

P.O. Box 294 Beaufort, SC 29901

(843) 322-0553 (843) 322-0556 Fax

July 19, 2024

Mr. Dan Frazier Town of Bluffton PO Box 386 Bluffton SC 29910

> RE: Tommy's Express Carwash

> > Lot 1B Bluffton Park Preliminary DRC Response

Job No. 2524

Dear Dan:

On behalf of our client, Tommy's Express Carwash, we are responding to the Development Review Plan Comments for DP-06-24-019163 dated July 12, 2024. The responses are in the same order that the comments were presented:

BJWSA

1. Pending submittal of the project by the Engineer of Record to BJWSA's Design Review Team in accordance with the Development Policy and Procedure Manual.

The project will be submitted to BJWSA once the site plan is approved, however we have attended a Huddle Meeting with BJWSA for this project and continue to have correspondence about lateral sizes, locations and meter sizes.

Planning Review

İ. An SCDOT Encroachment Permit will be required prior to final development plan approval. The Right-In Right-Out Driveway Design does not appear to meet the SCDOT Typical Right-In Right-Out Driveway Design standard.

The Right-In Right-Out access has been redesigned as noted. The channeling island has been widened to match the throat width of the access. An SCDOT encroachment permit will be provided at Final.

2. This property is within Tract C of the Bluffton Park Master Plan. At time of final development plan submittal provide a site plan approval letter from the Bluffton Park Commercial POA.

Mr. Dan Frazier July 19, 2024 Page Two

Acknowledged. An approval letter from the Bluffton Park Commercial POA will be provided at Final. We are in currently in communications with Mr. Rogers Clifford and he has reviewed the preliminary site plan and architectural elevations.

3. All interior lighting shall be designed to prevent light source or high levels of light from being visible from adjacent properties. (UDO Section 5.12.3.A.5)

Acknowledged. All interior lighting shall be designed to prevent light source or high levels of light from being visible from adjacent properties.

4. Provide a note on the development plan set that the Lot 1A access easement and temporary construction easement are recorded in Plat Book 162 Page 88.

A note stating the above with leaders to the easement has been added to Sheet 3 of 12. A note has also been added to the General Notes on Sheet 2 of 12.

Watershed Management Review

1. Relocate CB #1 to not be directly in front of the dumpster pad.

Per our discussion at the Preliminary DRC Review, a solid baffle wall has been added to CB #1 so it will function as an oil/water separator. The baffle will extend 6" above the top of the discharge pipe and 6" below the invert of the discharge pipe. In addition, all runoff from the site will discharge to a Stormtech Infiltration system consisting of 71 Stormtech SC-740 infiltration chambers, prior to discharging to the master planned stormwater treatment system of the Bluffton Park. The infiltration system was designed to retain 100% of the 95th percentile storm. Another added benefit of the infiltration system is its Isolator Row. It consists of a series of the chambers that are completely wrapped in a permeable geotextile fabric. The Isolator Row will retain all the sediment and trash that discharges to it and it's able to be cleaned.

2. Label proposed grading contours.

The elevations have been labeled on the finished grade contours as requested.

3. Show LOD on the E&SC sheet and grading plan.

The Limits of Disturbance have been added to the plan sheets as requested.

Mr. Dan Frazier July 19, 2024 Page Three

4. At the time of stormwater submittal, provide an exhibit showing on-site treatment of the 10-yr storm that ensures prevention of environmental impacts, to include those caused by drainage and sedimentation, on adjacent properties. Additionally, this exhibit shall provide the locations of all life safety structures (hydrants, emergency access, street signs (can be temporary), etc.). This exhibit is to be included in the OS-SWPPP book for review at the time of the pre-construction meeting. Site features and improvements identified in this exhibit are to be installed prior to the issuance of a building permit. Town staff will conduct an inspection of the site prior to building permit issuance to ensure such features and improvements have been installed.

The requested information will be provided at the time of Stormwater Submittal as noted.

In support of our Preliminary DRC Resubmittal for the referenced project, please find enclosed the following:

- 1. Revised Preliminary Site Development Plans
- 2. A letter from our client discussing the stacking of vehicles on site, wash times and how there should not be any stacking of vehicles onto Simmonsville Road at the Right In/Right Out access.

We are requesting preliminary approval of this project and for it to be placed on the next Planning Commission agenda. Please let me know if you have any questions.

Sincerely

David R. Karlyk, PE

Carolina Engineering Consultants, Inc.



Tommy's Express Car Wash – Bluffton SC 4355 Bluffton Parkway and Simmonsville Road

Tommy's Express Car Wash anticipates the busiest hours volume at 25-30 cars. We will have enough stacking in two lanes for 14-17 vehicles and can have 4 - 5 cars on the belt going through the wash at the same time. The approximate wash time for a vehicle to go through the wash is 2 minutes after the gate is raised. Tommy's Express Car Wash uses a License Plate Reader (LPR) system to recognize our members for faster processing. Our hours of operation will be 7:30 am – 8:00 pm Monday- Saturday and 8:00 am – 7:00 pm Sunday.

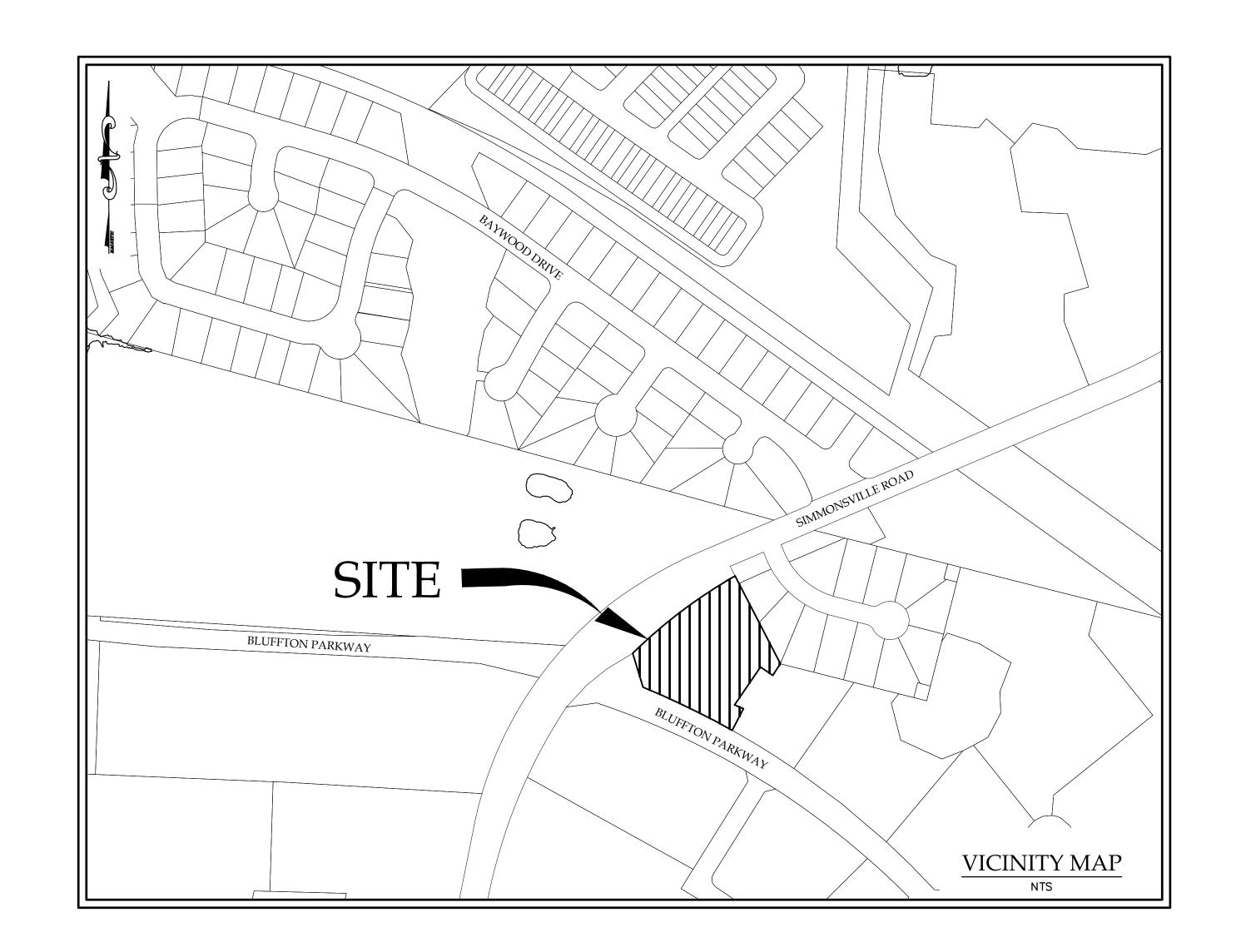
We do not anticipate any issues with vehicles backing up onto Simmonsville with the amount of stacking room we will have.

Sincerely,

Jeff Buseick, Sr. TEW of NC, LLC

Hanel En.

SITE DEVELOPMENT PLANS TOMMY'S EXPRESS CARWASH BLUFFTON, SC COMMERCIAL





TAX MAP# R610-031-000-1691-0000 87 SIMMONSVILLE ROAD BLUFFTON, SC LATITUDE 32° 15' 44" LONGITUDE 80° 52' 12" DATUM: NAD 83 NAVD 88



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 THE 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 SEG. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

PREPARED BY:

CAROLINA ENGINEERING CONSULTANTS, INC.

PO BOX 294 BEAUFORT, SC 29901 WWW.CAROLINAENGINEERING.COM 800 CONGRESS ST BEAUFORT, SC 29902 PHONE (843)322-0553



APPROXIMATE LOCATION OF SITE

DEVELOPER:	TIL HOLDINGS OF TEXAS, LLC							
ADDRESS:	1225 MERCEDEZ BENZ DIVE							
ADDRESS:	,							
CONTACT:	TODD BURNS, 704-506-7511							
	CCLIEDITI E OE DDAMINICO							
	SCHEDULE OF DRAWINGS							
SHEET NO.	DESCRIPTION							
1 of 12	TITLE SHEET							
2 of 12	GENERAL NOTES & LEGEND SHEET							
3 of 12	EXISTING CONDITIONS/DEMOLITION SHEET							
4 of 12	TREE PROTECTION & REMOVAL AND SEDIMENT & EROSION CONTROL PLAN							
5 of 12	SEDIMENT & EROSION CONTROL DETAILS							
6 of 12	PAVING & GRADING PLAN							
7 of 12	DRAINAGE PLAN							
8 of 12	PAVING, GRADING, & DRAINAGE DETAILS							
9 of 12	PAVING, GRADING, & DRAINAGE DETAILS							
10 of 12	STORM TECH DETAILS							
11 of 12	WATER & SANITARY SEWER PLAN							
12 of 12	WATER & SANITARY SEWER DETAILS							
1 of 1	LIMITS OF DISTURBANCE							
1 of 1	ENCROACHMENT PLAN							
DATE: 04/23/24	REVISED: 07/22/24 PROJECT: 2524							

SEDIMENT & EROSION CONTROL NOTES:

IFNECESSARY, 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.

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

- WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE -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.

ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE CALENDAR EVERY WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY. OR INCORRECTLY. THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.

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.

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.

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.

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.

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.

ALL WATERS OF THE STATE (WoS), INCLUDING WETLANDS, ARE TO BE flagged or otherwise clearly marked in the field. Adouble 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.

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.

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.

INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H: 1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILÝ CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.

MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.

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;

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.).

THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED: - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL:

-WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FROM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS:

-FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND -SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.

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.

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.

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.

GENERAL SCDOT NOTES:

WHERE NEW CONSTRUCTION IS NEAR THE EDGE OF AN EXISTING PAVED ROADWAY, A TRAFFIC LANE WILL BE TEMPORARILY CLOSED TO PROVIDE SAFETY TO THE PUBLIC AND TO THE WORKMEN. NO LANE CLOSURES DURING 7:00 AM TO 9:00 AM OR FROM 3:30 PM TO 6:00 PM ARE ALLOWED.

APPLICANT WILL REPAIR ALL DAMAGE DONE TO ROADSIDE AND RESEED WITH PERMANENT GRASS.

TRAFFIC CONTROLS FOR THIS INSTALLATION SHALL BE IN ACCORDANCE WITH S.C.M.U.T.C.D.

PAVEMENT MARKING LINES TO BE THERMOPLASTIC.

RAISED REFLECTIVE PAVEMENT MARKER RRPM'S TO BE INSTALLED IN ACCORDANCE WITH SCDOT'S STANDARD DRAWINGS NO. 603-1 THRU 603-8 JULY, 1997.

ALL PROPOSED SIGNAGE AND PAVEMENT MARKINGS SHOULD BE IN ACCORDANCE WITH THE 2009 EDITION OF THE MUTCD.

GENERAL:

PAVING, GRADING, & DRAINAGE NOTES:

CAROLINA ENGINEERING CONSULTANTS, INC.'S WRITTEN CONSTRUCTION SPECIFICATIONS WILL BE FOLLOWED ON THIS JOB. IF CONTRACTOR NEEDS COPY OF THESE SPECIFICATIONS. PLEASE CONTACT CAROLINA

TOPOGRAPHY, BOUNDARY, WETLAND AND BASE INFORMATION PROVIDED BY T SQUARE SURVEYING.

BENCHMARKS ARE TO BE VERIFIED BY CONTRACTOR.

CONTRACTOR SHALL VERIFY ALL MANHOLE AND INVERT ELEVATIONS BEFORE STARTING WORK.

CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES.

SILT FENCE AND TREE FENCES TO BE IN PLACE PRIOR TO COMMENCING WORK.

MAINTAIN A 10' HORIZONTAL SEPARATION BETWEEN SANITARY SEWER AND WATER MAINS. WHERE THIS SEPARATION CANNOT BE MAINTAINED OR THE LINES CROSS, THE BOTTOM OF THE WATER MAIN SHALL BE 18" ABOVE THE TOP OF THE SEWER MAIN LAID IN SEPARATE TRENCHES.

WHERE NEW CONSTRUCTION IS NEAR THE EDGE OF AN EXISTING PAVED ROADWAY, A TRAFFIC LANE WILL BE TEMPORARILY CLOSED TO PROVIDE SAFETY TO THE PUBLIC AND TO THE WORKMEN. NO LANE CLOSURES DURING 7:00 AM TO 9:00 AM OR FROM 3:30 PM TO 6:00 PM ARE ALLOWED.

APPLICANT WILL REPAIR ALL DAMAGE DONE TO ROADSIDE AND RESEED WITH PERMANENT GRASS.

TRAFFIC CONTROLS FOR THIS INSTALLATION SHALL BE IN ACCORDANCE WITH S.C.M.U.T.C.D.

PAVEMENT MARKING LINES TO BE THERMOPLASTIC.

RAISED REFLECTIVE PAVEMENT MARKER RRPM'S TO BE INSTALLED IN ACCORDANCE WITH SCDOT'S STANDARD DRAWINGS NO. 603-1 THRU 603-8 JULY, 1997.

ALL PROPOSED SIGNAGE AND PAVEMENT MARKINGS SHOULD BE IN ACCORDANCE WITH THE 2009 EDITION OF THE MUTCD.

ACCESS & TEMPORARY CONSTRUCTION EASEMENT RECORDED IN PLAT BOOK 162 PAGE 88.

GENERAL:

WATER, & SANITARY SEWER NOTES:

BJWSA CONSTRUCTION SPECIFICATIONS WILL BE FOLLOWED ON THIS JOB. IF CONTRACTOR NEEDS COPY OF THESE SPECIFICATIONS, PLEASE CONTACT CAROLINA ENGINEERING.

BENCHMARKS ARE TO BE VERIFIED BY CONTRACTOR.

MAINTAIN A 10' HORIZONTAL SEPARATION BETWEEN SANITARY SEWER AND WATER MAINS.

WHERE THIS SEPARATION CANNOT BE MAINTAINED OR THE LINES CROSS THE BOTTOM OF THE WATER MAIN, THERE SHALL BE 18" ABOVE THE TOP OF THE SEWER MAIN LAID IN SEPARATE TRENCHES.

4"Ø SEWER LATERALS SHALL BE LAID WITH A MINIMUM SLOPE OF 2.08%

6"Ø SEWER LATERALS SHALL BE LAID WITH A MINIMUM SLOPE OF

METER(S) TO BE PURCHASED FROM, SIZED & INSTALLED BY BJWSA

MAINTAIN A 5' HORIZONTAL SEPARATION BETWEEN SANITARY SEWER LINES AND STORM DRAINAGE LINES.

SURVEYOR:

TOPOGRAPHY, BOUNDARY, WETLAND AND BASE INFORMATION PROVIDED BY T SQUARE SURVEYING. P.O. DRAWER 330 139 BURNT CHURCH ROAD BLUFFTON, SC 29910 (843)-757-2650 PLS#26960

ELECTRICITY PROVIDER:

DOMINION ENERGY PARKS MOSS 843-540-1315 HENRY.MOSS@DOMINIONENERGY.COM

SYMBOL LEGEND:

 \bowtie

CURB INLET

DRAINAGE ARROW

AIR RELEASE VALVE

BENCHMARK

CATCH BASIN

CLEAN OUT

DUAL SWEEP CLEANOUT

EXISTING MANHOLE

EXISTING WATER METER

EXISTING FIRE HYDRANT

EXISTING WATER VALVE

GUY WIRE

JUNCTION BOX

LIGHT POLE

MAILBOX

MATCHLINE TARGET

PIPELINE MARKER

OUTFALL CONTROLL STRUCTURE

PIPELINE VENT

POST INDICATOR VALVE

POWER POLE

PROPOSED FIRE HYDRANT

PROPOSED MANHOLE

PROPOSED RPZ BACKFLOW PREVENTER

PROPOSED WATER METER

PROPOSED WATER VALVE

REDUCER

SEWER LATERAL

SEWER VALVE SEWER VALVE MARKER

TRAFFIC RATED CLEAN OUT

TRANSFORMER

UTILITY POLE

WATER LATERAL

WATER MARKER WATER VALVE MARKER

YARD INLET

TELECOMMUNICATIONS:

RODNEY CANNON 843-815-1697 RODNEY.CANNON@HTC.HARGRAY.COM

WATER & SANITARY SEWER:

MATTHEW MICHAELS

843-987-9200 MATTHEW.MICHAELS@BJWSA.ORG

TREE LEGEND

REMAIN REMOVE

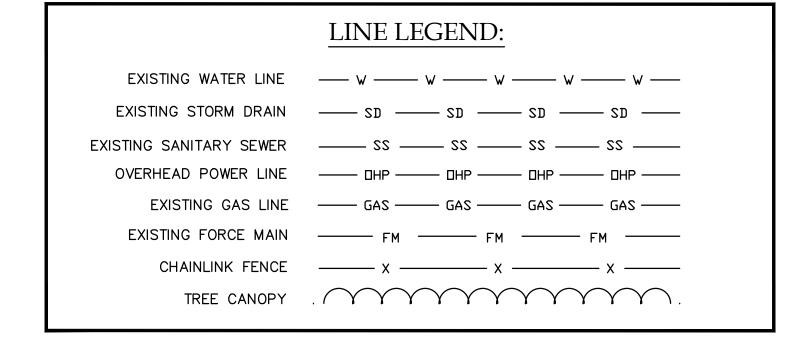
TREE IDENTIFICATION ABBREVIATION DESCRIPTION CH CHERRY CR CREPE MYRTLE DW DOGWOOD HOL HOLLY LAUREL OAK LIVE OAK MAG **MAGNOLIA** MP MAPLE PECAN PLMPALM PN PINE R0 RED OAK UNK UNKNOWN WHITE OAK WILLOW TREE WO WATER OAK

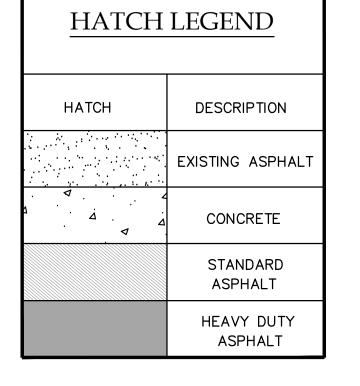
TREE PROTECTION & **REMOVAL NOTES:**

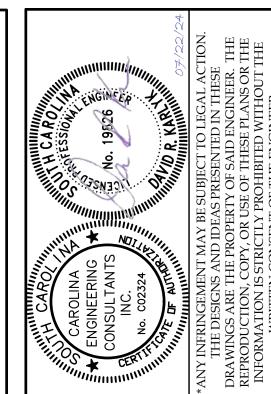
INSTALL ALL TREE PROTECTION FENCE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

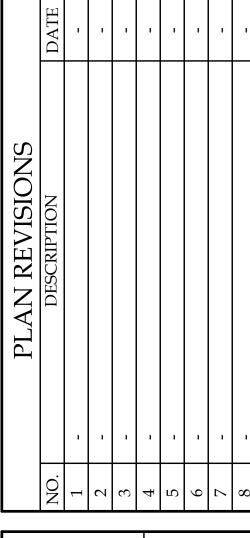
	AE
	ABBREVIATI
	МН
	FM
	CI
_	Gl
]	ΥI
]	LF
	FOPT
]	IRR
]	CL
]	EOP
]	вос
_	R/W
_	GP
]	TC
]	TP
	TS
	FG

<u>ABBREVIATIONS</u>							
ABBREVIATION	DESCRIPTION						
МН	MANHOLE						
FM	FORCEMAIN						
CI	CURB INLET						
GI	GRATE INLET						
YI	YARD INLET						
LF	LINEAR FEET						
FOPT	FIBER OPTIC						
IRR	IRRIGATION						
CL	CENTER LINE						
EOP	EDGE OF PAVEMENT						
вос	BACK OF CURB						
R/W	RIGHT OF WAY						
GP	GUTTER PAN						
TC	TOP OF CURB						
TP	TOP OF PAVEMENT						
TS	TOP OF SIDEWALK						
FG	FINISH GRADE						
FFE	FINISHED FLOOR ELEVATION						









NS/ BL

GINEERIN

EZ ROLIN

2524 04/23/24 07/22/24 DRAWN BY: BIS ENGINEER: DRK H-DATUM: NAD 83 V-DATUM: NAVD 88 NTS

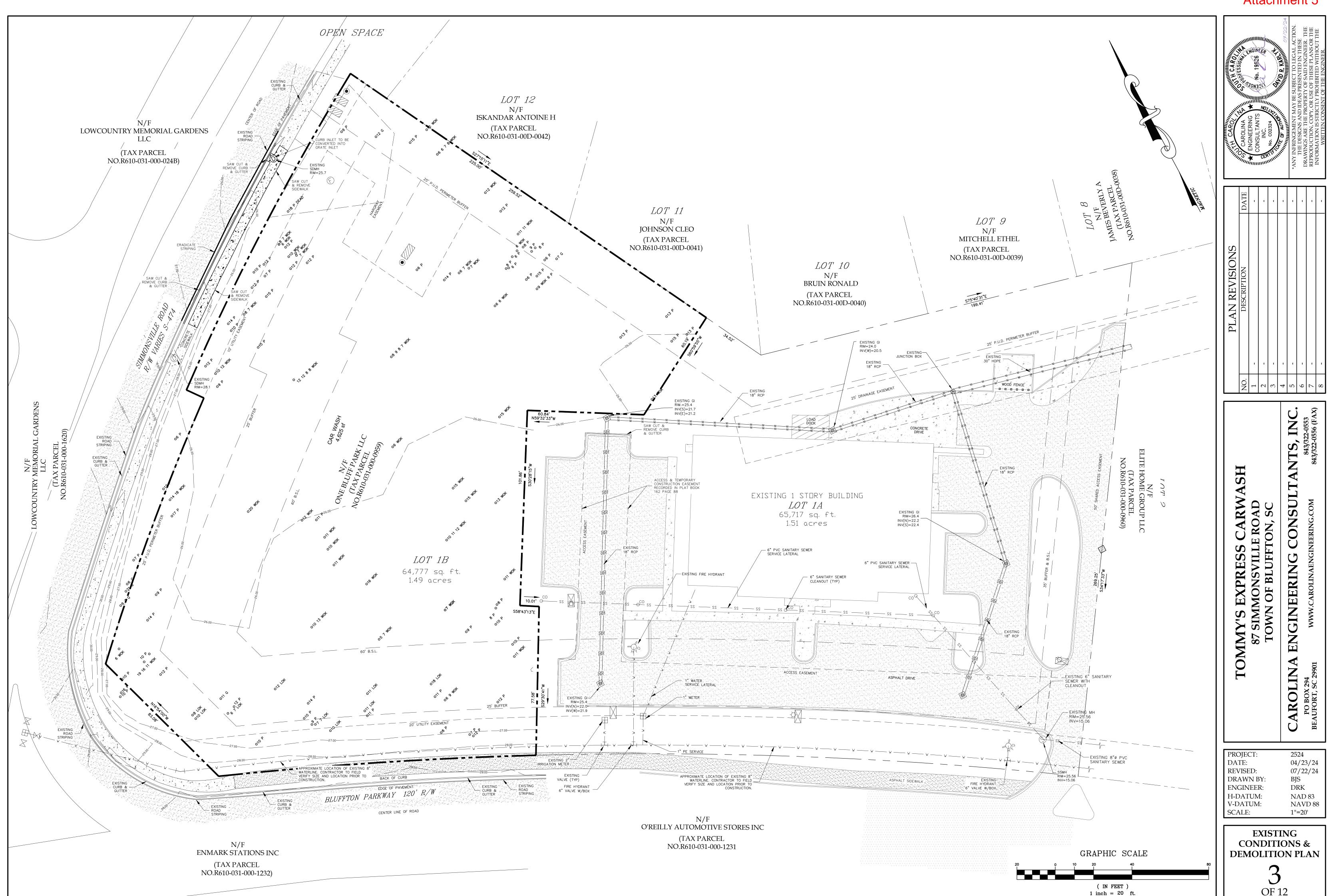
PROJECT:

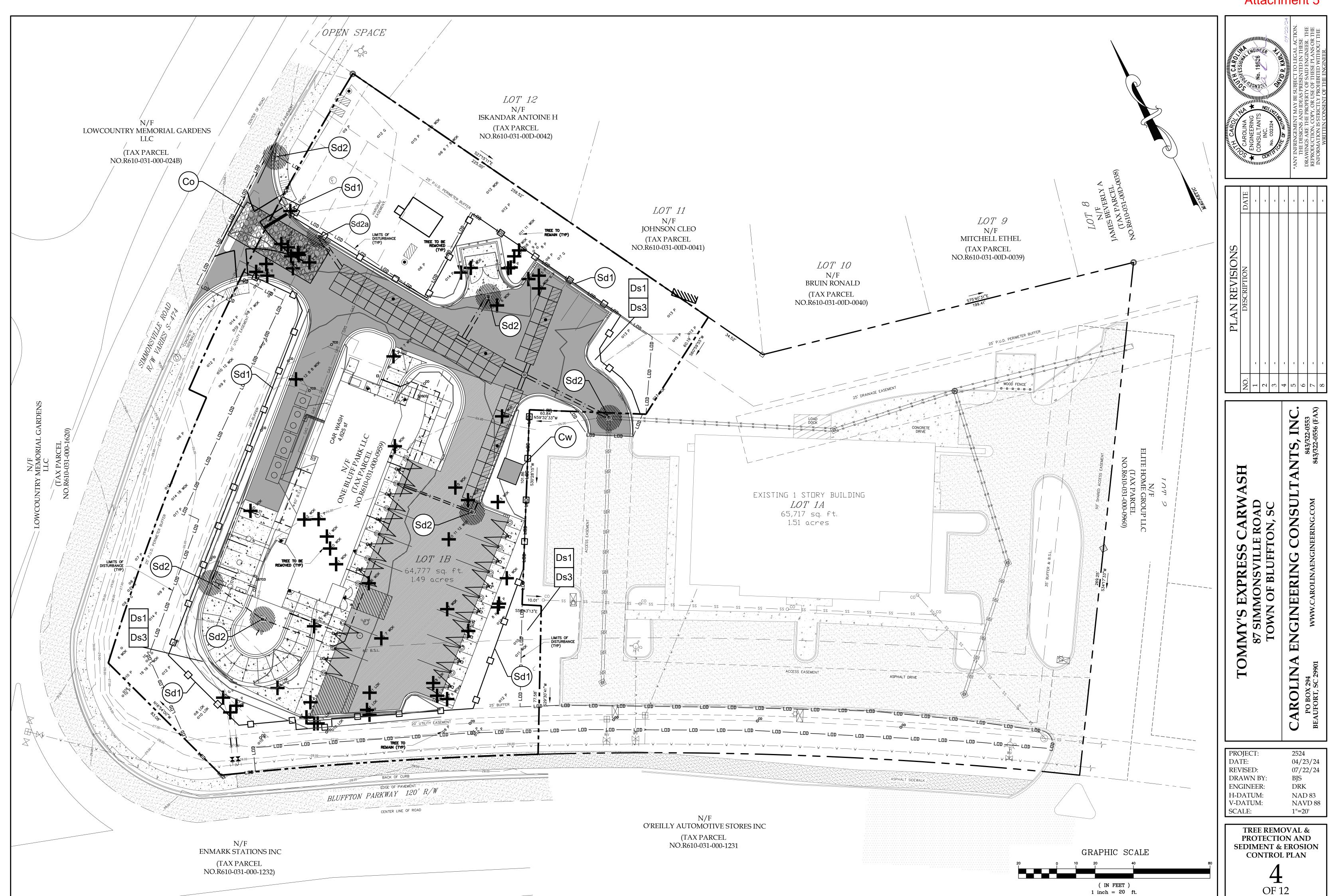
REVISED:

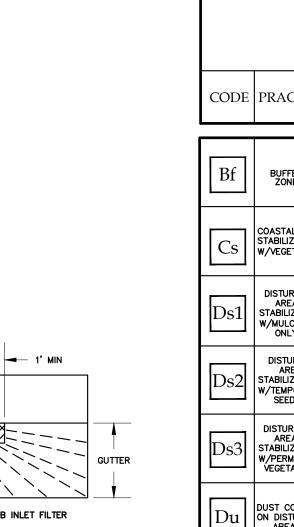
SCALE:

DATE:

GENERAL NOTES & LEGEND







VEGETATIVE MEASURES MAP CODE PRACTICE DETAIL DESCRIPTION SYMBOL An undisturbed natural"green belt"sepa-rating the land-disturbed site from sur-rounding property and bordering streams It serves to reduce water velocity and BUFFER ZONE remove some sediment. It is also at times a noise or "vision pollution barrier Planting vegetation on dunes that are denuded, artificially constructed, or renourished. Establishing temporary protection for disturbed areas where seeding may not have a suitable growing season to produce an erosion retarding cover. See Carolina Engineering Consultants, In Written Technical Specifications Section 02485 for further details. Ds1 stabilization w/mulching Establishing temporary vegetative cover with fast growing seedings on disturbed areas. See Carolina Engineering Consultants, Inc. Written Technical Specifications Section 02485 for futher Ds2 DISTURBED AREA STABILIZATION W/TEMPORARY Establishing permanent vegetative cove DISTURBED such as trees, shrubs, vines, grasses, sod, or legumes on disturbed areas. See Carolina Engineering Consultants, Inwritten Technical Specifications Section 02485 for further details. AREA STABILIZATION W/PERMANENT VEGETATION Du DUST CONTROL ON DISTURBED AREAS Controlling surface and air movement of dust on construction sites,roadways and similar sites.

Ds1	MULCHING NOTES
MULCHII	IG:

USE MULCH ON ALL SLOPES STEEPER THAN 3%; WHEN SEEDINGS ARE MADE SO LATE IN THE FALL AND WINTER THAT GERMINATION CANNOT BE EXPECTED UNTIL SPRING; IN THE BOTTOM OF SPILLWAYS; AND ON ROADBANKS. TEMPORARY VEGETATION SEEDED ALONE MAY BE ESTABLISHED ON GOOD SITES WITHOUT THE USE OF MULCH.

A. USE DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS. DRY STRAW WILL BE APPLIED AT THE RATE OF 2.5 TONS PER ACRE; OR, B. FOR HYDRAULIC SEEDING, USE WOOD CELLULOSE MULCH OR WOOD PULP FIBER AT THE RATE OF 500 POUNDS PER ACRE AND DRY STRAW OR DRY HAY AT THE RATE LISTED IN "A" ABOVE; OR, FOR HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER, 1,000 POUNDS OF WOOD CELLULOSE OR WOOD

PULP FIBER WHICH INCLUDES A TACKIFIER MAY BE SUBSTITUTED FOR THE TREATMENT IN "B" ABOVE; OR,). USE THREE TONS PER ACRE OF SERICEA LESPEDEZA HAY CONTAINING MATURE SEED; OR, E. APPLY PINE STRAW OR PINE BARK AT A THICKNESS OF 3 INCHES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED; (SOIL RETENTION BLANKETS, EROSION CONTROL NETTING, OTHER MANUFACTURED MATERIALS, OR BLOC

MAY BE REQUIRED IN ADDITION TO MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS. WOO CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. WILL HAVE THE PROPERTY TO BE EVENLY DISPERSED WHEN AGITATED IN WATER. THE FIBERS SHALL HA CONTRASTING COLOR TO THE SOIL TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING SECURIC APPLYING MULCH:

A. STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND OR PLANT THE MULCH MAY BE SPREAD BY BLOWER TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT, OF HAND. ABOUT 75% OF THE SOIL SURFACE WILL BE COVERED. B. WOOD CELLULOSE OR WOOD FIBER MULCH WILL BE APPLIED WITH HYDRAULIC SEEDING EQUIPMENT.

A. ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE FOLLOWING METHOL . BY EMULSIFIED ASPHALT, (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BL 1. BY EMULSIFIED ASPHALI, (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BLO MACHINE, OR (B) SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION WHEN STRAW OF IS SPREAD BY METHODS OTHER THAN SPECIAL BLOWER EQUIPMENT. THE COMBINATION OF ASPHALT EMUL: AND WATER SHALL CONSIST OF A HOMOGENEOUS MIXTURE SATISFACTORY FOR SPRAYING. THE MIXTURE SI CONSIST OF 100 GALLONS OF GRADE SS-1H OR CSS-1H EMULSIFIED ASPHALT AND 100 GALLONS OF WAPER TON OF MULCH. CARE SHALL BE TAKEN AT ALL TIMES TO PROTECT THE PUBLIC, ADJACENT PROPER PAVEMENTS, CURBS, SIDEWALKS, AND ALL OTHER STRUCTURES FROM ASPHALT DISCOLORATION. 2. PRESS THE MULCH INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS SPREAD. A SPECIAL "PACKER OR DISK HARROW WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR SERRAND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DI SHALL BE DULL ENOUGH TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH AN ERECT POSITION.

3. APPLY SYNTHETIC TACKIFIERS OR BINDERS APPLIED IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTI TACKIFIERS WILL BE MIXED AND APPLIED TO MANUFACTURER'S SPECIFICATIONS. 4. FALL AND WINTER PLANTINGS MAY INCLUDE 1/2 BUSHEL OF RYE OR WHEAT TO STABILIZE THE MULCH

5. PLASTIC MESH OR NETTING WITH NO LARGER THAN ONE INCH BY ONE INCH MESH MAY BE NEEDED T ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS. B. WHERE WOOD CELLULOSE OR WOOD PULP FIBER MULCH IS APPLIED ALONE, A TACKIFIER WILL BE USED

LIME AND MAINTENANCE APPLICATION:

APPLY ONE TON OF AGRICULTURAL LIME EVERY 4 TO 6 YEARS.

SDECIES	LBC/AC	LIANI	cce l	MAR	ADD	MAY	11 181		AUG	CED	OCT	l NOV	T.
SPECIES	LBS/AC RY SEEDING	-							AUG			INOV	L
		(COA:	STAL)	WELL	. DKA	INED,	CLA	E1/L	UAME 1	SILE	.5	_	Т
BROWNTOP MILLET	40LBS/AC												
RYE, GRAN	56LBS/AC												l
RYEGRASS	50LBS/AC												I
TEMPORA	ARY SEEDING	(COA	STAL)	WEL	L DRA	INED,	CLA	YEY/L	OAMY	SITE	S		
BROWNTOP MILLET OR JAPANESE MILLET	40LBS/AC												Ī
RYE, GRAN OR OATS	56LBS/AC 75LBS/AC			_									İ
RYEGRASS	50LBS/AC				_								l
ſ	PERMANENT :	SEEDIN	IG (C	DSTAL	.) SAI	NDY,	DOUG	HTY S	SITES				_
BROWNTOP MILLET	10LBS/AC												T
BAHIAGRASS	40LBS/AC												l
BROWNTOP MILLET	10LBS/AC												t
BAHIAGRASS SERICEA LESPEDEZA	30LBS/AC												l
SERICEA LESPEDEZA BROWNTOP MILLET	40LBS/AC 10LBS/AC	\vdash											t
ATLANTIC COASTAL PANICGRASS	15LBS/AC PLS						_						l
BROWNTOP MILLET	10LBS/AC												t
SWITCHGRASS	8LBS/AC PLS												l
(ALAMO) LITTLE BLUESTEM SERICEA	4LBS/AC			-									I
LESPEDEZA	20LBS/AC												l
BROWNTOP MILLET WEEPING LOVEGRASS	10LBS/AC 8LBS/AC			_			_						
PERMANE	NT SEEDING	(COA	STAL)	WELL	. DRA	INED,	CLAY	EY/L	OAME	/ SITE	:: :S		1
BROWNTOP MILLET	10LBS/AC												T
BAHIAGRASS	40LBS/AC												l
RYE, GRAIN	401.00 (4.0												t
BAHIAGRASS	10LBS/AC 40LBS/AC											L	
CLOVER, CRIMSON (ANNUAL)	5LBS/AC											Γ	
BROWNTOP MILLET	10LBS/AC	H										\vdash	t
BAHIAGRASS	10LBS/AC												١
SERICEA LESPEDEZA BROWNTOP MILLET	40LBS/AC 10LBS/AC	$\vdash \vdash$										├	+
BERMUDA, COMMON	12LBS/AC												١
KOBE LESPEDEZA	10LBS/AC												l
(ANNUAL) BROWNTOP MILLET	10LBS/AC	$\vdash\vdash$										\vdash	ł
BAHIAGRASS	20LBS/AC												١
BERMUDA, COMMON	6LBS/AC												I
SERICEA LESPEDEZA BROWNTOP MILLET	40LBS/AC 10LBS/AC	\vdash				-	 	\vdash	\vdash		-	\vdash	+
SWITCHGRASS	8LBS/AC												١
LITTLE BLUESTEM	PLS												
INDIANGRASS	3LBS/AC PLS												١
	3LBS/AC												l
	PLS	ıl					I					1	١

ACTIVITY SCHEDUL

THROUGHOUT LIFE OF PROJECT

ACTIVITY

EROSION CONTROL IMPLEMENTATION ALL INITIAL PHASE ITEMS

MINIMAL CLEARING AND GRUBBING

RASSING (LIMIT EXPOSURE TO 7 DAYS)

CLEARING AND GRUBBING

JTILITY INSTALLATION

NSTALL INLET PROTECTION

NSTALL CONCRETE WASHOUT

REMOVE SEDIMENT FROM PIPES

REMOVE SILT FENCE & INLET PROTECTION

SUBMIT NOT AND AS BUILTS TO SCDHEC UPON COMPLETION OF PROJECT

ROADWAY CONSTRUCTION

INISH GRADING

FINAL STABILIZATION

CUT AND FILL

SCHEDULE

EROSION CONTROL PHASE

EROSION CONTROL PHASE 1

CONSTRUCTION PHASE 2

STABILIZATION PHASE

STABILIZATION PHASE 3

STABILIZATION PHASE 3

ALL PHASES

COMPLETION

OR, OCK SOD OD S. THEY AVE A NG NTING. OR BY	CAROLINIA CAROLINIA	CAROLINA	ENGINEERING CONSTITUTION TANTS	INC.	No. C02324	THINK OF ACTUMENT	*ANY INFRINGEMENT M	THE DESIGNS AND	REPRODUCTION, COPY	INFORMATION IS SIRI WRITTEN CON	
ODS: LOWER OR HAY ULSION SHALL WATER		DATE	1	1	1	1	1	1	1	-	
ERTY, EDISK" RATED SISKS OF IT IN ITHETIC CH. TO	AN REVISIONS	DESCRIPTION									

NS									
PLAN REVISIONS	DESCRIPTION								
		-	-	-	-	-	-	1	1
	NO.	1	2	3	4	5	9	7	8
								<u> </u>	$\overline{}$
						\bigcup		FAX)	}

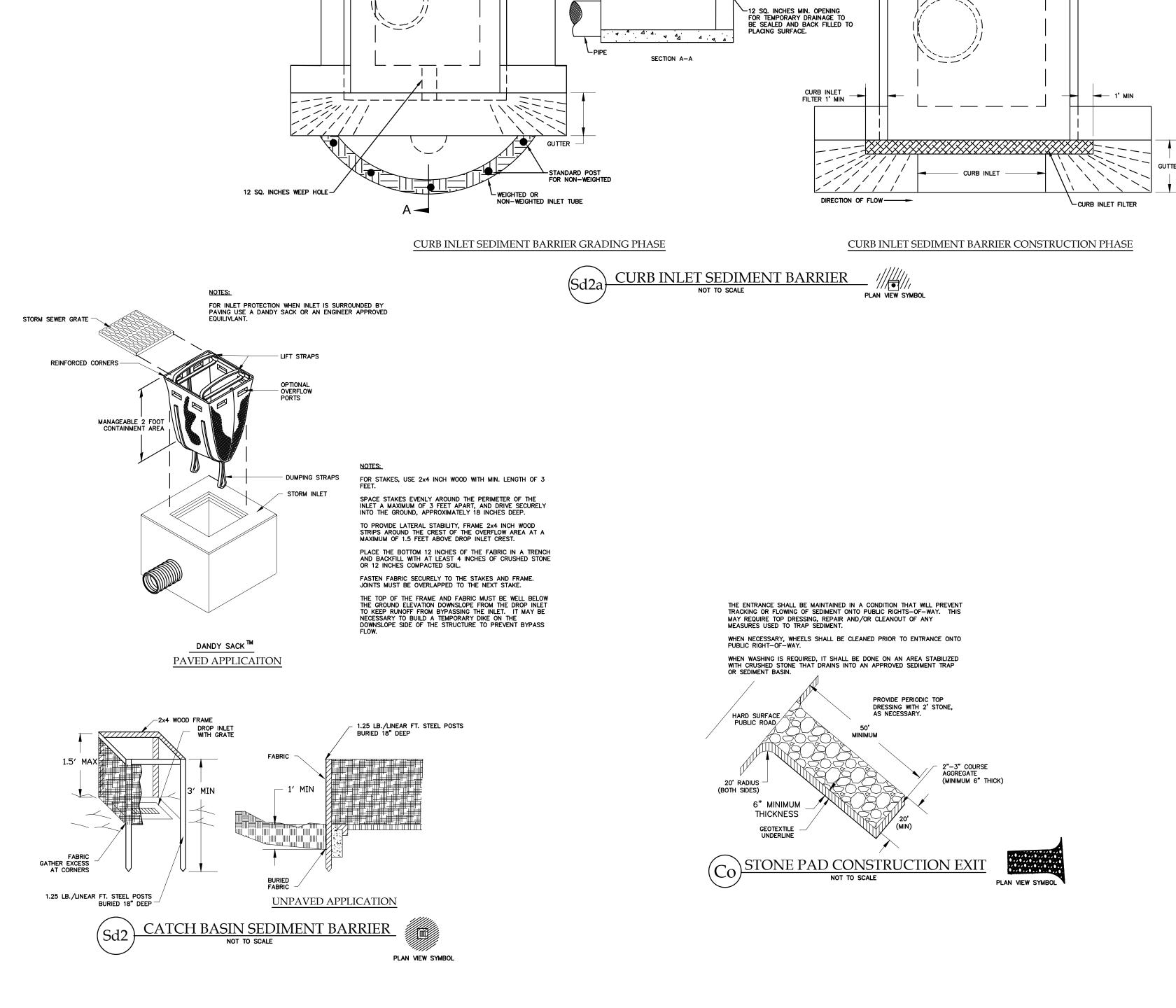
 \triangleleft SOL MMY'S EXPRESS CA 87 SIMMONSVILLE RO TOWN OF BLUFFTON, ENGINEERING 0

AROLIN 2524 04/23/24

PROJECT: **REVISED:** 07/22/24 DRAWN BY: BJS DRK ENGINEER: H-DATUM: NAD 83 V-DATUM: NAVD 88 SCALE: NTS

SEDIMENT & **EROSION CONTROL DETAILS**

DATE:



TOP OF CUT

OF 5" IN HEIGHT

CONCRETE

WASHOUT

CONCRETE WASHOUT SIGN DETAIL

1.25 LB./LINEAR FT. STEEL POSTS
BURIED 18" DEEP, 6' O.C.
ATTACH FABRIC AT POSTS
W/ HEAVY DUTY PLASTIC TIE

PROVIDE SLIGHT EARTH BERM ON FLOW SIDE TO SECURE FABRIC

SILT SCREEN TO BE 27" WIDE PERVIOUS SYNTHETIC WOVEN FILTER FABRIC WITH BOTTOM 8" BURIED BENEATH GROUND, OVER LAP 18" AT JOINTS & SEW OR STAPLED TOGETHER

PREFABRICATED SILT

8" TRENCH @ FENCE BASE

SEDIMENT TUBE OR SILT FENCE (OPTIONAL)

4.

GUTTER WIDTH

THON-WEIGHTED SEDIMENT TUBE

PAVEMENT STRUCTURE

EARTHEN BERM

PLASTIC LINER PLACED
UNDER BERM
(ENTRY SIDE ONLY)

- ORIGINAL GROUND

PLASTIC LINER
OVER BERM
EARTHEN BERM
GRAVEL-FILLED BAG

5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR

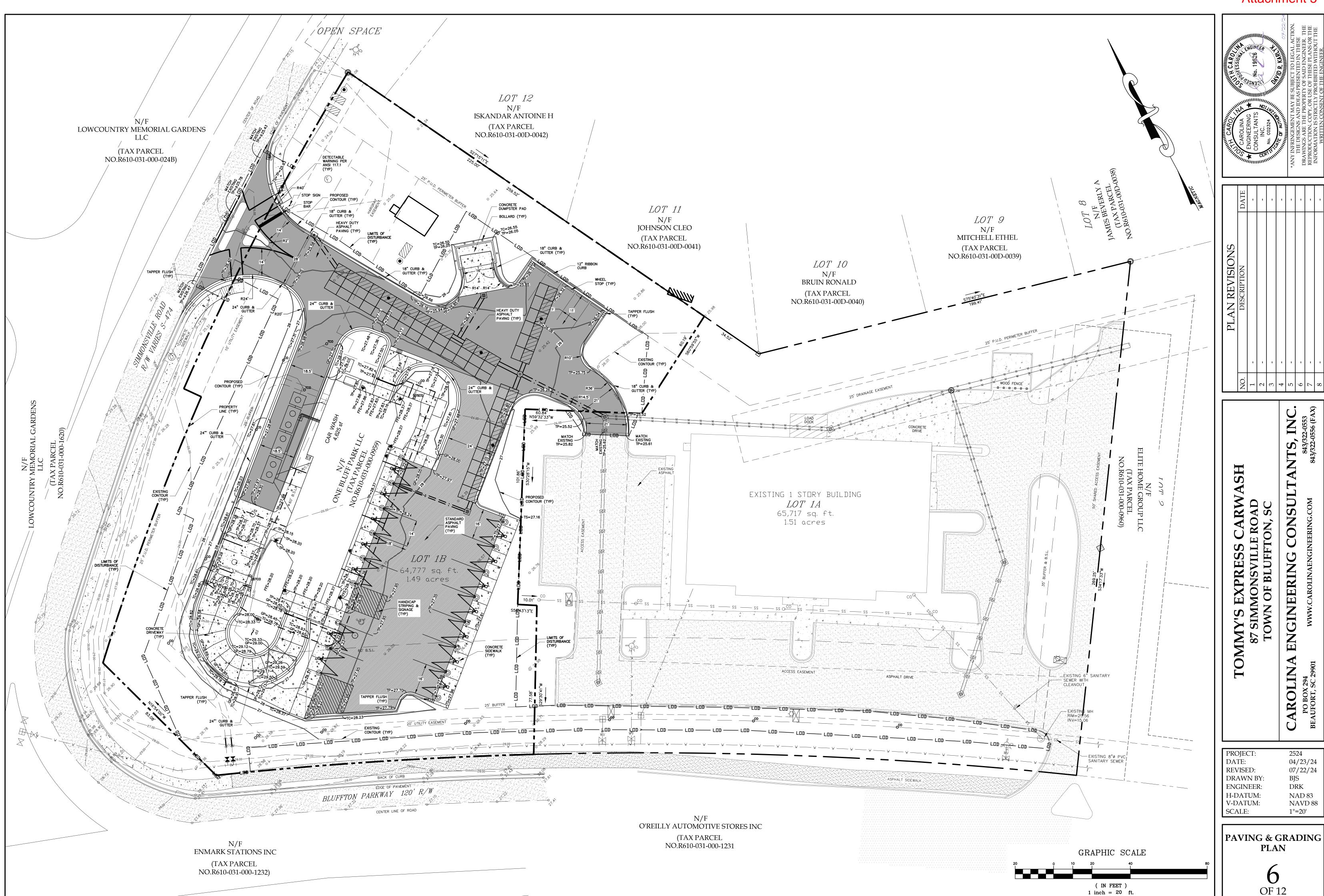
SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.

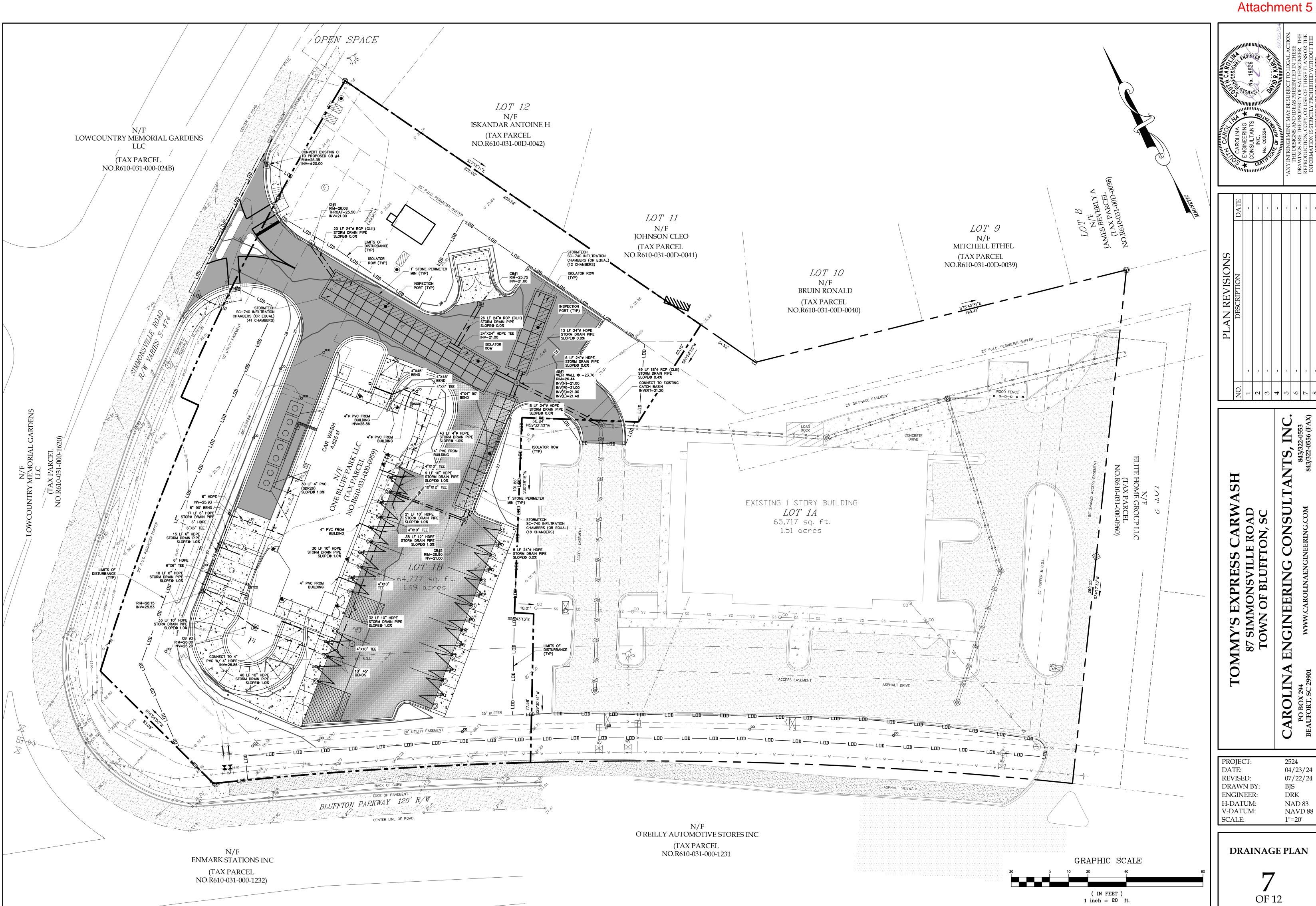
A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

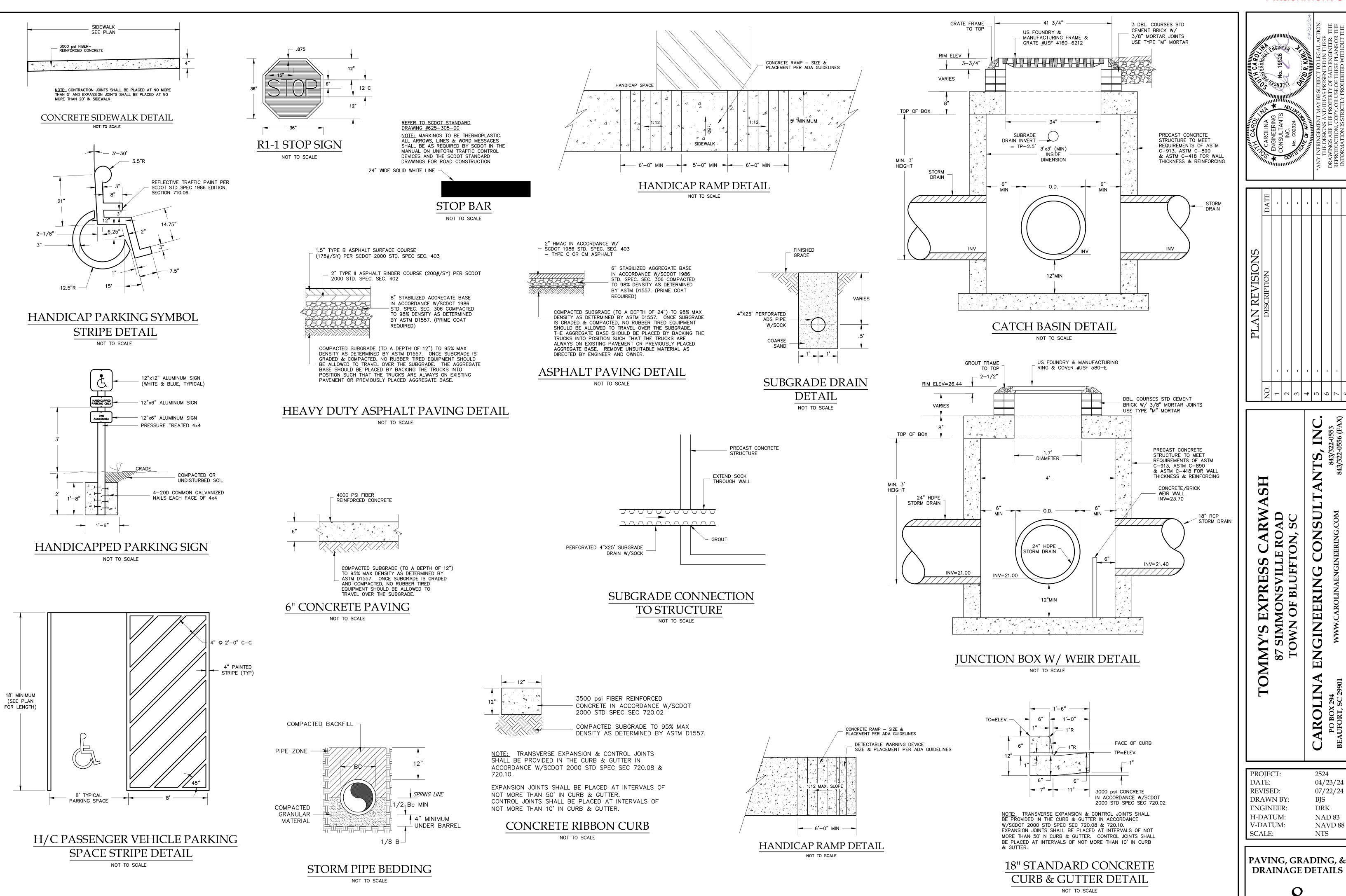
PLASTIC LINER _ OVER BERM

EARTHEN BERM_

TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.







INC

A

SOL

ENGINEERING

AROLIN

2524

BJS

DRK

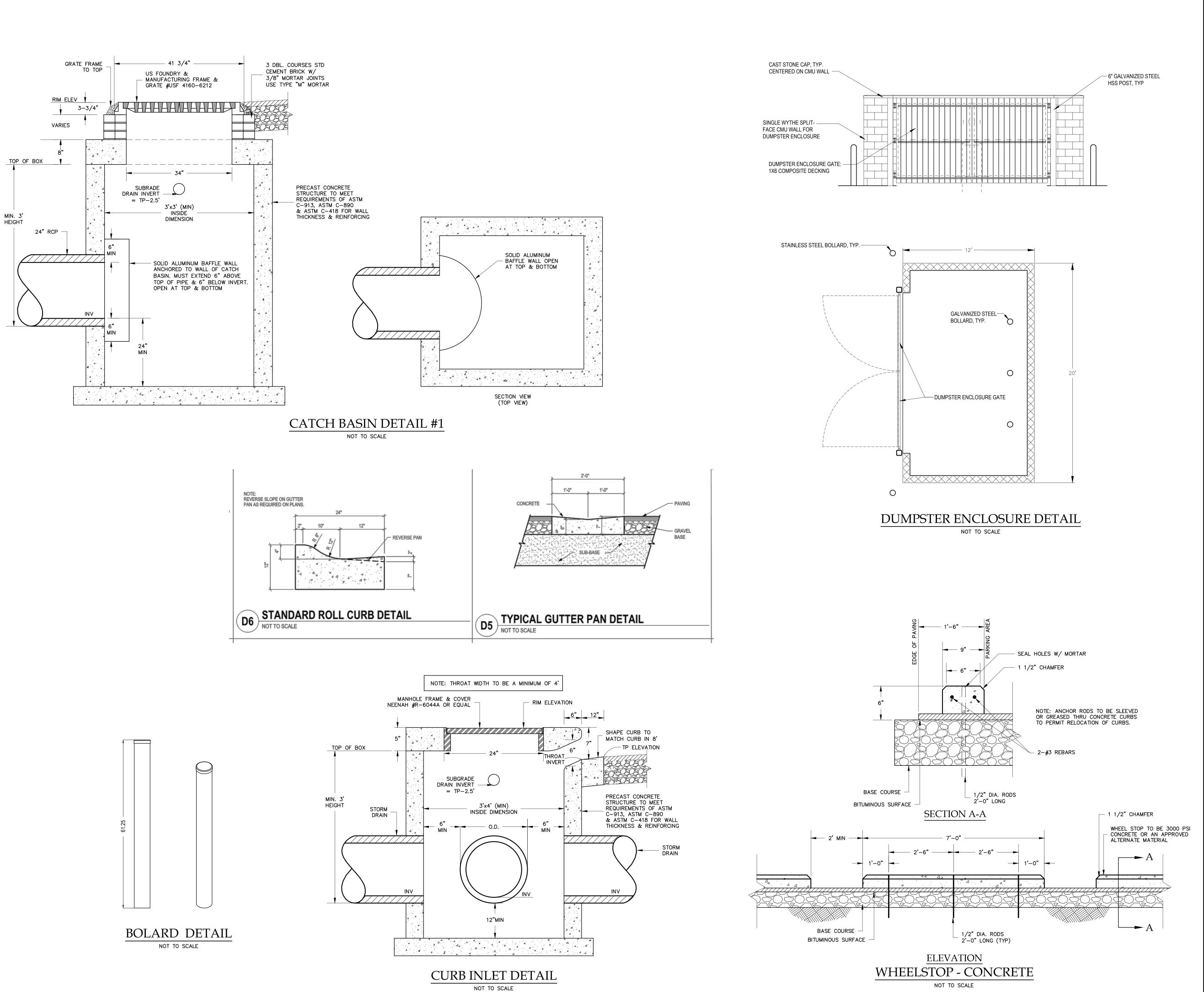
NTS

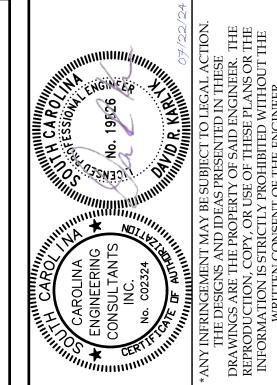
NAD 83

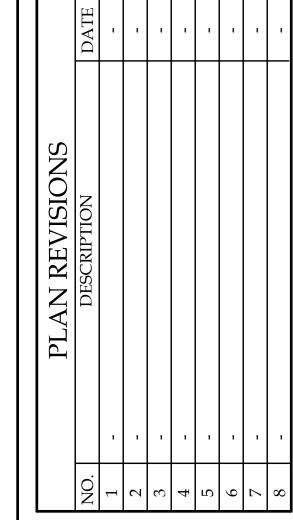
NAVD 88

04/23/24

07/22/24







TOMMY'S EXPRESS CARWASH
87 SIMMONSVILLE ROAD
TOWN OF BLUFFTON, SC
NA ENGINEERING CONSULTANTS, IN

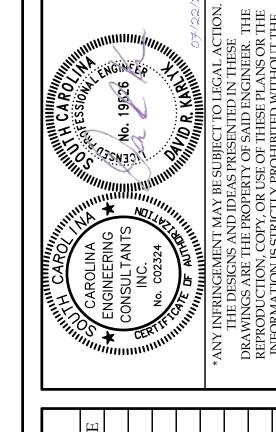
PROJECT: 2524
DATE: 04/23/24
REVISED: 07/22/24
DRAWN BY: BJS
ENGINEER: DRK
H-DATUM: NAD 83
V-DATUM: NAVD 88

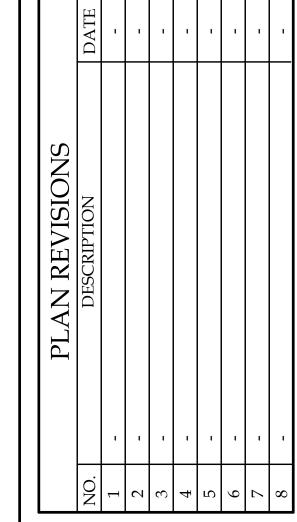
SCALE:

PAVING, GRADING, & DRAINAGE DETAILS

NTS

9 OF 12





CONSULTAN TOMMY'S EXPRESS CARW
87 SIMMONSVILLE ROAD
TOWN OF BLUFFTON, SC ENGINEERING

CAROLINA

PROJECT: 2524 04/23/24 REVISED: 07/22/24 DRAWN BY: BJS ENGINEER: DRK H-DATUM: NAD 83 V-DATUM: NAVD 88

NTS

DATE:

SCALE:

STORM TECH **DETAILS**

CHAMBERS SHALL MEET THE DESIGN REQUIREMENTS AND SAFETY FACTORS SPECIFIED IN SECTION 12.12 OF THE LATEST EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. LOADS SHALL BE CALCULATED IN ACCORDANCE WITH SECTION 3 (AASHTO) AND SHALL INCLUDE H20 DESIGN TRUCK,—, CSC-740 END CAP GRANULAR WELL GRADED SOIL/AGGREGATE MIXTURES, IMPACT FACTOR, MULTIPLE PRESENCE FACTOR, AND LANE LOAD. <35% FINES. COMPACT IN 6 IN LIFTS TO 95% PROCTOR DENSITY. SC-740 CHAMBER-SEE THE TABLE OF ACCEPTABLE FILL MATERIALS IN STORMTECH'S DESIGN MANUAL, INSTALLATION MANUAL, OR WWW.STORMTECH.COM. 3/4 - 2 INCH WASHED, CRUSHED, ANGULAR STONE— PAVEMENT-ADS 601 GEOTEXTILE OR EQUAL-BOTTOM OF CHAMBERS = 21.00 -BOTTOM OF ROCK = 20.50 DESIGN ENGINEER IS RESPONSIBLE FOR ENSURING SUITABILITY OF SUBGRADE SOILS*— FOR STORMTECH INFORMATION CALL 1-888-892-2694 *SEE STORMTECH DESIGN MANUAL

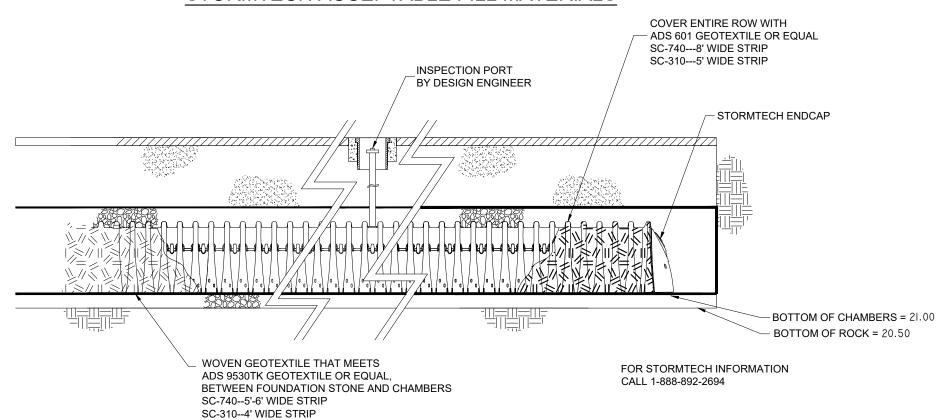
SC-740 TYPICAL CROSS SECTION

ACCEPTABLE FILL MATERIALS STORMTECH SC-740 CHAMBER SYSTEMS

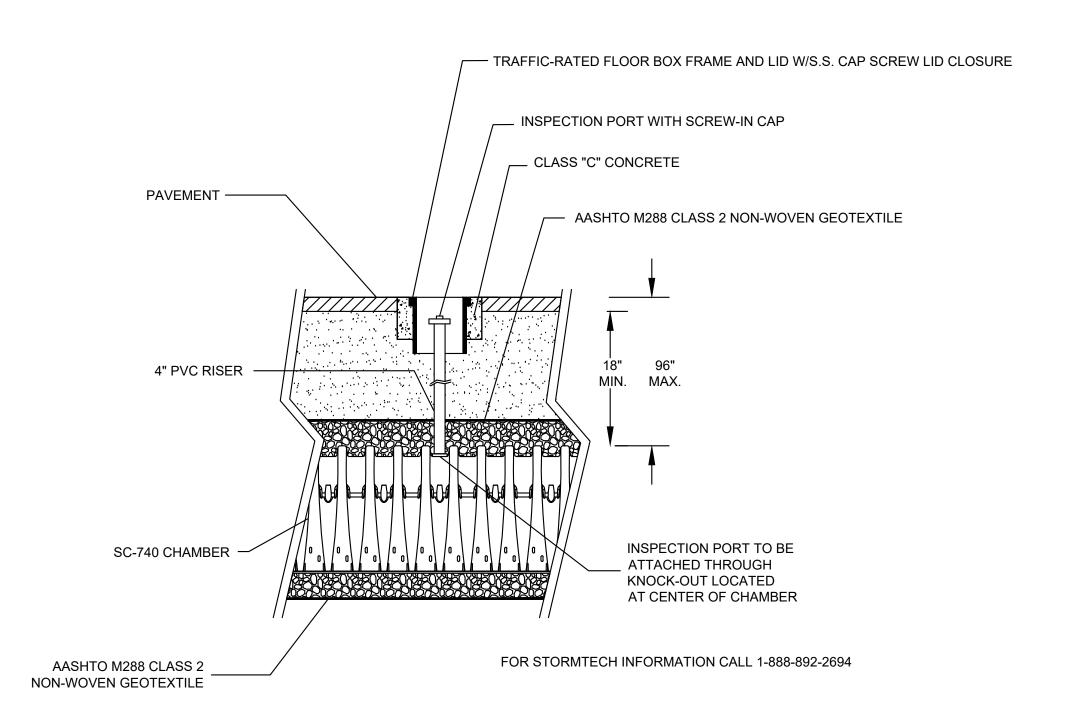
	DESCRIPTION	AASHTO M43 DESIGNATION	AASHTO M145 DESIGNATION	COMPACTION/DENSITY REQUIREMENT
	ANY SOIL/ROCK MATERIALS, NATIVE SOILS OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	N/A	PREPARE PER ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
FILL MATERIAL FOR 6" TO 18" ELEVATION ABOVE CHAMBERS (24" FOR UNPAVED INSTALLATIONS)	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES.	3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	A-1 A-2 A-3	COMPACT IN 6" LIFTS TO A MINIMUM 95% STANDARD PROCTOR DENSITY. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 LBS. DYNAMIC FORCE NOT TO EXCEED 20,000 LBS.
EMBEDMENT STONE SURROUNDING AND TO A 6" ELEVATION ABOVE CHAMBERS	WASHED ANGULAR STONE WITH THE MAJORITY OF PARTICLES BETWEEN 3/4 - 2 INCH	3, 357, 4, 467, 5, 56, 57	N/A	NO COMPACTION REQUIRED
	WASHED ANGULAR STONE WITH THE MAJORITY OF PARTICLES BETWEEN 3/4 - 2 INCH	3, 357, 4, 467, 5, 56, 57	N/A	PLATE COMPACT OR ROLL TO ACHIEVE A 95% STANDARD PROCTOR DENSITY

PLEASE NOTE: THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE WASHED CRUSHED ANGULAR. FOR EXAMPLE, THE STONE MUST BE SPECIFIED AS WASHED, CRUSHED, ANGULAR NO. 4 STONE.

STORMTECH ACCEPTABLE FILL MATERIALS

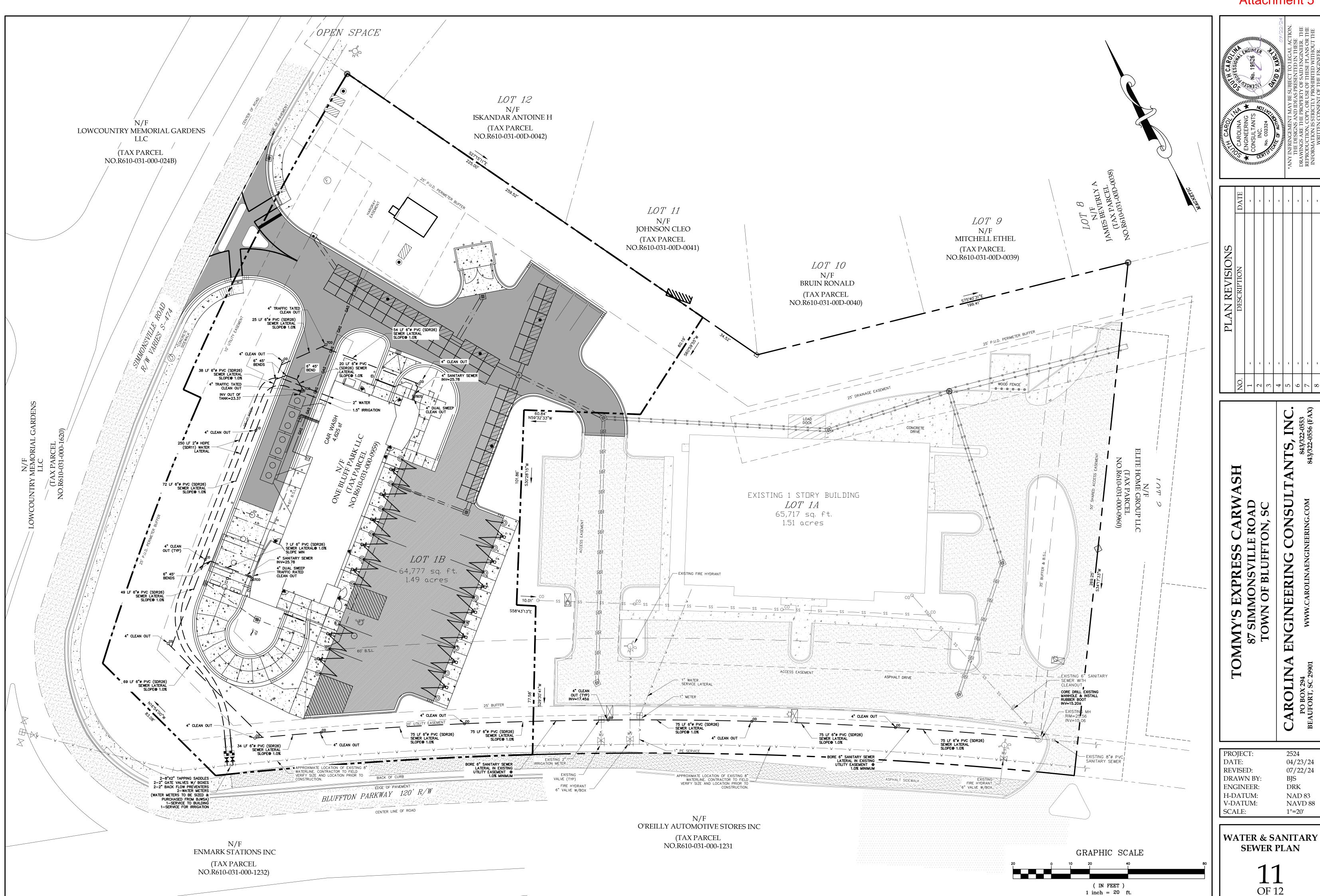


STORMTECH ISOLATOR ROW DETAIL

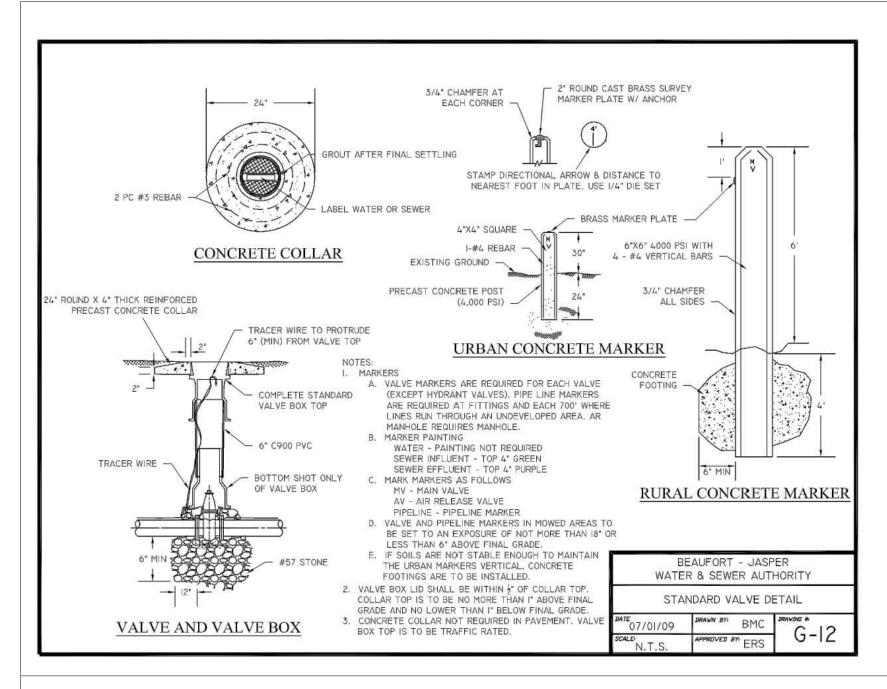


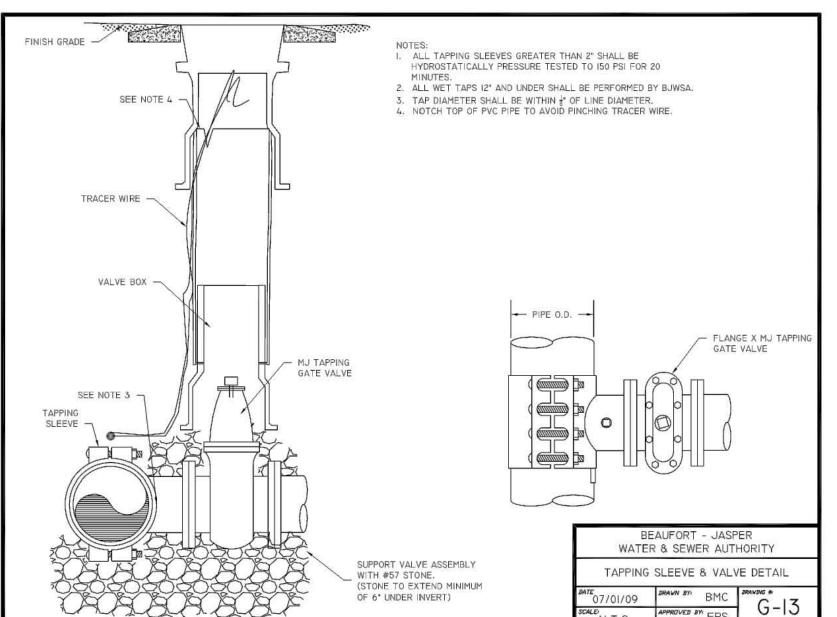
STORMTECH SC-740 CHAMBER SYSTEM OPTIONAL INSPECTION PORT DETAIL

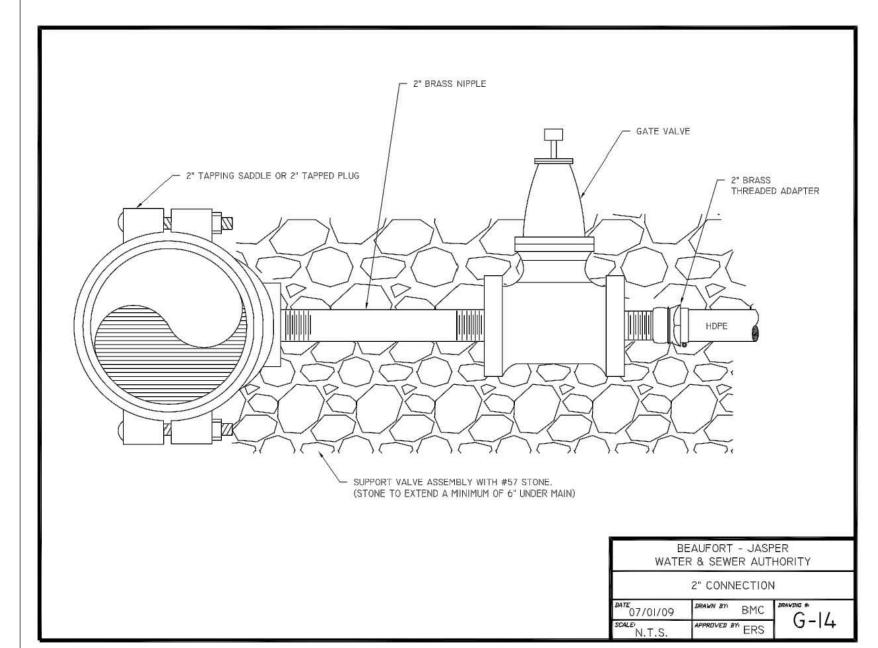
NOT TO SCALE

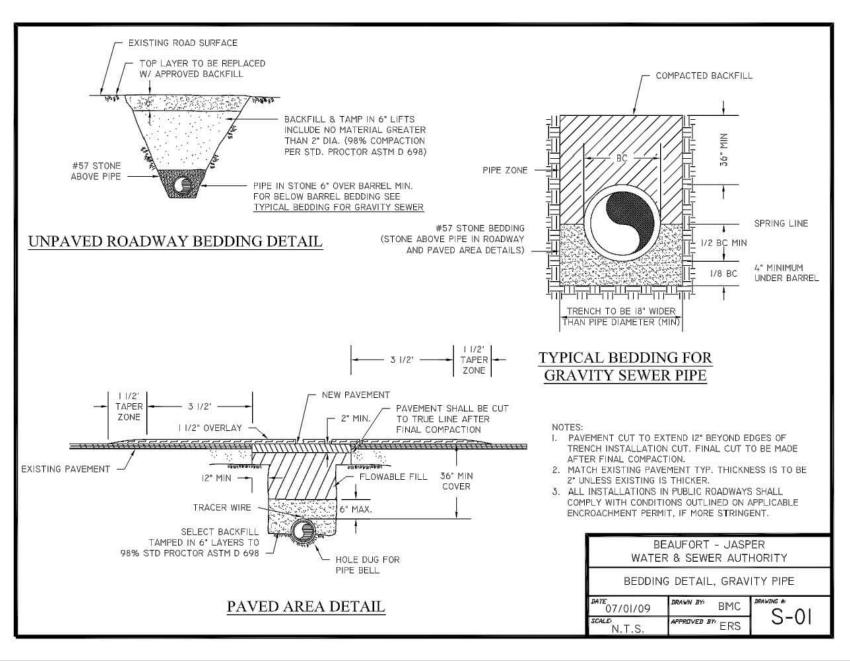


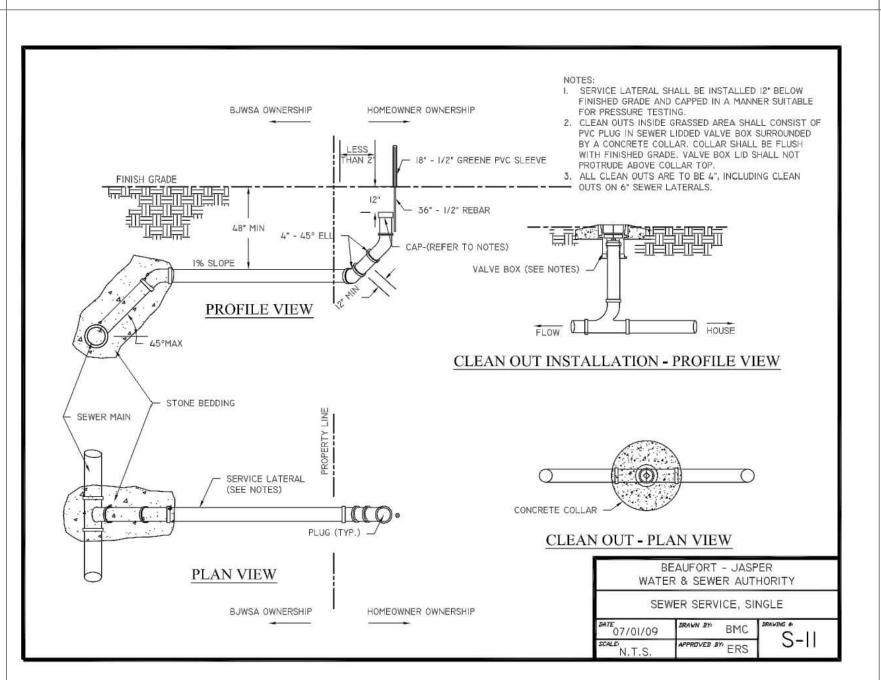
Attachment 5

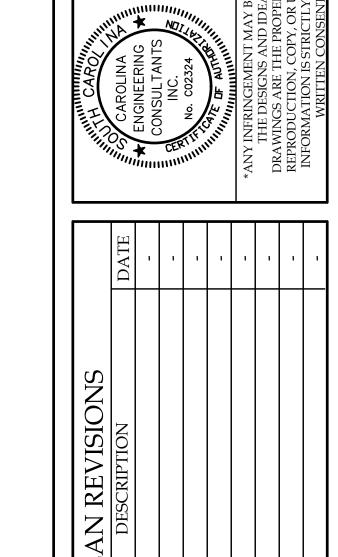












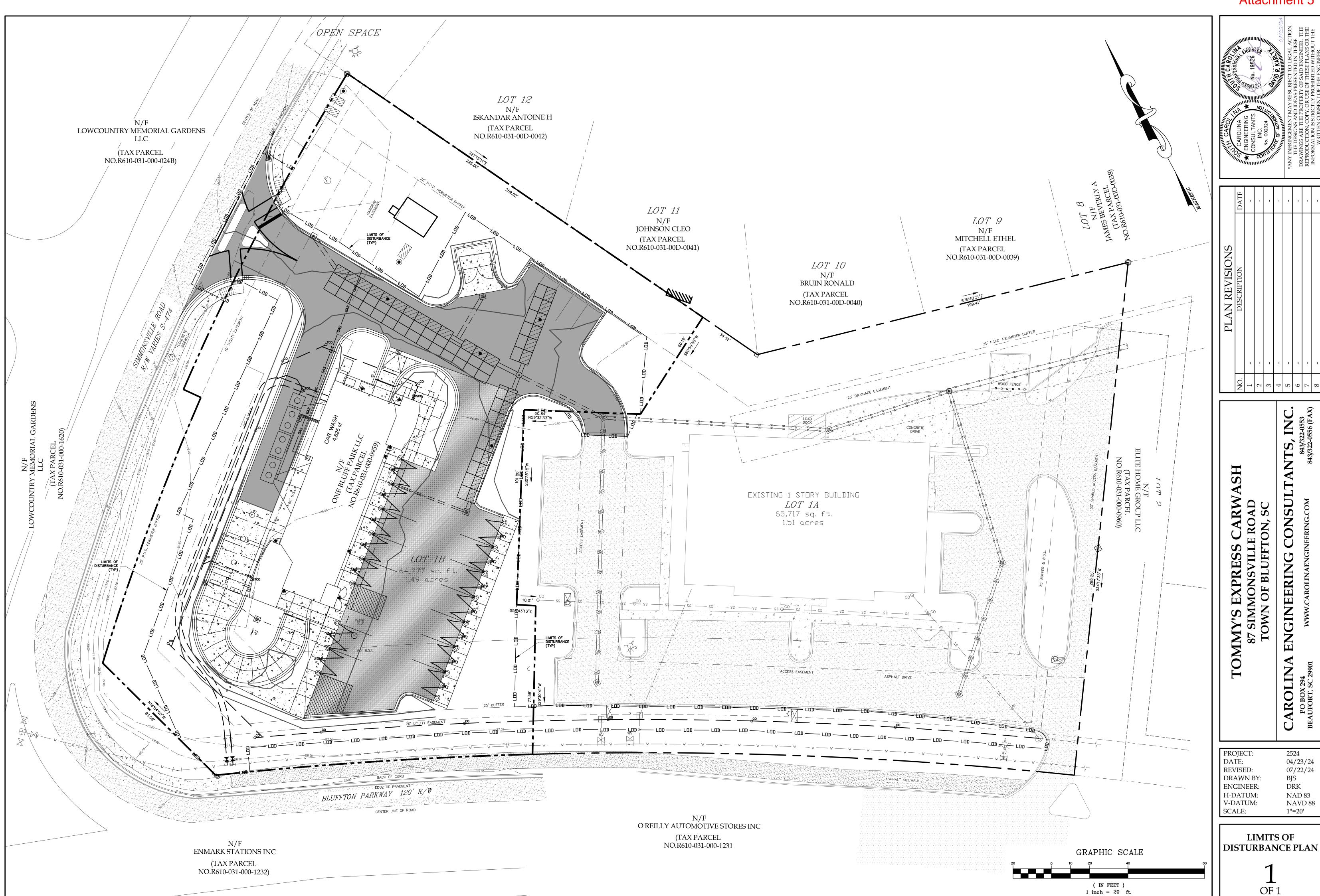
SH

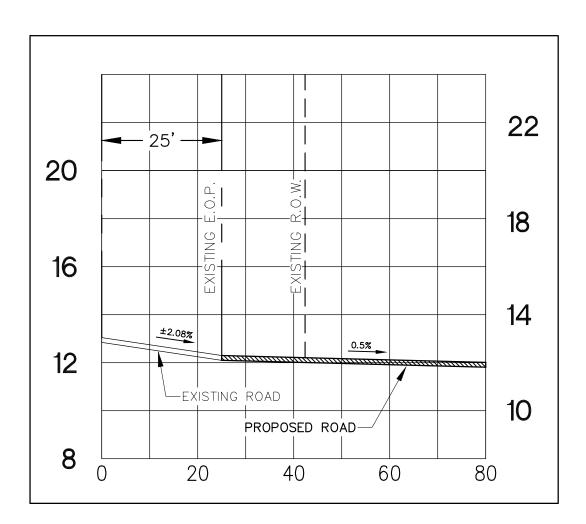
CONSULTAN TOMMY'S EXPRESS CARW
87 SIMMONSVILLE ROAD
TOWN OF BLUFFTON, SC ENGINEERING

CAROLINA

2524 PROJECT: 04/23/24 DATE: REVISED: 07/22/24 DRAWN BY: BJS DRK ENGINEER: H-DATUM: NAD 83 V-DATUM: NAVD 88 NTS SCALE:

WATER & SANITARY SEWER DETAILS





DRIVEWAY PROFILE

SCALE: HORZ. 1"=20' VERT. 1"=4'

VERTICAL GRAPHIC SCALE (IN FEET) 1 inch = 4 ft.HORZONTAL GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

GENERAL NOTES,

WHERE NEW CONSTRUCTION IS NEAR THE EDGE OF AN EXISTING PAVED ROADWAY, A TRAFFIC LANE WILL BE TEMPORARILY CLOSED TO PROVIDE SAFETY TO THE PUBLIC AND TO THE WORKMEN. NO LANE CLOSURES DURING 7:00 AM TO 9:00 AM OR FROM 3:30 PM TO 6:00 PM ARE ALLOWED.

APPLICANT WILL REPAIR ALL DAMAGE DONE TO ROADSIDE AND RESEED WITH PERMANENT GRASS.

TRAFFIC CONTROLS FOR THIS INSTALLATION SHALL BE IN ACCORDANCE WITH S.C.M.U.T.C.D.

PAVEMENT MARKING LINES TO BE THERMOPLASTIC.

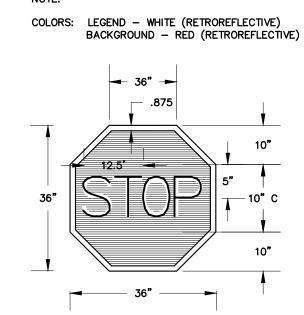
RAISED REFLECTIVE PAVEMENT MARKER RRPM'S TO BE INSTALLED IN ACCORDANCE WITH SCDOT'S STANDARD DRAWINGS NO. 603-1 THRU 603-8 JULY, 1997.

ALL PROPOSED SIGNAGE AND PAVEMENT MARKINGS SHOULD BE IN ACCORDANCE WITH THE 2003 EDITION OF THE MUTCD.

NOTE: MARKINGS TO BE THERMOPLASTIC. ALL ARROWS, LINES & WORD MESSAGES SHALL BE AS REQUIRED BY SCDOT IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION STOP BAR NOT TO SCALE

NOTE:

CONTRACTOR TO REFER TO THE MOST CURRENT EDITION OF THE SCDOT STANDARD DRAWINGS.

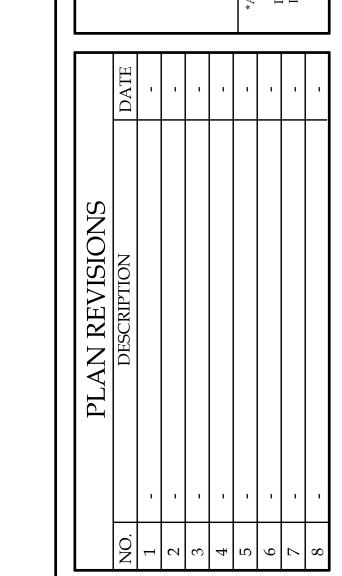


R-1 STOP SIGN NOT TO SCALE

2" TYPE B ASPHALT SURFACE COURSE (175#/SY) PER SCDOT 2000 STD. SPEC SEC. 403 3.0" TYPE II ASPHALT BINDER COURSE PER SCDOT 2000 STD. SPEC. SEC. 402 6" STABILIZED AGGREGATE BASE IN ACCORDANCE W/SCDOT 1986 STD. SPEC. SEC. 306 COMPACTED TO 98% DENSITY AS DETERMINED BY ASTM D1557. (PRIME COAT

COMPACTED SUBGRADE (TO A DEPTH OF 12") TO 95% MAX DENSITY AS DETERMINED BY ASTM D1557. ONCE SUBGRADE IS GRADED & COMPACTED, NO RUBBER TIRED EQUIPMENT SHOULD BE ALLOWED TO TRAVEL OVER THE SUBGRADE. THE AGGREGATE BASE SHOULD BE PLACED BY BACKING THE TRUCKS INTO POSITION SUCH THAT THE TRUCKS ARE ALWAYS ON EXISTING PAVEMENT OR PREVIOUSLY PLACED AGGREGATE BASE.

HEAVY DUTY ASPHALT PAVING DETAIL (IN SCDOT R/W ONLY NOT TO SCALE



CONSULTAR

ENGINEERING

CAROLINA

2524 PROJECT: 04/23/24 DATE: REVISED: 07/22/24 DRAWN BY: BJS DRK ENGINEER: H-DATUM: NAD 83 V-DATUM: NAVD 88 1"=20'

ENCROACHMENT PLAN

OF 1

(IN FEET) 1 inch = 30 ft.

