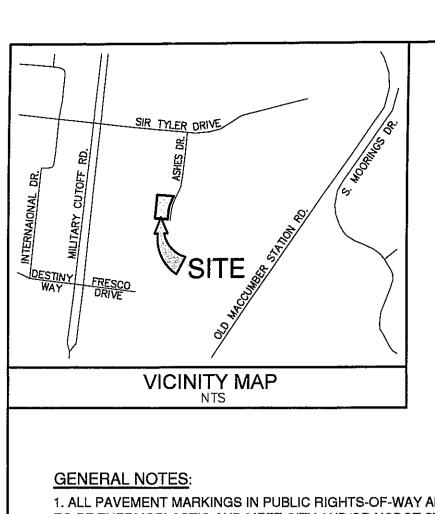


20' DRAINAGE EASEMENT MAP BOOK 48 PAGE 253





1. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.

2. ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.

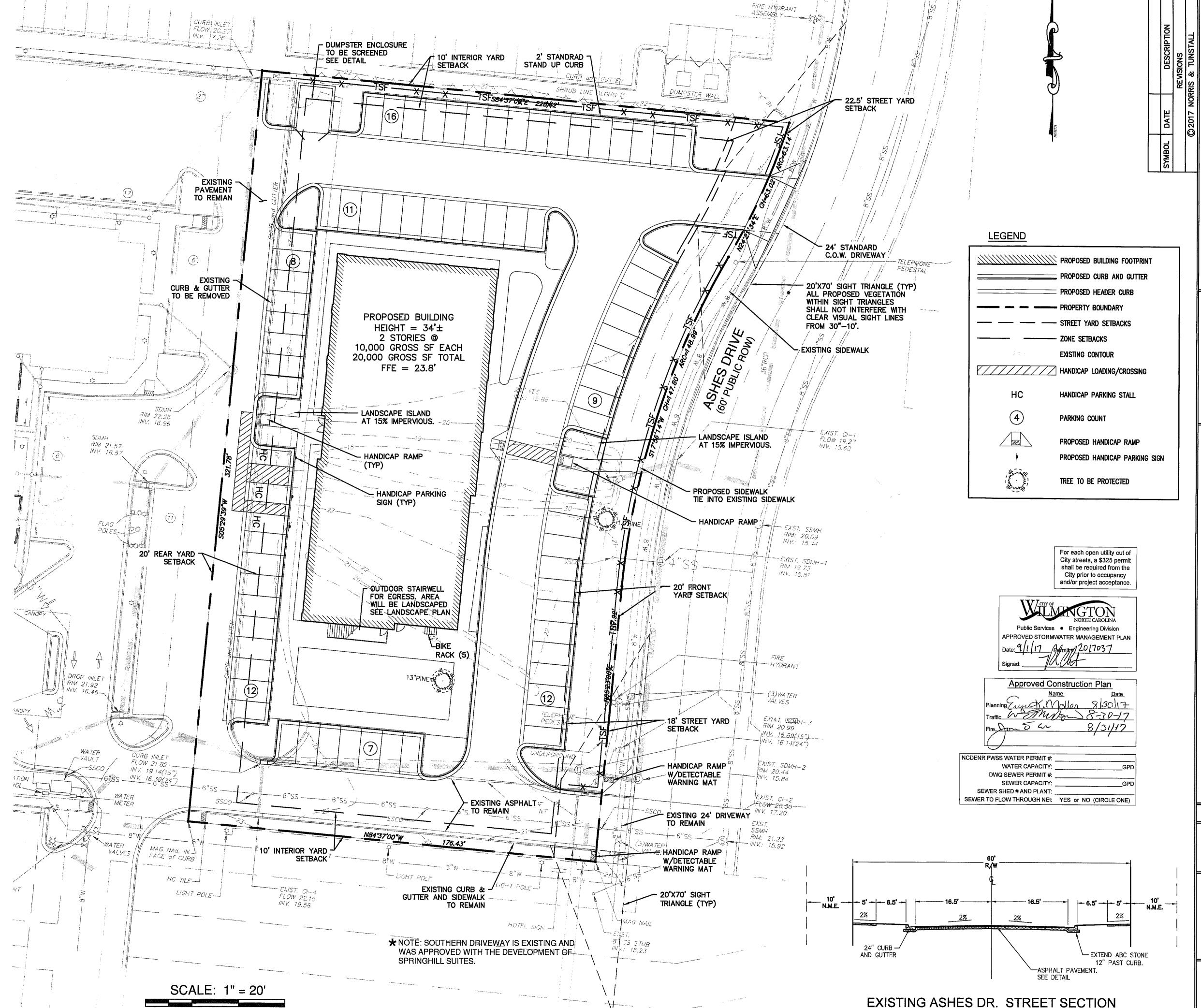
3. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.

4. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.

5. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. IN CERTAIN CASES AND ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED. PLEASE CONTACT TRAFFIC ENGINEERING AT (910) 341-5888 FOR MORE

6. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.

SITE DATA TABLE	
	D05400 000 400 000
PARCEL ID#: PARCEL PIN#:	R05100-003-103-000 315818.40.7596.000
SITE ADDRESS: PARCEL OWNER:	1010 ASHES DRIVE TCG HOLDING COMPANY
PARCEL OWNER: PARCEL AREA:	1.4 AC (60,781 SF)
PROPOSED PARCEL USE: CURRENT ZONING:	COMMÉRCIAL (OFFICE BUILDING) O&I-1 OFFICE & INSTITUTION
CAMA LAND CLASSIFICATION:	WATERSHED RESOURCE PROTECTION
SOIL TYPE:	Ls
BUILDING SETBACKS O&I:	201
FRONT SETBACK: INTERIOR SIDE SETBACK:	20' 10'
REAR SETBACKS:	20'
BUILDING SETBACKS PROPOSED:	
FRONT SETBACK: SIDE SETBACK N:	86'± 74'±
SIDE SETBACK S:	90'± 40'±
REAR SETBACKS:	
BUILDING AREA (FOOTPRINT): DISTURBED AREA:	10,000 SF = 0.23 AC 1.4 AC
MAX. LOT COVERAGE O&I:	40%
PROPOSED LOT COVERAGE: BUILDING STORIES:	16% 2 (10,000 SF EACH)
MAX. BUILDING HEIGHT:	45' (34± PROPOSED)
BUILDING CONSTRUCTION TYPE:	STEEL & METAL TYPE 5 BUILDING
IMPERVIOUS AREA: PROJECT AREA:	60,781 SF
	8,576 SF / 14.1%
EXISTING IMPERVIOUS AREA: EXISTING IMPERVIOUS TO BE REMOVED: EXISTING IMPERVIOUS AREA TO REMAIN:	257 SF 8,319 SF
NEW IMPERVIOUS AREA:	,
BUILDING:	10,000 SF
ASPHALT: PERVIOUS CONCRETE:	10,397 SF 10,943 (26%)
SIDEWALK:	5,816 SF
CURB & GUTTER: TOTAL:	4,501 SF 41,657 SF
NEW IMPERVIOUS AREA:	·
EXISTING IMPERVIOUS AREA TO REMAIN:	
TOTAL PROJECT IMPERVIOUS AREA:	49,796 SF 82%
NOTE: SITE IS DESIGNED TO MEET EXCEPTIO	
SEE EXCEPTIONAL DESIGN CRITERIA	
PARKING REQUIREMENT: OFFICE BUILDING	
VEHICLE PARKING REQUIRED: - MAX. 1 SPACE PER 200 SF OF GFA=	100 PARKING SPACES
- MAX. 1 SPACE PER 200 SF OF GFA= - MIN. 1 SPACE PER 300 SF OF GFA=	
PARKING PROPOSED =	72 REGULAR SPACES 3 HANDICAP SPACES
BICYCLE PARKING REQUIRED:	75 TOTAL SPACES
TOTAL REQUIRED =	5 SPACES
TOTAL PROVIDED =	5 SPACES
LANDSCAPING REQUIREMENTS (REFER TO LA 21 TREES PER DISTURBED ACRE REQUIRED	NDSCAPE PLAN):
STREETYARD LANDSCAPING: 18 MULTIPLIER	
FRONT: 330' - 50' (18) =	5,040 SF REQUIRED 5,066 SF PROVIDED
FOUNDATION PLANTINGS:	
12% BUILDING HEIGHT X LENGTH N: 70 X 34 X .12 = 286 SF REQUIRED	297 SF PROVIDED
S: 70 X 34 X .12 = 286 SF REQUIRED E: 157 - 17 X 34 X .12 = 571 SF REQUIRED	287 SF PROVIDED
W: 157 - 17 X 34 X .12 = 5/1 SF REQUIRED W: 157 -19 X 34 X .12 = 563 SF REQUIRED	
PARKING AREA SCREENING ALONG ROW:	BUFFER 3' HIGH 5' WIDE
	SEE LANDSCAPE PLAN
TRASH REMOVAL:	DUMPSTER SERVICE
<u>WATER AND SEWER CAPACITY NEEDS</u> 75 EMPLOYEES @ 25 GAL/EMPLOYEE/DAY=	1,875 GPD



EXISTING ASHES DR. STREET SECTION

SECTION A-A

EXST. SSMH (S) RIM: 20 64 INV.: 14 70

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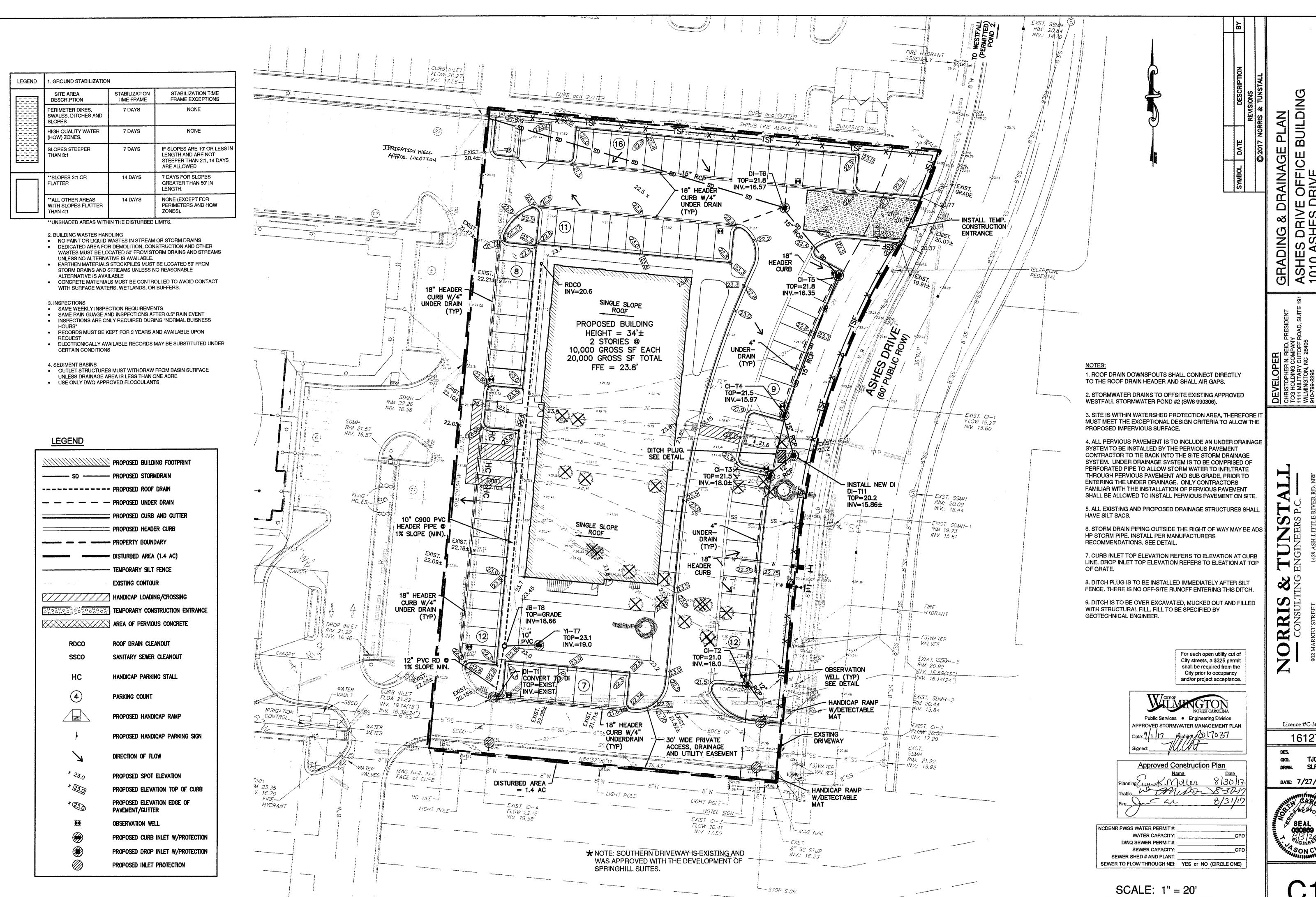
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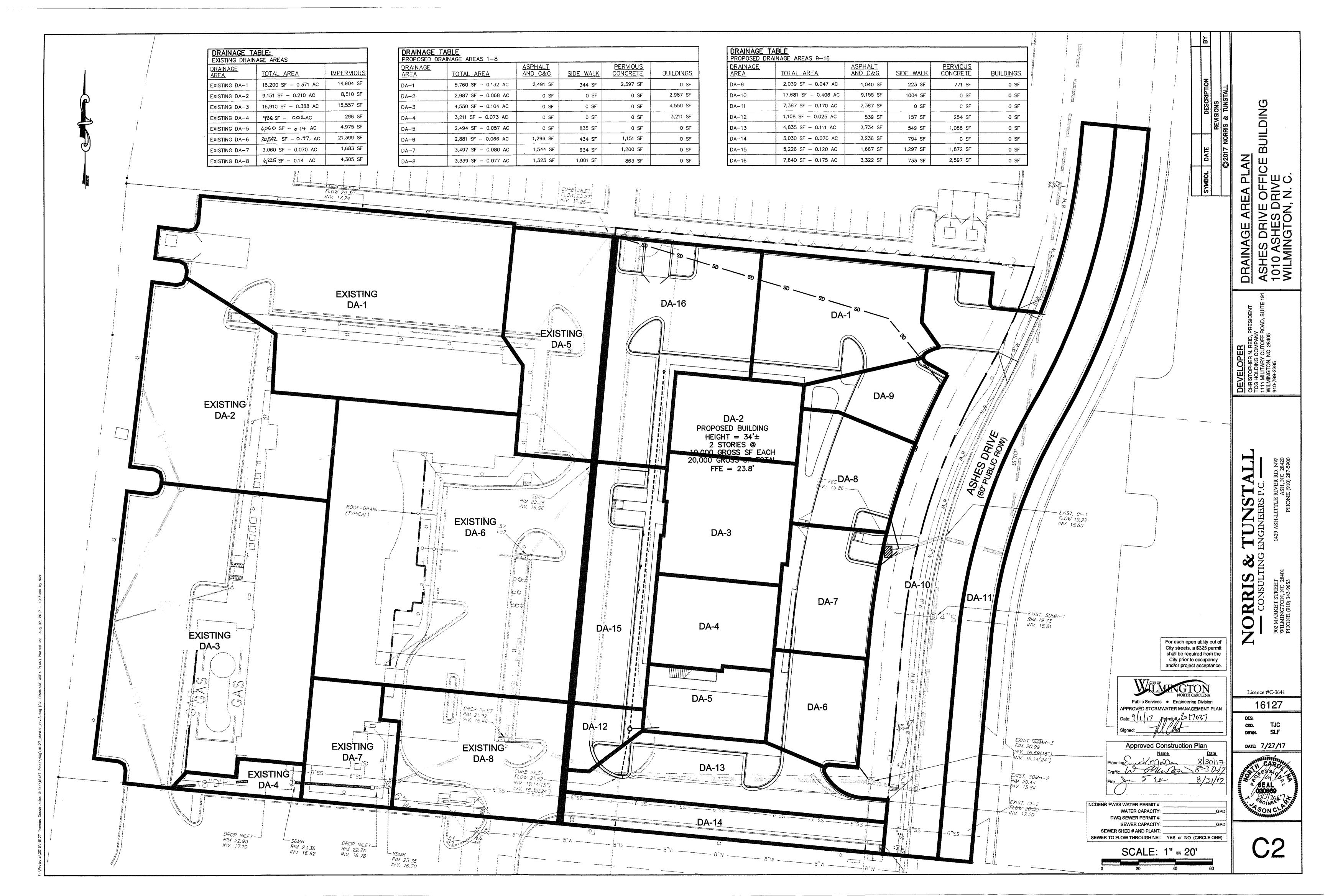
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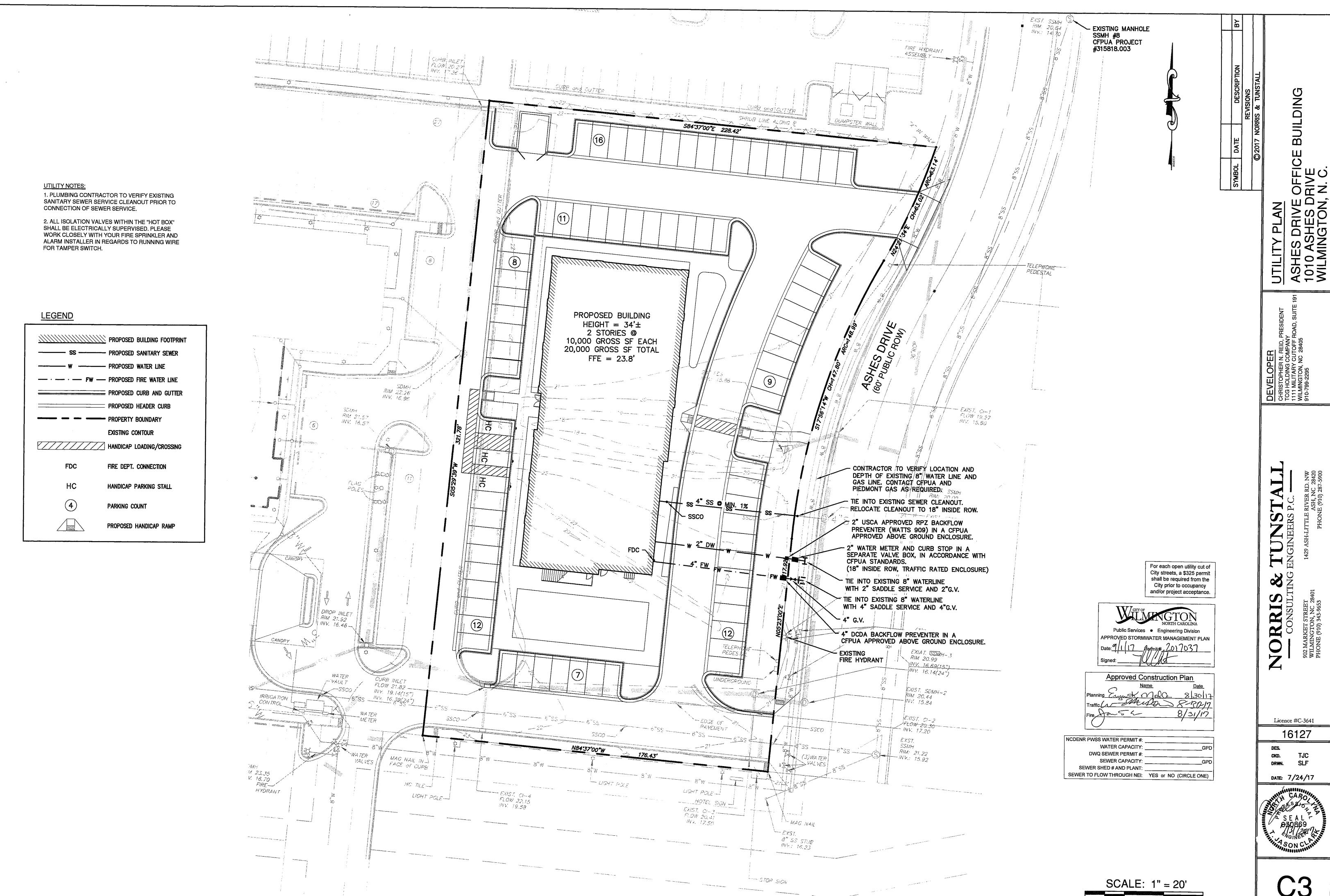
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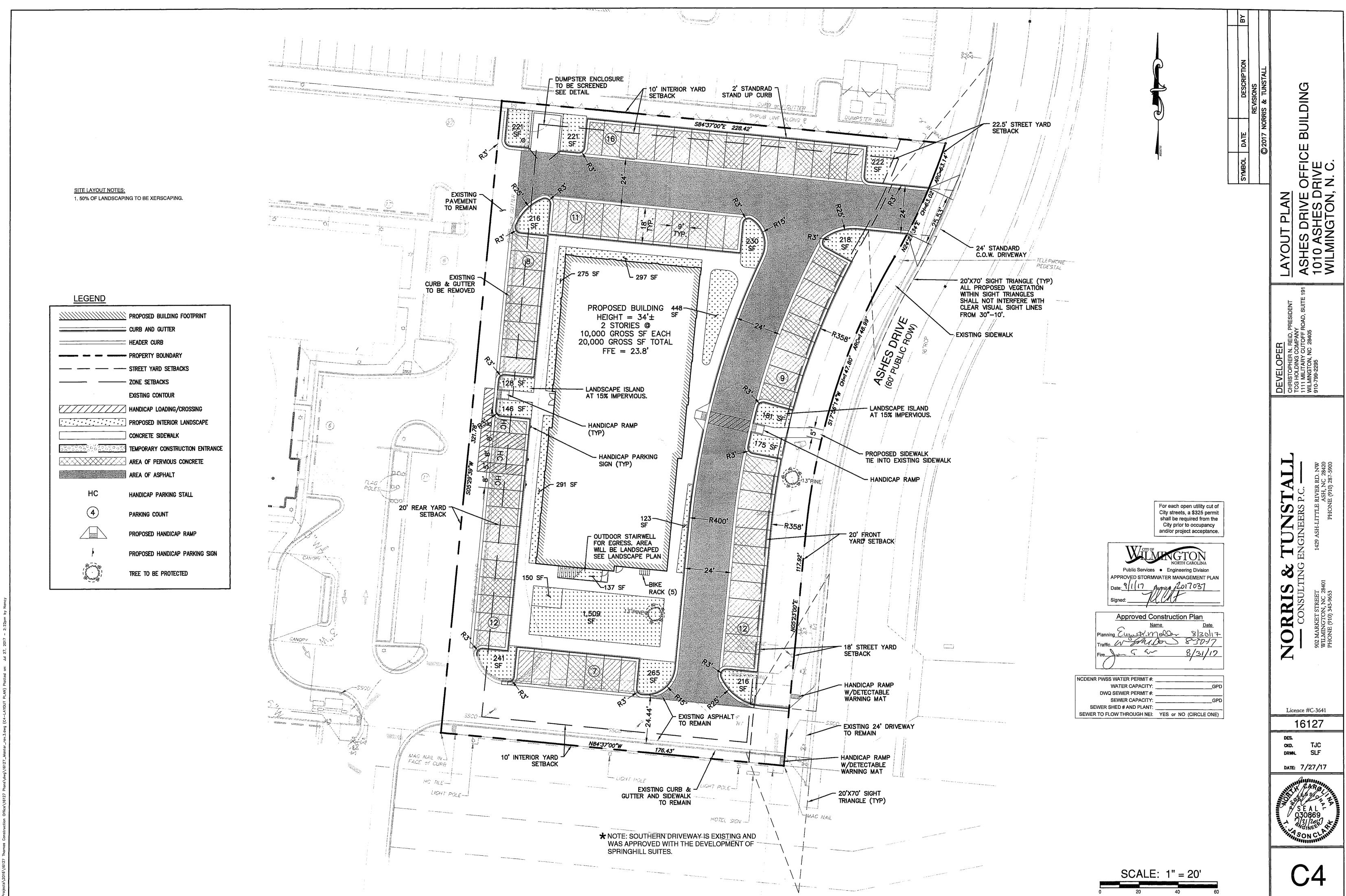
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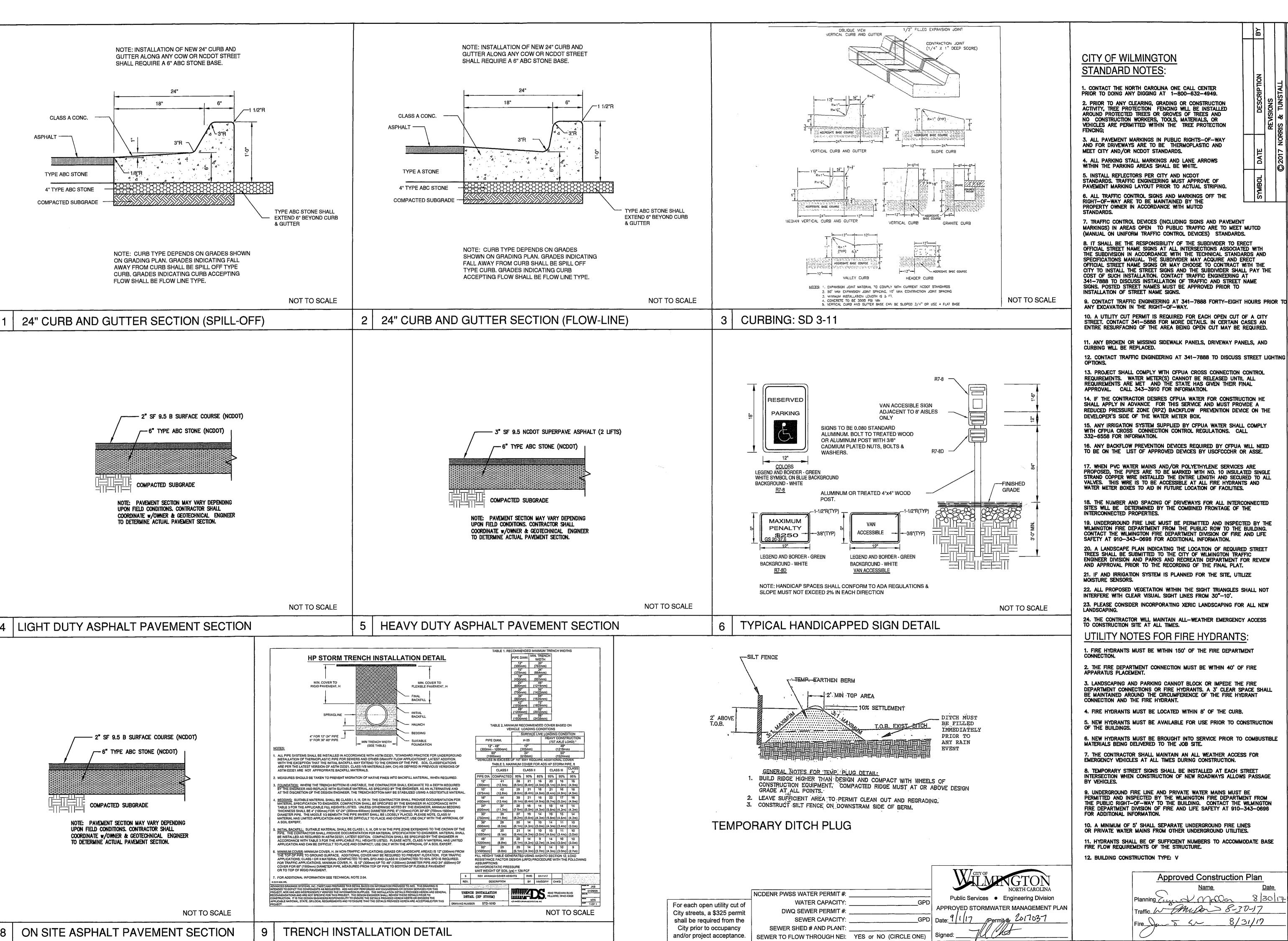












1. CONTACT THE NORTH CAROLINA ONE CALL CENTER PRIOR TO DOING ANY DIGGING AT 1-800-632-4949.

2. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION

3. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.

5. INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.

6. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD

7. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.

8. IT SHALL BE THE RESPONSIBILITY OF THE SUBDIVIDER TO ERECT OFFICIAL STREET NAME SIGNS AT ALL INTERSECTIONS ASSOCIATED WITH THE SUBDIVISION IN ACCORDANCE WITH THE TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL. THE SUBDIVIDER MAY ACQUIRE AND ERECT OFFICIAL STREET NAME SIGNS OR MAY CHOOSE TO CONTRACT WITH THE CITY TO INSTALL THE STREET SIGNS AND THE SUBDIVIDER SHALL PAY THE COST OF SUCH INSTALLATION. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. POSTED STREET NAMES MUST BE APPROVED PRIOR TO

9. CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR ANY EXCAVATION IN THE RIGHT-OF-WAY.

10. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CONTACT 341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.

11. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS, AND CURBING WILL BE REPLACED.

13. PROJECT SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL

14. IF THE CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE

15. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REGULATIONS. CALL

16. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCCCHR OR ASSE.

7. WHEN PVC WATER MAINS AND/OR POLYETHYLENE SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED SINGLE STRAND COPPER WIRE INSTALLED THE ENTIRE LENGTH AND SECURED TO ALL VALVES. THIS WIRE IS TO BE ACCESSIBLE AT ALL FIRE HYDRANTS AND WATER METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.

18. THE NUMBER AND SPACING OF DRIVEWAYS FOR ALL INTERCONNECTED SITES WILL BE DETERMINED BY THE COMBINED FRONTAGE OF THE INTERCONNECTED PROPERTIES.

19. UNDERGROUND FIRE LINE MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC ROW TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-343-0698 FOR ADDITIONAL INFORMATION.

20. A LANDSCAPE PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEER DIVISION AND PARKS AND RECREATIN DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT.

21. IF AND IRRIGATION SYSTEM IS PLANNED FOR THE SITE, UTILIZE

22. ALL PROPOSED VEGETATION WITHIN THE SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30"-10'. 23. PLEASE CONSIDER INCORPORATING XERIC LANDSCAPING FOR ALL NEW

24. THE CONTRACTOR WILL MAINTAIN ALL—WEATHER EMERGENCY ACCESS TO CONSTRUCTION SITE AT ALL TIMES.

## **UTILITY NOTES FOR FIRE HYDRANTS:**

1. FIRE HYDRANTS MUST BE WITHIN 150' OF THE FIRE DEPARTMENT

2. THE FIRE DEPARTMENT CONNECTION MUST BE WITHIN 40' OF FIRE

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

7. THE CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR

8. TEMPORARY STREET SIGNS SHALL BE INSTALLED AT EACH STREET INTERSECTION WHEN CONSTRUCTION OF NEW ROADWAYS ALLOWS PASSAGE

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

OR PRIVATE WATER MAINS FROM OTHER UNDERGROUND UTILITIES. 11. HYDRANTS SHALL BE OF SUFFICIENT NUMBERS TO ACCOMMODATE BASE FIRE FLOW REQUIREMENTS OF THE STRUCTURE.

Approved Construction Plan

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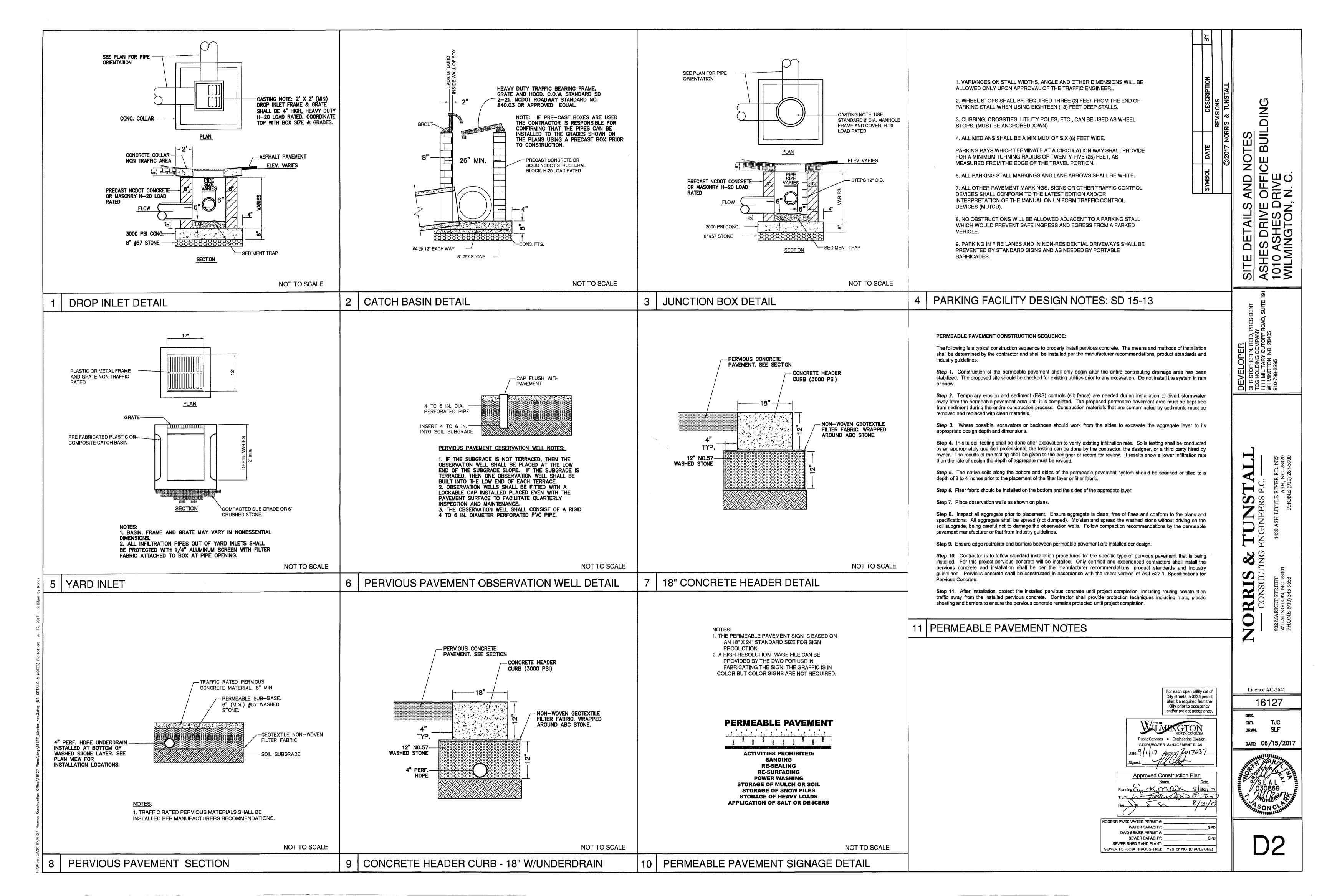
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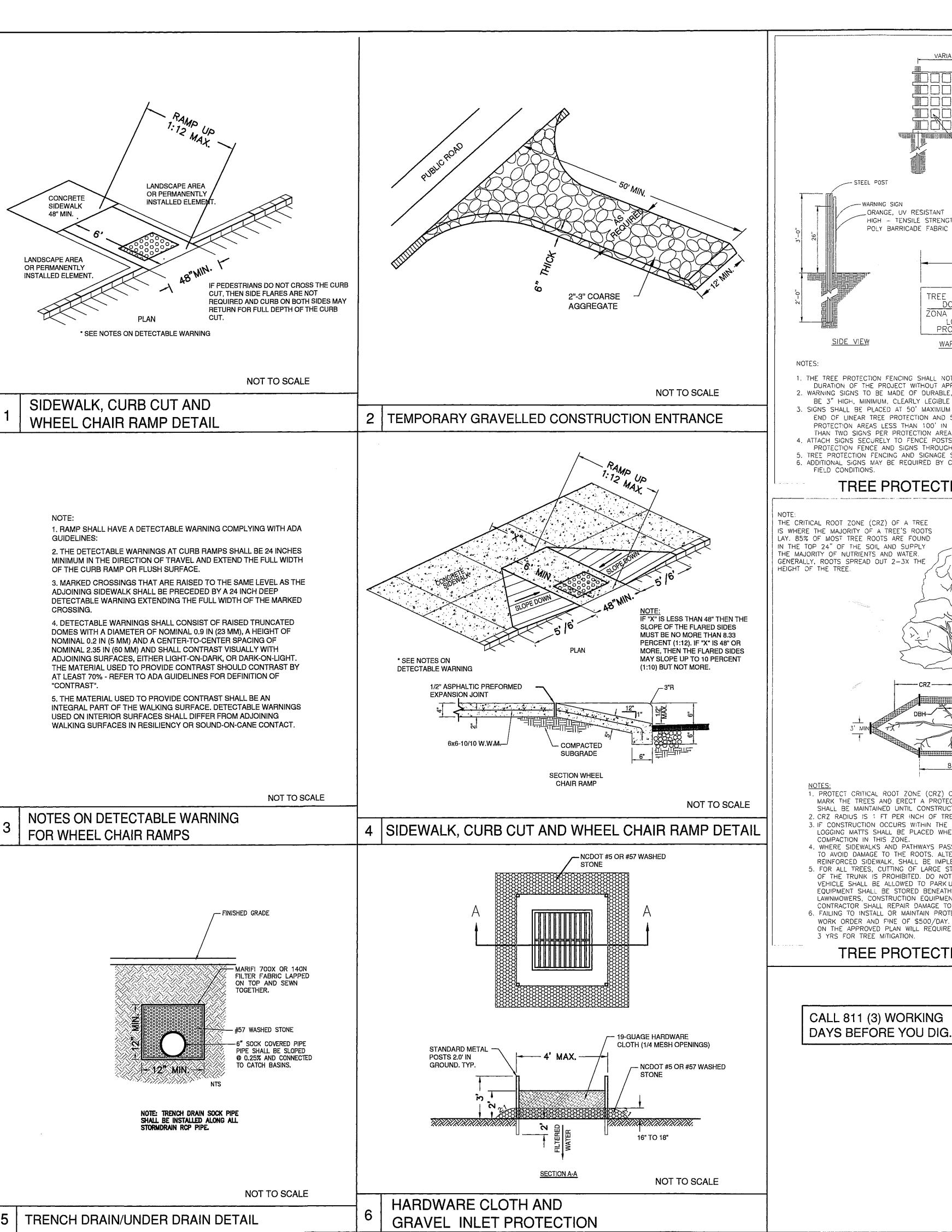
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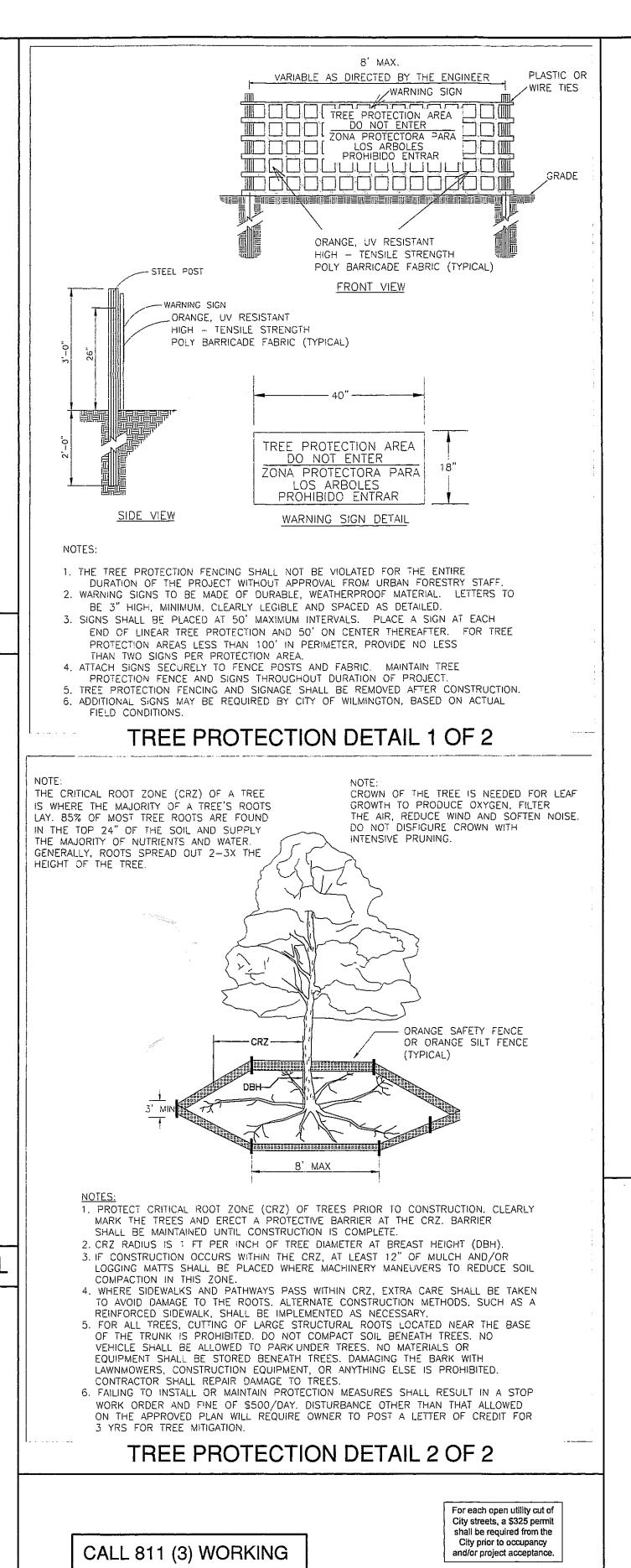
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KET STREE IGTON, NC (910) 343-965

AND







STORMWATER MANAGEMENT PLAN

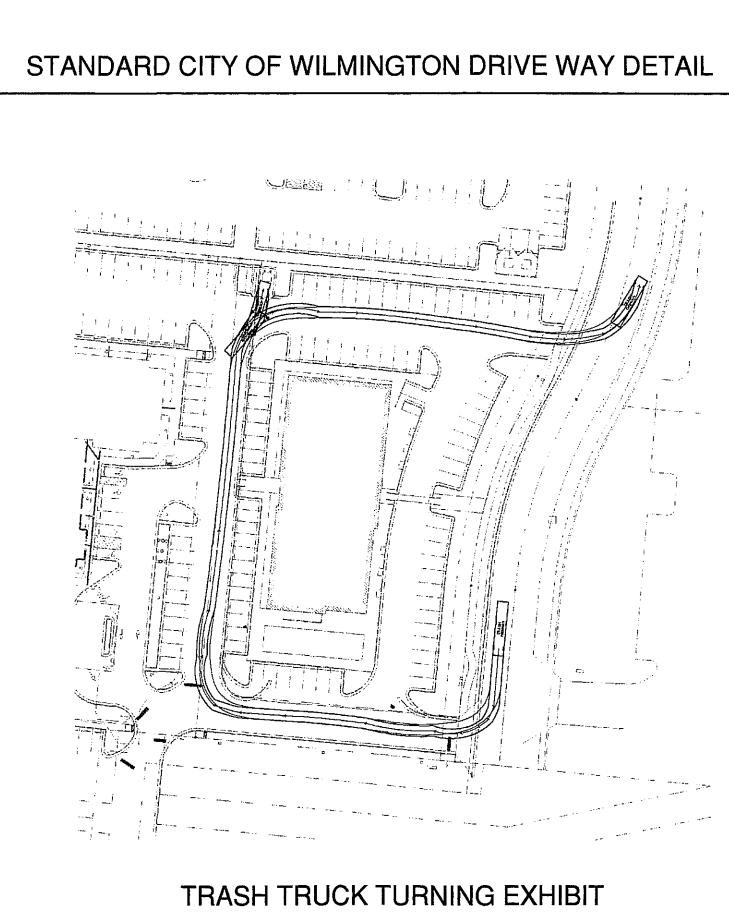
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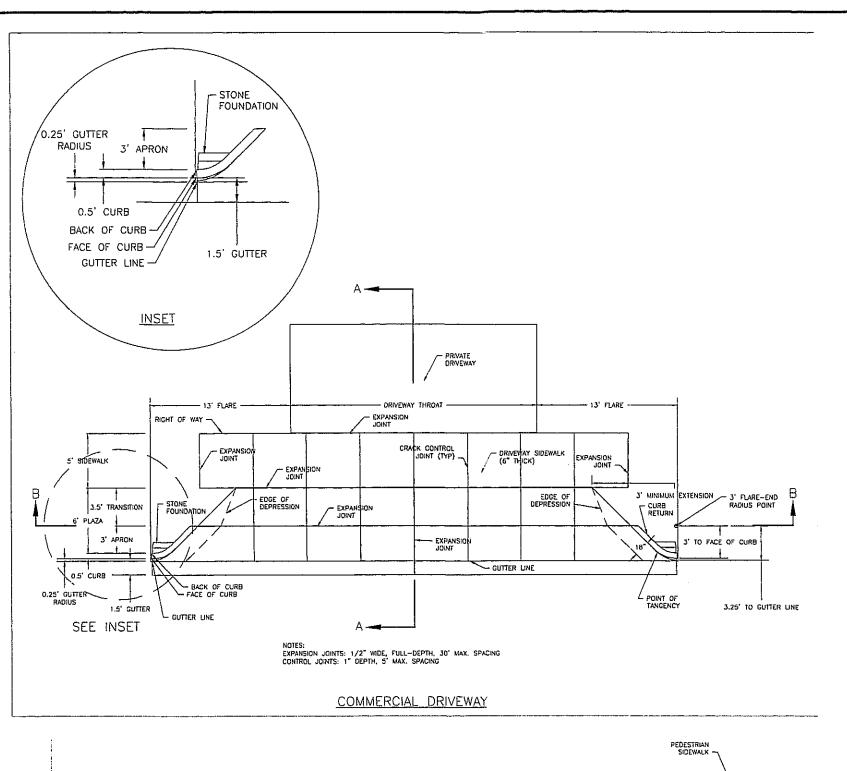
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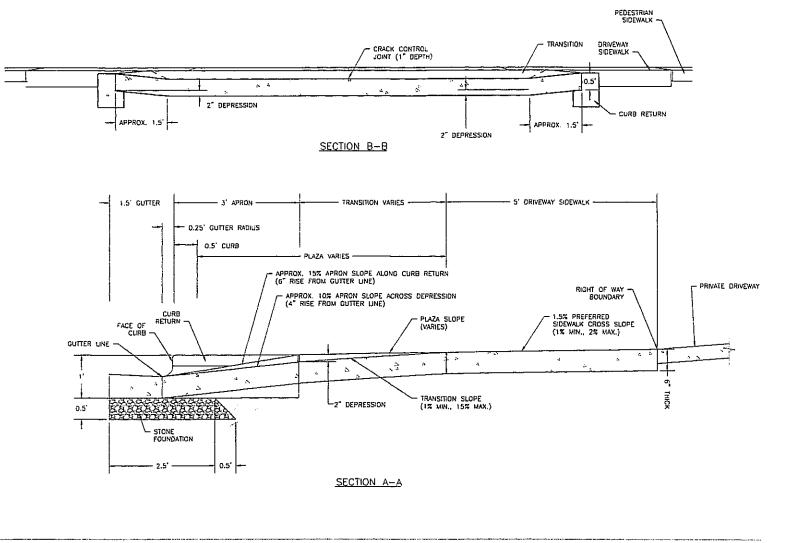
SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

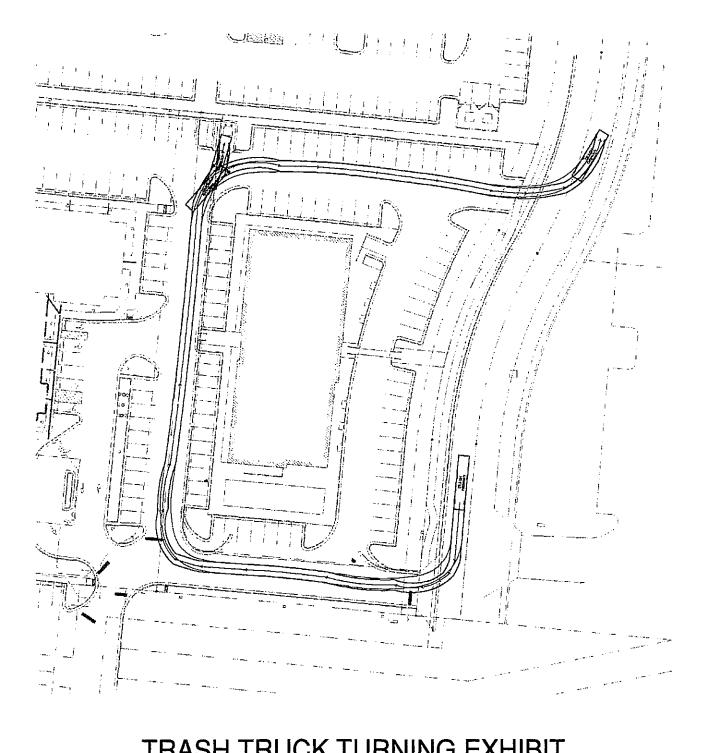
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## **EROSION CONTROL NOTES AND** MAINTENANCE PLAN:

ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF-INCH RAINFALL.

ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.

SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND WATTLES, BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.

DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A

SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE. THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF-FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.

SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAPS WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT, THE ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED AND KEPT CLEAN WEEKLY.

7. SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN WHEN THE DESIGN STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR IF THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED FROM BAFFLES WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.

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. ALL SLOPES WILL BE STABILIZED WITHIN 21 CALENDAR DAYS. ALL OTHER AREAS WILL BE STABILIZED WITHIN 15 WORKING

NATER QUALITY REQUIRES 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, ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, ALL SLOPES STEEPER THAN 3' HORIZONTAL TO 1' VERTICAL (3:1) AND ALL HIGH QUALITY WATER (HQW) ZONES SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN SEVEN (7) CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN FOURTEEN (14) CALENDAR

FLOCCULANTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES AND INJECT SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

BASIN OUTLET STRUCTURES AND SKIMMERS SHALL WITHDRAW WATER FROM THE SURFACE.

## SITE WORK NOTES:

LIMITS OF CONSTRUCTION.

1. THE CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH FIELD CONSTRUCTION CONDITIONS.

2. CONTRACTOR SHALL COORDINATE WORK WITHIN NCDOT AND LOCAL RIGHT OF WAYS WITH PROPER AUTHORITIES AND SHALL MEET ANY REQUIREMENTS AS TO

TRAFFIC CONTROL AND CONNECTION TO EXISTING STREETS. 3. CLEARING AND GRUBBING: REMOVE ALL TREES AS REQUIRED UNLESS OTHERWISE NOTED TO REMAIN, STUMPS, ROOTS, SHRUBBERY, ASPHALT, CONCRETE, STRUCTURES, BURIED UTILITIES, STORAGE TANKS, ETC. WITHIN

4. STRIPPING: BEFORE EXCAVATING OR FILLING, REMOVE ALL TOPSOIL, WOOD. LEAVES, AND ANY OTHER UNSUITABLE MATERIAL

5. MUCKING: REMOVE ANY SOFT, ORGANIC SILT MATERIALS AND EXISTING BURIED CONSTRUCTION DEBRIS AS REQUIRED AND FILL TO SUBGRADE ELEVATIONS WITH A CLEAN SELECT-FILL COMPACTED AS SPECIFIED.

DISPOSAL: CLEARED, GRUBBED, STRIPPED OR EXCAVATED SPOIL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE CODES.

7. BORROW MATERIAL: THE CONTRACTOR SHALL FURNISH BORROW MATERIAL REQUIRED FROM OFF SITE AND OBTAIN ALL REQUIRED PERMITS ASSOCIATED WITH

8. FILL AND COMPACTION: AFTER STRIPPING THOSE AREAS DESIGNATED TO RECEIVE FILL SHOULD BE PROOFROLLED. THE TOP 8" OF SUBGRADE SHALL BE COMPACTED TO AT LEAST 98% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT. ANY AREA WHICH PUMPS OR RUTS EXCESSIVELY SHOULD BE UNDERCUT AND REPLACED WITH A CLEAN, SILTY OR CLAYEY SAND HAVING A UNIFIED SOIL CLASSIFICATION OF SP, SM, OR SC. FILL MATERIAL 5" OUTSIDE OF BUILDING AREAS SHALL THEN BE PLACED IN LAYERS NOT TO EXCEED 8" AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698) WITH THE UPPER 12 INCHES OF SUBGRADE BEING COMPACTED TO 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY, FILL MATERIALS WITHIN BUILDING AREAS TO A LINE OUTSIDE THE BUILDING AREAS SHALL BE PLACED IN LAYERS NOT TO EXCEED 8" AND COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D-698) WITH THE UPPER 12 INCHES OF SUBGRADE BEING COMPACTED IN 6 INCH LAYERS TO 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. IN AREAS WHERE NO STRUCTURAL FILL IS TO BE PLACED THE UPPER 12 INCHES OF IN-PLACE SUBGRADE SHOULD BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. IF THE MATERIAL IS TOO DRY TO COMPACT TO THE REQUIRED DENSITY EACH LAYER SHALL BE WETTED IN ACCORDANCE WITH COMPACTION REQUIREMENTS. IF THE MATERIAL IS TOO WET TO SECURE PROPER COMPACTION, IT SHALL BE HARROWED REPEATEDLY OR OTHERWISE AERATED WITH SUITABLE EQUIPMENT UNTIL OPTIMUM MOISTURE CONTENT IS OBTAINED. FILL SHALL BE PLACED IN SUCH A MANNER THAT THE SURFACE WILL DRAIN READILY AT ALL TIMES. SEE STRUCTURAL NOTES AND SOILS REPORT FOR ADDITIONAL REQUIREMENTS.

9. LAYOUT: THE CONTRACTOR SHALL PROVIDE ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK.

10. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION.

11. EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION FROM SURVEY BY MICHAEL UNDERWOOD AND ASSOCIATES AND PROVIDED BY OWNER.

12. THE CONTRACTOR SHALL VERIFY DIMENSIONS AT JOBSITE.

13. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF RELOCATION OR DISCONNECTION OF ALL EXISTING UTILITIES WITH APPLICABLE AGENCIES AND

14. ALL PAVEMENT AND BASE MATERIALS AND WORKMANSHIP SHALL CONFORM TO NCDOT STANDARDS.

15. WATER AND SEWER SERVICES SHALL BE INSTALLED TO MEET LOCAL AND STATE PLUMBING CODES, METER AND TAPS SHALL MEET ALL LOCAL REQUIREMENTS.

16. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE.

17. SEE SOILS REPORT FOR ADDITIONAL REQUIREMENTS.

MIXED, QUICK DRYING, NON-BLEEDING.

18. CONTRACTOR SHALL NOTE THAT EARTHWORK QUANTITIES ARE HIS RESPONSIBILITY. PLANS DO NOT REPRESENT A BALANCED EARTHWORK

19. REINF. CONC. PIPE SHALL BE CLASS III W/RUBBER GASKETED JOINT OR

"RAM NECK". INSTALL PER MANUFACTURER'S REQUIREMENTS. 20. USE WHITE LANE MARKING PAINT FOR ALL PAVEMENT MARKINGS. PAINT SHALL BE A CHLORINATED RUBBER ALKYD, FS TT-P-115, TYPE III, FACTORY

21. REFER TO THE PLUMBING DRAWINGS FOR LOCATION AND INVERTS OF NEW WASTE, WATER AND ROOF DRAIN LINES.

## TEMPORARY/PERMANENT GRASS **SPECIFICATION:**

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS.

2. RIP THE ENTIRE AREA TO A 6 INCH DEPTH.

FERTILIZER: 17 LBS. PER 1000 S.F.

3. REMOVE ALL ROCKS, ROOTS AND OTHER OBSTRUCTIONS LEAVING SURFACES SMOOTH AND UNIFORM.

4. APPLY AGRICULTURAL LIME AND FERTILIZER UNIFORMLY AND MIX WITH SOIL. LIME: 45 LBS. PER 1000 S.F. PHOSPHOROUS: 20 LBS PER 1000 S.F.

5. CONTINUE TILLAGE UNTIL A WELL PULVERIZED, FIRM, UNIFORM SEED BED IS PREPARED 4-6 INCHES DEEP.

6. SEED ON A FRESHLY PREPARED SEED BED AND COVER SEED LIGHTLY. 2 - 3 LBS PER 1000 S.F. (SEE MIXTURE BELOW)

7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH. GRAIN STRAW & HAY AT 75 TO 100 LBS PER 1000 S.F. WOOD CHIPS AT 500 LBS. PER 1000 S.F. JUTE & MESH AS PER MANUFACTURER

8. ASPHALT FOR ANCHORING MULCH SHALL BE TYPE SS-1 EMULSION AND APPLIED AT A RATE OF 1000 GAL. PER ACRE FOR SLOPE STABILIZATION, AND 150 GAL PER TON OF STRAW FOR ANCHORING STRAW.

9. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEED WITHIN THE PLANTING SEASON, IF POSSIBLE. IF GRASS STAND SHOULD BE OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.

10. CONSULT CONSERVATION INSPECTOR ON MAINTENANCE, TREATMENT, AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

11. SEED FOR TEMPORARY AND PERMANENT APPLICATIONS SHALL BE:

20% CARPET GRASS 28% BERMUDA GRASS

20% TURF FESCUE

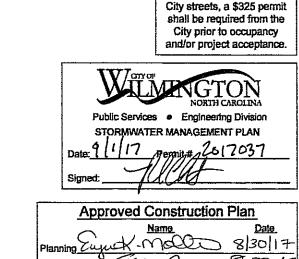
10% CREEPING RED FESCUE

20% ANNUAL RYE GRAIN

\*BERMUDA SEED SHALL BE HULLED FOR WARM WEATHER PLANTING. PURITY OF SEED SHALL BE A MIN. OF 98% AND GERMINATION SHALL BE A MIN. OF 85%.

ALL DISTURBED AREA SHALL BE SEEDED WITHIN 7-14 DAYS OF THE COMPLETION OF GRADING. SEE EROSION CONTROL AND MAINTENANCE NOTES. CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS, OTHER SEEDING SCHEDULES MAY BE POSSIBLE.

CALL 811 (3) WORKING DAYS BEFORE YOU DIG



Traffic W FM Day 8-30-17 5 4~ 8/31/17 NCDENR PWSS WATER PERMIT# WATER CAPACITY: DWQ SEWER PERMIT#

SEWER CAPACITY: SEWER SHED # AND PLANT: SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

For each open utility cut of

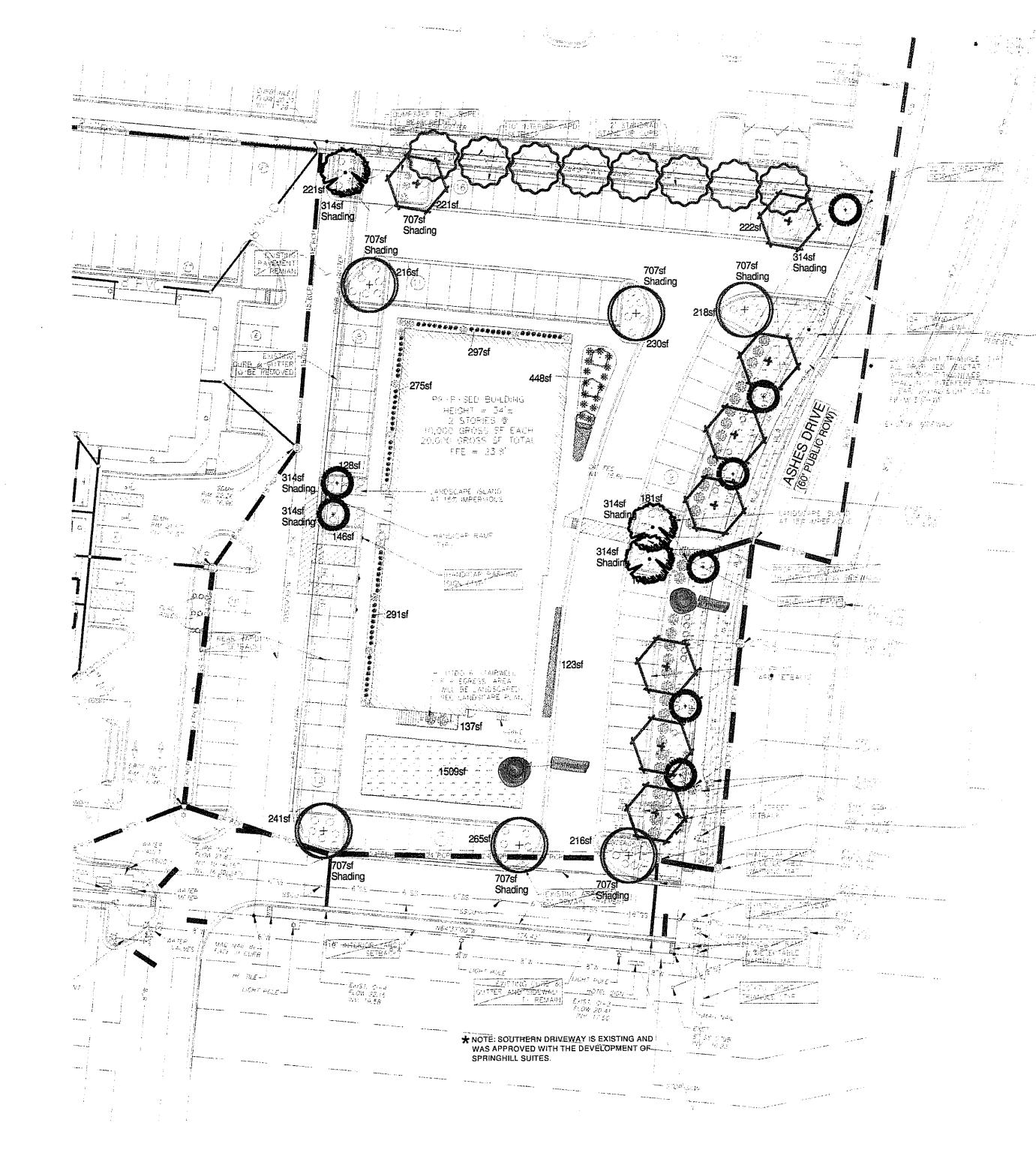
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Licence #C-3641

16127 DES. TJC CKD.

DATE: 7/27/17



LEGEND

Legend			
Common Name	Size	Qty	
Plants  Boxwood Wintergreen Camellia Sasanqua Yuletide Cleyera Japonica Holly, Yaupon, Dwarf Miscanthus Sinensis Yew, Upright Japanese Loropetalum Evered Liriope Emerald Goddess	7 Gal. 7 Gal. 3 Gal. 3 Gal. 3 Gal. 3 Gal.	72 38 72 30 26 15 92	36" Ht.(Low Buffer)
Tree, Canopy(Large)			Landscape Notes:  1. Landscaping shall be co
Live Oak Allee Elm Curopean Hornbeam Trident Maple	2" Cal. 2" Cal. 2" Cal. 2" Cal.	6 4	3. The areas within the trial free of all obstructions to any clearing, grafencing will be installed. No construction worker within the tree protections. All landscape beds are to be seeded temporarily until weather allows for the seeds are allows for the seeds are allows for the seeds.
Tree, Understory(Small)  Crape Myrtle Tuscarora  East Palatka Holly, TF	<del></del>	<u>4</u> 3	7. Using the Creative Stan planted as called out.

R05100-003-103-000 PARCEL ID#: 315818.40.7596.000 PARCEL PIN#: VICINITY MAP 1010 ASHES DRIVE SITE ADDRESS TCG HOLDING COMPANY PARCEL OWNER: 1.4 AC (60,781 SF) x 15 Trees/ Acre Reg'd., PARCEL AREA: COMMERCIAL (OFFICE BUILDING) 21 Trees 2" Cal. Regid & Provid-PROPOSED PARCEL USE O&I-1 OFFICE & INSTITUTION **CURRENT ZONING:** WATERSHED RESOURCE PROTECTION GAMA LAND CLASSIFICATION INTERIOR SIDE SETBACK: REAR SETBACKS: SIDE SETBACK S: REAR SETBACKS: 10,000 SF = 0.23 AC 1.4 AC DISTURBED AREA: MAX. LOT COVERAGE OSI 2 (10,000 SF EACH) BUILDING STORIES: 45' (34± PROPOSED) MAX, BUILDING HEIGHT STEEL & METAL TYPE 5 BUILDING BUILDING CONSTRUCTION TYPE: 60,781 SF EXISTING IMPERVIOUS AREA: 8.576 SF / 14.1% EXISTING IMPERVIOUS TO BE REMOVED: EXISTING IMPERVIOUS AREA TO REMAIN: 10,000 SF 10.397 SF 10.943 (26%) 25,841sf x 20% = 5,168sf Shading PERVIOUS CONCRETE: SIDEWALK: required; 6,833sf Provid. CURB & GUTTER: Proposed Impervious Area (Parking/Driveways):
707 SF Shading X 7 = 4,949 SF Shading Prov'd
314 SF Shading X 6 = 1,884 SF Shading Prov'd
Total Shading Prov'd = 6,833F 41,657 SF 41,657 SF EXISTING IMPERVIOUS AREA TO REMAIN: 8,139 SF TOTAL PROJECT IMPERVIOUS AREA: NOTE: SITE IS DESIGNED TO MEET EXCEPTIONAL DESIGN CRITERIA. PARKING REQUIREMENT: OFFICE BUILDING VEHICLE PARKING REQUIRED: 100 PARKING SPACES - MAX, 1 SPACE PER 200 SF OF GFA= 66 PARKING SPACES - MIN, 1 SPACE PER 300 SF OF GFA⇒ PARKING PROPOSED = 3 HANDICAP SPACES 75 TOTAL SPACES BICYCLE PARKING REQUIRED: TOTAL PROVIDED = LANDSCAPING REQUIREMENTS (REFER TO LANDSCAPE PLAN):
21 TREES PER DISTURBED ACRE REQUIRED 15 X DISTURBED AREA 12% BUILDING HEIGHT X LENGTH 287 SF PROVIDED X .5 = 26 " S: 70 X 34 X .12 = 286 SF REQUIRED E: 157 - 17 X 34 X .12 = 571 SF REQUIRED W: 157 -19 X 34 X .12 = 563 SF REQUIRED PARKING AREA SCHEENING ALONG ROW: TRASH REMOVAL WATER AND SEWER CAPACITY NEEDS
75 EMPLOYEES @ 25 GAL/EMPLOYEE/DAY= 1.875 GPD For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy

1. Landscaping shall be complete before issuance of a C.O.

2. A rain/freeze sensor shall be used if there is an irrigation system.
 3. The areas within the triangular sight distance shall be maintained free of all obstructions between 30" and 10'.

SITE DATA TABLE

4. Prior to any clearing, grading or construction activity, tree protection fencing will be installed around protected trees or groves of trees. No construction workers, tools, materials or vehicles are permitted within the tree protection fencing.

5. All landscape beds are to be mulched with 3" of brown mulch. 6. If project is completed during winter months, winter rye shall be seeded temporarily

until weather allows for coastal mix seed. 7. Using the Creative Standard of the Code 50% of the streetyard shall be planted as called out.

and/or project acceptance.

Approved Construction Plan			
	<u>Name</u>	<u>Date</u>	
Planning Synch	/molle	8/30/17	
Traffic W GM	Dow 8	-30-17	
Fire Son 8 a	_	8/31/17	
		, ,	

ALODELIO DIAZO MATEO DEDIATE	
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)

ASHES DRIVE OFFICE BUILDING 1010 ASHES DRIVE WILMINGTON, N. C.

Revision #: 5

LANDSCAPE, INC.

Landscape Installation Professionals

Date: 8/22/2017

Scale:

1'' = 30'

Landscape Plan:

Ashes Drive Office Bldg.

jim@freemanlandscape.com 910-796-1166

Landscape Design by: James Freeman - NCLC# 71 Freeman Landscape, Inc.