

	BUILDING DATA P	HASE I											
#	BUILDING	USE	STORIES	UNITS	GROUND FLOOR (SF)	2ND FLOOR (SF)	3RD FLOOR (SF)	4TH FLOOR (SF)	GBA (SF)	FOOTPRINT (SF)	# OF BUILDINGS	HEIGHT	CONSTRUCTION TYPE
1	COFFEE SHOP/OFFICE *	RESTAURANT/OFFICE	2		11,020	9,995			21,015	13,070	1	21'-6"/44'-8"/68'-0"	V-A
2,3	OFFICE	OFFICE	2		13,586	13,664			27,250	14,330	2	41'-2"	V-A
4	MIXED USE	RETAIL/RESIDENTIAL	4	60	23,873 **	24,714***	24,714***	24,714***	98,015	27,500	1	14'-8"/63'-0"	V-A
5,6	RESIDENTIAL	RESIDENTIAL	4	56	7,940	7,493	7,493	7,493	30,419	8,600	2	64'-8"	V-A
7	CAFE	SNACK/RESTROOMS	1		640				640	640	1	14'±	_
	TOTAL			116	_	-	_	_	234,368	87,070	7		
, —								OFFICE.	77 079 0	•			

* RESTAURANT/BAR SPACE ALLOCATION ** RETAIL ***RESIDENTIAL

73,278 SF 23,873 SF OFFICE: **RETAIL:** RESTAURANT: 2,237 SF 134,980 SF 234,368 SF RESIDENTIAL: TOTAL:

PAF	RKING DATA PH	HASE I		<u> </u>							
#	BUILDING	USE	SF RESTAURANT	SF OFFICE	SF RETAIL	1 BR UNITS	2 BR UNITS	MAX. PARKING REQD.	MIN. PARKING REQD.	PARKING PROVD.	HC ACESSIBLE PARKING
1 COFF	FEE SHOP/OFFICE *	RESTAURANT/OFFICE	2,237±(1,500)	18,778				23/94 (117)	19/63 (82)	90	4
2,3 OFF	CE	OFFICE		54,500				273	182	216	8
4 MIXE	D USE	RETAIL/RESIDENTIAL			23,873	30	30	119/75/75 (269)	60/45/60 (165)	92 RET./110	10
5,6 RESI	DENTIAL	RESIDENTIAL				24	32	60/80 (140)	30/64 (94)	94	4
7 BICY	CLE PARKING									(35)	
TOTA	AL					54	62	799	523	602	26

PARKING REQUIREMENTS

PARKING REQUIREMENT PER USE, NO MINUMUM REQUIREMENT IN MX ZONE

OFFICE: 1 PER 200 SF GFA MAX. 1 PER 300 SF GFA MIN. RETAIL: 1 PER 200 SF GFA MAX.

RESTAURANT: 1 PER 2.5 SEATS OR 1 PER 65 SQ FT GFA EXCLUSIVE OF KITCHEN AND RESTROOM

1 PER 4 SEATS OR 1 PER 80 SQ FT GFA EXCLUSIVE OF KITCHEN RESTROOM FACILITIES MIN.

RESIDENTIAL: 2.5 SPACES PER UNIT MAX.

1 PER 400 SF GFA MIN.

1.5 SPACE PER UNIT MIN. (1 BR) 2.0 SPACES PER UNIT MIN. (2 BR)

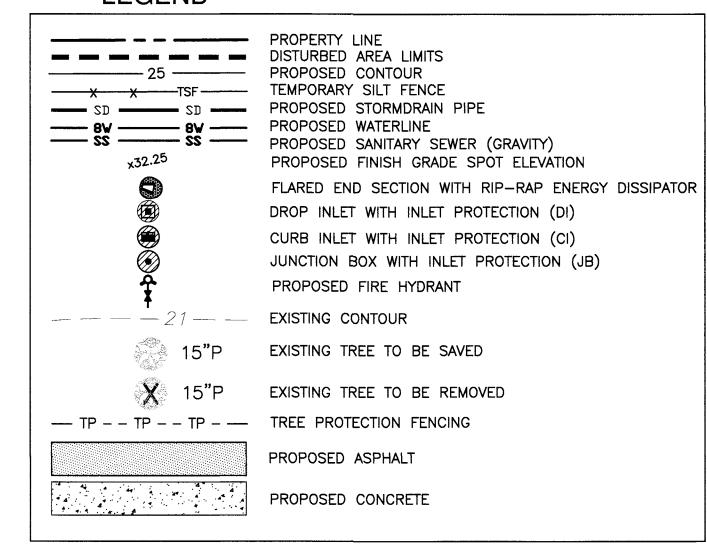
2.25 SPACES PER UNIT MIN. (3+ BR)

PROVISIONS FOR PARKING AN ADDITIONAL FIVE (5) BICYCLES UP TO A BICYCLE PARKING SYSTEM THAT CAN ACCOMMODATE A MAXIMUM OF TWENTY (20)

BICYCLE PARKING: 5 BICYCLE PARKING FOR THE FIRST 25 CAR PARKING SPACES. EACH ADDITIONAL ONE HUNDRED (100) AUTOMOBILE PARKING SPACES ABOVE THE TWENTY-FIVE (25) MINIMUM SHALL REQUIRE

SITE DATA TABLE OFFICE/RETAIL/RESTAURANT/RESIDENTIAL 73.37 ACRES (3,196,000 SF) R05000-004-147-000 PARCEL AREA: PARCEL ID#: PARCEL OWNER: TRASK D WEBSTER REVOCABLE TRUST MAP ID#: 314708.97.1975.000 ADDRESS: 1202 EASTWOOD ROAD ZONING: MX/SHOD CAMA LAND USE: WATERSHED RESOURCE PROTECTION 20' MIN. FROM MX BOUNDARY 50' MIN. FROM US AND NC HIGHWAYS AND MAJOR THOROUGHFARES BUILDING SETBACKS MX: (REQUIRED) INTERIOR: NO MINIMUM, WITHIN 10' OF INTERNAL STREET R/W PREFERED. BUILDING SETBACKS: (PROPOSED) 75' MIN. WITH 25% SHOD REDUCTION BUILDING: 100' (75' MIN. WITH 25% SHOD REDUCTION)
PARKING: 50' (37.5' MIN. WITH 25% SHOD REDUCTION)
INTERIOR SIDE: 20' SHOD SETBACKS: *ADDITIONAL STREETYARD PLANTINGS ARE REQUIRED WHEN TAKING THE SHOD 25% REDUCTION SITE AREA PHASE I: 559,520 SF (12.84 AC)
BUILDING LOT COVERAGE: 6.42% ± LANDSCAPING: SEE PLANS BY MIHALY LAND DESIGN FOUNDATION PLANTINGS (12%)
LANDSCAPING REQ'D INTERIOR (AS PER O&I REGULATIONS): OPEN SPACE FOR MX DEVELOPMENT: 35% (10% COMMON/25% OPEN) TRASH SERVICE: DUMPSTER/HANDCART WATER/SEWER DEMANDS OFFICE/RETAIL = 24,287 GPD RESTAURANT = 1,151 GPD RESIDENTIAL = 27,840 GPD TOTAL = 53,278 GPD IMPERVIOUS AREA: BUILDINGS: 87,070 SF SIDEWALK: 29,978 SF ASPHALT/CONC./C&G: 256,055 SF 373,103 SF 66.7% TOTAL: PERCENT IMP.:

LEGEND



Approved Construction Plan NCDENR PWSS WATER PERMIT #: WATER CAPACITY: For each open utility cut of DWQ SEWER PERMIT #: City streets, a \$325 permit SEWER CAPACITY: shall be required from the SEWER SHED # AND PLANT: and/or project acceptance. SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

City prior to occupancy

Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN COMMERCIAL ID ROAD

SITE DATA
AUTUMN HALL COMME
1202 EASTWOOD ROAD
WILMINGTON, NC
NEW HANOVER COUNTY

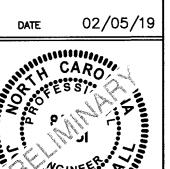
DEVELOPER
WEB TRASK C/O MIKE BROWN
CAPE FEAR COMMERCIAL, LLC
1051 MILITARY CUTOFF RD.,
SUITE 200
WILMINGTON, NC 28405
344-1010 (P) 622-4657 (CELL)

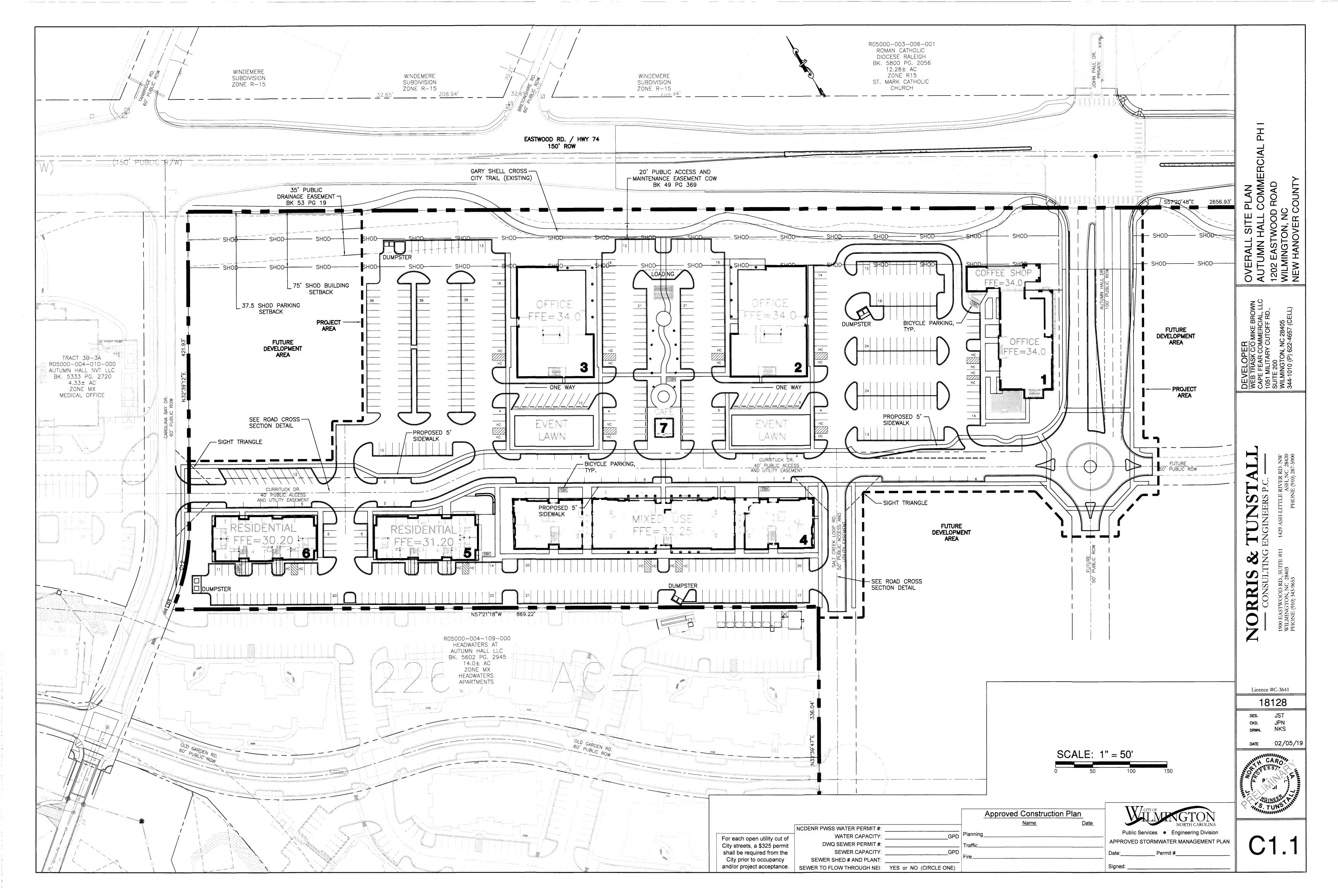
TAI P.C. TUNS

ORRIS CONSULT

Licence #C-3641

18128 JST DES. CKD. JPN NKS





#	BUILDING DATA F	USE	STORIES	UNITS	GROUND FLOOR (SF)	2ND FLOOR (SF)	3RD FLOOR (SF)	4TH FLOOR (SF)	GBA (SF)	FOOTPRINT (SF)	# OF BUILDINGS	HEIGHT	CONSTRUCTION TYPE
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5,6	RESIDENTIAL	RESIDENTIAL	4	56	7,940	7,493	7,493	7,493	30,419	8,600	2	64'-8"	V-A
7	CAFE	SNACK/RESTROOMS	1		640				640	640	1	14'±	_
	TOTAL			116	_	<u> </u>	_	_	234,368	87,070	7		
	* RESTAURANT/BAR S ** RETAIL ***RESIDENTIAL	SPACE ALLOCATION						OFFICE: RETAIL: RESTAURANT:	73,278 SF 23,873 SF 2,237 SF				

	PARKING DATA F	PHASE I									
#	BUILDING	USE	SF RESTAURANT	SF OFFICE	SF RETAIL	1 BR UNITS	2 BR UNITS	MAX. PARKING REQD.	MIN. PARKING REQD.	PARKING PROVD.	HC ACESSIBLE PARKING
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5,6	RESIDENTIAL	RESIDENTIAL				24	32	60/80 (140)	30/64 (94)	94	4
7	BICYCLE PARKING									(35)	
										•	
	TOTAL					54	62	799	523	602	26

1 PER 300 SF GFA MIN. RETAIL: 1 PER 200 SF GFA MAX.

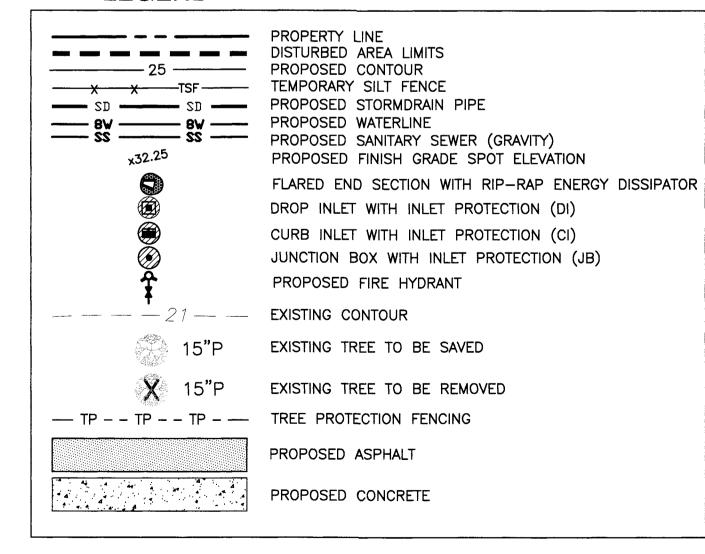
FACILITIES MIN.

1.5 SPACE PER UNIT MIN. (1 BR)

TWENTY-FIVE (25) MINIMUM SHALL REQUIRE CAN ACCOMMODATE A MAXIMUM OF TWENTY (20)

SITE DATA TABLE OFFICE/RETAIL/RESTAURANT/RESIDENTIAL PARCEL AREA: 73.37 ACRES (3,196,000 SF) PARCEL ID#: PARCEL OWNER: MAP ID#: R05000-004-147-000 TRASK D WEBSTER REVOCABLE TRUST 314708.97.1975.000 ADDRESS: 1202 EASTWOOD ROAD ZONING: MX/SHOD CAMA LAND USE: WATERSHED RESOURCE PROTECTION BUILDING SETBACKS MX: (REQUIRED) 20' MIN. FROM MX BOUNDARY 50' MIN. FROM US AND NC HIGHWAYS AND MAJOR THOROUGHFARES INTERIOR: NO MINIMUM, WITHIN 10' OF INTERNAL STREET R/W PREFERED. BUILDING SETBACKS: (PROPOSED) 75' MIN. WITH 25% SHOD REDUCTION BUILDING: 100' (75' MIN. WITH 25% SHOD REDUCTION)
PARKING: 50' (37.5' MIN. WITH 25% SHOD REDUCTION)
INTERIOR SIDE: 20'
*ADDITIONAL STREETYARD PLANTINGS ARE REQUIRED
WHEN TAKING THE SHOD 25% REDUCTION SHOD SETBACKS: 559,520 SF (12.84 AC) SITE AREA PHASE I: BUILDING LOT COVERAGE: 6.42% ± LANDSCAPING: SEE PLANS BY MIHALY LAND DESIGN FOUNDATION PLANTINGS (12%)
LANDSCAPING REQ'D INTERIOR (AS PER O&I REGULATIONS): OPEN SPACE FOR MX DEVELOPMENT: 35% (10% COMMON/25% OPEN) TRASH SERVICE: DUMPSTER/HANDCART WATER/SEWER DEMANDS OFFICE/RETAIL = 24,287 GPD RESTAURANT = 1,151 GPD RESIDENTIAL = 27,840 GPD TOTAL = 53,278 GPD IMPERVIOUS AREA: 87,070 SF 29,978 SF **BUILDINGS:** SIDEWALK: ASPHALT/CONC./C&G: 256,055 SF TOTAL: 373,103 SF PERCENT IMP .: 66.7%

LEGEND



NCDENR PWSS WATER PERMIT #: WATER CAPACITY: For each open utility cut of DWQ SEWER PERMIT #: City streets, a \$325 permit SEWER CAPACITY: _GPD shall be required from the City prior to occupancy SEWER SHED # AND PLANT: and/or project acceptance. | SEWER TO FLOW THROUGH NEI: YES or NO (CIRCLE ONE)

Approved Construction Plan GPD | Plannin

Public Services • Engineering Division

0

Licence #C-3641

DES.

CKD.

DRWN.

18128

JST

JPN NKS

DATE 02/05/19

COMMERCIAL I

DEVELOPER
WEB TRASK C/O MIKE BROWN
CAPE FEAR COMMERCIAL, LLC
1051 MILITARY CUTOFF RD.,
SUITE 200
WILMINGTON, NC 28405
344-1010 (P) 622-4657 / CELLY

APPROVED STORMWATER MANAGEMENT PLAN

23,873 SF 2,237 SF 134,980 SF **RETAIL: RESTAURANT:** RESIDENTIAL: 234,368 SF

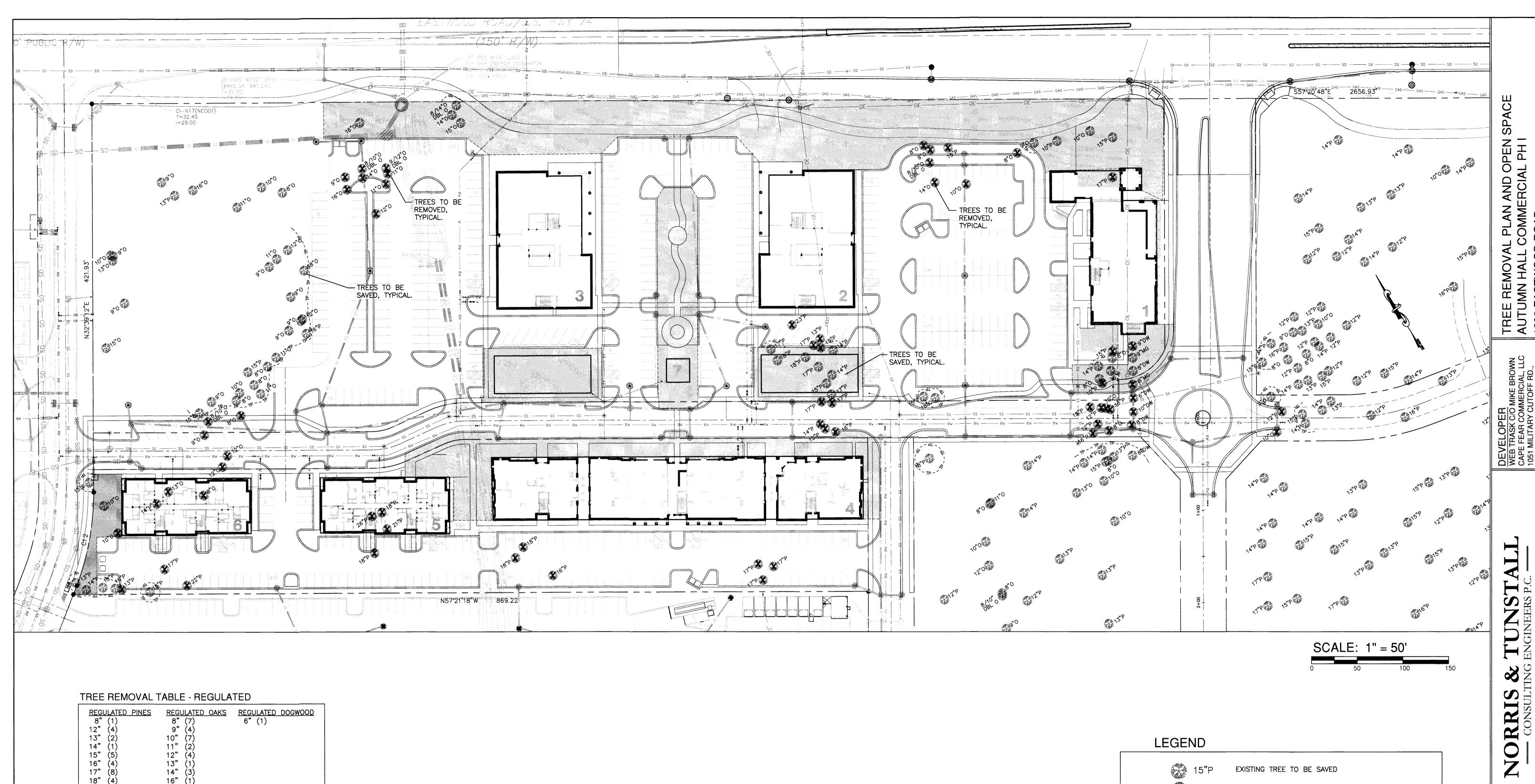
PARKING REQUIREMENTS PARKING REQUIREMENT PER USE, NO MINUMUM REQUIREMENT IN MX ZONE OFFICE: 1 PER 200 SF GFA MAX.

1 PER 400 SF GFA MIN. RESTAURANT: 1 PER 2.5 SEATS OR 1 PER 65 SQ FT GFA EXCLUSIVE OF KITCHEN AND RESTROOM FACILITIES MAX.

1 PER 4 SEATS OR 1 PER 80 SQ FT GFA EXCLUSIVE OF KITCHEN RESTROOM

RESIDENTIAL: 2.5 SPACES PER UNIT MAX. 2.0 SPACES PER UNIT MIN. (2 BR) 2.25 SPACES PER UNIT MIN. (3+ BR)

BICYCLE PARKING: 5 BICYCLE PARKING FOR THE FIRST 25 CAR PARKING SPACES. EACH ADDITIONAL ONE HUNDRED (100) AUTOMOBILE PARKING SPACES ABOVE THE PROVISIONS FOR PARKING AN ADDITIONAL FIVE (5) BICYCLES UP TO A BICYCLE PARKING SYSTEM THAT



TREE REMOVAL TABLE - SIGNIFICANT | SIGNIFICANT PINES | SIGNIFICANT DOGWOODS | SIGNIFICANT MAGNOLIA | 8" (1) | 8" (1) | 9" (1) | 10" (1)

EXISTING TREE TO BE SAVED

EXISTING TREE TO BE REMOVED

PRELIMINARY OPEN SPACE AREA AVAILABLE FOR DESIGNATION AS ACTIVE OR PASSIVE RECREATION AREAS AND OPEN SPACE. (2.3 AC \pm)

Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN

Approved Construction Plan 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) and/or project acceptance.

___GPD For each open utility cut of City streets, a \$325 permit __GPD shall be required from the City prior to occupancy

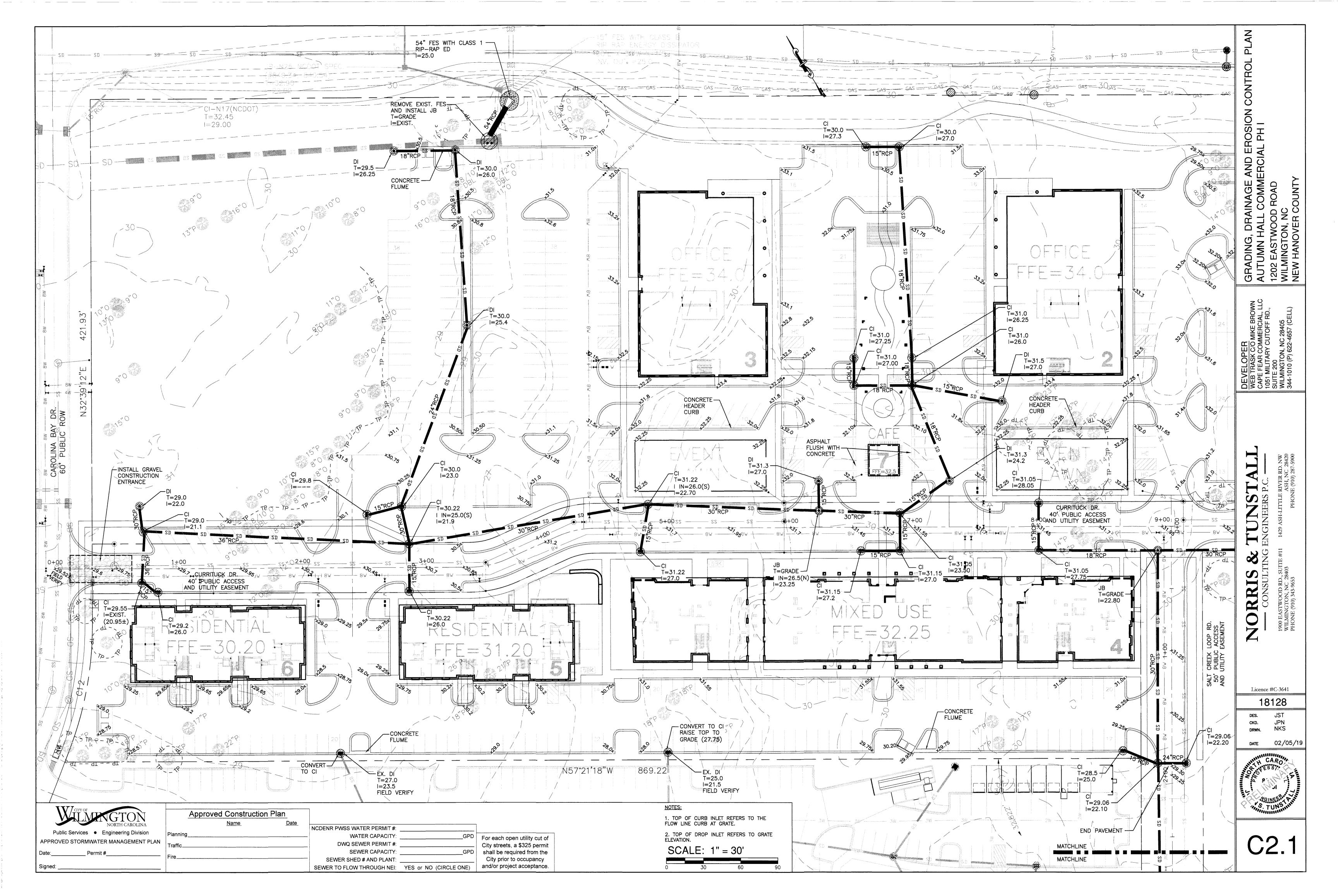
Licence #C-3641

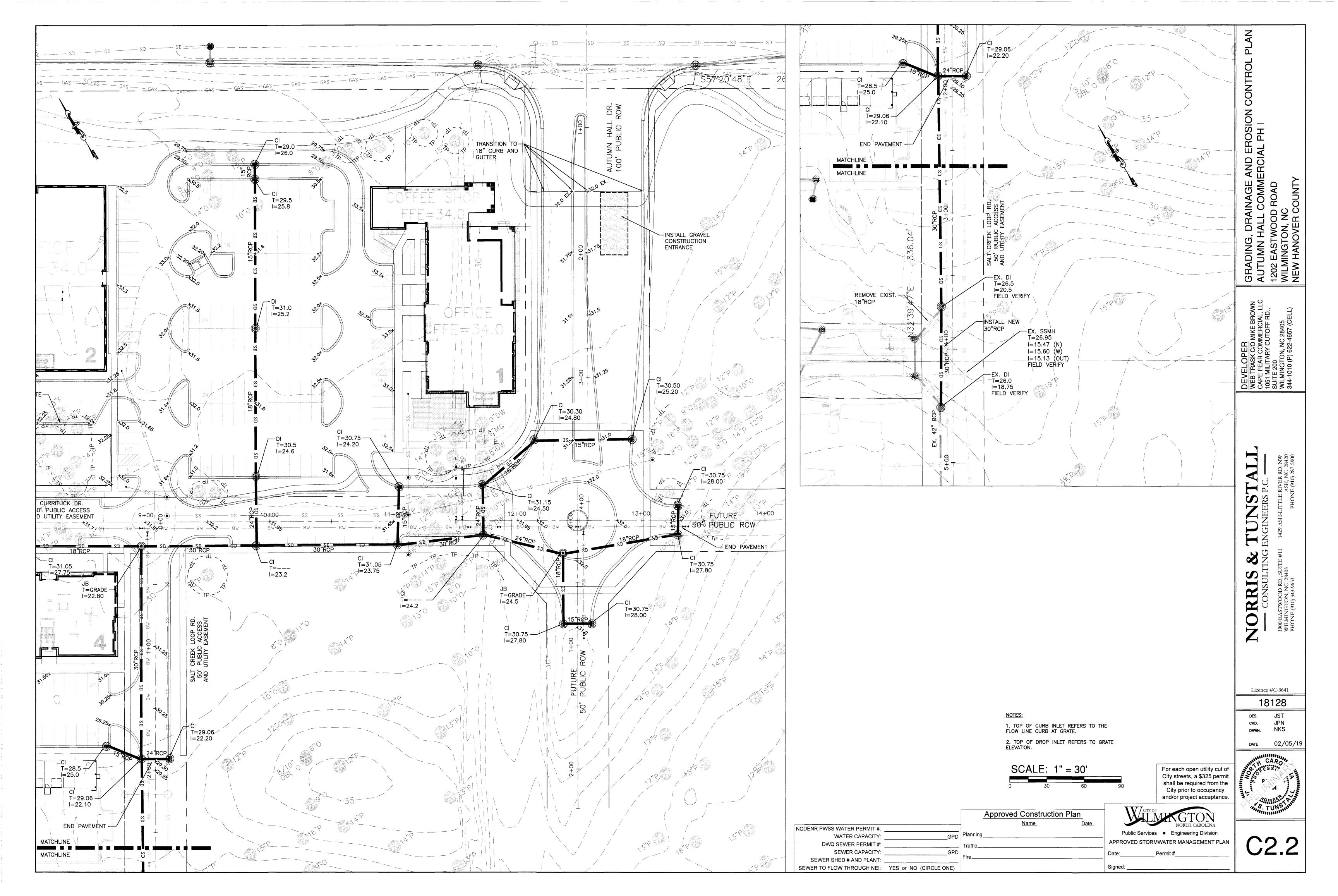
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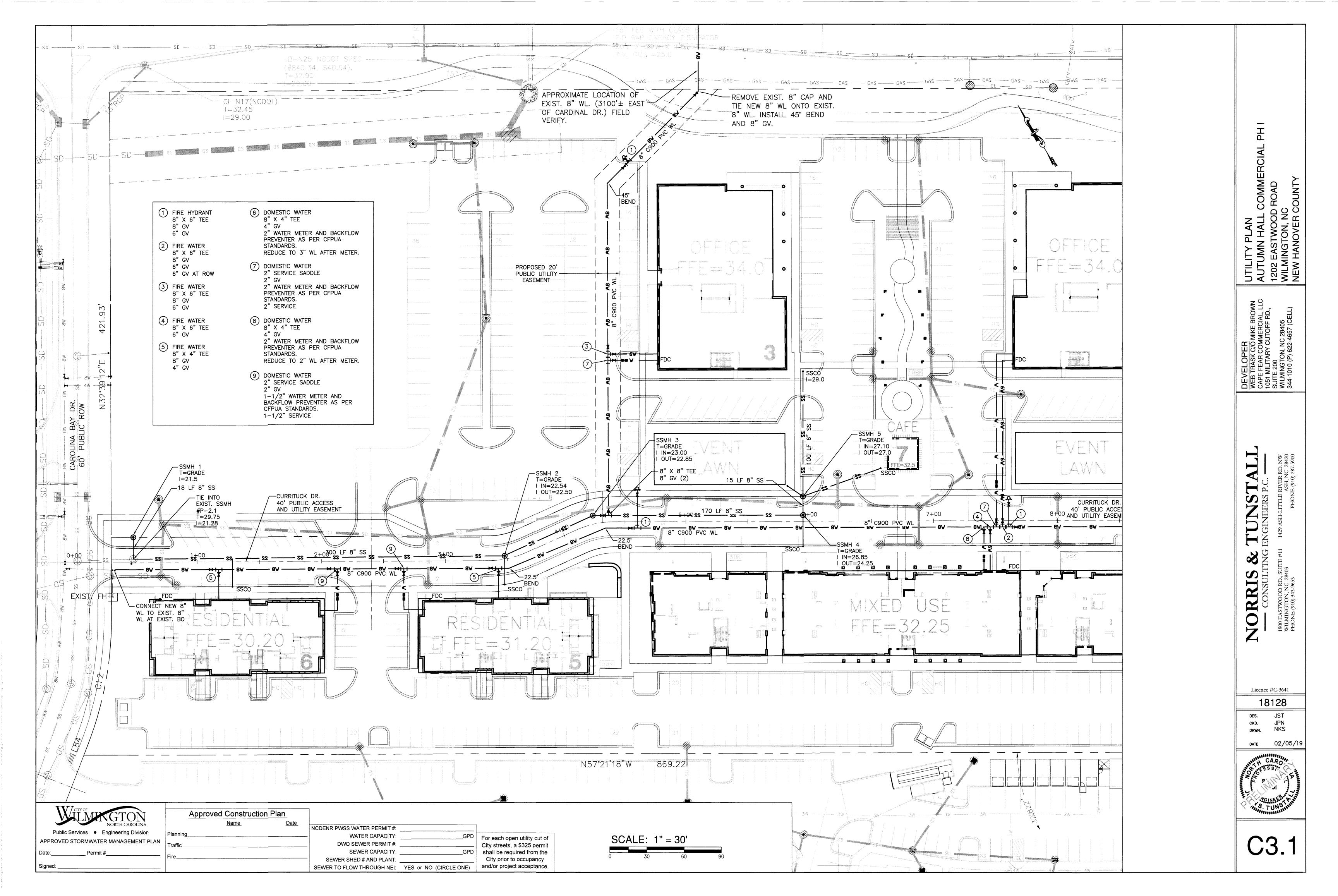
CKD. DRWN. JST

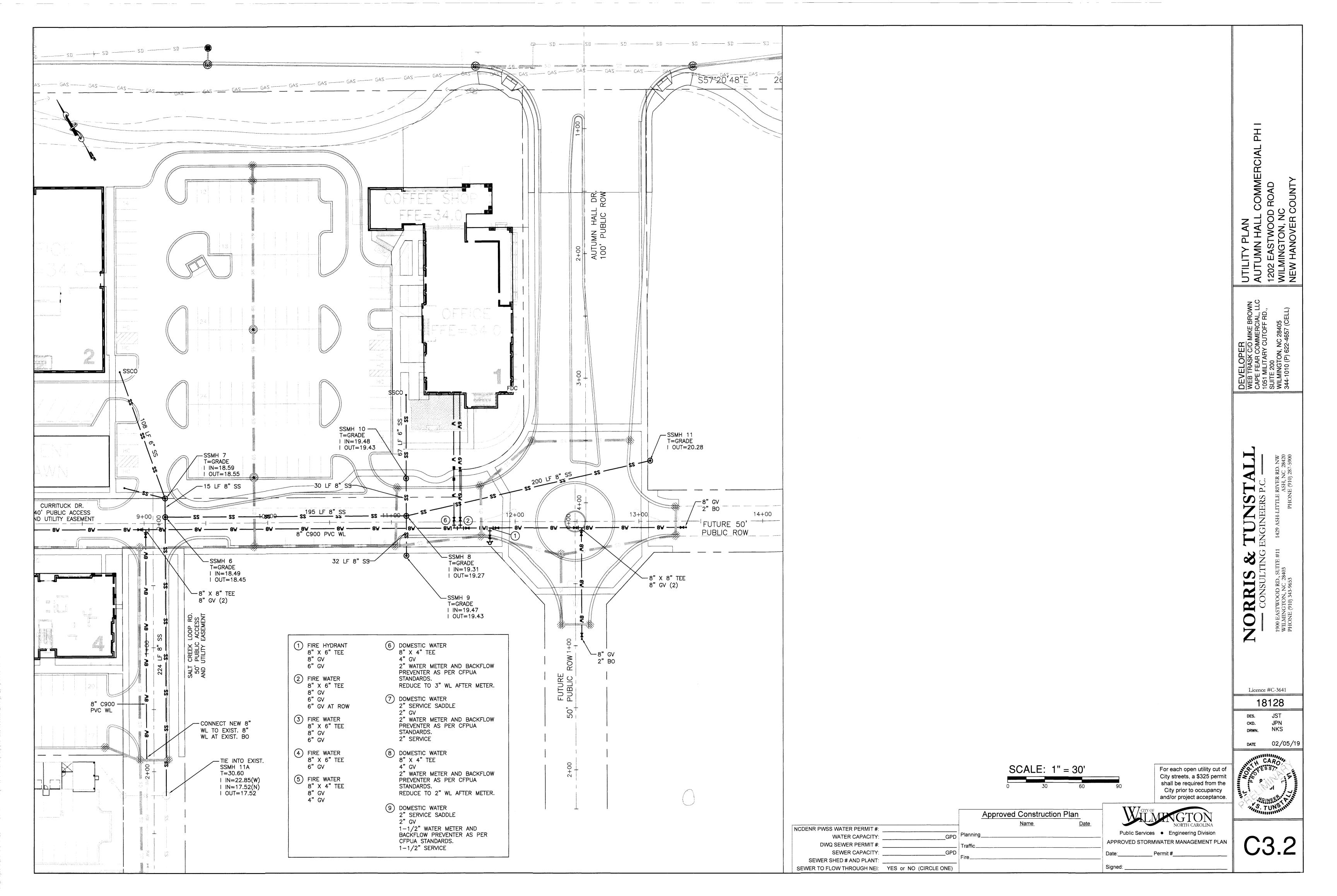
JPN NKS

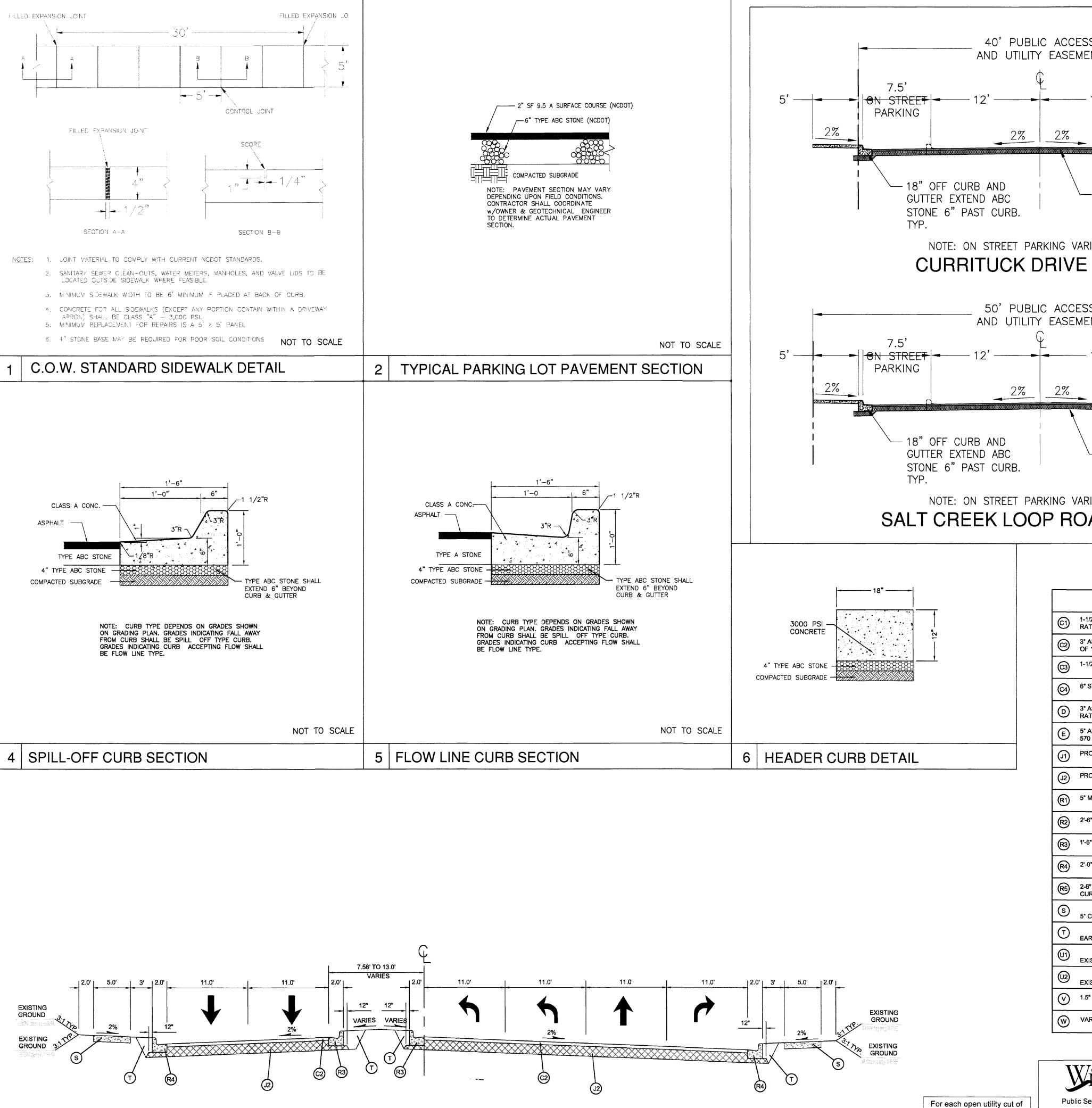
DATE 02/05/19







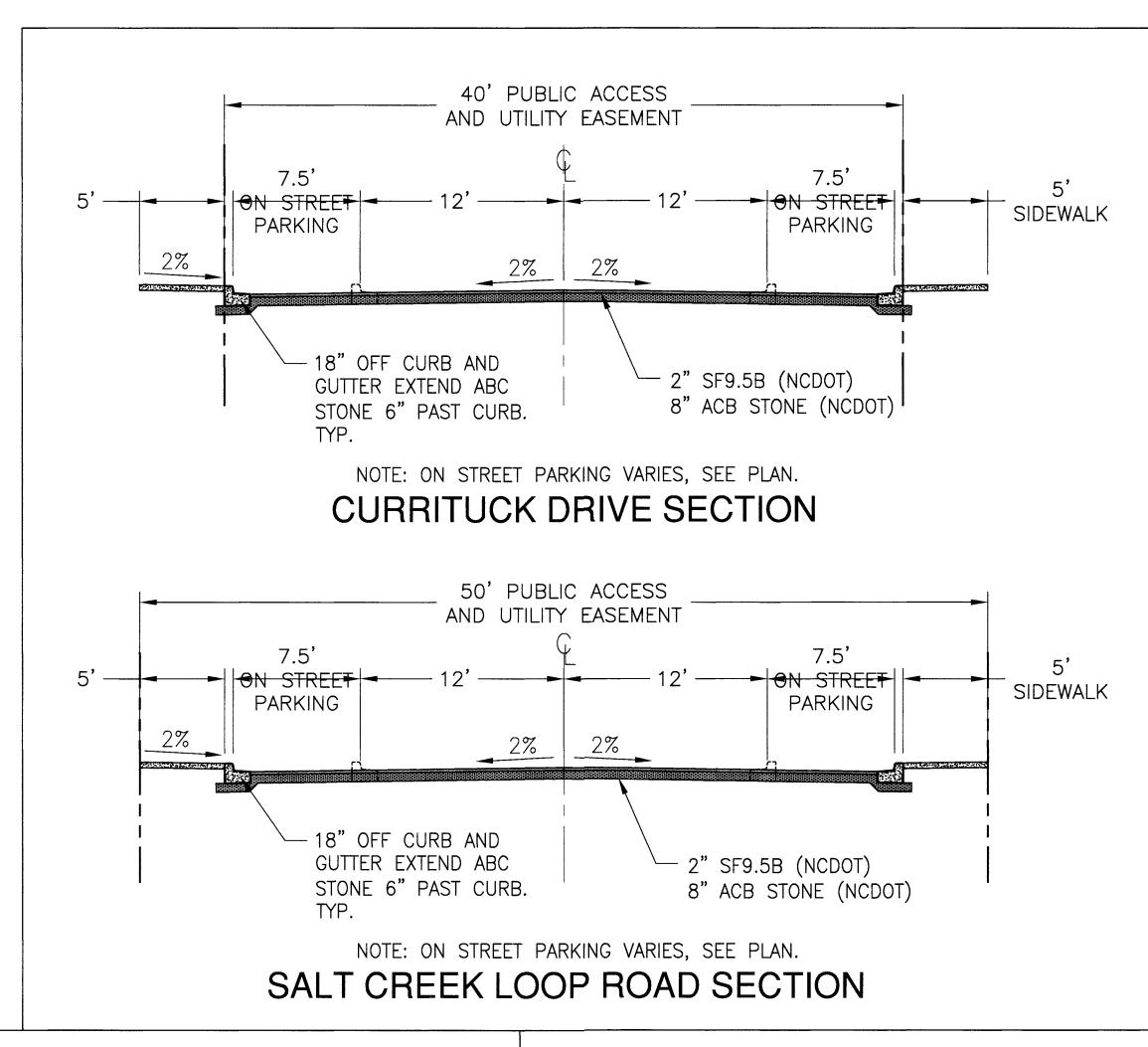


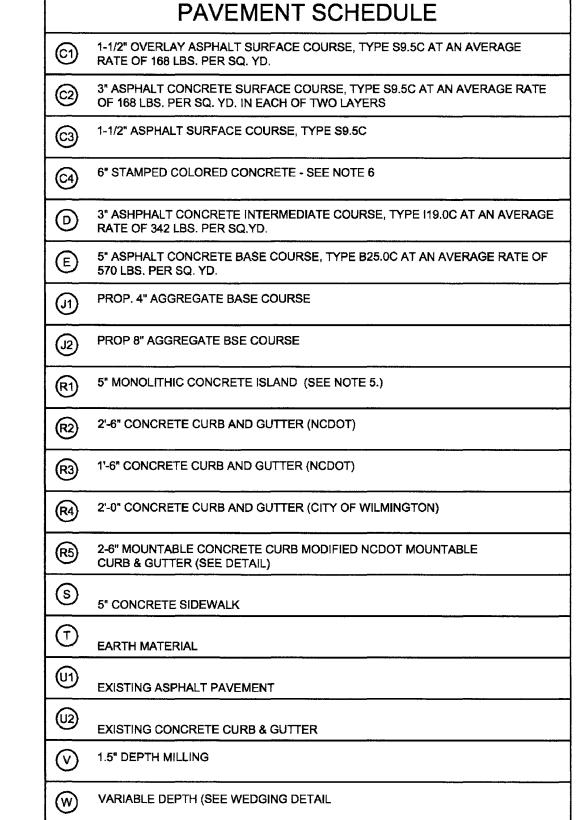


AUTUMN HALL DRIVE ENTRANCE SECTION (EXISTING)

NOTE: DESIGN BY OTHERS AS PART OF

EASTWOOD ROAD IMPROVEMENTS PROJECT.





CITY OF WILMINGTON STANDARD NOTES:

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 FENCING;

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

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

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 STANDARDS.

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 INSTALLATION OF STREET NAME

9. CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO 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

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

12. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.

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 APPROVAL. CALL 343-3910 FOR INFORMATION. 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 DEVELOPER'S SIDE OF THE WATER METER BOX.

15. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REGULATIONS. CALL 332-6558 FOR INFORMATION.

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

17. 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 910-343-0696 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

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

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 LANDSCAPING.

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 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

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 ACCOMODATE BASE FIRE FLOW REQUIREMENTS OF THE STRUCTURE. 12. BUILDING CONSTRUCTION TYPE:

WILMIGTON NORTH CAROLINA	
Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN	Planning Traffic_
Date:Permit #	Fire
Signed:	

City streets, a \$325 permit

shall be required from the

City prior to occupancy

and/or project acceptance.

		IZ. BUILI	JING CONSTRUCTION
	Approved Construction Pla	<u>n</u>	
	Name	Date	
			NCDENR PWSS WA
lanning			WAT
raffic			DWQ SEV
			SEW
ire			SEWER SHED
			SEWER TO FLOW

TER PERMIT #: TER CAPACITY: WER PERMIT #: VER CAPACITY:) # AND PLANT: THROUGH NEI: YES or NO (CIRCLE ONE)

IERCIAL

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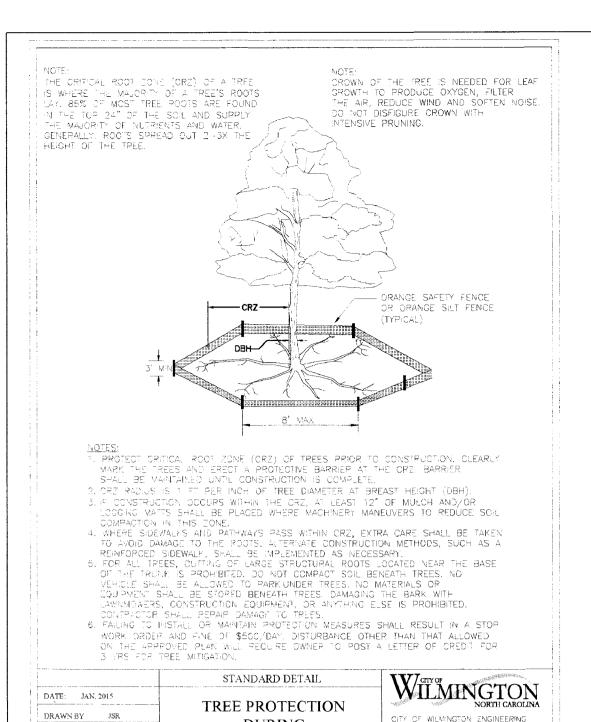
07

Licence #C-3641

18128 JST DES. JPN NKS DRWN.

02/05/19 DATE





DURING

CONSTRUCTION

R7-8a SIGN

(NO ARROW(S))

R7-8e SIGN, A COMBINATION OF THE R7-8a SIGN

AND THE NORTH CAROLINA R7-8d

PENALTY R7-8d

R7-8a and R7-8d SIGNS OR THE R7-8e SIGN

Signage

Figure Al.1

WHERE VAN ACCESSIBLE PARKING IS

(2009 EDITION MUTCD SECTION 2B.47)

R7-8P

Signage

Figure Al.3

DALE THOMPSON

NOT TO SCALE

CHECKED BY: RANDALL GLAZIEF

PROVIDED, THE VAN ACCESSIBLE (R7-8P)
SIGN SHALL BE MOUNTED BELOW THE OTHER
ACCESSIBLE PARKING SIGNS.

EITHER THE COMBINATION OF THE R7-8a AND R7-8d

ACCESSIBLE PARKING SIGNS

INSTALLATION DETAILS

SHEET A1 OF 5

SHEET 1 of 2

(910) 341-7867

12"

R7-8e

Signage

Figure A1.2

FOR DESIGN OF ACCESSIBLE SIGNS, SEE THE

2009 MUTCD OR LATEST EDITION.
2004 EDITION OF THE STANDARD HIGHWAY
SIGNS AND THE 2012 SUPPLEMENT OR LATEST

NORTH CAROLINA 2009 SUPPLEMENT TO THE

DEVICES OR LATEST EDITION NCDOT DRAWING H-1_S FOR SIGNS SP00075,

> WILMINGTON TRAFFIC ENGINEERIN

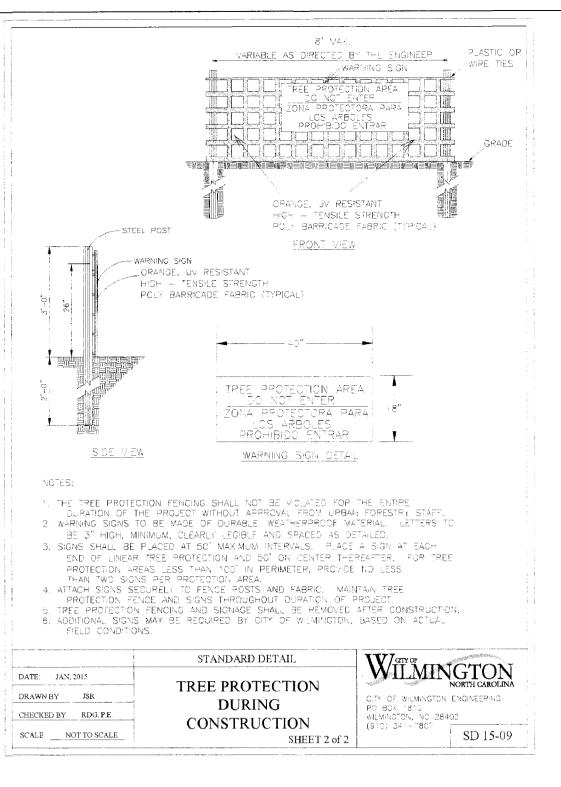
MANUAL OF UNIFORM TRAFFIC CONTROL

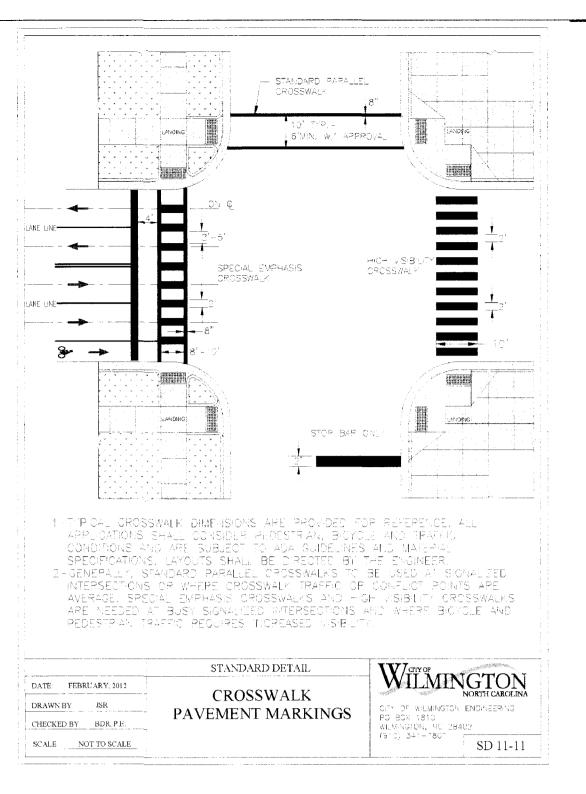
SP00076, AND SP00077.

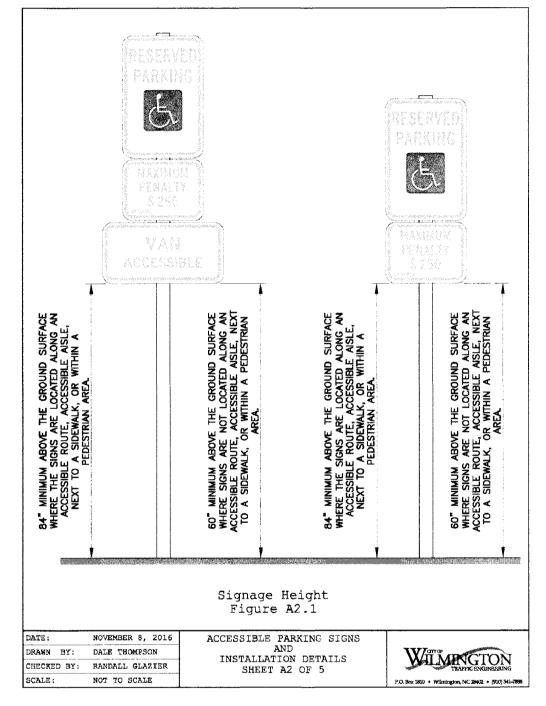
SD 15-09

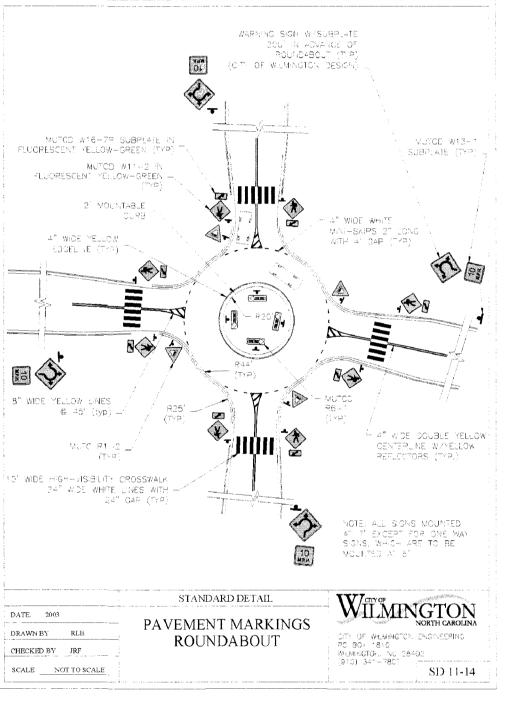
CHECKED BY RDG. P.E.

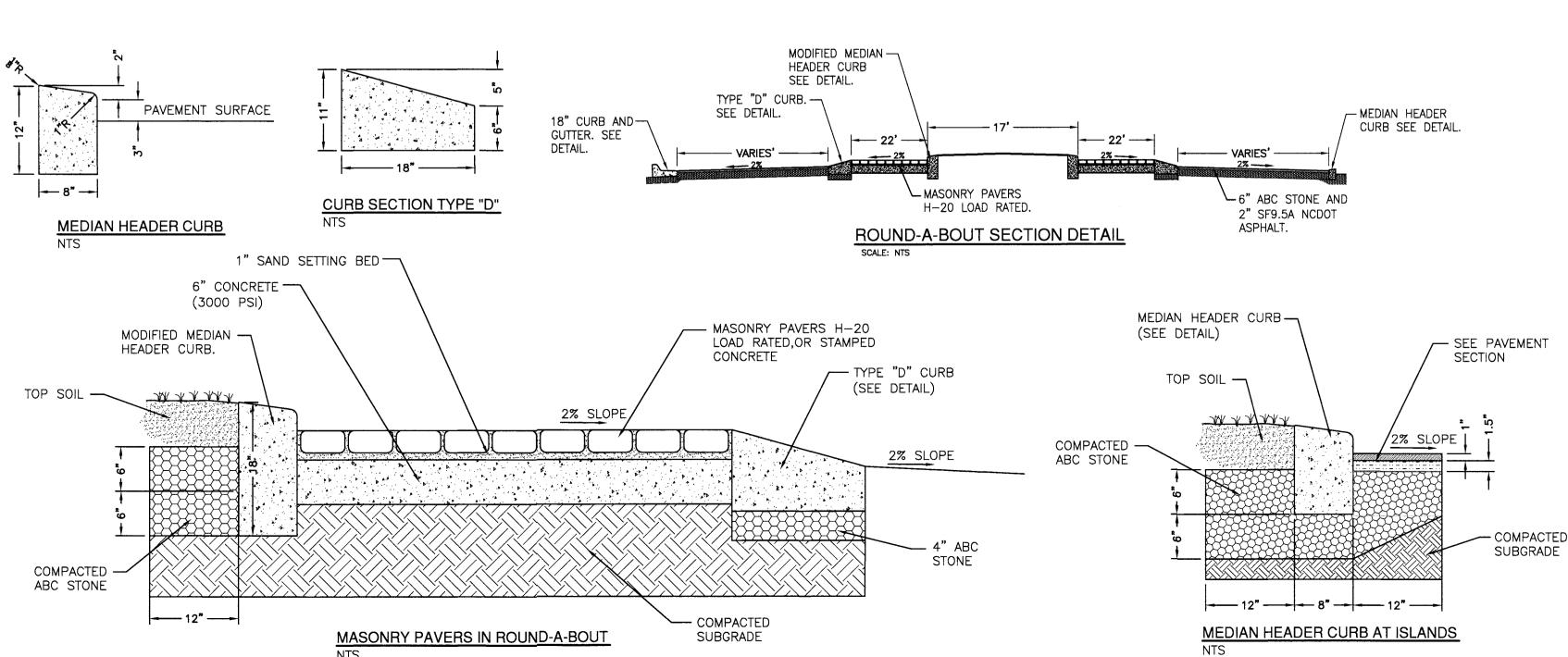
, SCALE NOT TO SCALE

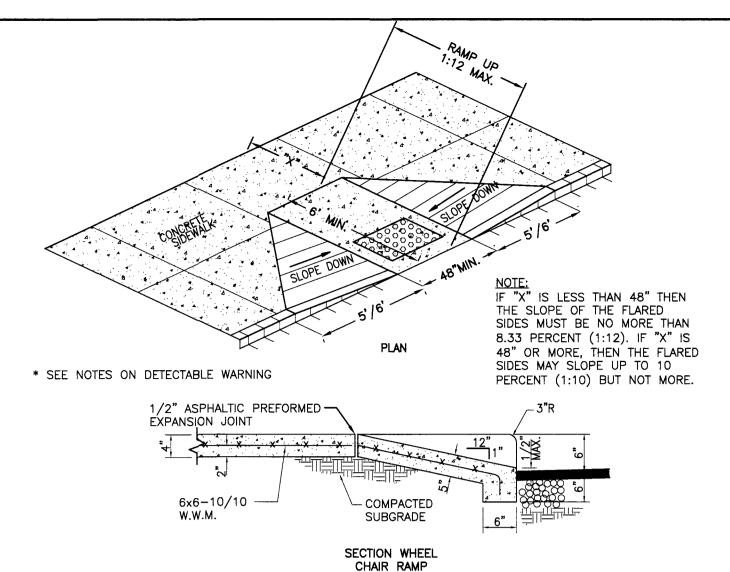




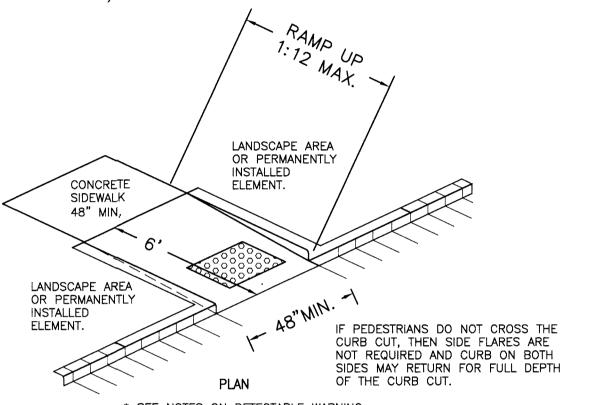








SIDEWALK, CURB CUT AND WHEEL CHAIR RAMP DETAIL



* SEE NOTES ON DETECTABLE WARNING

SIDEWALK, CURB CUT AND WHEEL CHAIR RAMP DETAIL

NOTE:
1. RAMP SHALL HAVE A DETECTABLE WARNING COMPLYING WITH ADA GUIDELINES:

2. THE DETECTABLE WARNINGS AT CURB RAMPS SHALL BE 24 INCHES MINIMUM IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.

3. MARKED CROSSINGS THAT ARE RAISED TO THE SAME LEVEL AS THE ADJOINING SIDEWALK SHALL BE PRECEDED BY A 24 INCH DEEP DETECTABLE WARNING EXTENDING THE FULL WIDTH

OF THE MARKED CROSSING.

4. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN (23 MM), A HEIGHT OF NOMINAL 0.2 IN (5 MM) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN (60 MM) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70% - REFER TO ADA GUIDELINES FOR DEFINITION OF "CONTRAST".

5. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND—ON—CANE CONTACT.

UTILITY NOTES FOR FIRE HYDRANTS:

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

BY VEHICLES.

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

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 ACCOMODATE BASE FIRE FLOW REQUIREMENTS OF THE STRUCTURE.

12. BUILDING CONSTRUCTION TYPE:

CITY OF WILMINGTON STANDARD NOTES:

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 FENCING;

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

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

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 STANDARDS.

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 INSTALLATION OF STREET NAME SIGNS.

9. CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO 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.

12. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.

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 APPROVAL. CALL 343—3910 FOR INFORMATION.

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 DEVELOPER'S SIDE OF THE WATER METER BOX.

15. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REGULATIONS. CALL 332-6558 FOR INFORMATION.

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

17. 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 910-343-0696 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 MOISTURE SENSORS.

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 LANDSCAPING.

24. THE CONTRACTOR WILL MAINTAIN ALL—WEATHER EMERGENCY ACCESS

TO CONSTRUCTION SITE AT ALL TIMES.



AND DETAILS
IN HALL COMMERCIAL PRESTWOOD ROAD

RCIAL, LLC
NFF RD.,
405
7 (CELL)
NOTES AND DET
AUTUMN HALL C
1202 EASTWOOD F
WILMINGTON, NC
NEW HANOVER CC

WEB TRASK C/O MIK CAPE FEAR COMME 1051 MILITARY CUTC SUITE 200 WILMINGTON, NC 28 344-1010 (P) 622-465

HEERS P.C. ———
H-LITTLE RIVER RD. NW
ASH, NC 28420

IG ENGINEERS

OR EASTWOOD RD., SUF ILMINGTON, NC 28403

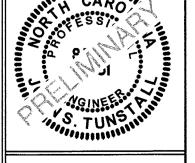
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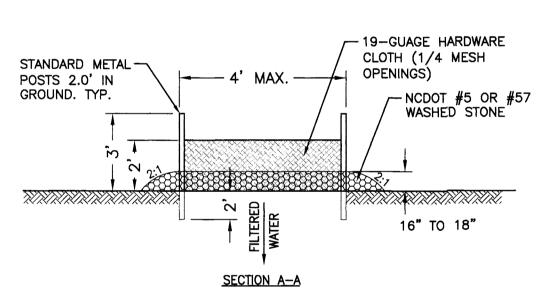
DATE 02/05/19

CARO
CESS



C5.2

NCDOT #5 OR #57 WASHED" STONE



UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET. 2. DRIVE 5' STEEL POST 2' INTO THE GROUND SURROUNDING THE INLET. SPACE POST EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM

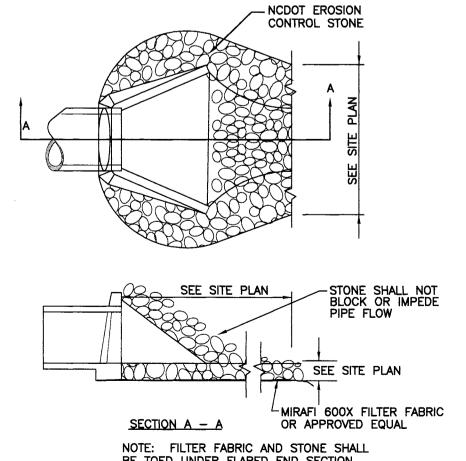
3. SURROUND THE POST WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POST AT THE TOP, MIDDLE AND BOTTOM. PLACING A 2' FLAP OF THE WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS

4. PLACE CLEAN GRAVEL (NCDOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16" TO 18" AROUND THE WIRE. AND SMOOTH TO AN EVEN GRADE. 5. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT, AND ESTABLISH FINAL GRADING ELEVATIONS. 6. COMPACT THE AREA PROPERLY AND STABILIZE IT WITH GROUNDCOVER.

INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT 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. REMOVE SEDIMENT WHEN ACCUMULATION REACHES HALF THE DEPTH OF ROCK. REPLACE STONE WHEN IT NO LONGER DRAINS AS DESIGNED.

NOT TO SCALE

3 HARDWARE CLOTH AND GRAVEL INLET PROTECTION



 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' IN LENGTH.						
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES).						

. GROUND STABILIZATION

2. BUILDING WASTES HANDLING NO PAINT OR LIQUID WASTES IN STREAM OR STORM DRAINS DEDICATED AREA FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO ALTERNATIVE IS AVAILABLE. • EARTHEN MATERIALS STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVE IS AVAILABLE CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS, OR BUFFERS.

3. INSPECTIONS SAME WEEKLY INSPECTION REQUIREMENTS SAME RAIN GUAGE AND INSPECTIONS AFTER 0.5" RAIN EVENT

 INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUISNESS HOURS" RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON

 ELECTRONICALLY AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS

4. SEDIMENT BASINS OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACE UNLESS DRAINAGE AREA IS LESS THAN ONE ACRE USE ONLY DWQ APPROVED FLOCCULANTS

NPDES-SPECIFIC PLAN SHEET NOTES

CITY CODE.

1. THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NC0010000. 2. THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NC0010000 ONLY. 3. THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NC0010000. 4. THE COUNTY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT PART OF THE APPROVED PLANS FOR THE PURPOSES OF ENFORCEMENT ACTION UNDER THE

TEMPORARY SEEDING RECOMMENDATIONS FOR FALL

RATE (lb/acre)

MOUNTAINS - AUG. 15 - DEC. 15 COASTAL PLAIN AND PIEDMONT - AUG. 15 - DEC. 15

SOIL AMENDMENTS: FOLLOW SOIL TEST OR APPLY 2,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 1,000 lb/acre 10-10-10 FERTILIZER.

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.

REPAIR AND REFERTILIZE DAMAGE AREAS IMMEDIATELY. TOP DRESS WITH 50 lb/acre OF NITROGEN IN MARCH, IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 lb/acre KOBE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

TEMPORARY SEEDING RECOMMENDATIONS FOR SUMMER

RATE (lb/acre)

IN THE PIEDMONT AND MOUNTAINS, A SMALL—STEMMED SUDANGRASS MAY BE SUBSTITUTED AT A RATE OF 50 lb/acre.

MOUNTAINS - MAY 15 - AUG. 15 PIEDMONT - MAY 1 - AUG. 15 COASTAL PLAIN - APR. 15 - AUG. 15

SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 750 lb/acre 10-10-10

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.

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

TEMPORARY SEEDING RECOMMENDATIONS FOR LATE WINTER

AND EARLY SPRING SEEDING MIXTURE

(lb/1000 sf) RATE (lb/acre) 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 BEYOND JUNE.

ABOVE 2,500 FEET: FEB. 15 - MAY 15 BELOW 2,500 FEET: FEB. 1 — MAY 1 PIEDMONT -JAN. 1 - MAY 1

COASTAL PLAIN -DEC. 1 - APRIL 15 SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 750 lb/acre 10-10-10

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.

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

PERMANENT SEEDING RECOMMENDATIONS FOR FALL AND **EARLY SPRING**

SEEDING MIXTURE (lb/1000 sf) TALL FESCUE PENSACOLA BAHIAGRASS 50 1.15 SERICEA LESPEDEZA 0.69 KOBE LESPEDEZA

1. FROM SEPT. 1 THRU MAR. 1, USE UNSCARIFIED SERICEA SEED. 2. ON POORLY DRAINED SITES OMIT SERICEA AND INCREASE KOBE TO

3. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA AND INCREASE KOBE TO 40 lbs/acre.

NURSE PLANTS: BETWEEN APR. 15 AND AUG. 15, ADD 10 lbs/acre GERMAN MILLET OR 15 lbs/acre SUDANGRASS. PRIOR TO MAY 1 OR AFTER AUG. 15 ADD 25 lbs/acre RYE (GRAIN).

<u>POSSIBLE</u> FEB.15-APR. 30 FEB 15-MAR, 20 SEPT. 1-SEPT. 30 SEPT. 1-OCT. 31

APPLY LIME AND FERTILIZE ACCORDING TO SOIL TESTS, OR APPLY 3,000-5,000 lbs/acre (68.9-114.8 lbs/1,000 sf) GROUND AGRICULTURAL LIMESTONE (USE THE LOWER RATE ON SANDY SOILS) AND 1,000 lbs/acre (22.9 lbs/1,000 sf) 10-10-10 FERTILIZER.

APPLY 4,000 lb/acre (91.8 lbs/1,000 sf) GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR STRAW BY TACKING WITH ASPHALT. NETTING, OR ROVING OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

IF GROWTH IS LESS THAN FULLY ADEQUATE, REFERTILIZE IN THE SECOND YEAR, ACCORDING TO SOIL TESTS OR TOPDRESS WITH 500 lbs/acre (11.5 lbs/1,000 sf) 10-10-10 FERTILIZER. MOW AS NEEDED WHEN SERICEA IS OMITTED FROM THE MIXTURE. RESEED, FERTILIZE, AND MULCH DAMAGED AREAS IMMEDIATELY.

PERMANENT SEEDING RECOMMENDATIONS FOR LATE SPRING AND EARLY SUMMER

SEEDING MIXTURE

SPECIES RAPENSACOLA BAHIAGRASS (lb/1000 sf)RATE (lb/acre) SERICEA LESPEDEZA 0.69 COMMON BERMUDA GERMAN MILLET

1. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA. 2. USE COMMON BERMUDAGRASS ONLY ON ISOLATED SITES WHERE IT CANNOT BECOME A PEST. BERMUDAGRASS MAY BE REPLACED WITH 5 lbs/gcre

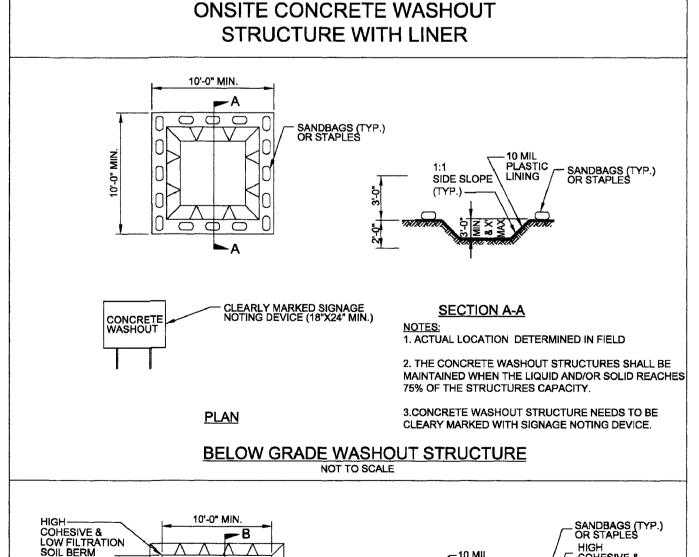
SEEDING DATES:
APRIL 1-JULY 15

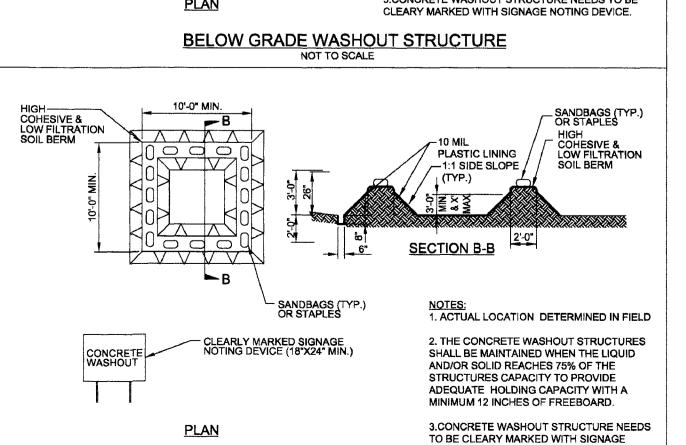
APPLY LIME AND FERTILIZE ACCORDING TO SOIL TESTS, OR APPLY 3,000 lbs/acre (68.9 lbs/1,000 sf) GROUND AGRICULTURAL LIMESTONE AND 500 lbs/gcre (11.5 lbs/1,000 sf) 10-10-10 FERTILIZER.

APPLY 4,000 lb/acre (91.8 lbs/1,000 sf) GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR ROVING OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING

REFERTILIZE THE FOLLOWING APRIL WITH 50 lbs/acre (1.15 lbs/1,000 sf) NITROGEN. REPEAT AS GROWTH REQUIRES. MAY BE MOWED ONLY ONCE A YEAR. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA AND MOW AS OFTEN AS

WITH LINER, NO GRAVEL APPROACH





ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

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

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 SWALE.

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.

6. 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

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.

8. <u>LAND QUALITY REQUIRES:</u>
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 DAYS.

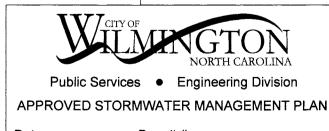
ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, ALL SLOPES STEEPER THAN 3' IORIZONTAL TO 1' VERTICAL (3:1) AND ALL HIGH QUALITY 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 15 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

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

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

11. CONCRETE WASHOUTS SHOULD BE INSPECTED DAILY AND AFTER HEAVY RAINS. DAMAGES SHOULD BE REPAIRED PROMPTLY. IF FILLED TO OVER 75% CAPACITY WITH RAIN WATER IT SHOULD BE VACUUMED OR ALLOWED TO EVAPORATE TO AVOID OVERFLOWS. BEFORE HEAVY RAINS THE CONTAINERS LIQUID LEVEL SHOULD BE LOWERED OR THE CONTAINER COVERED TO AVOID AN OVER FLOW DURING RAIN. WHEN SOLIDS HAVE HARDENED THEY SHOULD BE REMOVED AND RECYCLED.

> For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance



Approved Construction Plan

NCDENR PWSS WATER PERMIT #: WATER CAPACITY DWQ SEWER PERMIT #: SEWER CAPACITY:

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

SEWER SHED # AND PLANT:

DEVELOPER
WEB TRASK C/O A
CAPE FEAR COMN
1051 MILITARY CU
SUITE 200
WILMINGTON, NC
344-1010 (P) 622 4

RRI

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DES.

CKD.

DRWN.

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18128

JST

JPN

NKS

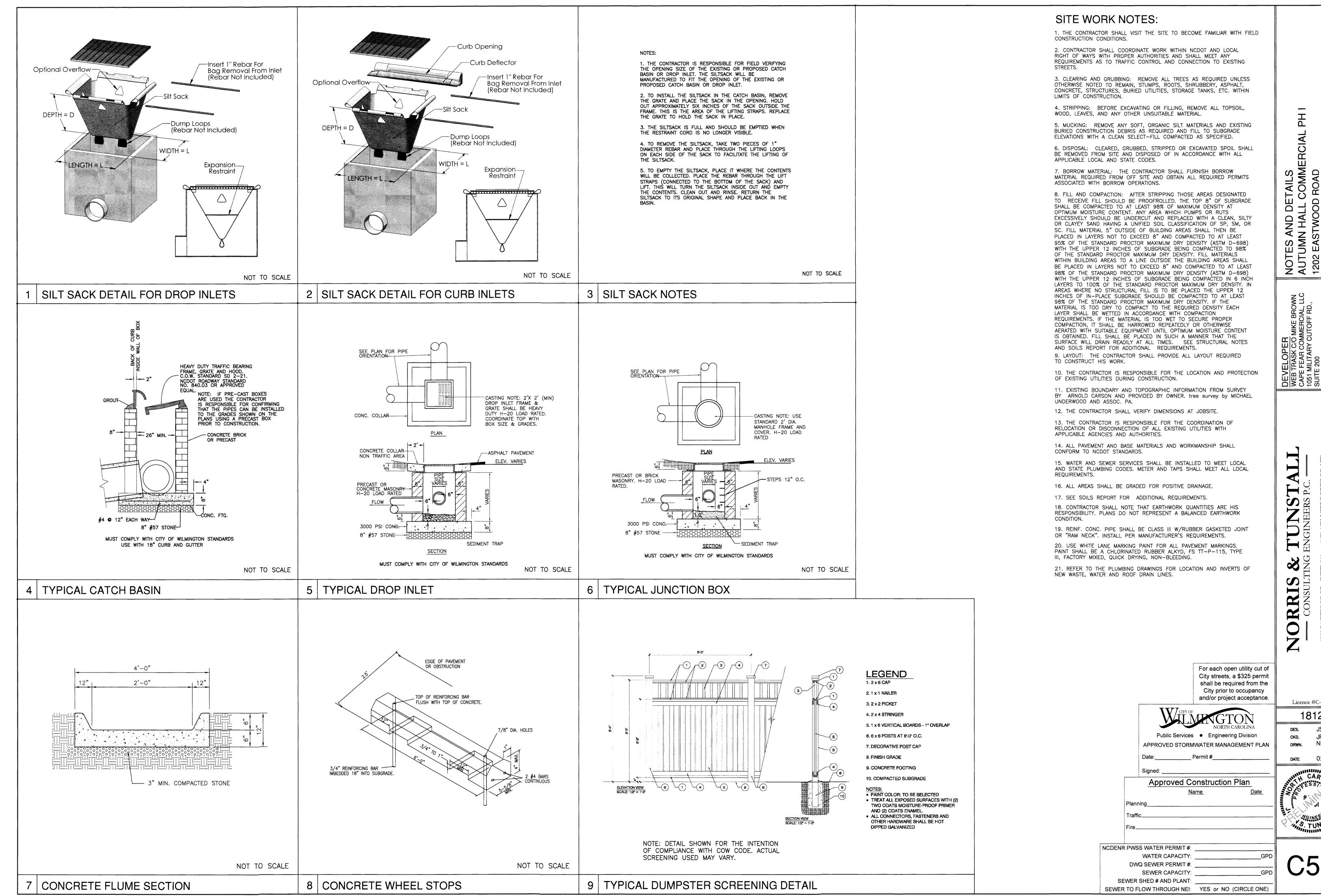
02/05/19

5 ENERGY DISSIPATOR DETAIL

BE TOED UNDER FLARED END SECTION

NOT TO SCALE

LEGEND



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