SITE DEVELOPMENT PLANS
FOR
68 BOUNDARY STREET
TOWN OF BLUFFTON, SOUTH CAROLINA

GENERAL NOTES:
1. BOUNDARY INFORMATION PROVIDED BY AN AS–BUILT TREE & TOPOGRAPHIC SURVEY, DATED 8–22–18, BY ATLAS SURVEYING, INC.
2. TOPOGRAPHIC DATA PROVIDED BY ATLAS SURVEYING, INC., DATED 8–22–18.
3. APPROXIMATE LOCATION OF CERTAIN EXISTING UNDERGROUND UTILITY LINES AND STRUCTURES ARE SHOWN ON THE PLANS FOR INFORMATION ONLY ADDITIONAL UNDERGROUND LINES OR STRUCTURES MAY EXIST THAT ARE NOT SHOWN. CALL SOUTH CAROLINA 811 AT 811 OR 1–888–721–7877 BETWEEN THE HOURS OF 7:00 AM AND 7:00 PM MONDAY THRU FRIDAY AT LEAST THREE WORKING DAYS BEFORE COMMENCING CONSTRUCTION. REQUEST UNDERGROUND UTILITIES TO BE LOCATED AND MARKED WITHIN AND NEAR THE CONSTRUCTION SITE.
4. COMPLY WITH "SOUTH CAROLINA UNDERGROUND FACILITY DAMAGE PREVENTION ACT (EFFECTIVE JUNE 7, 2012). NOTIFICATION OF INTENT TO EXCAVATE MAY BE GIVEN BY CALLING THE TOLL FREE NUMBER: 1–800–922–0983.
5. PROTECT BENCH MARKS AND PROPERTY MONUMENTS FROM DAMAGE DURING CONSTRUCTION OPERATIONS. REPLACE ANY BENCH MARKS OR MONUMENTS DAMAGED OR DESTROYED AS A RESULT OF CONTRACTOR'S OPERATIONS, AT NO COST TO THE OWNER, BY A LICENSED SURVEYOR IN THE STATE OF SOUTH CAROLINA.
6. OFF–STREET PARKING FOR THE CONTRACTOR'S EMPLOYEES AND AUTHORIZED VISITORS TO THE SITE MUST BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION.
7. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO WEIGHT LIMITS PRESCRIBED FOR ALL PUBLIC ROADS WHEN HAULING EQUIPMENT AND MATERIALS TO AND FROM THE PROJECT SITE. DAMAGES TO EXISTING PAVEMENT DUE TO THE CONTRACTOR'S CONSTRUCTION OPERATIONS OR IMPROPER TRANSPORTATION OF MATERIALS AND EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. AT LEAST ONE DRIVING LANE ON PUBLIC ROADS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES. TRAFFIC LANES WILL ONLY BE CLOSED WITH THE EXPRESS WRITTEN CONSENT OF THE AGENCY HAVING JURISDICTION OVER THE ROADWAY. NOTIFY AGENCY HAVING JURISDICTION AT LEAST 5 DAYS BEFORE CLOSING ANY DRIVING LANES TO TRAFFIC. PROVIDE TRAFFIC CONTROL DEVICES, SIGNS AND FLAGMEN AS REQUIRED TO ENSURE PUBLIC SAFETY.
9. CONTRACTOR SHALL COORDINATE DEMOLITION, CLEARING AND CONSTRUCTION OF IMPROVEMENTS TO MINIMIZE INTERFERENCE WITH VEHICULAR AND PEDESTRIAN TRAFFIC AND WITH OPERATIONS OF EXISTING FACILITIES.

WATER AND SEWER LINE CONSTRUCTION:
1. ALL WATER AND SEWER LINE CONSTRUCTION SHALL CONFORM TO APPLICABLE STATE AND BEAUFORT JASPER WATER SEWER AUTHORITY (BJWSA) REQUIREMENTS, STANDARDS AND SPECIFICATIONS.
2. BJWSA WILL BE RESPONSIBLE FOR INSPECTION AND APPROVAL OF ALL WATER AND SEWER SYSTEM CONSTRUCTION AND FOR ACCEPTANCE FOR OPERATION AND MAINTENANCE.
3. ALL UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION OF ALL UTILITY OWNERS AND FOR FIELD VERIFICATION OF BOTH HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCING CONSTRUCTION. ANY DAMAGES TO EXISTING UTILITIES DUE TO THIS CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. NOTIFY THE PROJECT ENGINEER, IF CONFLICTS WITH EXISTING STRUCTURES REQUIRE THAT PROPOSED UTILITIES BE RELOCATED.
5. THE CONTRACTOR MUST NOTIFY BJWSA FORTY–EIGHT (48) HOURS PRIOR TO ANY CONSTRUCTION, INSPECTION OR TESTING OF THE WATER DISTRIBUTION SYSTEM.
6. PIPE, FITTINGS, VALVES AND APPURTENANCES FOR WATER AND SEWER LINES SHALL ALL BE IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN THE BJWSA TECHNICAL SPECIFICATIONS.
7. INSTALLATION OF WATER AND SEWER LINES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE BJWSA STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS.
8. CONTRACTOR SHALL INSTALL MECHANICAL RESTRAINTS ON ALL BENDS, PLUGS AND TEES, 2" OR LARGER, ON WATERLINES AND SANITARY SEWER FORCE MAINS.
9. ALL WATER MAINS SHALL BE STERILIZED AND PRESSURE TESTED IN ACCORDANCE WITH BJWSA SPECIFICATIONS.
10. SEPARATION OF WATER MAINS AND SEWERS:
    A. PARALLEL INSTALLATION: UNLESS OTHERWISE SPECIFICALLY SHOWN IN A SPECIAL DETAIL ON THE PLANS, INSTALL WATER MAINS AT LEAST 10–FT. HORIZONTALLY FROM ANY EXISTING OR PROPOSED SANITARY SEWER OR SANITARY SEWER FORCE MAIN, THE DISTANCE BEING MEASURED IN A HORIZONTAL PLANE BETWEEN THE OUTSIDE SURFACES OF THE PIPES.
    B. CROSSINGS: UNLESS OTHERWISE SPECIFICALLY SHOWN IN A SPECIAL DETAIL ON THE PLANS, INSTALL WATER LINES CROSSING SANITARY SEWERS OR SANITARY SEWER FORCE MAINS TO PROVIDE A MINIMUM VERTICAL SEPARATION OF 18–INCHES BETWEEN THE OUTSIDE SURFACES OF THE PIPES. THIS SHALL BE THE CASE WHETHER THE WATER LINE IS ABOVE OR BELOW THE SANITARY SEWER LINE. WHENEVER POSSIBLE LOCATE THE WATER LINE ABOVE THE SEWER LINE. WHERE A NEW WATER LINE CROSSES A NEW SEWER LINE, PLACE A FULL LENGTH OF DUCTILE IRON PIPE FOR WATER LINE AT THE CROSSING WITH PIPE POSITIONED SO THAT THE JOINTS ARE AS FAR AS POSSIBLE FROM THE POINT OF CROSSING. WHERE A NEW WATER LINE CROSSES AN EXISTING SEWER LINE, PLACE ONE FULL LENGTH OF DUCTILE IRON PIPE WATER LINE SO THAT THE JOINTS ARE AS FAR FROM THE POINT OF CROSSING AS POSSIBLE.
11. THE CONTRACTOR SHALL CUT AND PATCH EXISTING PAVEMENT AS REQUIRED FOR THE INSTALLATION OF UTILITY LINES.
12. SANITARY MANHOLE RIM GRADES SHOWN ARE APPROXIMATE. ADJUST RIM ELEVATIONS TO BE FLUSH WITH FINISHED GRADE.
13. THE CONTRACTOR UNDER THIS CONTRACT SHALL NOT MAKE ANY CONNECTIONS TO THE EXISTING WATER OR SANITARY SEWER SYSTEMS UNLESS EXPRESSLY AUTHORIZED TO DO SO BY THE BJWSA. ALL WATER AND SEWER IMPROVEMENTS UNDER THIS CONTRACT MUST BE CONSTRUCTED COMPLETE, TESTED, INSPECTED AND APPROVED BY THE BJWSA BEFORE ANY AUTHORIZATION TO CONNECT WILL BE GIVEN. COORDINATION OF TESTING, INSPECTION AND CONNECTIONS WITH THE BJWSA IS THE RESPONSIBILITY OF THE CONTRACTOR UNDER THIS CONTRACT.
14. ALL WATER MAINS SHALL BE INSTALLED WITH THIRTY–SIX INCHES (36") MINIMUM COVER (FROM FINISHED GRADE). MAXIMUM DEPTH SHALL BE FIVE FEET (5'). WHERE WATER MAINS MAY CONFLICT WITH OTHER UTILITIES, THE WATER MAIN CROSSING SHALL BE CONSTRUCTED WITH DUCTILE IRON PIPE, MECHANICAL JOINT 45–DEG. BENDS AND MECHANICAL RESTRAINTS.

WORK ON SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY:
1. CONTRACTOR SHALL REVIEW AND COMPLY WITH ALL CONDITIONS AND SPECIAL PROVISIONS CONTAINED IN THE SCDOT ENCROACHMENT PERMIT(S) ISSUED FOR THIS PROJECT.
2. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING CONSTRUCTION NOTIFICATION FORM (48 HOUR MINIMUM) AND COORDINATION OF ALL WORK WITHIN SCDOT RIGHTS–OF–WAY WITH THE LOCAL AND/OR DISTRICT SCDOT ENGINEERING REPRESENTATIVE.
3. CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING A TRAFFIC CONTROL PLAN TO SCDOT FOR APPROVAL MINIMUM 48 HOURS PRIOR TO CONDUCTING WORK IN THE RIGHT–OF–WAY. ALL TRAFFIC CONTROL PLANS SHALL CONFORM TO MUTCD AND SCDOT GUIDELINES AND SPECIFICATIONS.
4. ALL SIGNAGE, PAVEMENT MARKINGS, AND MARKERS SHALL CONFORM TO MUTCD GUIDELINES AND SCDOT STANDARD SPECIFICATIONS AND DRAWINGS.
5. ALL PAVING AND DRAINAGE CONSTRUCTION SHALL CONFORM TO SCDOT STANDARD SPECIFICATIONS AND DRAWINGS.
6. ALL PAVEMENT MARKINGS IN SCDOT RIGHT–OF–WAY SHALL BE THERMOPLASTIC AND CONFORM TO MUTCD GUIDELINES AND SCDOT STANDARD SPECIFICATIONS AND DRAWINGS.
7. REMOVAL OF PAVEMENT MARKINGS SHALL CONFORM TO SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION SECTION 609.4.1.2.

TREE PROTECTION-BLUFFTON
1. ALL TREES HAVING A TRUNK DIAMETER OF 8–INCHES (dbh) OR LARGER, AND ENDANGERED OR VALUED TREES HAVING A TRUNK DIAMETER OF 4–INCHES (dbh) OR LARGER MUST BE PRESERVED UNLESS SPECIFICALLY APPROVED FOR REMOVAL IN ACCORDANCE WITH TOWN OF BLUFFTON DEVELOPMENT STANDARDS ORDINANCE AND INDICATED ON THE PLANS TO BE REMOVED.
2. THE CONTRACTOR IS RESPONSIBLE FOR MARKING THE TREES DESIGNATED TO BE PRESERVED IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN THE TOWN OF BLUFFTON DEVELOPMENT STANDARDS ORDINANCE.
3. PRIOR TO COMMENCING ANY CLEARING OR CONSTRUCTION OPERATIONS ON THE SITE, THE CONTRACTOR SHALL ERECT TREE PROTECTION BARRIERS AROUND EACH TREE OR GROUP OF TREES DESIGNATED FOR PRESERVATION IN ACCORDANCE WITH THE DETAILS ON THE PLANS AND THE REQUIREMENTS CONTAINED IN THE TOWN OF BLUFFTON UNIFIED ORDINANCE 5.3.3.
4. A TREE PROTECTION ZONE SHALL BE ESTABLISHED IN ACCORDANCE WITH THE PROVISIONS CONTAINED IN THE TOWN OF BLUFFTON UNIFIED ORDINANCE 5.3.3 FOR EACH EXISTING TREE DESIGNATED FOR PRESERVATION. THE MINIMUM TREE PROTECTION ZONE AS DEFINED IN THE ORDINANCE IS A CIRCULAR AREA CENTERED ON THE TREE AND HAVING A RADIUS OF THE GREATER OF 10–FT. OR ONE AND ONE–HALF FOOT PER INCH dbh (DIAMETER AT BREAST HEIGHT). THE SIZE OR CONFIGURATION OF THE TREE PROTECTION ZONE MAY BE MODIFIED ONLY UPON APPROVAL BY TOWN OF BLUFFTON.
5. THE AREA WITHIN THE TREE PROTECTION ZONE MUST REMAIN OPEN AND UNPAVED. NO CHANGE OF GRADE WILL BE ALLOWED WITHIN THE TREE PROTECTION ZONE EXCEPT FOR A 2–INCH CUT OR 2–INCH FILL OF TOPSOIL, SOD OR MULCH. ANY ACTIVITY WITHIN THE TREE PROTECTION ZONE IS SUBJECT TO APPROVAL BY TOWN OF BLUFFTON. THE FOLLOWING ACTIVITIES ARE PROHIBITED WITHIN THE TREE PROTECTION ZONE:
    A. PLACEMENT OR STORAGE OF ANY SOIL, DEBRIS, OILS, FUEL, PAINTS, BUILDING MATERIALS OR ANY OTHER MATERIALS.
    B. BURNING
    C. VEHICLE PARKING
    D. PAVING
    E. TRENCHING FOR UTILITIES
6. WHERE UTILITY LINES MUST PASS THRU THE TREE PROTECTION ZONE, THEY SHALL BE INSTALLED BY HORIZONTAL BORING BENEATH THE ROOTS OF THE TREE.
7. WHERE IT IS NECESSARY FOR MACHINERY AND EQUIPMENT TO PASS WITHIN THE TREE PROTECTION ZONE, APPROVAL MUST BE OBTAINED FROM TOWN OF BLUFFTON. SPECIAL MEASURES WILL BE REQUIRED TO PROTECT THE ROOTS FROM EXCESSIVE COMPACTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL TREE REMOVAL PERMITS AND FOR COORDINATING ALL INSPECTIONS REQUIRED BY TOWN OF BLUFFTON IN CONNECTION WITH TREE PRESERVATION AND REMOVAL ACTIVITIES. DURING CONSTRUCTION.

PROJECT NAME
BJWSA PROJECT #: 2018-XXX

SITE GRADING AND DRAINAGE:
1. ALL UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 72–HOUR NOTICE TO ALL RESPECTIVE UTILITY COMPANIES FOR FIELD VERIFICATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGES TO EXISTING UTILITIES DUE TO THIS CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. TEMPORARY CONTROL OF STORM WATER DRAINAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SEQUENCING AND CONSTRUCTION TECHNIQUES SHALL PREVENT OBSTRUCTION OF STORM SEWERS, PONDING IN TRAFFIC AREAS OR RISING OF WATER LEVELS WHICH WOULD ENTER ADJACENT BUILDINGS OR STRUCTURES.
3. FULL WIDTH OF STREET AND ROAD RIGHTS–OF–WAY MUST BE CLEARED AND GRADED AS SHOWN IN THE DETAILS ON THE DRAWINGS
4. SUBGRADE PREPARATION: TOP SOIL SHALL BE REMOVED FROM PAVED AREAS TO A MINIMUM DEPTH AS RECOMMENDED IN THE PROJECT'S GEOTECHNICAL REPORT. ALL EXCAVATION SHALL BE TO SUBGRADE LIMITS.
5. ALL UTILITY PIPE LINES, CONDUITS AND SLEEVES UNDER PAVED AREAS MUST BE IN PLACE PRIOR TO COMPLETION OF THE ROADWAY SUBGRADE COMPACTION.
6. FINISH GRADING SHALL INCLUDE THE PLACEMENT OF TOPSOIL OVER ALL UNPAVED AREAS NOT OCCUPIED BY BUILDINGS OR STRUCTURES AND FINE GRADING AROUND BUILDINGS, ADJACENT TO WALKS, CURBS, GUTTERS AND STRUCTURES TO ASSURE POSITIVE DRAINAGE.

SCDHEC/OCRM SEDIMENT AND EROSION CONTROL STANDARD NOTES (REVISED DEC-2012):
1. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
    A. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
    B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH–DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY, OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C REG. 72–300 ET SEQ. AND SCR100000.
8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT–LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50–FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10–FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
11. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND–DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
    A. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL.
    B. WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.
    C. FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE.
    D. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
19. A PRE–CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON–SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON–LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON–SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

DRY UTILITY CONDUITS FOR ELECTRIC, TELEPHONE AND CABLE TV:
1. ALL DRY UTILITY CONDUIT ENDS SHALL BE CAPPED AND MARKED WITH A STEEL REBAR STAKE IMBEDDED ONE (1) FOOT BELOW GROUND SURFACE.
2. 48" MINIMUM BURY DEPTH FOR ALL ELECTRICAL CONDUITS.
3. MAINTAIN MINIMUM 12" VERTICAL CLEARANCE WHEN CROSSING WATER, SEWER, AND STORM DRAIN LINES.
4. MAINTAIN MINIMUM 18" HORIZONTAL CLEARANCE WHEN PARALLELING WATER, SEWER AND STORM DRAIN LINES.
5. EXTEND CONDUIT BEYOND PAVEMENT, CURB, AND SIDEWALKS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE INSTALLATION OF ALL UTILITY SERVICE CONNECTIONS. REFER TO APPROVED BUILDING PLANS FOR THE EXACT LOCATION OF ALL SERVICE CONNECTIONS. THE CONTRACTOR MUST INSTALL ALL CONDUITS, AS SHOWN ON THE PLANS OR AS REQUIRED BY RESPECTIVE UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS WITH REGARDS TO THE INSTALLATION OF UTILITIES AND CONDUIT.
7. LOCATIONS SHOWN ON THE PLANS FOR PROPOSED DRY UTILITY CONDUITS ARE APPROXIMATE ONLY. ALL DIMENSIONING AND STAKING SHOULD BE BASED ON ECONOMICAL AND PRACTICAL CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE RESPECTIVE UTILITY REPRESENTATIVES, PRIOR TO ANY CONDUIT INSTALLATION.
8. TRANSFORMER PADS SHALL BE LOCATED AS DIRECTED BY THE RESPECTIVE UTILITY REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS.
9. NOTIFY THE ENGINEER IF CONFLICTS WITH EXISTING OR PROPOSED STRUCTURES REQUIRE PROPOSED UTILITIES BE RELOCATED.

SITE CLEARING AND DEMOLITION:
1. NO CLEARING SHALL OCCUR WITHIN DESIGNATED BUFFER ZONES, TREE PROTECTION ZONES, OUTSIDE OF THE PROPERTY LINES OR BEYOND THE CLEARING LIMITS UNLESS OTHERWISE SPECIFICALLY SHOWN ON THE PLANS.
2. ONLY THOSE TREES DESIGNATED ON THE DRAWINGS FOR REMOVAL ARE TO BE REMOVED AS PART OF THE SITE CLEARING OPERATIONS.
3. THE CONTRACTOR SHALL INSTALL A CONTINUOUS LINE OF FLAGGING OR FENCING ALONG THE LIMITS OF CLEARING PRIOR TO COMMENCING ANY CLEARING, DEMOLITION, OR CONSTRUCTION WORK ON THE PROJECT.
4. EXERCISE CAUTION DURING CLEARING OPERATIONS TO AVOID FELLING TREES INTO DESIGNATED TREE PROTECTION ZONES.
5. NO BURNING WILL BE ALLOWED WITHIN 50 FEET OF A TREE PROTECTION ZONE OR TREE DRIP LINE. CONTRACTOR SHALL COORDINATE ANY BURNING OPERATIONS WITH LOCAL JURISDICTION AND FIRE DEPARTMENTS.
6. SELECTIVE CLEARING AREAS SHALL BE CLEARED OF ALL BRUSH AND UNDERSTORY GROWTH.

UTILITY CONTACTS:

SCE&G	843–525–7700	108 ROBERT SMALLS PKWY, BEAUFORT, SC 29906
BJWSA	843–987–9292	6 SNAKE ROAD, OKATIE, SC 29909
HARGRAY COMMUNICATIONS	843–815–1675	PO BOX 3380, BLUFFTON, SC 29910

811 Know what's below. Call 811 before you dig.

PROJECT INFORMATION

DEVELOPER:
TOWN OF BLUFFTON
20 BRIDGE STREET
BLUFFTON, SC 29910
843–706–4521
PROONEY@TOWNOFBLUFFTON.COM

PROPERTY OWNER:
TOWN OF BLUFFTON
P.O. BOX 386
20 BRIDGE STREET
BLUFFTON, SC 29910
843–706–4500

SOURCE OF TITLE:
BEAUFORT COUNTY REGISTER OF DEEDS,
DEED BOOK 3523 PAGE 611

PROJECT STREET ADDRESS:
68 BOUNDARY STREET
BLUFFTON, SC 29910

PROPERTY IDENTIFICATION NO.:
County I.D. #:R610 039 00A 0097 0000

LATITUDE / LONGITUDE:
N 32° 14' 02"
W 80° 51' 44"

DEVELOPMENT PERMIT JURISDICTION:
TOWN OF BLUFFTON

PROPERTY ZONING:
NEIGHBORHOOD GENERAL
HISTORIC DISTRICT

VERTICAL CONTROL DATUM:
NAVD88

FLOOD ZONE:
C (BASE FLOOD ELEV: N/A)

USE:
EXISTING: UNDEVELOPED
PROPOSED: PARK, PARKING, & RESTROOMS

SITE AREA:
TOTAL: 1.483 ACRES
DISTURBED: 1.9 ACRES

SURFACE COVERAGE:

EXISTING IMPERVIOUS:	10,325 SQ. FT. (16.0 %)
PROPOSED IMPERVIOUS:	31,275 SQ. FT. (48.4 %)
PROPOSED PERVIOUS PAVING	9,150 SQ. FT. (14.2 %)
OPEN SPACE PROVIDED:	24,175 SQ. FT. (37.4 %)

PARKING SUMMARY:
PARKING PROVIDED:

INTERNAL DRIVE:	35 SPACES
LAWRENCE STREET:	12 SPACES
GREEN STREET:	14 SPACES
TOTAL:	61 SPACES

ACCESSIBLE PARKING PROVIDED: 2 SPACES, 2 VAN–ACCESSIBLE

DESIGN TEAM

LAND SURVEYOR:
ATLAS SURVEYING
843–645–9277

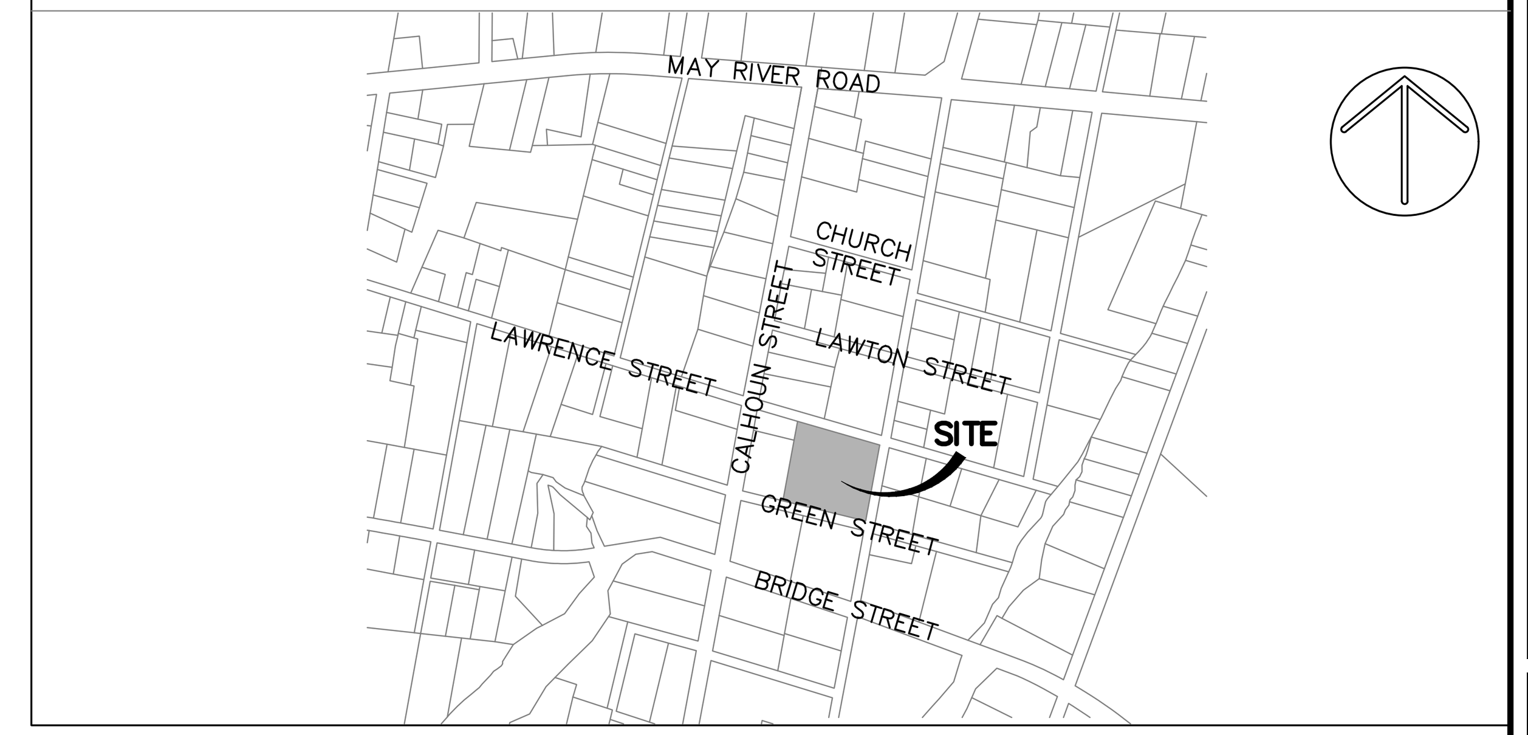
ARCHITECT:
PEARCE SCOTT ARCHITECTS
843–837–5700

LANDSCAPE ARCHITECT:
MKSK
864–626–5715

PERMITS

PERMIT	PERMIT #	ISSUED	EXPIRES
BJWSA			
FIRE MARSHAL			
SCDHEC/MS4 STORMWATER			
SCDHEC WATER			
SCDHEC WASTEWATER			
SCDOT ENCROACHMENT UTILITY			
SCDOT ENCROACHMENT DRIVEWAY			
MUNICIPALITY DEVELOPMENT			
USACE DETERMINATION			
USACE PERMIT			

VICINITY MAP (NOT TO SCALE)



SCHEDULE OF DRAWINGS

RELEASE SCHEDULE

RELEASE NO.	DESCRIPTION	DATE
A.	RELEASED FOR OWNER REVIEW	12-13-18
B.	RELEASED FOR PERMITTING / BIDDING	12-19-18

SEQUENCE OF CONSTRUCTION ACTIVITIES

ESTIMATED START DATE: 03–01–19 ESTIMATED COMPLETION DATE: 07–04–19

ITEMS MUST OCCUR IN THE ORDER LISTED; ITEMS CANNOT OCCUR CONCURRENTLY UNLESS SPECIFICALLY NOTED.

1. RECEIVE NPDES COVERAGE FROM DHEC.
2. HOLD PRE–CONSTRUCTION MEETING.
3. NOTIFY DHEC EQC REGIONAL OFFICE OR OCRM OFFICE 48 HOURS PRIOR TO BEGINNING LAND–DISTURBING ACTIVITIES.
4. INSTALLATION OF CONSTRUCTION ENTRANCE.
5. CLEARING & GRUBBING ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS.
6. INSTALLATION OF PERIMETER CONTROLS (E.G. SILT FENCE).
7. INSTALL TREE PROTECTION.
8. INSTALL INLET PROTECTION.
9. INSTALL SEDIMENT TUBES.
10. CLEARING & GRUBBING ONLY IN AREAS OF BASIN.
11. INSTALLATION OF BASIN AND INSTALLATION OF DIVERSIONS TO THOSE STRUCTURES (OUTLET STRUCTURES MUST BE COMPLETELY INSTALLED AS SHOWN ON THE DETAILS BEFORE PROCEEDING TO NEXT STEP; AREAS DRAINING TO THESE STRUCTURES CANNOT BE DISTURBED UNTIL THE STRUCTURES & DIVERSIONS TO THE STRUCTURES ARE COMPLETELY INSTALLED). INSTALL SURFACE DEWATERING SKIMMER PRIOR TO MOVING TO NEXT STEP.
12. CLEARING & GRUBBING OF SITE OR DEMOLITION (SEDIMENT & EROSION CONTROL MEASURES FOR THESE AREAS MUST ALREADY BE INSTALLED).
13. ROUGH GRADING.
14. INSTALLATION OF STORM DRAIN SYSTEM AND PLACEMENT OF INLET PROTECTION AS EACH INLET IS INSTALLED.
15. INSTALL ALL REQUIRED UTILITIES AND CURBING.
16. FINE GRADING, PAVING, ETC.
17. PLACE TOPSOIL & ESTABLISH FINISH GRADES.
18. PERMEABLE PAVERS SHALL BE LAID WHEN ALL HEAVY CONSTRUCTION IS COMPLETED.
19. CLEAN–OUT OF DETENTION BASINS THAT WERE USED AS SEDIMENT CONTROL STRUCTURES AND RE–GRADING OF DETENTION POND BOTTOMS; IF NECESSARY, MODIFICATION OF SEDIMENT BASIN RISER TO CONVERT TO DETENTION BASIN OUTLET STRUCTURE.
20. INSTALL PERMANENT SEEDING.
21. FLUSH ANY SEDIMENT FROM STORM SEWER PIPES AND INLETS.
22. REMOVAL OF TEMPORARY SEDIMENT & EROSION CONTROL MEASURES (INCLUDING SKIMMER) AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED (THE DEPARTMENT RECOMMENDS THAT THE PROJECT OWNER / OPERATOR HAVE THE SWPPP PREPARER OR REGISTRATION EQUIVALENT APPROVE THE REMOVAL OF TEMPORARY STRUCTURES).
23. PERFORM AS–BUILT SURVEYS OF ALL DETENTION STRUCTURES AND SUBMIT TO DHEC OR MS4 FOR ACCEPTANCE.
24. SUBMIT NOTICE OF TERMINATION (NOT) TO DHEC AS APPROPRIATE.

- NOTE: PERFORM WEEKLY SITE INSPECTIONS DURING LAND DISTURBING ACTIVITIES AND MAKE RECOMMENDATIONS FOR ADDITIONAL BMPs OR MAINTENANCE OF EXISTING BMPs
- NOTE: ALL PUMPED DEWATERING SHALL BE PERFORMED USING AN APPROPRIATELY SIZED PUMPED WATER FILTER BAG.

SCDHEC-OCRM CERTIFICATION:

"I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72–300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000."

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 25124 LICENSED WILLIAM G. POWELL 12/19/18

SOUTH CAROLINA WARD EDWARDS, INC. No. C00152 CERTIFICATE OF AUTHORIZATION

PLAN REVISIONS

NO.	DESCRIPTION	DATE
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Ward Edwards ENGINEERING
P.O. BOX 381, BLUFFTON, SOUTH CAROLINA 29910
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WWW.WARDEDWARDS.COM

68 BOUNDARY STREET
TOWN OF BLUFFTON, SOUTH CAROLINA
TOWN OF BLUFFTON
Bluffton, South Carolina

COVER SHEET & CONSTRUCTION NOTES

VERTICAL DATUM:
NAVD 88

☑ NOT FOR CONSTRUCTION
☐ RELEASED FOR CONSTRUCTION

PROJECT #:	150606
DATE:	12/19/18
DESIGNED BY:	WGP
CHECKED BY:	HED
SCALE:	NO SCALE

SHEET
C001

IF THIS SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT, SCALE ACCORDINGLY

LEGEND

PKF	PK NAIL FOUND
	CALC POINT – CORNER NOT SET
IPF	IRON PIPE FOUND
CMF	CONC. MONUMENT FOUND
RBF	IRON REBAR FOUND
AIF	ANGLE IRON FOUND
OCJB	CABLE JUNCTION BOX
JB	JUNCTION BOX
OTEL	TELEPHONE JUNCTION BOX
8	CONTOUR LINE
×	GUY WIRE
×12.9	SPOT ELEVATION
BAY	BAY
WAL	WALNUT
CH	CHERRY
G	SWEET GUM
LA	LAUREL OAK
PA	PALMETTO
P	PINE
T	TALLOW
SB	SUGAR BERRY
	CONCRETE
	GRAVEL
	BRICK
OSPG	SPIGOT
OSSCO	SANITARY SEWER CLEAN OUT
	POWER POLE
oSN	SIGN
	UNDERGROUND SEWER LINE
	FENCE LINE
FM	FORCEMAIN
COM	UNDERGROUND COMMUNICATIONS LINE
OHP	OVERHEAD POWER LINE
	DIRT ROAD
GT	UNDERGROUND GAS TANK

NOTES

1. THIS PARCEL APPEARS TO LIE IN FLOOD ZONE C, FIRM PANEL 0001–A COMMUNITY 450251.
2. CONTOURS ARE IN ONE FOOT INTERVALS. TREE SIZES SHOWN ARE IN INCHES OF DIAMETER.
3. BOUNDARY SURVEY NOT PERFORMED AT THE TIME OF THE FIELD WORK. PROPERTY LINES SHOWN FOR REFERENCE INFORMATION ONLY.
4. VERTICAL DATUM IS NAVD 88.
5. ALL UNDERGROUND UTILITIES SHOWN THAT WERE MARKED IN THE FIELD BY SOUTH CAROLINA 811 AT THE TIME THE FIELD WORK WAS PERFORMED (08–14–18).

REFERENCES

1. AN AS BUILT TREE AND TOPOGRAPHIC SURVEY OF PARCELS 97 & 98, DISTRICT 610, BOUNDARY STREET.
   BY: WILLIAM J. SMITH
   DATE: 3–18–14
   PLS NO. 26960
2. DB: 3523 PG: 611

PREPARED FOR:
THE TOWN OF BLUFFTON

A TREE AND TOPOGRAPHIC SURVEY OF:

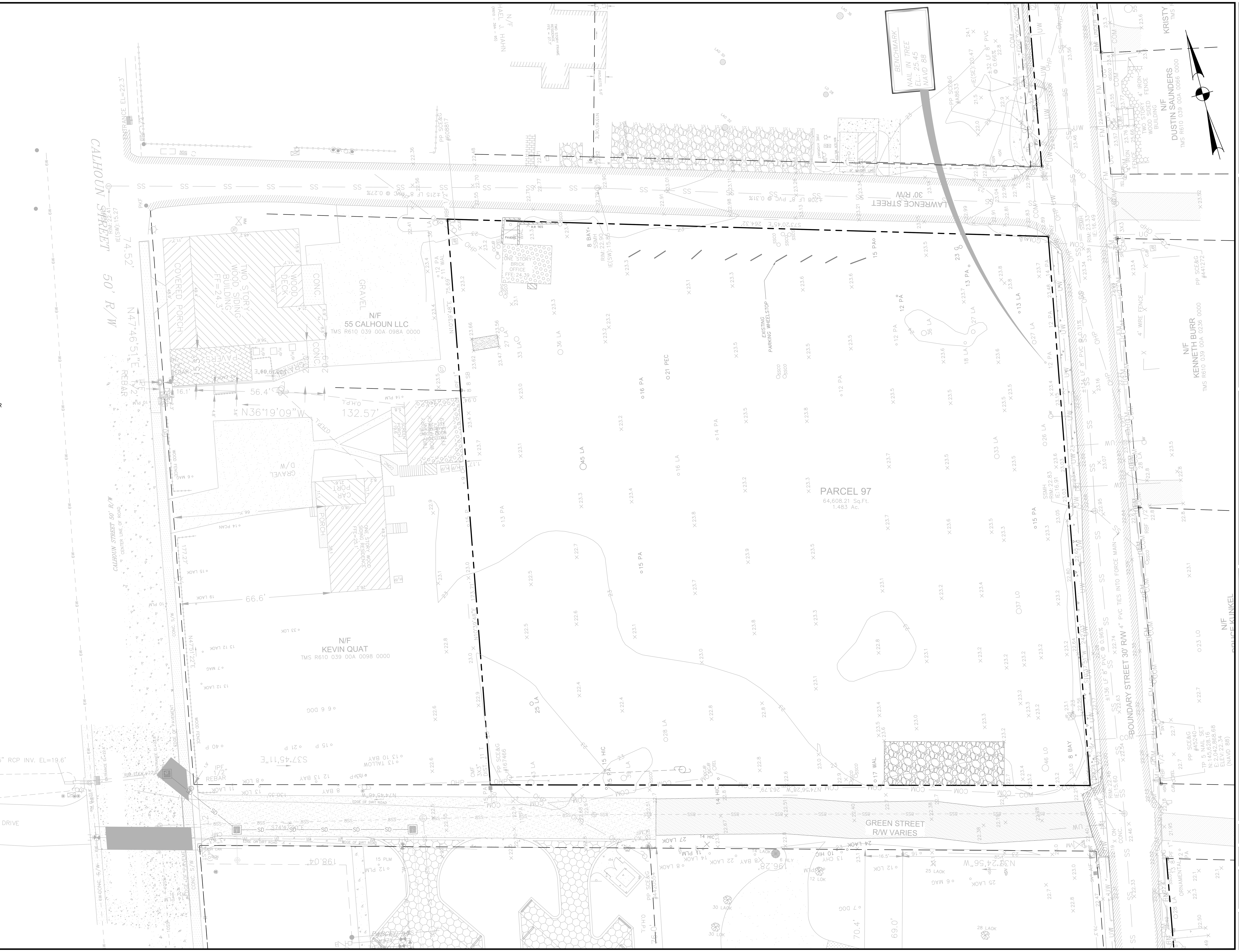
PARCEL 97
#86 BOUNDARY STREET

TAX PARCEL No.
R610 039 00A 0097 0000
THE TOWN OF BLUFFTON
BEAUFORT COUNTY, SOUTH CAROLINA

FIELD WORK: ERD
FIELD CHECK: JWR
DRAWN BY: DB
DATE: 08–22–2018
SCALE: 1"=20'
PROJECT No.: BFT–18170
FILE: BFT–18170 T2 PARCEL 97.DWG

ATLAS
SURVEYING, INC.
49 BROWN'S COVE ROAD, SUITE #5
RIDGELAND, SC 29936
PHONE: (843) 645–9277
WEBSITE: WWW.ATLASSURVEYING.COM

0 20 40 Feet



SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 25124 WILLIAM G. POWELL 12/19/18
SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION WARD EDWARDS, INC. No. C00152

NO.	DESCRIPTION	DATE
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PLAN REVISIONS

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68 BOUNDARY STREET
TOWN OF BLUFFTON, SOUTH CAROLINA

TOWN OF BLUFFTON
Bluffton, South Carolina

EXISTING CONDITIONS PLAN

VERTICAL DATUM:
NAVD 88

☑ NOT FOR CONSTRUCTION
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PROJECT #:	150606
DATE:	12/19/18
DESIGNED BY:	WGP
CHECKED BY:	HED
SCALE:	1"=20'

SHEET
C101

LIMITS OF DISTURBANCE:	—NPDES—

EROSION PREVENTION

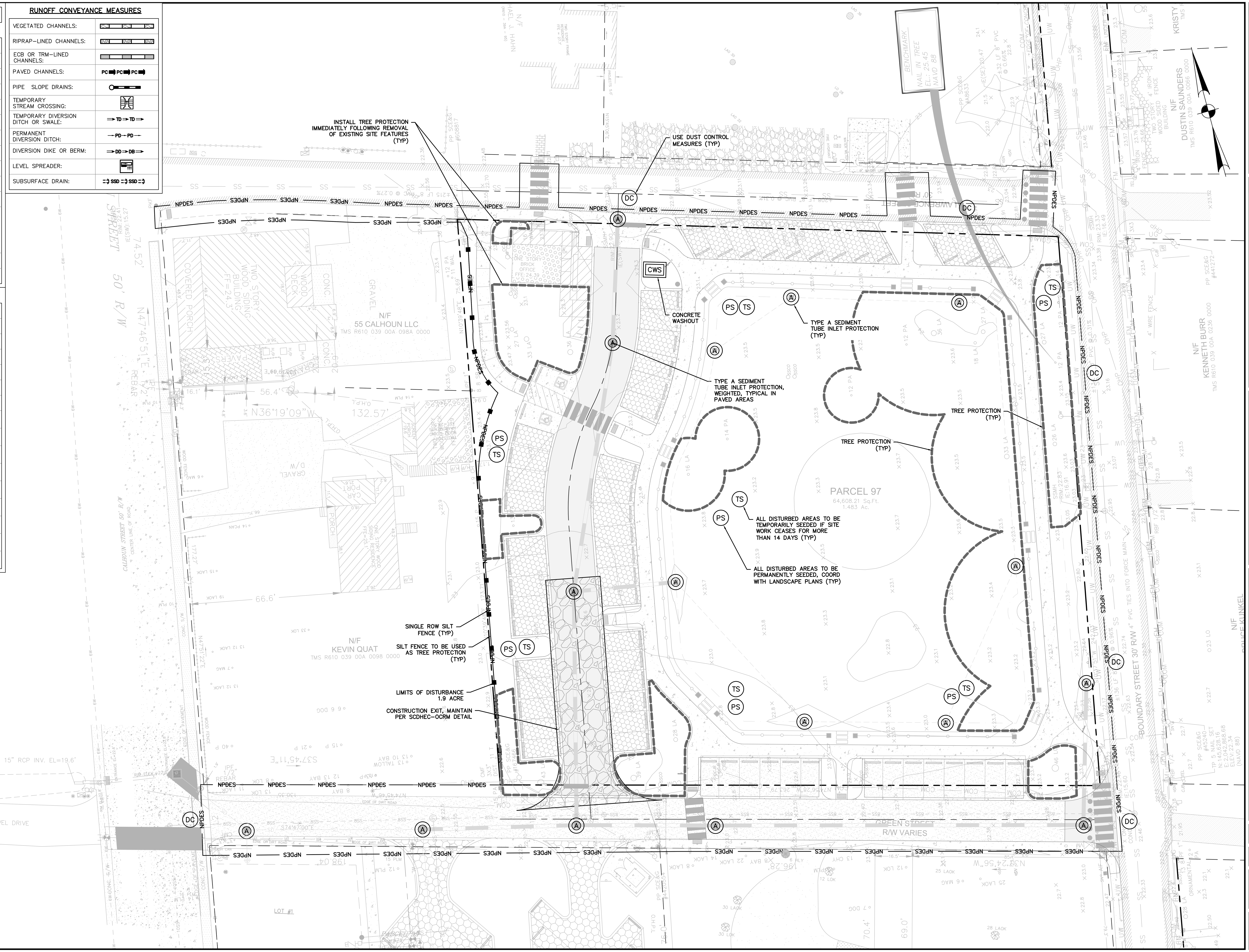
LAND GRADING:	LG OR
SURFACE ROUGHENING:	
TOPSOILING:	
TEMPORARY SEEDING:	TS
MULCHING:	M
ECB OR TRM:	
FGM:	FGM
BFM:	BFM
PERMANENT SEEDING:	PS
SODDING:	SO
RIPRAP:	
OUTLET PROTECTION:	RIPRAP / ECB or TRM
DUST CONTROL:	DC
POLYACRYLAMIDE (PAM):	PAM

SEDIMENT CONTROL

SEDIMENT BASIN:	
TEMPORARY SEDIMENT TRAP:	
ROCK SEDIMENT DIKE:	
ROCK CHECK DAM:	OR
SEDIMENT TUBE:	
SILT FENCE:	
REINFORCED SILT FENCE:	
TYPE A–FABRIC INLET PROTECTION:	A
TYPE A–SEDIMENT TUBE INLET PROTECTION:	A
TYPE B – WIRE MESH AND STONE DROP INLET PROTECTION:	B
TYPE C – BLOCK AND GRAVEL INLET PROTECTION:	C
TYPE D – RIGID INLET FILTERS:	D
TYPE E – SURFACE COURSE CURB INLET FILTER:	E
TYPE F – INLET TUBE:	F
TYPE FB – FILTER BAG:	FB
CONCRETE WASHOUT	CWS

RUNOFF CONVEYANCE MEASURES

VEGETATED CHANNELS:	
RIPRAP–LINED CHANNELS:	
ECB OR TRM–LINED CHANNELS:	
PAVED CHANNELS:	PC PC PC
PIPE SLOPE DRAINS:	
TEMPORARY STREAM CROSSING:	
TEMPORARY DIVERSION DITCH OR SWALE:	TD TD
PERMANENT DIVERSION DITCH:	PD PD
DIVERSION DIKE OR BERM:	DD DB
LEVEL SPREADER:	
SUBSURFACE DRAIN:	SSD SSD



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SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 25124 WILLIAM G. POWELL 12/19/18

WARD EDWARDS, INC. No. C00152 SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION

68 BOUNDARY STREET
TOWN OF BLUFFTON, SOUTH CAROLINA

TOWN OF BLUFFTON
Bluffton, South Carolina

EROSION CONTROL PLAN

VERTICAL DATUM: NAVD 88

☑ NOT FOR CONSTRUCTION
☐ RELEASED FOR CONSTRUCTION

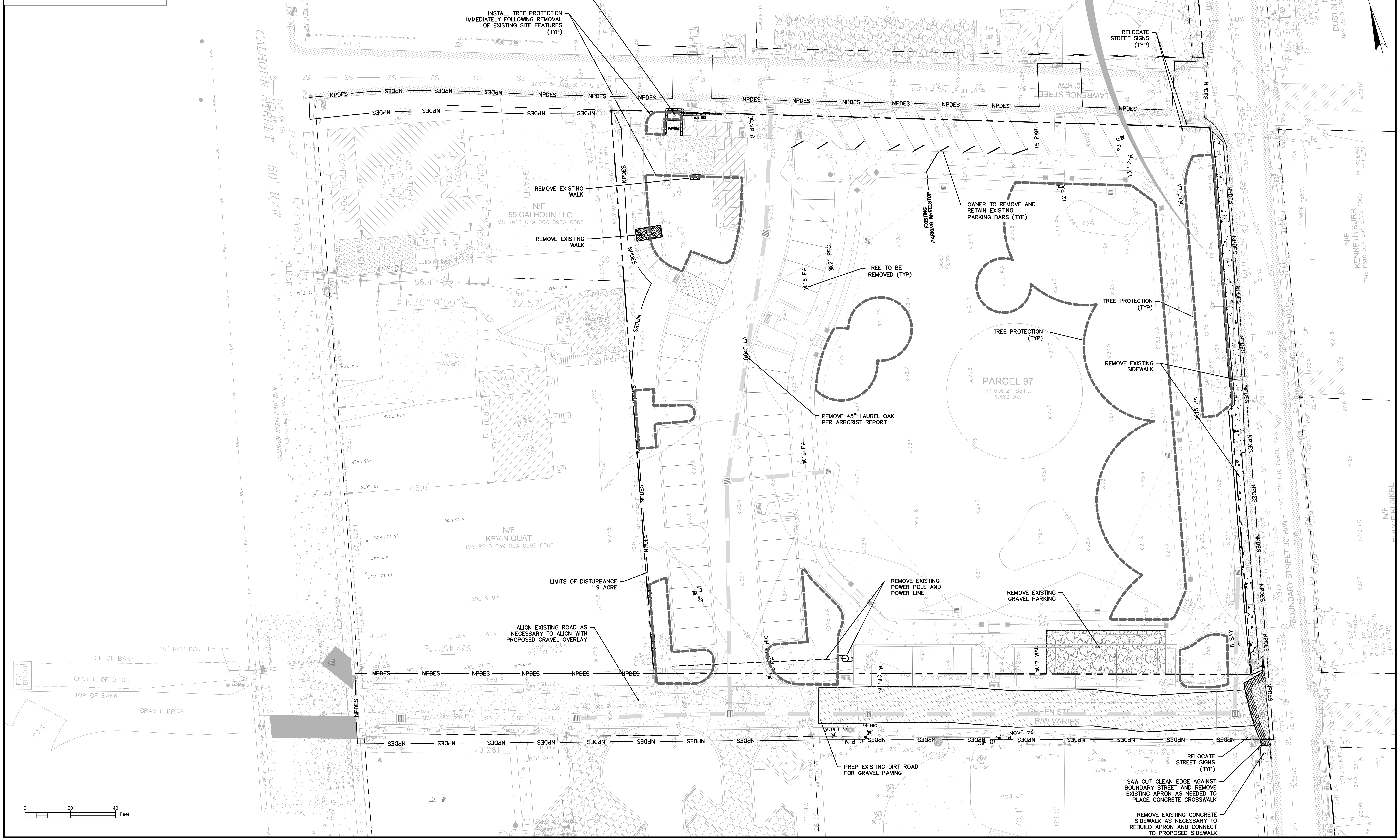
PROJECT #:	150606
DATE:	12/19/18
DESIGNED BY:	WGP
CHECKED BY:	HED
SCALE:	1"=20'

SHEET C201

IF THIS SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT, SCALE ACCORDINGLY

CLEARING / DEMOLITION LEGEND

DEMOLITION	
MILLING	
TREE TO BE REMOVED	
TREE PROTECTION	



REMOVE EXISTING PAVERS AND RAILROAD TIES
INSTALL TREE PROTECTION IMMEDIATELY FOLLOWING REMOVAL OF EXISTING SITE FEATURES (TYP)
REMOVE EXISTING WALK
REMOVE EXISTING WALK
LIMITS OF DISTURBANCE 1.9 ACRE
ALIGN EXISTING ROAD AS NECESSARY TO ALIGN WITH PROPOSED GRAVEL OVERLAY
TREE TO BE REMOVED (TYP)
REMOVE 45" LAUREL OAK PER ARBORIST REPORT
OWNER TO REMOVE AND RETAIN EXISTING PARKING BARS (TYP)
EXISTING PARKING WHEELSTOP
REMOVE EXISTING POWER POLE AND POWER LINE
PREP EXISTING DIRT ROAD FOR GRAVEL PAVING
REMOVE EXISTING GRAVEL PARKING
TREE PROTECTION (TYP)
TREE PROTECTION (TYP)
REMOVE EXISTING SIDEWALK
RELOCATE STREET SIGNS (TYP)
RELOCATE STREET SIGNS (TYP)
SAW CUT CLEAN EDGE AGAINST BOUNDARY STREET AND REMOVE EXISTING APRON AS NEEDED TO PLACE CONCRETE CROSSWALK
REMOVE EXISTING CONCRETE SIDEWALK AS NECESSARY TO REBUILD APRON AND CONNECT TO PROPOSED SIDEWALK
BENCHMARK NAIL IN TREE EL: 25.45 NAVD 88
PARCEL 97
64,608.21 Sq.Ft. 1.483 Ac.
N/F 55 CALHOUN LLC
N/F KEVIN QUAT
N/F KENNETH BURR
N/F DUSTIN SAUNDERS
CALHOUN STREET 50' R/W
LAWRENCE STREET 50' R/W
BOUNDARY STREET 30' R/W
GREEN STREET R/W VARIES
NPDES
0 20 40 Feet

NO.	DESCRIPTION	DATE
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PLAN REVISIONS

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TOWN OF BLUFFTON, SOUTH CAROLINA

TOWN OF BLUFFTON
Bluffton, South Carolina

CLEARING & DEMOLITION PLAN

VERTICAL DATUM:
NAVD 88

☑ NOT FOR CONSTRUCTION
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PROJECT #:	150606
DATE:	12/19/18
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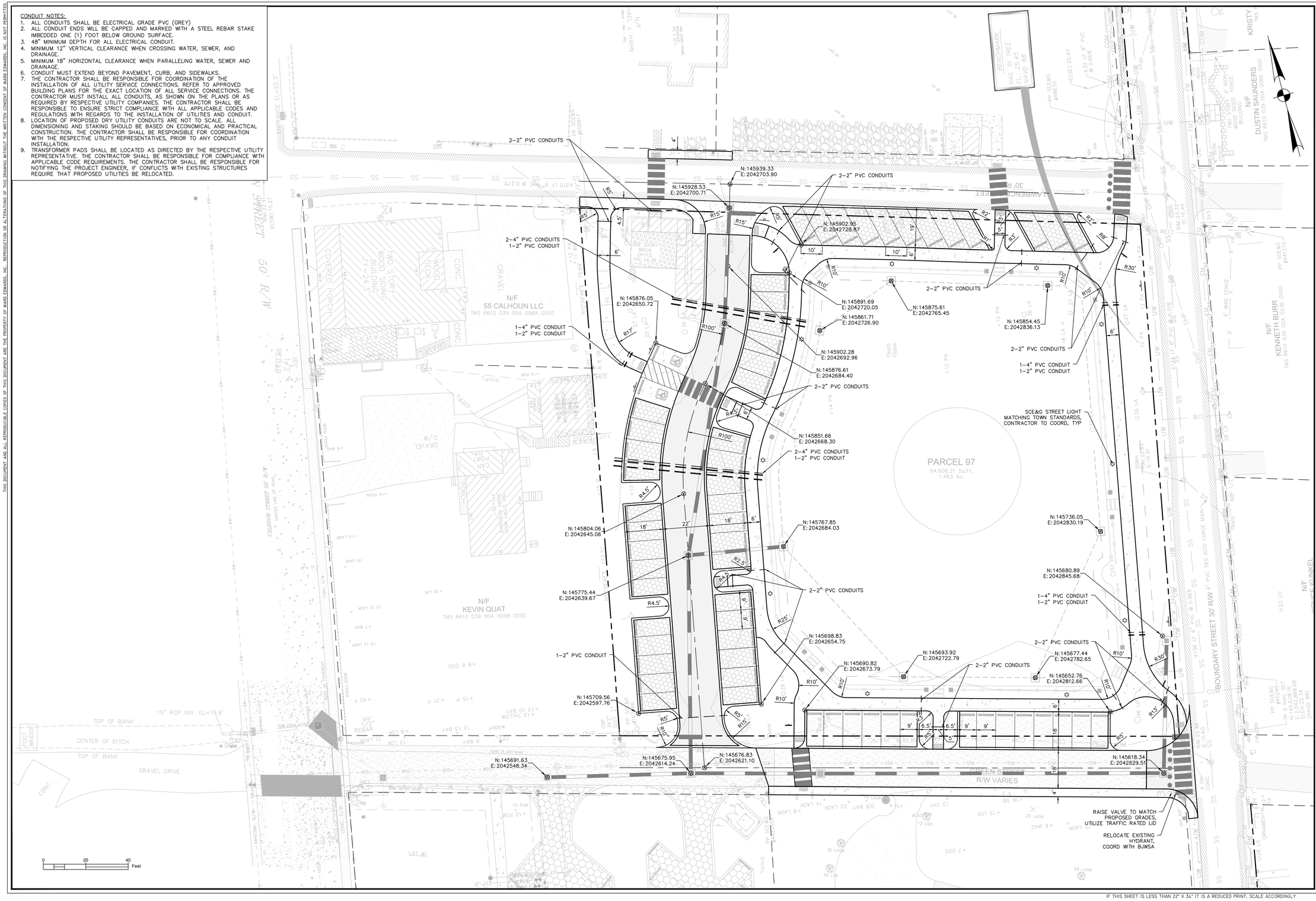
CHECKED BY:	HED
SCALE:	1"=20'

SHEET
C301

IF THIS SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT, SCALE ACCORDINGLY

CONDUIT NOTES:

1. ALL CONDUITS SHALL BE ELECTRICAL GRADE PVC (GREY).
2. ALL CONDUIT ENDS WILL BE CAPPED AND MARKED WITH A STEEL REBAR STAKE IMBEDDED ONE (1) FOOT BELOW GROUND SURFACE.
3. 48" MINIMUM DEPTH FOR ALL ELECTRICAL CONDUIT.
4. MINIMUM 12" VERTICAL CLEARANCE WHEN CROSSING WATER, SEWER, AND DRAINAGE.
5. MINIMUM 18" HORIZONTAL CLEARANCE WHEN PARALLELING WATER, SEWER AND DRAINAGE.
6. CONDUIT MUST EXTEND BEYOND PAVEMENT, CURB, AND SIDEWALKS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE INSTALLATION OF ALL UTILITY SERVICE CONNECTIONS. REFER TO APPROVED BUILDING PLANS FOR THE EXACT LOCATION OF ALL SERVICE CONNECTIONS. THE CONTRACTOR MUST INSTALL ALL CONDUITS, AS SHOWN ON THE PLANS OR AS REQUIRED BY RESPECTIVE UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS WITH REGARDS TO THE INSTALLATION OF UTILITIES AND CONDUIT.
8. LOCATION OF PROPOSED DRY UTILITY CONDUITS ARE NOT TO SCALE. ALL DIMENSIONING AND STAKING SHOULD BE BASED ON ECONOMICAL AND PRACTICAL CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE RESPECTIVE UTILITY REPRESENTATIVES, PRIOR TO ANY CONDUIT INSTALLATION.
9. TRANSFORMER PADS SHALL BE LOCATED AS DIRECTED BY THE RESPECTIVE UTILITY REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE CODE REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE PROJECT ENGINEER, IF CONFLICTS WITH EXISTING STRUCTURES REQUIRE THAT PROPOSED UTILITIES BE RELOCATED.



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1	PLAN REVISIONS	

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TOWN OF BLUFFTON
Bluffton, South Carolina

SITE LAYOUT PLAN

VERTICAL DATUM:
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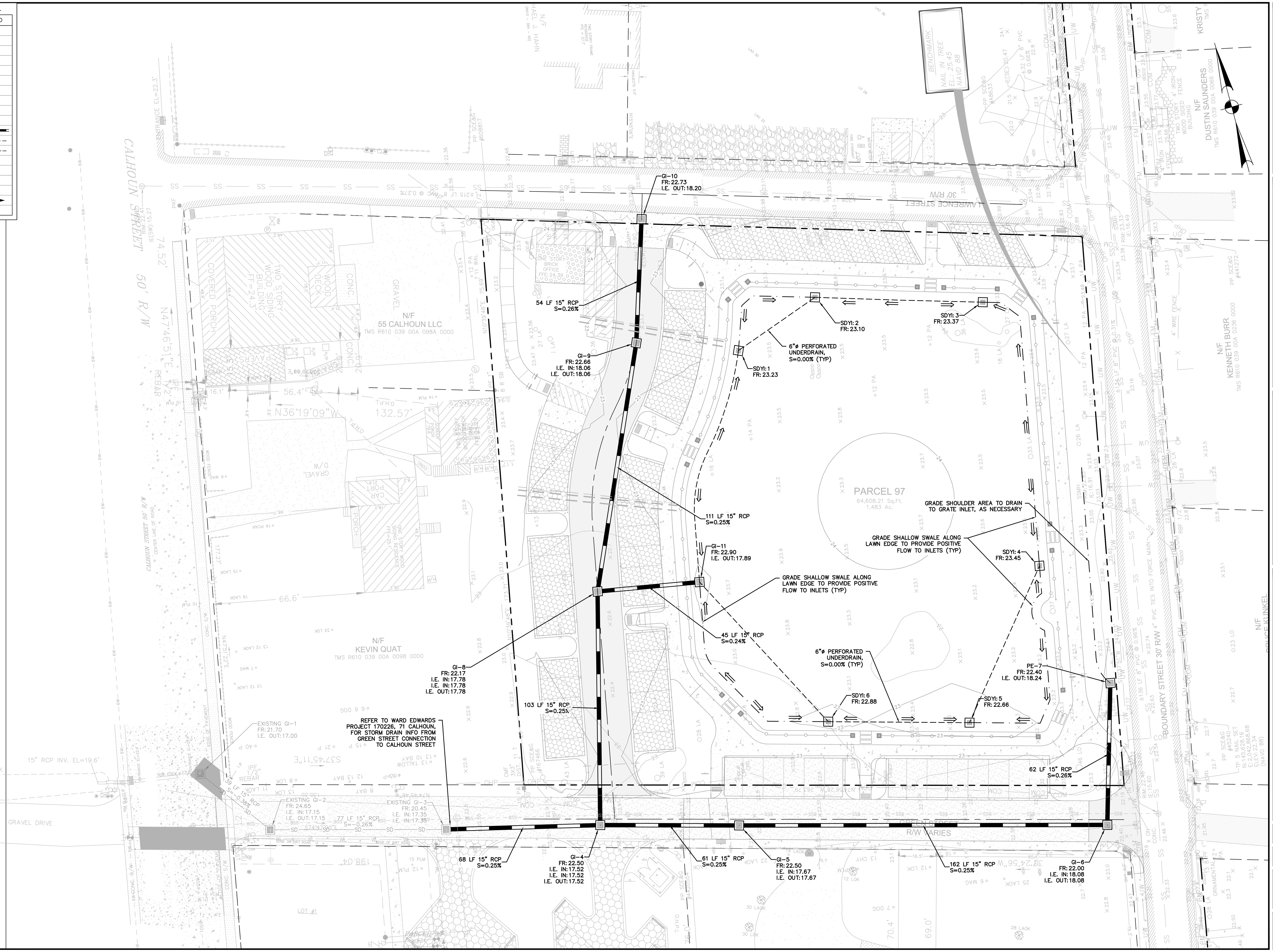
CHECKED BY:	HED
SCALE:	1"=20'

SHEET
C401

STORM SEWER/DRAINAGE LEGEND

	PROPOSED
DROP INLET	DI: A1
CURB INLET (WITH GRATE)	CI: A1
TYPE 16 CURB INLET	CI: A1
VALLEY GUTTER INLET	VI: A1
TRENCH DRAIN	TD: A1
WEIR INLET	WI: A1
YARD INLET	YI: A1
JUNCTION BOX	JB: A1
CLEANOUT	CO
DOWNSPOUT	
STORM DRAIN	
UNDERDRAIN	
ROOF DRAIN COLLECTOR	
FLARED END SECTION	
HEADWALL	
HEADWALL WITH WINGS	
OUTLET CONTROL STRUCTURE	
DITCH CENTERLINE	PD
DIRECTION OF FLOW	



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PLAN REVISIONS

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 25124 WILLIAM G. POWELL 12/19/18

SOUTH CAROLINA WARD EDWARDS, INC. No. C00152 CERTIFICATE OF AUTHORIZATION

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TOWN OF BLUFFTON
Bluffton, South Carolina

DRAINAGE PLAN

VERTICAL DATUM:
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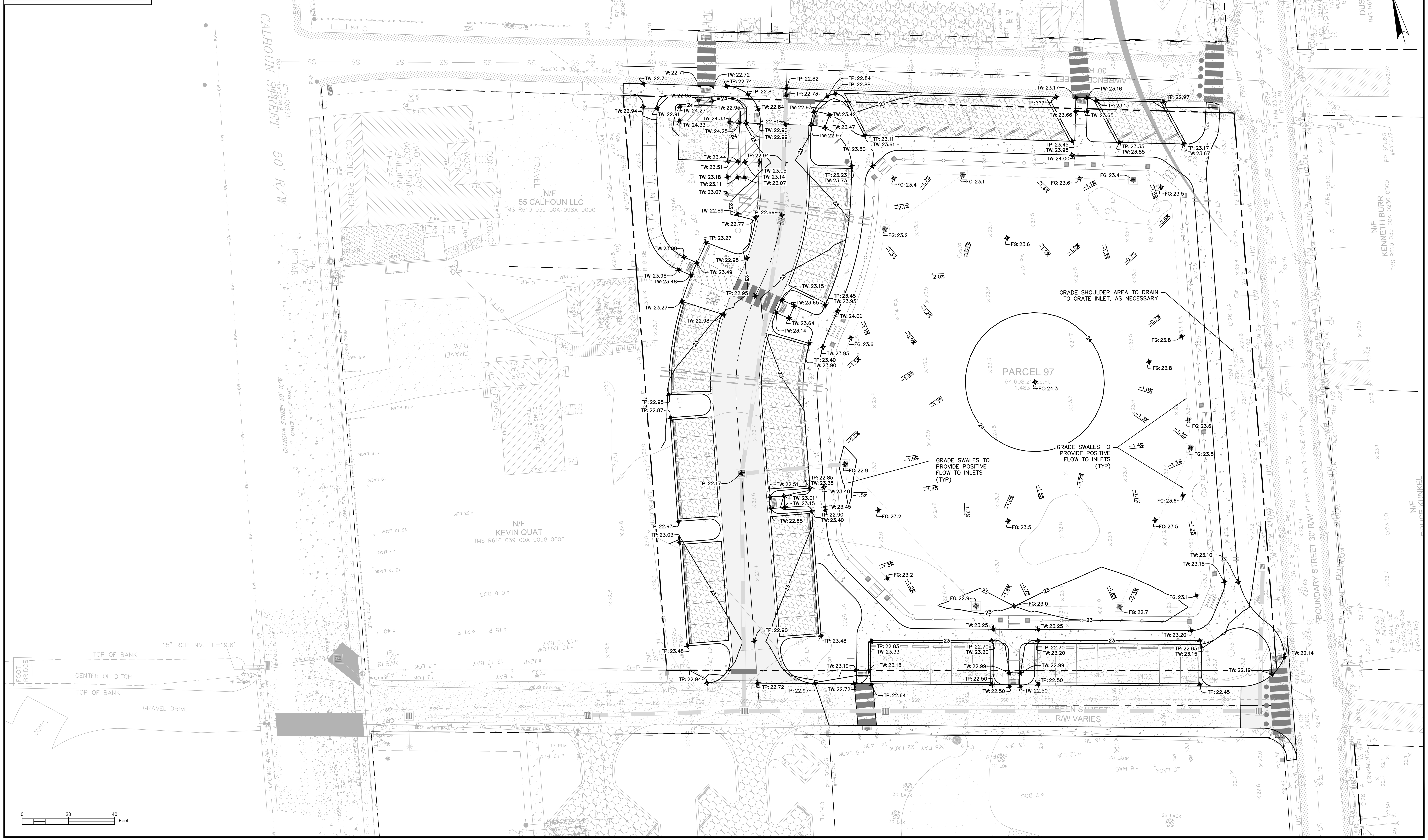
SCALE:	1"=20'

SHEET
C501

IF THIS SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT, SCALE ACCORDINGLY

GRADING LEGEND

	PROPOSED
TOP OF PAVEMENT ELEVATION	⊗ TP: 22.50
TOP OF WALK ELEVATION	⊗ TW: 22.50
TOP OF CURB ELEVATION	⊗ TC: 22.50
FINISH GRADE	⊗ FG: 22.5
HIGH POINT	⊗ HP
LOW POINT	⊗ LP
CONTOUR	——19——
DITCH CENTERLINE	→PD→
DIRECTION OF FLOW	→
DOORWAY	▶



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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 25124 12/19/18 LICENSED WILLIAM G. POWELL

SOUTH CAROLINA WARD EDWARDS, INC. No. C00152 CERTIFICATE OF AUTHORIZATION

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	PLAN REVISIONS	

68 BOUNDARY STREET

TOWN OF BLUFFTON, SOUTH CAROLINA

TOWN OF BLUFFTON
Bluffton, South Carolina

GRADING PLAN

VERTICAL DATUM:
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SHEET
C601

PAVING HATCH LEGEND

PROPOSED CONCRETE PAVING	
PROPOSED SIDEWALK/ CONCRETE	
PROPOSED AGGREGATE PAVING WITH GEOWEB SYSTEM	
PROPOSED AGGREGATE/ STONES	
PROPOSED ASPHALT (LIGHT DUTY)	
PROPOSED ASPHALT (HEAVY DUTY)	
MILL & OVERLAY ASPHALT	
PROPOSED CONCRETE PAVERS	

24"x96" SOLID WHITE CROSSWALK BARS (TYP)

6" CONCRETE SIDEWALK FLUSH TO LAWRENCE STREET, CONNECT SIDEWALK TO EXISTING WALK SERVING DuBOIS PARK

R1-1-30 STOP SIGN 24" WHITE STOP BAR

6" CONCRETE SIDEWALK FLUSH TO LAWRENCE STREET

CONCRETE PAVING (TYP)

CONCRETE CURB RAMP TYPE-C (TYP)

12" WIDE FLUSH HEADER CURB (TYP)

24"x96" SOLID WHITE CROSSWALK BARS (TYP)

RETRACTABLE BOLLARDS, TYP FOR BOTH GREEN & LAWRENCE STREETS

24"x96" SOLID WHITE CROSSWALK BARS (TYP)

CONCRETE CURB RAMP TYPE-C (TYP)

CONCRETE SIDEWALK (TYP)

REFER TO PLANS BY MKSK FOR HARDSCAPE DETAILS WITHIN SHADED AREAS, TO INCLUDE WALKS & STAIRS

AGGREGATE PAVING WITH 4" GW30V4 GEOWEB SYSTEM AND 2" GRAVEL SURFACE (TYP)

TURNED DOWN SIDEWALK (TYP)

CONCRETE WHEELSTOP (TYP)

R7-8 SIGN (TYP FOR 2)

SITE FEATURES, SEE LANDSCAPE PLANS (TYP)

CONCRETE CURB RAMP TYPE-C (TYP)

CONCRETE WHEELSTOP (TYP)

4" SOLID BLUE STRIPING PER MUTCD STANDARDS AND BLUE ADA PARKING SYMBOL (TYP)

TURNED DOWN SIDEWALK (TYP)

CONCRETE PAVING (TYP)

ASPHALT PAVING (TYP)

24"x96" SOLID WHITE CROSSWALK BARS (TYP)

CONCRETE CURB RAMP TYPE-C (TYP)

AGGREGATE PAVING WITH 4" GW30V4 GEOWEB SYSTEM AND 2" GRAVEL SURFACE (TYP)

TURNED DOWN SIDEWALK (TYP)

AGGREGATE PAVING WITH 4" GW30V4 GEOWEB SYSTEM AND 2" GRAVEL SURFACE (TYP)

CONCRETE CURB RAMP TYPE-C (TYP)

NO PARKING SIGN, WITH ARROW POINTING NORTH

12" WIDE FLUSH HEADER CURB (TYP)

SITE FEATURES, SEE LANDSCAPE PLANS (TYP)

CONCRETE WHEELSTOP (TYP)

TURNED DOWN SIDEWALK (TYP)

SIDEWALK INSTALLED AS PART OF 71 CALHOUN PROJECT, WE PROJECT NO:170226

CONCRETE CURB RAMP TYPE-C (TYP)

CONCRETE CURB RAMP TYPE-C (TYP)

HEAVY DUTY ASPHALT PAVING

R1-1-30 STOP SIGN 24" WHITE STOP BAR

8' WIDE CONCRETE CROSSWALK WITH 24"x96" SOLID WHITE CROSSWALK BARS

ALIGN CROSSWALK WITH HEYWARD HOUSE TRELLIS

6" CONCRETE SIDEWALK FLUSH TO GREEN STREET

6" AGGREGATE PAVING, TYP FOR GREEN STREET RESURFACING & PARKING

RETRACTABLE BOLLARDS, TYP FOR BOTH GREEN & LAWRENCE STREETS

RELOCATE EXISTING SIGNAGE, AS NECESSARY

8' WIDE CONCRETE CROSSWALK WITH 24"x96" SOLID WHITE CROSSWALK BARS

NO PARKING SIGN, WITH ARROW POINTING SOUTH

0 20 40 Feet

IF THIS SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT, SCALE ACCORDINGLY

SOUTH CAROLINA PROFESSIONAL ENGINEER WILLIAM G. HED No. 25124 LICENSED 12/19/18

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION WARD EDWARDS, INC. No. C00152

NO.	DESCRIPTION	DATE
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1	PLAN REVISIONS	

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TOWN OF BLUFFTON, SOUTH CAROLINA

TOWN OF BLUFFTON
Bluffton, South Carolina

PAVING PLAN

VERTICAL DATUM: NAVD 88

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PROJECT #:	150606
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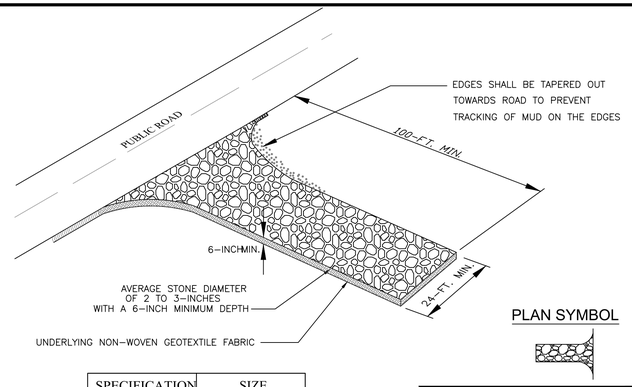
CHECKED BY:	HED
SCALE:	1"=20'

SHEET
C701



PLAN SYMBOL

SPECIFICATION	SIZE
ROCK PAD THICKNESS	6 INCHES
ROCK PAD WIDTH	24 FEET
ROCK PAD LENGTH	100 FEET
ROCK PAD STONE SIZE	D = 2-3 INCHES

South Carolina Department of Health and Environmental Control

CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 1 of 2

NOT TO SCALE FEBRUARY 2014 DATE

CONSTRUCTION ENTRANCE – GENERAL NOTES

1. Stabilized construction entrances should be used at all points where traffic will egress/ingress a construction site onto a public road or any impervious surfaces, such as parking lots.
2. Install a non-woven geotextile fabric prior to placing any stone.
3. Install a culvert pipe across the entrance when needed to provide positive drainage.
4. The entrance shall consist of 2-inch to 3-inch D50 stone placed at a minimum depth of 6-inches.
5. Minimum dimensions of the entrance shall be 24-feet wide by 100-feet long, and may be modified as necessary to accommodate site constraints.
6. The edges of the entrance shall be tapered out towards the road to prevent tracking at the edge of the entrance.
7. Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.
8. Limestone may not be used for the stone pad.

CONSTR. ENTRANCE – INSPECTION & MAINTENANCE

1. The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.
4. Reshape the stone pad as necessary for drainage and runoff control.
5. Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off-site by vehicles. Frequent washing will extend the useful life of stone pad.
6. Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.
7. During maintenance activities, any broken pavement should be repaired immediately.
8. Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, unless area will be converted to an impervious surface to serve post-construction.

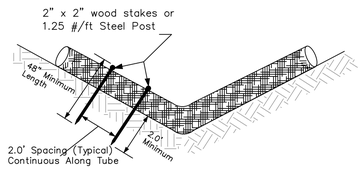
South Carolina Department of Health and Environmental Control

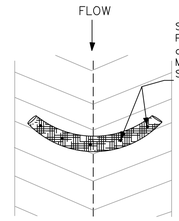
CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. SC-06 PAGE 2 of 2

GENERAL NOTES FEBRUARY 2014 DATE

SEDIMENT TUBE INSTALLATION





SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150-FEET
2%	100-FEET
3%	75-FEET
4%	50-FEET
5%	40-FEET
6%	30-FEET
GREATER THAN 6%	25-FEET

PLAN SYMBOL

South Carolina Department of Health and Environmental Control

SEDIMENT TUBES

STANDARD DRAWING NO. SC-05 PAGE 1 of 2

NOT TO SCALE FEBRUARY 2014 DATE

SEDIMENT TUBES – GENERAL NOTES

1. Sediment tubes may be installed along contours, in drainage conveyance channels, and around inlets to help prevent off-site discharge of sediment-laden stormwater runoff.
2. Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulch. Straw, pine needle, and leaf mulch-filled sediment tubes are not permitted.
3. The outer netting of the sediment tube should consist of seamless, high-density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density polyethylene non-degradable material.
4. Sediment tubes, when used as checks within channels, should range between 18-inches and 24-inches depending on channel dimensions. Diameters outside this range may be allowed where necessary when approved.
5. Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.
6. Sediment tubes should be staked using wooden stakes (2-inch X 2-inch) or steel posts (standard "U" or "T" sections with a minimum weight of 1.25 pounds per foot) at a minimum of 48-inches in length placed on 2-foot centers.
7. Install all sediment tubes to ensure that no gaps exist between the soil and the bottom of the tube. Manufacturer's recommendations should always be consulted before installation.
8. The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through the field joint.
9. Sediment tubes should not be stacked on top of one another, unless recommended by manufacturer.
10. Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.
11. Sediment tubes should continue up the side slopes a minimum of 1-foot above the design flow depth of the channel.
12. Install stakes at a diagonal facing incoming runoff.

SEDIMENT TUBES – INSPECTION & MAINTENANCE

1. The key to functional sediment tubes is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of sediment tubes shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations in front of the sediment tube is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the sediment tube.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Large debris, trash, and leaves should be removed from in front of tubes when found.
7. If erosion causes the edges to fall to a height equal to or below the height of the sediment tube, repairs should be made immediately to prevent runoff from bypassing tube.
8. Sediment tubes should be removed after the contributing drainage area has been completely stabilized. Permanent vegetation should replace areas from which sediment tubes have been removed.

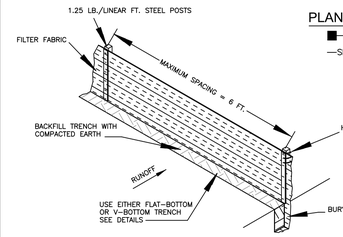
South Carolina Department of Health and Environmental Control

SEDIMENT TUBES

STANDARD DRAWING NO. SC-05 PAGE 2 of 2

GENERAL NOTES FEBRUARY 2014 DATE

SILT FENCE INSTALLATION



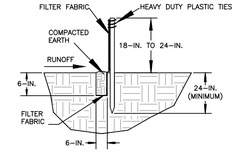
PLAN SYMBOL

—SF—SF—

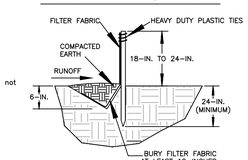
SILT FENCE – GENERAL NOTES

1. Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
2. Maximum sheet or overland flow path length to the silt fence shall be 100-feet.
3. Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
4. Silt fence joints, when necessary, shall be completed by one of the following options:
   - Wrap each fabric together at a support post with both ends fastened to the post, with a 1-foot minimum overlap;
   - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties; or,
   - Overlap entire width of each silt fence roll from one support post to the next support post.
5. Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
6. Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.
7. Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

FLAT-BOTTOM TRENCH DETAIL



V-SHAPED TRENCH DETAIL



South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 Page 1 of 2

NOT TO SCALE FEBRUARY 2014 DATE

SILT FENCE – POST REQUIREMENTS

1. Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics.
   - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
   - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
   - Weigh 1.25 pounds per foot (± 8%)
2. Posts shall be equipped with projections to aid in fastening of filter fabric.
3. Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 15 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
4. Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
5. Post spacing shall be at a maximum of 6-feet on center.

SILT FENCE – FABRIC REQUIREMENTS

1. Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
   - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other;
   - Free of any treatment or coating which might adversely alter its physical properties after installation;
   - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
   - Have a minimum width of 36-inches.
2. Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
3. 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
4. Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
5. Filter Fabric shall be installed at a minimum of 24-inches above the ground.

SILT FENCE – INSPECTION & MAINTENANCE

1. The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary.
7. Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
8. Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

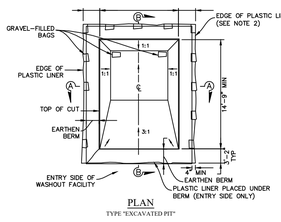
South Carolina Department of Health and Environmental Control

SILT FENCE

STANDARD DRAWING NO. SC-03 PAGE 2 of 2

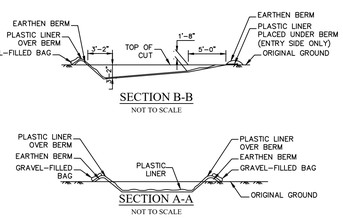
GENERAL NOTES FEBRUARY 2014 DATE

EXCAVATED PIT CONCRETE WASHOUT



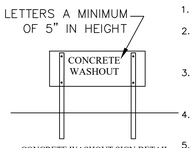
PLAN

TYPE "EXCAVATED PIT"



NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
6. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.
7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.



CONCRETE WASHOUT SIGN DETAIL

CWS

South Carolina Department of Health and Environmental Control

CONCRETE WASHOUT

EXCAVATED PIT

STANDARD DRAWING NO. RC-08 PAGE 1 of 1

NOT TO SCALE FEBRUARY 2014 DATE

TYPE A – SEDIMENT TUBE INLET PROTECTION

GENERAL NOTES

1. Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulch. Straw, pine needle, and leaf mulch-filled sediment tubes are not permitted.
2. The outer netting of the sediment tube should consist of seamless, high-density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density polyethylene non-degradable material.
3. Sediment tube diameters shall range from 18-inches to 24-inches. Sediment tunes with smaller diameters are prohibited when used as inlet protection.
4. Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.
5. Sediment tubes should be staked using wooden oak stakes (2-inch X 2-inch) or steel posts (standard "U" or "T" sections with a minimum weight of 1.25 pounds per foot) at a minimum of 48-inches in length placed on 2-foot centers.
6. Install all sediment tubes to ensure that no gaps exist between the soil and the bottom of the tube. Manufacturer's recommendations should always be consulted before installation.
7. The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through the field joint.
8. Sediment tubes should not be stacked on top of one another.
9. Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.
10. Install stakes at a diagonal facing incoming runoff.

INSPECTION & MAINTENANCE

1. The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of sediment tube inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. Attention to sediment accumulations in front of the sediment tube is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
4. Remove accumulated sediment when it reaches 1/3 the height of the sediment tube. When a sump is installed in front of the inlet protection, sediment shall be removed when if fills approximately 1/3 the depth of the sump.
5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
6. Large debris, trash, and leaves should be removed from in front of tubes when found.
7. Inlet protection structures should be removed after the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

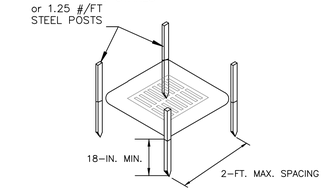
South Carolina Department of Health and Environmental Control

Type A

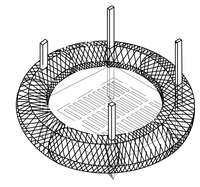
SEDIMENT TUBE INLET PROTECTION

STANDARD DRAWING NO. SC-07A PAGE 2 of 2

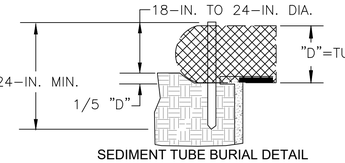
NOT TO SCALE FEBRUARY 2014 DATE



POST INSTALLATION DETAIL



SEDIMENT TUBE INSTALLATION DETAIL



SEDIMENT TUBE BURIAL DETAIL

PLAN SYMBOL

(A)

South Carolina Department of Health and Environmental Control

Type A

SEDIMENT TUBE INLET PROTECTION

STANDARD DRAWING NO. SC-07A PAGE 1 of 2

NOT TO SCALE FEBRUARY 2014 DATE

WILLIAM G. COWELL — No. 25124 — LICENSED ENGINEER — SOUTH CAROLINA

WARD EDWARDS, INC. — No. C00152 — CERTIFICATE OF AUTHORIZATION — SOUTH CAROLINA

NO.	DESCRIPTION	DATE
1	PLAN REVISIONS	
2		
3		
4		
5		
6		
7		

Ward Edwards ENGINEERING
P.O. BOX 381, BLUFFTON, SOUTH CAROLINA 29910
PH (843) 837-5250 / FAX (843) 837-2558
WWW.WARDEDWARDS.COM

68 BOUNDARY STREET
TOWN OF BLUFFTON, SOUTH CAROLINA

TOWN OF BLUFFTON
Bluffton, South Carolina

CONSTRUCTION DETAILS

VERTICAL DATUM: NAVD 88

☑ NOT FOR CONSTRUCTION
☐ RELEASED FOR CONSTRUCTION

PROJECT #:	150606
DATE:	12/19/18
DESIGNED BY:	WGP
CHECKED BY:	HED
SCALE:	AS NOTED

SHEET
C801

IF THIS SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE ACCORDINGLY

ADHESIVE	WATER DILUTION	NOZZLE TYPE	APPLICATION (GAL./ACRE)
ANIONIC ASPHALT EMULSION	7:1*	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1*	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1*	FINE SPRAY	300

*USE MANUFACTURER'S RECOMMENDATIONS WHEN AVAILABLE.

MAINTENANCE:
- PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING.
- SUPPLEMENT SURFACE COVERING AS NEEDED.

INSTALLATION:
- APPLY ACCORDING TO APPROVED PLAN.
- MULCH DISTURBED AREAS AMD TACKIFY WITH RESINS SUCH AS ASPHALT, CURASOL OR TERRATACK ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT VEGETATION.
- IRRIGATE DISTURBED AREAS UNTIL SURFACE IS WET.
- COVER SURFACES WITH CRUSHED STONE OR GRAVEL.
- APPLY CALCIUM CHLORIDE AT A RATE TO KEEP SURFACES MOIST.
- APPLY SPRAY-ON ADHESIVES TO MINERAL SOILS (NOT MUCK SOILS) AS DESCRIBED IN TABLE 1.

(DC) DUST CONTROL ON DISTURBED AREAS

TEMPORARY SEEDING – COASTAL

SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SANDY, DROUGHTY SITES													
BROWNTOP MILLET	40 LBS/AC												
RYE, GRAIN	56 LBS/AC												
RYEGRASS	50 LBS/AC												
WELL DRAINED, CLAYEY/LOAMEY SITES													
BROWNTOP MILLET OR JAPANESE MILLET	40 LBS/AC												
RYE, GRAIN OR OATS	56 LBS/AC 75 LBS/AC												
RYEGRASS	50 LBS/AC												

PERMANENT SEEDING – COASTAL

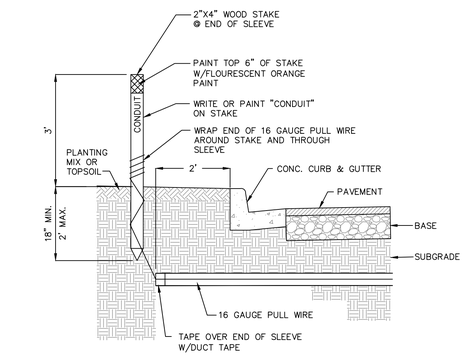
SPECIES	LBS/AC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SANDY, DROUGHTY SITES													
BROWNTOP MILLET BAHIAGRASS	10 LBS/AC 40 LBS/AC												
BROWNTOP MILLET BAHIAGRASS SERICEA LESPEDEZA	10 LBS/AC 30 LBS/AC 40 LBS/AC												
BROWNTOP MILLET ATLANTIC COASTAL PANICGRASS	10 LBS/AC 15 LBS/AC PLS												
BROWNTOP MILLET SWITCHGRASS (ALAMO) LITTLE BLUESTEM SERICEA LESPEDEZA	10 LBS/AC 8 LBS/AC PLS 4 LBS/AC 20 LBS/AC												
BROWNTOP MILLET WEEPING LOVEGRASS	10 LBS/AC 8 LBS/AC												
WELL DRAINED, CLAYEY/LOAMEY SITES													
BROWNTOP MILLET BAHIAGRASS	10 LBS/AC 40 LBS/AC												
RYE, GRAIN BAHIAGRASS CLOVER, CRIMSON (ANNUAL)	10 LBS/AC 40 LBS/AC 5 LBS/AC												
BROWNTOP MILLET BAHIAGRASS SERICEA LESPEDEZA	10 LBS/AC 30 LBS/AC 40 LBS/AC												
BROWNTOP MILLET BERMUDA, COMMON SERICEA LESPEDEZA	10 LBS/AC 10 LBS/AC 40 LBS/AC												
BROWNTOP MILLET BERMUDA, COMMON KOBE LESPEDEZA (ANNUAL)	10 LBS/AC 12 LBS/AC 10 LBS/AC												
BROWNTOP MILLET BAHIAGRASS BERMUDA, COMMON SERICEA LESPEDEZA	10 LBS/AC 20 LBS/AC 6 LBS/AC 40 LBS/AC												
BROWNTOP MILLET SWITCHGRASS LITTLE BLUESTEM INDIANGRASS	10 LBS/AC 8 LBS/AC PLS 3 LBS/AC PLS 3 LBS/AC PLS												

(TS) TEMPORARY SEEDING - COASTAL

DETAIL 02370-011

(PS) PERMANENT SEEDING - COASTAL

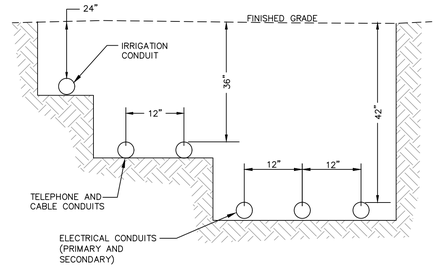
DETAIL 02370-010



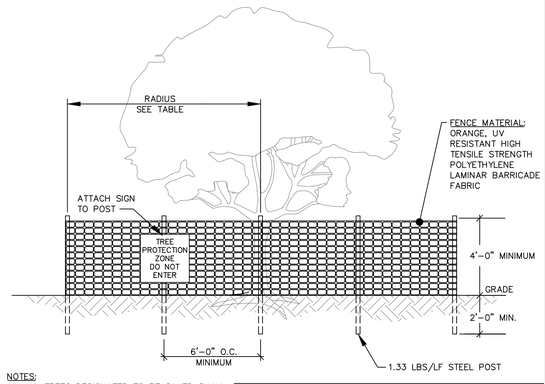
CONDUIT NOTES:

1. ALL CONDUIT ENDS SHALL BE CAPPED AND MARKED AS ILLUSTRATED.
2. ELECTRICAL CONDUIT: 42" BURY DEPTH, SCH 40 ELECTRICAL GRADE (N.E.C.) PVC
3. TELCO CONDUIT: 36" BURY DEPTH, SCH 40 ELECTRICAL GRADE (N.E.C.) PVC
4. IRRIGATION CONDUIT: 24" BURY DEPTH, SCH 40 PVC
5. MINIMUM 12" VERTICAL CLEARANCE WHEN CROSSING WATER, SEWER, AND DRAINAGE.
6. MINIMUM 18" HORIZONTAL CLEARANCE WHEN PARALLELING WATER, SEWER, AND DRAINAGE.
7. MINIMUM 12" HORIZONTAL SEPARATION BETWEEN CONDUIT.
8. CONDUIT MUST EXTEND BEYOND PAVEMENT, CURB, AND SIDEWALKS.
9. THE CONTRACTOR MUST INSTALL ALL CONDUITS, AS SHOWN ON THE PLANS OR AS REQUIRED BY DRY UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS WITH REGARDS TO THE INSTALLATION OF UTILITIES AND CONDUIT.
10. REFER TO PLANS FOR CONDUIT SIZE AND LOCATION. PLAN VIEW LOCATIONS OF CONDUIT ARE APPROXIMATE.
11. NO 90° OR 45° COUPLINGS TO BE USED ON CONDUIT.
12. CONDUIT MUST BE STRAIGHT TO ALLOW PIPE AND/OR WIRING BY UTILITY COMPANY AND IRRIGATION INSTALLER.
13. CONDUIT NOT INSTALLED AT PROPER DEPTH WILL BE REINSTALLED TO CONFORM TO DETAIL.
14. CONTRACTOR TO VERIFY CONDUIT INTEGRITY PRIOR TO FINAL PAVING.

CONDUIT DETAIL



UTILITY CONDUIT TRENCH DETAIL



NOTES:
1. ALL TREES DESIGNATED TO BE SAVED SHALL BE PROTECTED BY FENCING.
2. INSTALL TREE PROTECTION FENCE TO RADIUS INDICATED IN TABLE UNLESS OTHERWISE INDICATED ON PLANS.
3. WARNING SIGNS TO BE MADE OF DURABLE WATERPROOF MATERIAL.
4. ALL WARNING SIGN LETTERS TO BE AT LEAST 3 INCHES HIGH, CLEARLY LEGIBLE AND SPACED A MINIMUM OF ONE EVERY 40 FT. FOR PROTECTION AREAS LESS THAN 40 FT IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER SIDE.
5. THE SIZE OF EACH WARNING SIGN MUST BE A MINIMUM OF 2' x 2' AND BE VISIBLE FROM BOTH SIDES OF THE FENCE.
6. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.
7. THERE SHALL BE NO STORAGE OF MATERIAL WITHIN THE BOUNDARIES OF THE TREE PROTECTION FENCING.
8. TREE PROTECTION FENCING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. FENCING MUST REMAIN UPRIGHT AND SLACK FREE.

TABLE – RADIUS OF TREE PROTECTION ZONE (TPZ)	
JURISDICTION	RADIUS OF CIRCULAR TPZ
BEAUFORT COUNTY BEAUFORT CO. DEV. CODE 5.11.100	1 FOOT PER INCH OF TRUNK DBH
TOWN OF BLUFFTON UDO 5.3.3	1.5 FEET PER INCH OF TRUNK DBH OR 10 FEET WHICHEVER IS GREATER
TOWN OF HILTON HEAD LMO 16-6-104, J-3A	FENCING AT DRIP LINE FOR ALL TREES TO BE RETAINED
CITY OF BEAUFORT BEAUFORT CODE 5.3.3	0.5 FOOT PER INCH OF TRUNK DBH
JASPER COUNTY ZONING ORD. ART. 13.5	FENCING AT DRIP LINE FOR ALL TREES TO BE RETAINED
TOWN OF PORT ROYAL PORT ROYAL CODE 5.7.70	1.5 FEET PER INCH OF TRUNK DBH OR 5 FEET WHICHEVER IS GREATER
CITY OF HARDEEVILLE MZ&DO 4.8, F-3	FENCING AT DRIP LINE FOR ALL TREES TO BE RETAINED

DBH = TRUNK DIAMETER AT BREAST HEIGHT

TREE PROTECTION FENCE

DETAIL #02915-008

NORTH CAROLINA PROFESSIONAL ENGINEER
WILLIAM G. COWELL
LICENSED
No. 25124
12/19/18

NOTARIZATION OF CERTIFICATE OF SOUTH CAROLINA
WARD EDWARDS, INC.
No. C00152

NO.	DESCRIPTION	DATE
7		
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4		
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2		
1	PLAN REVISIONS	

Ward Edwards ENGINEERING
P.O. BOX 381, BLUFFTON, SOUTH CAROLINA 29910
PH (843) 837-5250 / FAX (843) 837-2558
WWW.WARDEDWARDS.COM

68 BOUNDARY STREET
TOWN OF BLUFFTON, SOUTH CAROLINA

TOWN OF BLUFFTON
Bluffton, South Carolina

CONSTRUCTION DETAILS

VERTICAL DATUM:
NAVD 88

☑ NOT FOR CONSTRUCTION
☐ RELEASED FOR CONSTRUCTION

PROJECT #:	ISO606
DATE:	12/19/18
DESIGNED BY:	WGP
CHECKED BY:	HED
SCALE:	AS NOTED

SHEET
C802

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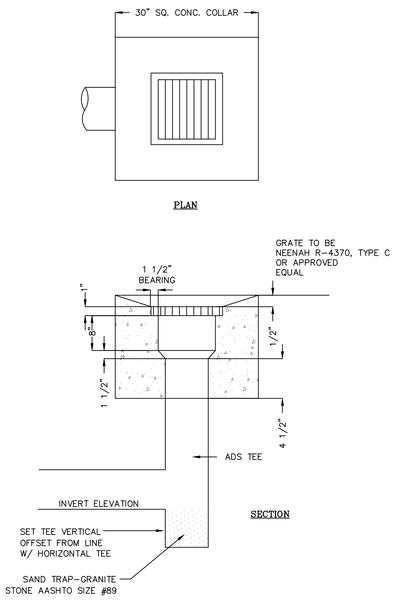
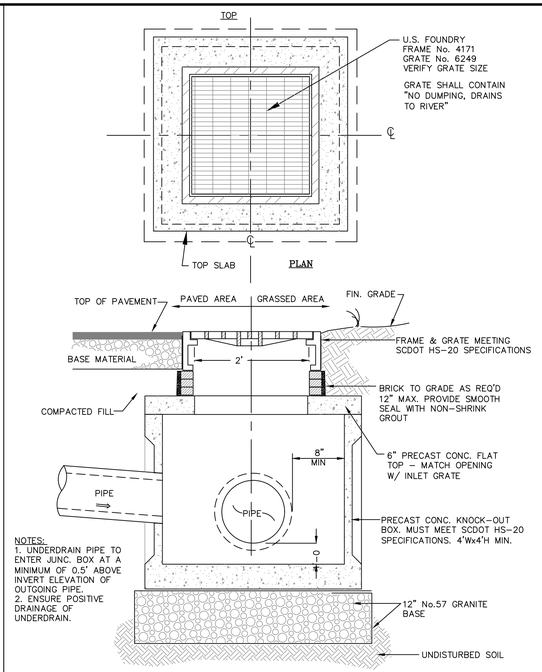


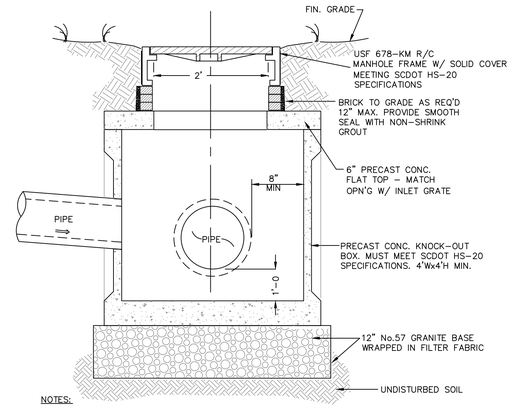
YARD INLET

DETAIL 02630-020



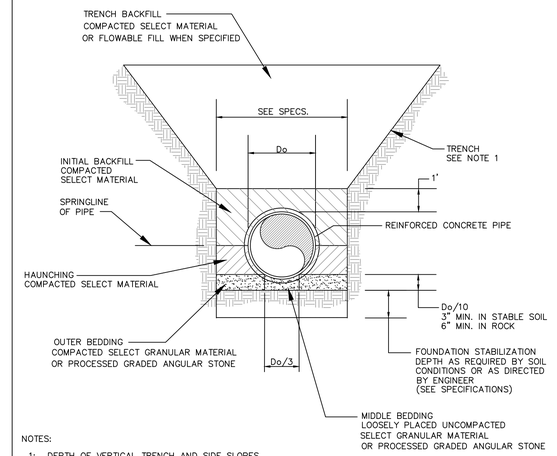
GRATE INLET

DETAIL 02630-027



JUNCTION BOX WITH FRAME AND COVER

DETAIL 02630-030



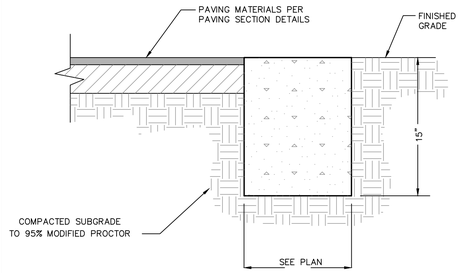
NOTES:

1. DEPTH OF VERTICAL TRENCH AND SIDE SLOPES OF TRENCH MAY VARY DEPENDING ON DEPTH OF EXCAVATION AND TRENCH PROTECTION SYSTEM USED. COMPLY WITH OSHA REGULATIONS (STANDARDS - 29 CFR) PART 1956 SUBPART P, EXCAVATIONS.
2. WHEN PROCESSED ANGULAR STONE IS USED FOR MIDDLE AND OUTER BEDDING, THE STONE SHALL BE COMPLETELY WRAPPED IN FILTER FABRIC TO PREVENT MIGRATION OF SURROUNDING SOILS.

EMBEDMENT DETAIL FOR REINFORCED CONCRETE PIPE

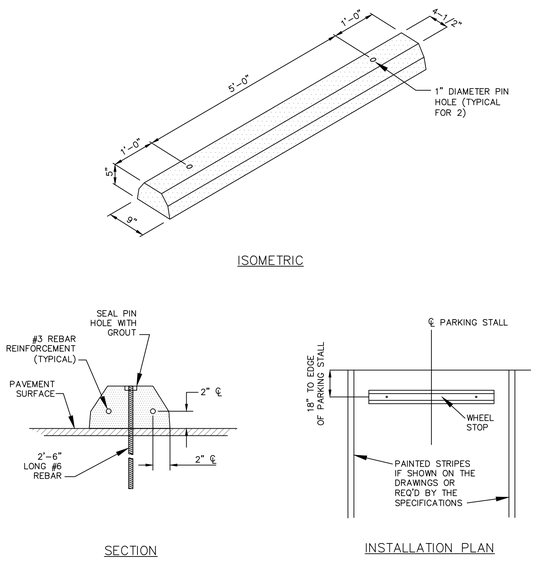
NOTES:

1. ALL CONCRETE SHALL BE 3,000 PSI.
2. PROVIDE CONTRACTION JOINTS EVERY TEN FEET (10').
3. PROVIDE EXPANSION JOINTS EVERY FIFTY (50') FEET AND AT ALL TANGENT POINTS.
4. PROVIDE EXPANSION JOINTS WHERE CURB ABUTS SIDEWALKS OR OTHER RIGID STRUCTURES.
5. EXPANSION JOINTS SHALL BE 1/2" WITH PRE-MOLDED JOINT FILLER.
6. TOOL ALL EXPOSED EDGES & JOINTS TO 1/4" RADIUS.
7. PROVIDE LIGHT BROOM FINISH.



FLUSH HEADER CURB

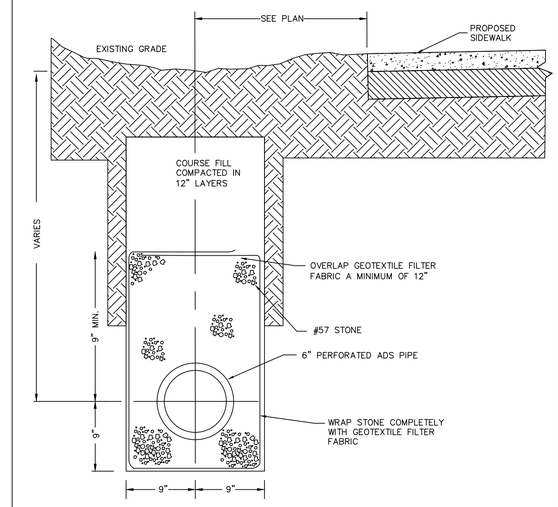
DETAIL 03300-005



NOTES:

1. WHEEL STOPS SHALL BE STEEL REINFORCED PRECAST UNITS CONSISTING OF SCDOT CLASS 3000 CONCRETE, MINIMUM. ALTERNATE MATERIAL COMPOSITION MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
2. WHEEL STOPS SHALL BE INSTALLED PERPENDICULAR TO PARKING STALL AND SHALL BE PLACED A MINIMUM OF 18" FROM END OF PARKING STALL OR OBSTRUCTION.
3. ANCHORING PINS SHALL BE DRIVEN FLUSH TO THE TOP OF THE WHEEL STOP AND PIN HOLES SHALL BE GROUTED UPON INSTALLATION.

PRECAST CONCRETE WHEEL STOP



PERFORATED PIPE & STONE SYSTEM

Ward Edwards ENGINEERING
P.O. BOX 381, BLUFFTON, SOUTH CAROLINA 29910
PH (843) 837-5250 / FAX (843) 837-2558
WWW.WARDEDWARDS.COM

NO.	DESCRIPTION	DATE
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68 BOUNDARY STREET
TOWN OF BLUFFTON, SOUTH CAROLINA

TOWN OF BLUFFTON
Bluffton, South Carolina

CONSTRUCTION DETAILS

VERTICAL DATUM: NAVD 88

☑ NOT FOR CONSTRUCTION
☐ RELEASED FOR CONSTRUCTION

PROJECT #:	150606
DATE:	12/19/18
DESIGNED BY:	WGP
CHECKED BY:	HED
SCALE:	AS NOTED

SHEET
C803

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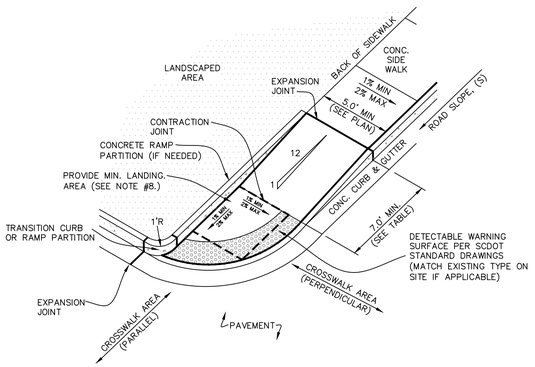
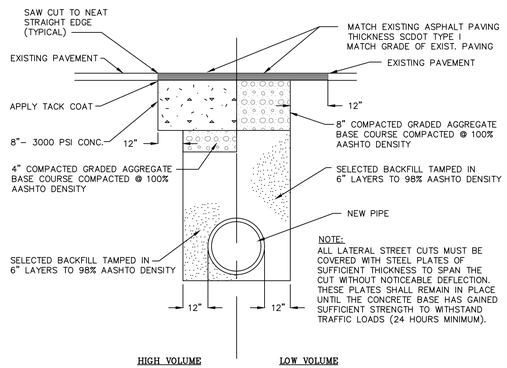


ROAD SLOPE, S (%)	L, (UPHILL SIDE RAMP), [FT]
S ≤ 1%	7'–0"
1% < S ≤ 3%	10'–0"
S > 3%	15'–0"

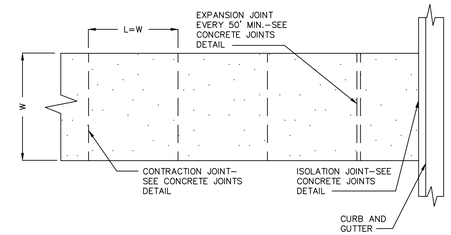
NOTES:
1. ALL CONCRETE SHALL BE CLASS A, 3,000 PSI.
2. REFER TO STANDARD DETAILS FOR SIDEWALKS, CURB & GUTTER, AND CONCRETE JOINTS.
3. CURB RAMP SHALL BE BROOM–FINISHED TO PROVIDE A ROUGH, SKID–RESISTANT SURFACE. ALL JOINTS AND EDGES SHALL BE HAND TOOLED.
4. GUTTER FLOW LINE AND PLAN PROFILE SHALL BE MAINTAINED THROUGH THE RAMP AREA. THE SURFACE OF THE RAMP SHALL BE FLUSH WITH THE FLOWLINE OF THE CURB AND GUTTER.
5. PLACE DETECTABLE WARNING IN LINE AND FLUSH WITH BACK OF "DROPPED CURB".
6. SIDE SLOPES OF THE RAMP ARE NOT TO EXCEED 12:1 (8.33%) AT ANY LOCATION WHERE PEDESTRIAN TRAFFIC CROSSES THE RAMP.
7. CROSS SLOPES OF SIDEWALK, RAMP, AND LANDING TO BE BETWEEN 100:1 (1%) AND 50:1 (2%).
8. IF CROSSWALK IS PARALLEL WITH WALK, A MIN. LANDING OF 4'x 4' MUST BE PROVIDED. HOWEVER, IF THE CROSSWALK IS PERPENDICULAR TO THE WALK, A MIN. LANDING OF 5'x 5' MUST BE PROVIDED

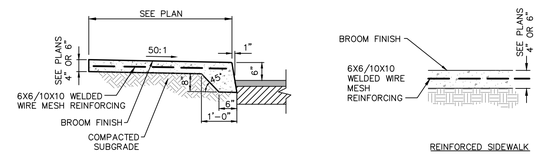
CONCRETE CURB RAMP TYPE-C
DETAIL 03300-031



HIGH VOLUME LOW VOLUME

ASPHALT CUT AND PATCH
DETAIL 02740-003

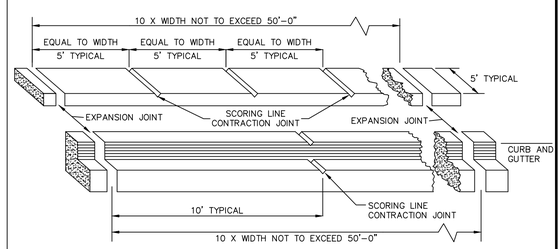




TURNED DOWN SIDEWALK REINFORCED SIDEWALK

NOTES:
1. W = VARIES, REFER TO STAKING PLAN FILL IN BASED ON SITE PLAN
2. L = WIDTH OF PAVING UNLESS OTHERWISE INDICATED ON PLAN.
3. SLOPE = AS INDICATED ON GRADING PLAN, NOT TO EXCEED 2% CROSS OF 8.33% LONGITUDINAL
4. ALL CONCRETE SHALL BE CLASS A 3000 PSI
5. FINISH BROOM WITH HAND TOOLED JOINTS AND EDGES.

CONCRETE SIDEWALK
DETAIL 03300-006



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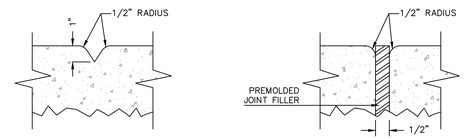
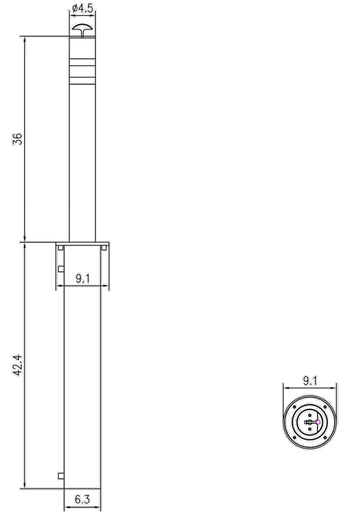


NOTES:
1. EXPANSION JOINTS, 1/2 INCH THICK, SHALL BE PLACED IN THE SIDEWALK AND CURBING AT THE POINT OF CURVATURE (PC) AND POINT OF TANGENCY (PT) OF ALL CURVES, AT THE OUTER EDGES OF DRIVEWAYS, AND AT UNIFORM INTERVALS AS SHOWN. EXPANSION JOINTS SHALL MEET SCDOT SPECIFICATION SECTION 702.2.2.1.
2. TRANSVERSE SCORING LINES (CONTRACTION JOINTS) IN THE SIDEWALK SHALL BE PLACED BETWEEN EXPANSION JOINTS AT UNIFORM INTERVALS EQUAL TO THE WIDTH OF THE WALK AS SHOWN.
3. LONGITUDINAL SCORING LINES WILL BE REQUIRED IN WALKS WIDER THAN 5 FEET OR AS DIRECTED BY THE ENGINEER.
4. TRANSVERSE CONTRACTION JOINTS IN THE CURBING SHALL BE PLACED BETWEEN EXPANSION JOINTS AT UNIFORM 10' INTERVALS.
5. TRANSVERSE AND LONGITUDINAL SCORING LINES SHALL BE A DEPTH OF 1" AND NOT LESS THAN 1/4 INCH OR MORE THAN 1/2 INCH IN WIDTH. THE CORNERS OF THE SCORING LINES SHALL HAVE A 1/2 INCH MINIMUM RADII.
6. JOINTS IN THE CURB AND GUTTER SHALL ALIGN WITH CORRESPONDING JOINTS IN THE SIDEWALK.

EXPANSION JOINTS AND SCORING LINES
DETAIL 03300-007A

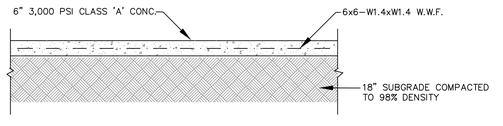
Retractable Bollard



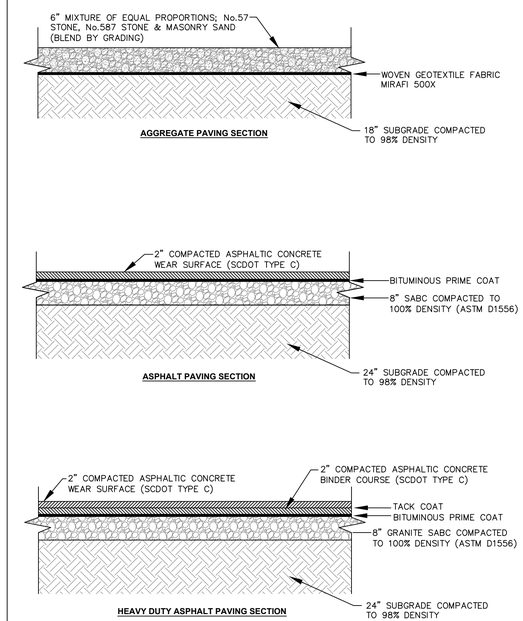
D=4.5 H=36(inches)
Retractable Bollard
Model: DBO-114R4-900

www.delosgroup.com

Bollard Solutions	
Manufacture	Delos
Date	11.28.2011



CONCRETE PAVING SECTION
DETAIL #03300-034



TYPICAL PAVING SECTIONS
DETAIL 02740-016

SOUTH CAROLINA PROFESSIONAL ENGINEER WILLIAM G. HOWELL No. 25124 LICENSED 12/19/18

CERTIFICATE OF AUTHORIZATION WARD EDWARDS, INC. NO. C00152 SOUTH CAROLINA

NO.	DESCRIPTION	DATE
1	PLAN REVISIONS	
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Ward Edwards ENGINEERING
P.O. BOX 381, BLUFFTON, SOUTH CAROLINA 29910
PH (843) 837-5250 / FAX (843) 837-2558
WWW.WARDEDWARDS.COM

68 BOUNDARY STREET
TOWN OF BLUFFTON, SOUTH CAROLINA

TOWN OF BLUFFTON
Bluffton, South Carolina

CONSTRUCTION DETAILS

VERTICAL DATUM: NAVD 88

☑ NOT FOR CONSTRUCTION
☐ RELEASED FOR CONSTRUCTION

PROJECT #:	150606
DATE:	12/19/18
DESIGNED BY:	WGP
CHECKED BY:	HED
SCALE:	AS NOTED

SHEET
C804

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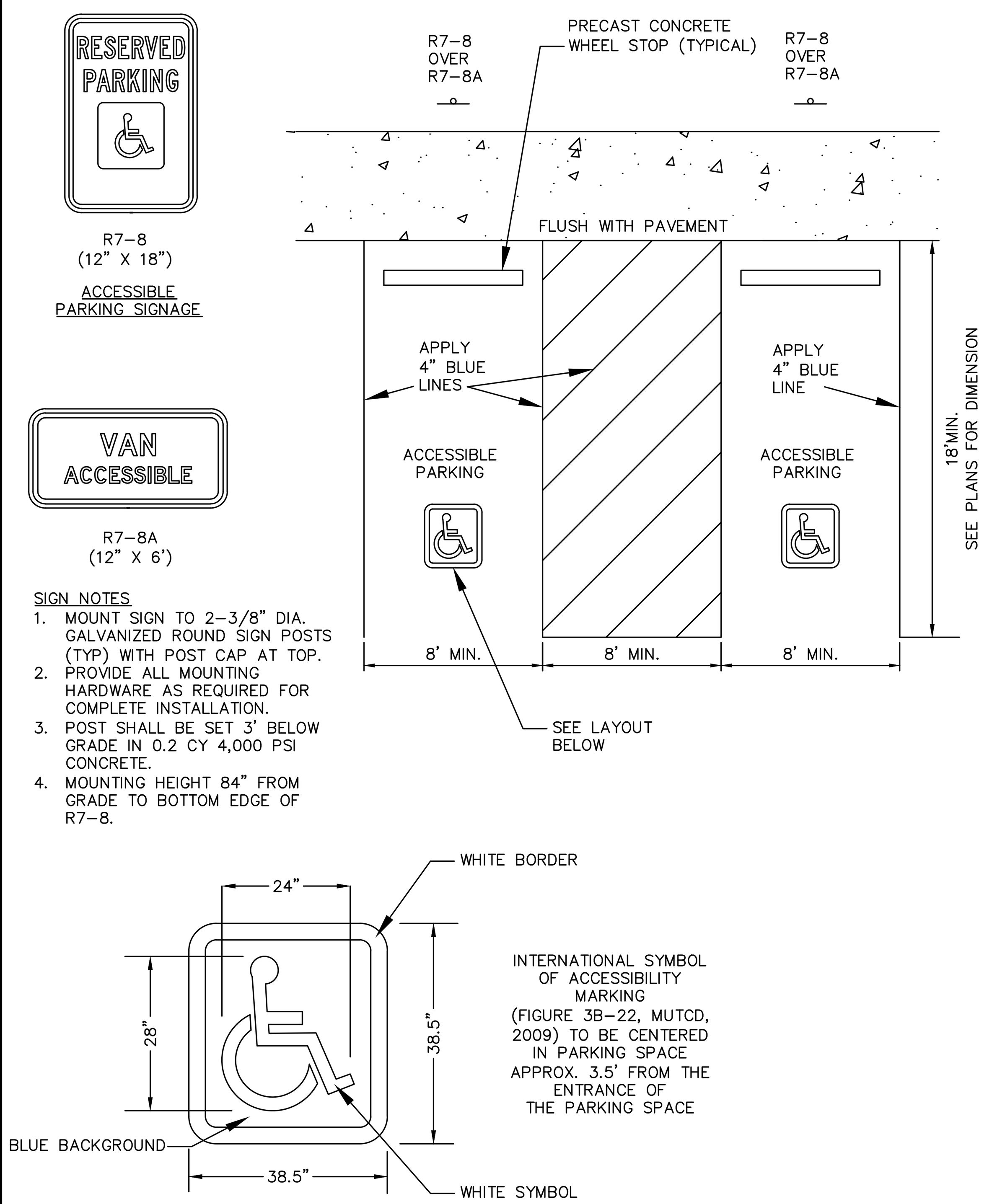
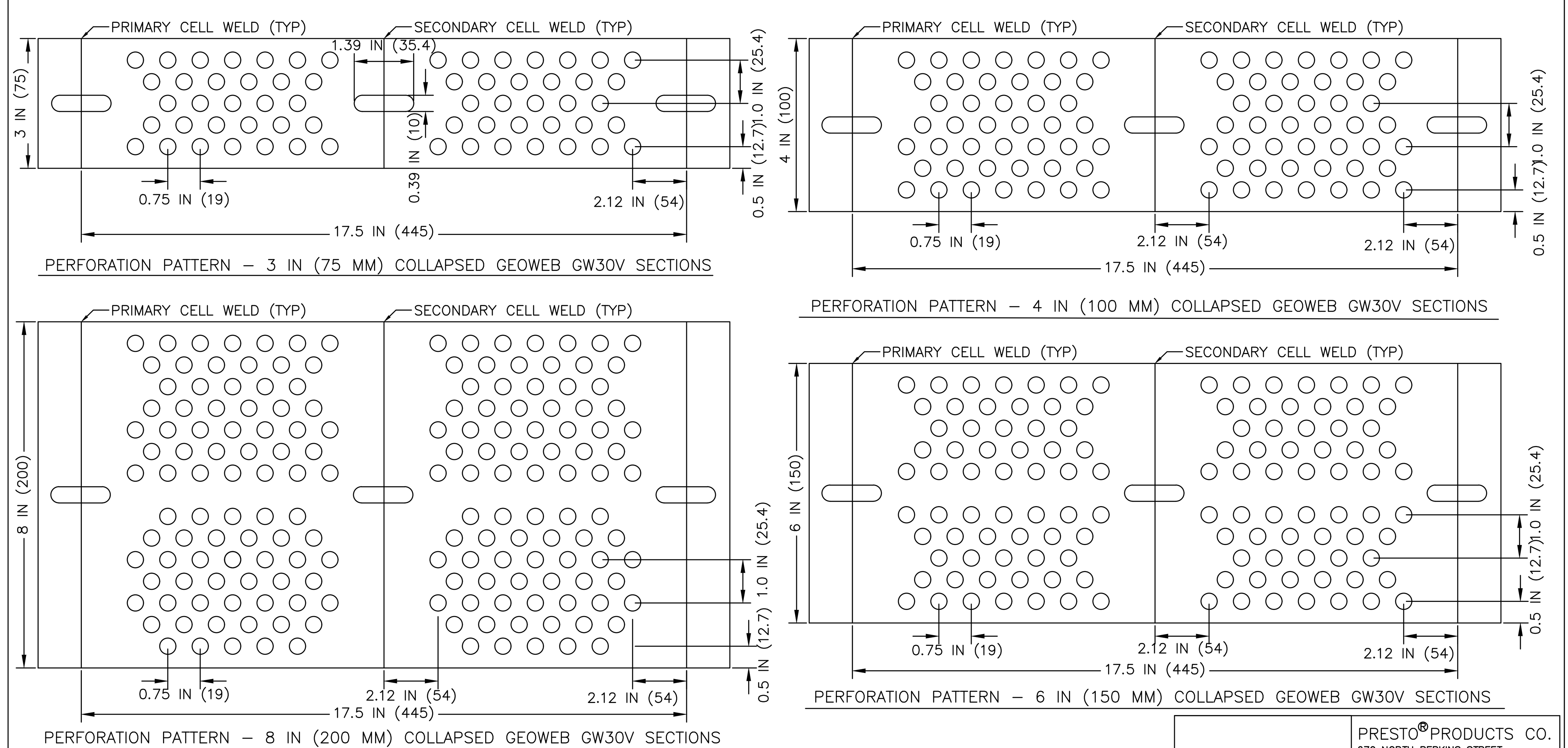


SIGN NOTES
1. MOUNT SIGN TO 2-3/8" DIA. GALVANIZED ROUND SIGN POSTS (TYP) WITH POST CAP AT TOP.
2. PROVIDE ALL MOUNTING HARDWARE AS REQUIRED FOR COMPLETE INSTALLATION.
3. POST SHALL BE SET 3' BELOW GRADE IN 0.2 CY 4,000 PSI CONCRETE.
4. MOUNTING HEIGHT 84" FROM GRADE TO BOTTOM EDGE OF R7-8.

ACCESSIBLE PARKING DETAIL



PRESTO® PRODUCTS CO.
670 NORTH PERKINS STREET
APPLETON, WI 54914
920-738-1328
WWW.PRESTOGEO.COM

NOTES:
1. CENTER I-SLOT ON PRIMARY AND SECONDARY WELDS.
2. ALL PERFORATIONS ARE 0.39" (10MM) DIAMETER.
3. GEOWEB CELL OPEN AREA = 16.8% PLUS/MINUS 1.0%.
4. DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES.
5. DIMENSIONS IN () ARE MILLIMETERS.

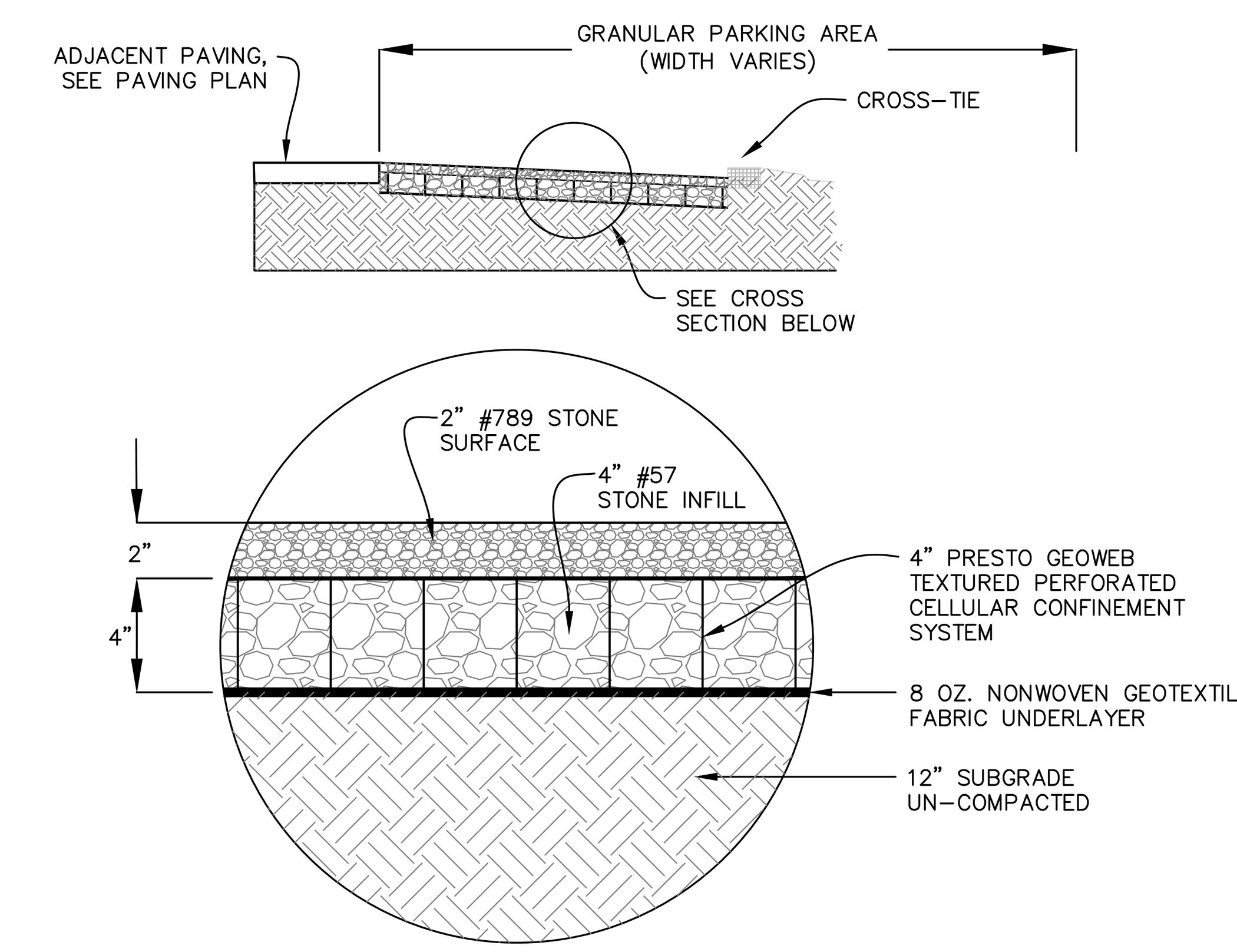
GEOWEB CELL DEPTH	# OF PERFORATIONS IN A SINGLE GW30V CELL
8 IN (200 MM)	344
6 IN (150 MM)	248
4 IN (100 MM)	176
3 IN (75 MM)	124

GENUINE GEOWEB® 30V
CELLULAR CONFINEMENT SYSTEM
PERFORATIONS

GEOSYSEMS®, GEOWEB® AND ATRA® ARE REGISTERED TRADEMARKS OF PRESTO PRODUCTS COMPANY.

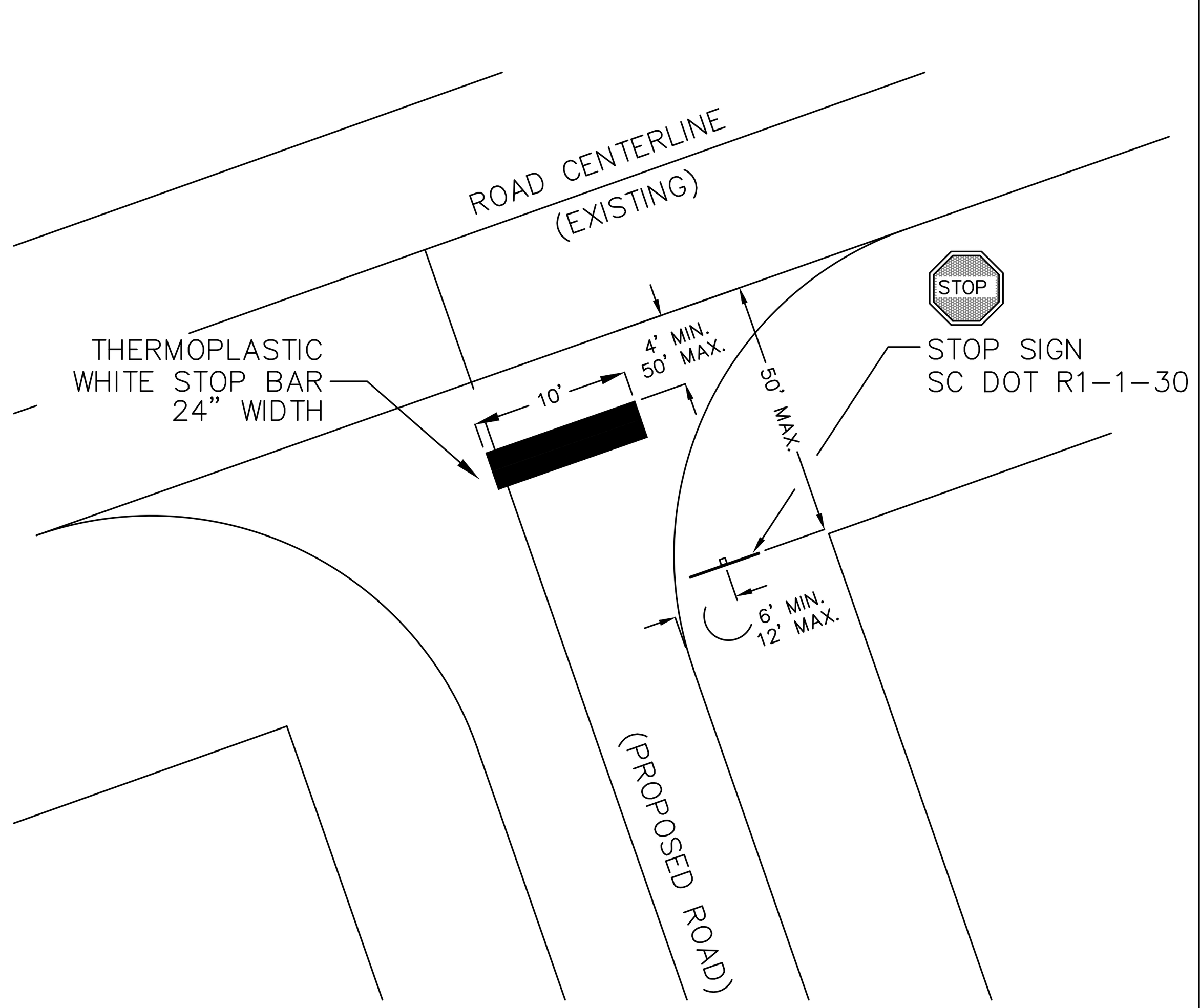
DATE	JUNE 2013	FILE NAME	GWGEN6BF.DWG
SCALE	NTS	SHEET 1	© 2011 PRESTO GEOSYSTEMS

GEOWEB NOTES:
1. EXCAVATE OR FILL THE SUBGRADE SOIL TO THE GRADES, ELEVATIONS AND DIMENSIONS SHOWN ON THE CONSTRUCTION DRAWINGS.
2. VERIFY THAT THE SUBGRADE SOIL SATISFIES THE DESIGN STRENGTH REQUIREMENTS. IF UNACCEPTABLE SOILS ARE ENCOUNTERED, THEY SHALL BE REMOVED AND REPLACED WITH ENGINEERED FILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
3. EXPAND GEOWEB SECTIONS, DIMENSIONED ACCORDING TO THE CONSTRUCTION DRAWINGS, INTO POSITION USING STRETCHER FRAMES, TEMPORARY STAKES, OR OTHER SUITABLE METHOD TO TEMPORARILY HOLD IN PLACE. INTERLEAF OR OVERLAP ADJACENT SECTION ACCORDING TO WHICH SIDE WALL PROFILES ABUT. ENSURE THAT ALL ADJOINING CELLS ARE FULLY STAPLED.
4. PLACE THE SPECIFIED INFILL MATERIAL TO APPROXIMATELY 2 INCHES ABOVE THE CELL WALLS. COMPACT THE INFILL MATERIAL TO A MINIMUM OF 95% STANDARD PROCTOR DRY DENSITY.
5. PLACE AND COMPACT ADDITIONAL SURFACE MATERIAL AS REQUIRED BY DESIGN.
6. ALL INFILL MATERIAL SHALL BE GRANITE AGGREGATE, SIZE AS SPECIFIED



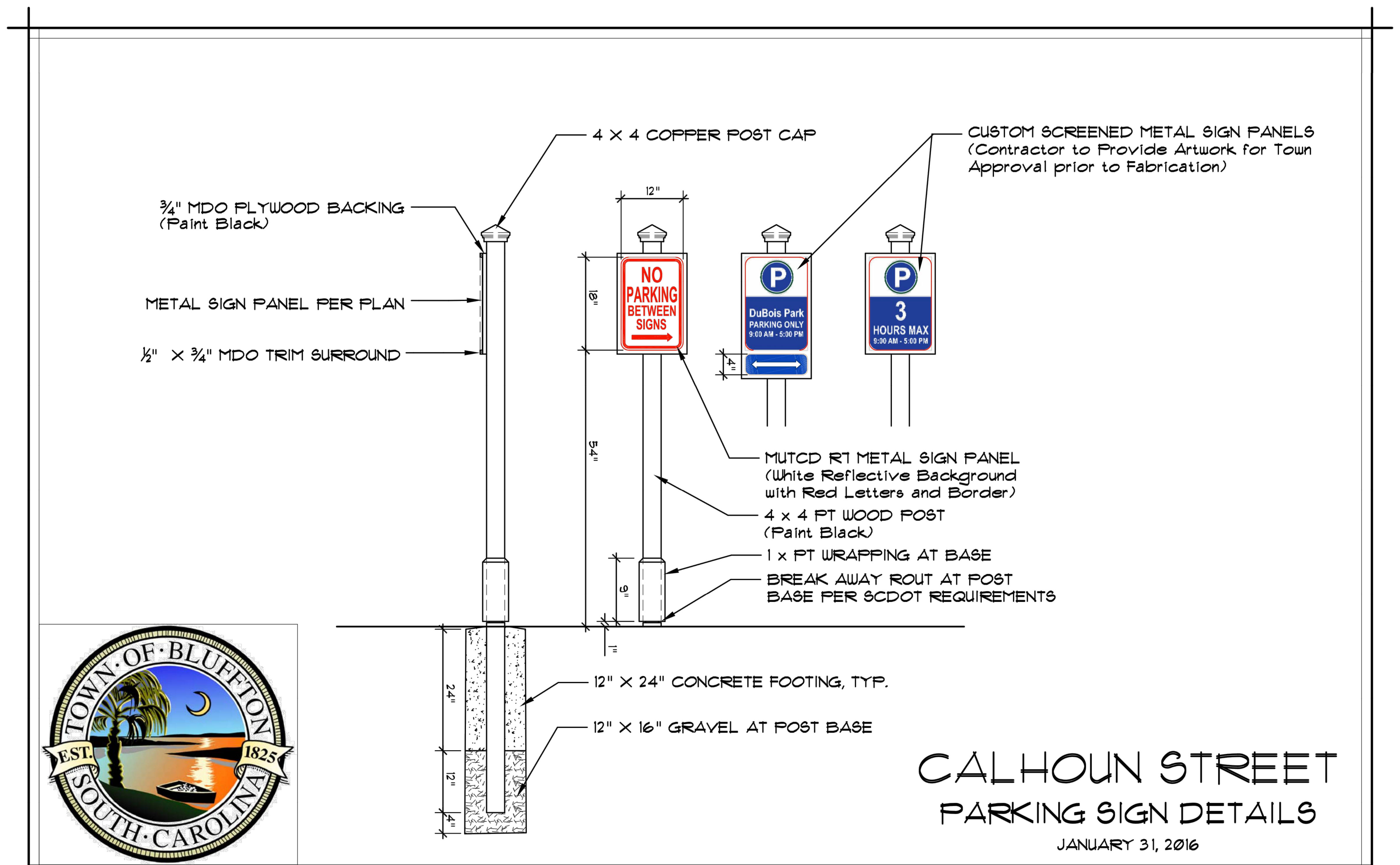
GEOWEB AGGREGATE PAVING

DETAIL #02890-002

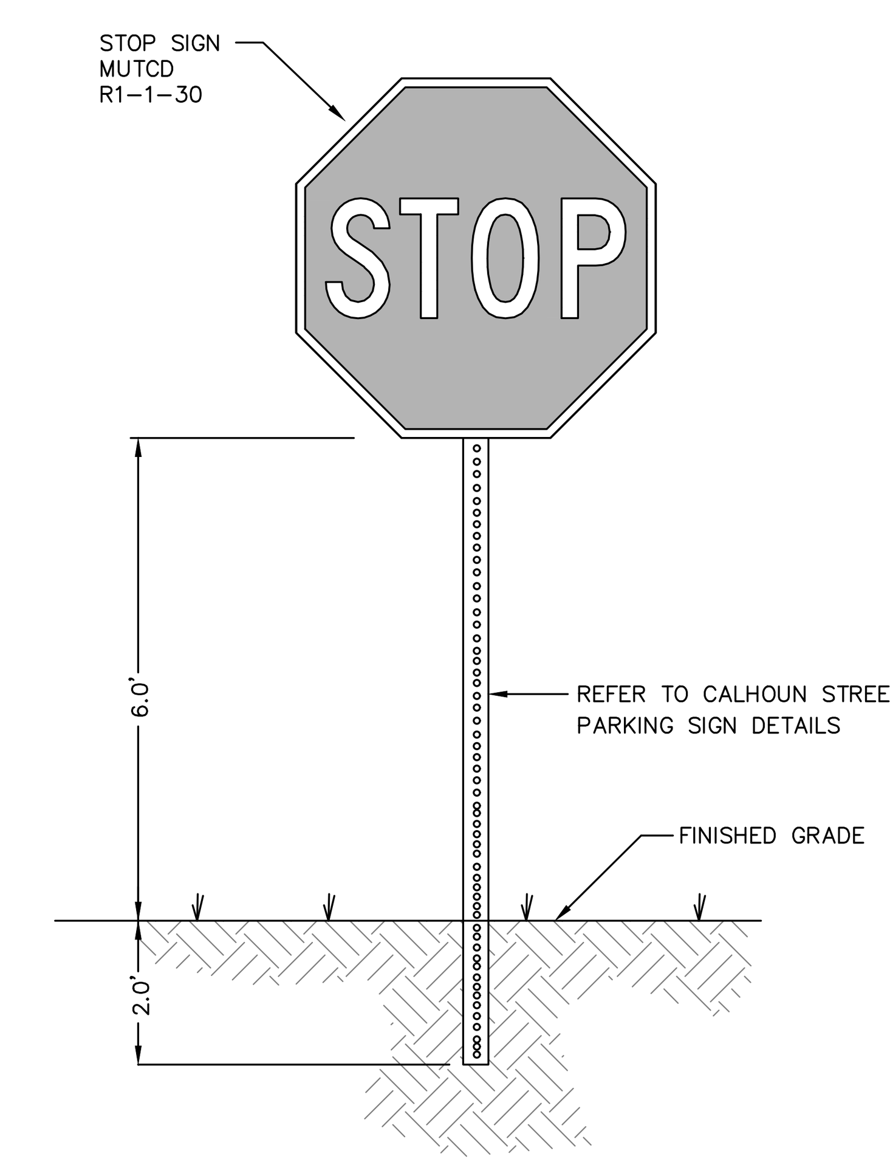


TYPICAL STOP SIGN & STOP BAR STRIPING AT INTERSECTION

DETAIL #02740-018



CALHOUN STREET
PARKING SIGN DETAILS
JANUARY 31, 2016



NOTE:
ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (LATEST EDITION) AND THE DEPARTMENT OF TRANSPORTATION STANDARDS AT THE LOCATIONS SHOWN ON THE PLANS.

STOP SIGN

DETAIL #02890-002

SOUTH CAROLINA LICENSED ENGINEER No. 25124 WILLIAM G. POWELL 12/19/18

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION WARD EDWARDS, INC. No. C00152

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PLAN REVISIONS

Ward Edwards
ENGINEERING
P.O. BOX 381, BLUFFTON, SOUTH CAROLINA 29910
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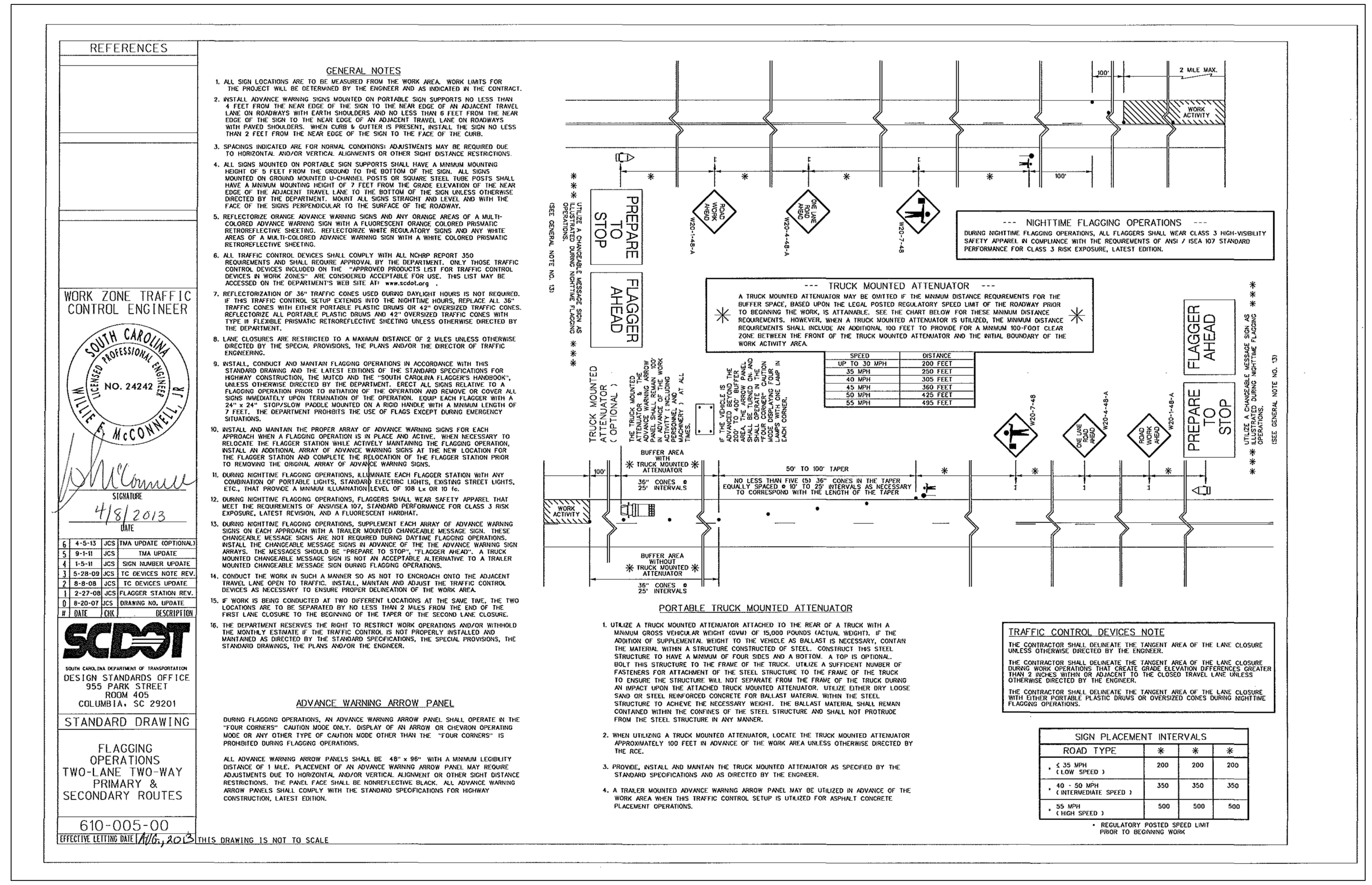
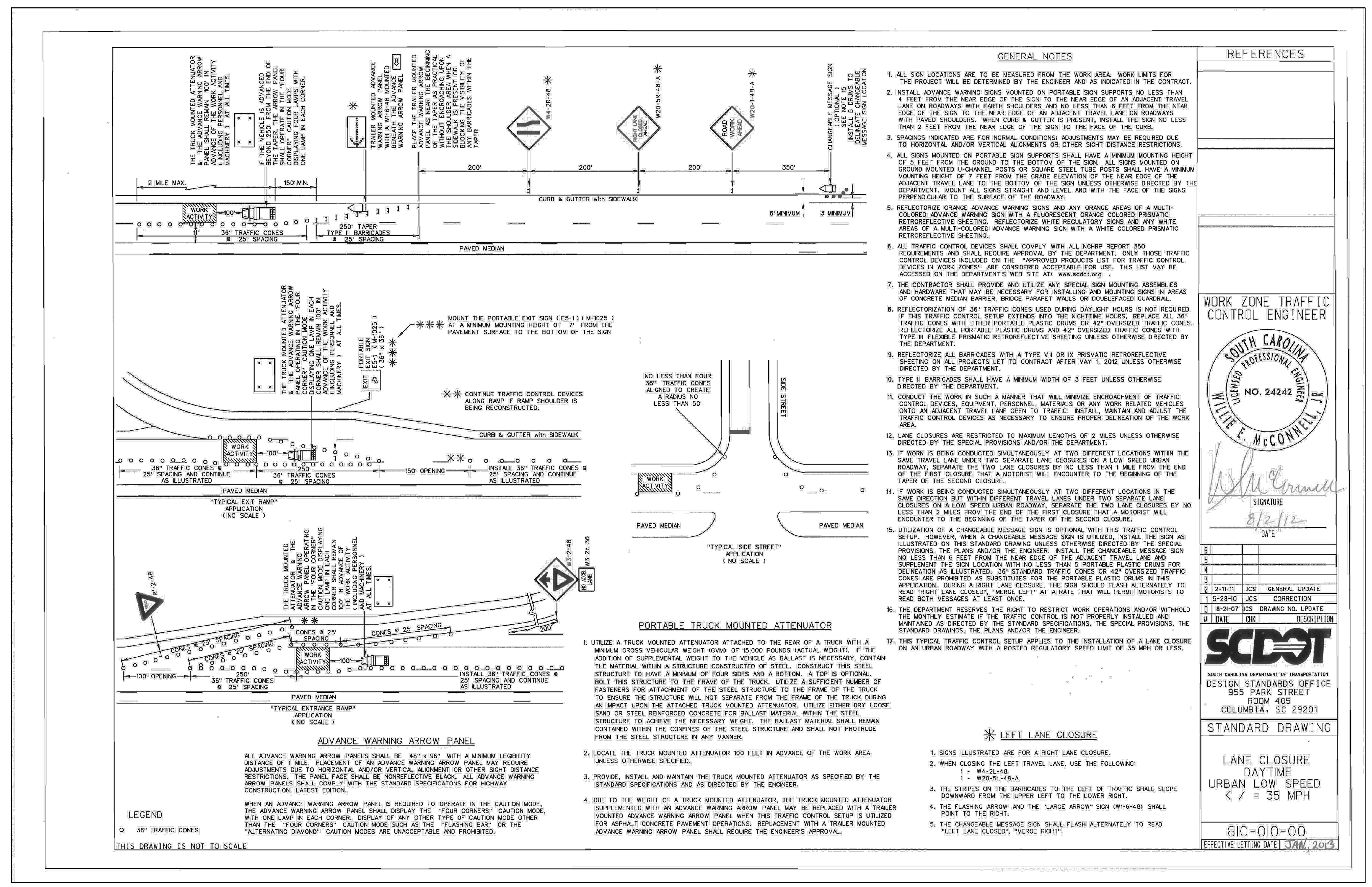
SHEET
C805





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