGH HAZARD SILT FENCE/PROTECTION FENCE SOIL TYPE BOUNDARY SLOPE DRAIN WITH RIP-RAP INLET PROTECTION SILT FENCE ROCK OUTLET STONE INLET PROTECTION TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC

- 1. INLET PROTECTION MUST BE CLEANED AFTER EVERY RAINFALL EVENT. CURB AND GUTTER SHOULD BE SWEPT AND KEPT CLEAR.
- 2. PERIMETER SILT FENCE AND COIR WATTLE SHOWN FOR GRAPHICAL REFERENCE ONLY. PERIMETER PROTECTION MUST BE AT LEAST 3' FROM TOE OF ADJACENT SLOPE TO ALLOW ROOM FOR ACCESS

COIR WATTLE

3. CONTRACTOR IS RESPONSIBLE FOR SEEDING AND SEED PREPARATION. REFER TO SEEDING SCHEDULE AND SEED BED PREPARATION FOR SLOPE STABILIZATION.

CONSTRUCTION SEQUENCE

THE FOLLOWING CONSTRUCTION SEQUENCE IS FURNISHED AS A GENERAL GUIDE FOR PREPARATION OF A SEQUENCE OF CONSTRUCTION EVENTS. ADDITIONS, DELETIONS, AND MODIFICATIONS SHOULD BE MADE AS APPROPRIATE.

- 1. CONTRACTOR TO OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM CITY OF BELMONT. 2. THE CONTRACTOR SHALL SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH CITY OF BELMONT EROSION CONTROL INSPECTOR TO DISCUSS EROSION CONTROL MEASURES. FAILURE TO SCHEDULE SUCH CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY IS A
- 3. CONTRACTOR TO MAINTAIN ALL EXISTING EROSION CONTROL FEATURES AND INSTALL SILT FENCE, CONSTRUCTION EXIT, SLOPE DRAINS, INLET PROTECTION, SEDIMENT TRAP, DIVERSION DITCHES WITH CHECK DAMS, AND OTHER MEASURES AS SHOWN ON PLANS, CLEARING ONLY AS
- NECESSARY TO INSTALL THESE DEVICES. 4. SCHEDULE AN ON-SITE INSPECTION BY CITY OF BELMONT INSPECTOR. WHEN APPROVED,
- 5. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL
- 6. ALL EARTH MOVING EQUIPMENT SHALL BE SERVICED PRIOR TO WORK COMMENCING EACH DAY. EQUIPMENT SHALL BE MAINTAINED TO PREVENT FUEL, OIL, AND LUBRICANT SPILLS IN THE
- 7. FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES.

SOIL TYPE LEGEND

RECONSTRUCTION MEETING REQUIREMENTS

UPON FINAL APPROVAL OF THE PLANS BY THE CITY OF BELMONT, NCDEQ EROSION CONTROL DIVISION, NCDEQ DIVISION F WATER QUALITY, NCDEQ PUBLIC WATER SUPPLY DIVISION, AND NCDOT, THE DESIGN ENGINEER AND DEVELOPER MUST REQUEST A PRECONSTRUCTION MEETING WITH CITY STAFF. THIS MEETING IS MANDATORY AND MUST BE ARRANGED THROUGH THE CITY ENGINEER. IN ATTENDANCE AT THE MEETING SHALL BE THE DEVELOPER, THE CONTRACTOR(S), AND THE DESIGN ENGINEER. NO CONSTRUCTION MAY PROCEED PRIOR TO HIS MEETING AND THE CITY WILL NOT ISSUE A GRADING PERMIT UNTIL AFTER THE MEETING.

ROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE CG01 CONSTRUCTION GENERAL PERMIT

IMPLEMENTING THE DETAILS AND SPECIFICATIONS ON THIS PLAN SHEET WILL RESULT IN THE CONSTRUCTION ACTIVITY BEING CONSIDERED COMPLIANT WITH THE GROUND STABILIZATION AND MATERIALS HANDLING SECTIONS OF THE NCG01 CONSTRUCTION GENERAL PERMIT (SECTIONS E AND F, RESPECTIVELY). THE PERMITTEE SHALL COMPLY WITH THE EROSION AND SEDIMENT CONTROL PLAN APPROVED BY THE DELEGATED AUTHORITY HAVING JURISDICTION. ALL DETAILS AND SPECIFICATIONS SHOWN ON THIS SHEET MAY NOT APPLY DEPENDING ON SITE CONDITIONS AND THE DELEGATED AUTHORITY HAVING JURISDICTION.

EROSION CONTROL PLAN

C5-10

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VICINITY MAP

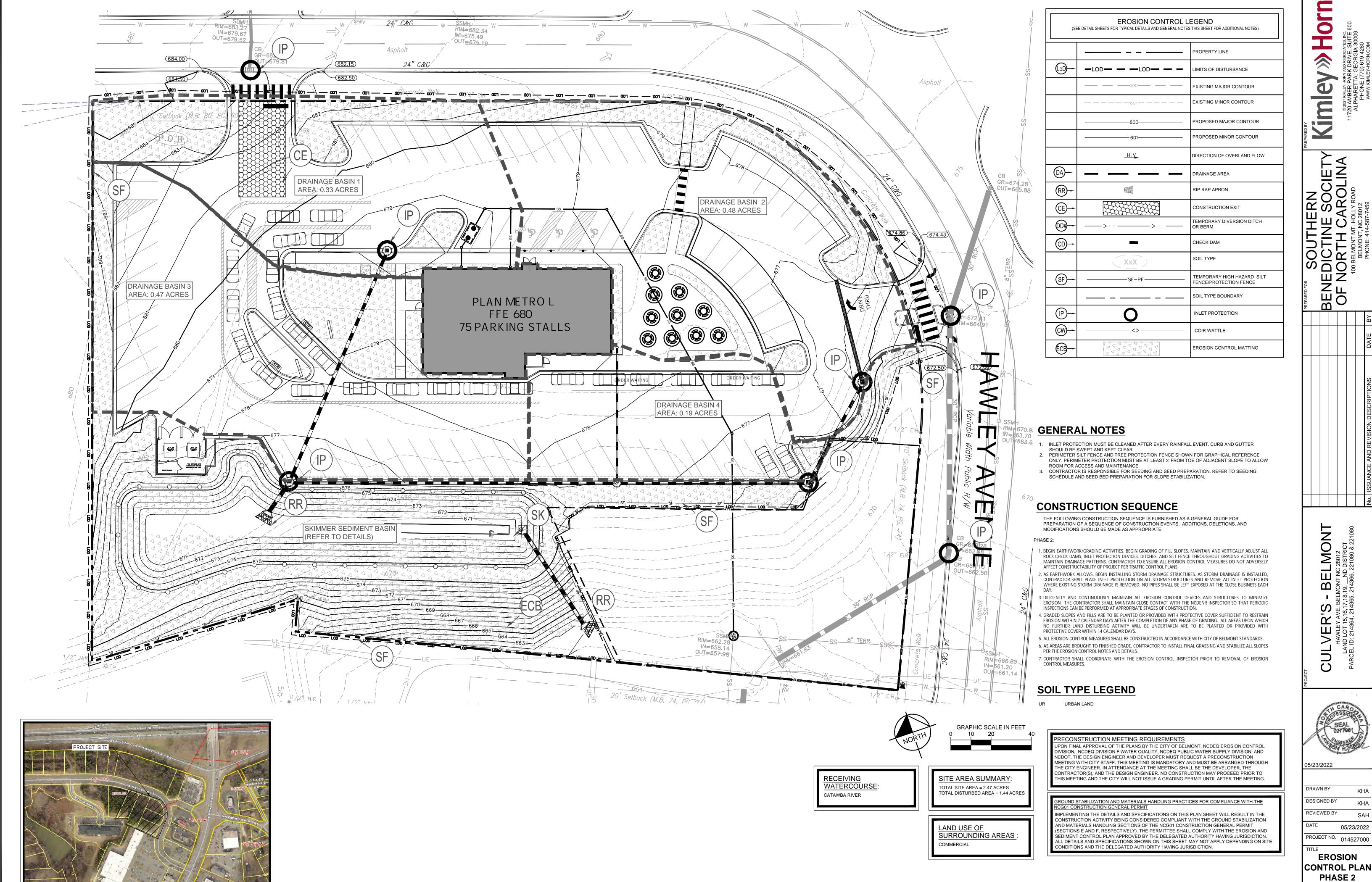
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PROJECT NO. 014527000

PHASE 1 SHEET NUMBER



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05/23/2022

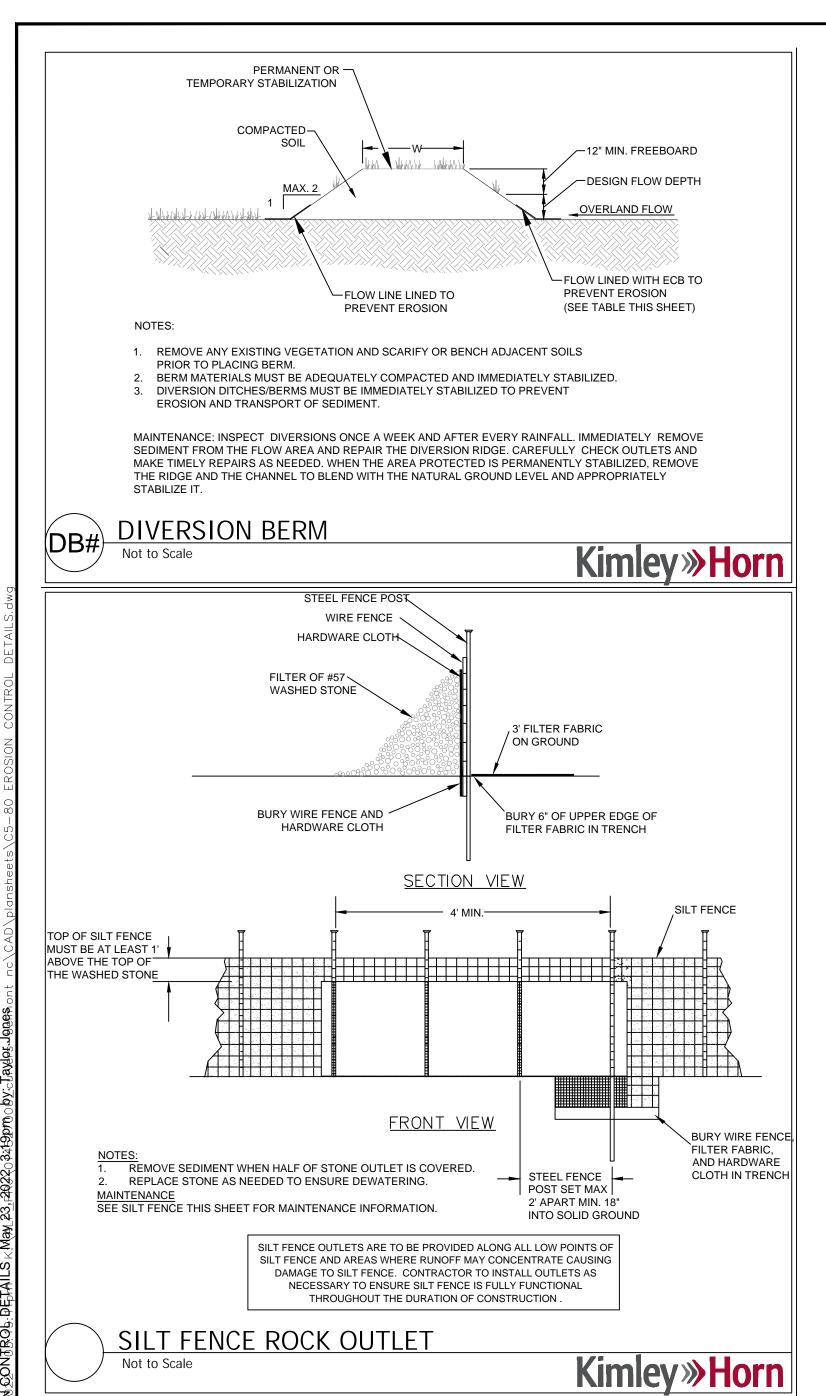
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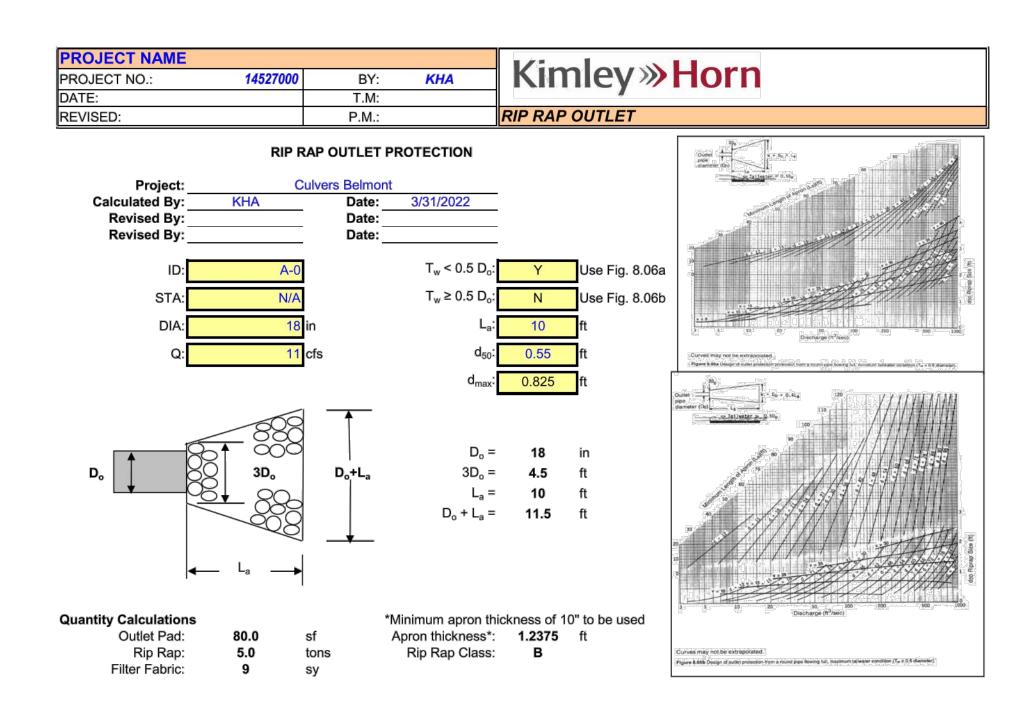
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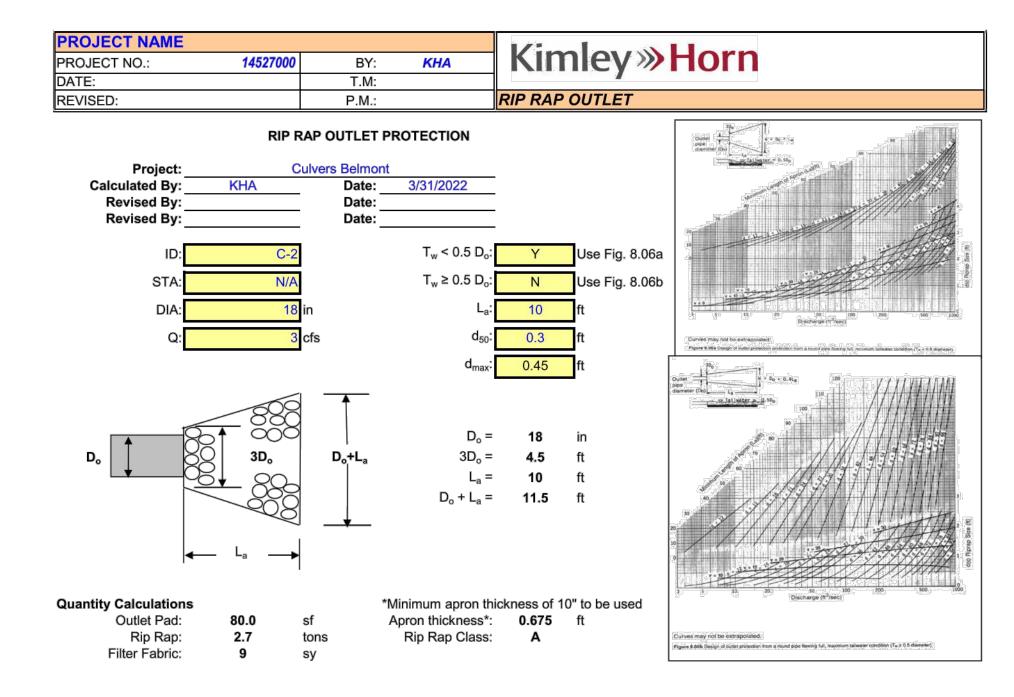
EROSION CONTROL PLAN

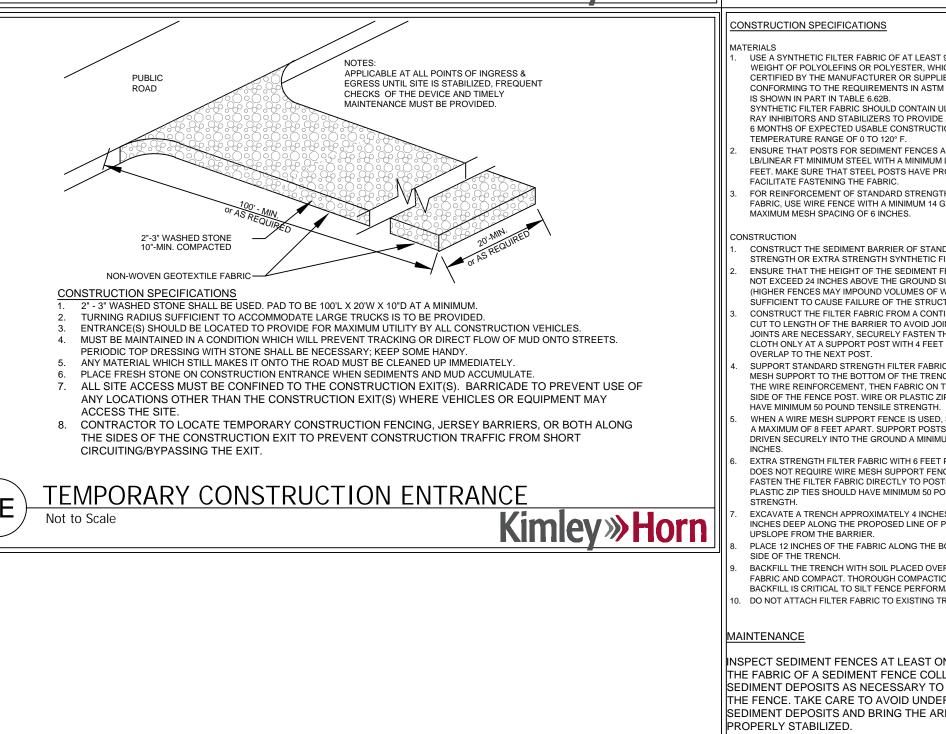
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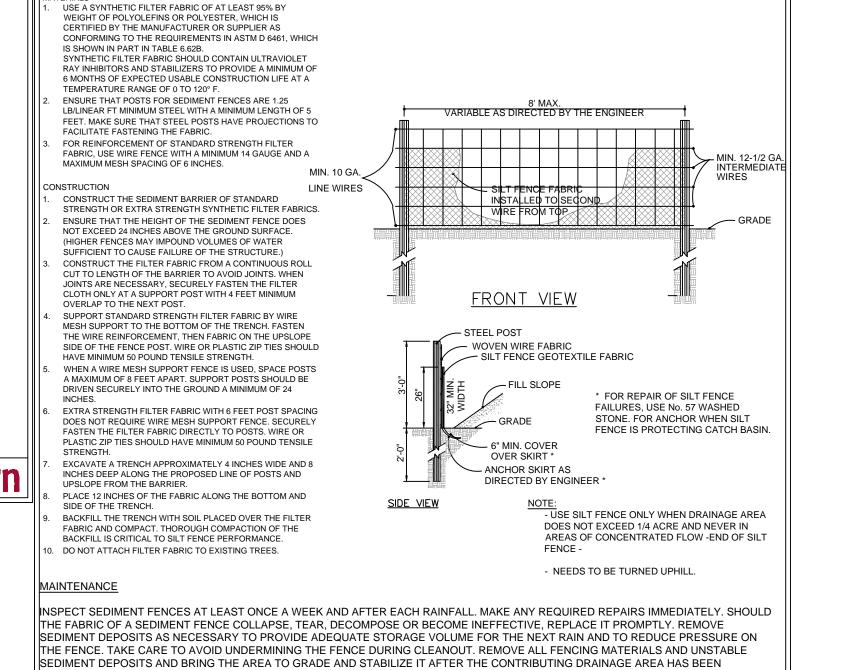
VICINITY MAP

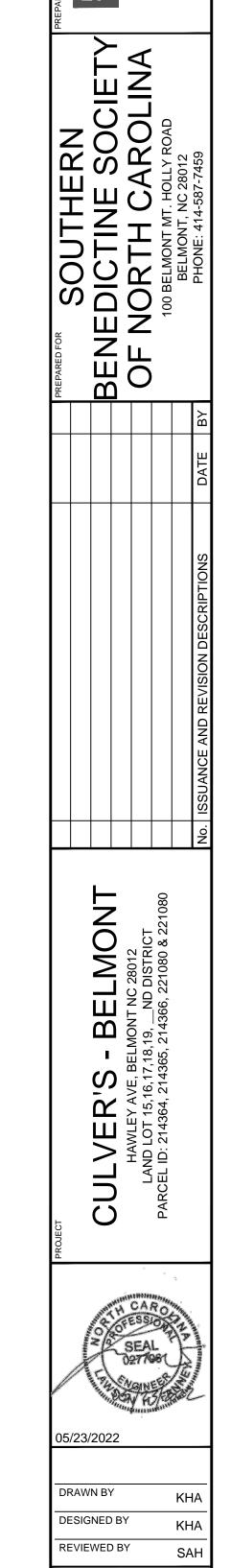












05/23/2022

PROJECT NO. 014527000

EROSION

CONTROL DETAILS

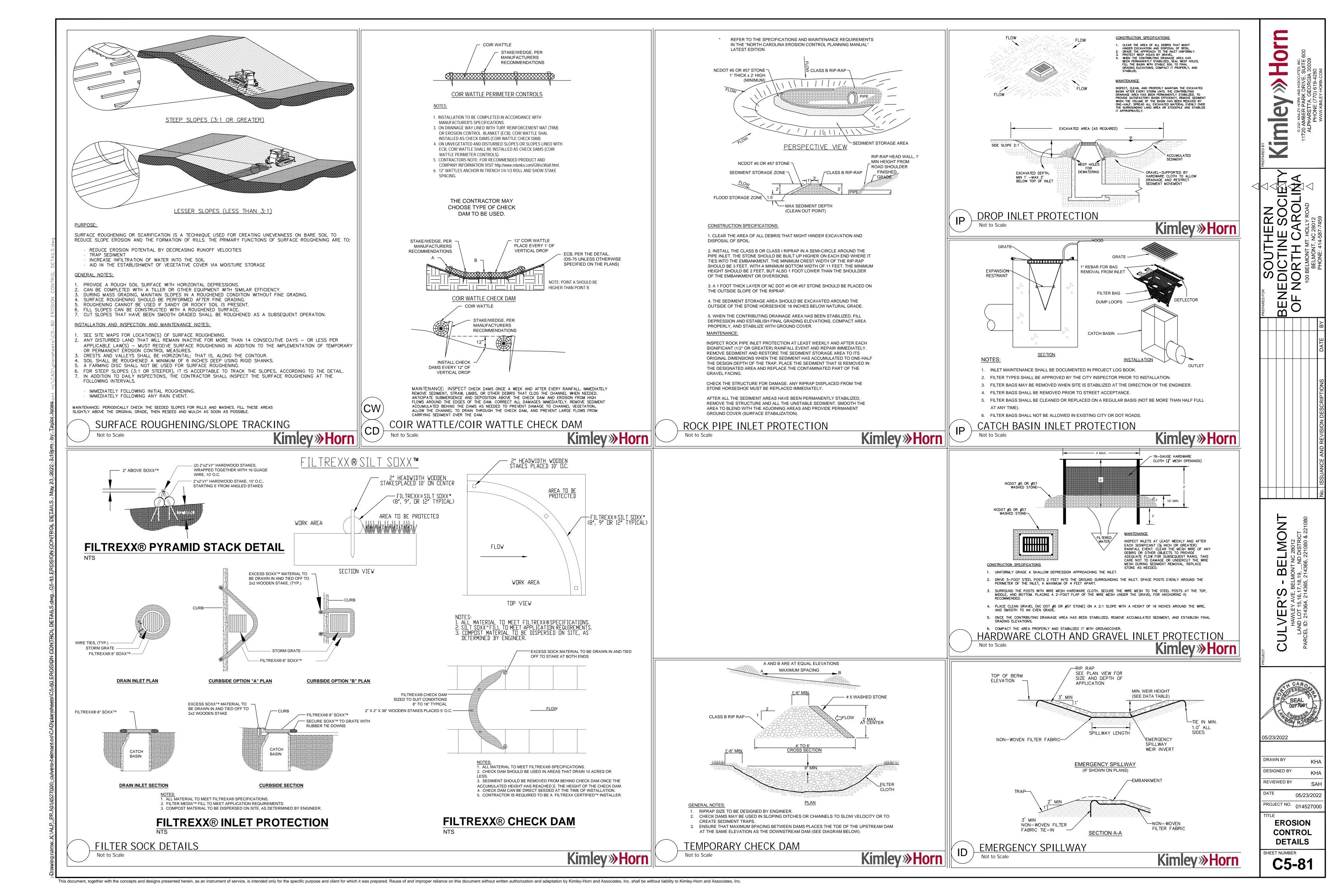
C5-80

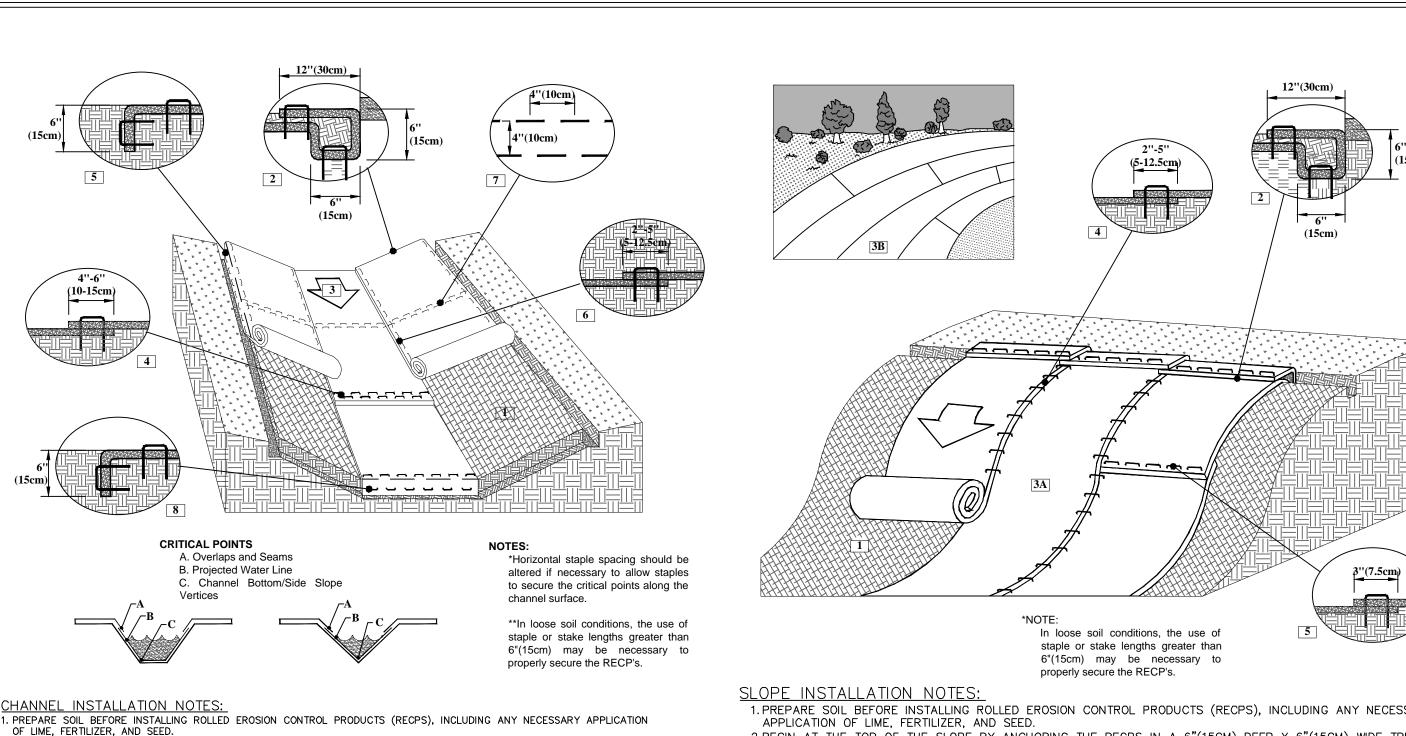
SHEET NUMBER

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Not to Scale

TEMPORARY SILT FENCE





2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE RECPS IN A 6"(15CM) DEEP X 6"(15CM) WIDE TRENCH WITH

APPROXIMATELY 12"(30CM) OF RECPS EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH, USE SHOREMAX MAT AT

THE CHANNEL/CULVERT OUTLET AS SUPPLEMENTAL SCOUR PROTECTION AS NEEDED. ANCHOR THE RECPS WITH A ROW OF

STAPLES/STAKES APPROXIMATELY 12"(30CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE

TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL AND FOLD THE REMAINING 12"(30CM) PORTION OF RECPS

BACK OVER THE SEED AND COMPACTED SOIL. SECURE RECPS OVER COMPACTED SOIL WITH A ROW OF

3. ROLL CENTER RECPS IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. RECPS WILL UNROLL WITH APPROPRIATE SIDE

4.PLACE CONSECUTIVE RECPS END-OVER-END (SHINGLE STYLE) WITH A 4"-6" OVERLAP. USE A DOUBLE ROW OF STAPLES

5. FULL LENGTH EDGE OF RECPS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES

APPROXIMATELY 12"(30CM) APART IN A 6"(15CM) DEEP X 6"(15CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH

6. ADJACENT RECPS MUST BE OVERLAPPED APPROXIMATELY 2"-5" (5-12.5CM) (DEPENDING ON RECPS TYPE) AND STAPLED.

7. IN HIGH FLOW CHANNEL APPLICATIONS A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9 -12M) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4"(10CM) APART AND 4"(10CM) ON CENTER OVER ENTIRE WIDTH OF THE

8. THE TERMINAL END OF THE RECPS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30CM)

APART IN A 6"(15CM) DEEP X 6"(15CM) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

AGAINST THE SOIL SURFACE. ALL RECPS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN

STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECPS.

ECB NAG - EROSION CONTROL BLANKET

APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.

STAGGERED 4" APART AND 4" ON CENTER TO SECURE RECPS.

AFTER STAPLING.

Not to Scale

(PS) PERMANENT SEEDING OVERALL SITE SEEDING, SPRIGGING, AND SODDING SEED, SPRIGG, & SOD ALL DISTURBED AREAS IN ACCORDANCE WITH LAWNS AND GRASSES SPECIFICATIONS AND L104 (SODDING AND SPRIGGING PLAN). PERMANENT SEEDING IN AREAS RECEIVING EROSION CONTROL PREPARE SEEDBED BY RIPPING, CHISELING, HARROWING, OR PLOWING TO DEPTH OF SIX INCHES SO AS TO PRODUCE A LOOSE, FRIABLE SURFACE. REMOVE ALL STONES, BOULDERS, STUMPS, OR DEBRIS FROM THE SURFACE WHICH WOULD PROHIBIT GERMINATION OR PLANT GROWTH. INCORPORATE INTO THE SOIL 800 TO 1,000 POUNDS OF 10-10-10 FERTILIZER PLUS 500 POUNDS OF 20-PERCENT SUPERPHOSPHATE PER ACRE AND TWO TONS OF DOLOMITIC LIME PER ACRE UNLESS SOIL TESTS INDICATE THAT A LOWER RATE SEED AREA AND INSTALL EROSION CONTROL MATTING PER MANUFACTURER'S DETAIL. MULCH AFTER SEEDING WITH 1.5 TONS OF GRAIN STRAW PER ACRE AND EITHER CRIMP STRAW INTO SOIL OR TACK WITH LIQUID ASPHALT AT 400 GALLONS PER ACRE OR EMULSIFIED ASPHALT AT 300 GALLONS PER ACRE. PERMANENT SEEDING SEEDING MIXTURE "COOL SEASON" SEPTMEBER 1 - FEBRUARY 28 SPECIES SOFT RED WINTER WHEAT RIVIERA BERMUDA (HULLED) RIVIERA BERMUDA (UNHULLED) "WARM SEASON" MARCH 1 - AUGUST 31 RATE (lb/ACRE) OR FOX TAIL MULLET RIVIERA BERMUDA (HULLED) TS TEMPORARY SEEDING FALL SEEDING MIXTURE RATE (lb/ACRE) SEEDING DATES

MOUNTAINS-AUG. 15 - DEC. 15 COASTAL PLAIN AND PIEDMONT-AUG. 15 - DEC. 30 SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 Ib/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 Ib/ACRE 10-10-10 FERTILIZER.

APPLY 4,000 Ib/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT AT A RATE OF 0.10 GALLONS PER SQUARE YARD, NETTING SUCH AS LIGHTWEIGHT PLASTIC, COTTON, JUTE, WIRE, OR PAPER NETS STAPLED OVER THE MULCH ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS, OR A MULCH ANCHORING TOOL SUCH AS A DISK SET NEARLY STRAIGHT. MAINTENANCE

REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50LB/ACRE KOBE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

(TS) TEMPORARY SEEDING LATE WINTER/EARLY SPRING

SEEDING MIXTURE

RATE (lb/ACRE) ANNUAL LESPEDEZA (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS)

OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

MOUNTAINS - ABOVE 2500 FT: FEB. 15 - MAY 15

BELOW 2500 FT: FEB. 1 - MAY 1

PIEDMONT - JAN. 1 - MAY 1 COASTAL PLAIN-DEC. 1 - APR. 15

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 Ib/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 Ib/ACRE 10-10-10 FERTILIZER.

MULCH

APPLY 4,000 Ib/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT AT A RATE OF 0.10 GALLONS PER SQUARE YARD, NETTING SUCH AS LIGHTWEIGHT PLASTIC, COTTON, JUTE, WIRE, OR PAPER NETS STAPLED OVER THE MULCH ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS, OR A MULCH ANCHORING TOOL SUCH AS A DISK SET NEARLY STRAIGHT.

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER

(TS) TEMPORARY SEEDING SUMMER

SEEDING MIXTURE

RATE (lb/ACRE) SPECIES GERMAN MILLET

IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUDANGRASS MAY BE SUBSTITUTED AT A RATE OF 50 lb/ACRE.

SEEDING DATES MOUNTAINS-MAY 15 - AUG. 15

PIEDMONT-MAY 1 - AUG. 15 COASTAL PLAIN-APR. 15 - AUG. 15

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 Ib/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 Ib/ACRE 10-10-10 FERTILIZER.

APPLY 4,000 Ib/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT AT A RATE OF 0.10 GALLONS PER SQUARE YARD, NETTING SUCH AS LIGHTWEIGHT PLASTIC, COTTON, JUTE, WIRE, OR PAPER NETS STAPLED OVER THE MULCH ACCORDING TO THE MANUFACTURERS

RECOMMENDATIONS, OR A MULCH ANCHORING TOOL SUCH AS A DISK SET NEARLY STRAIGHT

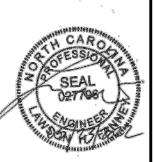
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER

SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:

ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY

TEMPORARY AND PERMANENT SEEDING Not to Scale



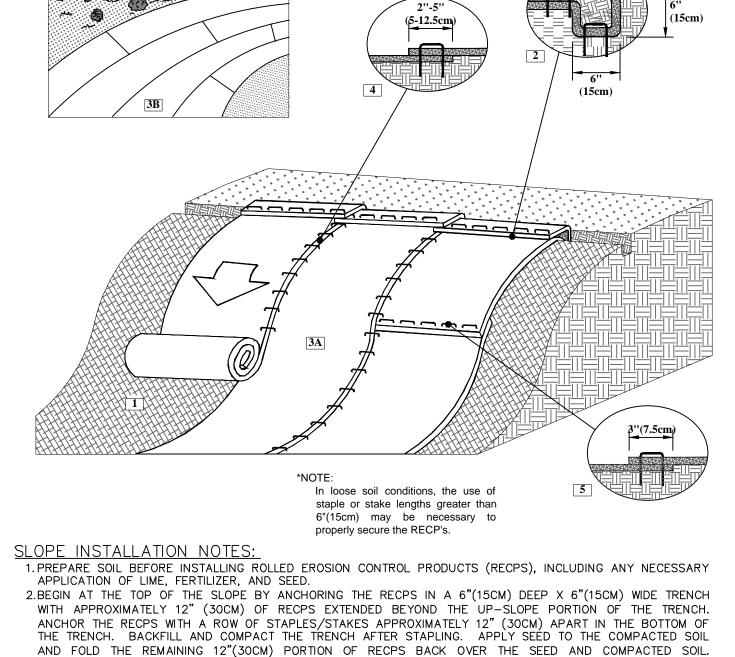
05/23/2022

DRAWN BY **DESIGNED BY REVIEWED BY**

05/23/202 PROJECT NO. 014527000 **EROSION**

CONTROL **DETAILS** SHEET NUMBER

C5-82



SECURE RECPS OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY

3.ROLL THE RECPS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECPS WILL UNROLL WITH

4.THE EDGES OF PARALLEL RECPS MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5-12.5CM) OVERLAP

5.CONSECUTIVE RECPS SPLICED DOWN THE SLOPE MUST BE END OVER END (SHINGLE STYLE) WITH AN

. INSPECT ROLLED EROSION CONTROL PRODUCTS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAIN FALL

3. ANY AREAS OF THE ECB THAT ARE DAMAGED OR NOT IN CLOSE CONTACT WITH THE GROUND SHALL BE REPAIRED AND STAPLED.
4. IF EROSION OCCURS DUE TO POORLY CONTROLLED DRAINAGE, THE PROBLEM SHALL BE FIXED AND THE ERODED AREA PROTECTED.

APPROXIMATE 3"(7.5CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12"(30CM) APART

BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.

2. GOOD CONTACT WITH THE GROUND MUST BE MAINTAINED, AND EROSION MUST NOT OCCUR BENEATH THE ECB.

5. MONITOR AND REPAIR THE ECB AS NECESSARY UNTIL GROUND COVER IS ESTABLISHED.

APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPS MUST BE SECURELY FASTENED TO SOIL SURFACE

12"(30CM) APART ACROSS THE WIDTH OF THE RECPS.

DEPENDING ON THE RECPS TYPE.

ACROSS ENTIRE RECPS WIDTH.

MAINTENANCE:

EROSION CONTROL **DETAILS**

C5-83

HEET NUMBER

SELF-INSPECTION, RECORDKEEPING AND REPORTING

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event≥ 1.0 inch in 24 hours	Identification of the measures inspected, Date and time of the inspection, Name of the person performing the inspection, Indication of whether the measures were operating properly, Description of maintenance needs for the measure, Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). Documentation that the required ground stabilization measures have been provided within the required.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

timeframe or an assurance that they will be provided as

SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING . E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be documented in the manner

Item to Document	Documentation Requirements
(a) Each E&SC Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC Plan.	Initial and date each E&SC Measure on a copy of the approved E&SC Plan or complete, date and sign an inspection report that lists each E&SC Measure shown on the approved E&SC Plan. This documentation is required upon the initial installation of the E&SC Measures or if the E&SC Measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC Plan.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC Measures.	Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

requirement not practical:

In addition to the E&SC Plan documents above, the following items shall be kept on the and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this

- (a) This general permit as well as the certificate of coverage, after it is received.
- (b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
- c) All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

	Re	equired Ground Stabil	ization Timeframes
Sit	te Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a)	Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b)	High Quality Water (HQW) Zones	7	None
(c)	Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d)	Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e)	Areas with slopes flatter than 4:1	14	 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zone -10 days for Falls Lake Watershed unless there is zero slope

practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the

techniques in the table below:				
Temporary Stabilization	Permanent Stabilization			
 Temporary grass seed covered with straw or other mulches and tackifiers 	 Permanent grass seed covered with straw or other mulches and tackifiers 			
Hydroseeding	 Geotextile fabrics such as permanent soil 			
 Rolled erosion control products with or 	reinforcement matting			

- such as permanent soil without temporary grass seed Hydroseeding Appropriately applied straw or other mulch
 Shrubs or other permanent plantings covered Plastic sheeting
 - with mulch · Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls

Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures. Apply flocculants at the concentrations specified in the NC DWR List of Approved
- PAMS/Flocculants and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging Store flocculants in leak-proof containers that are kept under storm-resistant cover

or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids. Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the
- Collect all spent fluids, store in separate containers and properly dispose as
- hazardous waste (recycle when possible) Remove leaking vehicles and construction equipment from service until the problem
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers. Provide a sufficient number and size of waste containers (e.g dumpster, trash
- receptacle) on site to contain construction and domestic wastes. Locate waste containers at least 50 feet away from storm drain inlets and surface
- waters unless no other alternatives are reasonably available. Locate waste containers on areas that do not receive substantial amounts of runoff
- from upland areas and does not drain directly to a storm drain, stream or wetland. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds. Empty waste containers as needed to prevent overflow. Clean up immediately if
- containers overflow.
- Dispose waste off-site at an approved disposal facility. 9. On business days, clean up and dispose of waste in designated waste containers.

- PAINT AND OTHER LIQUID WASTE Do not dump paint and other liquid waste into storm drains, streams or wetlands. Locate paint washouts at least 50 feet away from storm drain inlets and surface
- waters unless no other alternatives are reasonably available. Contain liquid wastes in a controlled area.

on a gravel pad and surround with sand bags.

. Containment must be labeled, sized and placed appropriately for the needs of site. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from

construction sites.

- PORTABLE TOILETS Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place
- Provide staking or anchoring of portable toilets during periods of high winds or in high
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of
- five feet from the toe of stockpile. Provide stable stone access point when feasible.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

- . Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined
- as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



ABOVE GRADE VASHOUT STRUCTURE

CONCRETE WASHOUTS

Do not discharge concrete or cement slurry from the site.

- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two
- types of temporary concrete washouts provided on this detail. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must
- be pumped out and removed from project. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive
- spills or overflow. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the
- approving authority Install at least one sign directing concrete trucks to the washout within the project
- limits. Post signage on the washout itself to identify this location. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- 10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

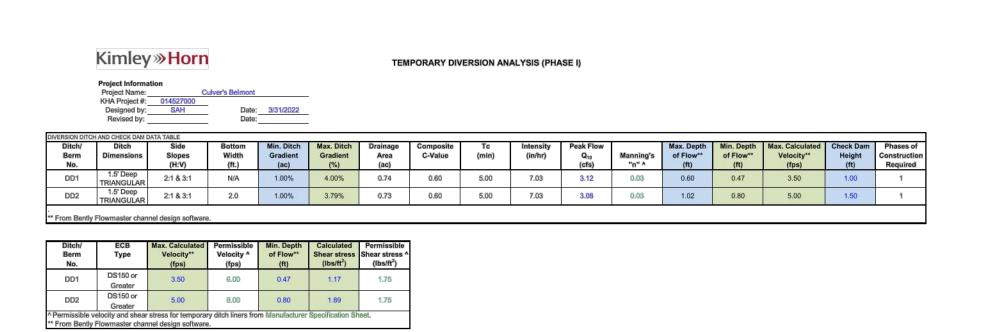
HERBICIDES, PESTICIDES AND RODENTICIDES

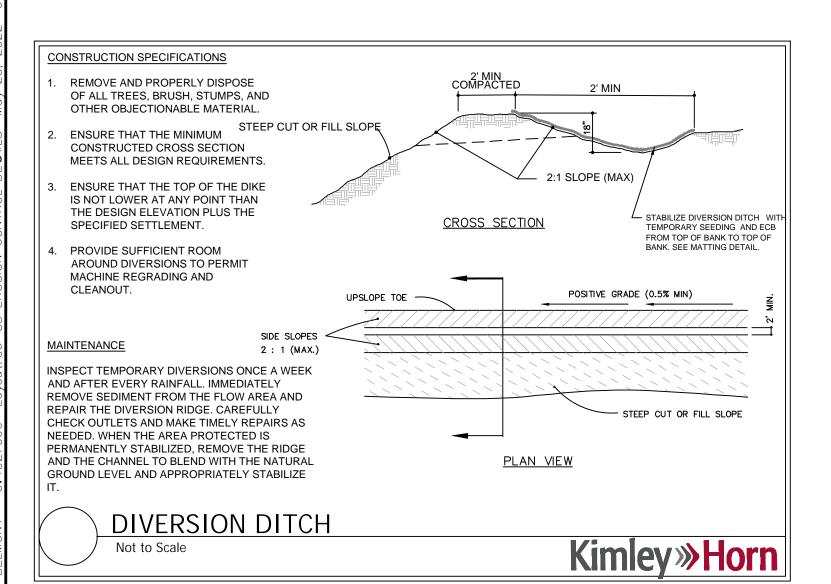
- Store and apply herbicides, pesticides and rodenticides in accordance with label
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- 4. Do not stockpile these materials onsite.

- . Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment. 3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

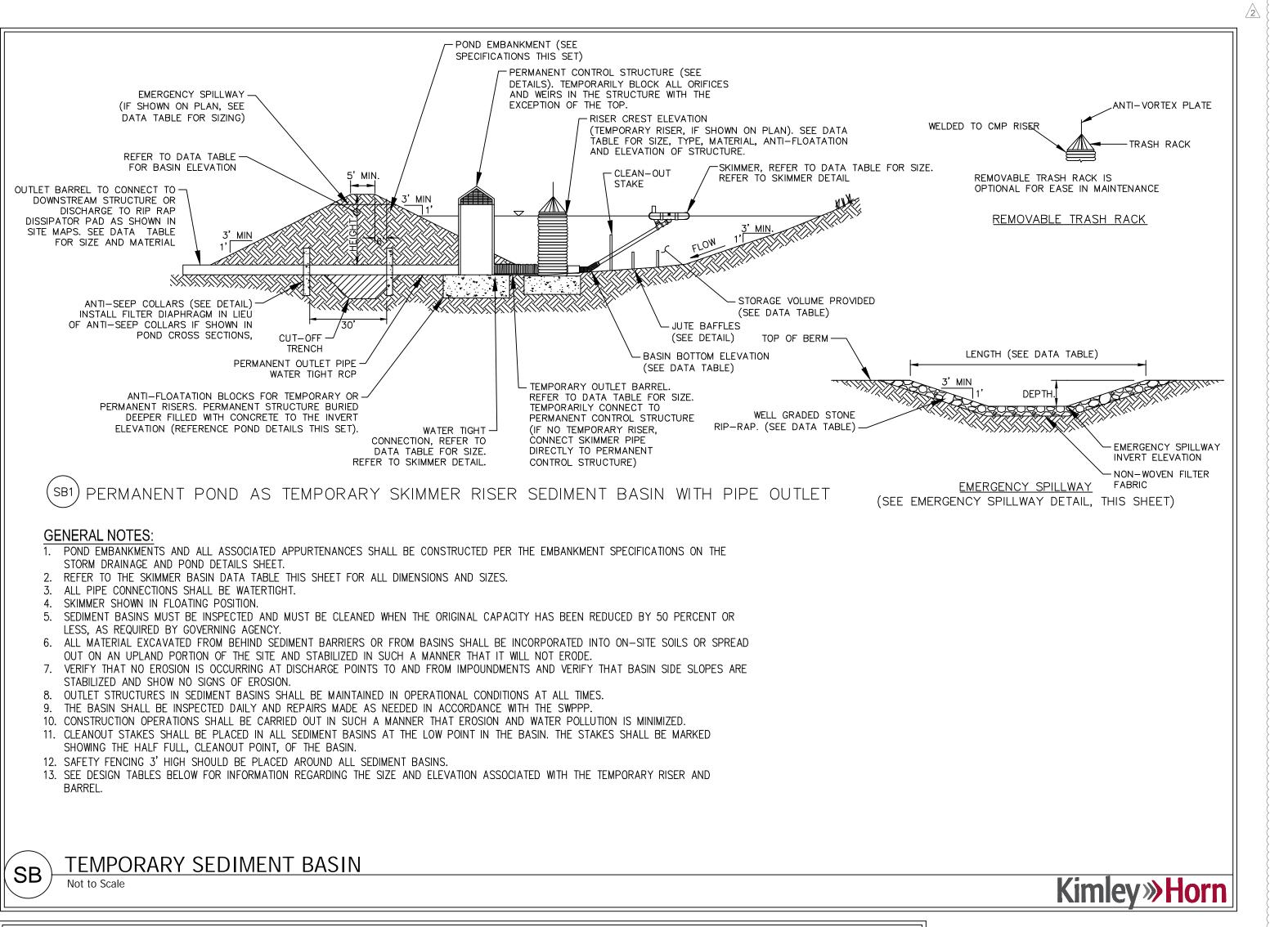
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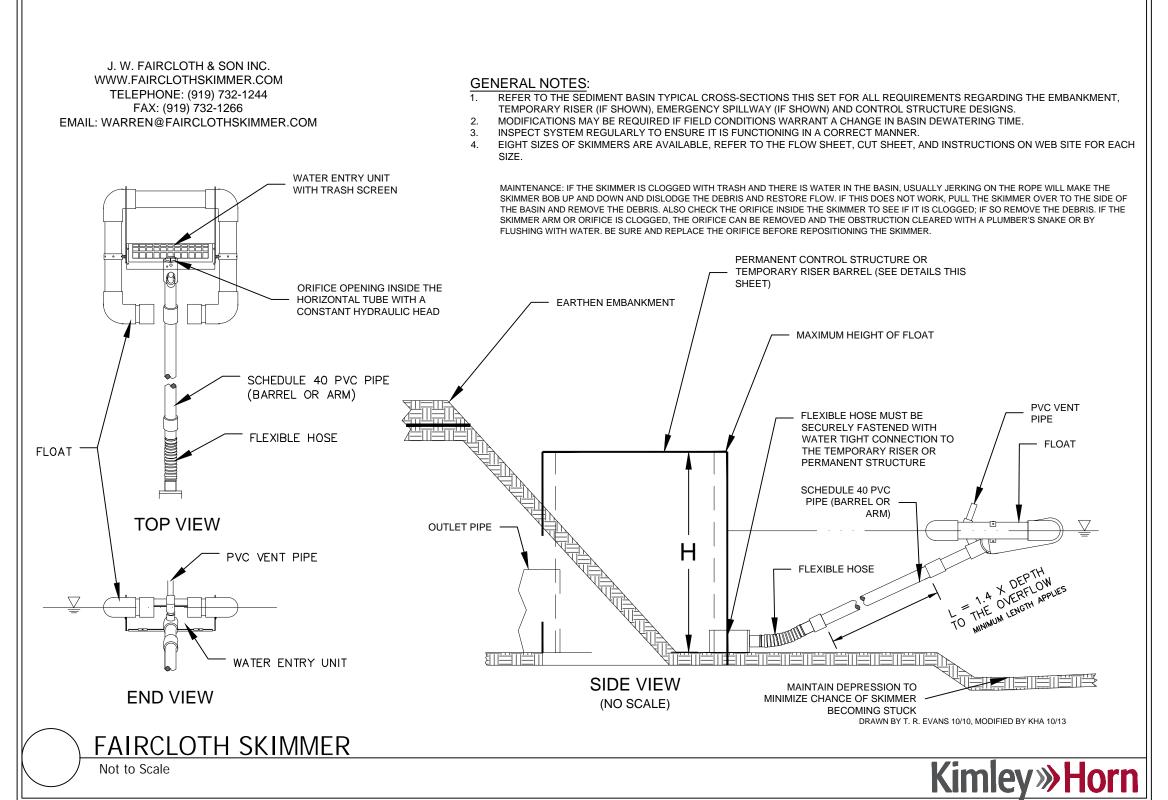
DIVERSION DITCH DATA TABLE



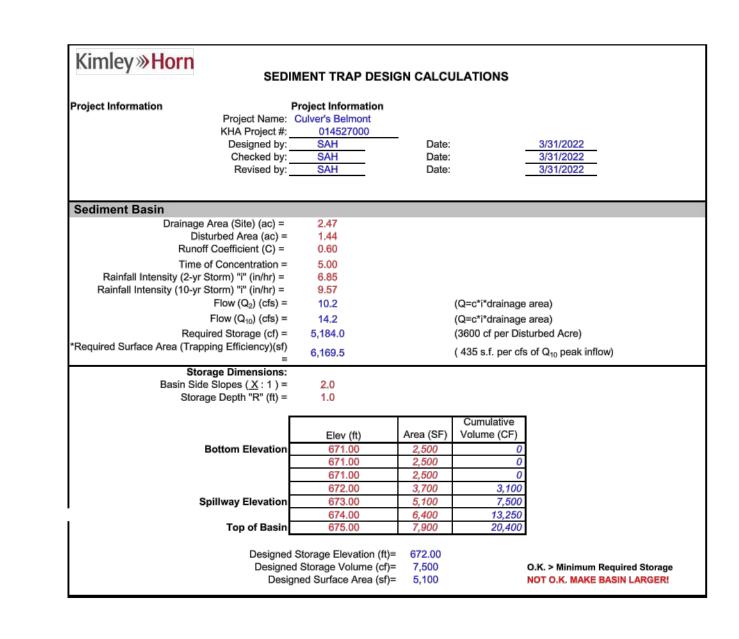


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SKIMMER SEDIMENT BASIN B DATA TABLE



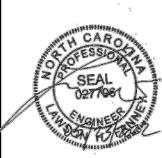
Page 1 of 1

CULVER'S - BELMON
HAWLEY AVE, BELMONT NC 28012
LAND LOT 15,16,17,18,19, __ND DISTRICT
PARCEL ID: 214364, 214365, 214366, 221080 & 2210

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ERN SOCIETY AROLINA



05/23/2022

DRAWN BY K

DESIGNED BY K

REVIEWED BY S

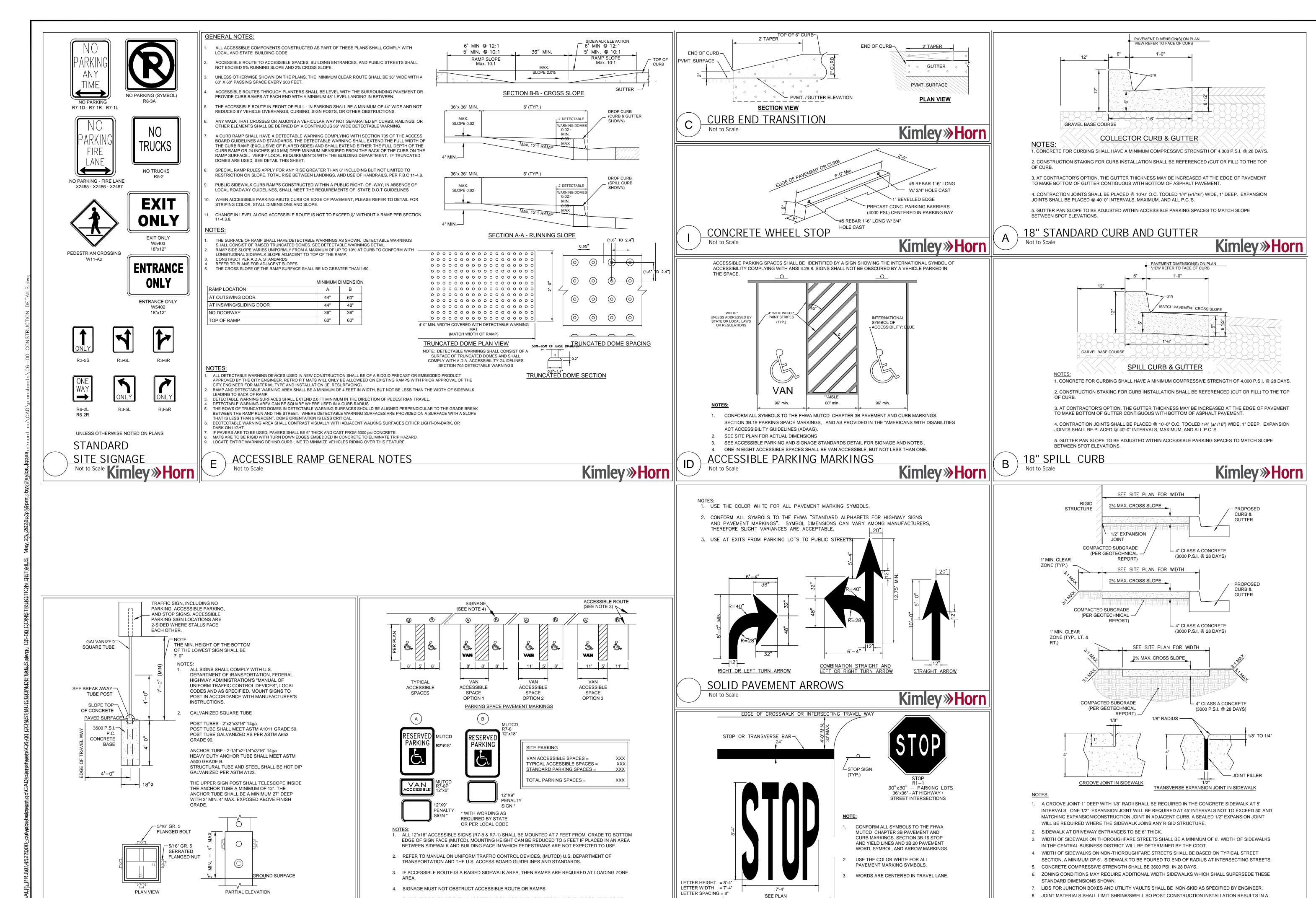
DATE 05/23/2022
PROJECT NO. 014527000

EROSION
CONTROL
DETAILS

C5-84

SHEET NUMBER

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STOP SIGNAGE AND MARKING

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0

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REVIEWED BY 05/23/202 PROJECT NO. 014527000

CONSTRUCTION

SHEET NUMBER **C6-00**

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SINGLE SIGN POST - BREAK AWAY

Not to Scale

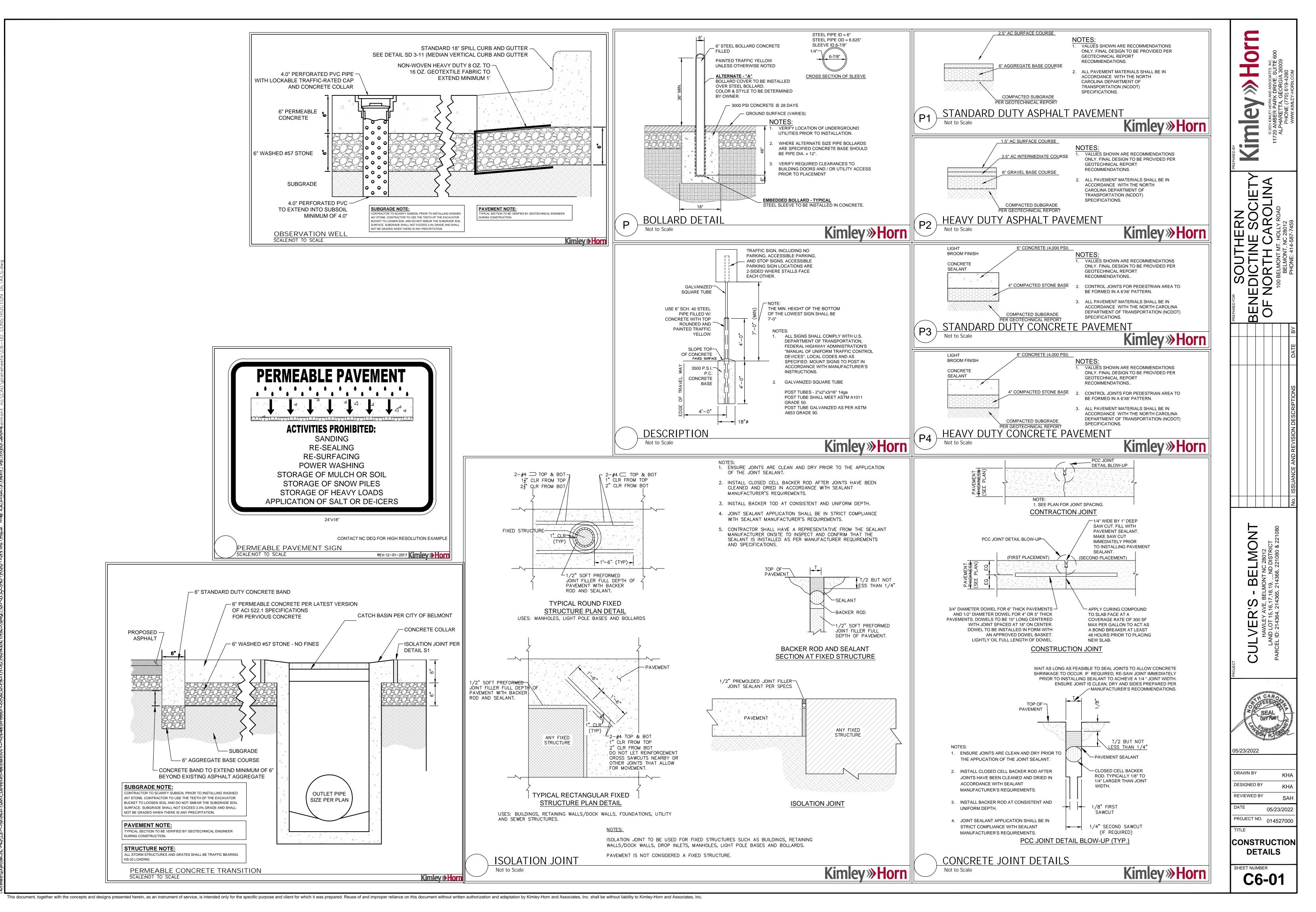
5. ONE OUT OF EVERY EIGHT (8) ACCESSIBLE SPACES, BUT NOT LESS THAN ONE, IS REQUIRED TO BE

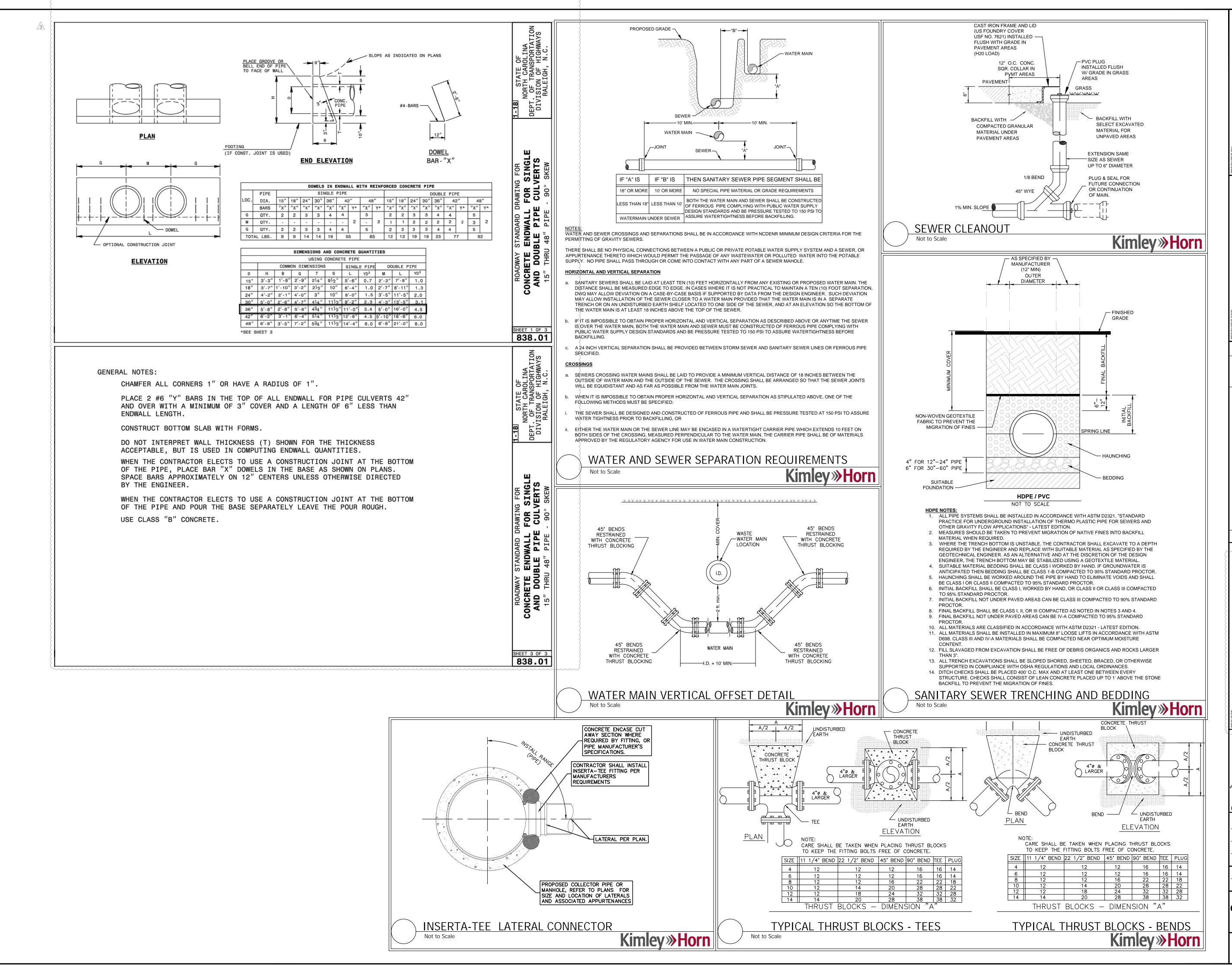
ACCESSIBLE PARKING AND SIGNAGE STANDARDS

Kimley » Horn

MAXIMUM OF 1/4" FROM FLUSH.

CONCRETE SIDEWALKS





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AMANA KIMIEY HORN COM

BENEDICTINE SOCIETY
OF NORTH CAROLINA
BELMONT, NC 28012

VER'S - BELMONT

HAWLEY AVE, BELMONT NC 28012
AND LOT 15,16,17,18,19, __ND DISTRICT
LID: 214364, 214365, 214366, 221080 & 221080

CARO FORESSION P SEAL 027708

05/23/2022

DRAWN BY KH.

DESIGNED BY KH.

REVIEWED BY SA

PROJECT NO. 014527000
TITLE
CONSTRUCTION

05/23/2022

SHEET NUMBER
C6-02

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SOUTHERN
SENEDICTINE SOCIETY
OF NORTH CAROLINA
BELMONT MT. HOLLY ROAD
BELMONT, NC 28012

NO. ISSUANCE AND REVISION DESCRIPTIONS

JLVER'S - BELMON HAWLEY AVE, BELMONT NC 28012 LAND LOT 15,16,17,18,19, __ND DISTRICT (CEL ID: 214364, 214365, 214366, 221080 & 2210

SEAL 027706

 05/23/2022

 DRAWN BY
 KH

 DESIGNED BY
 KH

DRAWN BY

DESIGNED BY

REVIEWED BY

DATE

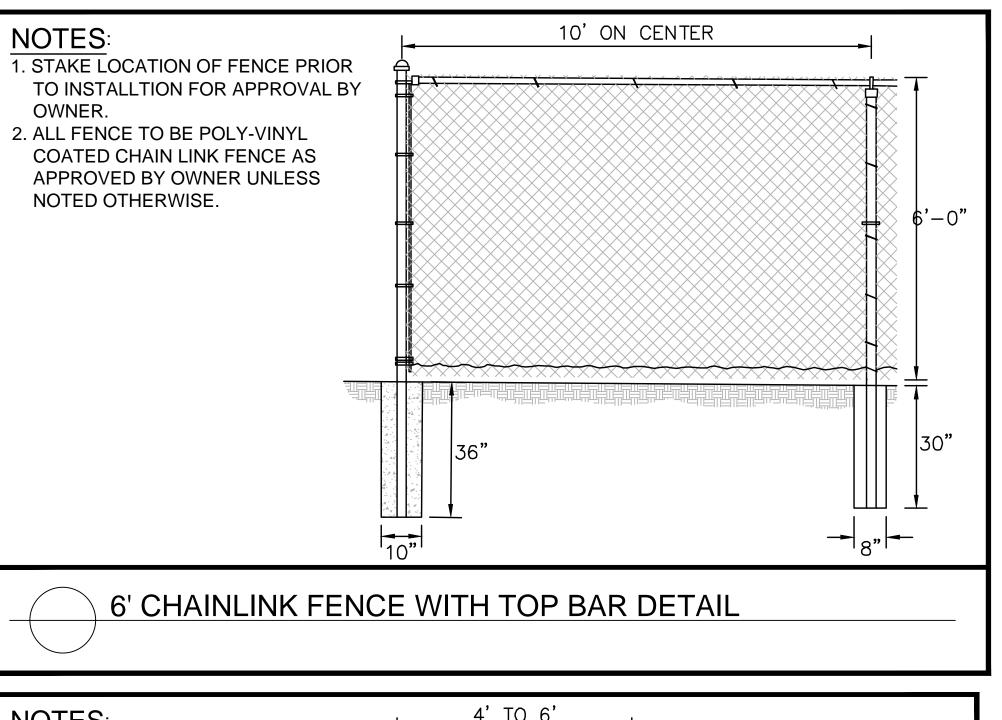
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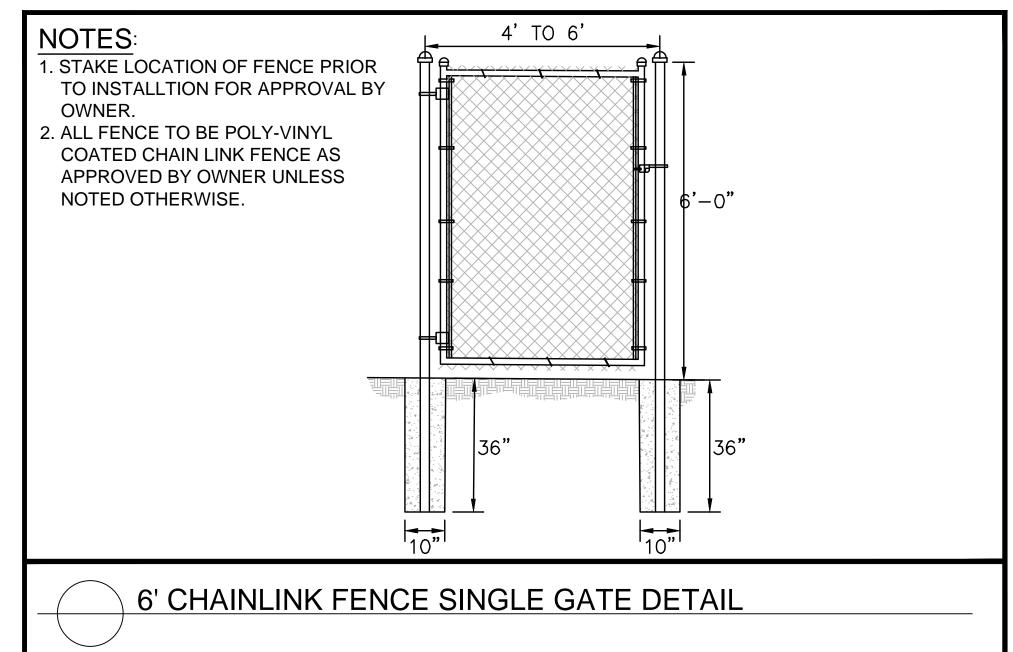
PROJECT NO. 014527000

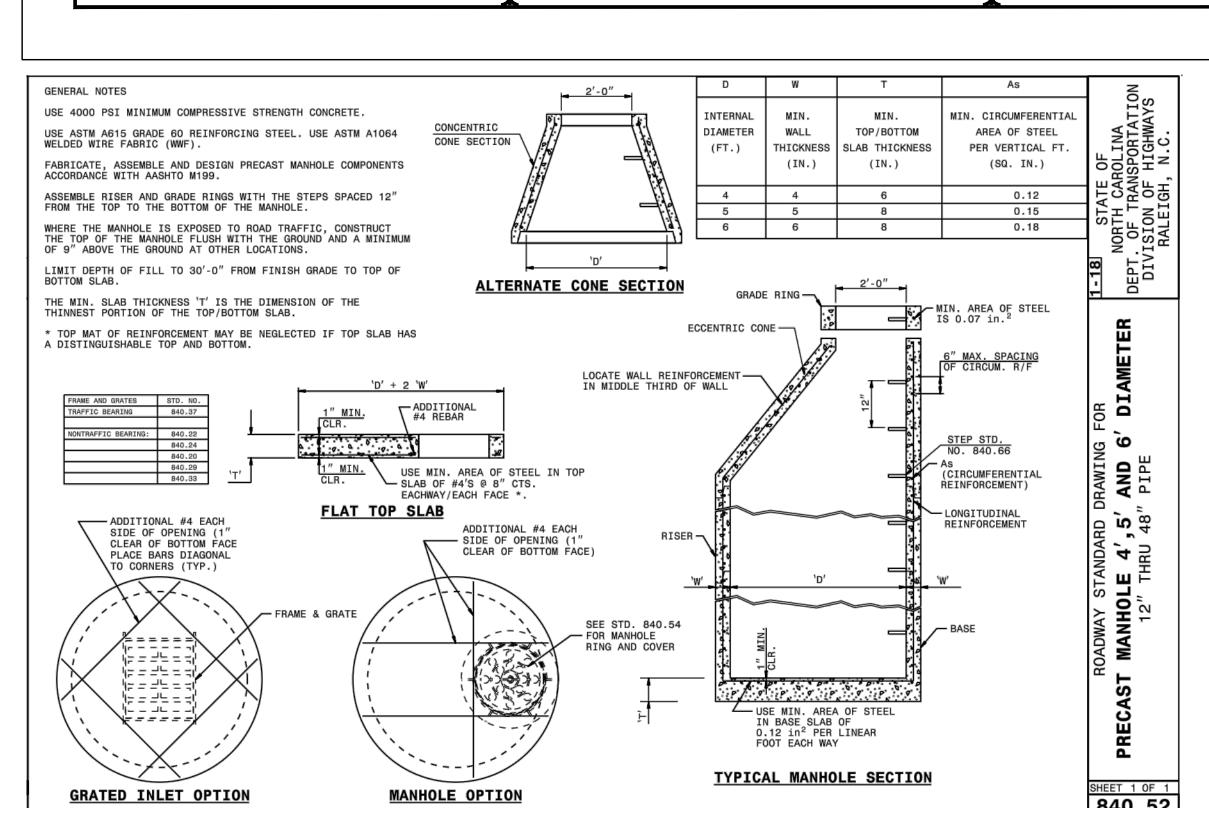
TITLE

CONSTRUCTION DETAILS

C6-03







SUBGRADE -

NOTE: RESERVOIR GRAVEL BASE TO BE WASHED, BANK-RUN, GDOT NO. 3 STONE (40% VOID SPACE)

TYPICAL PERVIOUS CONCRETE

PARKING LOT DESIGN SECTION

SOIL

10" SMOOTH WALL HDPE PERFORATED STORM PIPE IN

PERMEABLE SOCK TIED INTO STORM SYSTEM AT

MINIMUM OF 0.5% SLOPE

12" MIN

PERVIOUS CONCRETE

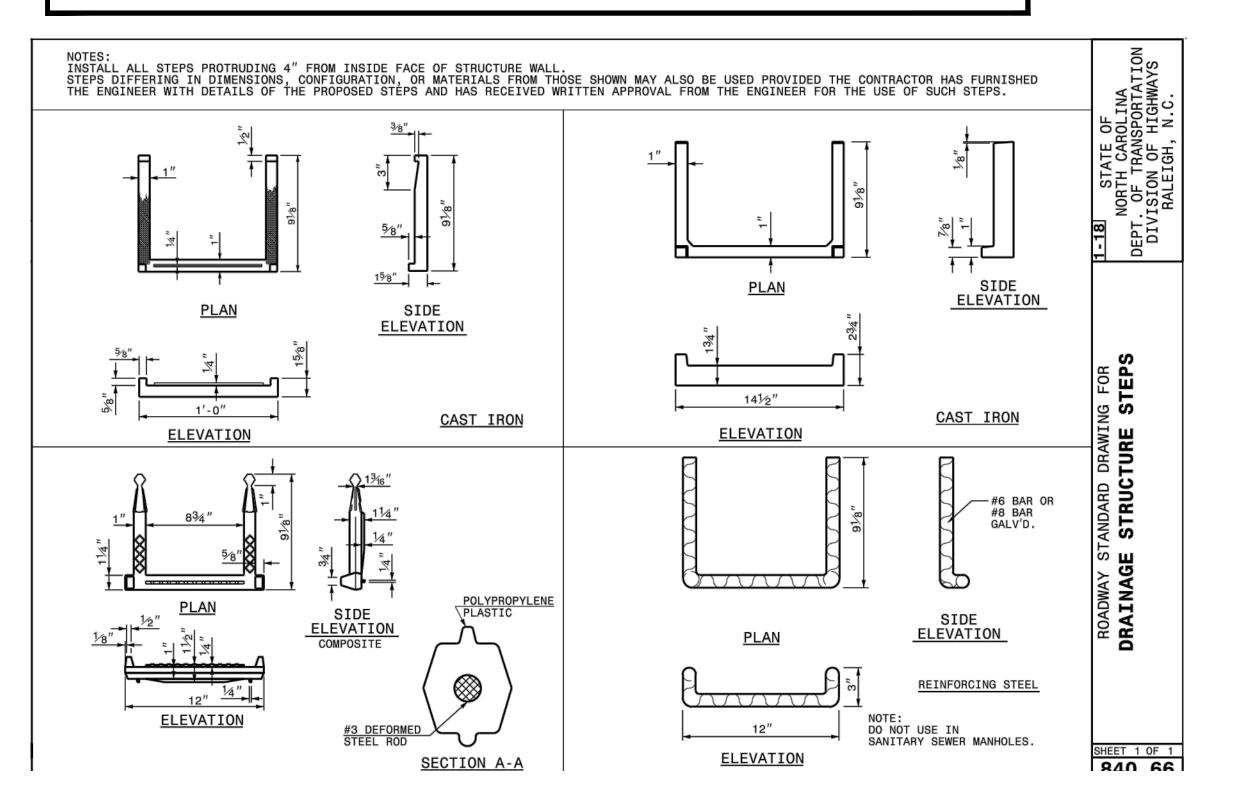
- MINIMUM 10"

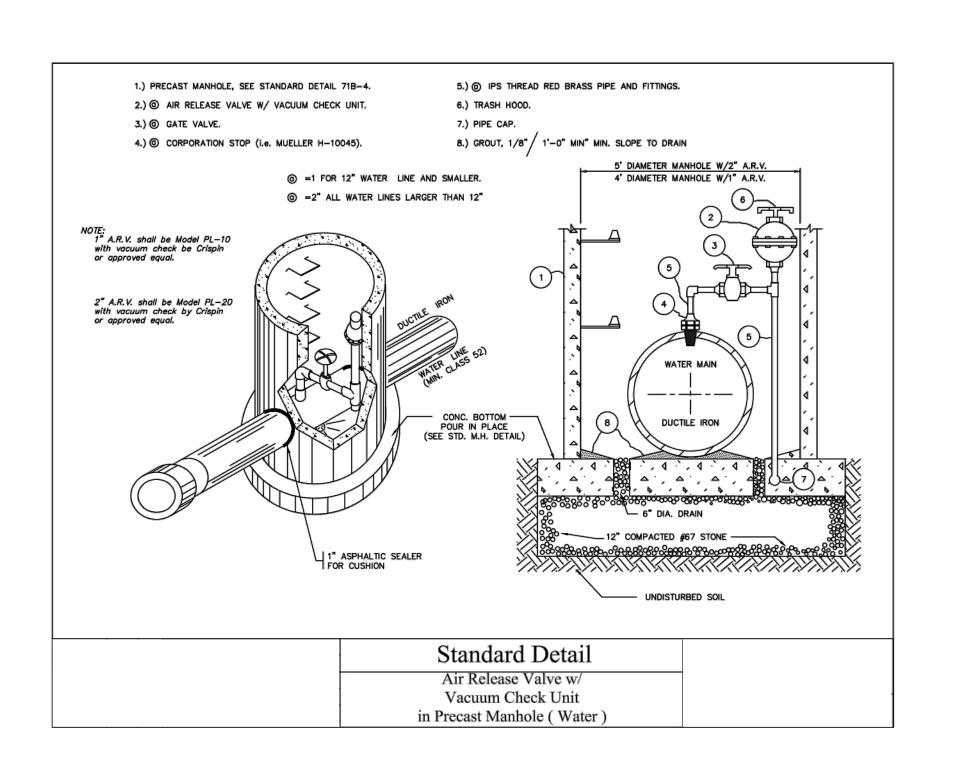
PERVIOUS CONCRETE

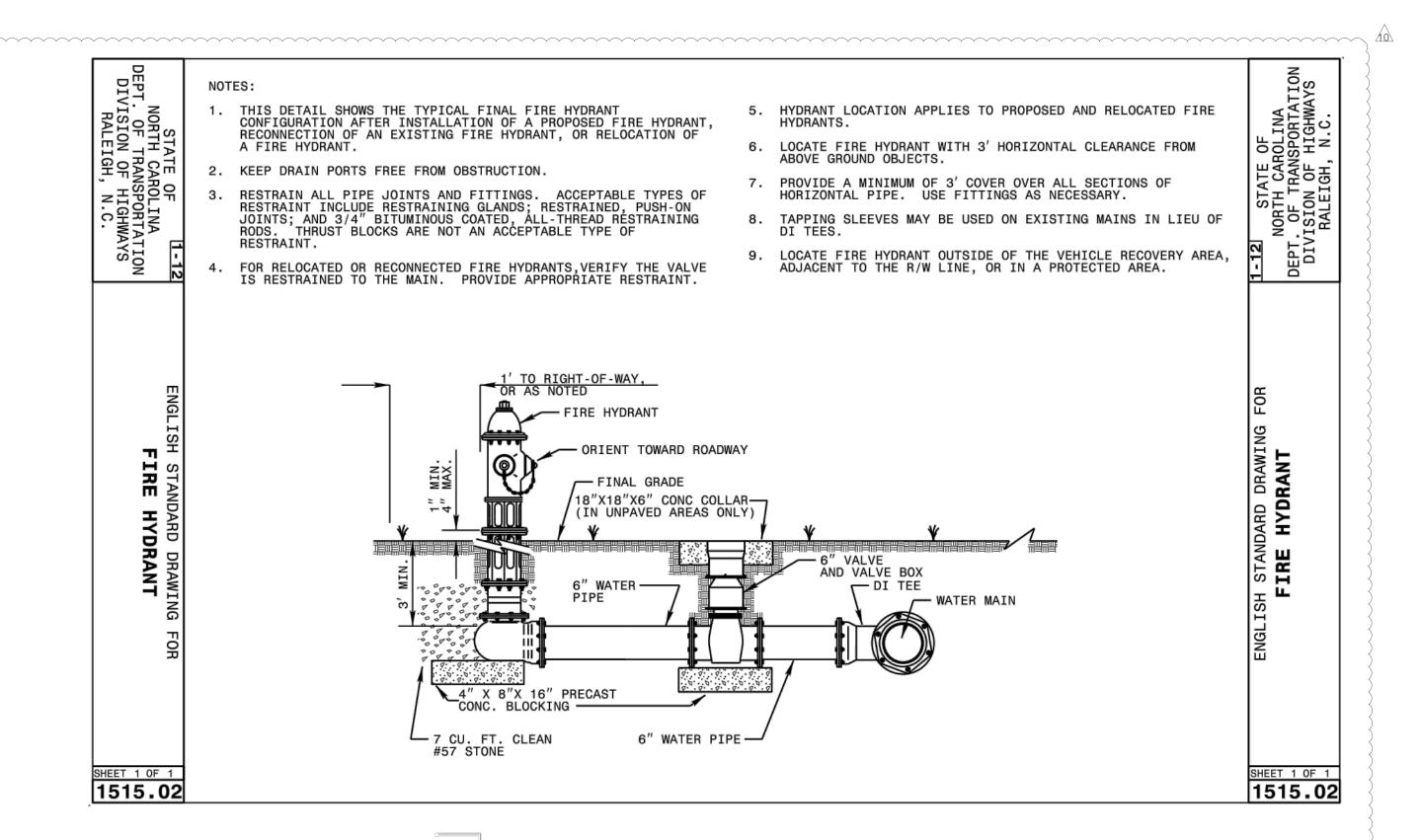
DETAIL

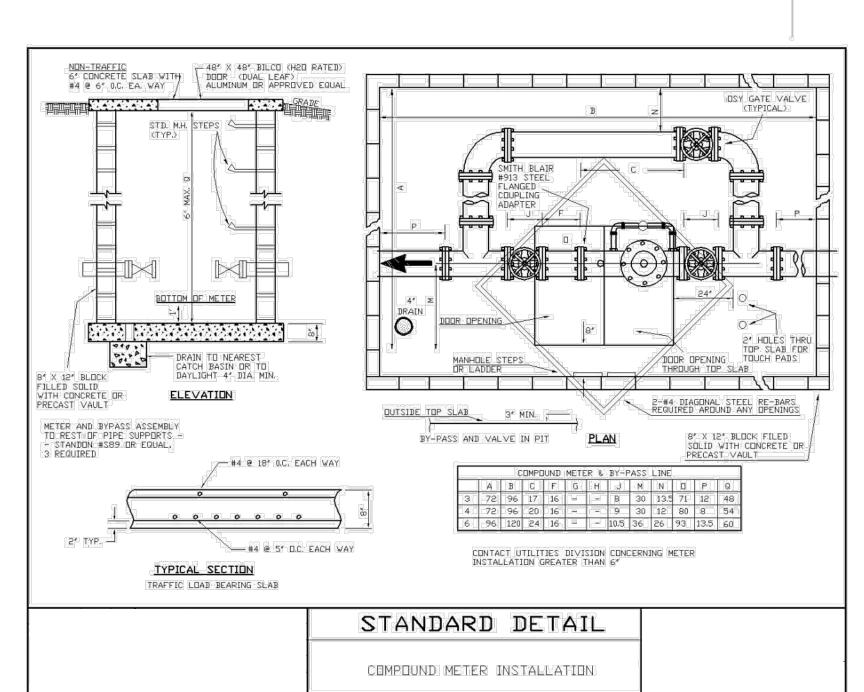
OPEN-GRADED COARSE AGGREGATE

NON-WOVEN FILTER FABRIC MEMBRANE

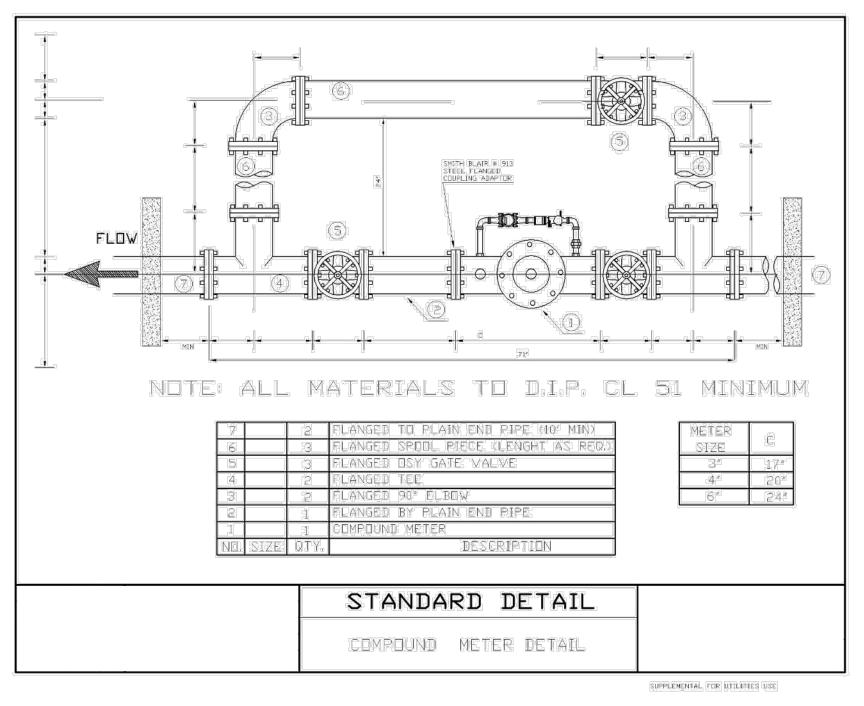


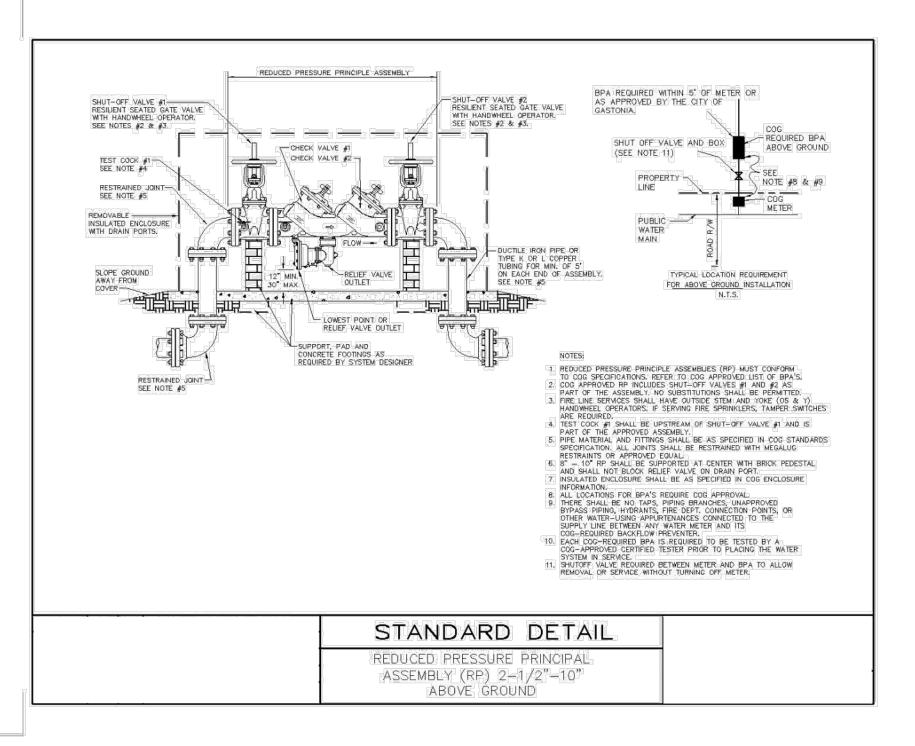






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BENEDICTINE SOCIETY

BENEDICTINE SOCIETY

OF NORTH CAROLINA

100 BELMONT MT. HOLLY ROAD

BELMONT, NC 28012
PHONE: 414-587-7459

0

CULVER'S - BELL HAWLEY AVE, BELMONT NC 28
LAND LOT 15,16,17,18,19, __ND DIS
PARCEL ID: 214364, 214365, 214366, 221



05/23/2022

DRAWN BY K

DESIGNED BY K

REVIEWED BY S

PROJECT NO. 014527000

TITLE

CONSTRUCTION

05/23/2022

DETAILSSHEET NUMBER

C6-04



Notes
R3-2 No Left Turn Sign
24"x24"

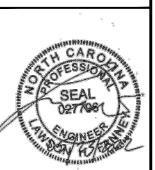
- Reflective Sheeting on Aluminum Radius Corners
- 3/8" Prepunched Holes
 High Intensity and Diamond Grade
 Signs Meet DOT and MUTCD State
 and Federal Guidelines

R2-3 NO LEFT TURN SIGN Not to Scale

Kimley»Horn

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Kimley» Horn



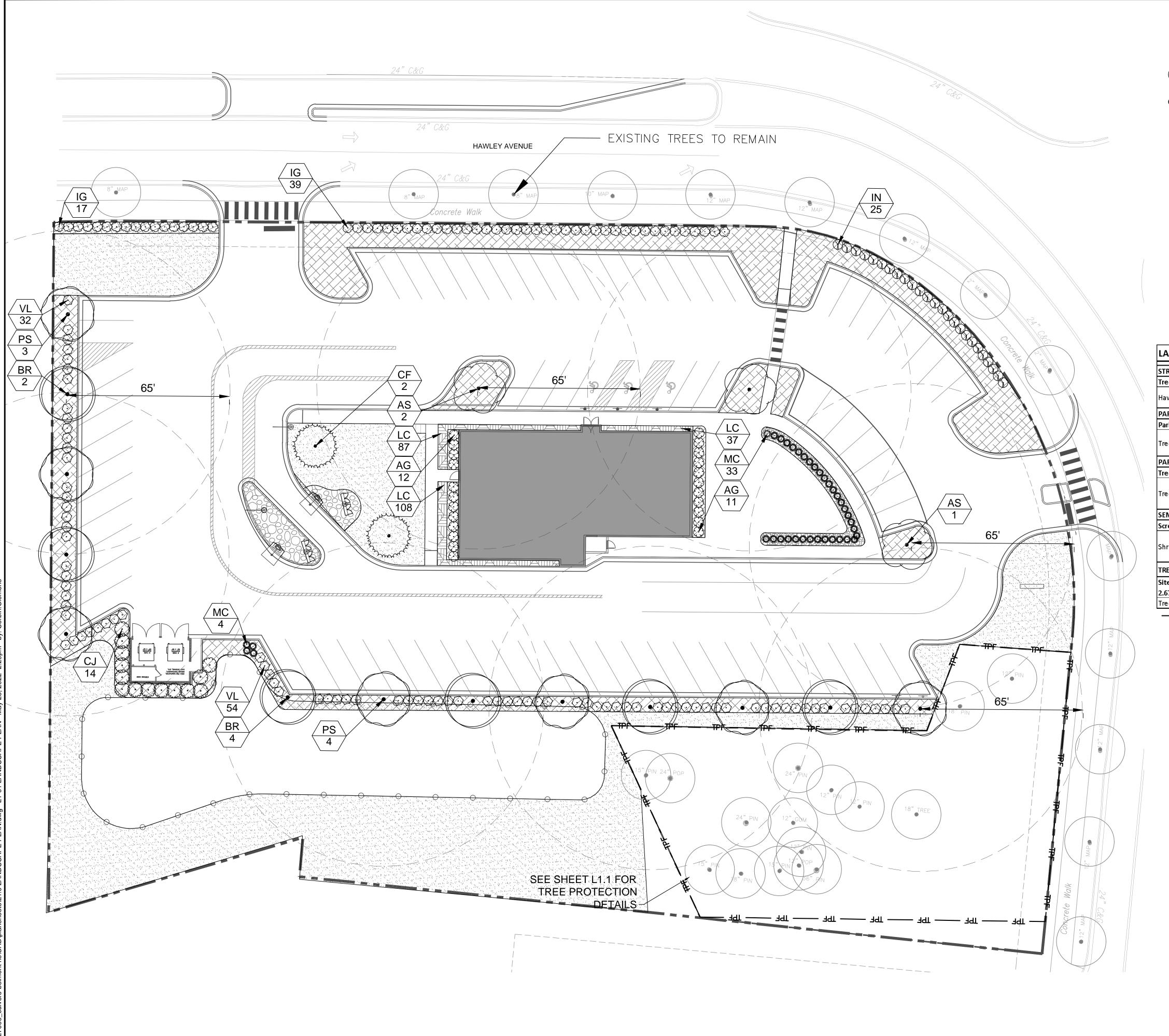
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I	05/23/2022

DRAWN BY	KHA
DESIGNED BY	KHA
REVIEWED BY	SAH
DATE	05/22/2022

PROJECT NO. 014527000

CONSTRUCTION **DETAILS**

C6-05



PLANT SCHEDULE

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	METHOD	SIZE	CAL
(\cdot)	AS	3	SUGAR MAPLE	ACER SACCHARUM	F.G., B & B	10`-12` MIN HEIGHT	2"-3" CAL
•)	BR	6	RIVER BIRCH	BETULA NIGRA	F.G., B & B	10`-12` MIN HEIGHT	2"-3" CAL
	CF	2	FLOWERING DOGWOOD	CORNUS FLORIDA	F.G., B & B	8-10` MIN HEIGHT	2"-3" CAL
	PS	7	JAPANESE FLOWERING CHERRY	PRUNUS SERRULATA	F.G., B & B	10`-12` MIN HEIGHT	2"-3" CAL
EVERGREEN SHRUBS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONTAINER	SPACING	SIZE
\odot	AG	23	GLOSSY ABELIA	ABELIA X GRANDIFLORA	5 GAL.	5` O.C.	20" FULL.
\odot	CJ	14	CAMELLIA	CAMELLIA JAPONICA	7 GAL.	6` O.C.	24" FULL
\bigcirc	IN	25	DWARF BURFORD HOLLY	ILEX CORNUTA 'BURFORDII NANA'	5 GAL.	5` O.C.	20" FULL.
()	IG	56	INKBERRY HOLLY	ILEX GLABRA	5 GAL.	5` O.C.	20" FULL.
\bigcirc	VL	87	LEATHERLEAF VIBURNUM	VIBURNUM RHYTIDOPHYLLUM	5 GAL.	5` O.C.	20" FULL.
ORNAMENTAL GRASSES	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONTAINER	SPACING	SIZE
0	MC	37	PINK MUHLY GRASS	MUHLENBERGIA CAPILLARIS	3 GAL.	3` O.C.	20" FULL.
GROUND COVERS	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONTAINER	SPACING	SIZE
	XE	1,119 SF	RIVER STONE		SOD	18" O.C.	12" FULL
	CD	15,697 SF	BERMUDA GRASS	CYNODON DACTYLON	SOD		
	DA	10,165 SF	HARDWOOD MULCH	DOUBLE SHREDDED HARD HARDWOOD MULCH	MULCH		
	LC	498 SF	CREEPING LILYTURF	LIRIOPE SPICATA	3 GAL	18" O.C.	12" FULL

LANDSCAPE REQUI	REMENTS	
STREET TREE CANOPY REG	QUIREMENTS (per city code s	ection 11)
Trees	Required	Provided
Hawley Avenue (510 lf)	1 per 45ft. O.C. = 12 trees	13 existing trees to remain
PARKING REQUIREMENT	S (per city code section 11)	
Parking	Required	Provided
Trees	No parking space may be more than 60' from a tree	16 trees
PARKING LOT INTERIOR P	PLANTINGS (per city code sec	tion 11)
Trees	Required	Provided
Trees	A tree ceiling over the parking area to provide shelter from sun and rain	16 trees
SEMI OPAQUE SCREEN (p	er city code section 11)	
Screen	Required	Provided
Shrubs	Semi opaque screen for screening of car lights and glare	Semi opaque screen
TREE SAVE REQUIREMEN	TS (per city code section 11)	
Site Area 2.67 acres	Required	Provided
Tree Save	10% Tree Save Area = .27 ac.	.32 ac.
— TPF —— TP	F — - TREE PROTEC	TION FENCE

ANDSCAPE NOTES:

ALL LANDSCAPED AREAS ARE TO RECEIVE A MINIMUM OF 3" OF TOPSOIL. DO NOT MOUND MULCH AGAINST ROOT FLARES.

ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.

ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.

ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE

ALL PLANTING AREAS SHALL BE COMPLETELY MULCHED AS

ANY DISTURBED GRASS AREA IS TO BE REPLANTED. ALL SLOPES 3:1 OR GREATER SHALL BE SEEDED WITH SLOPE MASTER NO-MOW MIX OR OWNER APPROVED EQUAL.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA 2) TO PROTECT OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.

CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.

0. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING. SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN FOR THE WARRANTY PERIOD.

OCCURS AS A RESULT OF THE CONSTRUCTION.

ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS WITHIN WARRANTY

12. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR WARRANTY PERIOD. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS DURING THE NORMAL PLANTING SEASON.

13. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.

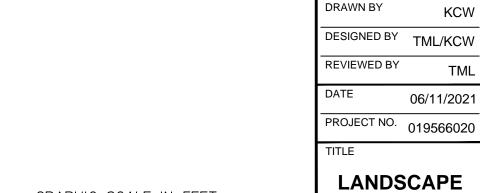
14. ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES, AND SHALL BE STATE STANDARD OR

15. ALL INVASIVE / EXOTIC SPECIES AND PROHIBITED TREE SPECIES SHALL BE REMOVED FROM SITE, INCLUDING ROOT BALLS TO THE EXTENT POSSIBLE WITH NO DAMAGE TO ADJACENT EXISTING

16. ALL LANDSCAPE AREAS WILL BE PROVIDED WITH PERMANENT AUTOMATIC IRRIGATION SYSTEM. (SEE IRR PLANS)

17. TREE SUPPORT MATERIALS ARE TO BE REMOVED FROM EACH TREE ONCE IT IS "ESTABLISHED" (AS APPROVED BY THE LANDSCAPE ARCHITECT).

18. ALL PLANT SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET THE MOST STRINGENT SPECIFICATION.



2201

. Handleton 05-23-202

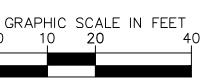
(LEVEL II) 0000064358

PLAN

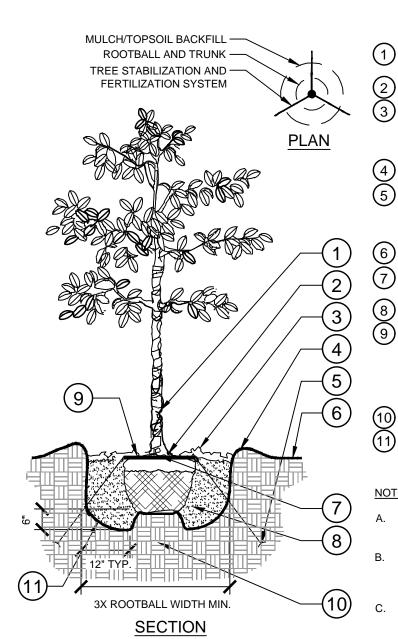
L1-01

SHEET NUMBER

06/11/2021



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1 TRUNK/ROOT BALL TO BE CENTERED AND PLUMB/LEVEL IN PLANTING PIT.

(2) 6" DIA. CLEAR OF MULCH AT TRUNK FLARE. (3) 3" MINIMUM MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES SHALL BE 6' DIAMETER (MIN.) OR

AS DIRECTED BY OWNER'S REPRESENTATIVE. (4) 4" HIGH BERM, FIRMLY COMPACTED.

(5) TREE FROG ANCHOR SYSTEM INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

(6) FINISHED GRADE. (SEE GRADING PLAN) 7 TOP OF ROOTBALL MIN. 1" ABOVE FINISHED

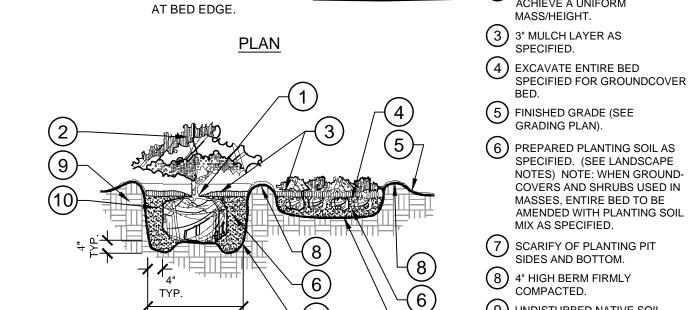
(8) PREPARED PLANTING SOIL AS SPECIFIED. 9 TOP OF ROOTBALL SHALL BE 1" ABOVE FINISHED GRADE. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIAMETER MAY SIT ON COMPACTED EARTH. (10) UNDISTURBED NATIVE SOIL.

SCARIFY BOTTOM AND SIDES OF PLANTING

FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

REMOVE BURLAP, WIRE AND STRAPS (ANYTHING THAT COULD GIRDLE TREE OR RESTRICT ROOT GROWTH) ON UPPER 1/3 OF ROOTBALL.

PRUNE ALL TREES IN ACCORDANCE WITH ANSI



SECTION

3X ROOT BALL WIDTH

BEST FACE OF SHRUB/

REFER TO PLANT

GROUNDCOVER TO FACE

FRONT OF PLANTING BED.

SCHEDULE FOR SPACING.

MAINTAIN 12" DEAD ZONE-

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.

C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY OWNERS REPRESENTATIVE.

1 TOP OF SHRUB ROOTBALLS TO

OF ROOTBALL.

MASS/HEIGHT.

SPECIFIED.

2 PRUNE ALL SHRUBS TO

ACHIEVE A UNIFORM

BE PLANTED 1" - 2" HIGH WITH

SPECIFIED. (SEE LANDSCAPE

NOTES) NOTE: WHEN GROUND-COVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE

AMENDED WITH PLANTING SOIL

MIX AS SPECIFIED.

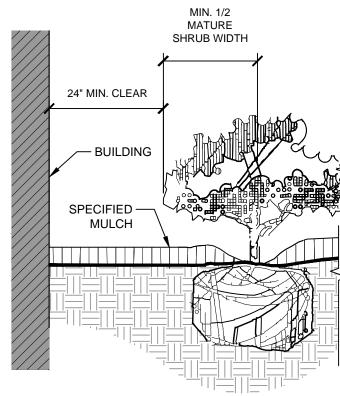
SCARIFY OF PLANTING PIT SIDES AND BOTTOM.

(9) UNDISTURBED NATIVE SOIL.

10 FERTILIZER TABLETS (MAX 3"

SOIL MOUNDING UP TO THE TOP

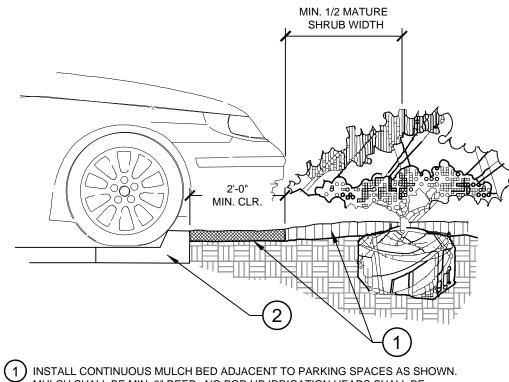
SHRUB/GROUNDCOVER PLANTING



1. CLEAR ZONE: 36" MIN. FROM BUILDING TO CENTER OF NEAREST SHRUB.

2. INSTALL SPECIFIED MULCH: 24" MIN. FROM BUILDING. SPECIFIED MULCH TO BE INSTALLED AT A DEPTH OF 3" (MIN.)

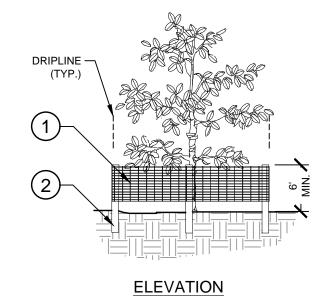
\ PLANTINGS ADJACENT TO BUILDINGS



1) INSTALL CONTINUOUS MULCH BED ADJACENT TO PARKING SPACES AS SHOWN. MULCH SHALL BE MIN. 3" DEEP. NO POP-UP IRRIGATION HEADS SHALL BE LOCATED WITHIN 24" OF A PARKING SPACE ON ANY SIDE.

2 CURB / PARKING LOT EDGE.

PARKING SPACE/CURB PLANTING



1 TREE PLANTING

APPROVAL PRIOR TO INSTALLATION. 2) 8' TALL METAL "T" POSTS OR 2" x 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

(1) 6'H "PERIMETER PLUS" CONSTRUCTION

SUBMIT PRODUCT INFORMATION FOR

FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL.

INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).

D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONWED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

CONNECTION 5 TREE PROTECTION FENCING
ELEVATION / PLAN

CORNER

(LEVEL II) 0000064358 DRAWN BY

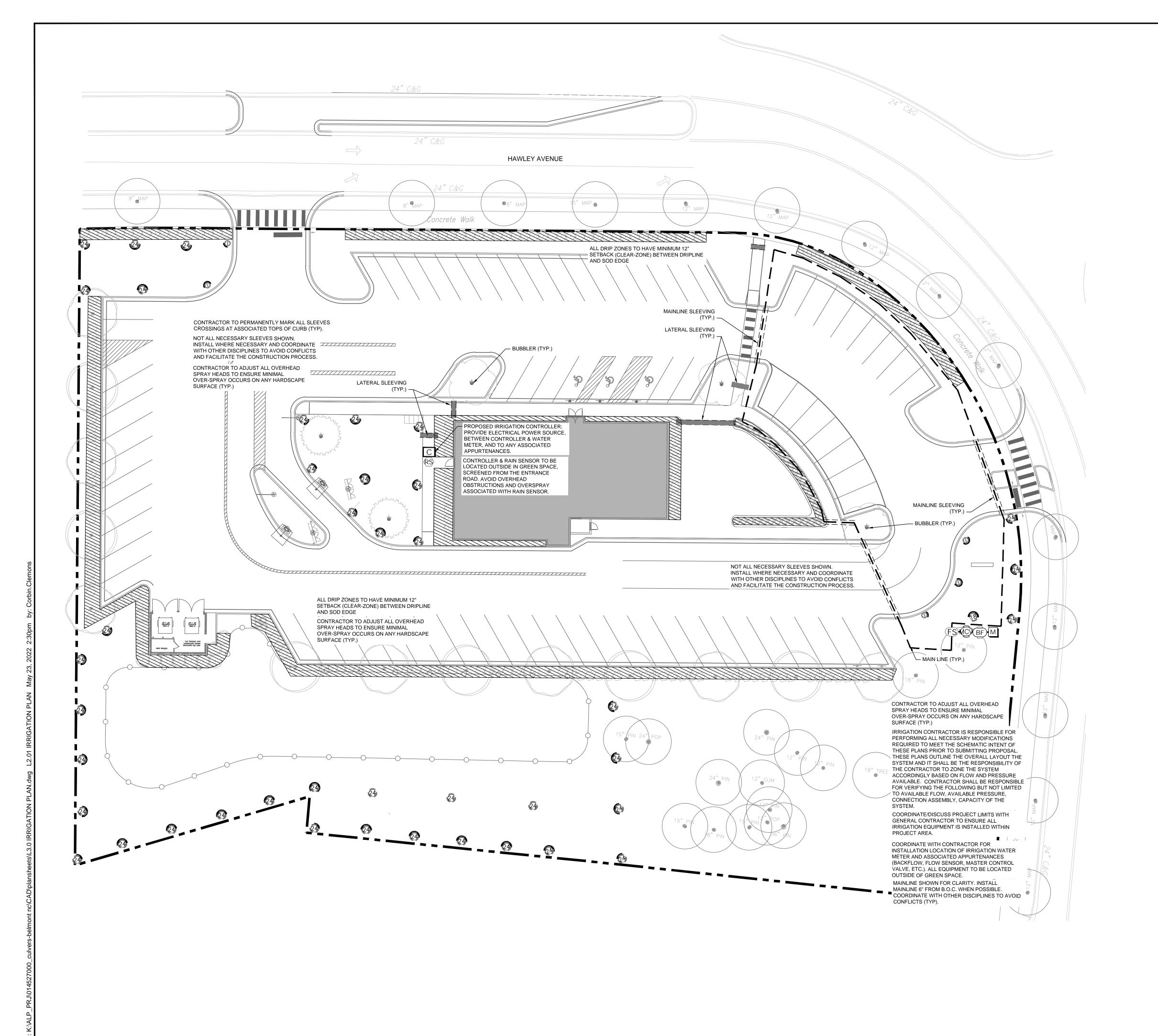
DESIGNED BY TML/KCW REVIEWED BY 06/11/2021

PROJECT NO. 019566020 LANDSCAPE

SHEET NUMBER L1-02

DETAILS

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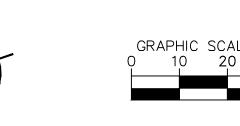
IRRIGATION SCHEDULE

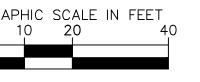
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PS
14 ADJ 14 F	RAIN BIRD R-VAN14 1806-SAM-P45 TURF ROTARY, 8'-14' 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 6" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	5	40
18 18 18 ADJ 18 F	RAIN BIRD R-VAN18 1806-SAM-P45 TURF ROTARY, 13`-18` 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 6" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	1	40
24 24 24 ADJ 24 F	RAIN BIRD R-VAN24 1806-SAM-P45 TURF ROTARY, 17`-24` 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 6" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	41	40
1401 1402 1404 1408	RAIN BIRD 1804-PRS-1400 FLOOD 1401 FLOOD BUBBLER 4" POPUP WITH PRESSURE REGULATING DEVICE.	5	20
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>	
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFD-09-12 XFD ON-SURFACE PRESSURE COMPENSATING LANDSCAPE DRIPLINE. 0.9 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS.	5,622 L.F.	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	RAIN BIRD 300-BPES-PRS-D GLOBE 3" 3" BRASS MASTER VALVE, WITH GLOBE CONFIGURATION, AND PRESSURE REGULATOR MODULE. WITH A PATENTED NYLON SCRUBBER THAT SCRAPES A STAINLESS STEEL SCREEN TO PREVENT DEBRIS BUILD-UP AND CLOGGING.	1	
BF	FEBCO 825Y 1-1/2" REDUCED PRESSURE BACKFLOW PREVENTER	1	
С	RAIN BIRD ESP4ME3 WITH (1) ESP-SM3 7 STATION, HYBRID MODULAR OUTDOOR CONTROLLER. FOR RESIDENTIAL OR LIGHT COMMERCIAL USE. LNK WIFI MODULE AND FLOW SENSOR READY.	1	
RS	RAIN BIRD RAINGAUGE RAIN SENSOR FOR MAXICOM OR SITECONTROL. CUSTOMIZES WEATHER DATA BY PROVIDING SITE-SPECIFIC RAINFALL MEASUREMENTS, AND SENDING TO CENTRAL CONTROLLER DAILY.	1	
M	WATER METER 1-1/2"		
	IRRIGATION MAINLINE: PVC SCHEDULE 40	481.8 L.F.	
======	PIPE SLEEVE: PVC SCHEDULE 40	109.2 L.F.	

FLOW TOTALS
Area for Dripline: 84.3
Bubbler: 5.0
Turf Rotary: 64.0
Total: 153.3 G

IRRIGATION NOTES

- 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, ETC. PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN PLANS OR SPECIFICATIONS PRIOR TO BEGINNING OR CONTINUING WORK.
- 3. THE CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETIONS, OR ADDITIONS TO THIS PLAN WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT.
- 4. ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS.
- 5. THIS PLAN IS SCHEMATIC AND DUE TO THE NATURE OF CONSTRUCTION SLIGHT FIELD MODIFICATIONS MAY BE NECESSARY TO IMPLEMENT PLAN.6. CONTRACTOR TO VERIFY ACTUAL AVAILABLE WATER PRESSURE BEFORE BEGINNING INSTALLATION. CONTRACTOR SHALL
- NOTIFY LANDSCAPE ARCHITECT IF AVAILABLE WATER PRESSURE WILL NOT ALLOW SYSTEM MODIFICATION TO BE POSSIBLE.
- 7. IRRIGATION SYSTEMS CONNECTED TO POTABLE WATER SUPPLY, SHALL HAVE A BACKFLOW PREVENTER INSTALLED.
- 8. WHERE APPLICABLE IRRIGATION HEADS ARE TO BE ADJUSTED FOR COMPLETE COVERAGE WITH MINIMUM OVER SPRAY BEYOND LANDSCAPE AREAS.
- 9. EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE.
- 10. ALL IRRIGATION SLEEVING TO BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR. ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES.
- 11. IRRIGATION CONTRACTOR SHALL REVIEW WINTERIZATION PROCEDURES FOR IRRIGATION SYSTEM WITH OWNER'S REPRESENTATIVE.
- 12. ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE MANUALLY WATERED/IRRIGATED TO KEEP MOIST UNTIL PLANTED.13. CONTRACTOR TO PROVIDE PERMANENT BENCH-MARKS ON ALL CURB LINES AT RELATED SLEEVE LOCATIONS (TYP).
- 14. THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED TO MINIMIZE ROOT DISTURBANCE IN EXISTING TREES.
- 15. IRRIGATION SPRAYS AND ROTORS ARE NOT COMBINED ON THE SAME CONTROL VALVE CIRCUIT LANDSCAPE BEDS AND TURF ON SEPARATE CIRCUITS.
- 16. MATCH PRECIPITATION RATES WITH ANY HEADS THAT ARE REPLACED.





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ALPHARETTA, GEORGIA 30009
PHONE (770) 619-4280

BNC LAND CO. LL
3510 N OAKLAND AVE, SUITE 210
SHOREWOOD, WI 53211

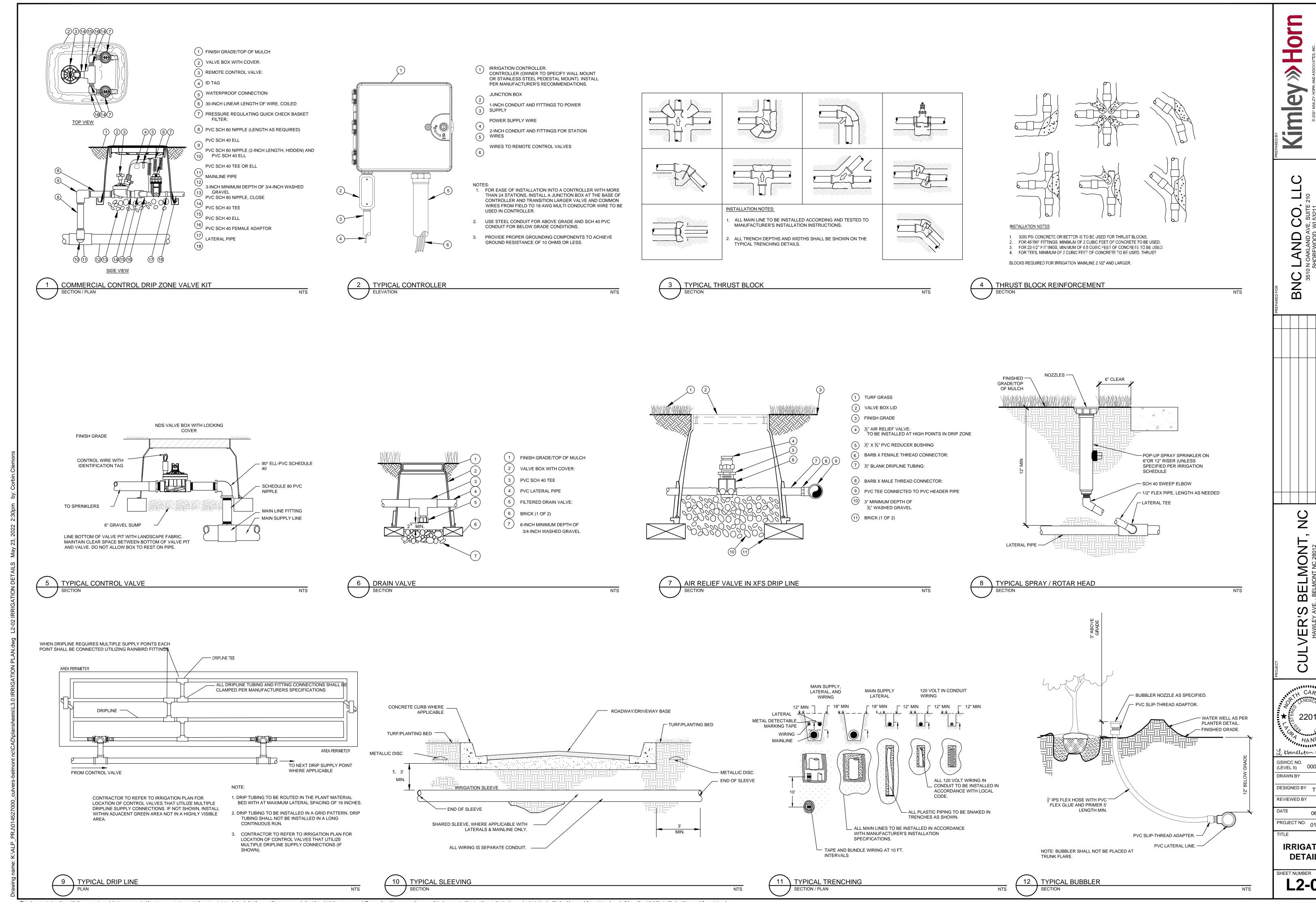
LVER'S BELMONT, NC HAWLEY AVE., BELMONT NC 28012



RRIGATION PLAN

PROJECT NO. 019566020

L2-01



. Handleton 05-23-202

(LEVEL II) 0000064358

DESIGNED BY TML/KCW

06/11/202 PROJECT NO. 019566020

IRRIGATION DETAILS

DRAWN BY KC

DESIGNED BY TML/KCW
REVIEWED BY TMI

DATE 06/11/2021
PROJECT NO. 019566020

IRRIGATION

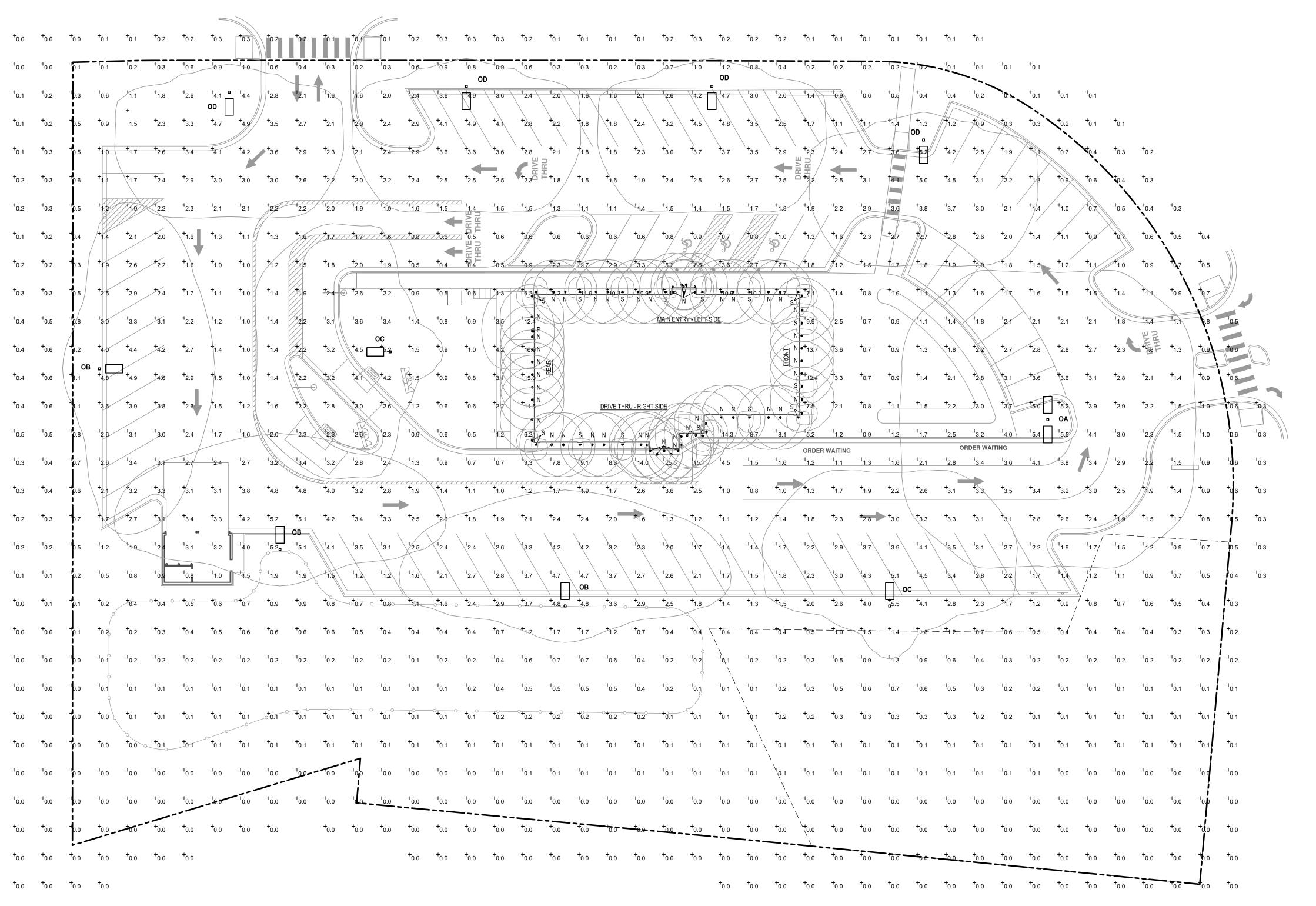
SPECIFICATIONS

SHEET NUMBER

IRRIGATION SYSTEM NOTES:

- 1. THE IRRIGATION MAINLINE LAYOUT IS DIAGRAMMATIC. ANY CHANGES MADE IN THE IRRIGATION MAINLINE DUE TO FIELD CONDITIONS OR CONTRACTOR'S SUBMITTED DESIGN SHALL BE IN ACCORDANCE WITH THESE STANDARDS.
- 2. SET SPRAY HEADS 6" AND ROTORS 12" IN FROM BACK OF CURB OR 24" IF PAVEMENT HAS NO CURB.
- 3. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL NECESSARY MODIFICATIONS REQUIRED TO MEET THE SCHEMATIC INTENT OF THESE PLANS OUTLINE THE OVERALL LAYOUT THE SYSTEM AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ZONE THE SYSTEM ACCORDINGLY BASED ON FLOW AND PRESSURE AVAILABLE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE FOLLOWING BUT NOT LIMITED TO AVAILABLE PRESSURE, CONNECTION ASSEMBLY, CAPACITY OF THE SYSTEM.
- 4. CONTRACTOR TO PROVIDE NEW AUTOMATIC CONTROLLER FOR PROPOSED SYSTEM (NO BATTERY OPERATED CONTROLLERS ALLOWED). COORDINATE LOCATION WITH OWNER.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AUTOMATIC RAIN SENSOR. COORDINATE LOCATION W/ OWNER.
- 6. IRRIGATION SHALL NOT BE COMBINED ON A SINGLE ZONE AND SHALL BE ZONED ACCORDING TO IRRIGATION TYPE, PRECIPITATION RATE, AND THE SYSTEM'S AVAILABLE WATER / PRESSURE. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO OWNER FOR REVIEW PRIOR TO INSTALLATION.
- 7. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL FIELD VERIFY.
- 8. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.
- 9. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.
- 10. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
- 11. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT.
- 12. PRODUCTS SHALL BE AS SPECIFIED OR APPROVED EQUAL.
- PRE-APPROVED MANUFACTURERS:
- 1. TORO
- 2. HUNTER 3. RAINBIRD
- 13. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.
- 14. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED WITHIN SCH. 40 PVC 2x SIZE OF PIPE AND FREE OF STONES/DEBRIS. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS.
- 15. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.
- 16. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.
- 17. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.
- 18. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SCH. 40 PVC SLEEVES. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.
- 19. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK
- 20. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.
- 21. ELECTRIC SERVICE TO THE CONTROLLER SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
- 22. ALL 24 VAC WIRING FROM DECODER TO VALVE SHALL BE OF DIRECT BURIAL COPPER WIRE. MAXIMUM LENGTH OF WIRE FROM DECODER TO VALVE SHALL NOT EXCEED 400 FEET. AS FOLLOWS: CONTROL WIRES #14
- 23. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:
 -RECTANGULAR 12"X17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).
- 24. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).
- 25. HEADS, LATERALS, EMITTERS, AND VALVES ARE NOT SHOWN, BUT ARE NECESSARY FOR A FULLY FUNCTIONING IRRIGATION SYSTEM.
- 26. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION VALVES CONNECTING MAI
- 27. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.
- 28. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE. IN THE EVENT THAT A DRIP ZONE HAS MORE THAN ONE AIR RELIEF VALVE OR FLUSH VALVE WILL BE REQUIRED FOR THAT ZONE. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 12" O.C. WITH 12" LINE SPACING AT A MINIMUM.
- 29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL BE TWISTED PAIR 18 AWG. ALL WIRING FOR A TWO WIRE PATH SHALL BE WITH RED/BLUE TWISTED PAIR 14 AWG. ELECTRIC CONTROL LINES FROM THE DECODER TO THE SOLENOID VALVES SHALL BE TWISTED PAIR 18 AWG. ALL DECODERS SHALL BE GROUNDED EVERY 1,000 L.F. OR EVERY 10 DEVICES. ALL WIRE SHALL BE FURNISHED IN MINIMUM 2,500' REELS AND SPLICING SHALL BE MINIMIZED. BURY SPLICE KIT. ALL 24 VOLT WIRING SHALL BE DONE IN ACCORDANCE WITH EXISTING CODES. SPLICING SHALL BE IN VALVE BOXES OR CONTROLLERS ONLY. IRRIGATION SYSTEM CONTROL SHALL BE TWO WIRE PATH. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S REQUIREMENTS FOR THIS INSTALLATION. TWO WIRE SYSTEM SHALL HAVE 2-WAY COMMUNICATIONS FIELD PROGRAMMABILITY, STATION SPECIFICATIONS AND INTEGRATED SURGE PROTECTION.
- 30. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1 $\frac{1}{4}$ " ELECTRICAL CONDUIT.
- 31. SMALLEST DIAMETER LATERAL PIPE SHALL BE 3/4".
- 32. IRRIGATION SYSTEM SHALL BE CAPABLE OF SUPPLYING AN AVERAGE OF 1.05" OF WATER PER WEEK WITHIN WATERING RESTRICTIONS AS APPLICABLE.
- 33. IRRIGATION SYSTEM SHALL NOT BE INSTALLED THROUGH EXISTING, OR PRESERVED PLANT COMMUNITIES. DO NOT TRENCH THROUGH EXISTING ROOT SYSTEMS OF ANY VEGETATION INTENDED TO BE PRESERVED.
- 34. CONTRACTOR TO MINIMIZE IRRIGATION OVERTHROW TO IMPERVIOUS AND NATURAL AREAS THROUGH FIELD ADJUSTMENTS TO INDIVIDUAL HEADS.
- 35. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO THE CONDITION DENOTED ON THE LANDSCAPE PLAN.
- 36. IRRIGATION PIPING INSTALLED UNDER ROADS AND SIDEWALKS SHALL BE IN SCHEDULE 40 PVC SLEEVING AT 2X THE PIPE SIZE. ALL SLEEVING SHALL BE FREE OF STONES AND DEBRIS.
- 37. IRRIGATION SOURCE TO BE EITHER WELL, POTABLE, OR NON-POTABLE WATER. IRRIGATION CONTRACTOR TO VERIFY SOURCE PRIOR TO DESIGN.
- 38. POINT OF CONNECTION TO BE DETERMINED BY OWNER. IRRIGATION SYSTEM CONNECTIONS TO THE LOCAL JURISDICTION SERVICE SHALL COMPLY WITH ALL APPLICABLE CODES.
- 39. IRRIGATION CONNECTION MAY REQUIRE BACKFLOW PREVENTION, VERIFY WITH LOCAL JURISDICTION.
- 40. IRRIGATION SYSTEM SHALL COMPLY WITH THE LOCAL JURISDICTION LAND DEVELOPMENT CODE.





SYMBOL	LABEL	CATALOGUE NUMBER	LAMP	WAT
	OA	(2) DSX1 LED P6 40K T5W MVOLT	LED	326
		20' POLE; POLE BASE @ 6" ABOVE GRADE		
	ОВ	DSX1 LED P6 40K T2M MVOLT	LED	163
		20' POLE; POLE BASE @ 6" ABOVE GRADE		
	ос	DSX1 LED P6 40K T4M MVOLT	LED	163
		20' POLE; POLE BASE @ 6" ABOVE GRADE		
	OD	DSX1 LED P6 40K T4M MVOLT HS	LED	163
		20' POLE; POLE BASE @ 6" ABOVE GRADE		

SITE PHOTOMETRIC PLAN

SCALE: 1" = 20'-0"

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SITE PHOTOMETRIC PLAN