

1-800-632-4949 WWW.NC811.ORG

60'	0	30'	60'
SCALE	1 inch =	60	

C6.2

C6.3

REF

REF

REF

DETAILS

DETAILS

	SIT	E Louiseure re	i	- Final Dr
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Site Da	ata &	Vicinity Map		T
WAKE COUN REAL ESTATE CURRENT ZC TOTAL ACRE DISTURBED WATERSHED RIVER BASIN CURRENT US PROPOSED L REQUIRED B BUILDING FL BUILDING HE TOTAL NUM TOTAL NUM	ITY PIN: E ID: DNING: EAGE IN SITE: EAGE IN PROJECT LIMITS: ACREAGE: D: E: D: E: JSE: UILDING SETBACKS: DOR AREA: DT COVERAGE:	1758-46-8940 509439 GC-CZ 1.62 AC 1.31 AC 1.31 AC Lower Neuse Neuse VACANT / WOODED NON-RESIDENTIAL / FUEL SALES / RETAIL 35' (REAR), 25' (CORNER), 20' (FRONT), 15' (SIDE) 4,791 SF 0% EXIST., 6.80% PROPOSED 21' 5" (1 STORY) 12 SPACES (INCL. 1 H/C) + 1 BICYCLE SPACE 34 SPACES (INCL. 2 H/C) + 4 BICYCLE SPACES 0 SF 52,272 SF (74%)	CROSLANI	
	NT STANDARDS:	LDO DB 19463, PG 2429-2432 BM 2023, PG 1603-1604 BM 1996, PG 187 748 S. MAIN STREET		L L C
SHEET	Γ INDEX		z	
#		TITLE	PLAN	
C0.1	COVER - OVERALL SITE P	PLAN		
C0.2	EXISTING CONDITIONS		SITE	
C1.0	EROSION CONTROL PLAN	N - Ph. 1		
C1.1	EROSION CONTROL PLAN	N - Ph. 2		
C1.2	EROSION CONTROL NOTE	ES	<u> </u>	
C1.3	EROSION CONTROL DETA	AILS	OVERAI	
C2.0	SITE PLAN			
C3.0	UTILITY PLAN		μ Έ Ε	
C4.0	GRADING PLAN		COVER	
C5.0	REQUIRED VEGETATION I	PLAN		
C6.0	DETAILS			
C6.1	DETAILS			
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SURVEY - JOHNSON, MIRMIRAN, & THOMPSON (1 SHEET) REF ARCHITECTURAL BUILDING ELEVATIONS BUFSTUDIO (5 SHEETS)

SITE LIGHTING PLAN - BUFSTUDIO (3 SHEETS) PR 21-04 REVISED - TREE PRESERVATION PLAN (1 SHEET)

> **EROSION CONTROL, STORMWATER** AND FLOODPLAIN MANAGEMENT APPROVED EROSION CONTROL 🗌 S-STORMWATER MGMT. S-FLOOD STUDY S-

DATE

ENVIRONMENTAL CONSULTANT SIGNATURE





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ULDOSES

CONSULTIN GROUP, PLLC

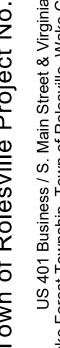
Project Manager:

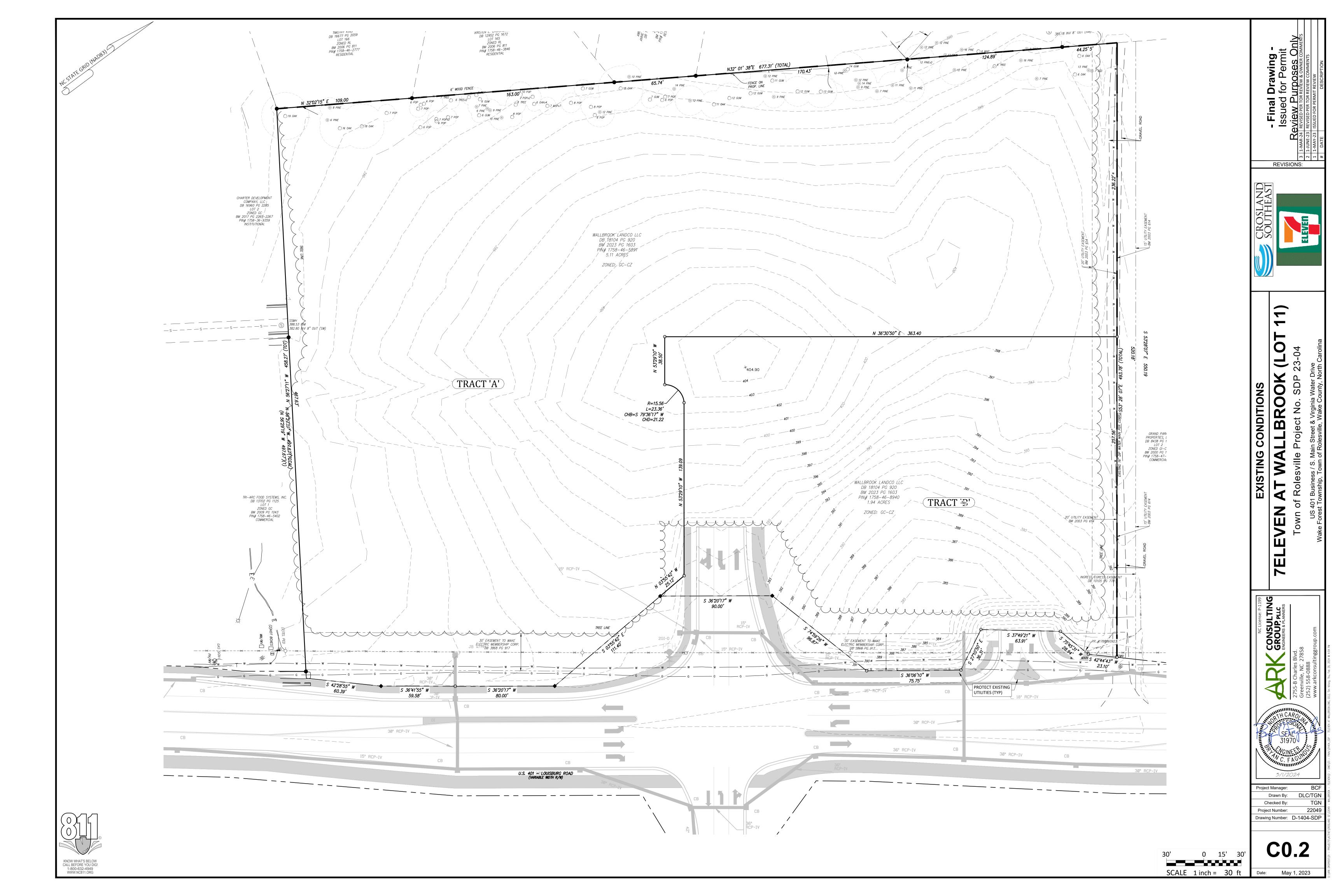
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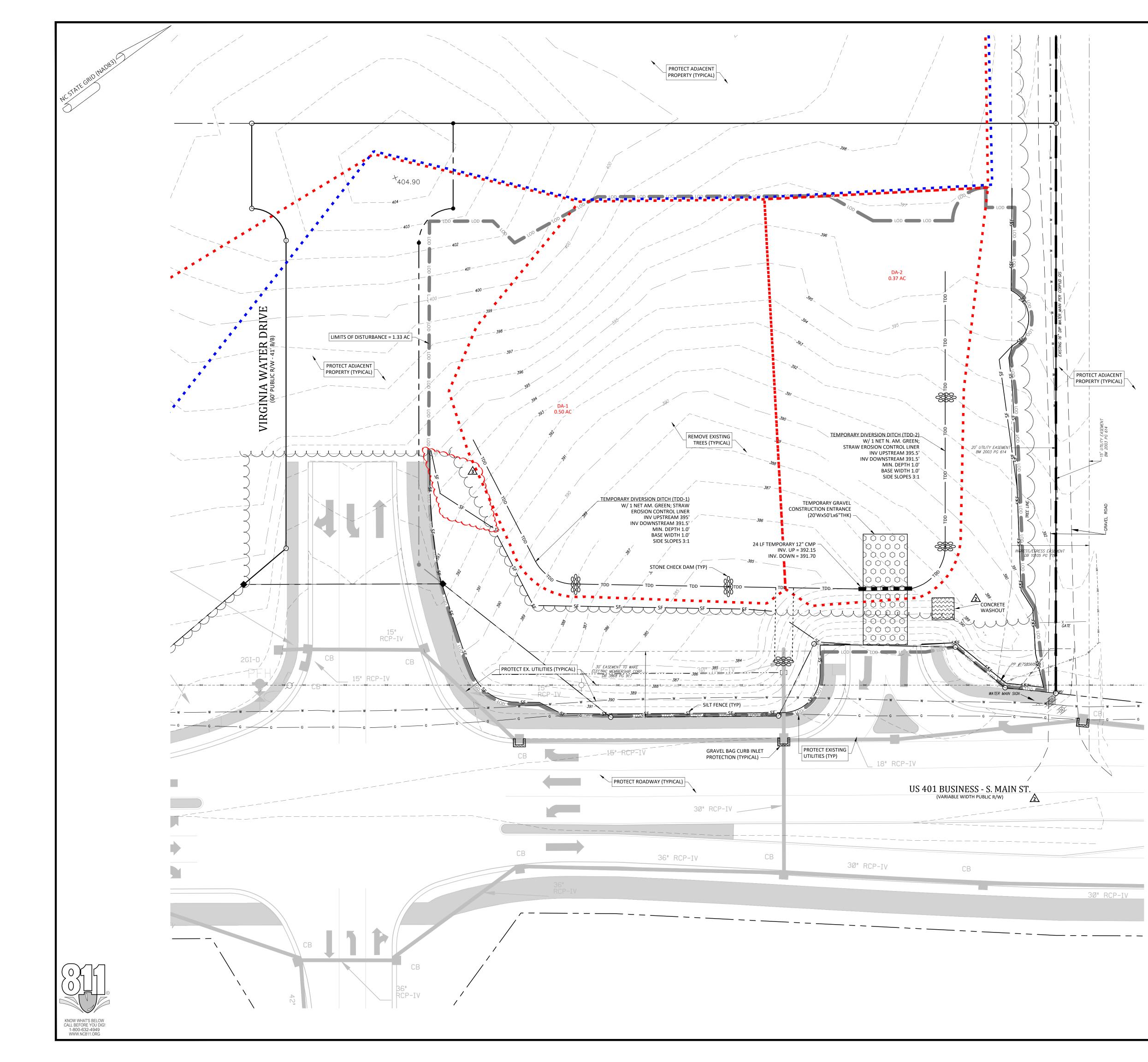
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Project Number:

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Demolition Notes:

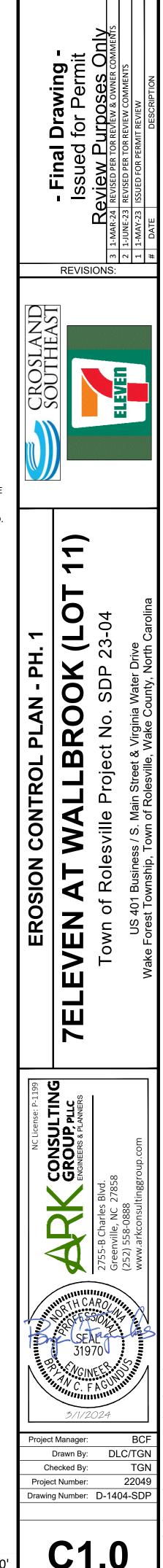
- 1. CONTRACTOR SHALL CONTACT NORTH CAROLINA ONE-CALL CENTER (NC 811) BY DIALING 811 OR 1-800-632-4949 AT LEAST 72 HOURS IN ADVANCE OF ANY LAND DISTURBING ACTIVITY OR DIGGING AND HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO EXCAVATING OR TRENCHING.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL AND STATE PERMITS REQUIRED FOR DEMOLITION WORK.
- 3. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR ENGINEER FOR ANY AND ALL INJURIES AND/OR DAMAGES TO PERSONNEL, EQUIPMENT AND/OR EXISTING FACILITIES IN THE DEMOLITION AND CONSTRUCTION DESCRIBED IN THE PLANS AND SPECIFICATIONS.
- 4. EXISTING CONDITIONS AS DEPICTED ON THESE PLANS ARE GENERAL AND ILLUSTRATIVE IN NATURE AND DO NOT INCLUDE MECHANICAL, ELECTRICAL AND MISCELLANEOUS STRUCTURES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE SITE AND BE FAMILIAR WITH EXISTING CONDITIONS PRIOR TO BIDDING ON THE DEMOLITION WORK FOR THIS PROJECT. IF CONDITIONS ENCOUNTERED DURING EXAMINATION ARE SIGNIFICANTLY DIFFERENT THAN THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- 5. ALL DEMOLITION WASTE AND DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A STATE APPROVED WASTE SITE AND IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND PERMIT REQUIREMENTS.
- 6. THE BURNING OF CLEARED MATERIAL AND DEBRIS SHALL NOT BE ALLOWED UNLESS CONTRACTOR GETS WRITTEN AUTHORIZATION FROM THE LOCAL AUTHORITIES.
- 7. ASBESTOS OR HAZARDOUS MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF HAZARDOUS MATERIALS ARE ENCOUNTERED.
- 8. CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
- 9. CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL, AND OSHA REGULATIONS WHEN OPERATING DEMOLITION EQUIPMENT AROUND UTILITIES.
- 10. CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE NCDOT STANDARDS, AND AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL AND COORDINATE WITH THE LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT, AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES.
- 11. CONTRACTOR SHALL PROTECT AT ALL TIMES ADJACENT STRUCTURES AND ITEMS FROM DAMAGE DUE TO DEMOLITION OR CONSTRUCTION ACTIVITIES.
- 12. CONTRACTOR SHALL REMOVE EXISTING VEGETATION AND IMPROVEMENTS WITHIN LIMITS OF DISTURBANCE UNLESS NOTED OTHERWISE. 13. TREES OUTSIDE OF CONSTRUCTION LIMITS OR TREES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED.

Erosion Control Provisions:

- 1. NO PERSON MAY INITIATE A LAND DISTURBING ACTIVITY BEFORE NOTIFYING WAKE COUNTY WATERSHED MANAGEMENT OF THE DATE THAT THE LAND DISTURBING ACTIVITY WILL BEGIN.
- 2. LAND DISTURBING ACTIVITY BEYOND THAT REQUIRED TO INSTALL APPROPRIATE EROSION CONTROL MAY NOT PROCEED UNTIL EROSION CONTROL MEASURES ARE INSPECTED AND APPROVED BY THE ENGINEER.
- 3. SCHEDULING OF A PRE-CONSTRUCTION CONFERENCE WITH THE WAKE COUNTY WATERSHED MANAGER, JEEVAN NEUPANE, PE (919-819-8907) PRIOR TO INITIATING LAND DISTURBING ACTIVITIES IS REQUIRED. FOR INSPECTION CALL 919-819-8907. 48 HOUR NOTICE IS REQUIRED.
- 4. INSTALL TREE PROTECTION FENCING AROUND ALL AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE AS SHOWN ON PLANS.
- 5. PROVIDE 20' X 50' X 6" STONE CONSTRUCTION ENTRANCES AS SHOWN ON PLAN.
- . SEED OR OTHERWISE PROVIDE GROUND COVER DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION FOR ALL EXPOSED SLOPES WITHIN 7 DAYS OF COMPLETION OF ANY PHASE OF GRADING ON PERIMETER AREAS AND SLOPES STEEPER THAN 3:1. ALL OTHER AREAS SHALL BE STABILIZED WITHIN 14 DAYS.
- 7. CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. FAILURE TO KEEP ALL EROSION CONTROL DEVICES IN PROPER WORKING ORDER MAY RESULT IN A STOP WORK ORDER OR CIVIL PENALTIES UP TO \$5000.00 PER DAY OF VIOLATION.
- 8. THE ENGINEER RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES SHOULD THE PLAN OR ITS IMPLEMENTATION PROVE TO BE INADEQUATE.
- 9. ACCEPTANCE AND APPROVAL OF THIS PLAN IS CONDITIONED UPON YOUR COMPLIANCE WITH FEDERAL AND STATE WATER QUALITY LAWS, REGULATION AND RULES. IN ADDITION LOCAL CITY AND COUNTY ORDINANCES OR RULES MAY ALSO APPLY TO THIS LAND DISTURBING ACTIVITY. APPROVAL BY THE COUNTY DOES NOT SUPERSEDE ANY OTHER PERMIT OR APPROVAL.
- 10. PLEASE BE ADVISED OF THE RULES TO PROTECT AND MAINTAIN EXISTING BUFFERS ALONG WATERCOURSES IN THE NEUSE AND RIVER BASIN. THESE RULES ARE ENFORCED BY THE DIVISION OF WATER RESOURCES (DWR). DIRECT ANY QUESTIONS ABOUT THE APPLICABILITY OF THESE RULES TO YOUR PROJECT TO THE REGIONAL WATER QUALITY SUPERVISOR, RALEIGH REGIONAL OFFICE AT (919) 791-4200.
- 11. ALL AREAS DOWNSTREAM OF TEMPORARY BASINS AND DITCHES ARE TO BE STABILIZED IMMEDIATELY UPON CONSTRUCTION.

Construction Sequence:

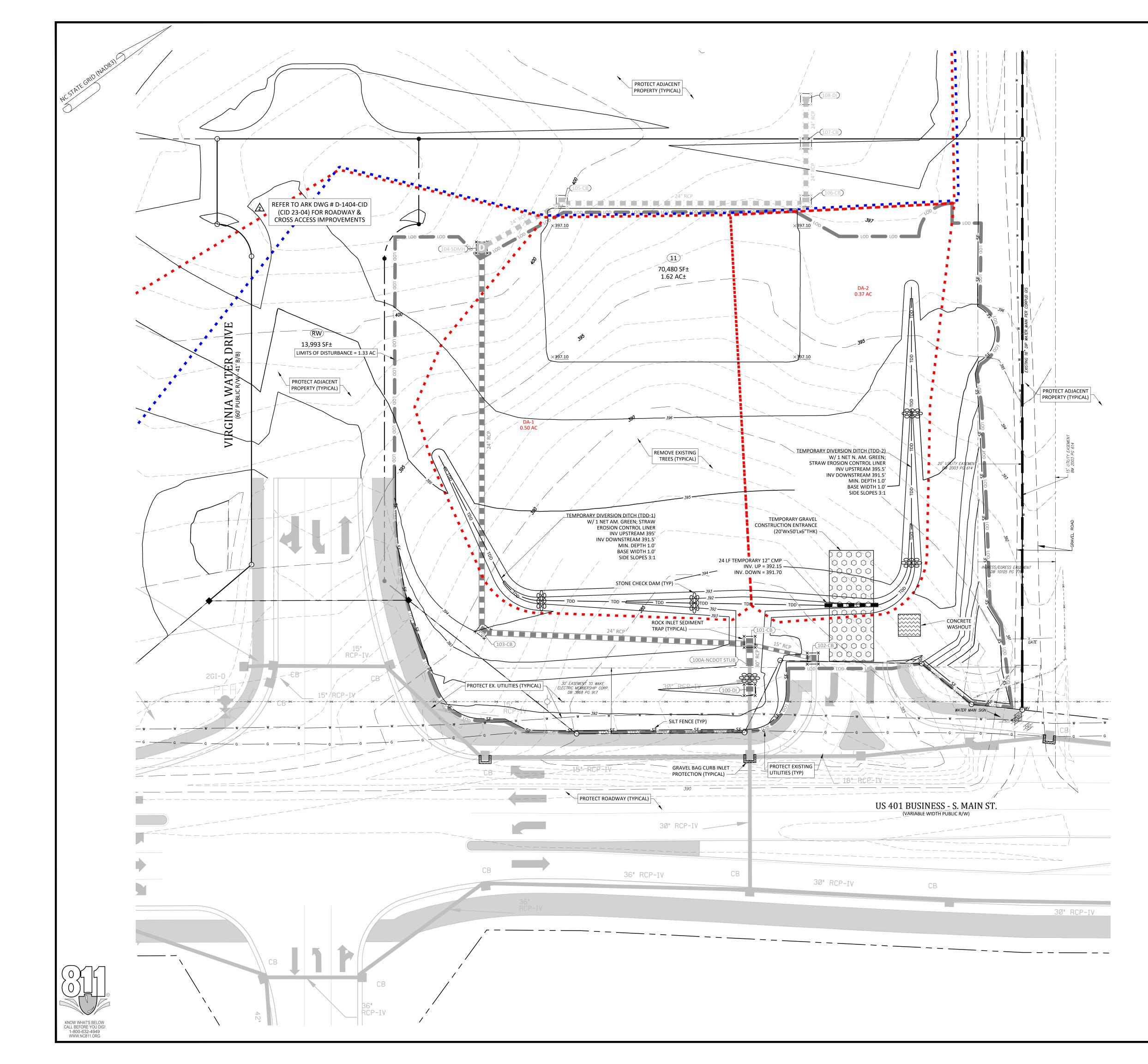
- 1. EROSION AND SEDIMENT CONTROL (E&SC) PERMIT AND A CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIES OCCUR.
- 2. CALL WAKE COUNTY WATERSHED MANAGER JEEVAN NEUPANE AT (919) 819-8907 A MINIMUM OF 48 HOURS IN ADVANCE TO SCHEDULE A PRE-CONSTRUCTION MEETING AND FOR NOTIFICATION OF PROJECT START UP.
- 3. ANY DEWATERING ON THE SITE SHALL BE DONE THROUGH A SILT BAG THAT IS CONSTANTLY MONITORED.
- 4. INSTALL GRAVEL CONSTRUCTION PAD, TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED TEMPORARY DIVERSIONS, BERMS AND BASINS IMMEDIATELY AFTER CONSTRUCTION. 5. CALL WATERSHED MANAGER, JEEVAN NEUPANE FOR AN ONSITE INSPECTION TO OBTAIN A CERTIFICATE
- OF COMPLIANCE. 6. BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE. INSTALL TEMPORARY SKIMMER SEDIMENT BASINS, ALONG WITH TEMPORARY DIVERSION DITCHES THAT SHALL
- BE INSTALLED TO ENSURE AS MUCH FLOW AS POSSIBLE IS DIRECTED TO THE BASINS. AS ROUGH GRADING CONTINUES, DEVICES SHALL BE MAINTAINED AND CLEANED OF SEDIMENT. SKIMMER SEDIMENT BASINS TO BE ABANDONED SHALL BE REMOVED AS FOLLOWS: DEWATER THROUGH SILT BAG, CLEAN SEDIMENT, REMOVE BAFFLES, BACKFILL BASIN AND STABILIZE IMMEDIATELY. DEWATERING OPERATIONS THROUGH SILT BAGS SHALL BE MONITORED CONTINUOUSLY.
- 8. STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAME. 9. WHEN ROUGH GRADING IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL WATERSHED
- MANAGER JEEVAN NEUPANE FOR INSPECTION. 10. IF SITE IS APPROVED, MAINTAIN TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS, ETC., AND SEED OR STABILIZED ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL
- DEVICES, SUCH AS VELOCITY DISSIPATERS, SHOULD NOW BE INSTALLED. 11. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR FINAL SITE INSPECTION BY THE WATERSHED MANAGER, JEEVAN NEUPANE. OBTAIN CERTIFICATE OF COMPLETION.



0 10' 20 SCALE 1 inch = 20 ft

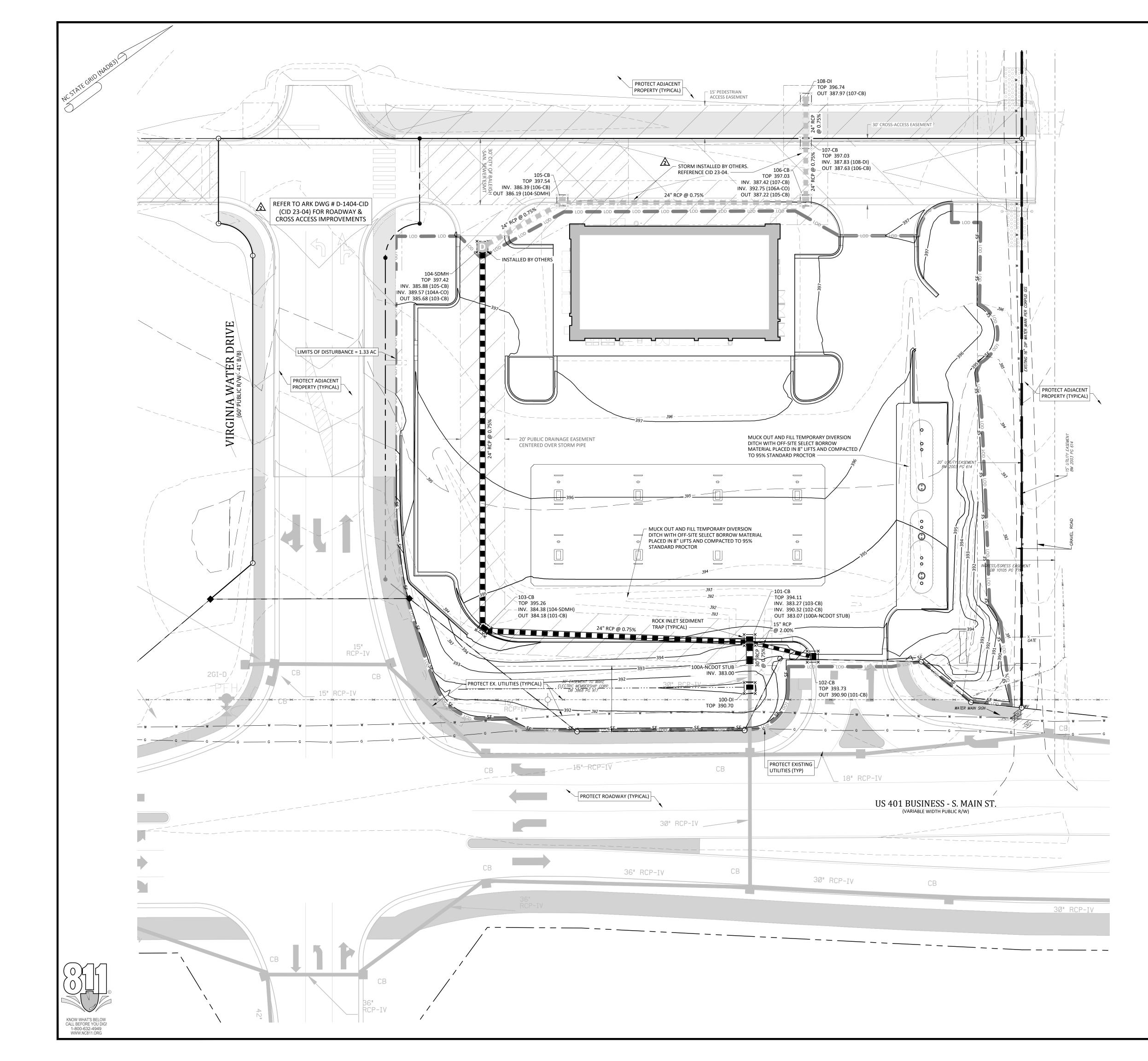
Date:

May 1, 2023



	- - -	- FINAL URAWING - Issued for Permit	22 Review Purposes Only 23 1-MAR-24 REVISED PER TOR REVIEW & OWNER COMMENTS	2 1-JUNE-23 REVISED PER TOR REVIEW COMMENTS 1 1-MAY-23 ISSUED FOR PERMIT REVIEW # DATE DESCRIPTION
	CROSLAND SOUTHFAST			
	EROSION CONTROL PLAN - PH. 2	7ELEVEN AT WALLBROOK (LOT 11)	Town of Rolesville Project No. SDP 23-04	US 401 Business / S. Main Street & Virginia Water Drive Wake Forest Township, Town of Rolesville, Wake County, North Carolina
	Project	SE 310	DL	22 252) 558-0888 WWW.arkconsultinggroup.com WWW.arkconsultinggroup.com MWW.arkconsultinggroup.com MWW.arkconsultinggroup.com MWW.arkconsultinggroup.com MWW.arkconsultinggroup.com
20' 0 10' 20' SCALE 1 inch = 20 ft	Date:	C 1	y 1, 20	ослужи риореох/он - риотеста/челиеловох/он - риотеста/челиеловох/он - риотеста/челиеловох/он - риотеста/челиеловок/он - риотеста/челиел

20'



	- Final Drawing - - Final Drawing - - Final Drawing - - Sued for Permit - Issued for Permit - Beview Purposes Only - I-MAR-24 - I-MAR-23 Revised Per TOR REVIEW & OWNER COMMENTS - I -INNE-23 - I -INNE-24 - I -INNE-27 - I -INNE-23 - I -INNE-24
	CROSLAND
	EROSION CONTROL PLAN - PH. 3 PLEVEN AT WALLBROOK (LOT 11) Town of Rolesville Project No. SDP 23-04 US 401 Business / S. Main Street & Virginia Water Drive Wake Forest Township, Town of Rolesville, Wake County, North Carolina
	NC LICENSE: P-1109 NC LICENSE: P
20' 0 10' 20' SCALE 1 inch = 20 ft	C1.2 Date: May 1, 2023

20'

	BILIZATION	
Re	quired Ground Stab	ilization Timeframes
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	s Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	 -7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope
practicable but in no case le activity. Temporary ground surface stable against accel	onger than 90 calend d stabilization shall b lerated erosion until SPECIFICATION	hanent ground stabilization as soon as dar days after the last land disturbing be maintained in a manner to render the I permanent ground stabilization is achieved.
techniques in the table bel	ow:	
Temporary Stab	vered with straw • kifiers	Permanent Stabilzation Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil
 Temporary grass seed cov or other mulches and tack Hydroseeding Rolled erosion control pro without temporary grass Appropriately applied strational plastic sheeting 	oducts with or seed • aw or other mulch •	reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch

EQU	IIPMENT AND VEHICLE MAINTENANCE
1.	Maintain vehicles and equipment to prevent discharge of fluids.
2.	Provide drip pans under any stored equipment.
3.	Identify leaks and repair as soon as feasible, or remove leaking equipment from project.
4.	Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5.	Remove leaking vehicles and construction equipment from service until the prot has been corrected.
6.	Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products a recycling or disposal center that handles these materials.
1770	
1.	R, BUILDING MATERIAL AND LAND CLEARING WASTE Never bury or burn waste. Place litter and debris in approved waste containers.
1. 2.	Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3.	Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4.	Locate waste containers on areas that do not receive substantial amounts of runc from upland areas and does not drain directly to a storm drain, stream or wetland
5.	Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6.	Anchor all lightweight items in waste containers during times of high winds.
7.	Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8.	Dispose waste off-site at an approved disposal facility.
9.	On business days, clean up and dispose of waste in designated waste containers.
PAIN	IT AND OTHER LIQUID WASTE
1.	Do not dump paint and other liquid waste into storm drains, streams or wetland
2.	Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3.	Contain liquid wastes in a controlled area.
4.	Containment must be labeled, sized and placed appropriately for the needs of si
5.	Prevent the discharge of soaps, solvents, detergents and other liquid wastes fror construction sites.
-	TABLE TOILETS
1.	Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foc
	offset is not attainable, provide relocation of portable toilet behind silt fence or p
	on a gravel pad and surround with sand bags.
2.	Provide staking or anchoring of portable toilets during periods of high winds or ir foot traffic areas.
3.	Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and rep with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- 1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably
- available. 2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- 3. Provide stable stone access point when feasible.
- 4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

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

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

2. Additional Documentation

In addition to the E&SC Plan documents above, the following items shall be kept on the and available for agency inspectors at all times during normal business hours, unless the

- Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:
- (a) This general permit as well as the certificate of coverage, after it is received.
- (b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
- (c) All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

SELF-INSPECTION, RECORDKEEPING AND REPORTING

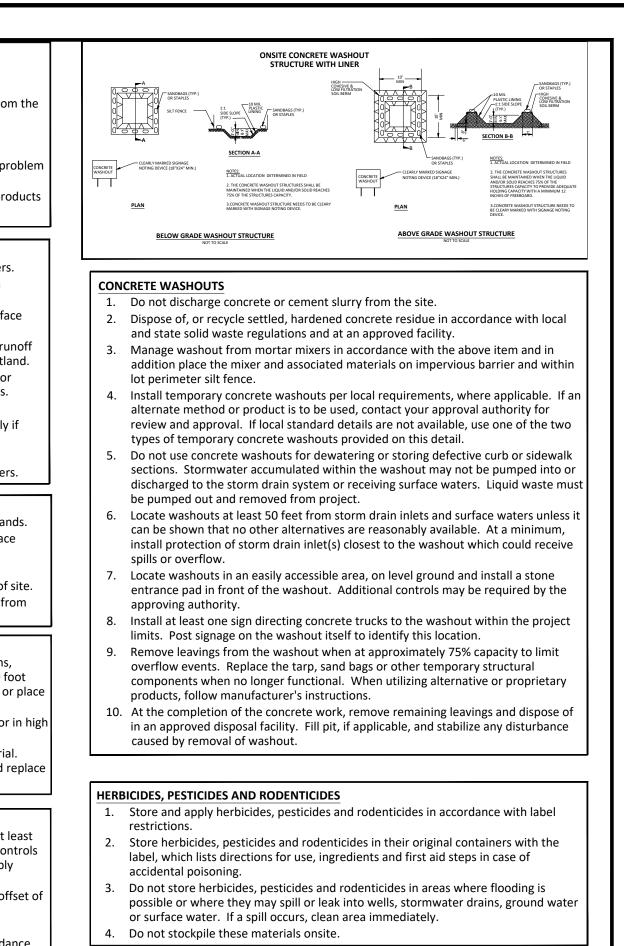
or surrounded by secondary containment structures.

SECTION A: SELF-INSPECTION

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

PART III

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



HAZARDOUS AND TOXIC WASTE

Create designated hazardous waste collection areas on-site. Place hazardous waste containers under cover or in secondary containment.

PART III

SELF-INSPECTION, RECORDKEEPING AND REPORTING

Do not store hazardous chemicals, drums or bagged materials directly on the ground.

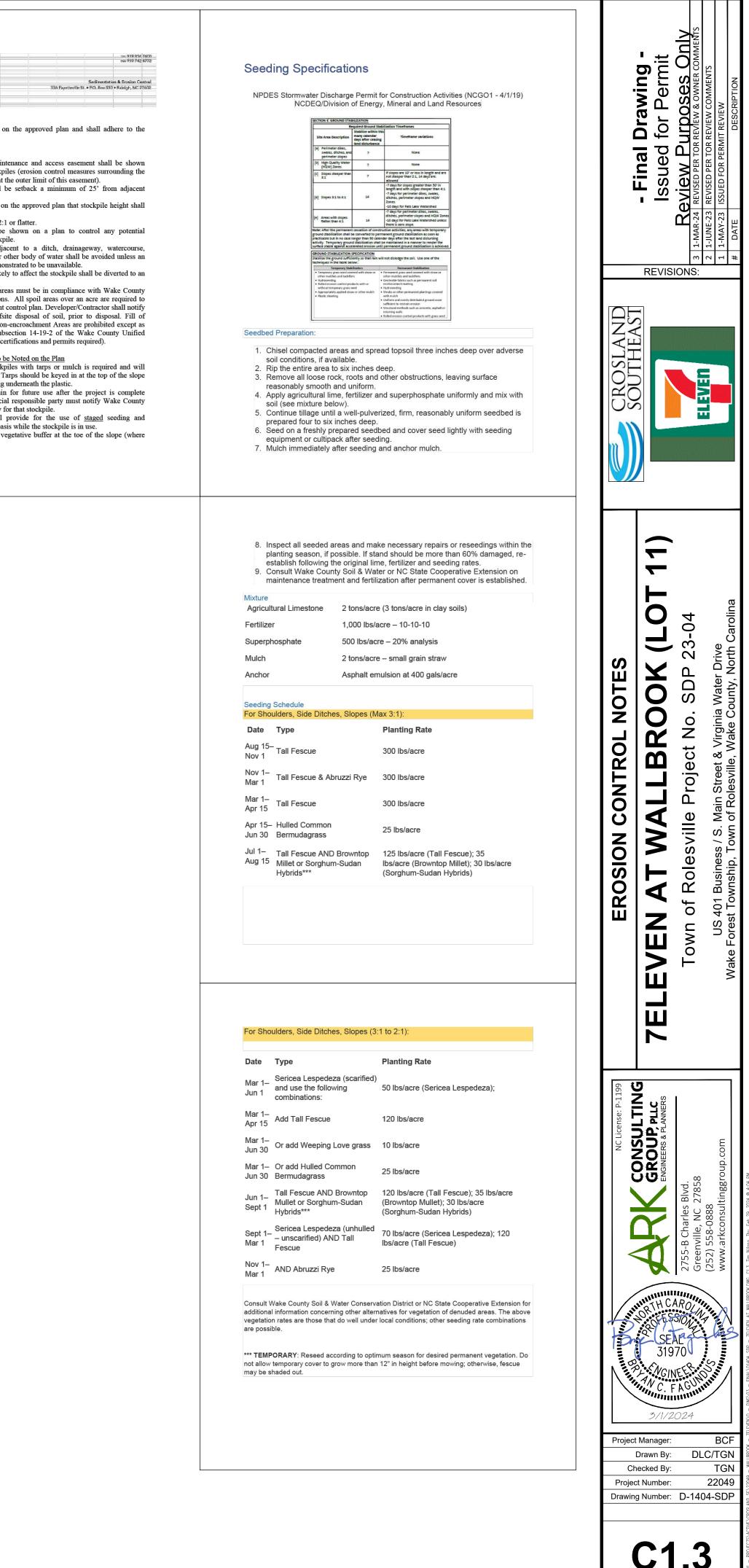
EFFECTIVE: 04/01/19

SECTION C: REPORTING 1. Occurrences that must be reported Permittees shall report the following occurrences: (a) Visible sediment deposition in a stream or wetland. (b) Oil spills if: • They are 25 gallons or more, • They are less than 25 gallons but cannot be cleaned up within 24 hours, • They cause sheen on surface waters (regardless of volume), or • They are within 100 feet of surface waters (regardless of volume). (a) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85. (b) Anticipated bypasses and unanticipated bypasses. (c) Noncompliance with the conditions of this permit that may endanger health or the environment. 2. Reporting Timeframes and Other Requirements After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300. Reporting Timeframes (After Discovery) and Other Requirements Occurrence (a) Visible sediment • Within 24 hours, an oral or electronic notification. deposition in a stream • Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. or wetland Division staff may waive the requirement for a written report on a case-by-case basis. · If the stream is named on the NC 303(d) list as impaired for sedimentrelated causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions. (b) Oil spills and Within 24 hours, an oral or electronic notification. The notification

release of hazardous shall include information about the date, time, nature, volume and location of the spill or release. substances per Item 1(b)-(c) above (c) Anticipated A report at least ten days before the date of the bypass, if possible. bypasses [40 CFR The report shall include an evaluation of the anticipated quality and effect of the bypass. 122.41(m)(3)] Within 24 hours, an oral or electronic notification. (d) Unanticipated bypasses [40 CFR *Within 7 calendar days*, a report that includes an evaluation of the 122.41(m)(3)] quality and effect of the bypass. · Within 24 hours, an oral or electronic notification (e) Noncompliance Within 7 calendar days, a report that contains a description of the with the conditions of noncompliance, and its causes; the period of noncompliance, this permit that may including exact dates and times, and if the noncompliance has not endanger health or the environment[40 CFR been corrected, the anticipated time noncompliance is expected to 122.41(l)(7)] continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6). Division staff may waive the requirement for a written report on a case-by-case basis.

EFFECTIVE: 04/01/19

* WAK COUNT PROFILE CARD	E Environmental Services
Soil st follow	ve September 1, 2008 tockpiles shall be located ing requirements: sign Criteria A 25-foot temporary main around all proposed stockp
b. c. d. e. f. g. h.	stockpile shall be shown at Stockpile footprints shall property lines. A note shall be provided of not exceed 35 feet. Stockpile slopes shall be 2: Approved BMPs shall be sediment loss from a stock. Stockpiling materials adj wetland, stream buffer, or alternative location is demo Any concentrated flow like approved BMP. Off-site spoil or borrow at UDO and State Regulation have an approved sediment Wake County of any offi FEMA Floodways and No otherwise provided by stu
<u>Ma</u> i. j. k. 1.	Development Ordinance (c <u>tintenance Requirements to</u> Seeding or covering stock reduce erosion problems. T to keep water from running If a stockpile is to remai (builders, etc.), the financi of a new responsible party The approved plan shall mulching on a continual ba Establish and maintain a v practical).

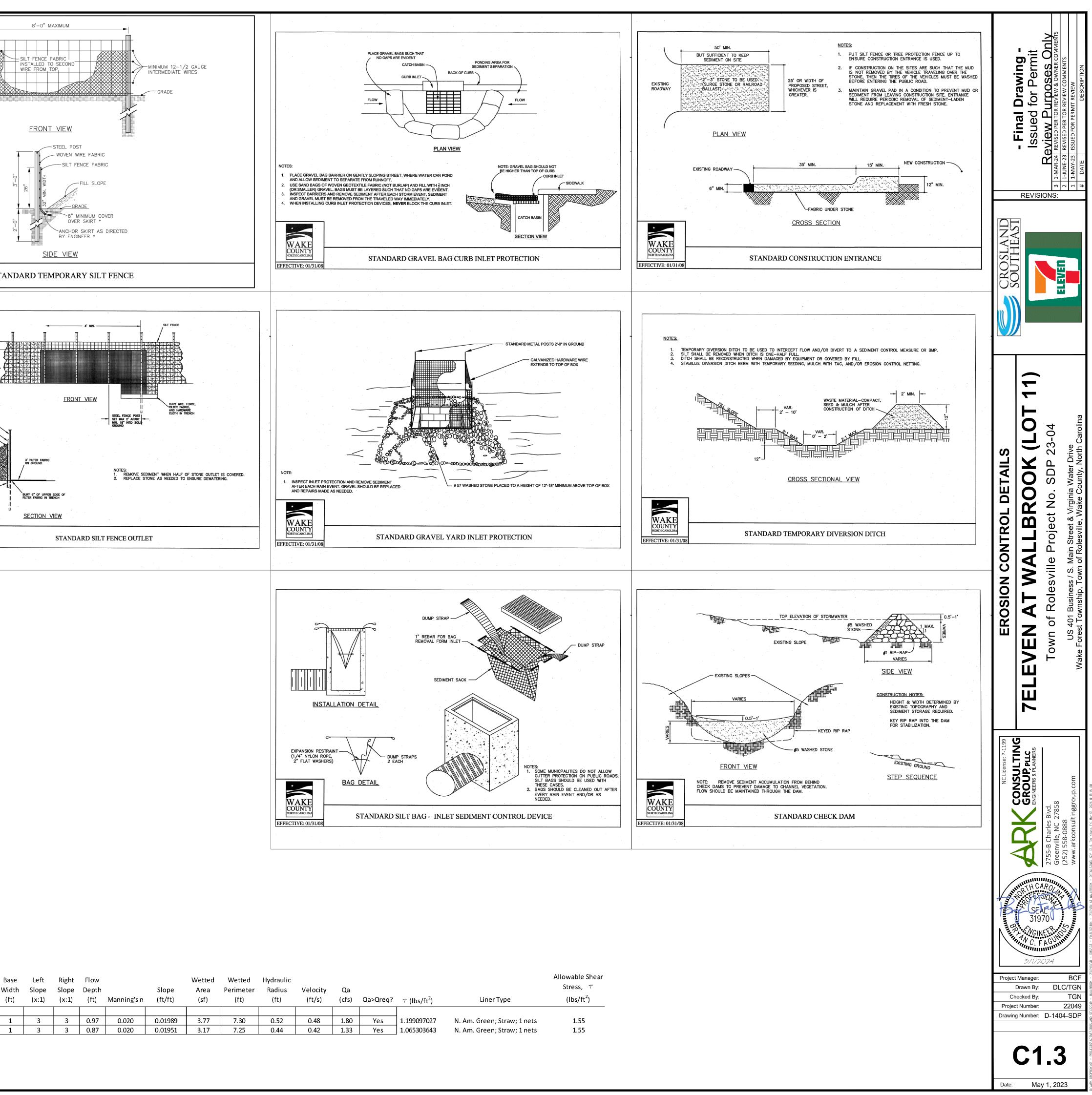


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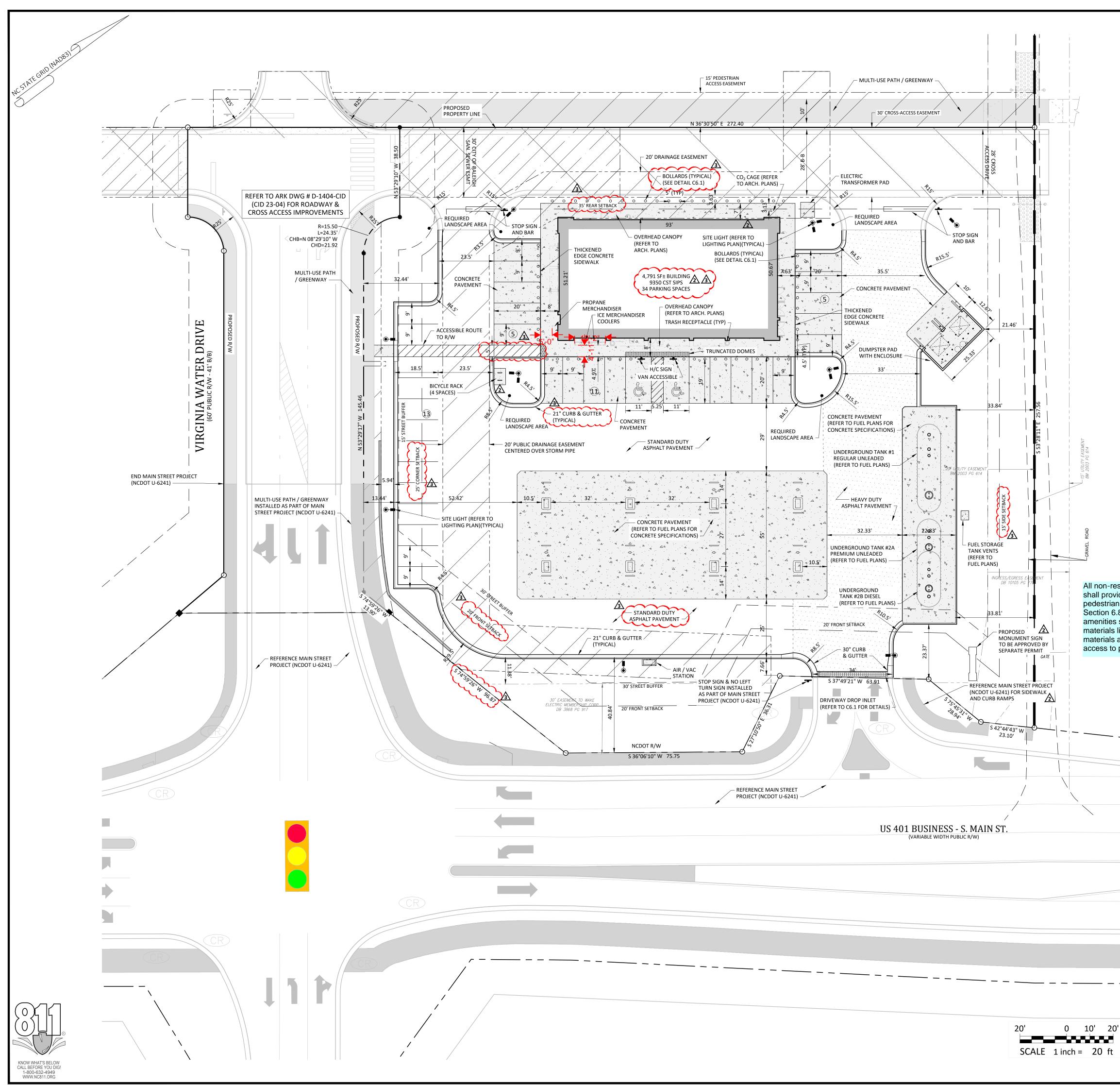
May 1, 2023

MIN LIN	IIMUM 10 GAUGE
NOTE: 1. USE SILT FEN DOES NOT FX	CE ONLY WHEN DRAINAGE AREA CEED 1/4 ACRE AND NEVER IN
AREAS OF CO 2. REMOVE SEDIM PROVIDE STOP	NCENTRATED FLOW. MENT DEPOSITED AS NEEDED TO RAGE VOLUME FOR THE NEXT RAIN OVE PRESSURE ON THE SILT
* WAKE	
COUNTY NORTH CAROLINA FECTIVE: 01/31/08	STA
	TOP OF SLT FENCE MUST BE AT LEAST 1 ABOVE THE TOP OF THE WASHED STONE STEEL FENCE POST WIRE FENCE HARDWARE CLOTH FILTER OF #57 WASHED STONE BURY WIRE FENCE AND HARDWARE CLOTH EFFECTIVE: 01/31/08

Project:	Wallb	rook									
ocation:	Rolesville, Wake County	γ, NC									
											E
Device		Add'l Flow	Disturbed	Тс	Intensity		Qreq	Up	Down	Length	W
ID	Device Type	(cfs)	Area (AC)	(min)	(in/hr)*	С	(cfs)	Invert	Invert	(ft)	
TDD-1	Temporary Diversion	0	0.50	5	7.18	0.5	1.80	395	391.5	176	
TDD-2	Temporary Diversion	0	0.37	5	7.18	0.5	1.33	395.5	391.5	205	



Base Vidth (ft)	Left Slope (x:1)	Right Slope (x:1)	Flow Depth (ft)	Manning's n	Slope (ft/ft)	Wetted Area (sf)	Wetted Perimeter (ft)	Hydraulic Radius (ft)	Velocity (ft/s)	Qa (cfs)	Qa>Qreq?	au (lbs/ft²)	Liner Type	Allowable Sheas Stress, $ au$ (lbs/ft 2)
1	3	3	0.97	0.020	0.01989	3.77	7.30	0.52	0.48	1.80	Yes	1.199097027	N. Am. Green; Straw; 1 nets	1.55
1		3	0.87	0.020	0.01951	3.17	7.25	0.44	0.42	1.33	Yes	1.065303643	N. Am. Green; Straw; 1 nets	1.55



General Notes:

- 1. THE FOLLOWING DOCUMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS SITE PLAN: ALTA/NSPS LAND TITLE SURVEY, PREPARED BY JOHNSON, MIRMIRAN & THOMPSON FOR WALLBROOK LANDCO, LLC,
- DATED REVISED MARCH 28, 2020 • "REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION - 7 ELEVEN AT
- WALLBROOK" PREPARED BY NV5 ENGINEERS AND CONSULTANTS, INC., DATED JULY 11, 2022 "REVISED WALLBROOK DEVELOPMENT TRAFFIC IMPACT ANALYSIS" PREPARED BY STANTEC CONSULTING SERVICES, INC., DATED AUGUST 11, 2020
- 2. ALL ACCESSIBLE PARKING SPACES SHALL BE CONSTRUCTED TO MEET, AT A MINIMUM, THE MORE STRINGENT OF THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT" (ADA) CODE OR THE REQUIREMENTS OF THE JURISDICTION WHERE THIS PROJECT IS TO BE CONSTRUCTED.
- 3. THIS PROPERTY IS LOCATED IN FLOOD ZONE 'X', AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP (FIRM) 3720175800K, EFFECTIVE DATE: JULY 19, 2022
- 4. PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED THE COMMENTS TO ALL PLANS AND OTHER DOCUMENTS REVIEWED AND APPROVED BY THE PERMITTING AUTHORITIES. CONTRACTOR SHALL HAVE COPIES OF ALL PERMITS AND APPROVALS ON SITE AT ALL TIMES.
- 5. THE OWNER / CONTRACTOR SHALL BE FAMILIAR WITH AND RESPONSIBLE FOR THE PROCUREMENT OF ANY AND ALL CERTIFICATIONS REQUIRED FOR THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- 6. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE REQUIREMENTS AND STANDARDS OF ALL GOVERNMENTAL ENTITIES HAVING JURISDICTION OVER THIS PROJECT. 7. THE GEOTECHNICAL REPORT AND RECOMMENDATIONS SET FORTH HEREIN ARE PART OF THE REQUIRED CONSTRUCTION DOCUMENTS, AND, IN CASE OF CONFLICT, SHALL TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY SUCH DISCREPANCY BETWEEN THE GEOTECHNICAL REPORTS AND PLANS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH ANY FURTHER WORK.
- 8. THESE PLANS ARE BASED ON INFORMATION PROVIDED TO ARK CONSULTING GROUP, PLLC BY THE OWNER AND OTHERS PRIOR TO THE TIME OF PLAN PREPARATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARK CONSULTING GROUP, PLLC IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK CONFLICTS WITH ANY OTHER ONSITE FEATURES.
- 9. ALL DIMENSIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS AND GRADES SHOWN INCORRECTLY ON THESE PLANS PRIOR TO THE GIVING OF SUCH NOTIFICATION AND THE ENGINEER'S WRITTEN AUTHORIZATION OF SUCH ADDITIONAL WORK.
- 10. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL / BUILDING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRY / EXIT POINTS, ELEVATIONS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY LOCATIONS.
- 11. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE BUILDING LAYOUT BY CAREFUL REVIEW OF THE SITE PLAN AND LATEST ARCHITECTURAL PLANS (INCLUDING, BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE SUPPRESSION PLAN, WHERE APPLICABLE). CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER, ARCHITECT AND SITE ENGINEER OF ANY DISCREPANCIES.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY NEW OR EXISTING CONSTRUCTION OR PROPERTY DURING THE COURSE OF CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB & GUTTER. CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE ALL SIGNAL INTERCONNECTION CABLE, WIRING CONDUITS, AND ANY UNDERGROUND ACCESSORY EQUIPMENT DAMAGED DURING CONSTRUCTION. THE REPAIR OF ANY SUCH NEW OR EXISTING CONSTRUCTION OR PROPERTY SHALL RESTORE SUCH CONNECTION OR PROPERTY TO A CONDITION EQUIVALENT TO OR BETTER THAN THE EXISTING CONDITIONS, AND IN CONFORMANCE WITH APPLICABLE CODES. CONTRACTOR IS RESPONSIBLE TO DOCUMENT ALL EXISTING DAMAGE AND NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION.
- 13. THE ENGINEER IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, NOR IS THE ENGINEER RESPONSIBLE FOR ANY CONFLICTS OR SCOPE REVISIONS WHICH RESULT FROM THE SAME. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE MEANS AND METHODS FOR COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

Impervious Area Calculations

Legend

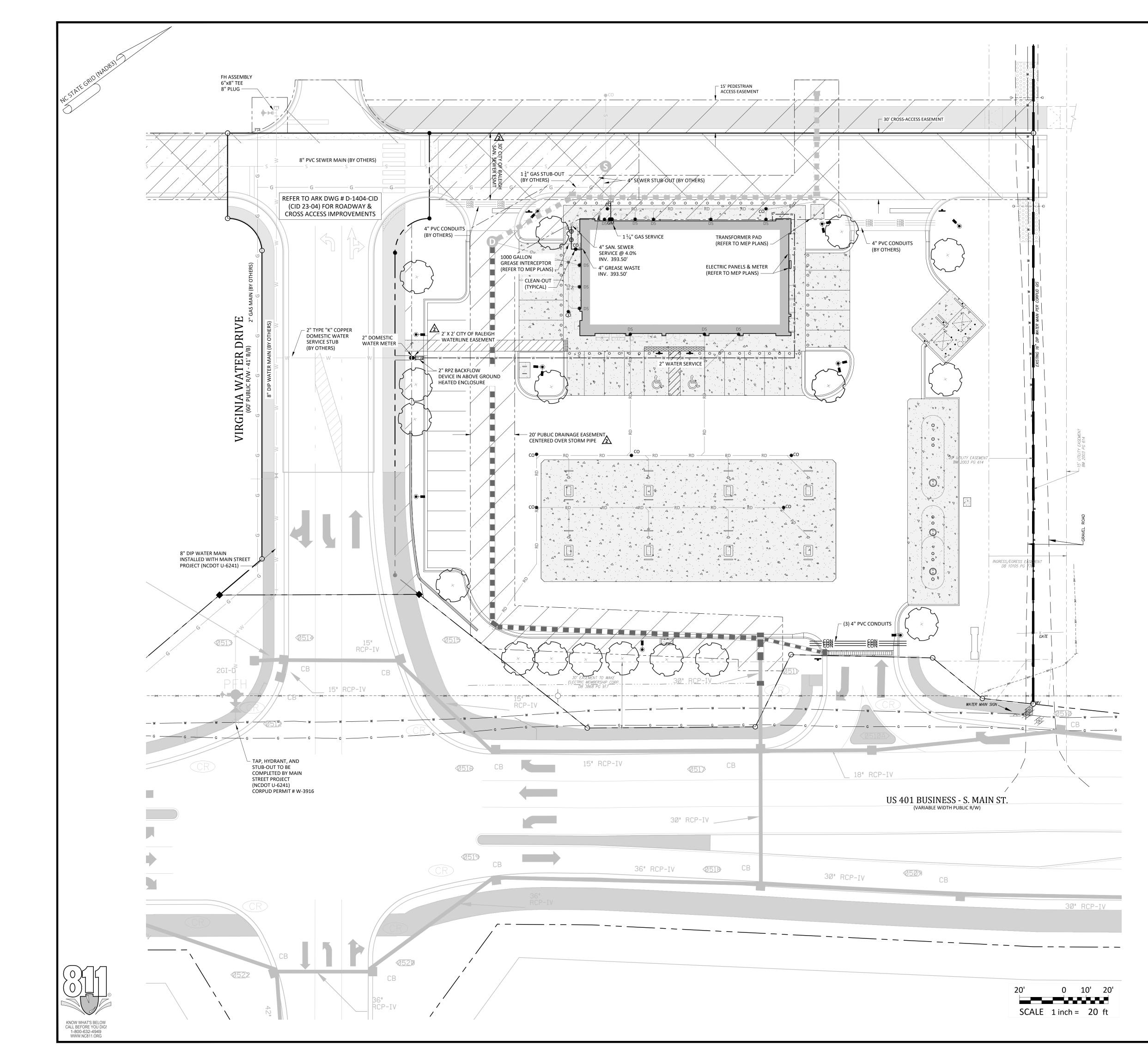
SITE LIMITED TO 85% IMPERVIOUS AREA AS ACCOUNTED FOR IN THE WALLBROOK STORMWATER MASTER PLAN PROPOSED BUILDING IMPERVIOUS AREA: 4730 SF

PROPOSED TRANSPORTATION IMPERVIOUS AREA:	47542 SF
PROPOSED TOTAL IMPERVIOUS AREA:	52272 SF
TOTAL SITE AREA:	70567 SF
ALLOWABLE IMPERVIOUS AREA (85%):	59982 SF
	•
PROPOSED IMPERVIOUS PERCENTAGE:	74.0 % 🛕

All non-residential developments shall provide at least four (4) pedestrian amenities per LDO Section 6.8.4.B.2. Pedestrian amenities shall be constructed of materials like the principal building materials and shall have direct access to public sidewalk network.

	EXISTING		PROPOSED
of ng	° P	= PROPERTY LINE	
rk.	P R/W C&C C C C C C C C C C C C C C C C C C	 PROPERTY LINE RIGHT OF WAY CURB AND GUTTER CABLE TV PEDESTAL DROP INLET ELECTRIC BOX ELECTRIC METER FIBER OPTIC FIRE HYDRANT GAS VALVE HAND BOX LIGHT POLE POWER POLE GUY WIRE REINFORCED CONCRETE PIPE SQUARE FEET (AREA) SIGN TRAFFIC SIGNAL POLE SANITARY SEWER MANHOLE SANITARY SEWER FORCE MAIN VA STORM DRAIN MANHOLE STORM DRAIN CATCH BASIN TELEPHONE PEDESTAL TRAFFIC BOX WATER METER WATER MANHOLE WATER MANHOLE WATER MANHOLE WATER MANHOLE WATER VALVE WELL 	
	E FM FO G	 PEDESTRIAN X-WALK POLE ELECTRIC LINE SANITARY SEWER FORCE MAIN FIBER OPTIC LINE GAS LINE OVERHEAD ELECTRIC LINE SANITARY SEWER LINE TELEPHONE LINE CABLE TV LINE WATER LINE FIRE LINE 8"Ø WATER LINE SPILL CURB FENCE RIPARIAN BUFFER TREELINE MAJOR CONTOUR (5') MINOR CONTOUR (1') TREE PROTECTION FENCE SILT FENCE CONCRETE SIDEWALK ACCESS AND UTILITY EASEMENT 	
		= HEAVY DUTY ASPHALT PAVEMENT	
		= TDD DRAINAGE AREA = SKIMMER BASIN DRAINAGE AREA	======





CORPUD Standard Utility Notes:

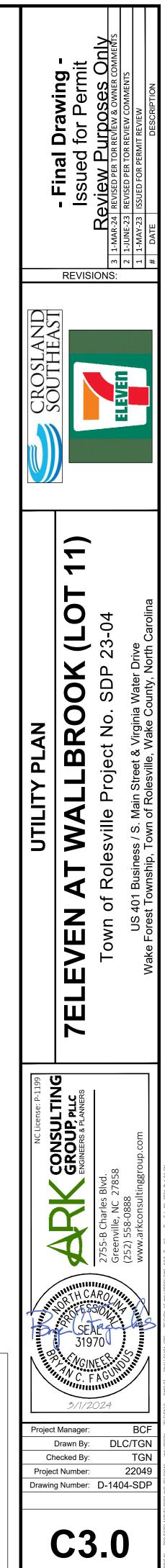
- 1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK)
- 2. UTILITY SEPARATION REQUIREMENTS:
- a) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATER SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
- b) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CONNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR.
- c) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATER MAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
- d) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER.
- e) MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATER MAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 24" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49).
- f) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
- 3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY CORPUD PRIOR TO CONSTRUCTION.
- 4. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO CORPUD.
- 5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
- 6. IT IS THE DEVELOPERS RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY CORPUD. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVIC FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
- 7. INSTALL PVC WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2' X 2' WATERLINE EASEMENT IMMEDIATELY ADJACENT.
- 8. INSTALL PVC SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM. 9. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI;
- BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.
- 10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS PRIOR TO CONSTRUCTION.
- 11. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.
- 12. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT TIM BEASLEY AT (919) 996-2334 OR TIMOTHY.BEASLEY@RALEIGHNC.GOV FOR MORE INFORMATION.
- 13. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NC. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION.
- 14. THE PROPOSED 2" RPZ SHALL BE APPROVED BY CROSS.CONNECTION@RALEIGHNC.GOV PRIOR TO ISSUANCE OF THE UTILITY CONNECTION PERMIT. PRIOR TO ISSUANCE OF THE UTILITY CONNECTION PERMIT.
- 15. THE PROPOSED GREASE INTERCEPTOR SHALL BE APPROVED BY FOG@RALEIGHNC.GOV PRIOR TO ISSUANCE OF THE LITULTY CONNECTION OF THE PRIOR TO ISSUANCE OF THE UTILITY CONNECTION PERMIT.

ATTENTION CONTRACTORS

The Construction Contractor responsible for the extension of water, sewer, and/or reuse, as approved in these plans, is responsible for contacting the Public Utilities Department at (919) 996-4540 at least twenty four hours prior to beginning any of their construction.

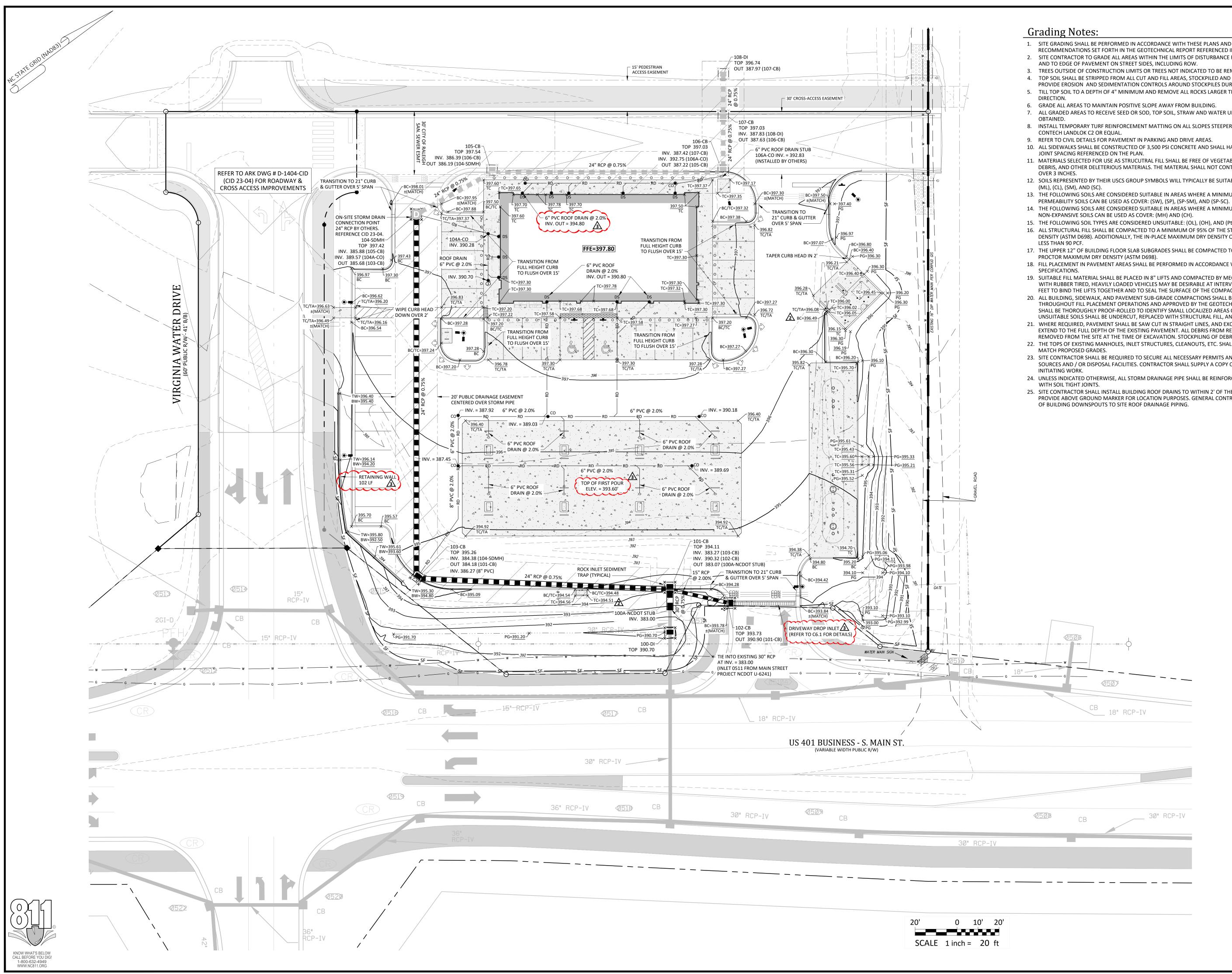
Failure to notify both City Departments in advance of beginning construction, will result in the issuance of *monetary fines*, and require reinstallation of any water or sewer facilities not inspected as a result of this notification failure.

Failure to call for Inspection, Install a Downstream Plug, have Permitted Plans on the Jobsite, or any other Violation of City of Raleigh Standards will result in a Fine and Possible Exclusion from future work in the City of Raleigh.

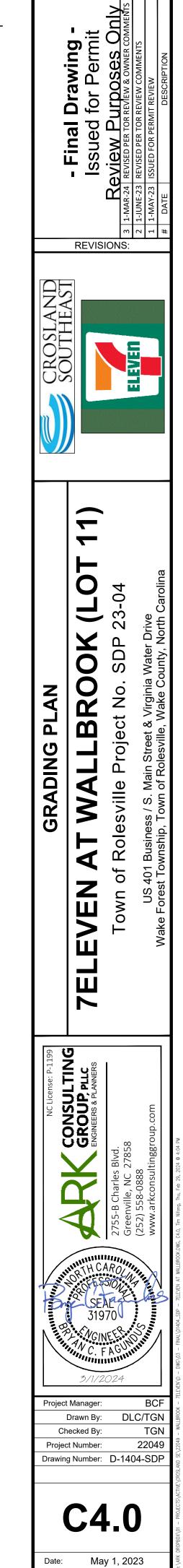


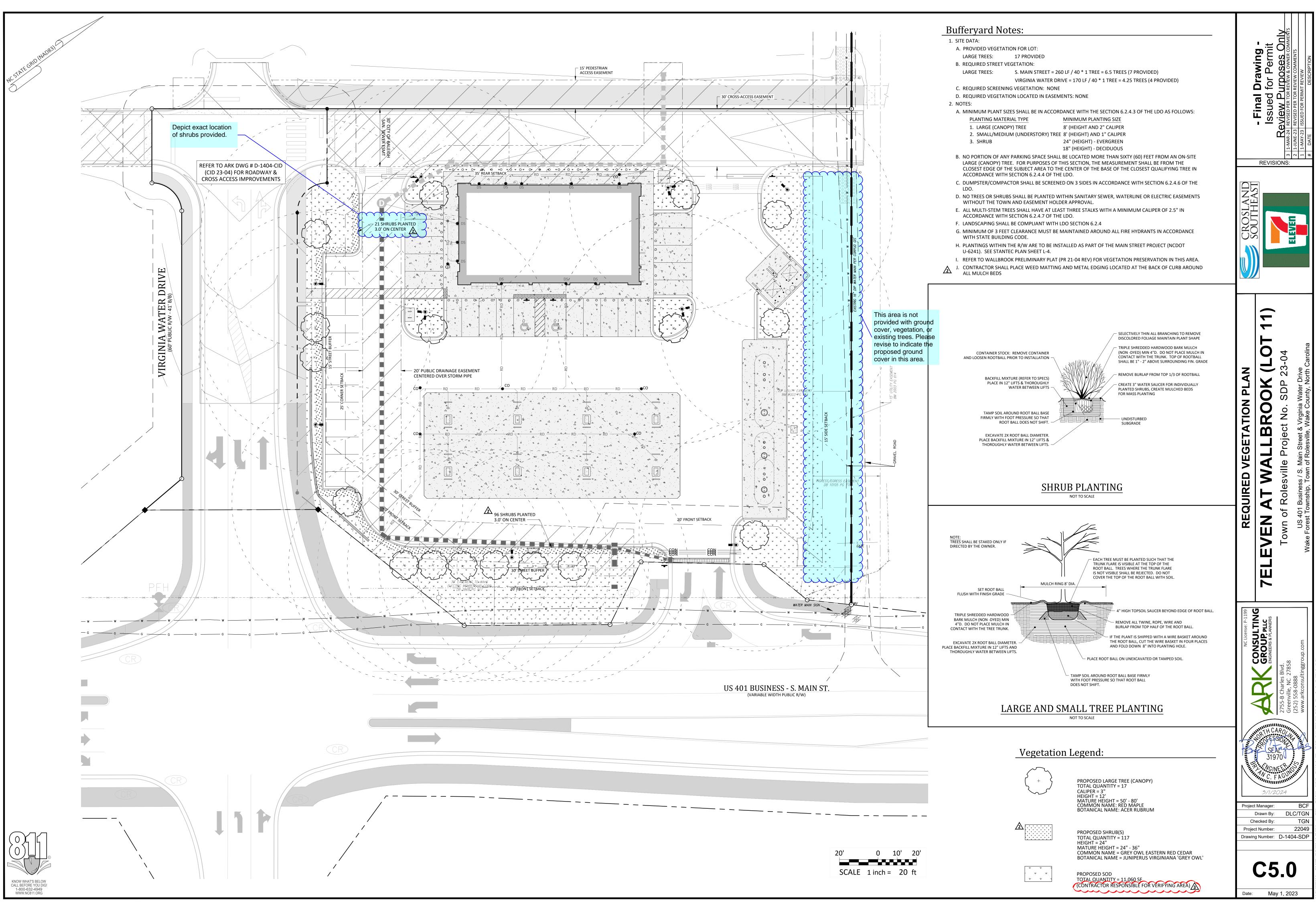
May 1, 2023

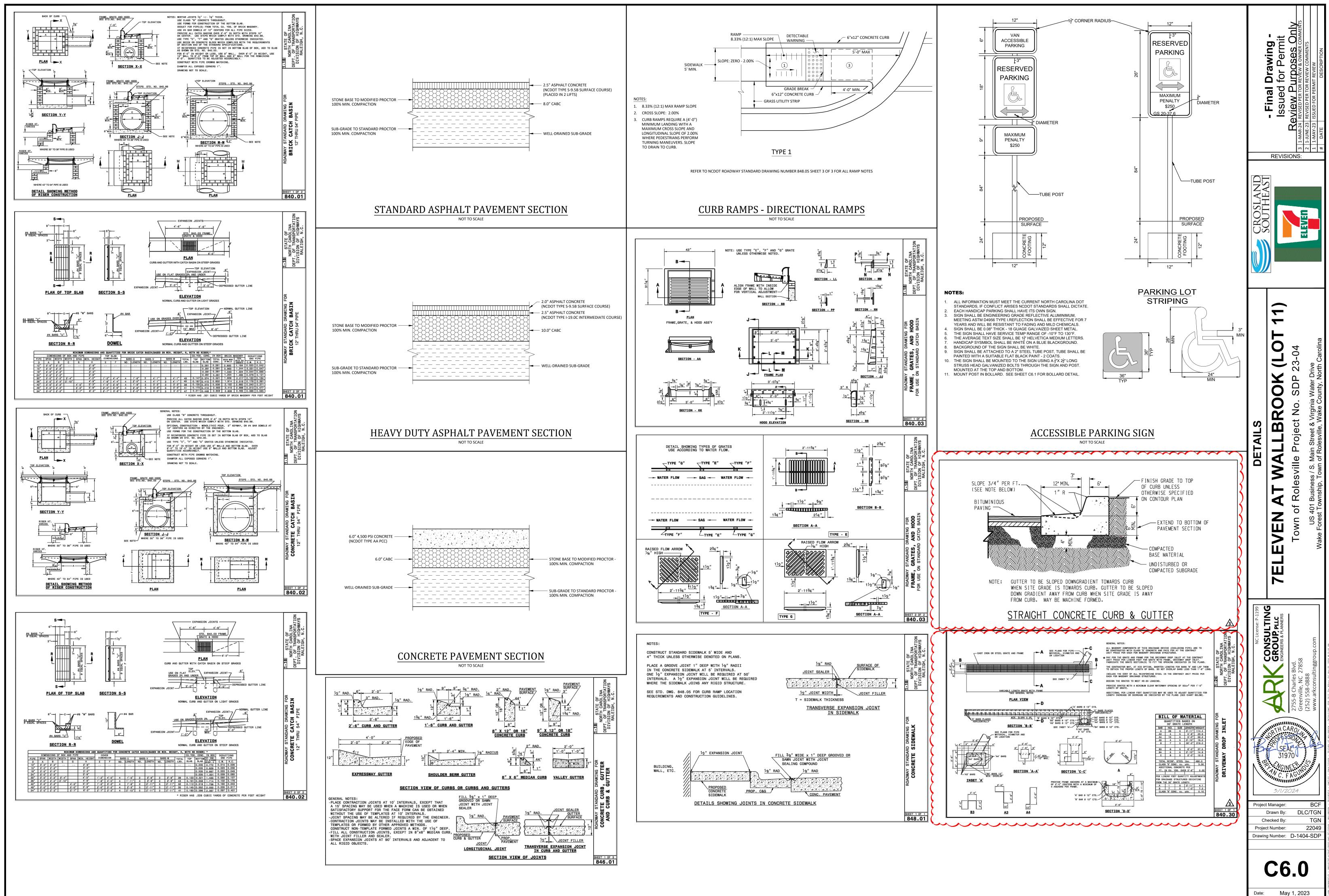
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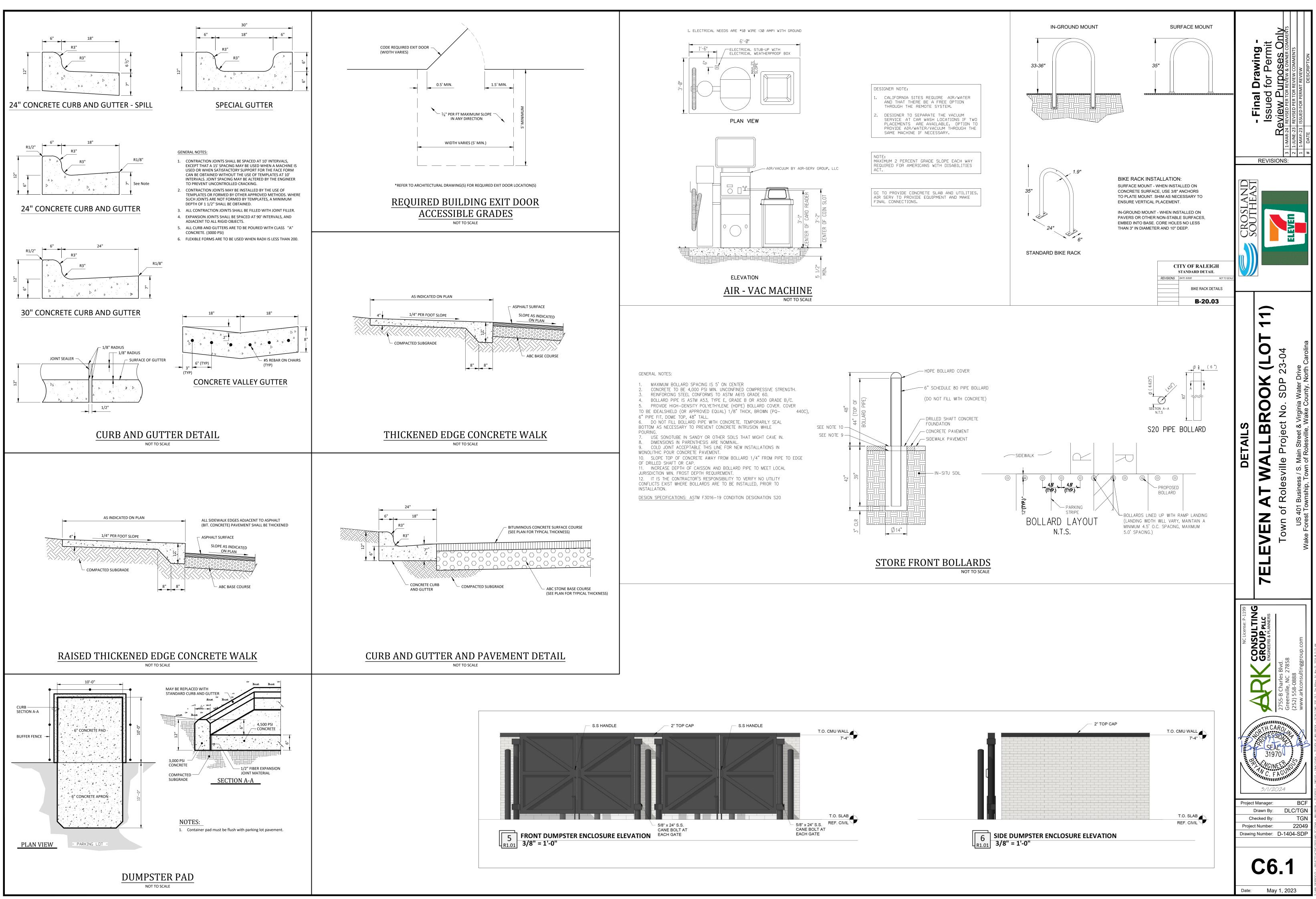


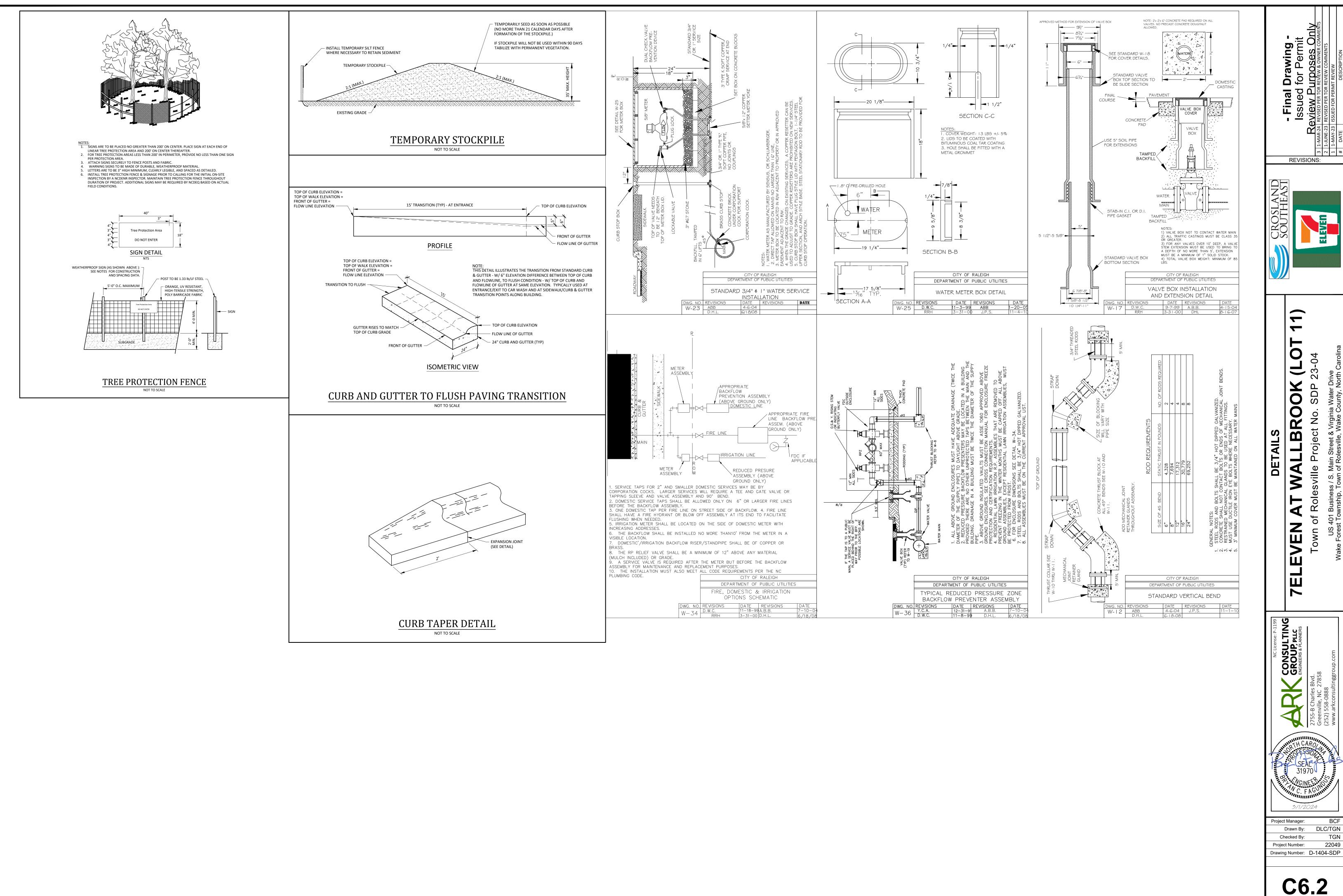
- 1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT REFERENCED IN THIS PLAN SET. 2. SITE CONTRACTOR TO GRADE ALL AREAS WITHIN THE LIMITS OF DISTURBANCE FROM BUILDING TO PROPERTY LINES
- AND TO EDGE OF PAVEMENT ON STREET SIDES, INCLUDING ROW. TREES OUTSIDE OF CONSTRUCTION LIMITS OR TREES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED.
- 4. TOP SOIL SHALL BE STRIPPED FROM ALL CUT AND FILL AREAS, STOCKPILED AND REDISTRIBUTED OVER GRADED AREAS. PROVIDE EROSION AND SEDIMENTATION CONTROLS AROUND STOCKPILES DURING CONSTRUCTION. 5. TILL TOP SOIL TO A DEPTH OF 4" MINIMUM AND REMOVE ALL ROCKS LARGER THAN 1" MEASURED IN LARGEST
- 6. GRADE ALL AREAS TO MAINTAIN POSITIVE SLOPE AWAY FROM BUILDING.
- 7. ALL GRADED AREAS TO RECEIVE SEED OR SOD, TOP SOIL, STRAW AND WATER UNTIL A HEALTHY STAND OF GRASS IS 8. INSTALL TEMPORARY TURF REINFORCEMENT MATTING ON ALL SLOPES STEEPER THAN 3:1. MATTING SHALL BE
- 9. REFER TO CIVIL DETAILS FOR PAVEMENT IN PARKING AND DRIVE AREAS.
- 10. ALL SIDEWALKS SHALL BE CONSTRUCTED OF 3,500 PSI CONCRETE AND SHALL HAVE TOOLED CONTROL JOINTS PER THE 11. MATERIALS SELECTED FOR USE AS STRUCUTRAL FILL SHALL BE FREE OF VEGETABLE MATTER, WASTE CONSTRUCTION
- DEBRIS, AND OTHER DELETERIOUS MATERIALS. THE MATERIAL SHALL NOT CONTAIN ROCKS HAVING A DIAMETER 12. SOILS REPRESENTED BY THEIR USCS GROUP SYMBOLS WILL TYPICALLY BE SUITABLE FOR USE AS STRUCTURAL FILL:
- 13. THE FOLLOWING SOILS ARE CONSIDERED SUITABLE IN AREAS WHERE A MINIMUM THICKNESS OF 3' OF LOW
- 14. THE FOLLOWING SOILS ARE CONSIDERED SUITABLE IN AREAS WHERE A MINIMUM THICKNESS OF 3' OF
- 15. THE FOLLOWING SOIL TYPES ARE CONSIDERED UNSUITABLE: (OL), (OH), AND (Pt).
- 16. ALL STRUCTURAL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698). ADDITIONALLY, THE IN-PLACE MAXIMUM DRY DENSITY OF STRUCTURAL FILL SHOULD BE NO
- 17. THE UPPER 12" OF BUILDING FLOOR SLAB SUBGRADES SHALL BE COMPACTED TO AT LEAST 98% OF THE STANDARD
- 18. FILL PLACEMENT IN PAVEMENT AREAS SHALL BE PERFORMED IN ACCORDANCE WITH NCDOT STANDARD
- 19. SUITABLE FILL MATERIAL SHALL BE PLACED IN 8" LIFTS AND COMPACTED BY MECHANICAL MEANS. PROOFROLLING WITH RUBBER TIRED, HEAVILY LOADED VEHICLES MAY BE DESIRABLE AT INTERVALS OF APPROXIMATELY 2 VERTICAL FEET TO BIND THE LIFTS TOGETHER AND TO SEAL THE SURFACE OF THE COMPACTED AREAS.
- 20. ALL BUILDING, SIDEWALK, AND PAVEMENT SUB-GRADE COMPACTIONS SHALL BE INTERMEDIATELY TESTED THROUGHOUT FILL PLACEMENT OPERATIONS AND APPROVED BY THE GEOTECHNICAL ENGINEER. ALL SUB-GRADES SHALL BE THOROUGHLY PROOF-ROLLED TO IDENTIFY SMALL LOCALIZED AREAS OF UNSUITABLE SOILS. ALL UNSUITABLE SOILS SHALL BE UNDERCUT, REPLACED WITH STRUCTURAL FILL, AND COMPACTED AS DESCRIBED ABOVE.
- 21. WHERE REQUIRED, PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES, AND EXCEPT FOR EDGE OF BUTT JOINTS, SHALL EXTEND TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS SHALL BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED. 22. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, CLEANOUTS, ETC. SHALL BE ADJUSTED, AS REQUIRED, TO
- 23. SITE CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR OFF SITE MATERIAL SOURCES AND / OR DISPOSAL FACILITIES. CONTRACTOR SHALL SUPPLY A COPY OF APPROVALS TO OWNER PRIOR TO
- 24. UNLESS INDICATED OTHERWISE, ALL STORM DRAINAGE PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) CLASS III
- 25. SITE CONTRACTOR SHALL INSTALL BUILDING ROOF DRAINS TO WITHIN 2' OF THE BUILDING EXTERIOR WALL, CAP AND PROVIDE ABOVE GROUND MARKER FOR LOCATION PURPOSES. GENERAL CONTRACTOR IS RESPONSIBLE FOR TIE-INS

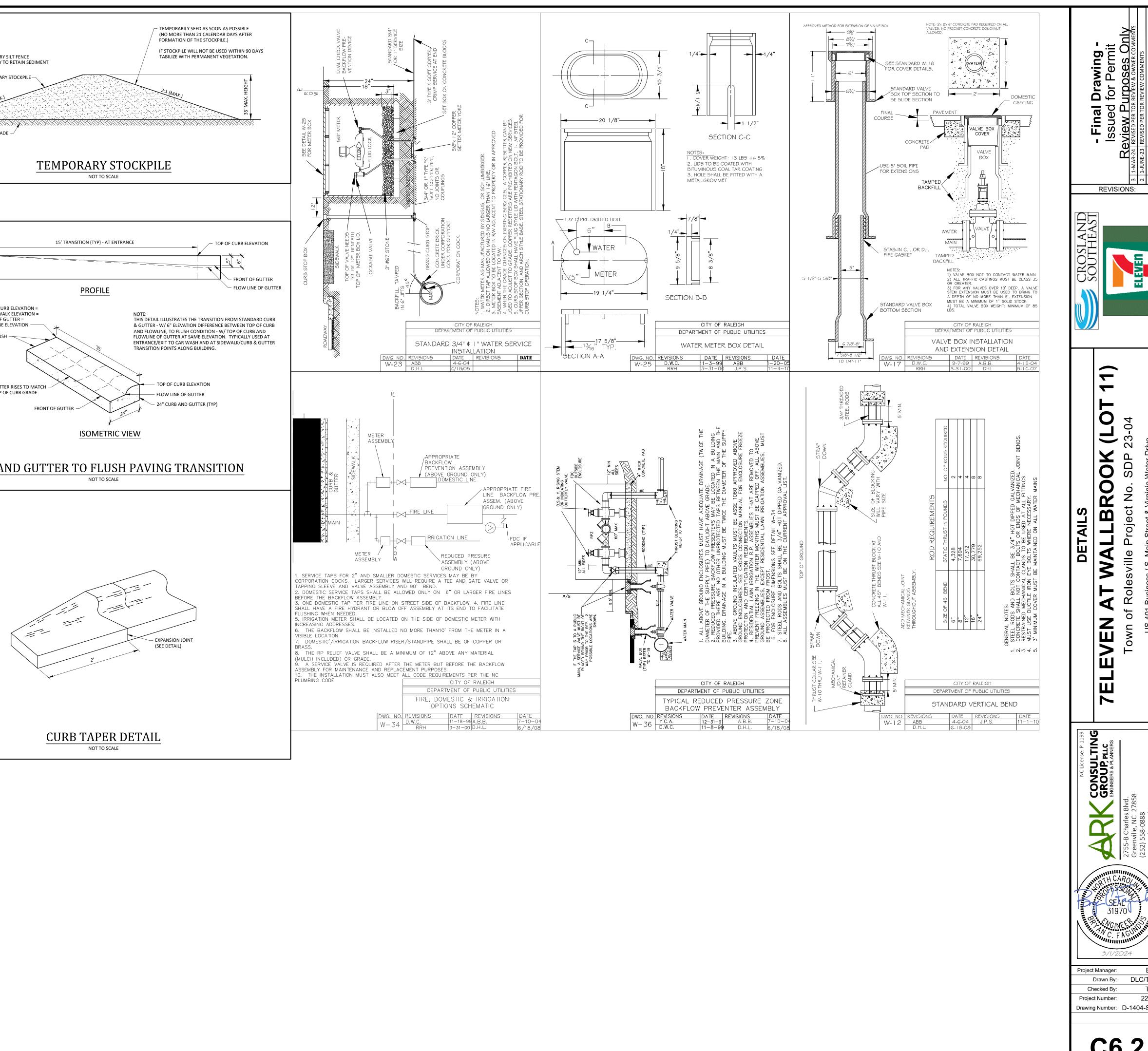






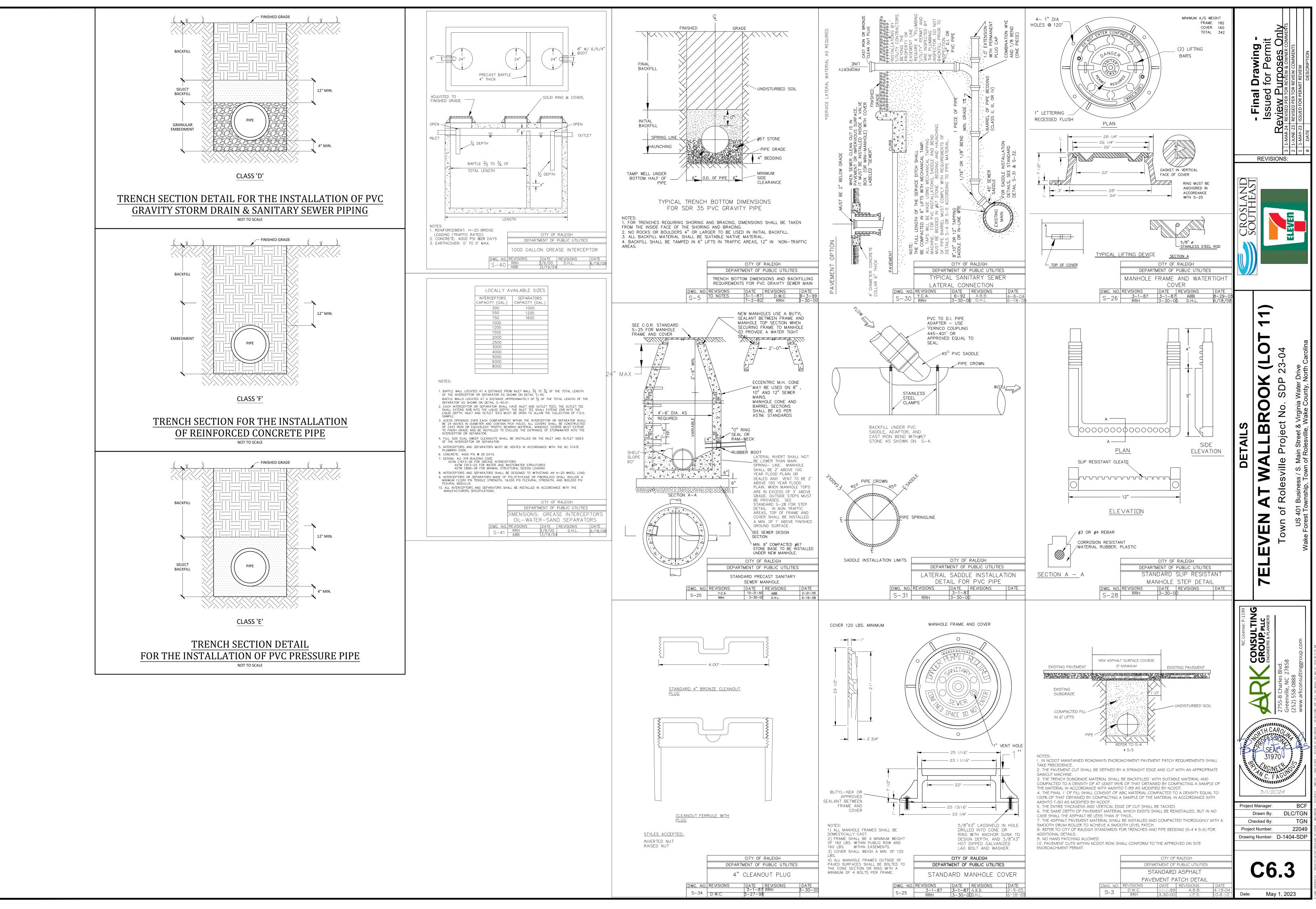






May 1, 2023

Date:



GENERAL NOTES:

- 1. THIS ALTA/NSPS LAND TITLE SURVEY WAS PREPARED FOR THE BENEFIT OF WALLBROOK LANDCO, LLC, ITS SUCCESSORS AND/OR ASSIGNS AS THEIR INTERESTS MAY APPEAR, AND INVESTORS TITLE INSURANCE COMPANY.
- 2. THE PROPERTY AS SHOWN HEREON IS BASED ON A FIELD-RUN BOUNDARY SURVEY WITH A RAW CLOSURE OF 1:35,900.
- 3. THE IMPROVEMENTS SHOWN HEREON ARE BASED ON A FIELD-RUN PLANIMETRIC SURVEY PERFORMED BY JOHNSON, MIRMIRAN & THOMPSON FROM MARCH 16 THROUGH MARCH 19, 2020 AND REFLECTS SITE CONDITIONS AS OF THAT DATE.
- 4. ELEVATIONS ARE BASED ON NAVD88 DATUM.
- 5. THE SURVEY IS REFERENCED TO THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM (NCSPCS), NORTH AMERICAN DATUM, 1983, 2001 ADJUSTMENT, NAD83(2001).
- 6. THE USE OF THE WORD CERTIFY OR CERTIFICATION CONSTITUTES AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THOSE FACTS OR FINDINGS WHICH ARE THE SUBJECT OF THE UNDERSIGNED PROFESSIONAL'S KNOWLEDGE, INFORMATION AND BELIEF, AND IN ACCORDANCE WITH THE COMMONLY ACCEPTED PROCEDURE CONSISTENT WITH THE APPLICABLE STANDARDS OF PRACTICE AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE EITHER EXPRESSED OR IMPLIED.
- 7. THE SUBJECT PROPERTY IS LOCATED IN FLOOD ZONE X, AREA OF MINIMAL FLOODING, AS SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP (FIRM), WAKE COUNTY, NORTH CAROLINA, PANEL 1758, MAP NO. 3720175800J, EFFECTIVE DATE: MAY 2, 2006.

GROUND RIM.

LOT 166

MDDLFEO

RINNCLE

6' CHAIN

LINK FENCE

510

50

7.60

 \triangle N = 785,290.77

E = 2,153,833.19

5/

Q

- 8. AT THE TIME OF THE SURVEY, THERE WERE NO PARKING SPACES.
- 9. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF THE SITE BEING USED AS A SOLID WASTE DUMP, SUMP OR LANDFILL.
- 10. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF A CEMETERY.
- 11. AT THE TIME OF THE SURVEY, THERE WAS NO OBSERVABLE EVIDENCE OF BUILDING CONSTRUCTION OR BUILDING ADDITIONS.
- 12. CURRENT ZONING: I-SUD (INDUSTRIAL SPECIAL USE DISTRICT)

SETBACK REQUIREMENTS:

FRONT: 30' SIDE: 15' CORNER: 25' REAR: 35'

MATCH

(ZONING INFORMATION BASED ON INFORMATION AS SUPPLIED BY CURRENT COUNTY ZONING DEPARTMENT, NO ZONING REPORT OR LETTER WAS PROVIDED TO SURVEYOR AT TIME OF SURVEY.

RECORD LEGAL DESCRIPTION

PER INVESTORS TITLE INSURANCE COMPANY, TITLE COMMITMENT NO. 202000244CA2, WITH AN EFFECTIVE DATE OF MARCH 6, 2020 AT 5:00 P.M .:

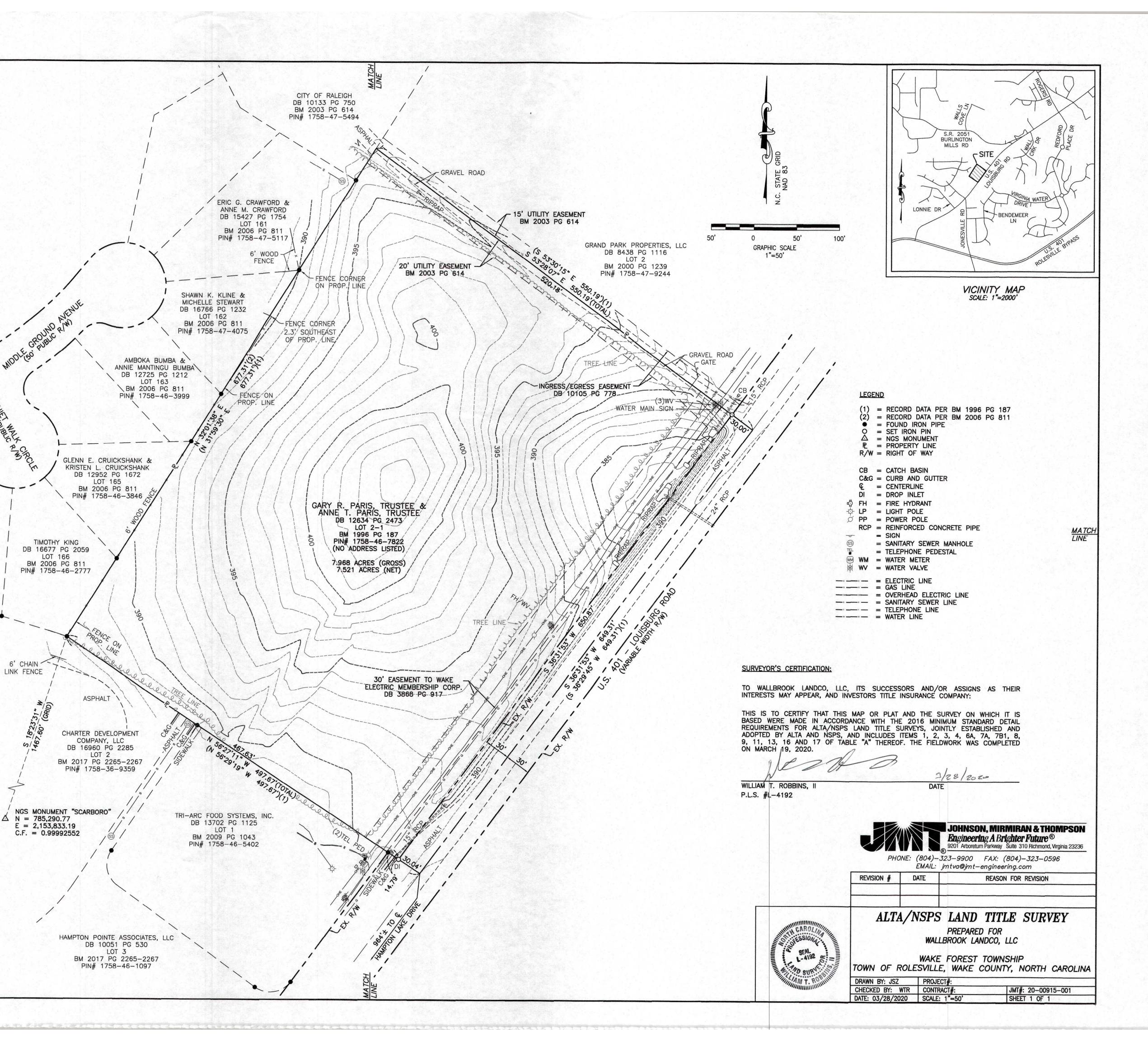
IN THE STATE OF NC, COUNTY OF WAKE,

BEING ALL OF LOT 2-1 OF THAT PLAT ENTITLED "PRELIMINARY SUBDIVISION PLAT AND RECOMBINATION SURVEY FOR TOMMY TWITTY," A COPY OF WHICH IS RECORDED IN BOOK OF MAPS 1996, PAGE 187. WAKE COUNTY REGISTRY.

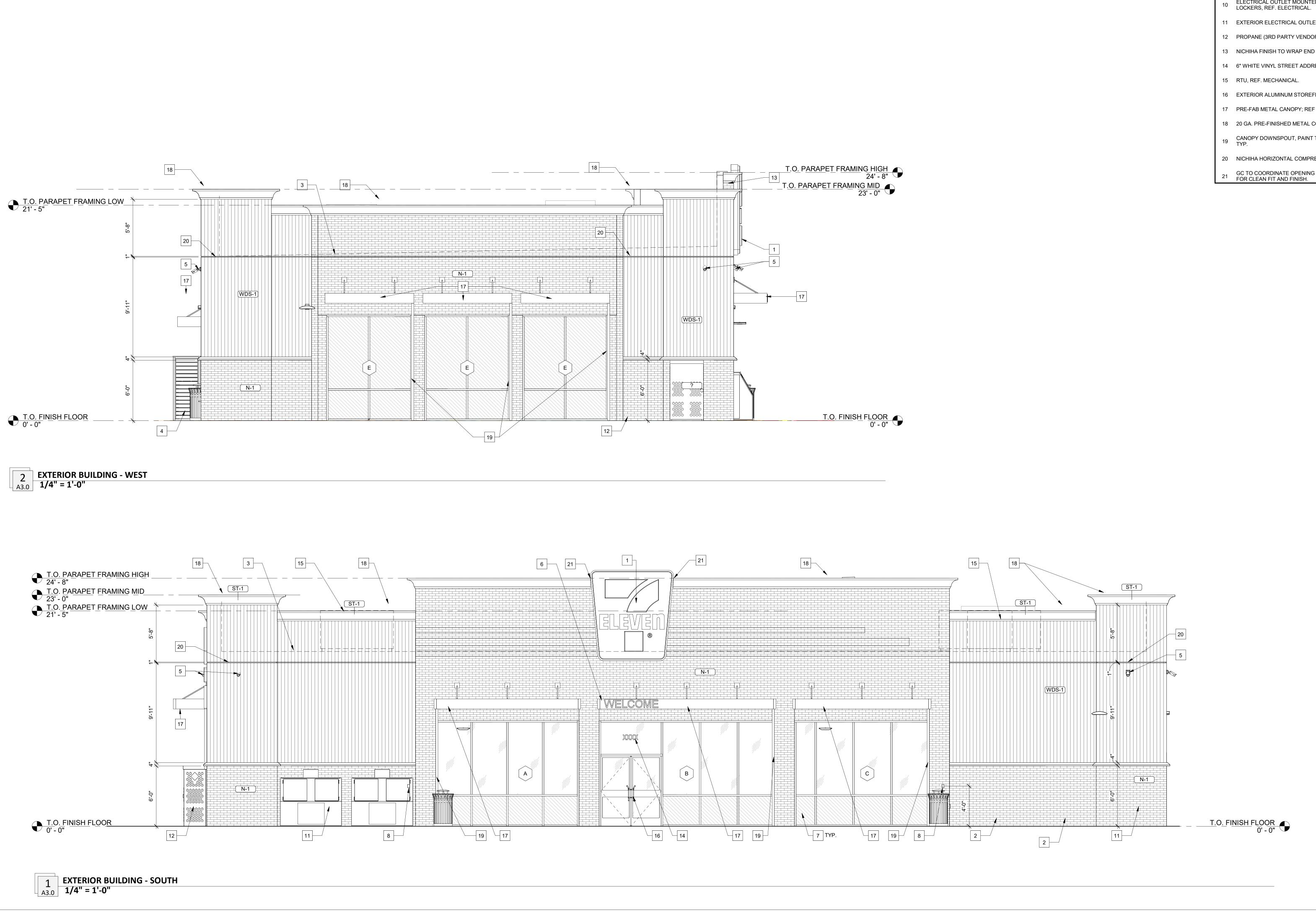
SCHEDULE B. PART II EXCEPTIONS:

PER INVESTORS TITLE INSURANCE COMPANY, TITLE COMMITMENT NO. 202000244CA2, WITH AN EFFECTIVE DATE OF MARCH 6, 2020 AT 5:00 P.M .:

- 1. (ITEM 3) EASEMENT(S) AND/OR RIGHT(S) OF WAY TO CITY OF RALEIGH RECORDED IN BOOK 10105 AT PAGE 778. [PLOTTED HEREON]
- 2. (ITEM 4) EASEMENT(S) AND/OR RIGHT(S) OF WAY TO WAKE ELECTRIC MEMBERSHIP CORPORATION RECORDED IN BOOK 3868 AT PAGE 917. [PLOTTED HEREON]
- 3. (ITEM 5) TITLE TO THAT PORTION OF THE LAND WITHIN THE RIGHT-OF-WAY OF U.S. HIGHWAY 401 (LOUISBURG ROAD). [PLOTTED HEREON]
- 4. (ITEM 6) MATTERS SHOWN ON RECORDED BOOK OF MAPS 1996 AT PAGE 187 SHOWS THE FOLLOWING LOCATED ON THE LAND:
- (a) OVERHEAD LINE [PLOTTED HEREON]
- (b) POWER POLE [PLOTTED HEREON]
- (c) RIGHT OF WAY FOR U.S. HIGHWAY 401 (LOUISBURG ROAD) [PLOTTED HEREON]







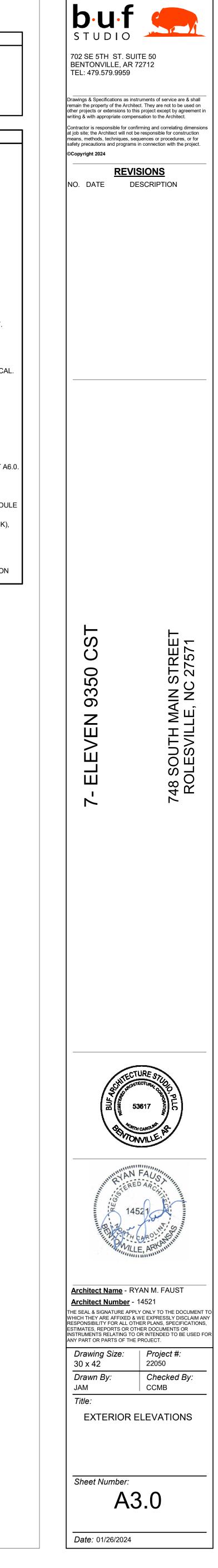
GENERAL NOTES SIGNAGE UNDER SEPARATE PERMIT AND SHOWN FOR GENERAL

REFERENCE AND COORDINATION PURPOSED ONLY. REFER TO APPROVED SIGNAGE DRAWINGS BY SIGNAGE COMPANY.

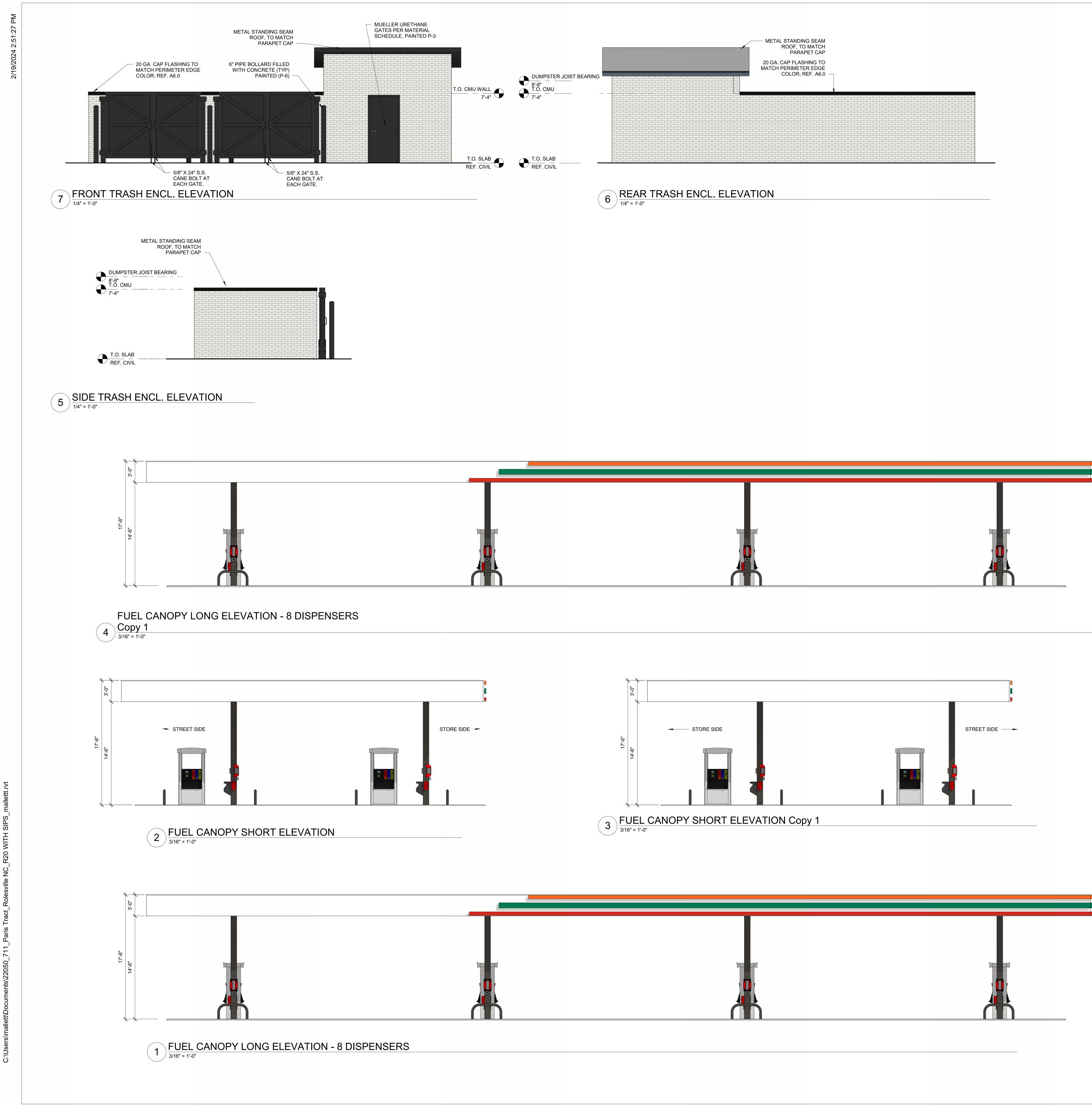
CONTRACTOR TO SUPPLY REQUIRED POWER AND CONNECTION TO ALL SIGNAGE. COORDINATE WITH SIGNAGE COMPANY.

KEYNOTES

- INTERNALLY ILLUMINATED SIGNAGE BY SIGNAGE VENDOR. PROVIDE BLOCKING AS REQUIRED FOR THRU-BOLT CONNREFECTIONS. REF. ELECTRICAL FOR POWER REQUIREMENTS.
- ICE MERCHANDISER (3RD PARTY VENDOR). UNIT SHALL NOT BLOCK STOREFRONT. UNIT PLACED AGAINST WALL.
- 3 ROOF LINE BEYOND, TYP.
- 4 CO2 TANK/CAGE
- SECURITY CAMERA, REF. ELECTRICAL LOW VOLTAGE PLAN FOR ADDITIONAL INFORMATION.
- 6 VINYL SIGNAGE BY SIGNAGE VENDOR.
- 7 3M WINDOW FILM AT LEAN BAR, REF. EQ SHEETS.
- 8 EMERGENCY SHUT-OFF FOR FUEL DISPENSERS MOUNTED AT 48" A.F.F.
- ELECTRICAL OUTLET MOUNTED AT 40" A.F.F. FOR FUTURE AMAZON
- 11 EXTERIOR ELECTRICAL OUTLET MOUNTED AT 24" A.F.F., REF. ELECTRICAL.
- 12 PROPANE (3RD PARTY VENDOR)
- 13 NICHIHA FINISH TO WRAP END OF PARAPET WALL.
- 14 6" WHITE VINYL STREET ADDRESS, REF. SHEET EQ1.0.
- 16 EXTERIOR ALUMINUM STOREFRONT DOOR & FRAME, TYP., REF. SHEET A6.0.
- 17 PRE-FAB METAL CANOPY; REF TO EXTERIOR FINISH SCHEDULE
- 18 20 GA. PRE-FINISHED METAL COPING, REF. TO EXTERIOR FINISH SCHEDULE
- 19 CANOPY DOWNSPOUT, PAINT TO MATCH CANOPY FINISH (MATTE BLACK), TYP.
- 20 NICHIHA HORIZONTAL COMPRESSION JOINT
- GC TO COORDINATE OPENING IN CORNICE WITH SIGNAGE INSTALLATION FOR CLEAN FIT AND FINISH.







	E		IATERIALS SC	HEDULE
CODE	DESCRIPTION	COLOR	MANUFACTURER	MODEL
-IBER	CEMENT PANEL	•	•	·
-C-2	FIBER CEMENT PANELS - VINTAGE BRICK		NICHIHA	SHALE BROWN
	FIBER CEMENT PANELS - VINTAGE BRICK		NICHIHA	AWP 3030
ETAL				
	PRE-FINISHED ALUMINUM CANOPY	MATTE BLACK	MAPES ARCHITECTURAL CANOPIES	MAPES LUMINSHADE CANOPY
PAINT				
-1	EXTERIOR UTILITIES	PURE WHITE	SHERWIN WILLIAMS	SW7005
P- 3			SHERWIN WILLIAMS	
OOFI	NG	·		
R-1	MEMBRANE ROOFING SYSTEM	WHITE	DURO-LAST	WHITE 40MIL SINGLE-PLY PVC ROOFING MEMBRANE
TORE	FRONT			
	ALUMINUM STOREFRONT FRAMING	#29 BLACK	KAWNEER	451T VG



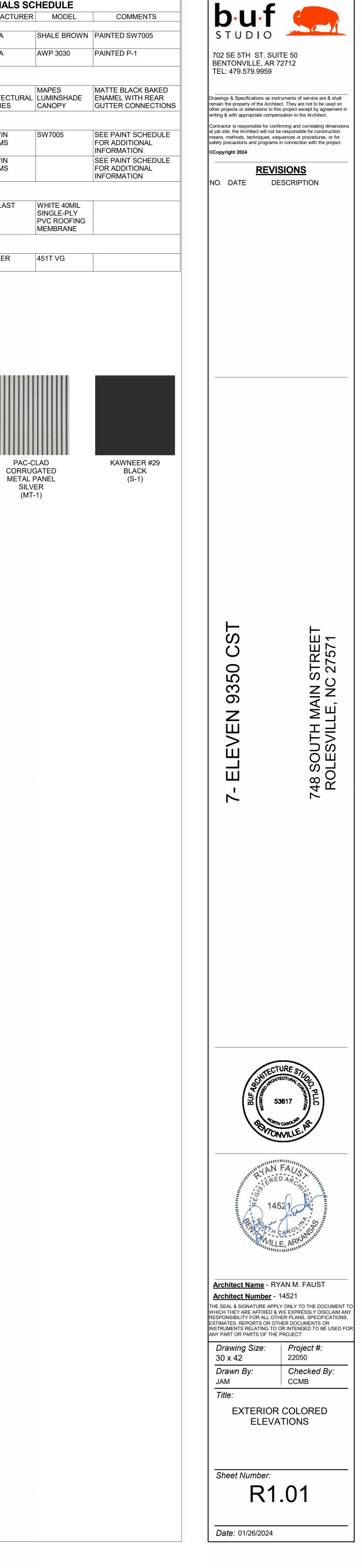




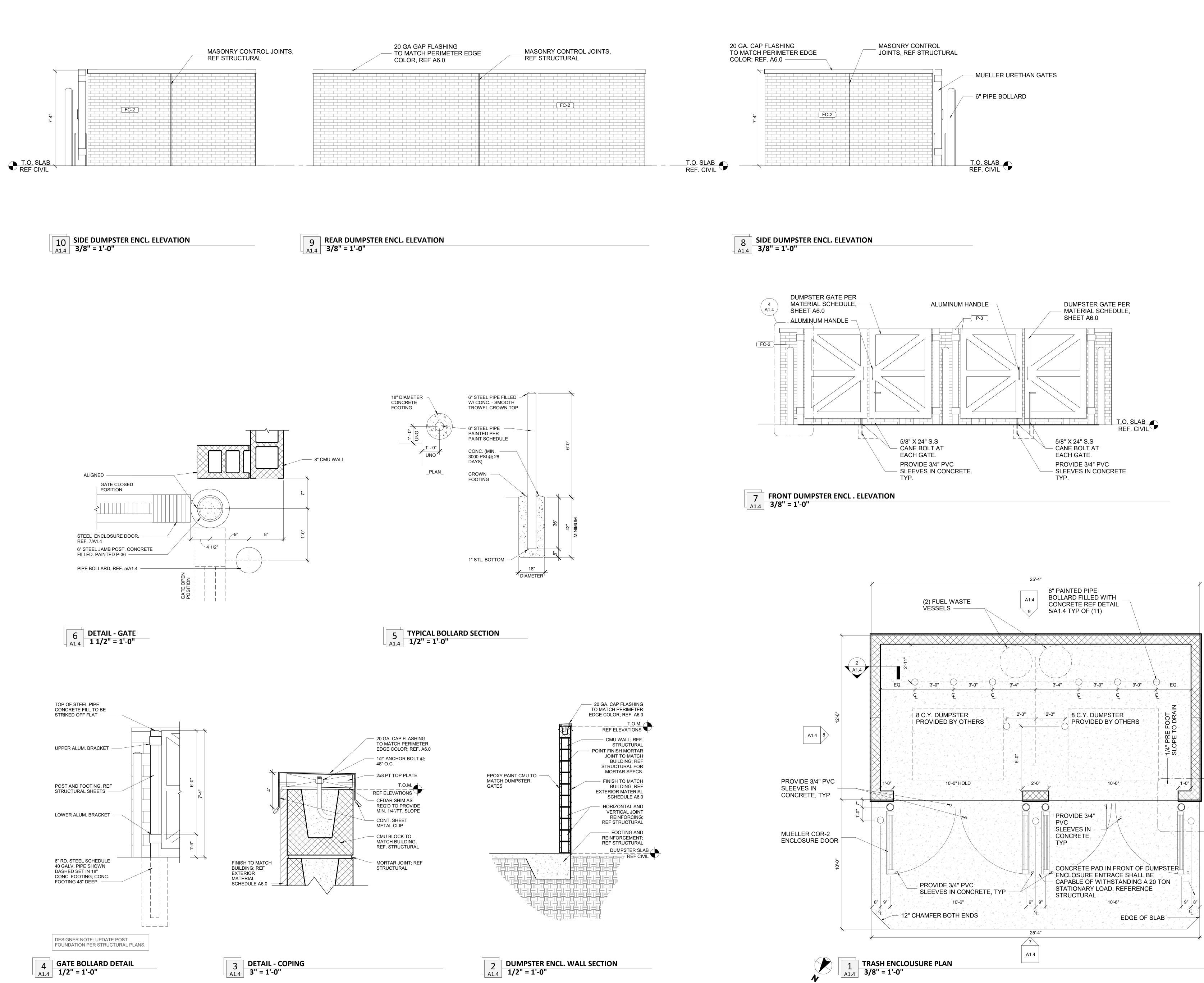


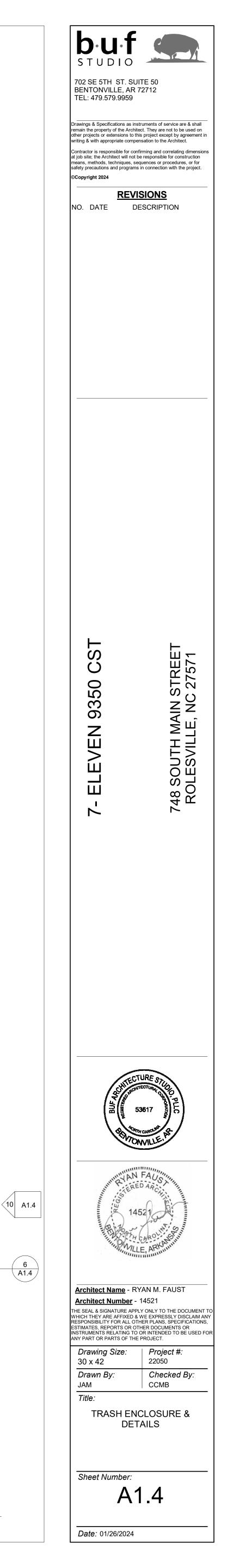
PVC ROOFING

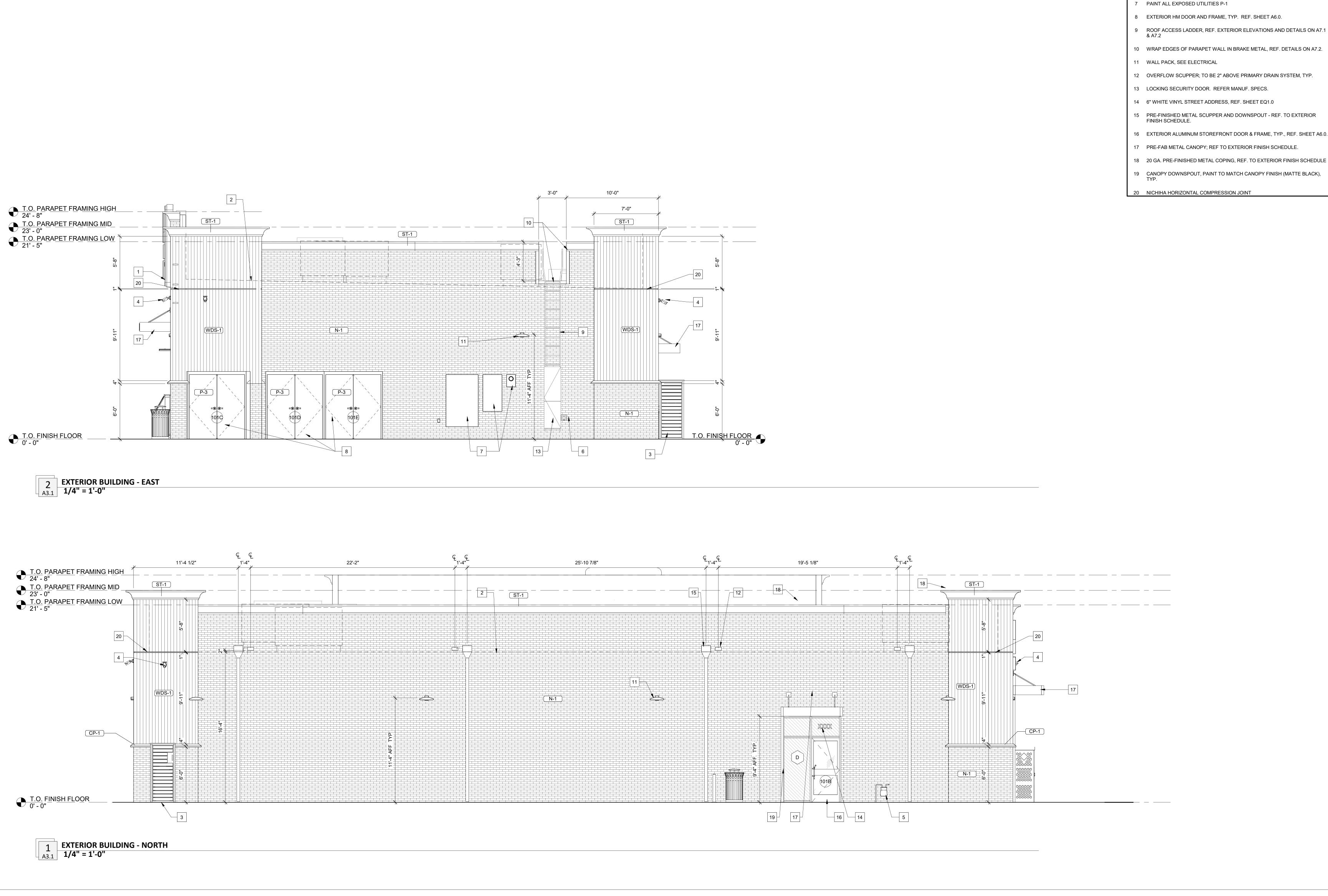
BLACK (S-1)











GENERAL NOTES

SIGNAGE UNDER SEPARATE PERMIT AND SHOWN FOR GENERAL REFERENCE AND COORDINATION PURPOSED ONLY. REFER TO

APPROVED SIGNAGE DRAWINGS BY SIGNAGE COMPANY. CONTRACTOR TO SUPPLY REQUIRED POWER AND CONNECTION TO ALL SIGNAGE. COORDINATE WITH SIGNAGE COMPANY.

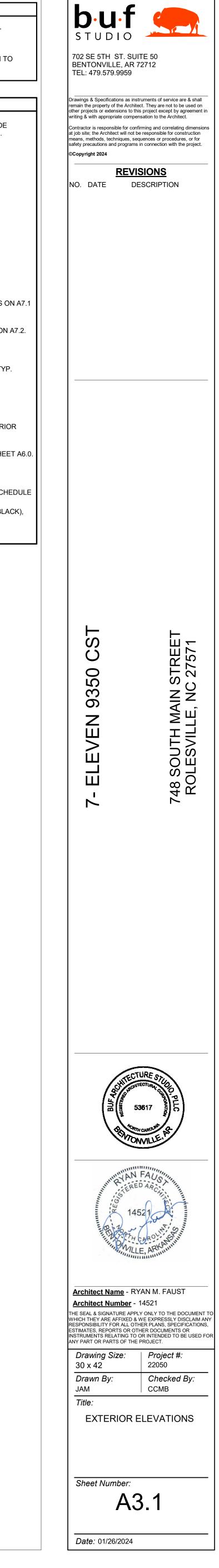
KEYNOTES

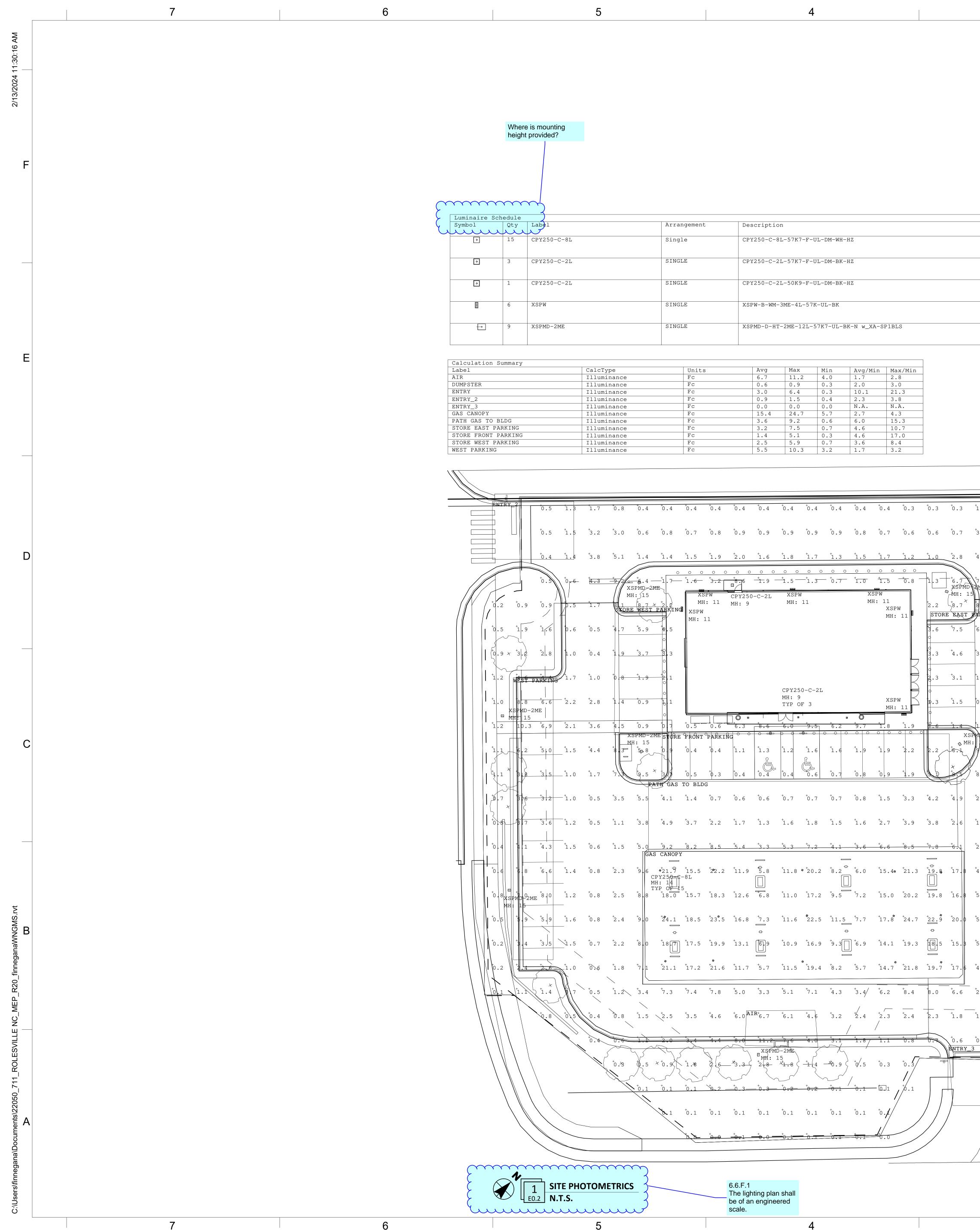
- INTERNALLY ILLUMINATED SIGNAGE BY SIGNAGE VENDOR. PROVIDE BLOCKING AS REQUIRED FOR THRU-BOLT CONNREFECTIONS. REF.
- ELECTRICAL FOR POWER REQUIREMENTS.
- 2 ROOF LINE BEYOND, TYP.
- 3 CO2 TANK/CAGE
- 4 SECURITY CAMERA, REF. ELECTRICAL LOW VOLTAGE PLAN FOR ADDITIONAL INFORMATION.

5 GAS METER.

- 6 HOSE BIB, REF. PLUMBING.
- 7 PAINT ALL EXPOSED UTILITIES P-1
- 8 EXTERIOR HM DOOR AND FRAME, TYP. REF. SHEET A6.0.
- 9 ROOF ACCESS LADDER, REF. EXTERIOR ELEVATIONS AND DETAILS ON A7.1
- 10 WRAP EDGES OF PARAPET WALL IN BRAKE METAL, REF. DETAILS ON A7.2.
- 11 WALL PACK, SEE ELECTRICAL
- 12 OVERFLOW SCUPPER; TO BE 2" ABOVE PRIMARY DRAIN SYSTEM, TYP.
- 13 LOCKING SECURITY DOOR. REFER MANUF. SPECS.
- 14 6" WHITE VINYL STREET ADDRESS, REF. SHEET EQ1.0
- 15 PRE-FINISHED METAL SCUPPER AND DOWNSPOUT REF. TO EXTERIOR
- 16 EXTERIOR ALUMINUM STOREFRONT DOOR & FRAME, TYP., REF. SHEET A6.0.
- 17 PRE-FAB METAL CANOPY; REF TO EXTERIOR FINISH SCHEDULE.

20 NICHIHA HORIZONTAL COMPRESSION JOINT





				⁺ 0.5	⁺ 1.5	⁺ 3.2	⁺ 3.0	⁺ 0.6	⁺ 0.8	⁺ 0.7	⁺ 0.8	+ 0.9	⁺ 0.9	⁺ 0.9	⁺ 0.9	⁺ 0.9	⁺ 0.8	⁺ 0.7	⁺ 0.6	⁺ 0.6	⁺ 0.7
]		⁺ 0.4	⁺ 1.4	⁺ 3.8	⁺ 5.1	1.4	⁺ 1.4	⁺ 1.5	1.9	⁺ 2.0	⁺ 1.6	⁺ 1.8	1.7	1.3	1.5	⁺ 1.7	⁺ 1.2	⁺ 1.0	⁺ 2.8
				+0.5	⁺ 0, 6-	4.3	111	-+ .4 .SPMD-3 			0 0 0 - ⁺ 3.2 		<u>+</u> - <u>1</u> .9	0 0 	⁺ 1.3	0 0 - ⁺ 0.7	0 0 +1.0 X		<u> </u>	1.3	+6.7 XSPMD -MH: 15
K	+(0.2	⁺ 0.9	⁺ 0.9	/ / / / p.5	⁺ 1.7	8 1	8.7		M	H: 11 N	MH: 9	J-C-2L	MH:			М	H: 11 XSP MH:		⁺ 2.2	E EAST
		0.5	⁺ 1.9	⁺ 1,.6	0.6	⁺ 0.5	4.7	⁺ 5.9	Φ.5 0		± ±									9.6 0	⁺ 7.5
) 0.9 ×	⁺ 3	⁺ 2.8	1.0	⁺ 0.4	⁺ 1 . 9	*3.7	*0 3.3 0											0 3.3 0	⁺ 4.6
	+	1.2	HEST	PARKIN	1.7	⁺ 1.0	+0 8	<u>+</u> 1.9	0 2.1 0					CPY2F	50-C-2L				R	2.3	⁺ 3.1
	+		8.8 5PMD-		⁺ 2.2	⁺ 2.8	⁺ 1 • 4	0.9	0 					MH: 9 TYP C)			XSP MH:		₽.3 •	⁺ 1.5
		□ <u>M</u> 1.2	10.3	⁺ 6.9	⁺ 2.1	⁺ 3.6	⁺ 4.5	⁺ 0.9		+0.5	0.6		- - - - - - - - - - - - - - - - - - -		<u>+</u> 9.5 -	• 6.2	9.7	 1.8	1.9	- <u>₽</u> -6	<u>+</u> 1.4 T XSP
		1.1	6.2	⁺ 5.0	⁺ 1.5	⁺ 4.4		IH: 15 ↓ 5 8		+0.4	• • • • • • • • • • • • • •	NG 1.1	+1.3	⁺ 1.2	⁺ 1.6	⁺ 1.6	⁺ 1.9	⁺ 1.9	⁺ 2.2	2.2	* MH:
		4.1 X	3 8	⁺ 3 5	⁺ 1.0	⁺ 1.7	+7.3		× 3			0.4	+ 0.4	[*] ⁺ 0.4	0.6	⁺ 0.7	⁺ 0.8	⁺ 0 • 9	⁺ 1.9	A.S.	+
		Ø.7 ×	36	+3.2	⁺ 1.0	⁺ 0.5	⁺ 3.5	'	4.1			⁺ 0.6	⁺ 0.6	⁺ 0.7	⁺ 0.7	⁺ 0.7	⁺ 0.8	⁺ 1.5	⁺ 3.3	⁺ 4.2	⁺ 4 9
		0.5	3.7	3.6		⁺ 0.5	⁺ 1.1	⁺ 3.8	⁺ 4.9	⁺ 3.7	⁺ 2.2	⁺ 1.7	⁺ 1.3	⁺ 1.6	⁺ 1.8	⁺ 1.5	⁺ 1.6	⁺ 2.7	⁺ 3.9	⁺ 3.8	⁺ 2.6
		0.4	+ 4 . 1	⁺ 4.3		⁺ 0.6	⁺ 1.5		⁺ 9.2 AS CANOP		*8.5	⁺ 5.4			⁺ 7.2	+ 4.1			8.5	7.8	-+6.1
		0.6	+ 6.8	⁺ 6,6	⁺ 1.4	+ 0.8	⁺ 2.3		^{¢†} 21. ⁻⁷ CPY25 0= MH・14		⁺ 2°2.2	⁺ 11.9	 5.8	⁺ 11.8	[®] ⁺ 20.2	*8.2 ⁺	 	15.4¢	⁺ 21.3	19.8	⁺ 17.8
	+	0.8 XSE MH:	°MD+21	4E ⁺ 8 0	⁺ 1.2	+ 0.8	⁺ 2.5	*8.8	TYP OF 18.0	15.7	⁺ 18.3	⁺ 12.6	6.8	⁺ 11.0	⁺ 17.2	 9.5	 7.2	⁺ 15.0	⁺ 20.2	19.8	⁺ 16.8
	+	0.5	⁺ 5 .9	⁺ 5.9	⁺ 1.6	⁺ 0.8	⁺ 2.4	+9 . 0	⁺ % 4.1	⁺ 18.5	⁺ 23 °. 5	⁺ 16.8	⁺ 7.3	⁺ 11.6	* 22.5	⁺ 11.5	⁺ 7.7	17.8°	⁺ 24.7	+ 22.9 ⊕	⁺ 20.0
	+	0.2	⁺ 3.4	*3.5		⁺ 0.7	⁺ 2.2	*8.0	18. -) ⁺ 17.5	⁺ 19.9	⁺ 13.1	[]9	⁺ 10.9	⁺ 16.9	⁺ 9.3]] ⁺ 6.9	⁺ 14.1	⁺ 19.3	18.5	⁺ 15.3
		0.2	+2.4		↓ ^{1.0}	+0,6	⁺ 1.8	⁺ 7 1	ø ⁺21.1	⁺ 17.2	* *21.6	⁺ 11.7	⁺ 5.7	⁺ 11.5	° 19.4	*8.2	⁺ 5.7	⁺ 14.7	⁺ 21.8	*19.7	⁺ 17.6
	+		†1.1			0.5	1.2	⁺ 3.4	⁺ 7.3	⁺ 7.4	⁺ 7.8	⁺ 5.0	⁺ 3.3	⁺ 5.1	⁺ 7.1	⁺ 4.3	⁺ 3.4/	⁺ 6.2	*8.4	8.0	
				+0.8	†0,5	+0.4	0.8	⁺ 1.5	2.5	⁺ 3.5	⁺ 4.6	⁺ 6.0	IR+ 6.7	⁺ 6.1	⁺ 4.6	⁺ 3.2	⁺ /2.4	⁺ 2.3	⁺ 2.4		⁺ 1.8
						+0.4	0.0			, 	<u>+</u> 1.4	*8.0	+ 11.2 X SZM	+ <u>7</u> 6 1D-2ME	+ 4.0	/ 	//	/ + 1.1	0.8		0.6 ••••••••••••••••••••••••••••••••••••
		$\langle \rangle$	//				 ₹0.×3	.5	× +0.9	} \ ⁺ 1.% }	7 7 2 6	_*3.3	, [™] MH: , ⁺ 2 ,8	\ \	+ <u>+</u> 4 -	-\$0.9	⁺ 0 .5	⁺ 0.3	⁺ 0.3		
							- Vi	\sim \checkmark	+0 1	+0 1	~ \ \ \ \ 2		+^_ <u>~</u>		+		/ ₊	<u> </u>	+		

6.6.F.1 The lighting plan shall be of an engineered

scale.

 \sim 1 $^{\circ}$ 1 $^{\circ}$ 0.1 $^{\circ}$.4

Calculation Summary
 Avg
 Max
 Min
 Avg/Min
 Max/Min

 6.7
 11.2
 4.0
 1.7
 2.8
 CalcType Units Illuminance

 6.7
 11.2
 4.0
 1.7
 2.8

 0.6
 0.9
 0.3
 2.0
 3.0

 3.0
 6.4
 0.3
 10.1
 21.3

 0.9
 1.5
 0.4
 2.3
 3.8

 0.0
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 N.A.
 N.A.

 Illuminance Illuminance Illuminance Illuminance 15.4 24.7 5.7 2.7 4.3 Illuminance PATH GAS TO BLDG 3.6 9.2 0.6 6.0 15.3 Illuminance STORE EAST PARKING 3.2 7.5 0.7 4.6 10.7 Illuminance STORE FRONT PARKING Illuminance STORE WEST PARKING Illuminance FC Fc Illuminance

inaire Sc	hedule							
pol	Qty	Label	Arrangement	Description	LLF	Luminaire	Luminaire	Total
لللل	$ \mathbf{\mu} $					Lumens	Watts	Watts
÷	15	CPY250-C-8L	Single	CPY250-C-8L-57K7-F-UL-DM-WH-HZ	1.000	8475	53	795
+	3	CPY250-C-2L	SINGLE	CPY250-C-2L-57K7-F-UL-DM-BK-HZ	1.000	2326	13.5	40.5
4	1	CPY250-C-2L	SINGLE	CPY250-C-2L-50K9-F-UL-DM-BK-HZ	1.000	1730	14	14
	6	XSPW	SINGLE	XSPW-B-WM-3ME-4L-57K-UL-BK	1.000	4270	31	186
-→	9	XSPMD-2ME	SINGLE	XSPMD-D-HT-2ME-12L-57K7-UL-BK-N w_XA-SP1BLS	1.000	9150	95	855

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E0.2 N.T.S.

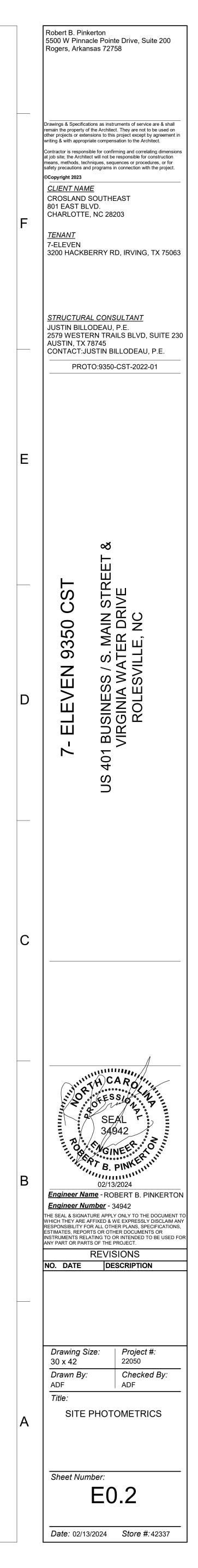
Where is mounting height provided?

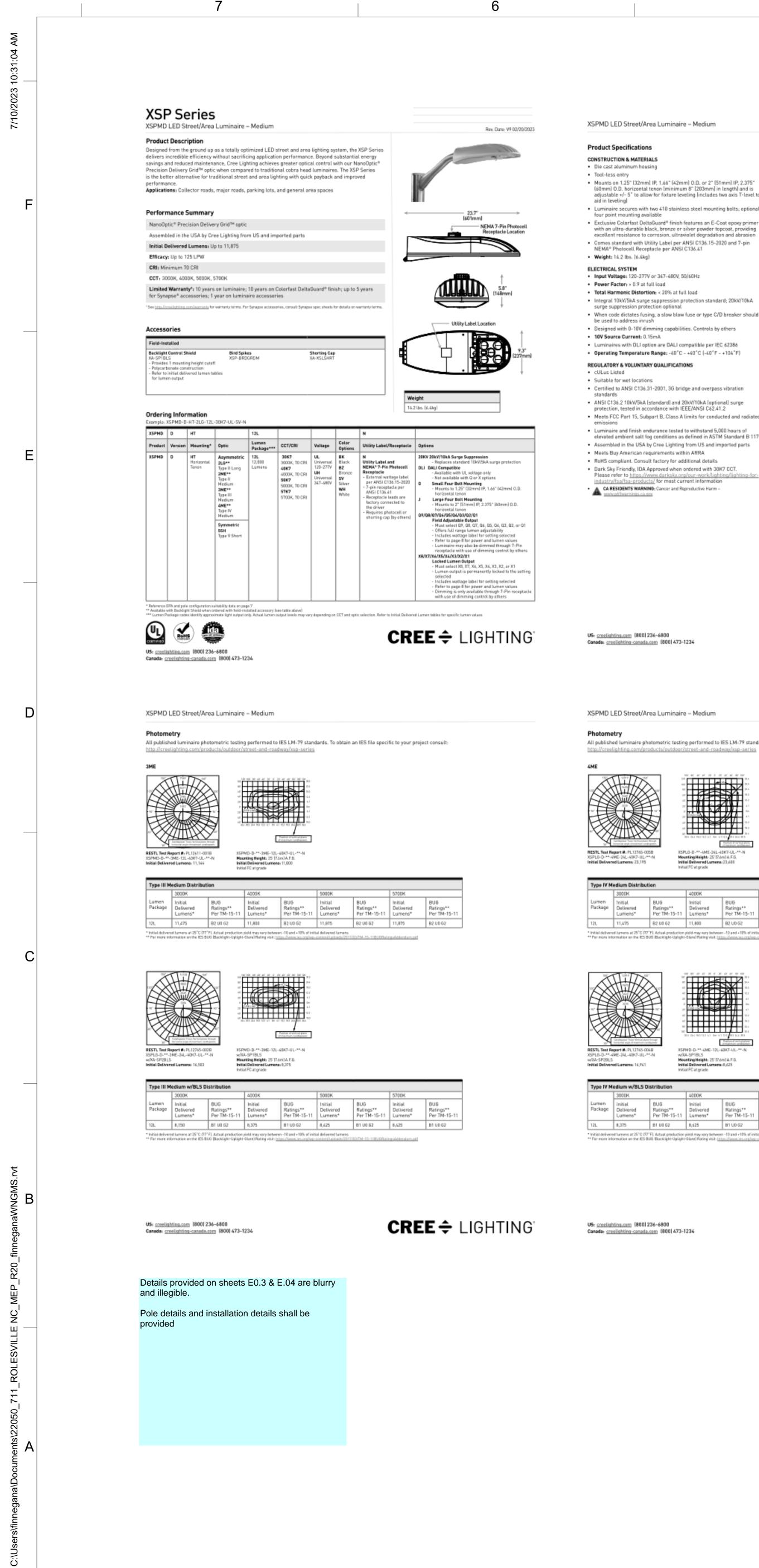
1	⁺ 1.5	⁺ 0.9	⁺ 0.3	ENTRY ⁺ 0.3	⁺ 1.1	+1.7	⁺ 1.3	
0	⁺ 2.7	⁺ 1.0	⁺ 0.4	⁺ 1.8	⁺ 3.3	⁺ 3.1	⁺ 1.5	•
5	⁺ 3.3	⁺ 1.0	⁺ 1.8	⁺ 6.4	<u> </u>	+ 3.5	+ 0.3	+
	+	+				- +	+	+
9 E	3.9	2.0		10.6	5.9 XSPMD- MH: 15	2ME	0.1	•
7 KIN	⁺ 2.6 G	⁺ 3.2	⁺ 5.2	÷5.9	⁺ 0.9	0.2	+ 0.0	+ C.
3	⁺ 2.1	⁺ 3.1	⁺ 3.2	+0.2	0.2	⁺ 0.1	⁺ 0.0	÷C.
5	⁺ 1.5	⁺ 1.5	⁺ 0.4		⁺ 0.1	⁺ 0 .1	⁺ 0.1	+ C.
7	⁺ 0.8	⁺ 0.3	+0.4	+0.4	3	⁺ 0 .2	⁺ 0.0	+ 0.
7	⁺ 0.6	+ 1.6	+1.4				+ 0.0	+ 0.
8	⁺ 3.9	⁺ 3.1	+1.	UMPSTE	, † . 0	+ 0.0	⁺ 0.0	
-2M 5 1	E ⁺ 5.9	+ <mark>-</mark>	+ 1.1.	+0.4	+0.0		+ 0.0	
T				×)	Ś			
2	⁺ 4.3	⁺ 1.0	⁺ 0.В	+ 0.1	~~ ⁺ 0.1	⁺ 0 0	⁺ 0.0	+0.
7	⁺ 0.5	⁺ 0.3		• •	⁺ 0.1	⁺ 0 0	⁺ 0.0	+0.
1	⁺ 0.5	⁺ 0.3	į	ţ	⁺ 0.1	⁺ 0 1	⁺ 0.0	+0.
5	⁺ 0.9	⁺ 0.4	+0 2	+0 1	⁺ 0.1	+0000	+0.0	+ 0 .
8	⁺ 1.3	⁺ 0.6	⁺ 0 3 (⁺ 0 2	⁺ 0.1	+ 0.0	+ 0.0	⁺ 0.
7	⁺ 1.6	+ 0.8	+0.5	+0.2	+0-1	+ 0.0	 ⁺ 0.0	+0.
9	⁺ 1.8	⁺ 1.1	+0.8	o o +0,3		+0 0		+0
	⁺ 1.8					+0 . 0	I	
				•		I	1	
9				•	⁺ 0.1	I	1	
6	⁺ 2.4	⁺ 4.0	3.5	+0.2	⁺ 0.1	+0.0	0.0	⁺ 0 .
1	 ⁺ 3.5	+7.2	+ <u>5.6</u> ×) 	_^0.1	+0.0	• • • •	⁺ 0.
5	⁺ 4.7	+10.4	XSPM THE	р-2ме 15 ^{0.3}	+0.1	¢.0	0.0	+ 0.
-			2.1		+ 0.1		↓ + 0.0	+ 0.
	٨		\langle / \rangle	$\overline{)}$		⁺ 0.0	⁺ 0.0	+ 0.
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7

XSPMD LED Street/Area Luminaire – Medium

Product Specifications CONSTRUCTION & MATERIALS

Die cast aluminum housing

 Mounts on 1.25" [32mm] IP, 1.66" [42mm] 0.D. or 2" [51mm] IP, 2.375" (60mm) O.D. horizontal tenon [minimum 8" [203mm] in length] and is adjustable +/- 5" to allow for fixture leveling lincludes two axis T-level to aid in leveling Luminaire secures with two 410 stainless steel mounting bolts; optional.

four point mounting available Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable black, bronze or silver powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion Comes standard with Utility Label per ANSI C136.15-2020 and 7-pin NEMA® Photocell Receptacle per ANSI C136.41

Weight: 14.2 lbs. [6.4kg]

ELECTRICAL SYSTEM Input Voltage: 120-277V or 347-480V, 50/60Hz Power Factor: > 0.9 at full load

Total Harmonic Distortion: < 20% at full load Integral 10kV/5kA surge suppression protection standard; 20kV/10kA

surge suppression protection optional · When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush

 Designed with 0-10V dimming capabilities. Controls by others 10V Source Current: 0.15mA Luminaires with DLI option are DALI compatible per IEC 62386

Operating Temperature Range: -40°C - +40°C (-40°F - +104°F) **REGULATORY & VOLUNTARY QUALIFICATIONS**

cULus Listed Suitable for wet locations

 Certified to ANSI C136.31-2001, 3G bridge and overpass vibration ANSI C136.2 10kV/5kA [standard] and 20kV/10kA [optional] surge protection, tested in accordance with IEEE/ANSI C62.41.2

 Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated · Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117

 Assembled in the USA by Cree Lighting from US and imported parts Meets Buy American requirements within ARRA RoHS compliant. Consult factory for additional details Dark Sky Friendly, IDA Approved when ordered with 30K7 CCT.

ighting solu waling me laing a Twi ode compl ptimized to rom netwo Synapse V	ries is com ation for Si ih network at-Lock Li iance and a create an rking requ	spatible ite and k with a ghting a bette in man i reman	with the S Area appli browser- Controller r light exp age netwo its for stre	Syn bas ania aria et li	ed interfac i Site Cont nce for no for campu	plyS he th rolle n-st s wi slica	NAP pl. system at runs er, Simp reet lig ide Ans tigns.	featur on sin plySina hting i a and S	es a reliat nartphone p providen nstallation žte applic	ole and r s, tablet :: energy ns. Simp ations w	obusit se ts, and P y product stySNAP	ië- Cs. ivity, is
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Package	- aprila	CRI	120-48	ov	Wattage		120V	200V	240V	2771	3477	407
121. Electrical da "Refer to Fie									0.40 Setween 120	0.35 -277¥ or 2	0.27 367-688V	0.20 /- 105
	as IVEDA	A (DM	mbient A	dju	sted Lun	nen	Main	tenan	ce ¹			
XSP Seri	es LASPT			_					75K hr		100K h	r .
	Optics		Initial LMF	R	5K hr eported ^e MF	Re	OK hr eportei MF	de.	Reporte Estimat LMF		Estima	ed ¹ /
Ambient 5°C		tric		R	eported ² MF	Re	eportei MF	di,	Estimat		Estima	ed ¹ /
Ambient	Optics		LMF	R	eported ^e MF	Re LP	eportei MF	di,	Estimat LMF		Estima LMF	ed ¹ /
Ambient STC 411FI 181C	Optics Asymme	ric	LMF 1.03	R LI 1.1	eported ² MF 12 13	Re LP 1.0	eportei MF 10	d ²	Estimat LMF 0.98 ^r		Estima LMF 0.96 ¹	ed ¹ /
Ambient STC 411FI 181C	Optics Asymme Symmetr	rie tric	LMF 1.03 1.04	B 1.1 1.1	eported ^e MF 12 13	Re LP 1.0	eporter MF 10 13	d:	Estimat LMF 0.99° 1.03°		Estima LMF 0.96 ¹ 1.03 ²	ed ¹ /
Ambient 5°C 41.°FI 10°C 50°FI 15°C	Optics Asymmetric Asymmetric Asymmetric	ric tric	LMF 1.03 1.04	B L1 1.1 1.1	eported ⁰ MF 12 13 12 12	Re LP 1.0 1.0	eporter MF 00 03 00	d ²	Estimat LMF 0.98 ² 1.03 ⁹ 0.98 ²		Estima LMF 0.96 ¹ 1.03 ² 0.96 ¹	ed ¹ /
Ambient 5°C 41.°FI 10°C 50°FI 15°C	Optics Asymme Symmetr Symmetr	ric tric ric tric	LMF 1.03 1.04 1.03 1.03	B 1.1 1.1 1.1	eported ⁶ MF 12 13 12 12 12 12	Re D 1.0 1.0 1.0	eporter MF 10 13 10 12	d²	Estimat LMF 0.98° 1.03° 0.98° 1.02°		Estime LMF 0.96 ¹ 1.03 ⁰ 0.96 ¹ 1.02 ⁰	ed ¹ /
Ambient 5°C 18°C 18°C 18°C 18°C 15°C 15°C 15°C 15°C	Optics Asymme Symmetric Symmetric Asymmetric	rie tric tric tric tric	LMF 1.03 1.04 1.03 1.03 1.02	B 1.1 1.1 1.1 1.1	eported ⁶ MF 12 13 12 12 12 11 11	Re LP 1.0 1.0 1.0	eporter MF 00 03 00 02 09 01	d ²	Estimat LMF 1.03° 0.98° 1.02° 0.97°		Estime LMF 1.03 ⁹ 1.02 ⁹ 1.02 ⁹ 0.95 ¹	ed ¹ /
Ambient 5°C 41°F1 18°C 50°F1 15°C 59°F1 15°C	Optics Asymme Symmetri Asymmetri Asymmetri Symmetri	rie tric rie tric tric tric	LMF 1.03 1.04 1.03 1.03 1.02 1.02	B L 1.1 1.1 1.1 1.1 1.1	eported ¹ MF 03 03 02 01 01 01 01	Re LP 1.0 1.0 1.0 1.0	eporter viF 00 03 00 02 29 29 21	d²	Estimat LMF 1.03° 0.98° 1.02° 0.97° 1.01°		Estima LMF 0.96 ¹ 1.03 ⁹ 0.96 ¹ 1.02 ⁹ 0.95 ¹ 1.01 ³	ed ¹ /
Ambient 5°C 18°C 18°C 18°C 18°C 15°C 15°C 15°C 15°C	Optics Asymme Symmetr Asymme Symmetr Asymmetr Asymmetr	rie tric tric tric tric tric tric	LMF 1.03 1.04 1.03 1.02 1.02 1.02	8 1.1 1.1 1.1 1.1 1.1 1.1	eported [®] MF 102 103 102 102 101 101 101 101	Re LP 1.0 1.0 1.0 1.0 0.5	eporter viF 00 03 00 02 02 02 02 02 02 00 00	di	Estimat LMF 1.03° 1.02° 1.02° 1.01° 1.01° 0.99°		Estima LMF 0.96 ² 1.03 ³ 0.96 ² 1.02 ³ 0.95 ² 1.01 ³ 0.94 ²	ed ¹ /
Ambient 5°C 141°F1 18°C 15°C 15°C 15°C 15°C 15°C 15°C 15°C 15	Optics Asymmet Symmetr Asymmetr Symmetr Asymmetr Symmetr Symmetr	rie tric tric tric tric tric tric	LMF 1.03 1.04 1.03 1.03 1.02 1.02 1.01 1.01	B L 1.1 1.1 1.1 1.1 1.1 1.1	eported [®] MF 102 103 102 102 101 101 101 101	Re LP 1.0 1.0 1.0 1.0 1.0 0.5 1.0 1.0	eporter viF 00 03 00 02 02 02 02 02 02 00 00	d²	Estimat LMF 1.03° 1.03° 1.02° 1.02° 1.01° 1.01° 1.01° 1.00°		Estima LMF 0.96* 1.03* 0.96* 1.02* 0.95* 1.01* 0.94* 1.00*	ed ¹ /

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XSPMD LED Street/Area Luminaire – Medium All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: http://creelighting.com/products/outdoor/street-and-roadway/xsp-series

Mounting Height: 25/17.6m1A.F.0 SPL0-D-**-4ME-24L-40H7-UL-**-N Initial Delivered Lumena 23,195 Initial Delivered Lumena: 23,600

Type IV M	adium Distribut 3000K	ion	4000K		5000K		5700K	
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11						
12L	11,475	B2 U0 G2	11,800	B2 U0 G2	11,875	82.00.62	11,875	B2 U0 G2

	0 10 10 10 10 10 10 10 10 10 1
Standingsman Trace Vertical datas Rescapt Tardaning seglent instantis cardingsmar.	NU 264 NU 112 61 0m 41 122 MI 245 303 Participal principalem structure protopolem

RESTL Test Report #: PL12745-0048 XSPL8-D-**-4ME-24L-40K3-UL-**-N w/X4-SP28L5 ISPMD-D-**-6ME-12L-60K7-UL-**-N w004-SP18LS Mounting Height: 20/17.6m1 A.F.B. Initial Delivered Lumens: 16,961 Initial Delivered Lumena: 8,635 ial FC at grade

	3000K		4000K		5000K		5700K	
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUC Ratings** Per TM-15-11
12L	8,375	B1 U0 G2	8,625	B1 U0 62	8,675	B1 U0 G2	8,675	B1 U0 G2

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	ed luminaire ph	otometric testin oducts/outdoor/		IES LM-79 stand twoy/xsp-series	dands. To obtain	an IES file speci	fic to your proje	ct consult:
2LG								
SPLG-D-**-2	400 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -	-N Moun Initial	0-0-**-200-121-44 ing Heights 25 (7.6m Delivered Lamenes 1 Fock grade	A.F.G.				
Type II Lo	ng Distribution							
-ype it de	3000K		4000K		5000K		5700K	
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-
12L	11,475	B3 U0 G3	11,800	B3 U0 G3	11,875	B3 U0 63	11,875	B3 U0 G3
SPLB-D-**-2 VXA-SP2BLS	And Andrews 17,272	-N w/XA- Mount Initial	D-D-**-2LG-12L-48 SP1BLS Seg Height: 2010.4r Delivered Lamans 8 C6 argrade	A.F.G.				
Type II Lo	ng w/BLS Distri	bution						
	3000K		4000K		5000K		5700K	
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUC Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-

Initial delivered lumens at 25°C (17°F). Actual production yield may vary between -10 and +10% of initial delivered lumens. * Far more information an the IES 800 (Backlight-Uptight-Glane) Rating visit: <u>https://www.ies.org/we-content/uploads/2017</u>

XSPMD LED Street/Area Luminaire – Medium

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XSPMD	LED	Street/Area	Luminaire –	Medium

Photometry Il published luminaire photometric te ttp://creelighting.com/products/outdo		lards. To obtain an IES file specif	ic to your project consult:
SH			
The second secon	SPMD-0-**-SPH-10-2-WK7-UL-**A Meeting Height: 27/17/n1/L F.6. Meting Height: 27/17/n1/L F.6.		
Type V Short Distribution			
3000K	4000K	5000K	5700K

3000K		4000K		5000K	5000K		
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*
12L	11,325	B4 U0 62	11,875	B4 U3 82	11,875	B4 U0 G2	11,875

Luminaire EP/

	et - Weight: 14.2 lbs. (6.4kg)		
Single	2 @ 90*	2.6 180"	3.690"
Tenon Configuration If	used with Cree Lighting tenons, please	add tenon EPA with luminaire EPA	
-		■→■	
PD-1H4; PT-1H	PD-2H4(90); PT-2H(90)	PD-2H4(180); PT-2H(180)	PD-3HW(90); PT-3H(90)
0.71	1.02	1.43	1.74

Tenon EPA

Part Number	EPA	
PD Series Tenans	0.07	
PT Series Tenors	0.10	
WM-2L	0.13	
XA-TMDAB	0.19	

Tenons and Brackets ² (must specify color)	
Square Internal Mount Norizontal Tenons (Atuminum) - Neuros to 4" [102mm] square aluminum or steel poles PD-1H4 - Single PD-2H4(90) - 90" Triple PD-2H4(90) - 90" Truple PD-2H4(90) - 90" Tun PD-2H4(90) - 180" Twin Wall Mount Brackets - Neuros to wall or roof W-2b - Elemended Harizontal	Round External Nourt Herizontal Tenona (Aluminum) - Mounts to 2:375"-3" (60-76mm) 0.0. round aluminum or steel. peles of tenors - Mounts to 2" (76mm), 4" (102mm), 5" (127mm), or 6" (152mm) square pole with PB-1A" tenon PT-1H = Single PT-3H501 = 90" Twin PT-2H501 = 90" Tube PT-2H501 = 90" Tube PT-2H501 = 90" Tube
	Direct Arm Pole Adaptor Bracket - Nounts to 3-6" (76-152mm) round or square aluminum or steel poles

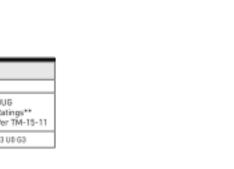
US: creelighting.com (800) 236-6800 Canada: creelighting-canada.com (800) 473-1234 XSPMD LED Street/Area Luminaire – Medium

http://creelighting.com/products/outdoor/street-and-roadway/xsp-series

Photometry

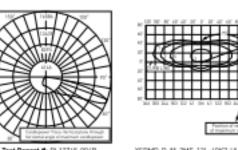
2ME

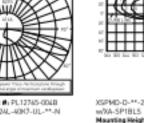
IG tings** r TM-15-11 Initial Delivered Lumens* BUG Ratings** Per TM-15-11 U0 63 11,875 B3 U0 63 15-118U0RatingsAddendam.pdl

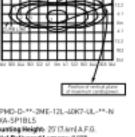


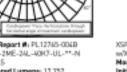


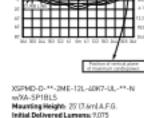
All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:



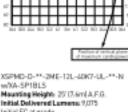






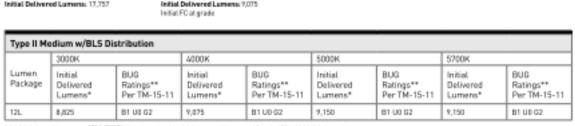


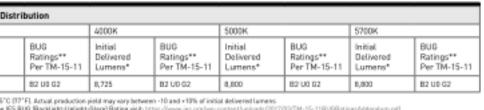






idial delivered lumens at 25°C (17°F). Actual, production yield may vary between -10 and +10% of initial delivered lumens. Far more information on the IES 800 (Backlight-Uplight-Glare) Rating visit: <u>https://www.ies.org.hup-content/uploads/20121</u>





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XSPMD LED Street/Area Luminaire - Medium

Field Adjustable Output (09/08/07/06/05/04/03/02/01) Option Description: The Field Adjustable Output option enables the street and area luminaire within the XSP Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the ECT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description: The Locked Lumen Output option on this page permanently locks the lumen output on the XSP Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

Q & X Option Power & Lumen Data – 12L

Option Setting	X Option Setting	OCT/CRI	System Watts'				Volues"			Utility Label Label Larre		
										1 - 2 - 1 201	L	
			130-498V	SME/4ME	55H	2L6 wBL5	2ME w/BLS	3ME w/BLS	4ME w/BLS	Label. Wattage	310/SWE/SWE/SWE	55H
~		3047		11,435	11,325	8,900	8,825	8,190	8,375		11000 L	11000
	N/A (Fall	4047	~	11,800	11,875	8,725	9,175	8.375	8.625	100		
~	Powerl	5047	5	11,875	11,875	8,800	9,150	0.425	1.675	100	12000 L	12000
		57K7		11,875	11,875	8,800	9,150	8,625	8,675			
		3047		11,125	10,975	8,225	8,575	7,900	8,125		11000 L	11000
G8	205	40+7	70	11,425	11,700	8,450	8,800	8,100	8,350	70		12000
~	~	50K7	~	11,500	11,425	8,900	8,850	8,175	8,400	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	12000 L	11000
		57K7		11,500	11,425	8,500	8,850	8,175	8,400		1000011	TTIM
		3097		10,650	10,500	7,875	8,200	7,550	7,775			11000 L
07	X7	4897	85	10,950	11,225	8,100	8,425	7,775	8,000	90	11000 L	
~		58K7	-	11,025	10,990	8,150	8,500	7,825	8,050			
		5787		11,025	10,990	8,150	8,500	7,825	8,050			
		3847		10,325	10,200	7,650	7,950	7,325	7,525		10083 L	1000
G6	X6	4867	81	10,625	10,875	7,875	8,175	7,550	7,750	80		
~		50K7		10,700	10,625	7,925	8,250	7,600	7,800	~~	11000 L	11800
		57K7		10,700	10,625	7,925	8,250	7,800	7,800			
		3867		9,825	9,375	7,050	7,325	6,775	6,950			9008
Q5	XS	4867	74	9,775	10,025	7,225	7,525	6,950	7,125	- 70	10000 L	
~	~	5087		7,850	9,775	7,300	7,575	7,000	7,200			10000
		5787		9,850	9,775	7,300	7,575	7,000	7,200			
		3847		8,925	8,825	6,600	6,875	6,325	6,525			
65	X4	4867	67	9,175	9,400	6,800	7,075	6,525	6,700	70	70 9000 L	9000
_		5883		9,250	9,200	6,950	7,125	6,575	6,750			
		5787		9,250	7,200	4,850	7,125	6,575	6,750			
		SBK7		8,100	7,975	6,000	6,225	5,750	5,925			8008
	ю	48K7	40	8,325	8,525	6,150	6,400	5,900	6,075	60	8000 L	9000
-		5083	_	8,375	8,325	6,200	6,450	5,950	6,125			8008
		\$763		8,375	8,325	6,200	6,450	5,950	6,125			
		3867		7,350	7,250	5,450	5,650	5,225	5,375		7000 L	7083
a2	12	40147	54	7,550	7,750	5,575	5,825	5,350	5,500	50		
		50K7		7,625	7,575	5,850	5,875	5,425	5,575		8000 L	8000
		§7H3		7,625	7,575	5,850	5,875	5,425	5,575			
		30H7		6,700	6,625	4,960	5,150	4,768	4,990			
01	X1	40147	48	6,900	7,075	5,100	5,325	4,908	5,025	50	7000 L	7080
		501(7		6,950	6,900	5,150	5,350	4,938	5,075			
		\$767		6,958	6,900	5,150	5,350	4,938	5,075			

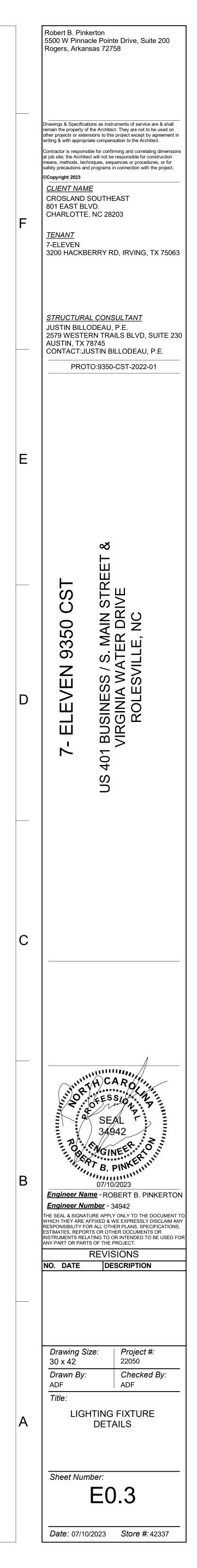


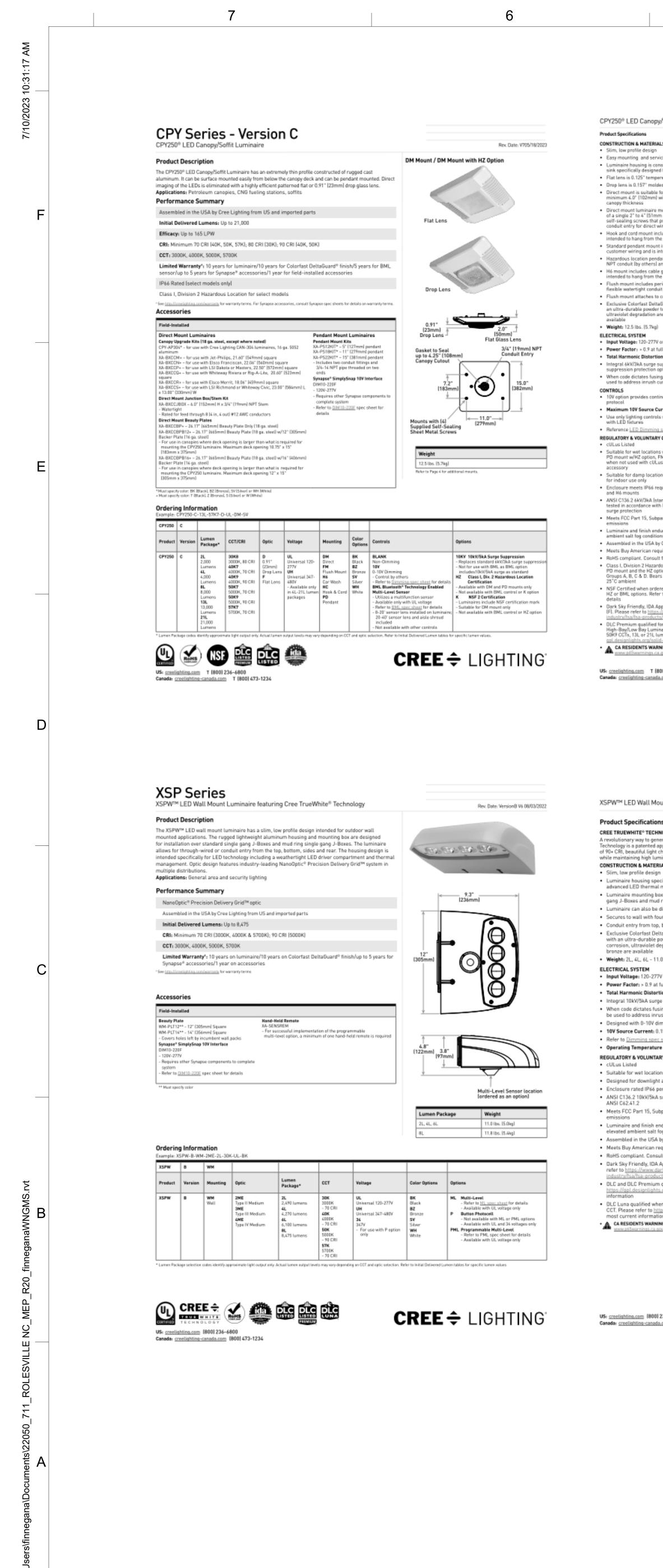
poles XA-TMDAB

PD-4H4I901: PT-4HI901

US: creelighting.com (800) 236-6800 Canada: creelighting-canada.com (800) 473-1234

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Photometry

DROP LENS

RESTL Test Report # PU16573-001A CPY250-C-13L-57K7-D-UL-**-**-** Initial Delivered Lumens: 13,260

RESTL Test Report #: PU16548-004A CPY250-C-13L-57K7-F-UL-**-** Initial Delivered Lumens: 14,015

FLAT LENS

CPY250[®] LED Canopy/Soffit Luminaire - Version C

All published luminaire photometric testing performed to IES LM-79 standards.

To obtain an IES file specific to your project consult: https://www.creelighting.com/products/outdcor/canopy-and-solfit/cps/250-series

CPY25D-C-13L-57K7-D-UL-**-**-* Mounting Height: 15' (4.6m) A.F.O. Initial Delivered Lumens: 13,750

phrasings participants

CPY250-C-13L-57KT-F-UL-**-**-Mounting Height: 15" (4.6m) A.F.G.

Initial Delivered Lumens: 14,015 Initial PC at grade

Initial PC at grade

CPY250[®] LED Canopy/Soffit Luminaire - Version C

CONSTRUCTION & MATERIALS

profile desig	n
nting and se	ervicing from below the deck
housing is fically desig	constructed of rugged cast aluminum with integral heat ned for LED
s 0.125° terr	pered Solite* glass
is 0.157" ma	olded borosilicate glass
unt is suitab	le for use in single or double skin canonies with a

 Direct mount is suitable for use in single or double skin canopies with a minimum 4.0" (102mm) wide panels and a minimum 22 gauge, 0.030" (0.7mm) Direct mount luminaire mounts directly to the canopy deck with the drilling of a single 2" to 4" (51mm to 102mm) round hole, is secured in place with self-sealing screws that provide a weathertight seal and includes 3/4" (19mm) conduit entry for direct wire feed

 Hook and cord mount includes a 3' (0.91m) cord out of the luminaire and is intended to hang from the single hook Standard pendant mount includes a mounting bracket and a J-Box for customer wiring and is intended to be mounted by 3/4 IP pendant (by others)

 Hazardous location pendant mount has a threaded hub which accepts 3/4" NPT conduit lby othersI and secures with a 1/4"-20 set screw · H6 mount includes cable gland with 3' [0.91m] cord out of the luminaire and is intended to hang from the single hook Flush mount includes perimeter gasket, watertight cable gland and 6" [1.8m] Rexible watertight conduit out of luminaire Flush mount attaches to ceiling with (4) self-drilling screws

Exclusive Colorfast DeltaBuard[®] finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are

Input Voltage: 120-277V or 347-480V, 50/60Hz

 Power Factor: > 0.9 at full load Total Harmonic Distortion: < 20% at full load

 Integral &K/03kA surge suppression protection standard; 10kW/5kA surge suppression protection optional. · When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current 10V option provides continuous dimming to 10% with 0-10V DC control.

 Maximum 10V Source Current: 1mA. Use only lighting controls with neutral connection or controls intended for use with LED fotures Reference <u>LED Dimming spec sheet</u> for additional dimming information

REGULATORY & VOLUNTARY QUALIFICATIONS

 Suitable for wet locations when ordered with DM, DM mount w/HZ option, PD mount w/HZ option, FM and H6 mounts. Covered ceiling required only when not used with cULus Listed, wet location junction box or XA-BXECJBOX. Suitable for damp locations when ordered with HC and PD mounts. Designed Enclosure meets IP66 requirements per IEC 60529 when ordered with DM, FM ANSI C136.2 & kW/3kA (standard) and 10kW/5kA (optional) surge protection tested in accordance with IEEE/ANSI C62.41.2. BML option includes 10kV · Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated

 Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117 Assembled in the USA by Cree Lighting from US and imported parts Meets Buy American requirements within ARRA RoHS compliant. Consult factory for additional details

 Class I, Division 2 Hazardous Location rated when ordered with the DM or PD mount and the HZ option. Not available with K or BML options. Rated for Groups A, B, C & D. Bears a T3C [160°C] temperature classification within a NSF Certified when ordered with DM mount and K option. Not available with HZ or BML options. Refer to http://info.nsf.org/Certified/Food/ for additional Dark Sky Friendly, IDA Approved when ordered with 30K CCT and Flat Lens 0FI. Please refer to https://www.darksky.org/our-work/lighting/lighting-lar-industry/tsa/tsa-araducts/ for most current information

 DLC Premium qualified for Fuel Pump Canopies. DLC Standard qualified for High-Bay/Low Bay Luminaires when ordered with 8L and 30K9, 40K9 and 50K9 CCTs, 13L or 23L lumen packages with all CCTs. Please refer to <a href="https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://www.https://wwwwwwwww.https://www.https://wwwww.https://wwwwwww.https://www.htt gpl.designlights.org/solid-state-lighting for most current information CA RESIDENTS WARNING: Cancer and Reproductive Harm www.pl/Swarnings.ca.gov

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Lumen Package	System Watts	Total C	Total Current [A]						
	120-480V**	120V	208V	240V	277V	347V	480V		
2L	14	0.11	0.07	0.06	0.05	N/A	N/A.		
41.	29	0.24	0.14	0.12	0.10	0.08	0.05		
8L.	53	0.45	0.26	0.22	0.19	0.15	0.11		
13L	85	0.73	0.42	0.36	0.32	0.25	0.19		
211.	132	1.13	0.64	0.56	0.49	0.38	0.28		

CPY Set	ries (Version C) Ambien	t Adjusted	i Lumen M	aintenance	¹	
Ambient	Luminaire Mounting Surface	Initial LMF	25K hr Reported ^o LMF	50K hr Reported ^o LMF	75K hr Reported ^o LMF	100K hr Reported ^o LMF
5°C 41°F	2L-21L Plywood/ 2L-21L Metal	1.02	0.99	0.93	0.88	0.83
10°C (50°F)	2L-21L Plywood/ 2L-21L Metal	1.02	0.98	0.93	0.87	0.82
15°C (59°F)	2L-21L Plywood/ 2L-21L Metal	1.01	0.98	0.92	0.87	0.82
20°C [68°F]	2L-21L Plywood/ 2L-21L Metal	1.01	0.97	0.92	0.86	0.81
25°C (77°F)	2L-21L Plywood/ 2L-21L Metal	1.00	0.97	0.91	0.86	0.81
30°C	2L-13L Plywood/ 2L-21L Metal	0.99	0.96	0.90	0.85	0.80
86 ⁺ F]	21L Plywood	0.99	0.95	0.89	0.84	0.79
35°C	2L-13L Plywood/ 2L-21L Metal	0.99	0.95	0.90	0.85	0.80
(95 ⁺ F)	21L Plywood	0.99	0.94	0.87	0.82	0.76
40°C (1D4°F)	2L-13L Plywood/ 2L-21L Metal	0.98	0.95	0.89	0.84	0.79
45°C (113°F)	2L-4L Plywood/ 2L-13L Metal	0.98	0.94	0.89	0.84	0.79
50°C (122°F)	2L-4L Metal	0.97	0.92	0.87	0.81	0.76

d values are calculated and re-

accardance with IES TM-31, Reported values represent interpolated values based on time durations that are up to ix tested duration in the IES LM-80 report for the LED. one that exceed the 4s test duration of the LED.

Lumen	Direct Mount to	Direct Mount to Sheet	Class 1, Division 2 Hazardous Location			
Package	Plywood	Metal/Suspended	Direct Mount to Plywood	Direct Mount to Sheet Metal/Suspended		
2L	-90°C to +45°C	-40°C to +50°C				
4L	-40 °C to +45 °C	-40 °C to +50 °C				
8L	-40°C to +40°C	-40°C to +45°C	-40°C to +25°C			
13L	~40°C to +40°C	-40°C to +45°C]			
21L	-40°C to +35°C	-40°C to +40°C]			

CREE ÷ LIGHTING

XSPW™ LED Wall Mount Luminaire

Product Specifications CREE TRUEWHITE* TECHNOLOGY A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy - a true no compromise solution. CONSTRUCTION & MATERIALS Stim, low profile design Luminaire housing specifically designed for LED applications with advanced LED thermal management and driver Luminaire mounting box designed for installation over standard single gang J-Boxes and mud ring single gang J-Boxes Luminaire can also be direct mounted to a wall and surface wired Secures to wall with four 3/16" (5mm) screws (by others) Conduit entry from top, bottom, sides, and rear · Exclusive Colorfast DeltaGuard® finish features an E-coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, black, white and bronze are available Weight: 2L, 4L, 6L - 11.0 lbs. (5.0kg); 8L - 11.8 lbs. (5.4kg) ELECTRICAL SYSTEM

 Input Voltage: 120-277V or 347-480V, 50/60Hz Power Factor: > 0.9 at full load

 Total Harmonic Distortion: < 20% at full load Integral 10kV/5kA surge suppression protection standard

 When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current Designed with 0-10V dimming capabilities. Controls by others 10V Source Current: 0.15 mA

 Refer to <u>Dimming spec sheet</u> for details Operating Temperature Range: -40°C - +50°C (-40°F - +122°F)

REGULATORY & VOLUNTARY QUALIFICATIONS Suitable for wet locations

 Designed for downlight applications only Enclosure rated IP66 per IEC 60598

 ANSI C136.2 10kV/5kA surge protection, tested in accordance with IEEE/ Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated

 Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117 Assembled in the USA by Cree Lighting from US and imported parts

 Meets Buy American requirements within ARRA. RoHS compliant. Consult factory for additional details · Dark Sky Friendly, IDA Approved when ordered with 30K CCT. Please refer to https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/ for most current information

 DLC and DLC Premium gualified versions available. Please refer to https://qpl.designlights.org/solid-state-lighting for most current DLC Luna qualified when ordered with 4L-8L lumen packages and 30K

CCT. Please refer to https://gpl.designlights.org/solid-state-lighting for most current information CA RESIDENTS WARNING: Cancer and Reproductive Harm www.p65wornings.ca.gov

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Electrical Data*										
Lumen	CCT/CRI	System Watts				Total Cu	rrent (A)			
Package	CUIJORI	120- 480V	Efficacy	120V	206V	240V	277V	347V	480V	
	30K/70 CRI	20	125	0.17	0.10	0.08	0.07	0.06	0.05	
21.	40K/70 CRI	19	131	0.16	0.09	0.08	0.07	0.06	0.04	
<i>a.</i>	50K/90 CR1	24	104	0.20	0.11	0.10	0.08	0.07	0.05	
	57K/70 CRI	19	131	0.16	0.09	0.08	0.07	0.06	0.04	
	30K/70 CRI	33	129	0.28	0.16	0.14	0.13	0.10	0.07	
41.	40K/70 CRI	31	138	0.27	0.15	0.13	0.12	0.09	0.07	
61.	50K/90 CRI	40	107	0.35	0.20	0.17	0.16	0.12	0.09	
	57K/70 CRI	31	138	0.26	0.15	0.13	0.12	0.09	0.07	
	30K/70 CRI	51	120	0.43	0.25	0.22	0.19	0.14	0.11	
	40K/70 CRI	47	130	0.40	0.23	0.20	0.18	0.14	0.10	
6L	50K/90 CRI	60	102	0.51	0.29	0.25	0.23	0.17	0.13	
	57K/70 CRI	47	130	0.40	0.23	0.20	0.17	0.14	0.10	
	30H/70 CRI	77	110	0.65	0.38	0.32	0.28	0.22	0.16	
	40K/70 CRI	72	118	0.61	0.35	0.31	0.27	0.21	0.15	
81.	50K/90 CRI	78	89	0.66	0.37	0.33	0.29	0.22	0.16	
	57K/70 CRI	71	119	0.60	0.35	0.30	0.26	0.20	0.15	

Ambient	Initial LMF	25K hr Reported ² LMF	SDK hr Reported ² LMF	75K hr Estimated ⁰ LMF	100K.hr Estimated ¹ LMF
5°C (41°F)	1.03	0.98	0.96	0.94	0.92
10°C (50°F)	1.03	0.98	0.96	0.94	0.92
15°C (59°F)	1.02	0.97	0.95	0.93	0.92
20°C (68°F)	1.01	0.96	0.95	0.93	0.91
25°C (37°F)	1.00	0.96	0.94	0.92	0.90
30°C (86°F)	0.99	0.95	0.93	0.91	0.89
35°C (95°F)	0.98	0.94	0.92	0.90	0.88
40°C (104°F)	0.97	0.93	0.91	0.89	0.87

nce with IES TM-31, Reported values represent interpalated values based on time durations that are rested duration in the IES LM-88 report for the IES. up to as the fielded duration in the liub LM-ed report for the Lau.
⁷ Estimated values are calculated and regressent time durations that exceed the 4s test duration of the LED.

CREE + LIGHTING

XSPW™ LED Wall Mount Luminaire

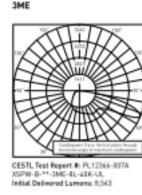
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Canada: creelighting-canada.com T (800) 473-1234

Photometry								
All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: http://creeliahtina.com/products/outdoor/wall-mount/asp-series-wall								
2ME								
First Test Rept # PL12798-031A SPH = 5-**-346-44 SPH = 5-**-346-44-64-54 Istict Definered Lameets: 6,6/2	TSPW-8-**-2ME-8L-30X-UL. Koarring Height: 15 K.8.1 A.F.0. High Delivered Lumens: 8.475							

Initial PC at grade

	3000K 4		4000K 5000K		DK.			
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11						
21.	2,490	B1 U0 G1						
4L	4,270	B1 U0 G1	4,270	B1 U0 81	4,270	B1 U0 61	4,270	B1 U0 G1
éL.	6,100	B1 U0 62	6,100	B1 U0 62	ó,100	B1 U3 G2	á,100	B1 UD 02
8L.	8,475	B2 U0 62	8,475	B2 U0 B2	6,925	B1 U0 02	8,475	B2 U0 G2



X5PW-B-**-3ME-8L-40K-UL Mounting Height: 15' (4.6m) A.F.I Initial Delivered Lumens: 8,475 Initial FC at grade

Type III Medium I	Distribution							
	3000K 4		4000K 5000K		5000K	5000K		
Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11						
2L	2,490	B1 U0 G1	2,490	B1 U0 B1	2,490	B1 U0 01	2,490	B1 U0 G1
4L	4,270	B1 U0 61	4,270	B1 U0 B1	4,270	B1 U0 01	4,270	B1 UD G1
64.	6,100	B1 U0 G2	6,100	B1 U0 62	6,100	B1 U0 G2	6_100	B1 UD G2
6L.	8,475	B2 U0 62	8,475	B2 U0 B2	6,925	B1 U0 82	8,475	B2 UD G2
Initial delivered lumens at 25°C (17° F). Actual production yield may sarp between -10 and +10% of initial delivered lumens ** For more informatics on the IES BLG Blacklight-Upight-Stare) Rating Veix (https://www.incom/loc.com/ord/USY/YED/TM-15-110UGR/science/deliver.od)								

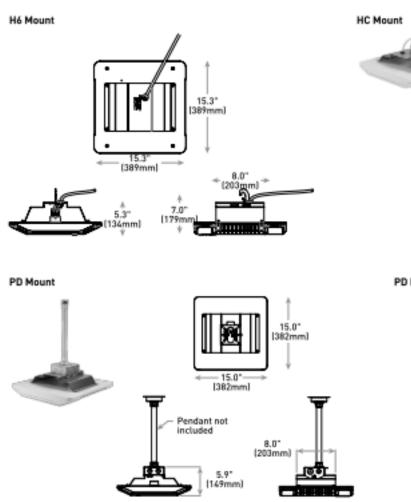
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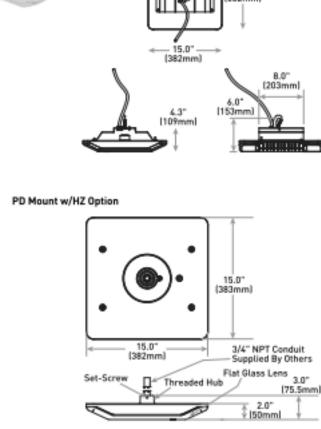
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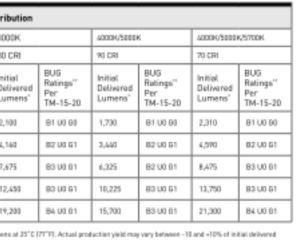
CPY250[®] LED Canopy/Soffit Luminaire - Version C

Drop Lens	Distribution				_		
	3000K		40004/5000	к	4000K/5000	K/5700K	
	80 CRI		90 CRI	90 CRI		70 CRI	
Lumen Package	Initial Delivered Lumens'	BUG Ratings" Per TM-15-20	Initial Delivered Lumens'	BUG Ratings" Per TM-15-20	Initial Delivered Lumens'	BUG Ratings" Per TM-15-20	
21.	2,100	B1 U1 G1	1,730	B1 U1 G1	2,310	B1 U1 G1	
4L	4,160	B2 U1 01	3,440	82 U1 01	4,590	B2 U2 01	
UL.	7,675	80 U2 G1	6,325	82 U2 61	8,475	83 U2 61	
13L	12,490	B3 U2 01	10,225	B3 U2 B1	13,750	B3 U2 81	
21L	19,200	B4 U2 G2	15,700	80 U2 62	21,300	84 U2 62	

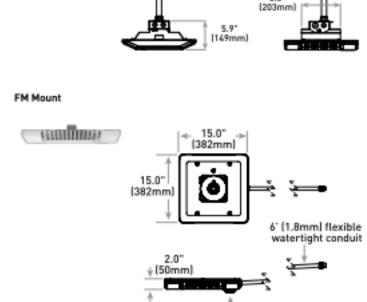
	3000K		4000K/5000	4000K/5000K		4000K/5000K/5700K		
	80 CRI		90 CRI		70 CRI			
Lumen Package	Initial Delivered Lumens'	BUG Ratings'' Per TM-15-20	Ratings' Initial Per Iumans'		Initial Delivered Lumens'	BUG Ratings" Per TM-15-20		
21.	2,100	B1 U0 00	1,730	B1 U0 00	2,310	B1 U0 00		
úL.	4,160	02 U0 G1	3,440	82 U0 G1	4,570	82 U0 G1		
8L	7,675	B3 U0 81	6,325	B2 U0 B1	8,475	B3 U0 81		
134.	12,450	83 US 61	10,225	B3 U0 61	13,750	83 U0 61		
21L	19,200	B4 U0 81	15,700	B3 U0 B1	21,300	B4 U0 81		







https://www.ies.arg/wp-cantent/uplaads/2017/03/TM-15-11BUGRatingsAddendum.pd



Shown with BML

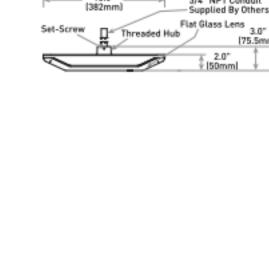
[ordered as an option]

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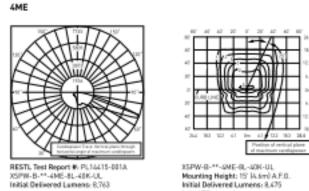
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XSPW™	LED Wall	Mount	Luminaire

Photometry All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: http://creelighting.com/products/outdoor/wall-mount/xsp-series-wall



Report #/ PL14415-001A 4ME-8L-40K-UL red Lumens: 8,763	

20 20 20 20 20 20 20 20 20 20 20 20 20 2		
Mo	PW-8-**-3ME-8L-40H-UL sunting Height: 15' [A.Sm] A.F.0. tial Delivered Lumens: 8,475 Sall PC at grade	

Type IV Medium Distribution									
		3000K		4000K		5000K		5700K	
	Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
	21.	2,490	B1 U0 G1	2,490	B1 U0 61	2,490	B1 U0 G1	2,490	B1 U0 G1
	4L	4,270	B1U0G1	4,270	B1 U0 61	4,270	B1 U0 61	4,270	B1 U0 G1
	éL.	6,100	B1 U0 62	6,100	B1 U0 62	۵,100	B1 U0 G2	á,100	B1 UD G2
	8L.	8,475	B1U062	8,475	B1 U0 82	6,925	B1 U0 02	8,475	B1 U0 G2
				een -10 and +10% of initia https://www.ies.org/ep-p	I dolivered lamens ontent/uploads/2017/03/17	4-15-118UGRatingsAdden	fum.odl		

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