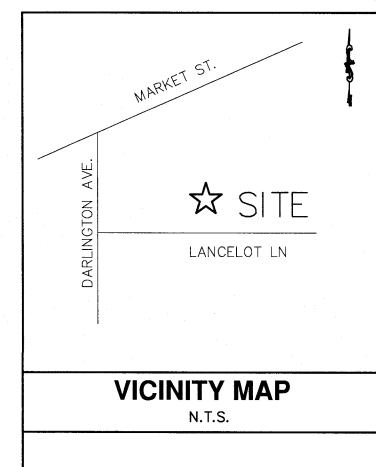
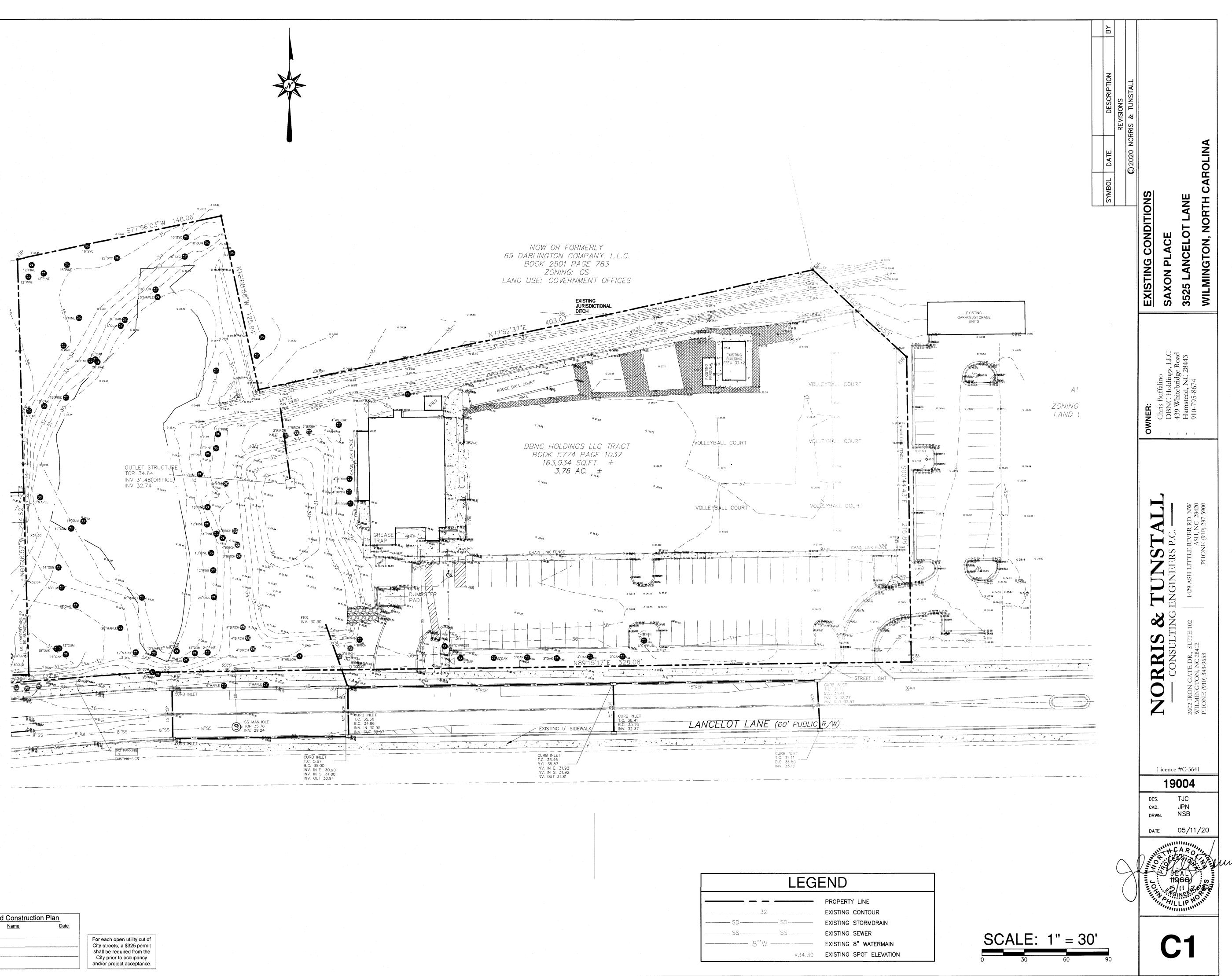


DVVQ SEVVER PERMIT #:					
SEWER CAPACITY:					
SEWER SHED # AND PLANT:					
SEWER TO FLOW THROUGH NEI:	YES	or	NO	(CIRC	1

			THETFORD	NOW OR FORMERLY PROPERTIES IV, LTD. PARTNERSHIP BOOK 1314 PAGE 498	,
DINGS 1 & 2				ZONING: MF-M	
MPERVIOUS SURFACES			LAND	ISE: MULTI-FAMILY RESIDENTIAL	
UILDINGS:	5,712 SF				
SPHALT:	22,139 SF				
ONCRETE:	5,327 SF				
AVERS:	2,789 SF				
EX. TOTAL:	35,967 SF				
MP. TO BE REMOVED:	8,649 SF				
MP. TO BE REMAIN:	27,318 SF		SITE DATA TA	BLE BUILDING 3	
IMPERVIOUS SURFACES					
DING:	22,516 SF	PARCEL NUMBER:	R04917-004-017-000	TOTAL AMOUNT OF WETLANDS:	0 AC
ALT PAVEMENT:	7,231 SF	PARCEL AREA:	32,735 SF = .751 AC	NEW IMPERVIOUS SURFACES	
RETE WALK:	4,769 SF	PROPOSED DENSITY	40 UNITS/AC	BUILDING:	7,377 SF
RE:	1,000 SF	ZONING DISTRICT:	O&I (CDMU)	ASPHALT PAVEMENT:	12,914 SF
NEW TOTAL:	35,516 SF (NEW)	CAMA LAND CLASSIFICATION:	URBAN	CONCRETE WALK:	1,912 SF - PR
L IMPERMOUS:	62,834 SF (NEW & EXIST)	REQ'D SETBACKS:	20' FRONT	FUTURE:	1,000 SF
	38.8%		20' CORNER	NEW TOTAL:	23,203 SF
ET YARD:			20' REAR		70.9%
PRIMARY (LANCELOT LN.)			10' INTERIOR SIDE	OPEN SPACE PROVIDED:	.12 AC+/-
(628-55) 18 = 10,314 SF	F REQUIRED 10,450 SF PROVIDED	TOTAL UNITS:	30	PROPOSED SEWER CAPACITY:	
DATION PLANTINGS:			30 x 1 BR	30 – 1 BR 👁 240 GPD/BR:	7,200 GPD (NE
BUILDING 1:		BUILDING HEIGHT: BUILDING 3	- 30 UNIT = 40'-0.25" - 3 STORY (7,377 SF/FL	DOR) TOTAL:	7,200 GPD TO
REQUIRED (FRONT): (131'x	30.5').12 = 480 SF	BUILDING TYPE (BUILDING 3):	5B	FOUNDATION DI ANTINOS	
PROVIDED = 895 SF		BIKE PARKING:		FOUNDATION PLANTINGS:	
REQUIRED (SIDE): (81'x30.	5') 12 = 297 SF	REQUIRED: 5 MI	N / 100 SPACES	$REQUIRED = 203' \times 30.5' (FA)$	(CADE) X $0.12 = 7$
PROVIDED = 309 SF		PROVIDED: 5 SP	ACES	PROVIDED = 833 SF	
1000DED - 503 51				STREET YARD:	
BUILDING 2:				PRIMARY (LANCELOT LN.) (243-25) 18 = $3,924$ SF REG	QUIRED 3,955
REQUIRED (FRONT): (131'x	30.5').12 = 480 SF				
PROVIDED = 998 SF	- -			SECONDARY (DARLINGTON AVE (126-25) 9 = 909 SF REQUI	
REQUIRED (SIDE): (81'x30.	.5').12 = 297 SF				.25 303
PROVIDED = 410 SF					





WILM	NGTON NORTH CAROLINA
Public Services	Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN Permit #

Clanade	

	NCDENR PWSS WATER PERMIT #:
GF	WATER CAPACITY:
	DWQ SEWER PERMIT #:
GF	SEWER CAPACITY:
	SEWER SHED # AND PLANT:
or NO (CIRCLE ONE	SEWER TO FLOW THROUGH NEI:

Approved Construction Plan			
<u>Name</u>			
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HARKET ST. MARKET ST. MARKET ST. MARKET ST. SITE LANCELOT LN VICINITY MAP		SS8 SSS8 SS8 SS8 SS8 SS8 SS8 SSS8 SSS8 SSS8 SSS8 SSS8 SSS8 SSS8 SSSSSSSS
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		$3.20 \qquad 32.58 \qquad 32.29 \qquad S \\ S$
With of the provided structure North Carolina Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Date: Permit #	Approved Construction Plan	B S S S S
NCDENR PWSS WATER PERMIT #:	PD Fire	For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

D RESTAURANT PARKING ONLY MUST BE CLEARLY MARKED)

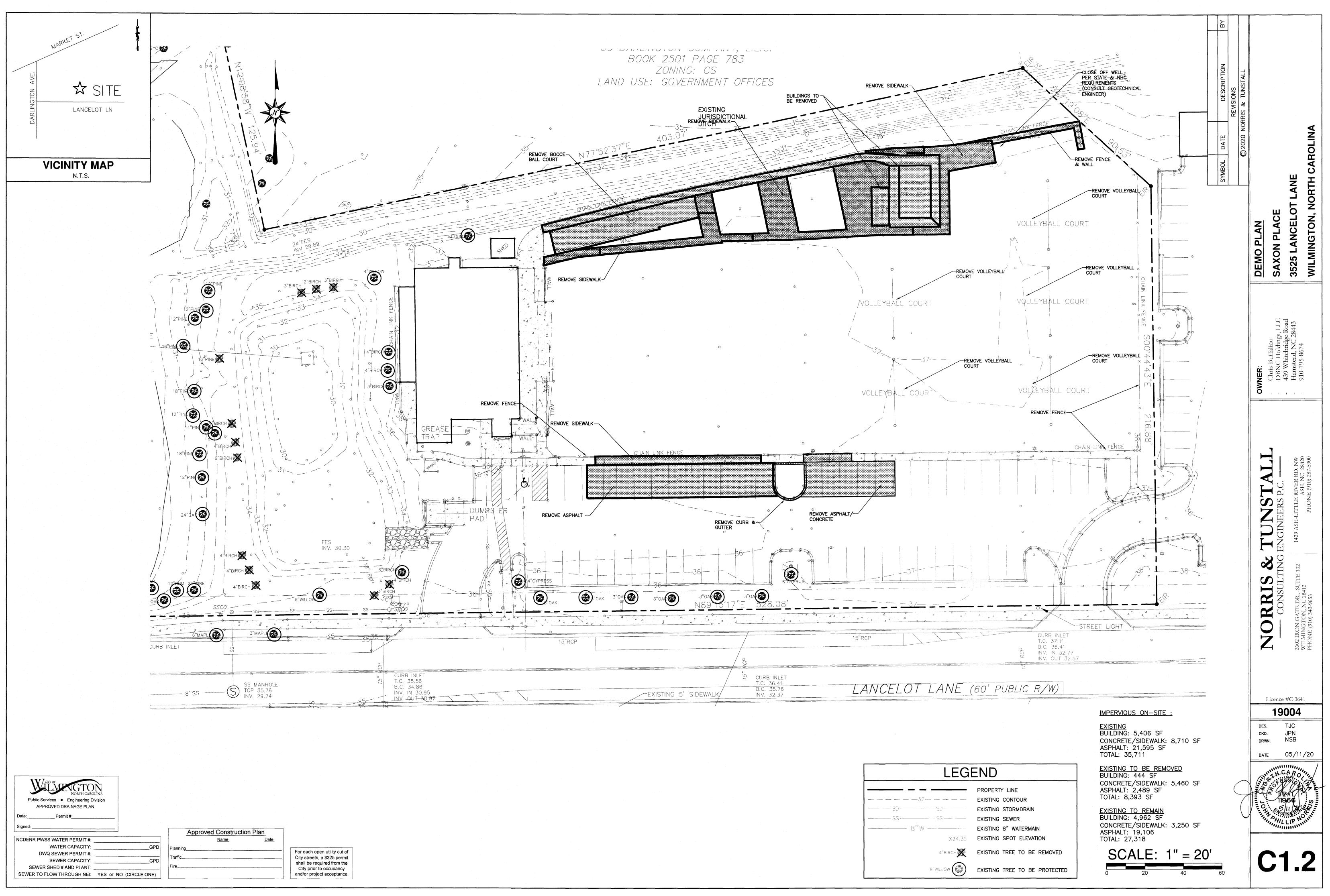
REMAINING 38 ARE FOR RESIDENTS

NOW OR FORMERLY 69 DARLINGTON COMPANY, L.L BOOK 2501 PAGE 783 ZONING: O&I LAND USE: CHILD DAYCARE

-WOOD FENCE ENCROACHES BY 2.5' AT WORST POINT - ASPHALT PARKING WITH CONCRETE CURB _I ∦36.61 X36.90 N88°32'50"E 240.04 x35.56 X36.650-_____%35.97 0 35 kg X34.43 4 😥 X34,50 X34.39 X34.14 X34.47 \geq X34.47 GRAVEL DRIVE X34.48 X34.35 / 🔪 14"GUI D -1 ^{/8}⁴X32.84 34 X33.76 X34.41 X34.39 -18'ОАК 🐯 X34.48 EX. TREE TO BE REMOVED (TYP) X33.68 X32.90 🎍 13"0AK 2413"OAK 8"OAK 🔆 SIGN EX. PROPERTY LI BE ABANDONED NIGOOD 33.77 5'58"F 8"ZELKOVA 8"ZELKOVA ХЗЗ.62 🔪 🔅 . . . --- 8"SS ----- 8°SS . 1 NO PARKING $\leftarrow \rightarrow$ -EXISTING SIGN -EXISTING 5' SIDEWALK

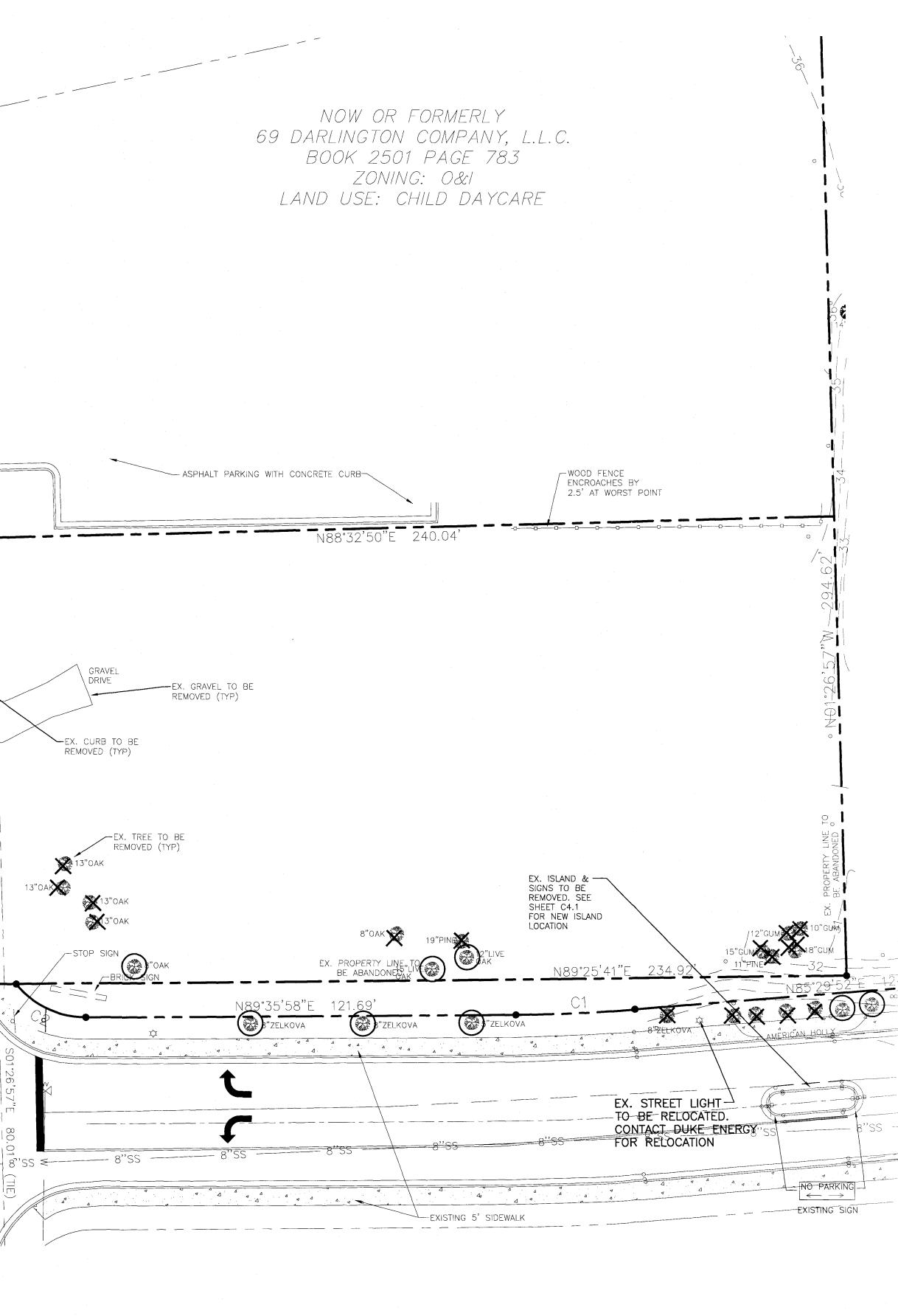
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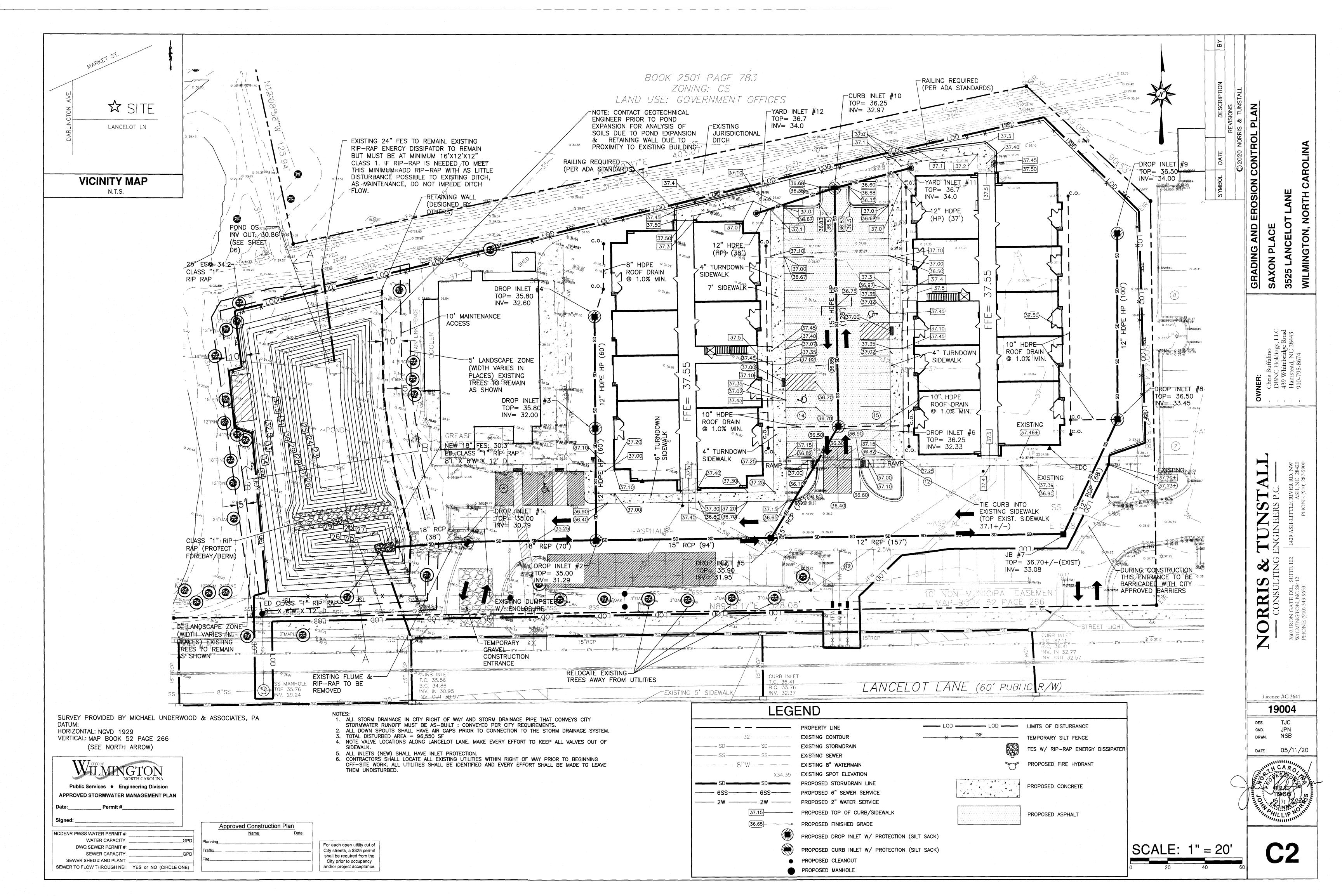
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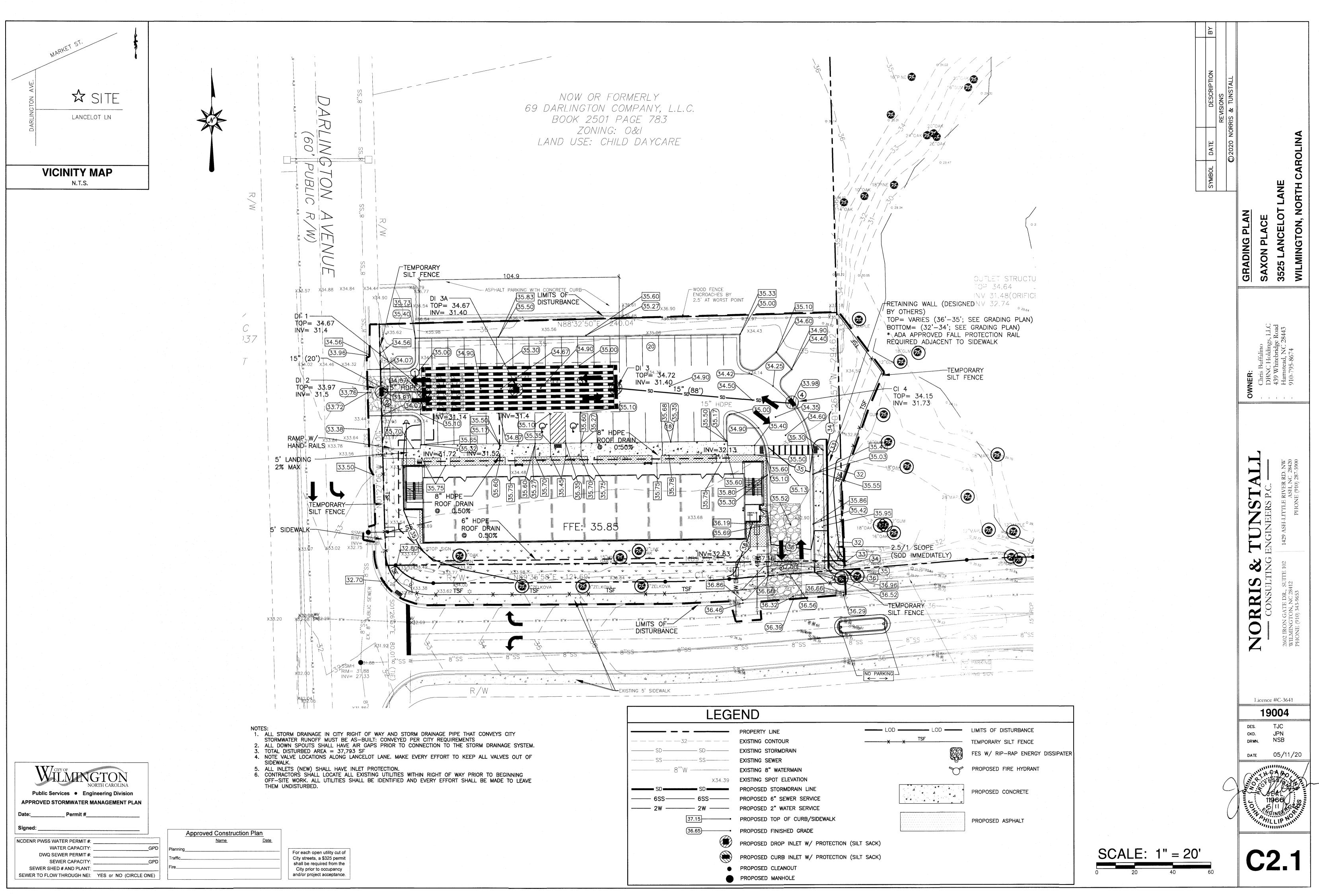
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Public Services • Engineering Division			
Public Services Engineering Division APPROVED DRAINAGE PLAN Date: Permit #			
	Approved Construction Plan Name Date		



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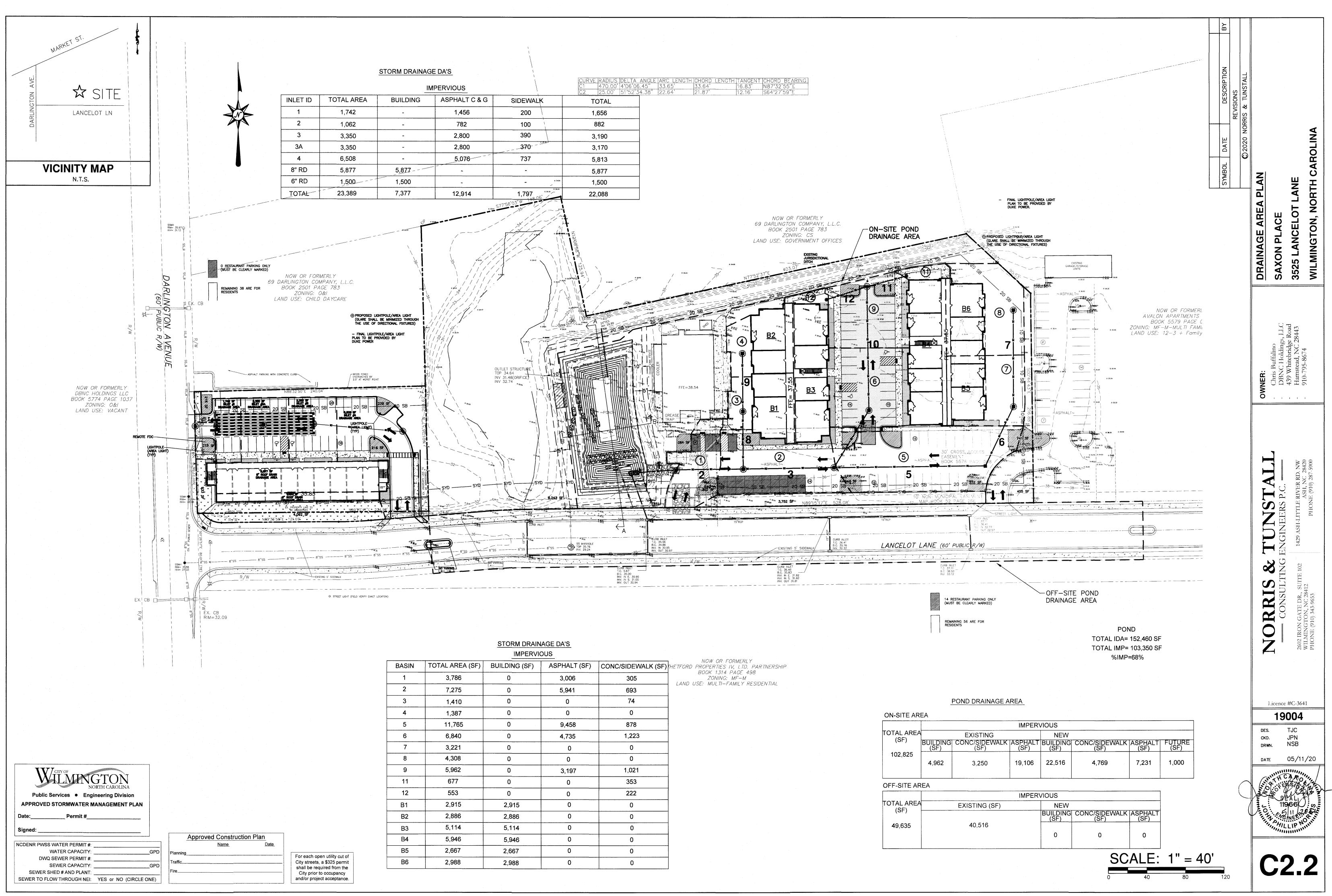
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			VER: Chris Buffalino DBNC Holdings, I.J.C 439 Whitebridge Road Hamstead, NC 28443 910-795-8674
			NER: Chris Buffalino DBNC Holding 439 Whitebridg Hamstead, NC 910-795-8674
			OWNER: - Chris - DBN - 439 W - 439 W - Hams - 910-7
			LLL . NW .28420 ⁷ -5900
			TUNEERS P.C. MGINEERS P.C. 1429 ASH-LITTLE RIVER RD. NW ASH, NC 28420 PHONE (910) 287-5900
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<u>4.81</u> ∞			
<u>36</u> <u>6</u>			ULTIN ULTIN Suite 102 8412
			RRI CONSUI GATE DR., SL 'ON, NC 28412 0) 343-9653
8"SS8"SS			PHONE (910) 343-9653
36 NO PARKING			
EXISTING SIGN			
	IMPERVIOUS ON-SITE :		Licence #C-3641 19004
	<u>EXISTING</u> BUILDING: 5,406 SF		des. TJC ckd. JPN
	CONCRETE/SIDEWALK: 8,710 ASPHALT: 21,595 SF TOTAL: 35,711	SF	drwn. NSB date 05/11/20
LEGEND	EXISTING TO BE REMOVED BUILDING: 444 SF CONCRETE/SIDEWALK: 5,460	SF	CARO
PROPERTY LINE EXISTING CONTOUR SD EXISTING STORMDRAIN	ASPHALT: 2,489 SF TOTAL: 8,393 SF		11966) 02:55 11 20:20
EXISTING SEWER EXISTING 8" WATERMAIN	EXISTING TO REMAIN BUILDING: 4,962 SF CONCRETE/SIDEWALK: 3,250 ASPHALT: 19,106	SF	HILLIP NOCH
X34.39 EXISTING SPOT ELEVATION 4"BIRCH XX EXISTING TREE TO BE REMOVED	SCALE: 1" =	20'	04 0
			C1.3

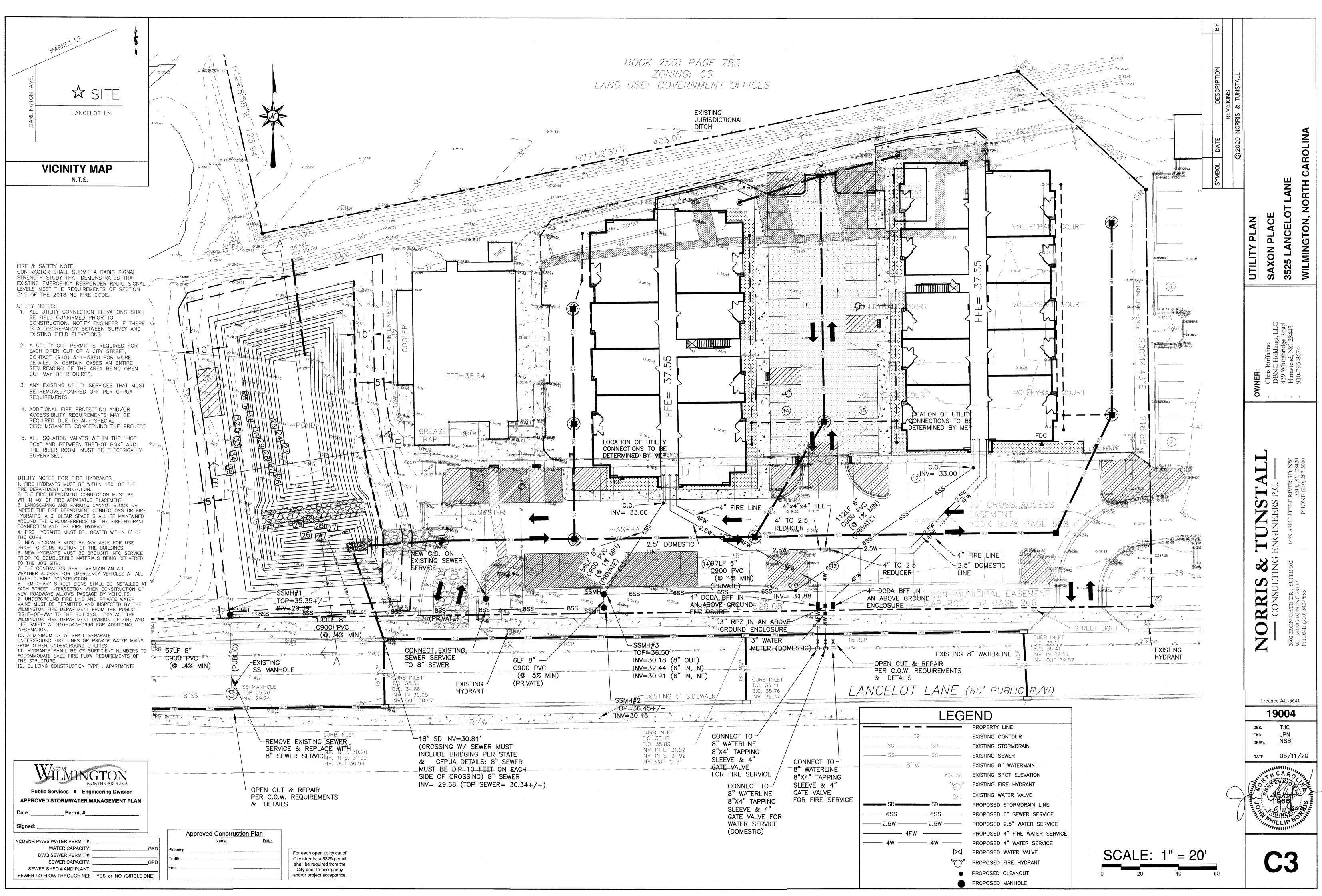


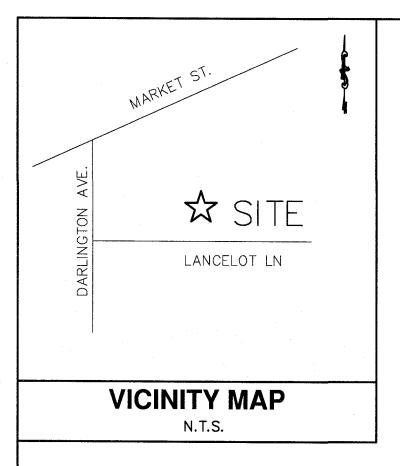


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SSS	PROPOSED 6" SEWER SERVICE	4
2W ———	PROPOSED 2" WATER SERVICE	
i •	PROPOSED TOP OF CURB/SIDEWALK	
j	PROPOSED FINISHED GRADE	
	PROPOSED DROP INLET W/ PROTECTION (SILT SACK)	
	PROPOSED CURB INLET W/ PROTECTION (SILT SACK)	
•	PROPOSED CLEANOUT	
•	PROPOSED MANHOLE	







FIRE & SAFETY NOTE: CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET THE REQUIREMENTS OF SECTION 510 OF THE 2018 NC FIRE CODE.

UTILITY NOTES: 1. ALL UTILITY CONNECTION ELEVATIONS SHALL BE FIELD CONFIRMED PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF THERE IS A DISCREPANCY BETWEEN SURVEY AND EXISTING FIELD ELEVATIONS.

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- 2. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET, CONTACT (910) 341–5899 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
- 3. ANY EXISTING UTILITY SERVICES THAT MUST BE REMOVED/CAPPED OFF PER CFPUA REQUIREMENTS.
- 4. ADDITIONAL FIRE PROTECTION AND/OR ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
- 5. ALL ISOLATION VALVES WITHIN THE "HOT BOX" AND BETWEEN THE "HOT BOX" AND THE RISER ROOM, MUST BE ELECTRICALLY SUPERVISED.

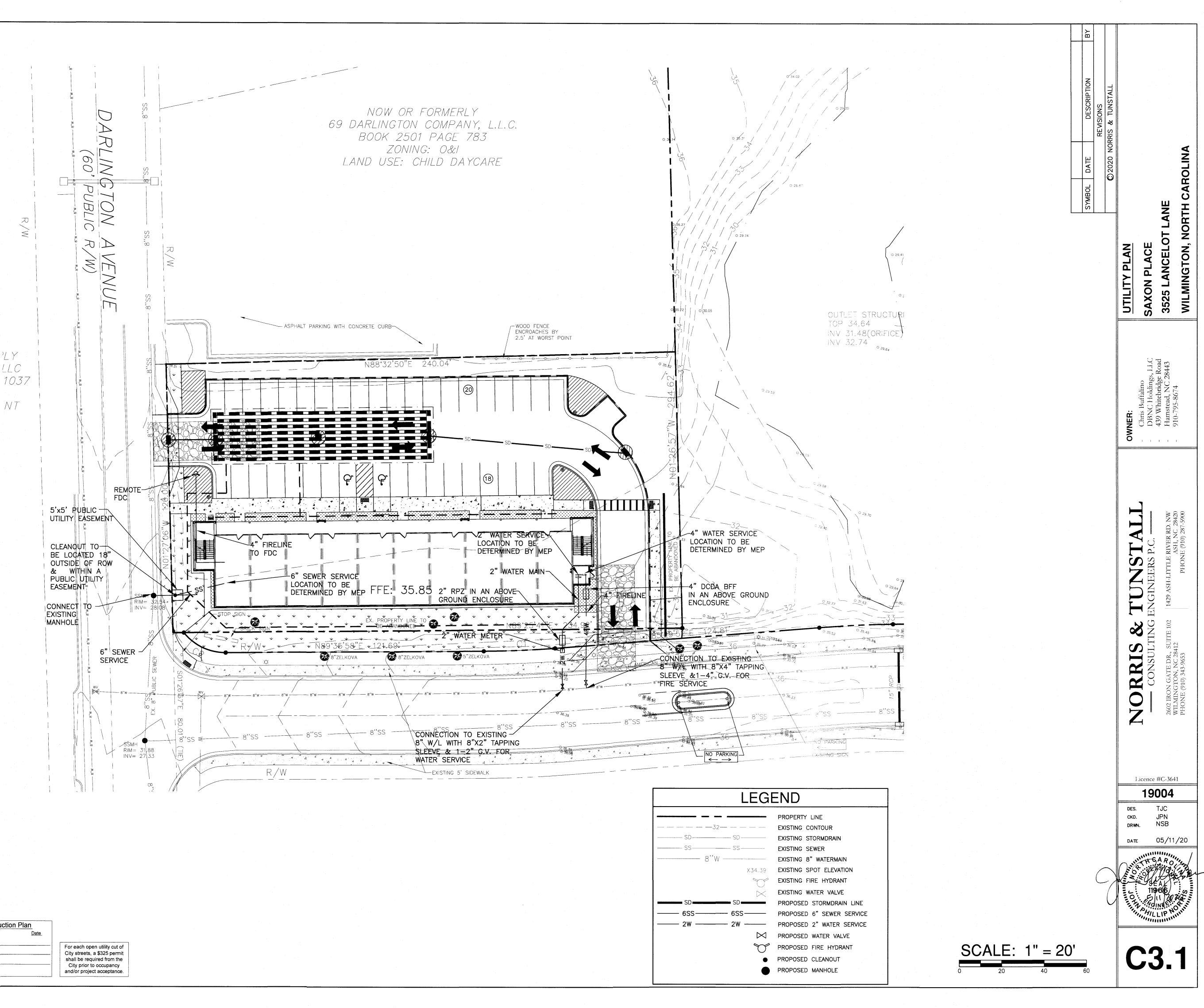
UTILITY NOTES FOR FIRE HYDRANTS 1. FIRE HYDRANTS MUST BE WITHIN 150' OF THE FIRE DEPARTMENT CONNECTION. 2. THE FIRE DEPARTMENT CONNECTION MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT. 3. LANDSCAPING AND PARKING CANNOT BLOCK OR IMPEDE THE FIRE DEPARTMENT CONNECTIONS OR FIRE HYDRANTS. A 3' CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE FIRE HYDRANT CONNECTION AND THE FIRE HYDRANT. 4. FIRE HYDRANTS MUST BE LOCATED WITHIN 8' OF THE CURB.

5. NEW HYDRANTS MUST BE AVAILABLE FOR USE PRIOR TO CONSTRUCTION OF THE BUILDINGS. 6. NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS BEING DELIVERED TO THE JOB SITE.

7. THE CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION. 8. TEMPORARY STREET SIGNS SHALL BE INSTALLED AT

EACH STREET INTERSECTION WHEN CONSTRUCTION OF NEW ROADWAYS ALLOWS PASSAGE BY VEHICLES. 9. UNDERGROUND FIRE LINE AND PRIVATE WATER MAINS MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-343-0696 FOR ADDITIONAL INFORMATION.

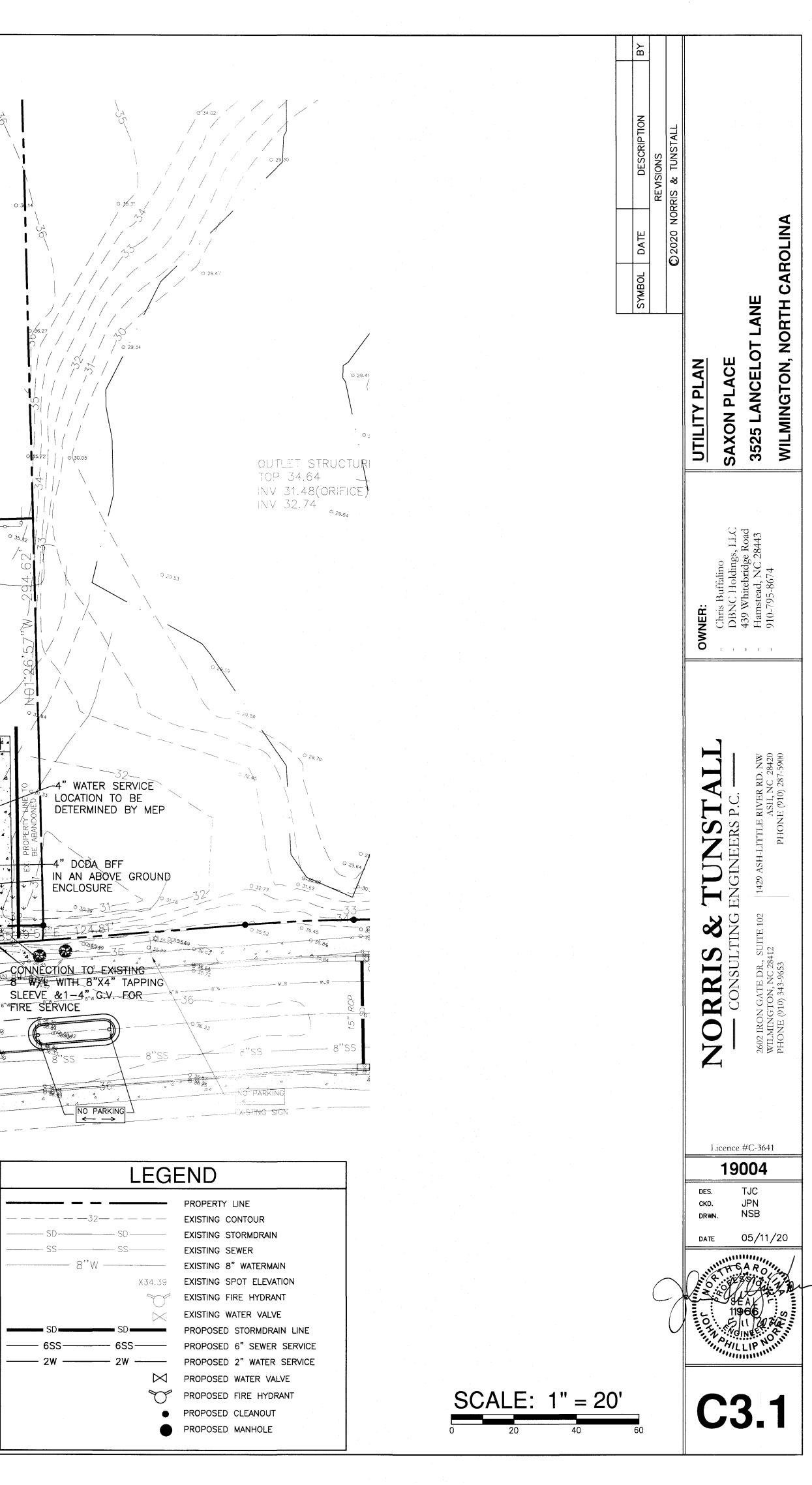
10. A MINIMUM OF 5' SHALL SEPARATE UNDERGROUND FIRE LINES OR PRIVATE WATER MAINS FROM OTHER UNDERGROUND UTILITIES. 11. HYDRANTS SHALL BE OF SUFFICIENT NUMBERS TO ACCOMMODATE BASE FIRE FLOW REQUIREMENTS OF THE STRUCTURE. 12. BUILDING CONSTRUCTION TYPE : APARTMENTS

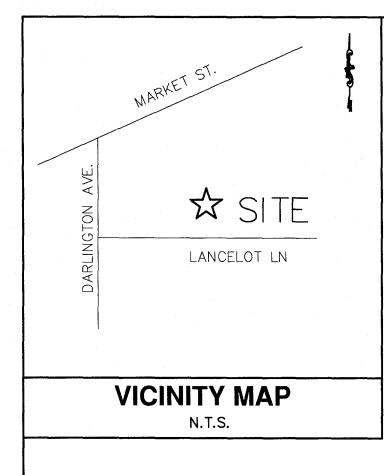


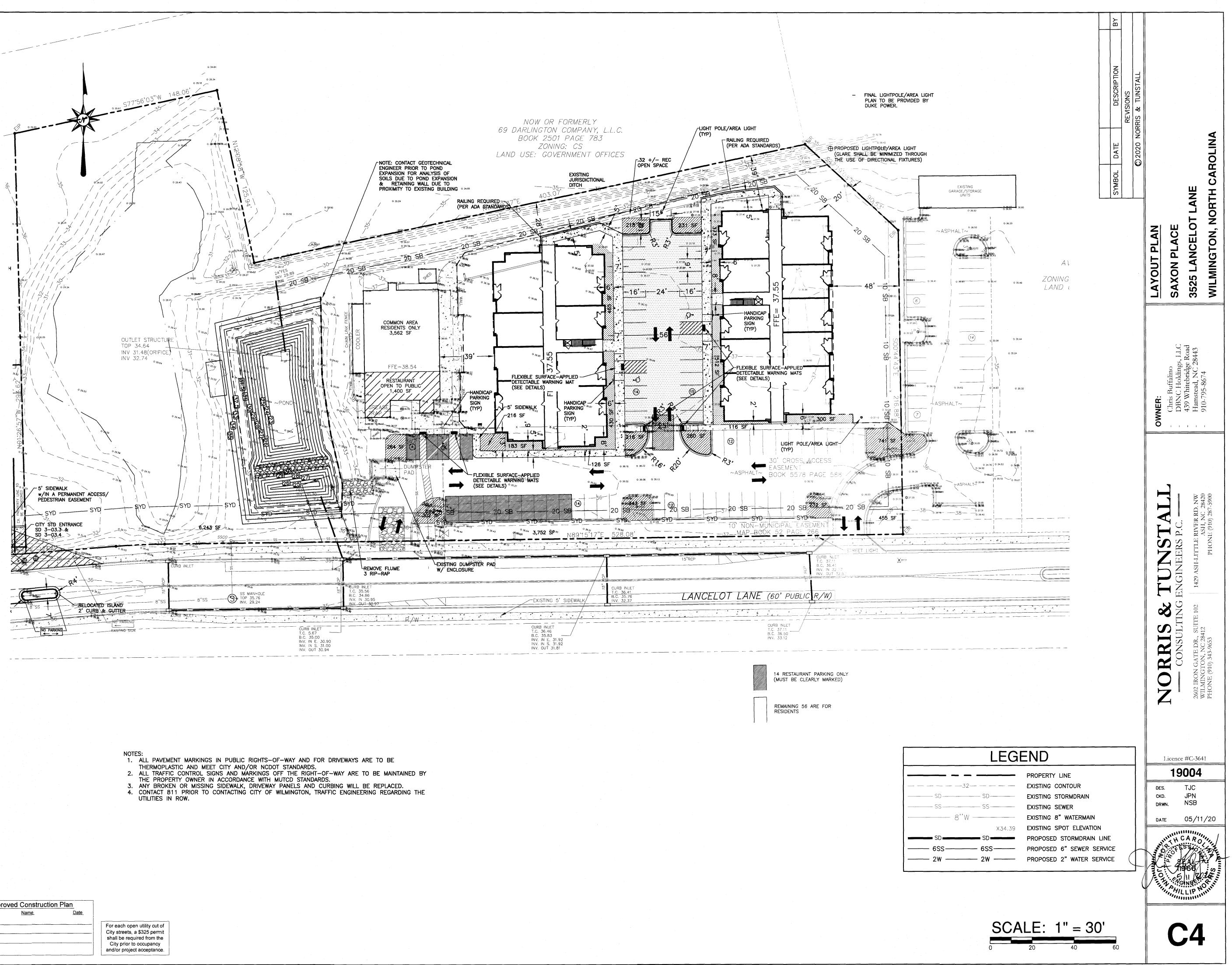
	WILM	NGTON NORTH CAROLINA
	Public Services •	Engineering Division
APP	ROVED STORMWA	TER MANAGEMENT PLA
Date:_	Perm	it #

Signed:	
NCDENR PWSS WATER PERMIT #:	
WATER CAPACITY:	GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	GPD
SEWER SHED # AND PLANT:	
SEWER TO FLOW THROUGH NEI:	YES or NO (CIRCLE ONE)

Approved Construction Plan		
	Name	Date
Planning		
Traffic		
Fire		



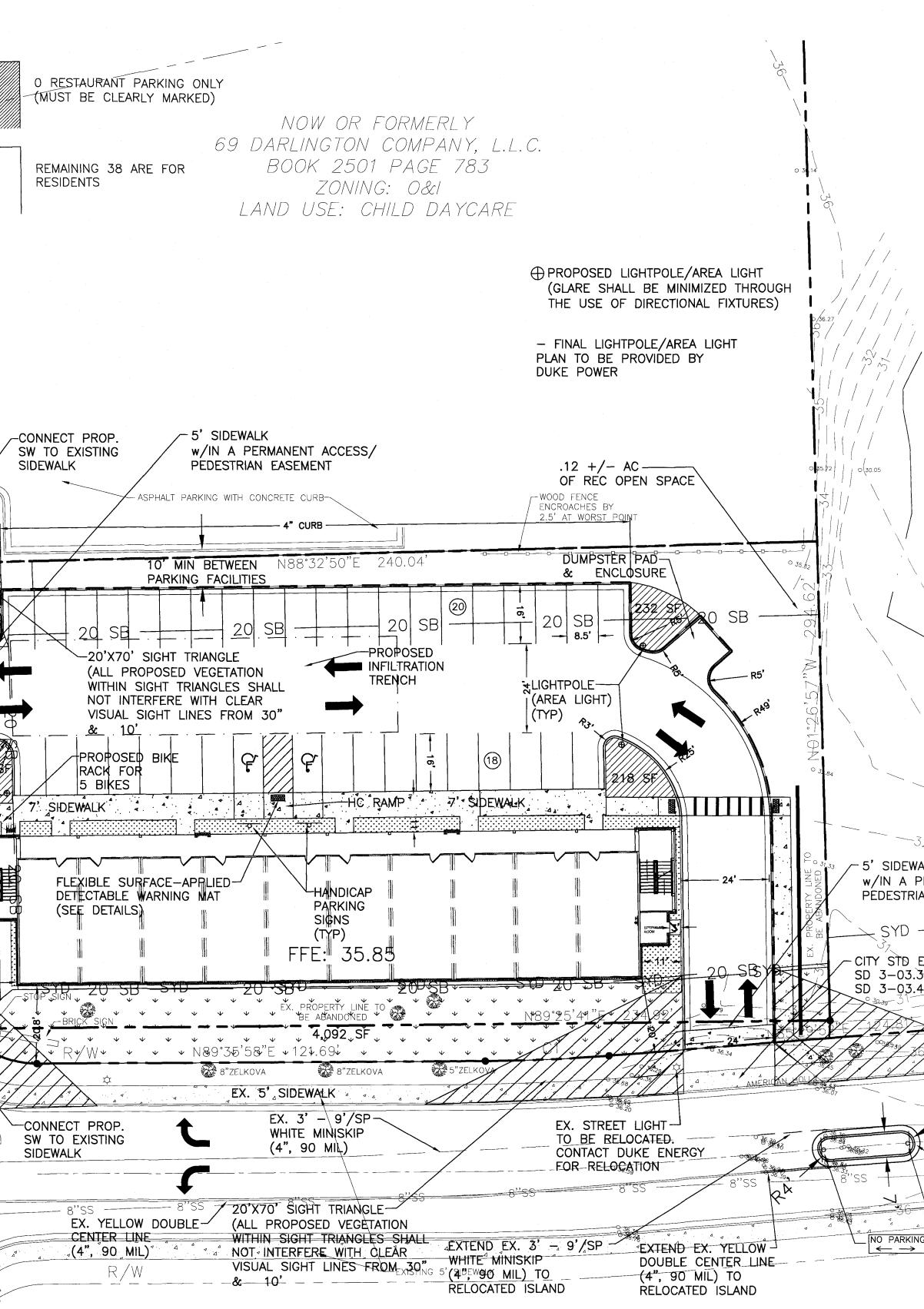




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WILMING	GTON DRTH CAROLINA
Public Services	ineering Division
APPROVED STORMWATER	IANAGEMENT PLAN
Date: Permit #	
Signed:	
NCDENR PWSS WATER PERMIT #:	
WATER CAPACITY:	GPD
DWQ SEWER PERMIT #:	
SEWER CAPACITY:	GPD
SEWER SHED # AND PLANT:	·
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Public Services • Engineering Division				UTILITIES IN	ROW. PACES MUST BE AVAIL
APPROVED STORMWATER MANAGEMENT PLAN Date: Permit #					
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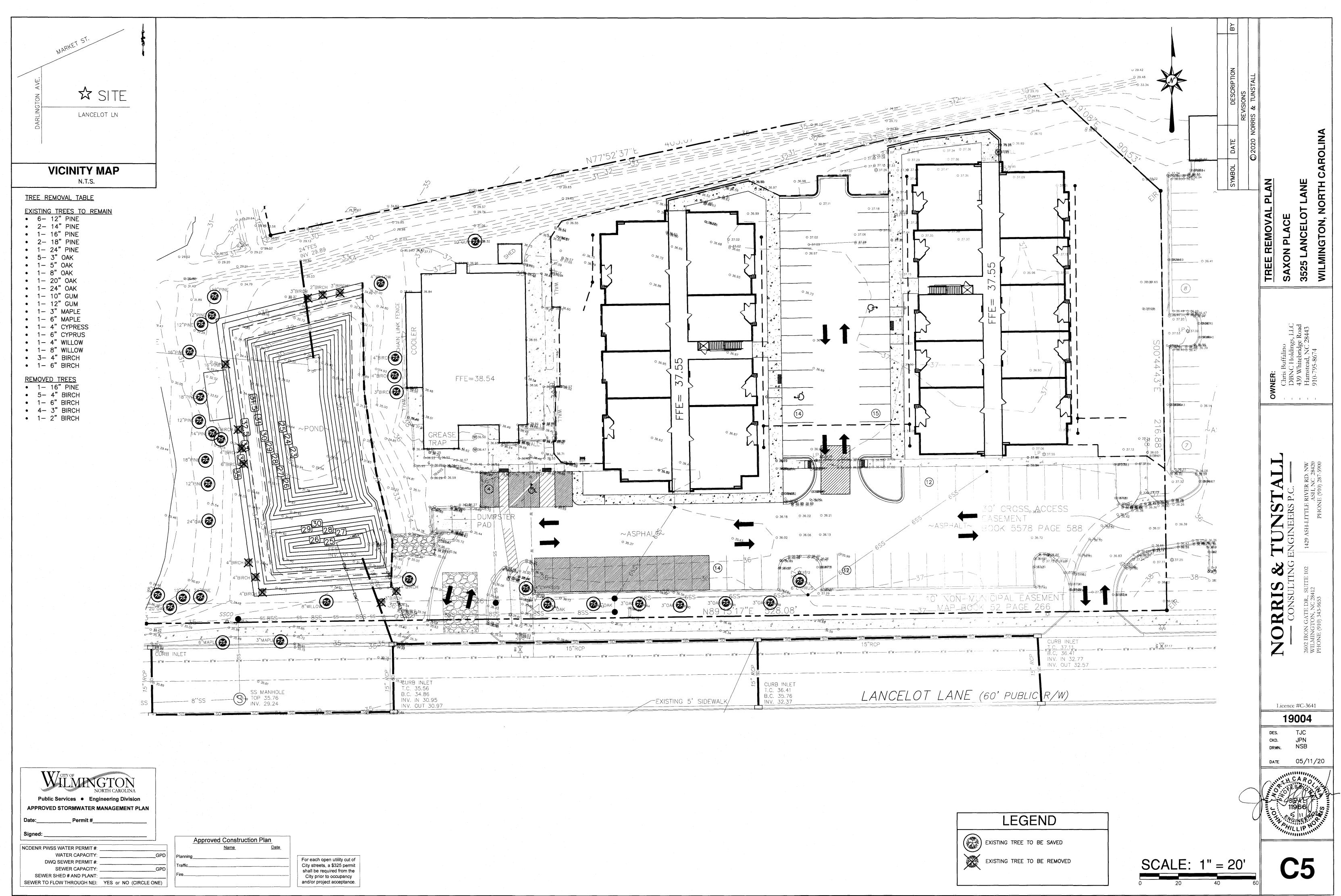


NOTE: REMOVE EXISTING PAVEMENT MARK

IGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE OR NCDOT STANDARDS. KINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY E WITH MUTCD STANDARDS. ORIVEWAY PANELS AND CURBING WILL BE REPLACED. CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE

TO OCCUPANTS AT ALL TIMES AND CLEARLY DESIGNATED AS

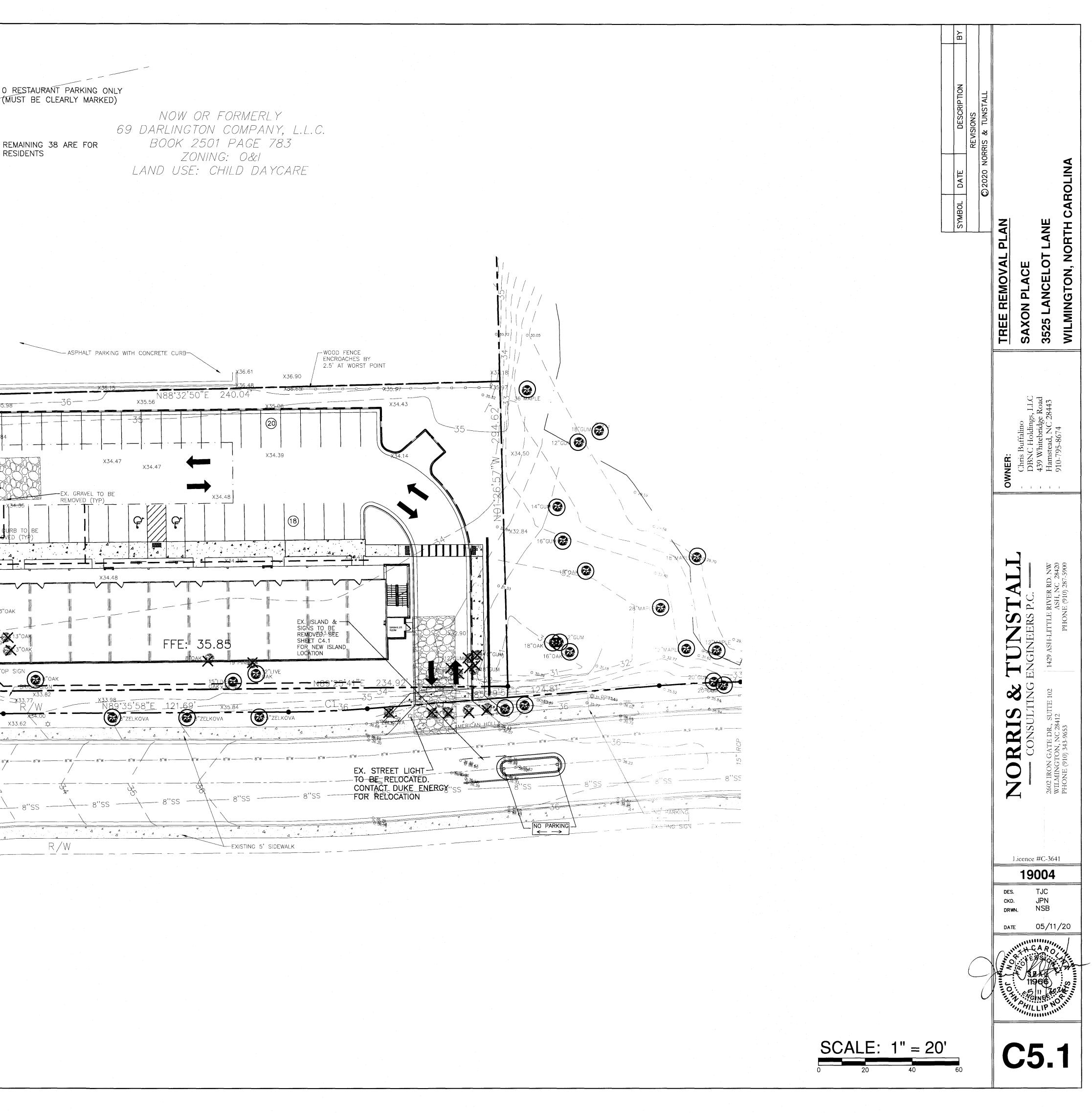
	SD S	PROPOSED 6" SEWER SERVICE	60	C4.1
ARKINGS & REPLACE AS REQUIRED.		EXISTING SPOT ELEVATION		DES. TJC CKD. JPN DRWN. NSB DATE 05/11/20 H C A R O C OF ESSION
	F ^{mm}			Licence #C-3641 19004
RELOCATED ISLAND 2' CURB & GUTTER NO PARK				Z ²⁶⁰²
RA' - 36				NORRIS & — CONSULTINC 2602 IRON GATE DR., SUITE 102 WILMINGTON, NC 28412 PHONE (910) 343-9653
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PERMANENT ACCESS/ RIAN EASEMENT DENTRANCE 3.3 &				TUNEERS P.C. MGINEERS P.C. 1429 ASH-J.ITTLE RIVER RD. NW ASH, NC 28420 PHONE (910) 287-5900
-32 0 32 WALK PERMANENT ACCESS /				ALL C. H, NC 28420 110) 287-5900
				OWNER: - Chris - DBN - 439 V - Hame - 910-7
° 29.53				VER: Chris Buffalino DBNC Holdings, IJJC 439 Whitebridge Road Hamstead, NC 28443 910-795-8674
				LAYOUT PLAN SAXON PLACE 3525 LANCELO WILMINGTON, I
, , , ,			SYMBOL	T LANE NORTH
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Public Services • APPROVED STORMWAT Date:Permit						

NOW OR FORMERLY



1. THE CONTRACTOR IS REQUIRED TO OBTAIN ANY/ALL PERMITS REQUIRED FOR CONSTRUCTION OF THESE PLANS 2. ALL WORK IS TO BE IN ACCORDANCE WITH CITY OF WILMINGTON, NEW HANOVER COUNTY, THE CAPE FEAR

PUBLIC UTILITY AUTHORITY (CFPUA) AND THE STATE OF NORTH CAROLINA. 3. THE CONTRACTOR IS TO ESTABLISH AND CHECK ALL HORIZONTAL AND VERTICAL CONTROLS TO BE USED WITH THE PROJECT. IN ADDITION, THE CONTRACTOR IS TO COMPUTE THE LAYOUT OF THE ENTIRE SITE PLAN IN ADVANCE OF BEGINNING ANY WORK ASSOCIATED WITH THE SUBJECT PLANS. CONTRACTOR SHALL EMPLOY A PROFESSIONAL SURVEYOR TO PERFORM SITE IMPROVEMENT STAKEOUT(S). 4. ANYTIME WORK IS PERFORMED OFF-SITE OR WITHIN AN EXISTING EASEMENT, THE CONTRACTOR IS TO NOTIFY THE HOLDER OF SAID EASEMENT AS TO THE NATURE OF PROPOSED WORK, AND TO FOLLOW ANY

GUIDELINES OR STANDARDS WHICH ARE ASSOCIATED WITH OR REFERENCED IN THE RECORDED EASEMENT.

GENERAL NOTES

- L EXISTING TOPOGRAPHY, BOUNDARY AND UTILITIES, HAVE BEEN PREPARED BY FIELD SURVEY BY ROBERT SESSOMS & ASSOCIATES, PLLC., APPROVED PLANS BY WITHERS & RAVENEL, INC. AND OTHER AVAILABLE INFORMATION.
- 2. REASONABLE CARE HAS BEEN EXERCISED IN SHOWING THE LOCATION OF EXISTING UTILITIES ON THE PLANS. THE EXACT LOCATION OF ALL EXISTING UTILITIES IS NOT KNOWN IN ALL CASES. THE CONTRACTOR SHALL EXPLORE THE AREA AHEAD OF DITCHING OPERATIONS BY OBSERVATIONS, ELECTRONIC DEVICES, HAND DIGGING AND BY PERSONAL CONTACT WITH THE UTILITY COMPANIES. IN ORDER TO LOCATE EXISTING UTILITIES IN ADVANCE OF TRENCHING OPERATIONS SO AS TO ELIMINATE OR MINIMIZE DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS RESULTING FROM ANY DAMAGE TO THE EXISTING UTILITY LINES INCLUDING LOSS OF UTILITY REVENUES. CONTRACTOR SHALL ARRANGE FOR TEMPORARY SUPPORT OF EXISTING UTILITIES, SUCH AS POLES, CONDUITS, FIBER OPTIC CABLES, TELEPHONE CABLES, WATER LINES, ETC ...
- 3. CONTRACTOR SHALL COMPLY WITH THE LATEST REVISIONS AND INTERPRETATIONS OF THE DEPARTMENT OF LABOR SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION PROMULGATED UNDER THE OCCUPATIONAL SAFETY AND HEALTH ACT.
- 4. CONTRACTOR SHALL PLAN AND CONSTRUCT WORK SO AS TO CAUSE MINIMUM INCONVENIENCE TO THE OWNER AND THE PUBLIC. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN AT ALL TIMES DURING THE PROGRESS OR TEMPORARY SUSPENSION OF WORK, SUITABLE BARRIERS, FENCES, SIGNS OR OTHER ADEQUATE PROTECTION, INCLUDING FLAGMEN AND WATCHMEN AS NECESSARY TO INSURE THE SAFETY OF THE PUBLIC AS WELL AS THOSE ENGAGED IN THE CONSTRUCTION WORK. CONSTRUCTION SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "CONSTRUCTION AND MAINTENANCE OPERATIONS SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BY THE DOT.
- 5. ALL MATERIAL CLEARED OR DEMOLISHED BY THE CONTRACTOR IN ORDER TO CONSTRUCT THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFF-SITE.
- 6. ALL WORK BY THE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR AFTER THE OWNER ACCEPTS THE WORK.
- 7. CONTRACTOR SHALL CALL THE NORTH CAROLINA ONE-CALL CENTER AT 1 (800) 632-4949 AND ALLOW THE CENTER TO LOCATE EXISTING UTILITIES BEFORE DIGGING.
- 8. CONTRACTOR SHALL REMOVE ASPHALT, AGGREGATE BASE COURSE, AND CONCRETE CURB & GUTTER WITHIN LIMITS OF DEMOLITION AS SHOWN ON PLAN.

DEMOLITION NOTES

- CONTRACTOR TO COORDINATE WITH THE OWNER TO PROPERLY MAINTAIN OR RELOCATE EXISTING SERVICE CONNECTIONS WHEN NECESSARY
- 2. CONTRACTOR IS TO WALK THE SITE AND BECOME FAMILIAR WITH THE SCOPE OF DEMOLITION REQUIRED. ALL DEMOLITION WORK REQUIRED TO CONSTRUCT NEW SITE IMPROVEMENTS WILL BE PERFORMED BY THE CONTRACTOR AND WILL BE UNCLASSIFIED EXCAVATION.
- 3. DEMOLITION SHALL INCLUDE BUT IS NOT LIMITED TO THE EXCAVATION, HAULING AND OFFSITE DISPOSAL OF CONCRETE PADS, CONCRETE DITCHES, FOUNDATIONS, SLABS, STEPS, AND STRUCTURES; ABANDONED UTILITIES, BUILDINGS, PAVEMENTS AND ALL MATERIALS CLEARED AND STRIPPED TO THE EXTENT NECESSARY AS DIRECTED BY THE SOILS ENGINEER FOR THE INSTALLATION OF THE NEW IMPROVEMENTS AND WITHIN THE LIMITS OF CLEARING AND GRADING AND AS SHOWN ON THESE PLANS.
- 4. THE CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES AND UTILITIES ON THE PROPERTY NOT TO BE DEMOLISHED. DAMAGE TO PROPERTIES OF OTHERS DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO COST TO
- 5. ELECTRIC, TELEPHONE, SANITARY SEWER, WATER AND STORM SEWER UTILITIES THAT SERVICE OFF-SITE PROPERTIES SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS BY THE CONTRACTOR.
- 6. EXISTING UTILITIES NOT INTENDED FOR DEMOLITION SHALL BE MAINTAINED, PROTECTED AND UNDISTURBED DURING DEMOLITION
- 7. ALL EXISTING IMPROVEMENTS INDICATED OR REQUIRED TO BE DEMOLISHED SHALL INCLUDE REMOVAL FROM THE PROPERTY AND PROPER DISPOSAL
- 8. CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING OVER HEAD AND UNDERGROUND UTILITIES INCLUDING CABLE, GAS, TELEPHONE AND ELECTRIC AND ANY OTHER UTILITIES THROUGH THE SITE WITH THE RESPECTIVE COMPANIES.

CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATIONS OF THE MAINS BY DIGGING

- 9. PROVIDE SMOOTH SAW CUT OF EXISTING PAVEMENTS, CURBS AND GUTTERS AND SIDEWALKS TO BE DEMOLISHED.
- 10. ALL DEMOLITION WORK SHALL BE DONE IN STRICT ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS AS WELL AS OSHA REGULATIONS. 11. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE

EROSION AND SEDIMENT CONTROL NOTES

GENERAL NOTES:

TEST PITS BY HAND.

- CLEAR AND REMOVE FROM SITE ALL TREES, ROOTS, ROOT MAT, ETC. FROM THE AREA WITHIN DESIGNATED CLEARING LIMITS.
- 2. PLANT GRASS OVER ALL GRADED AREAS AS SHOWN IN THE TABLE ON THIS SHEET OF CEASE OF ANY GRADING ACTIVITY.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND RESTORING TO PRE-CONSTRUCTION CONDITIONS ANY AREAS OUTSIDE THE PROJECT LIMITS THAT MAY INADVERTENTLY BE DAMAGED DUE TO THE FAILURE OF THE EROSION MEASURES
- 4. DURING GRADING AND AFTER GRADING HAS BEEN COMPLETED, CONTRACTOR SHALL CONTINUE TO MAINTAIN PERMANENT AND TEMPORARY EROSION CONTROL MEASURES UNTIL FINAL INSPECTION
- AND APPROVAL BY NEW HANOVER COUNTY.
- 5. WATER, FERTILIZE, MOW AND MAINTAIN SPRIGGED, SODDED AND PLANTED AREAS UNTIL FINAL APPROVAL BY NEW HANOVER COUNTY.
- 6. ANY BORROW MATERIAL BROUGHT ONTO SITE MUST BE FROM A LEGALLY OPERATED MINE OR OTHER APPROVED SOURCE.
- 7. ANY EXCESS MATERIAL REMOVED FROM SITE MUST BE HAULED TO A LEGALLY OPERATED MINE OR OTHER APPROVED SOURCE.

ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED. 2. ALL CONSTRUCTION ENTRANCES WILL BE PERIODICALLY TOP DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. ANY SEDIMENT THAT IS TRACKED INTO THE STREET WILL BE IMMEDIATELY REMOVED. 3. SEDIMENT WILL BE REMOVED BEHIND THE SEDIMENT FENCE WHEN IT BECOMES 0.5 FEET DEEP

MAINTENANCE PLAN

- AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. SILT FENCE STAKES WILL BE SPACED 6 FEET APART UNLESS A WIRE BACKING IS USED WITH 8 FOOT STAKE SPACING.
- 4. INSPECT INLET PROTECTION AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED. INSPECT SILT SACKS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. CLEAR THE SILT SACK OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE THE SILT SACK DURING SEDIMENT REMOVAL. REPLACE AS NEEDED
- 5. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
- 6. INSPECT SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE DESIGN DEPTH. CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE
- POOL AREAS. 7. INSPECT EXCELSIOR MATTING AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT REPAIR IMMEDIATELY. GOOD CONTACT WITH THE GROUND MUST BE MAINTAINED, AND EROSION MUST NOT OCCUR BENEATH THE MATTING. ANY AREAS OF THE MATTING THAT ARE DAMAGED OR NOT IN CLOSE CONTACT WITH THE GROUND SHALL BE REPAIRED AND STAPLED. IF EROSION OCCURS DUE TO POORLY CONTROLLED DRAINAGE, THE PROBLEM SHALL BE FIXED AND THE ERODED AREA PROTECTED. MONITOR AND REPAIR THE MATTING AS NECESSARY UNTIL GROUND COVER IS ESTABLISHED.

STABILIZATION NOTES

1. ALL DISTURBED AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY AND SLOPES WITHIN 21 CALENDAR DAYS.

PERMANENT SEEDING SCHEDULE - MIXTURE 5CP

CENTIPEDE GRASS

Seeding Dates MARCH – JUNE

BEYOND JUNE.

Soil Amendments APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 300 LB/ACRE 10-10-10 FERTILIZER. Mulch

DO NOT MULCH. Maintenance

FERTILIZE VERY SPARINGLY LB/ACRE NITROGEN IN SPRING WITH NO PHOSPHORUS. CENTIPEDE GRASS CANNOT TOLERATE HIGH PH OR EXCESS FERTILIZER.

TEMPORARY SEEDING-LATE WINTER/EARLY SPRING

WINTER AND EARLY SPRING

SPECIES Rye (GRAIN) *ANNUAL LESPEDEZA (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS) *OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND

SUMMER

<u>SPECIES</u> GERMAN	MILLET		<u>RATE (L</u> 4

FALL SPECIES RATE (LB/ACRE) RYE (GRAIN)

Seeding dates COASTAL PLAIN - DEC.1-APR. 15 - LATE WINTER AND EARLY SPRING APRIL 15 - AUG. 15 - SUMMER AUG. 15 - DEC. 30 - FALL

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

Mulch

APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

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

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN

RATE (LB/ACRE) 10-20

RATE (LB/ACRE) 120

LB/ACRE) 40

GENERAL GRADING NOTES

- 1. REASONABLE CARE HAS BEEN EXERCISED IN SHOWING THE LOCATION OF EXISTING UTILITIES ON THE PLANS. THE EXACT LOCATION OF SUCH UTILITIES IS NOT KNOWN IN ALL CASES. THE CONTRACTOR SHALL EXPLORE THE AREA AHEAD OF THE DITCHING OPERATION BY OBSERVATIONS, ELECTRONIC DEVICES, HAND DIGGING AND BY PERSONAL CONTACT WITH THE UTILITY COMPANIES IN ORDER TO LOCATE EXISTING UTILITIES IN ADVANCE OF THE TRENCHING OPERATIONS SO AS TO AVOID AND PREVENT DAMAGE TO THE EXISTING UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST RESULTING FROM ANY DAMAGE TO THE EXISTING UTILITY LINES INCLUDING BUT NOT LIMITED TO REPAIRS AND LOSS SERVICE REVENUE. CONTRACTOR SHALL ARRANGE FOR TEMPORARY SUPPORT OF EXISTING UTILITIES, SUCH AS
- POLES, CONDUITS, FIBER OPTIC CABLES, TELEPHONE CABLES, WATER LINES, ETC ... 2. CONTRACTOR SHALL COMPLY WITH THE LATEST REVISIONS AND INTERPRETATIONS OF THE DEPARTMENT OF LABOR SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION PROMULGATED UNDER THE OCCUPATIONAL SAFETY AND HEALTH ACT.
- 3. CONTRACTOR SHALL PLAN AND CONSTRUCT WORK SO AS TO CAUSE MINIMUM INCONVENIENCE TO THE OWNER AND THE PUBLIC. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN AT ALL TIMES DURING THE PROGRESS OR TEMPORARY SUSPENSION OF WORK, SUITABLE BARRIERS, FENCES, SIGNS OR OTHER ADEQUATE PROTECTION, INCLUDING FLAG MEN AND WATCHMEN AS NECESSARY TO INSURE THE SAFETY OF THE PUBLIC AS WELL AS THOSE ENGAGED IN THE CONSTRUCTION WORK. CONSTRUCTION SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "CONSTRUCTION AND MAINTENANCE OPERATIONS SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BY THE NCDOT.
- 4. ALL MATERIAL CLEARED AND GRUBBED BY THE CONTRACTOR IN ORDER TO CONSTRUCT THE WORK, SUCH AS TREES, VEGETATION, FENCING, ETC ... SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFF-SITE OR BURNED IF PROPER PERMITS ARE RECEIVED.

SITE NOTES

- 1. ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED O THE OWNER PRIOR TO START OF CONSTRUCTION. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION
- 2. THE GENERAL CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND R.O.W.'S PUBLIC OR PRIVATE, PRIOR TO WORKING IN THESE AREAS.
- . CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
- 4. ACCESS TO UTILITIES, FIRE HYDRANTS, STREET LIGHTING, ETC., SHALL REMAIN UNDISTURBED, UNLESS COORDINATED WITH THE RESPECTIVE UTILITY.
- 5. DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- THE GENERAL CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION. 7. THE GENERAL CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS"
- BROOM CLEAN AT ALL TIMES. 8. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE ENGINEER.
- 9. IF DEPARTURES FROM THE SPECIFICATIONS OR DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE GIVEN TO THE OWNER FOR REVIEW, NO DEPARTURES FROM THE CONTRACT DOCUMENT SHALL BE MADE WITHOUT THE PERMISSION OF THE OWNER.
- 10. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COST HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. O CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE OTHER OBSTRUCTIONS OR FROM DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. CONTACT NORTH CAROLINA ONE CALL" TOLL FREE 1-800-632-4949 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NONSUBSCRIBING UTILITIES.
- 11. ALL PERMITS RELATIVE TO PROJECT MUST BE OBTAINED, PRIOR TO CONSTRUCTION 12. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH PERMITS ISSUED AND APPLICABLE STATE, COUNTY, AND LOCAL CODES.
- 13. FOR BUILDING DIMENSIONS, SEE ARCHITECTURAL DRAWINGS.
- 14. ALL DIMENSIONS AND RADII ARE TO OUTSIDE FACE OF BUILDING OR TO FACE OF CURB UNLESS OTHERWISE NOTED.
- 15. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL INSPECTIONS, CERTIFICATIONS, EQUIPMENT, ETC., THAT MAY BE REQUIRED.
- 16. THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
- GENERAL STORM SEWER NOTES ALL STORM SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF WILMINGTON AND THE STATE OF NORTH CAROLINA REQUIREMENTS AS SPECIFIED ON THE DRAWINGS AND IN THE PROJECT SPECIFICATIONS
- PROJECT SPECIFICATIONS, AND MANUFACTURER SPECIFICATIONS.
- SPECIFIED. ALL STORM SEWER PIPES SHOWN AS RCP ON THE PLANS SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-76, UNLESS INDICATED OTHERWISE ON

	GROUND STABILIZATION							
SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS						
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE						
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE						
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.						
SLOPES 3:1 OR FLATTER	14 DAYS	7-DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH						
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)						

- EXISTING UTILITY NOTES
- 1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THE ACTUAL LOCATION AND AVAILABILITY OF ALL EXISTING AND PROPOSED UTILITIES IN THE FIELD PRIOR TO GROUND BREAKING.
- 2. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY FIELD CONDITIONS PRIOR O BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY,

UTILITY CONTACTS: 1. CONTACT THE NORTH CAROLINA ONE CALL CENTER PRIOR TO DOING AND DIGGING. 1-800-632-4949

NOTICE REQUIRED ALL EXISTING UNDERGROUND UTILITIES SHALL BE PHYSICALLY LOCATED BY CONTRACTOR PRIOR TO THE BEGINNING OF ANY CONSTRUCTION IN THE VICINITY OF SAID UTILITIES. CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES

IN THE AREA OF PROPOSED EXCAVATION AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO ANY EXCAVATION OR DEMOLITION. CONTACT "CAROLINA ONE CALL" AT 1-800-632-4949

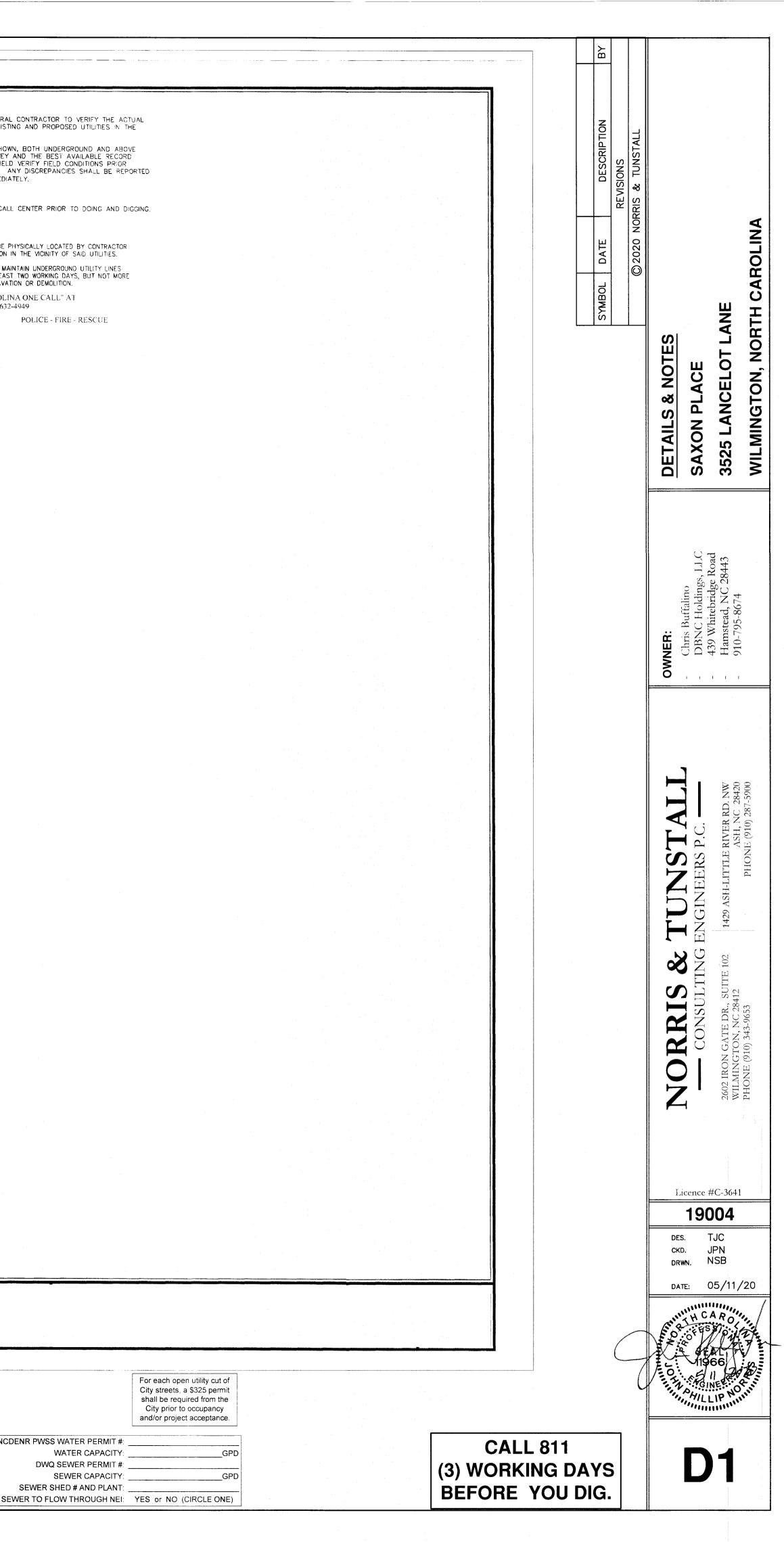
EMERGENCY DIAL 911 POLICE - FIRE - RESCUE

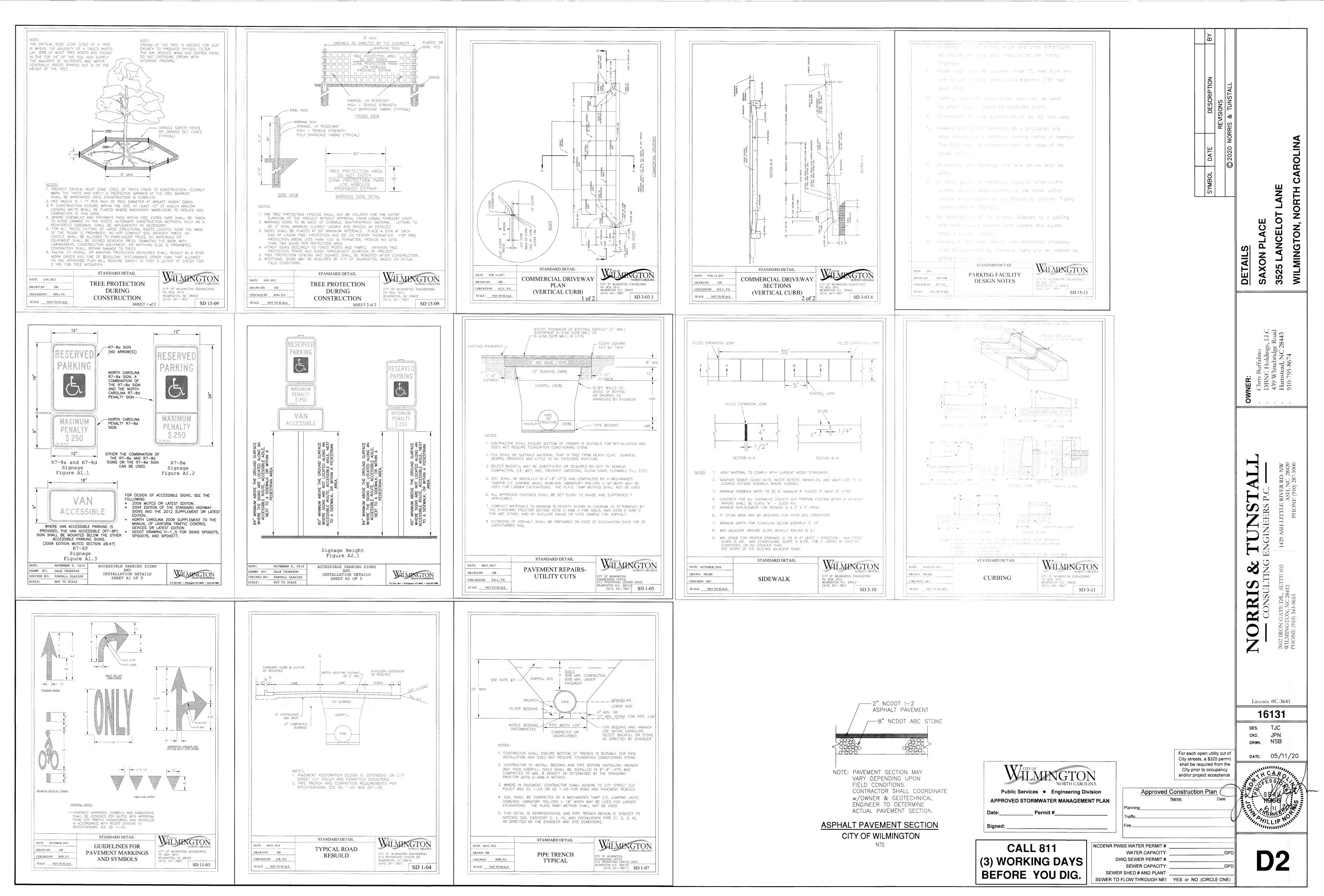
WILMINGTON NORTH CAROLINA
Public Services
APPROVED STORMWATER MANAGEMENT PLAN
Date: Permit #
Signed:

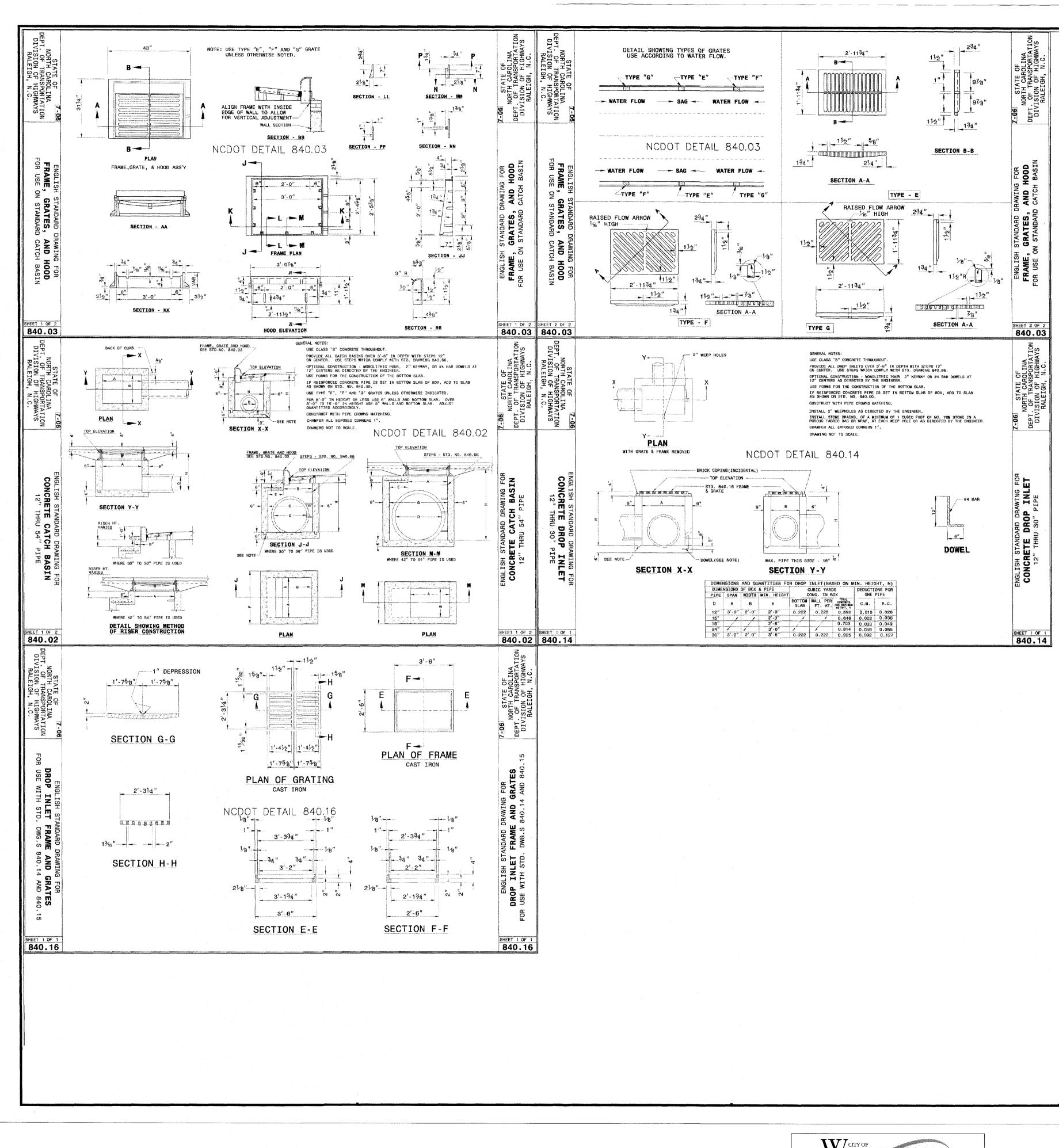
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NCDENR PWSS WATER PERMIT #: WATER CAPACITY DWQ SEWER PERMIT # SEWER CAPACITY: SEWER SHED # AND PLANT:

- - 2. BEDDING FOR ALL STORM SEWER PIPE SHALL BE AS SPECIFIED ON THE DRAWINGS, 3. ALL STORM SEWER PIPES TO BE HDPE ADS N-12 OR EQUIVALENT, UNLESS OTHERWISE







SEQUENCE OF CONSTRUCTION

LIMITS OF CONSTRUCTION = 0.87 ACRES 1. INSTALL TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON EROSION & SEDIMENT CONTROL PLAN.

2. INSTALL PERIMETER CONTROLS (TEMPORARY SILT FENCE, TREE PROTECTION FENCING) AS SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN. THIS STEP NEEDS TO BE COMPLETED PRIOR TO UPSLOPE LAND DISTURBING ACTIVITIES.

3. ONCE PERIMETER CONTROLS AND SEDIMENT TRAPPING MEASURES ARE INSTALLED CLEAR AND GRUB SITE WITHIN LIMITS OF DISTURBANCE.

4. UPON BRINGING THE SITE TO ROUGH GRADE, STABILIZE ALL AREAS WITH TEMPORARY VEGETATION IF LEFT UNDISTURBED FOR 15 WORKING DAYS AND ALL SLOPES WITHIN 21 CALENDAR DAYS.

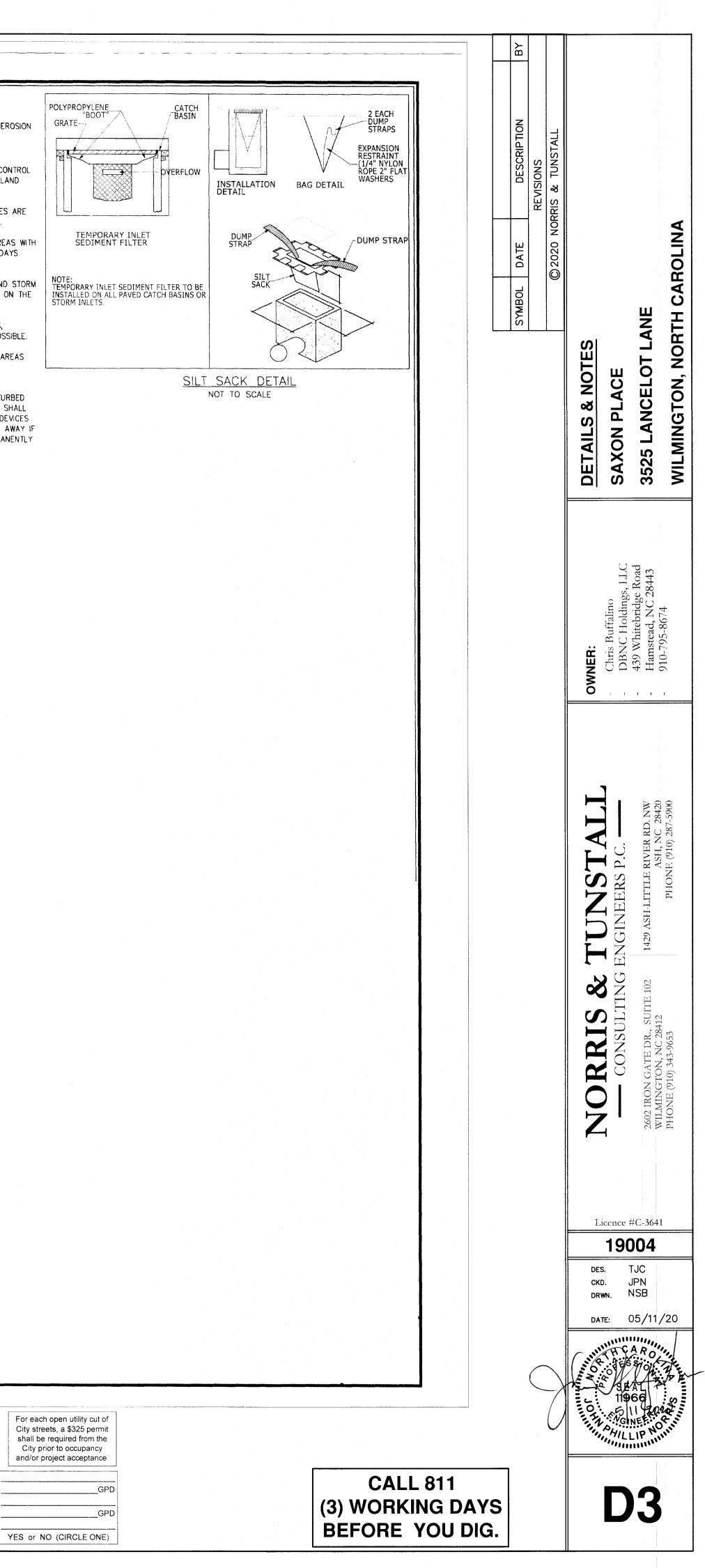
5. ONCE THE PARKING AREAS, SANITARY SEWERS, WATERLINES AND STORM SEWERS ARE IN PLACE, INSTALL INLET PROTECTION AS INDICATED ON THE EROSION & SEDIMENT CONTROL PLAN.

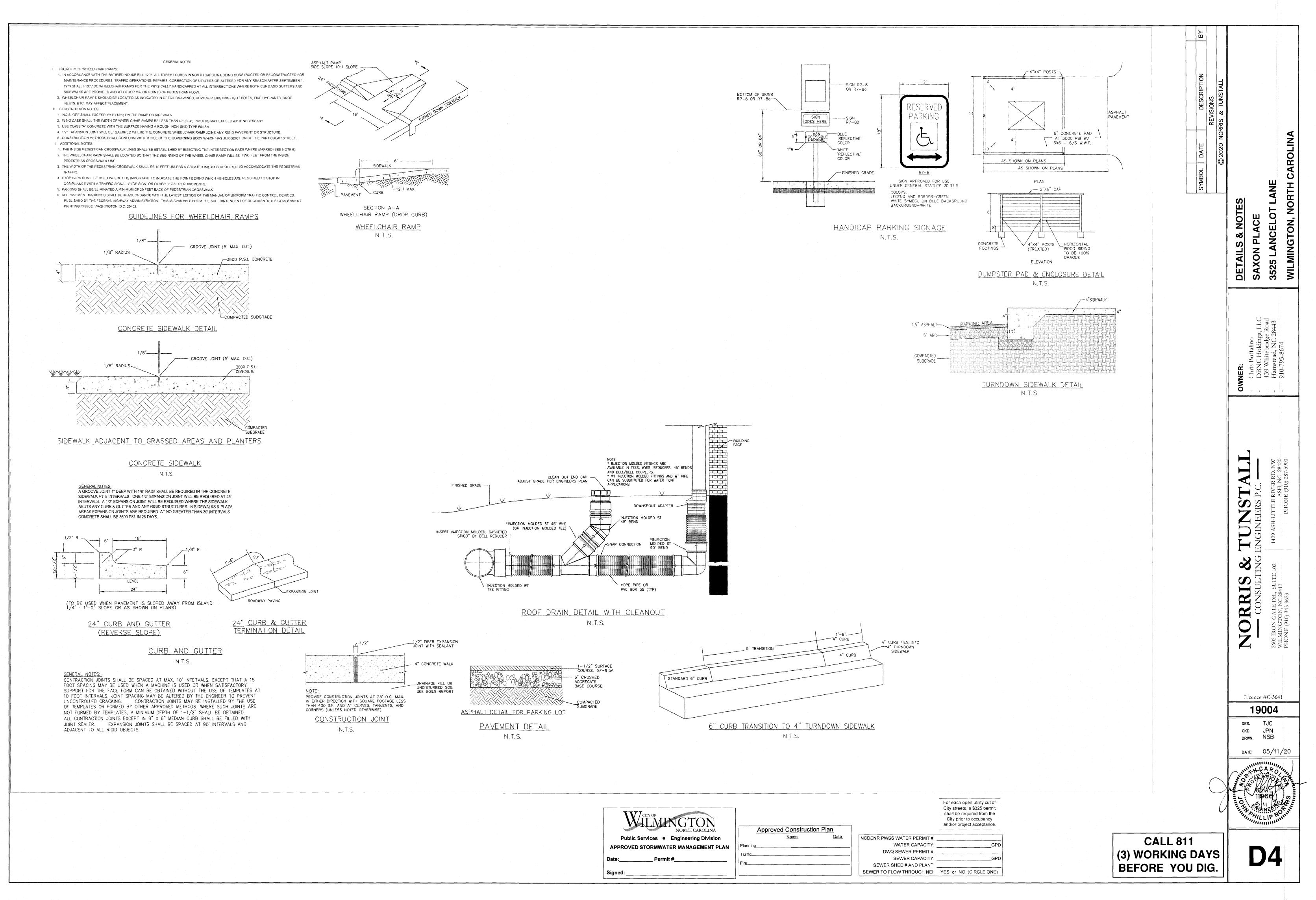
7. UPON BRINGING THE PARKING AREA TO SUBGRADE ELEVATIONS, STABILIZE THE AREAS BY PLACING STONE BASE AS EARLY AS POSSIBLE.

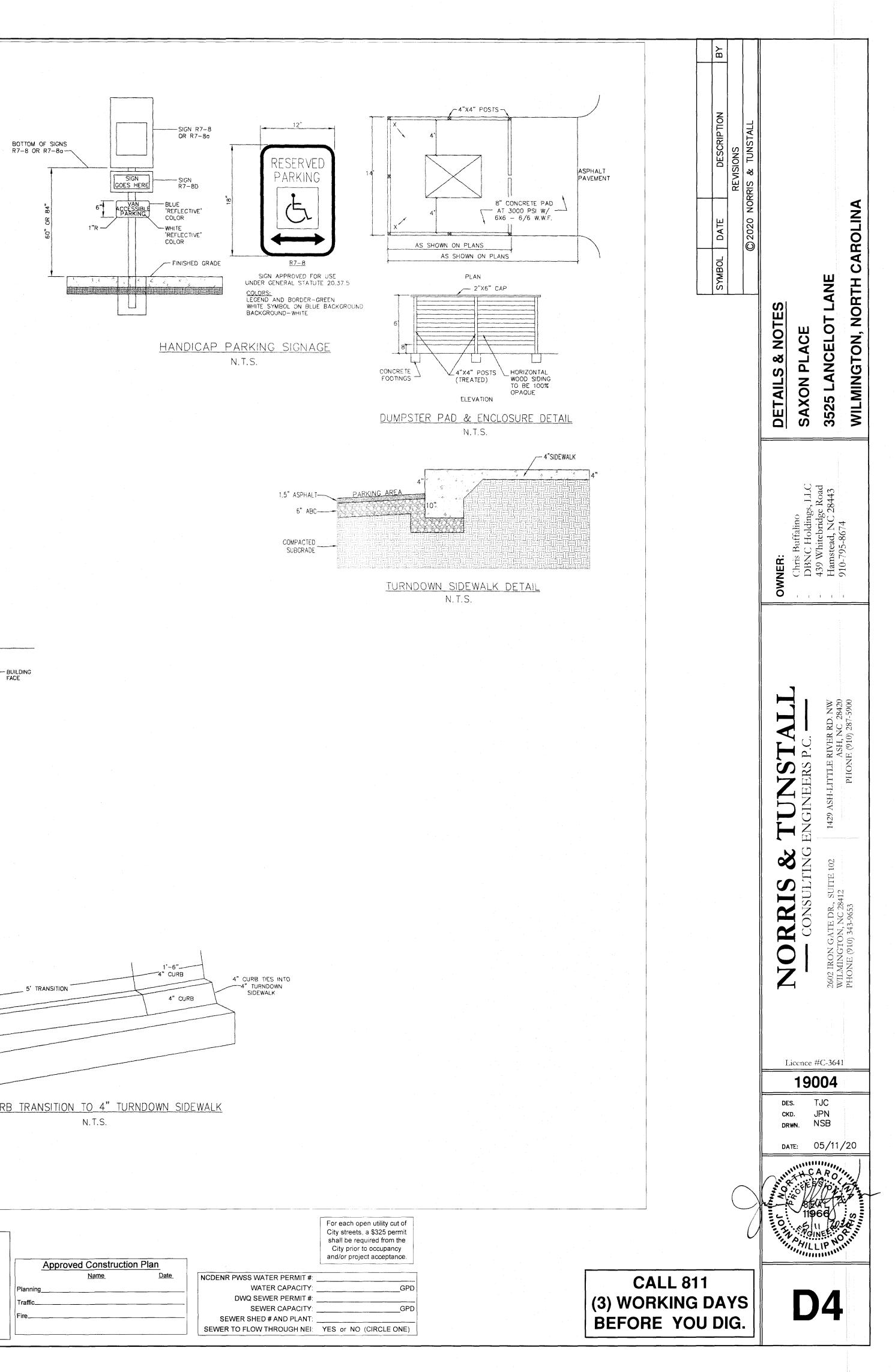
8. FOR TEMPORARY VEGETATIVE STABILIZATION OF ALL DENUDED AREAS SEE NOTE REFERENCING THE EROSION CONTROL PROGRAM AND SPECIFICATIONS ON SHEET C-1.

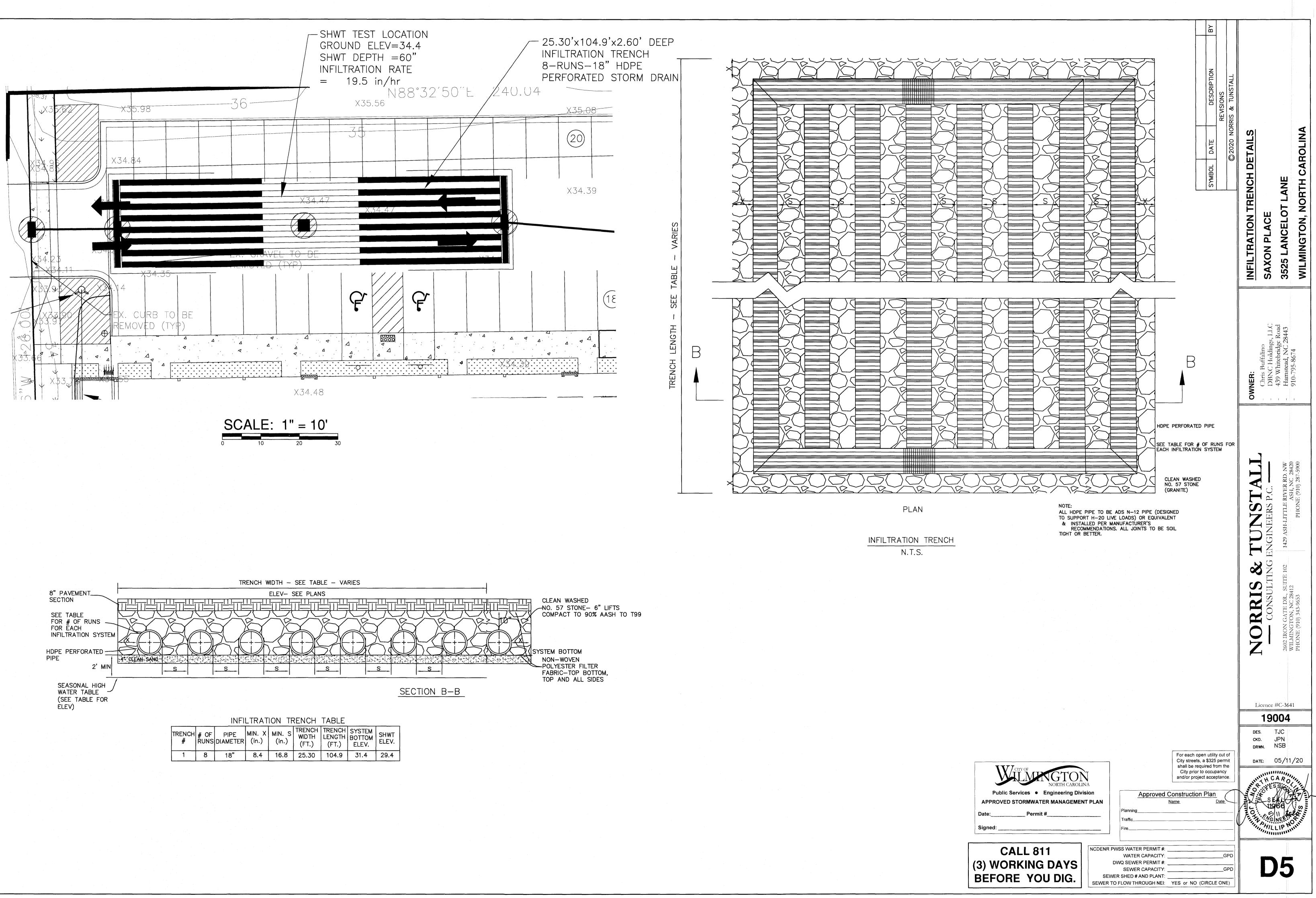
9. AFTER CONSTRUCTION OPERATIONS HAVE ENDED AND ALL DISTURBED AREAS HAVE BEEN STABILIZED, MECHANICAL SEDIMENT CONTROLS SHALL BE REMOVED. SEDIMENT FROM TEMPORARY SEDIMENT TRAPPING DEVICES SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR HAULING AWAY IF NOT SUITABLE FOR FILL. ALL DENUDED AREAS ARE TO BE PERMANENTLY STABILIZED WITH PERMANENT VEGETATION.

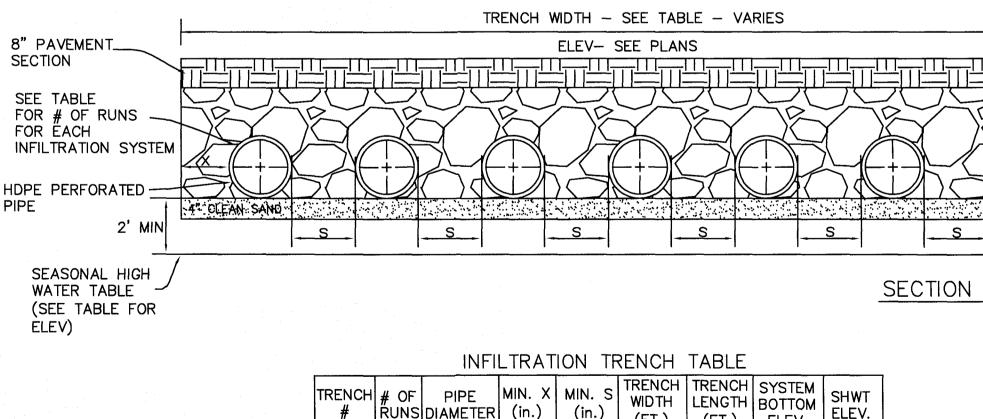
WILMINGTON NORTH CAROLINA	Approved Construction Plan	
Public Services Engineering Division APPROVED STORMWATER MANAGEMENT PLAN	Name <u>Date</u>	NCDENR PWSS WATER PERMIT #: WATER CAPACITY:
Date: Permit #	Traffic	DWQ SEWER PERMIT #: SEWER CAPACITY:
Signed:	Fire	SEWER SHED # AND PLANT: _ SEWER TO FLOW THROUGH NEI:

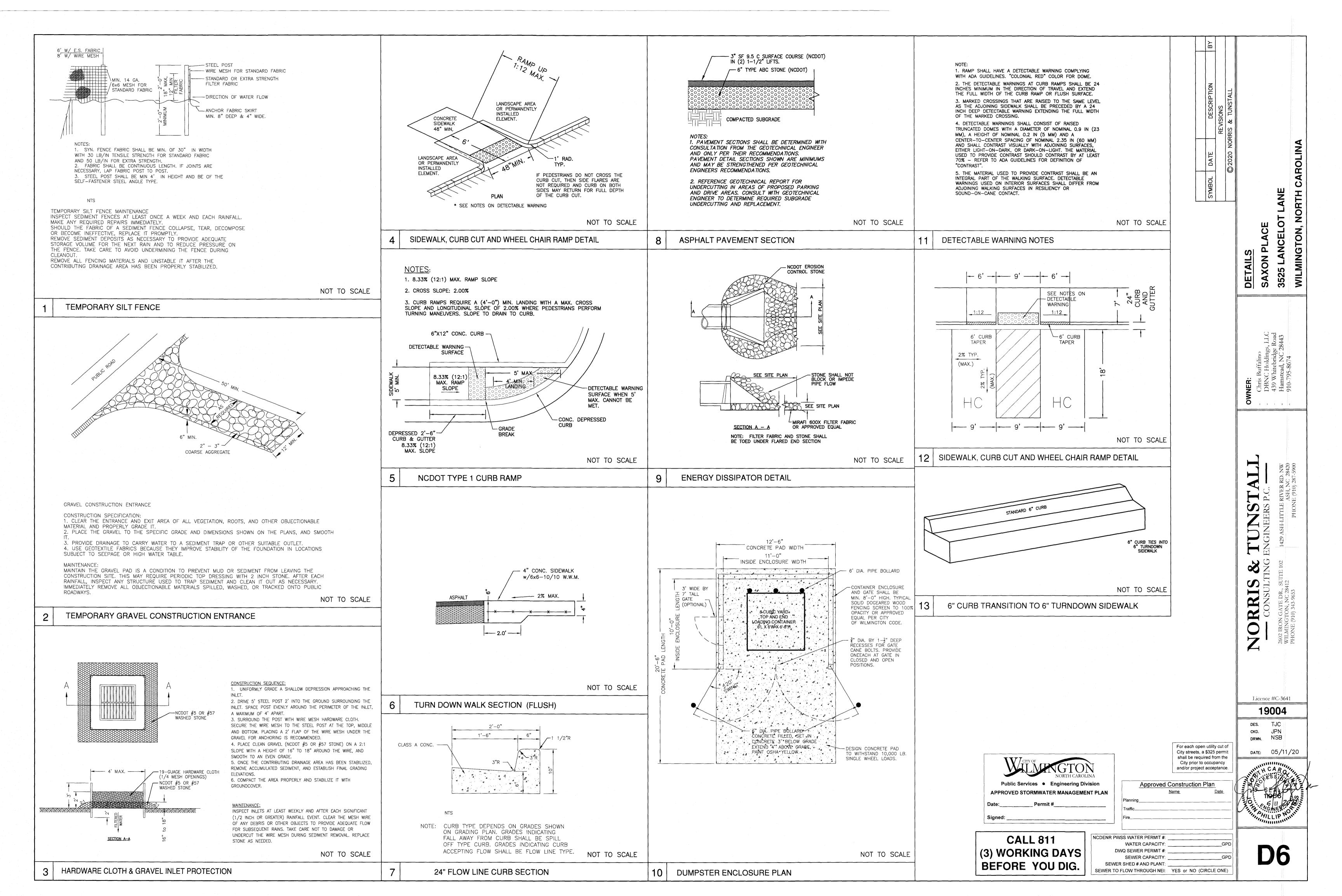












GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT Implementing the details and specifications on this plan sheet will result in the construction

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

SECTION E: GROUND STABILIZATION **Required Ground Stabilization Timeframes** Stabilize within this many calendar **Timeframe variations** Site Area Description days after ceasing land disturbance (a) Perimeter dikes, swales, ditches, and None perimeter slopes (b) High Quality Water None (HQW) Zones If slopes are 10' or less in length and are (c) Slopes steeper than not steeper than 2:1, 14 days are allowed -7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, 14 (d) Slopes 3:1 to 4:1 ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed 7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones (e) Areas with slopes 14 -10 days for Falls Lake Watershed unless flatter than 4:1 there is zero slope **Note:** After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing

activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

without temporary grass seed

Plastic sheeting

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below: **Temporary Stabilization Permanent Stabilization** • Temporary grass seed covered with straw or • Permanent grass seed covered with straw or other mulches and tackifiers other mulches and tackifiers Hydroseeding • Geotextile fabrics such as permanent soil • Rolled erosion control products with or reinforcement matting

- Hydroseeding Appropriately applied straw or other mulch
 - Shrubs or other permanent plantings covered with mulch
 - Uniform and evenly distributed ground cover sufficient to restrain erosion
 - Structural methods such as concrete, asphalt or retaining walls
 - Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures. Apply flocculants at the concentrations specified in the NC DWR List of Approved
- *PAMS/Flocculants* and in accordance with the manufacturer's instructions. 4. Provide ponding area for containment of treated Stormwater before discharging
- offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- 2. Provide drip pans under any stored equipment.
- 3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- 4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- receptacle) on site to contain construction and domestic wastes. Locate waste containers at least 50 feet away from storm drain inlets and surface
- waters unless no other alternatives are reasonably available. from upland areas and does not drain directly to a storm drain, stream or wetland. provide secondary containment. Repair or replace damaged waste containers.
- 4. Locate waste containers on areas that do not receive substantial amounts of runoff 5. Cover waste containers at the end of each workday and before storm events or
- 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.

PAINT AND OTHER LIQUID WASTE

- Contain liquid wastes in a controlled area.
- construction sites.

PORTABLE TOILETS

- on a gravel pad and surround with sand bags.
- foot traffic areas.
- with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- available.
- five feet from the toe of stockpile.
- Provide stable stone access point when feasible.

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

Maintain vehicles and equipment to prevent discharge of fluids.

to a recycling or disposal center that handles these materials.

1. Never bury or burn waste. Place litter and debris in approved waste containers. 2. Provide a sufficient number and size of waste containers (e.g dumpster, trash

9. On business days, clean up and dispose of waste in designated waste containers.

1. Do not dump paint and other liquid waste into storm drains, streams or wetlands. 2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.

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

Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place

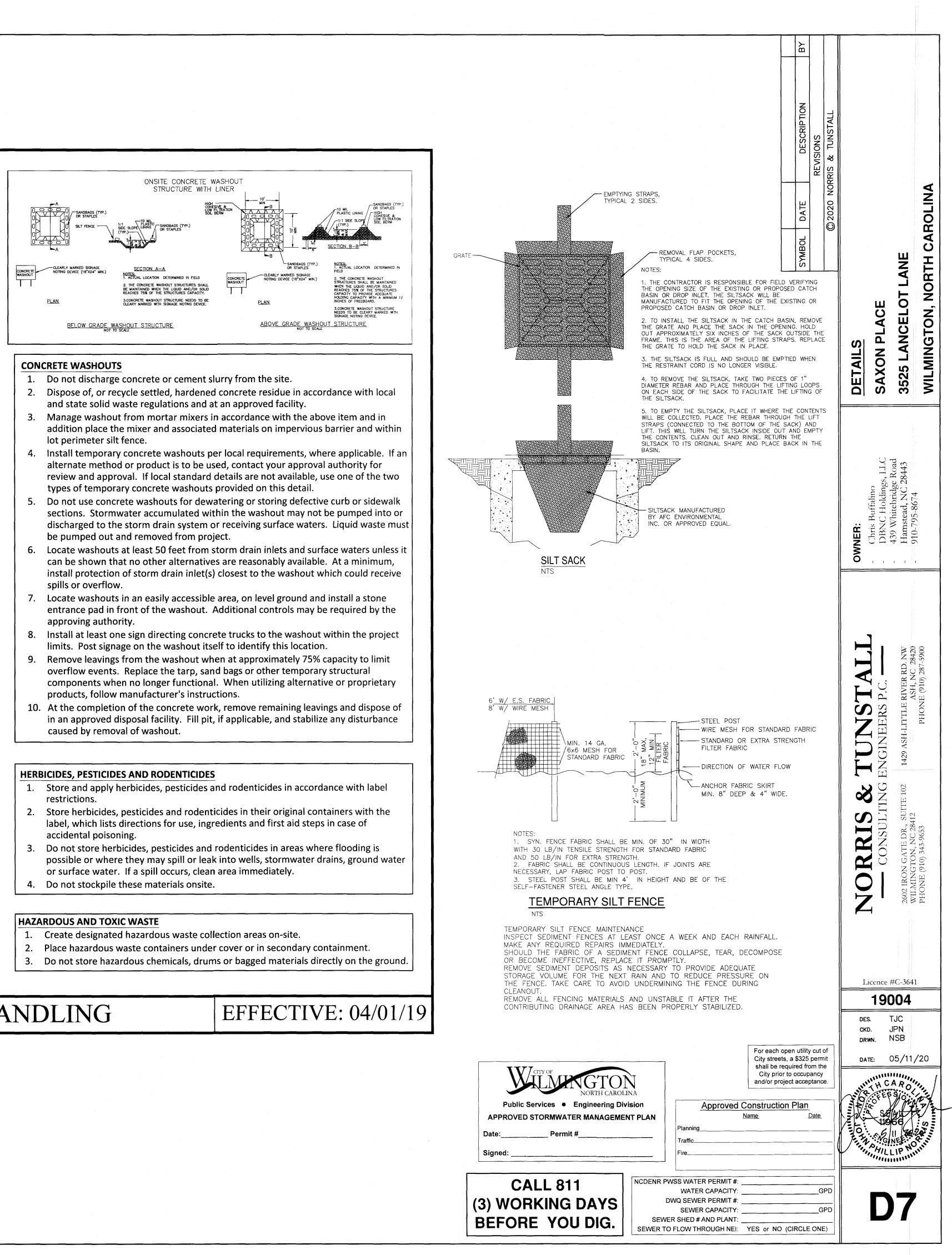
Provide staking or anchoring of portable toilets during periods of high winds or in high

Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace

Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably

Protect stockpile with silt fence installed along toe of slope with a minimum offset of

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.



	SELF-INSPECTI	PART III ON, RECORDKEEPING AND REPORTING	SELF-INSPECTION, RE	PART III CORDKEEPING AND REPORTING	SELF-INSP
below. When a personnel to be which it is safe to greater than 1.0 performed upor	are required dur dverse weather o in jeopardy, the i to perform the ins) inch occurs outs n the commencen	ing normal business hours in accordance with the table r site conditions would cause the safety of the inspection inspection may be delayed until the next business day on spection. In addition, when a storm event of equal to or ide of normal business hours, the self-inspection shall be nent of the next business day. Any time when inspections he Inspection Record.	approved E&SC plan must be kept up-to-	pproved deviation shall be kept on the site. The date throughout the coverage under this permit. SC plan shall be documented in the manner	SECTION C: REPORTING 1. Occurrences that must be report the formittees shall report t
Inspect (1) Rain gauge maintained in good working order	Frequency (during normal business hours) Daily	Inspection records must include: Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those un- attended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device	Item to Document (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.	Documentation Requirements 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.	 They are less than 25 They cause sheen on s They are within 100 fe (a) Releases of hazardous so of the Clean Water Act ((Ref: 40 CFR 302.4) or G
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain	 approved by the Division. 1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating 	(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.	(b) Anticipated bypasses ar(c) Noncompliance with the
(3) Stormwater discharge	event ≥ 1.0 inch in 24 hours At least once per 7 calendar days	 properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken. 1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 	(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.	environment. 2. Reporting Timeframes and
outfalls (SDOs)	and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	 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, 	(d) The maintenance and repair requirements for all E&SC Measures have been performed.	Complete, date and sign an inspection report.	After a permittee becomes a the appropriate Division reg other requirements listed be reported to the Division's Er
(4) Perimeter of site	At least once per 7 calendar days and within 24	 6. Description, evidence, and date of corrective actions taken. 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 	(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.	858-0368 or (919) 733-3300
(5) Streams or wetlands onsite or offsite (where accessible)	hours of a rain event \geq 1.0 inch in 24 hours At least once per 7 calendar days and within 24 hours of a rain event \geq 1.0 inch in 24 hours	 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. 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: Description, evidence and date of corrective actions taken, and 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. 	2 Additional Documentation		OccurrenceReportin(a) Visible sediment• Withideposition in a• Withistream or wetlandsedimDivisionCase-IIf the relate monit
(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. 	(b) Records of inspections made during the required observations on the In a similar inspection form that include	ertificate of coverage, after it is received. the previous 30 days. The permittee shall record aspection Record Form provided by the Division or des all the required elements. Use of eu of the required paper copies will be allowed if utility as the hard-copy records.	deter(b) Oil spills and(b) Oil spills andrelease ofhazardouslocatisubstances per Item1(b)-(c) above(c) AnticipatedA rep
NOTE: The rai	n inspection rese	ts the required 7 calendar day inspection requirement.	(c) All data used to complete the Notice	e of Intent and older inspection records shall be ars after project completion and made available	bypasses [40 CFR The re 122.41(m)(3)] effect (d) Unanticipated • Withi bypasses [40 CFR • Withi 122.41(m)(3)] qualit

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

(e) Noncompliance with the conditions

of this permit that

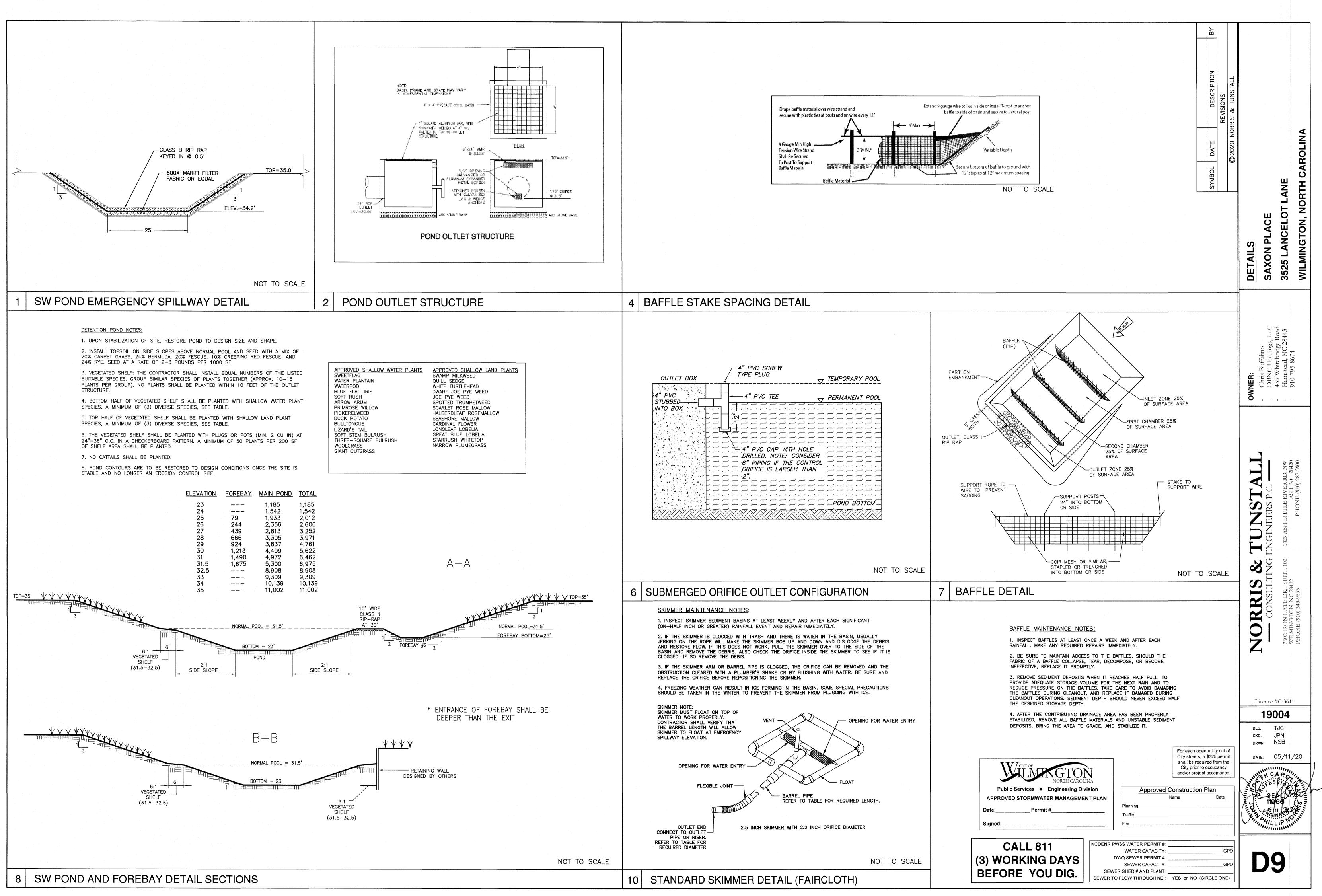
may endanger

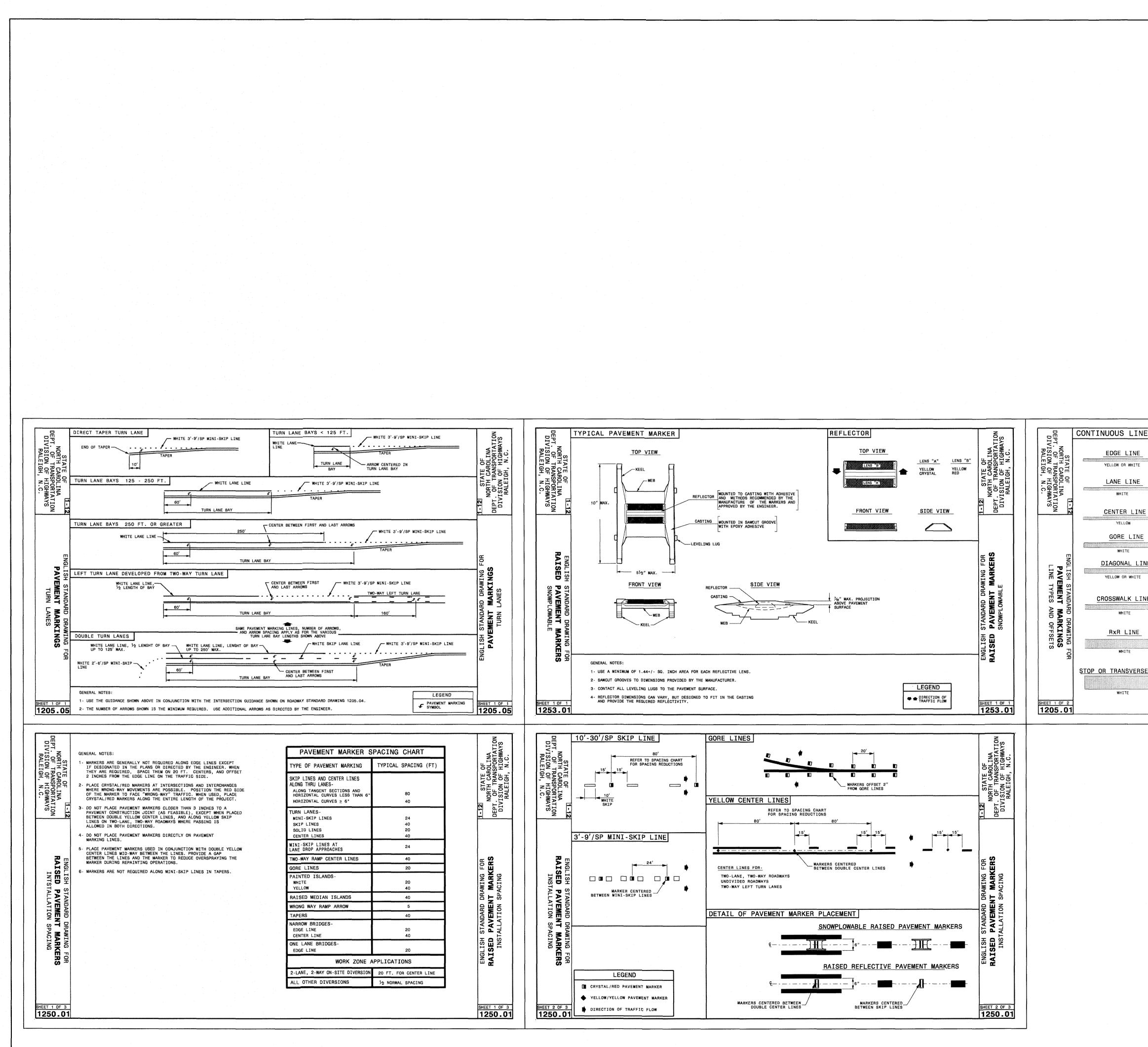
health or the

environment[40

CFR 122.41(l)(7)]

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING NG must be reported eport the following occurrences:	
SELF-INSPECTION, RECORDKEEPING AND REPORTING	
must be reported	-
must be reported	
port the following occurrences:	3
nt deposition in a stream or wetland.	Ą
DATE DATE	
gallons or more,	B B B B B B B B B B B B B B B B B B B
s than 25 gallons but cannot be cleaned up within 24 hours,	CA
	ANE
thin 100 feet of surface waters (regardless of volume).	DT LANE NORTH
zardous substances in excess of reportable quantities under Section 311 /ater Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA 02.4) or G.S. 143-215.85.	<u>ILS</u> NN PLACE LANCELC INGTON,
passes and unanticipated bypasses.	DETAIL SAXON 3525 LA WILMIN
e with the conditions of this permit that may endanger health or the	
mes and Other Requirements	
mes and Other Requirements	LLJ.C oad 143
becomes aware of an occurrence that must be reported, he shall contact ivision regional office within the timeframes and in accordance with the	0 1gs, 28e R
ts listed below. Occurrences outside normal business hours may also be	falino oldir brid 674
vision's Emergency Response personnel at (800) 662-7956, (800)	Buff C H ₄ 7hite tead 5-8.
733-3300.	ER: hris 39 W 10-75
	OWNER Chri DBì 439 Han 910-
Reporting Timeframes (After Discovery) and Other Requirements	
Within 24 hours, an oral or electronic notification.	
Within 7 calendar days, a report that contains a description of the	
sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a	
case-by-case basis.	
If the stream is named on the <u>NC 303(d) list</u> as impaired for sediment-	
related causes, the permittee may be required to perform additional	. NW 28420
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.	P.C. P.C. NSH, N NSH, N (910)
Within 24 hours, an oral or electronic notification. The notification	ERS P PHONE
shall include information about the date, time, nature, volume and	H H
location of the spill or release.	
• A report at least ten days before the date of the bypass, if possible.	
The report shall include an evaluation of the anticipated quality and effect of the bypass.	Z C K
Within 24 hours, an oral or electronic notification.	E 10
Within 7 calendar days, a report that includes an evaluation of the	Sun 112
 quality and effect of the bypass. Within 24 hours, an oral or electronic notification. 	P N N N N N N N N N N
 Within 7 calendar days, a report that contains a description of the 	
noncompliance, and its causes; the period of noncompliance,	GTOU C
including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to	
continue; and steps taken or planned to reduce, eliminate, and	PHONE (910)
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. 	
	Licence #C-3641
	19004
G EFFECTIVE: 04/01/19	des. TJC
	ckd. JPN drwn. NSB
For each open utility cut of City streets, a \$325 permit	DATE: 05/11/20
City streets, a \$525 permit shall be required from the City prior to occupancy	
and/or project acceptance.	WATH CARO
Public Services Engineering Division Approved Construction Plan	
APPROVED STORMWATER MANAGEMENT PLAN	SEAL SEAL
Date: Permit # Planning Traffic Traffic	JO. NGINE
Signed: Fire	HILLIP NOTION
CALL 811 NCDENR PWSS WATER PERMIT #:	
(3) WORKING DAVS	
(3) WORKING DATS SEWER CAPACITY: GPD BEFORE YOU DIG. SEWER SHED # AND PLANT: GPD SEWER SHED # AND PLANT: GPD	D8
BEFORE YOU DIG. SEWER TO FLOW THROUGH NEI: YES OF NO (CIRCLE ONE)	

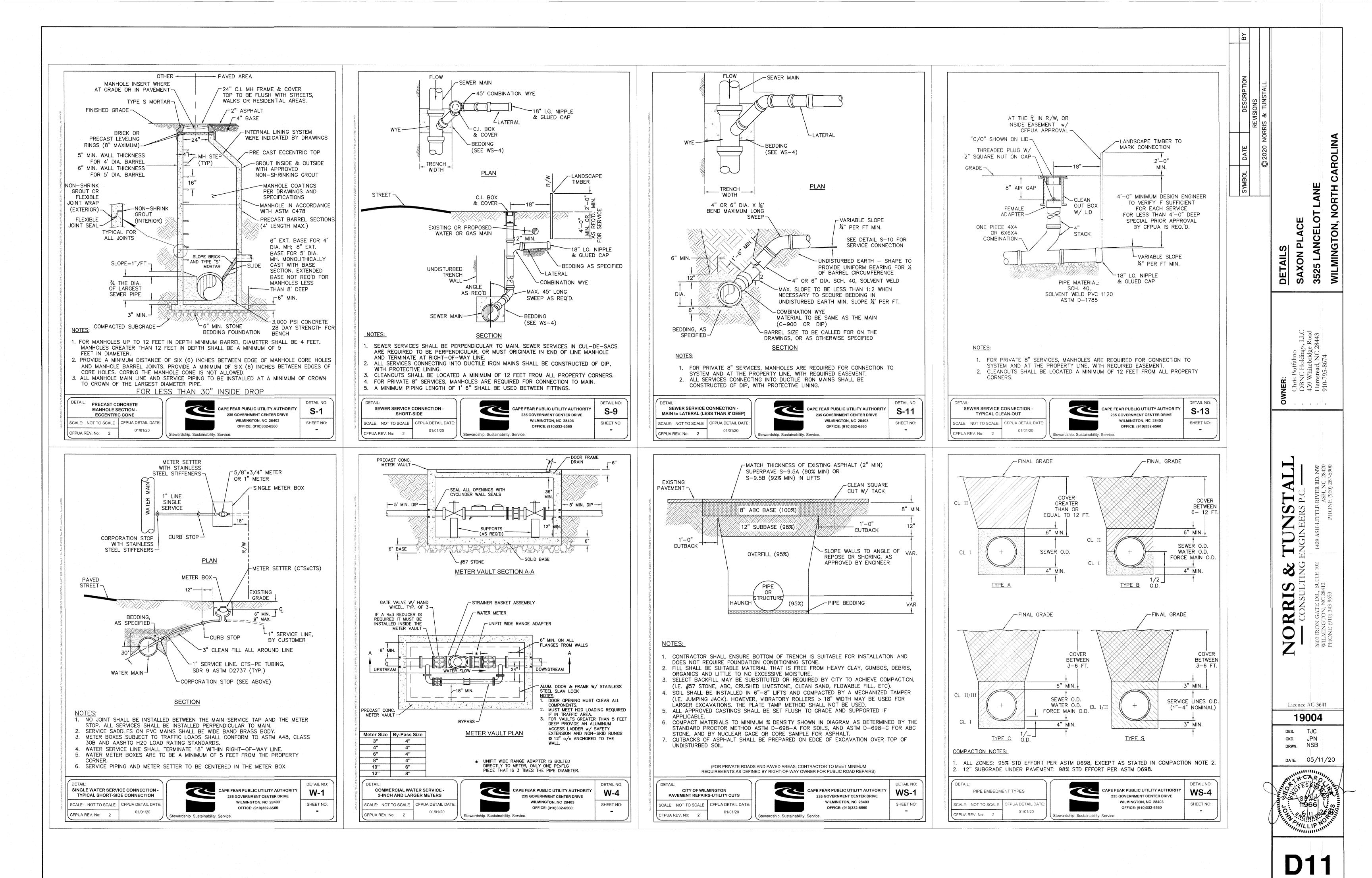


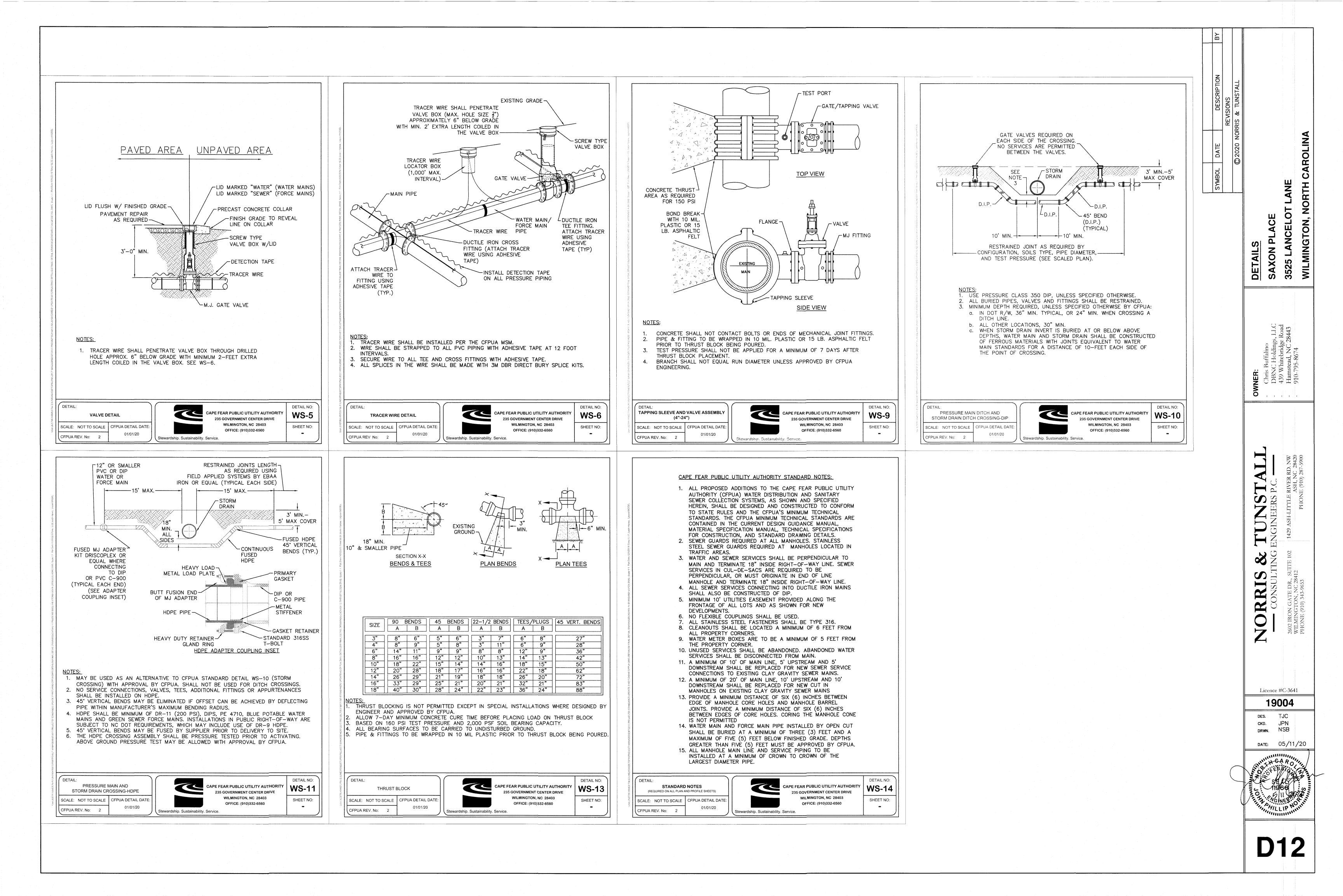


CROSSWALK LIN

STOP OR TRANSVERSE

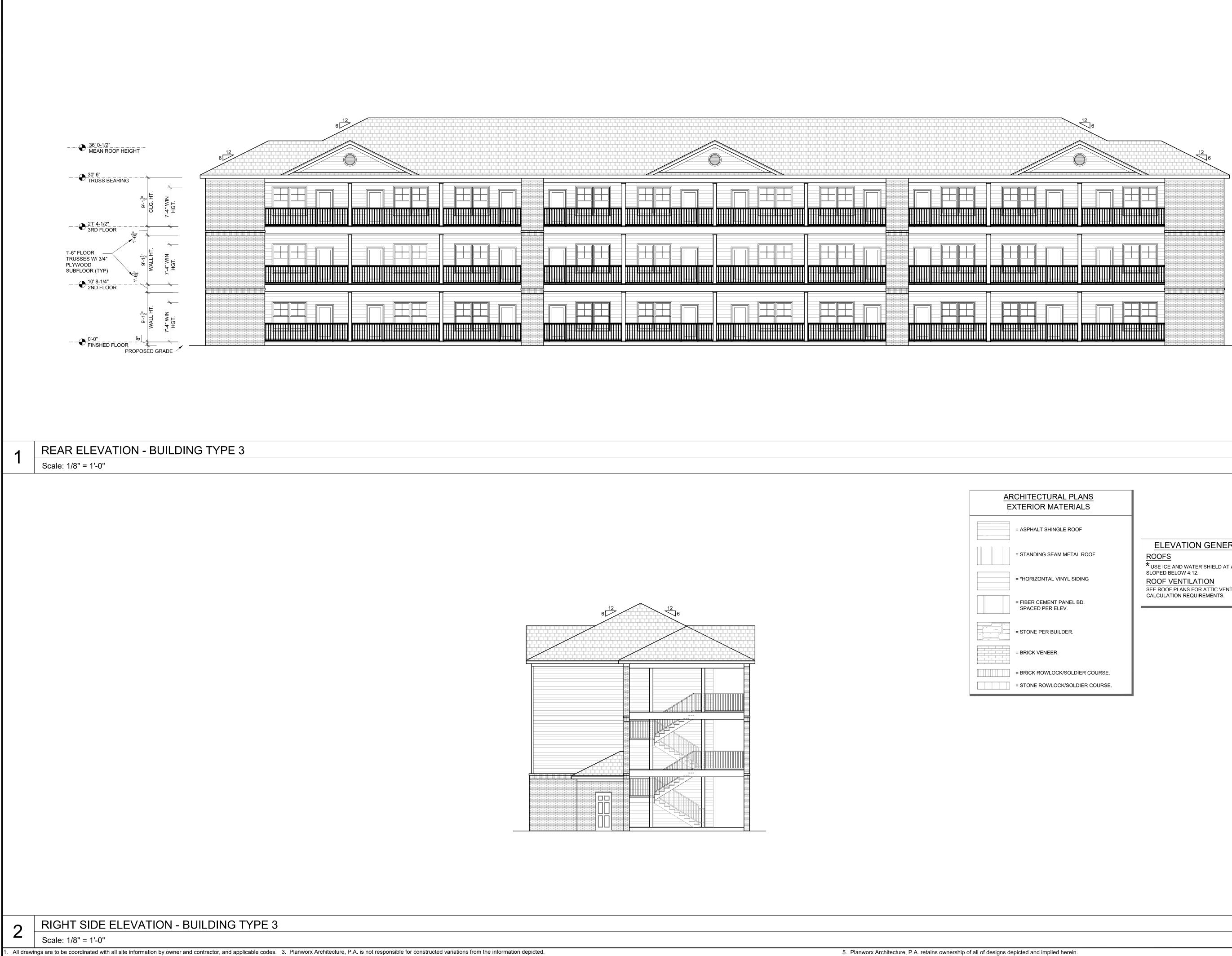
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			DESCRIPTION VISIONS & TUNSTALL	
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			SYMBOL	NE TH CA
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				DETAILS SAXON PL 3525 LANC WILMINGT
				LLC Road 443
S	10'-30'/SP SKIP LINE 2'-6	//SP MINI-SKIP LINE	S NN	NER: Chris Buffalino DBNC Holdings, LLC 439 Whitebridge Road Hamstead, NC 28443 910-795-8674
	EXTENSI	OTHERWISED SHOWN, USE 2'-9'9P MINI-SKIPS FOR NE EXTENSIONS THROUGH INTERSECTIONS, EDGE LINE ONS THROUGH INTERSECTIONS AND MINI-SKIPS R BICYCLE LANE LINES.	1-12 STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.	VER: Chris Buffalino DBNC Holding 439 Whitebridg Hamstead, NC 910-795-8674
4"/6"	YELLOW OR WHITE	YELLOW OR WHITE 4"/6"	STATE STATE CAR OF TRAN SION OF MALEIGH,	OWNER: - Chris - DBN - 439 V - Hams - 910-7
†	UNLESS OTHERWISED SHOWN, USE 3'-3'/SP MINI-SKIPS FOR	'/SP MINI-SKIP LINE	1-12 DEPT. DIVIG	
4"/6"		3' 9'		
E .	WHITE	WHITE 4"/6"	FOR	
12" 45 MPH OR HIGHEN 8" LESS THAN 45 MPH			AD DRAWING P MARKINGS AND OFFSETS	ALJ RD. NW VC 28420
E 8" TRANSVERSE				TUNEERS P.C. NGINEERS P.C. – 1429 ASH-LITTLE RIVER RD ASH, NC (PHONE (910) 287
				EERS
16"			ENGLISH PAVE LINE	UU IGIN 429 ASH
24''	 GENERAL NOTES: 1- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL AS DIRECTED BY THE ENGINEER. 2- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD D OF THE NORMAL LINE. 3- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE. 		SHEET 1 OF 2	S & T LTING EN surre 102 112
			1205.01	IS SULTI SR, suri 228412 553
				JORRIS – CONSUL 2602 IRON GATE DR., SU WILMINGTON, NC 28412 PHONE (910) 343-9653
				2 IRON ONE (91
				Licence #C-3641 19004
				des. TJC ckd. JPN
			ach open utility cut of	drwn. NSB
	WILMINGTON	shall City	streets, a \$325 permit be required from the prior to occupancy or project acceptance.	DATE: 05/11/20
	NORTH CAROLINA Public Services Engineering Division	Approved Constru		CHESSION CHESSION
	APPROVED STORMWATER MANAGEMENT PLA Date: Permit #	Planning		
	Signed:			HILLIP NOTION
Γ	CALLOIT	ENR PWSS WATER PERMIT #: WATER CAPACITY:	GPD	
		DWQ SEWER PERMIT #: SEWER CAPACITY: SEWER SHED # AND PLANT:	GPD	D10
L	SEI OIL IOO DIG. SEW	VER TO FLOW THROUGH NEI: YES or		





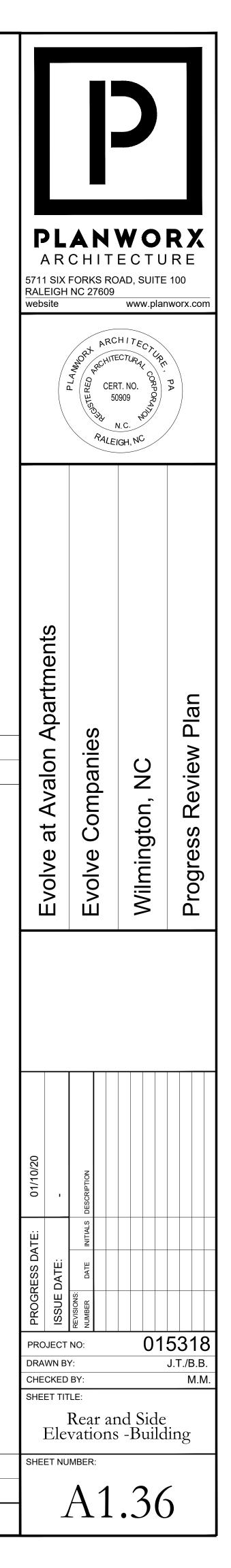






ELEVATION GENERAL NOTES

* USE ICE AND WATER SHIELD AT ALL ROOF PLANES SLOPED BELOW 4:12. ROOF VENTILATION SEE ROOF PLANS FOR ATTIC VENTILATION CALCULATION REQUIREMENTS.



2. Contractor is to notify architect immediately of conditions or items varying from depicted information. 4. Planworx Architecture, P.A. will not assume any liability for expenses associated with errors and omissions on these drawings unless offset by verified construction costs associated with these plans. Copyright 2019 - PLANWORX ARCHITECTURE, P.A. All rights reserved. Reproduction of this sheet, in whole or in part, is strictly prohibited. PLANS NOT VALID FOR CONSTRUCTION W/O APPROPRIATE PROFESSIONAL SEALS.