

R06200-003-031-000

R06200-003-035-000 R06200-003-038-000 R06200-003-039-000 R06200-003-042-000

SKF ILM, LLC

35' MAX.

PROTECTION AREA

± 7.06 AC

R-15 (CLUSTER SUBDIVISION) 6415 GREENVILLE LOOP RD.

WILMINGTON, NC 28409

5929 MARKET ST. WILMINGTON, NC 28405 WATERSHED RESOURCE

21 (3BR) UNITS 1,750 S.F.

**BUILDING SETBACKS:** 

REQUIRED: 25' PERIMETER PROPOSED: 25' REQUIRED: 10' BETWEEN STRUCTURES PROPOSED: 13.5' MIN.

**BUILDING COVERAGE:** PROPOSED COVERAGE 36,750 S.F. ÷ 307,334 S.F. = 12.0%

TOTAL IMPERVIOUS BEFORE & AFTER DEVELOPMENT: o S.F.

AFTER DEVELOPMENT:

36,750 S.F. 7,033 S.F. 23,586 S.F. 6,391 S.F. 73,760 S.F. (24.0%)

OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY APRON 251 S.F.

PARKING REQUIRED:

2.25 SPACES / 3BR UNIT @ 21 UNITS = 48 SPACES (2 H.C.)

52 SPACES (3 H.C.) BICYCLE PARKING REQUIRED: (MIN. 5 PER 25-125 VEHICLE SPACES) 5 BICYCLE RACK SPACES

PARKING LOT INTERIOR LANDSCAPING 12,865 S.F. \* 8% = 1,029 S.F. 1,082 S.F.

OPEN SPACE REQUIREMENT: (40% of site area) 7.06 AC X 0.40 =2.82 AC 3.10 AC

WATER AND SEWER CAPACITY NEEDS:

WATER (CURRENT USE):

WATER (PROPOSED USE): 21 UNITS @ 400 GPD = 8,400 GPD SEWER (CURRENT USE): SEWER (PROPOSED USE:) 21 UNITS @ 360 GPD = 7,560 GPD

1. TREE PROTECTION SIGNAGE SHALL BE ADDED ALONG THE LIMITS OF DISTURBANCE EVERY 100' TO PROTECT TREES ADJACENT TO THE CONSTRUCTION SITE.

PROPERTY LINE

RIGHT OF WAY LINE

Scale: 1"=50

STORMWATER MANAGEMENT PLAN

APPROVED

CITY OF WILMINGTON

ENGINEERING DEPARTMENT

\_\_ PERMIT # \_

DATE\_

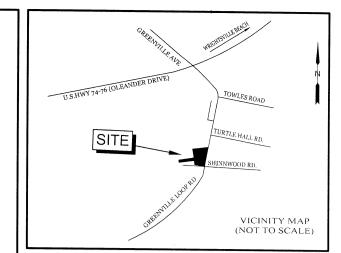
SIGNED

---- CONTOUR

---- WETLAND BUFFER TEMPORARY SILT FENCE

TREE PROTECTION FENCE

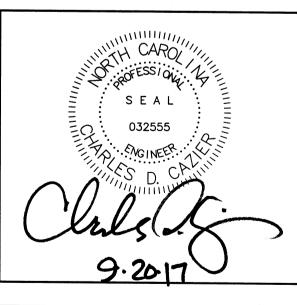
TREES TO BE REMOVED



REVISIONS

PL ERIN INE

TREE

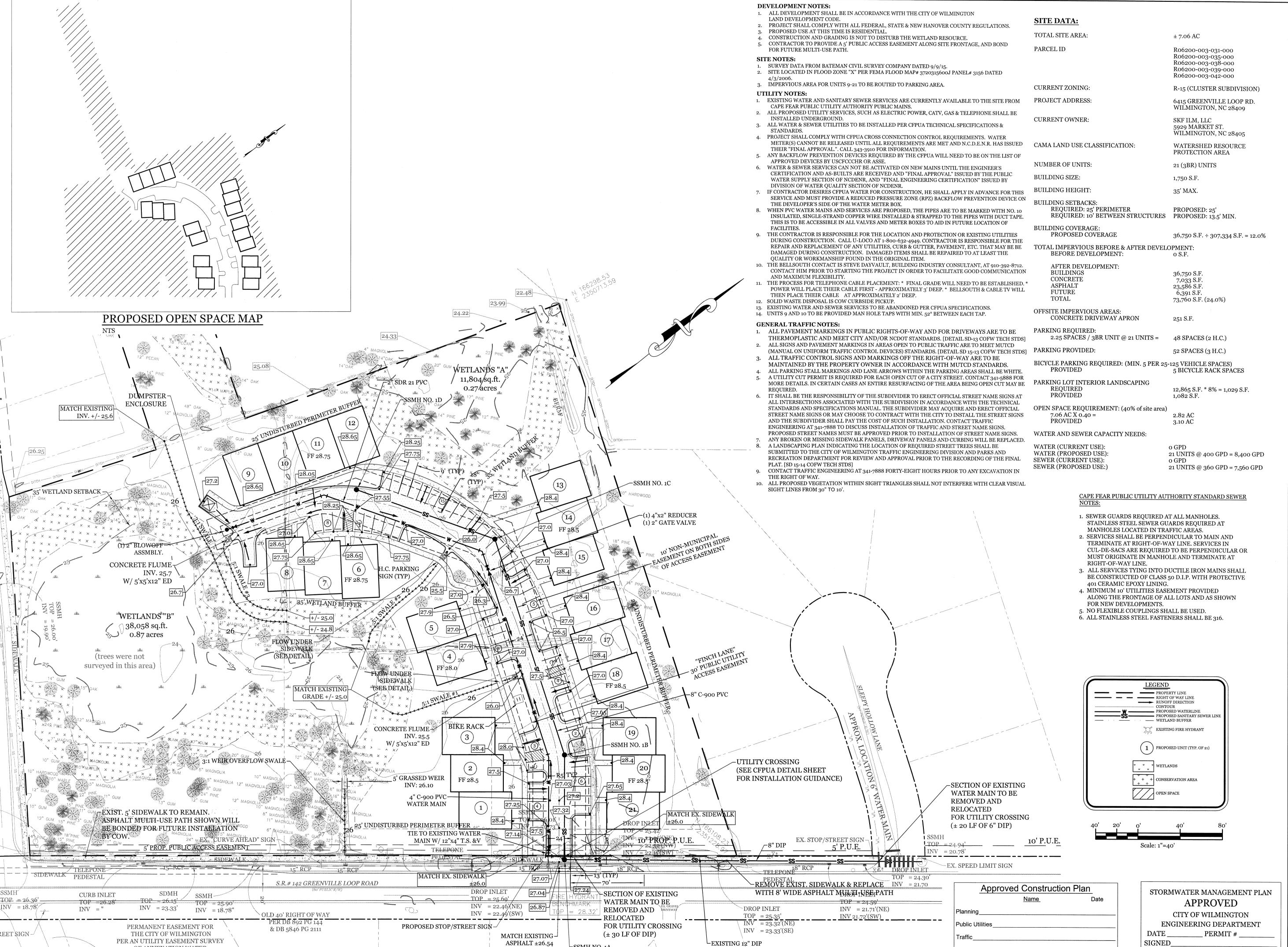


**CLIENT INFORMATION:** 

SKF ILM, LLC 5929 MARKET STREET WILMINGTON, NC 28405 (910) 619-6858

DRAWN:	BPD	SHEET SIZE:	24x36
CHECKED:	CDC	DATE:	9/20/2017
APPROVED:	CDC	SCALE:	1" = 50'
PROJECT NUMB	ER:	2016-039	

DRAWING NUMBER:

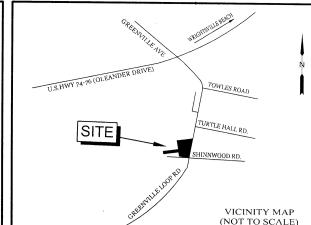


└SSMH NO. 1A

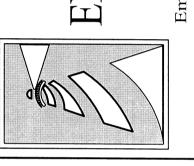
WATER MAIN

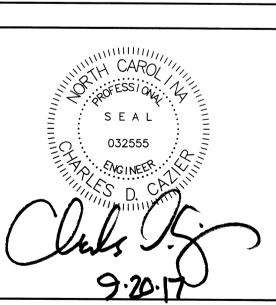
OF ANNEXATION WATER

MAIN PHASE 2 DONE BY McKIM & CREED



REVISIONS





CLIENT INFORMATION:

SKF ILM, LLC 5929 MARKET STREET WILMINGTON, NC 28405 (910) 619-6858

DRAWN:	BPD	SHEET SIZE:	24x36
CHECKED:	CDC	DATE:	9/20/2017
APPROVED:	CDC	SCALE:	1" = 40'
PROJECT NUMBER:		2016-039	

DRAWING NUMBER:

	SYMBOL	GROUND STABILIZATION	ON CRITERIA	NORTH CAROLINA T	EMPORARY	NORTH CAROLINA PI	ERMANENT	CONSTRUCTION SEQUENCE: CONSTRUCTION OF SITE TO START WITH INSTALLATION OF	E CONSTRUCTION ENTRANCE AND SU	T FENCE ALONG ALL LOCATIONS PER	
		SITE AREA STABILIZATION	STABILIZATION TIMEFRAME	GRASSING DE	1	GRASSING DE		PLANS. UPON INSTALLATION OF SILT FENCE, DEMOLITION	N OF EXISTING IMPERVIOUS PAVEMEN	NT AND DRAINAGE STRUCTURES IDENTIFIED	
		DESCRIPTION TIMEFRAME	EXCEPTIONS					TO BE REMOVED MAY BEGIN. ALL SLOPED AREAS SHOULD IN WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF CO			U.S.H
		* Perimeter dikes, ditches and slopes 7 Days	None	SEEDING MIXTURE SPECIES	APPLICATION RATE	SEEDING MIXTURE SPECIES	APPLICATION RATE	DAYS. CONTRACTOR TO FOLLOW NPDES STABILIZATION RE			
,	151	* High Quality	· · ·	LATE WINTER & EARLY SPRING:		FALL & WINTER:		REQUIREMENT TO BE MET.  1. GENERAL CLEARING AND GRADING OF THIS SITE WILL	. NOT BE DONE UNTIL THE TEMPORAL	RY SILT FENCE & CONSTRUCTION ENTRANCE	
	2350	Water (HQW) 7 Days	None	Rye (grain)	100 (lb/acre)	Tall Fescue (blend of two or	200 (lb/acre)	HAS BEEN INSTALLED.			
			If slopes are 10' or less in length and	Annual Iespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains)	50 (lb/acre)	three improved varieties) Rye (grain)	25 (lb/acre)	2. NO CUT SLOPE OR FILL SLOPE SHALL EXCEED A RISE O 3. NO SEDIMENT WILL BE ALLOWED TO EXIT THE SITE. A			
		* Slopes Steeper than 3:1		Omit annual Iespedeza when duration				AFTER CONSTRUCTION.			
	,		allowed	of temporary cover is not to extend beyond Jun	ne	SPRING & SUMMER: Pensacola Bahiagrass	50 (lb/acre)	4. INSTALL PRIMARY EROSION CONTROL MEASURES BEFORE CONSTRUCTION ENTRANCE, SILT FENCE, TREE PROTECTION ENTRANCE, SILT FENCE, SILT FENCE			
	雅7 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	* Slopes 3:1 or flatter 14 Days	7-days for slopes greater than 50 ft. in	SUMMER: German Millet		Sericea Lespedeza	30 (lb/acre)	GENERAL PERMIT CONDITIONS FOR ROAD CROSSINGS	S. SPECIFIC CONSTRUCTION METHODS	S MAY BE REQUIRED ABOVE AND BEYOND	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	* All other areas with	None (except for	German Millet In the Piedmont and Mountains,	40 (lb/acre)	Common Bermudagrass German Millet	10 (lb/acre) 10 (lb/acre)	WHAT IS SPECIFIED IN THIS PLAN. INSTALL ALL SECON POSSIBLE AFTER BEGINNING CONSTRUCTION.	NDARY EROSION CONTROL MEASURE	s, such as inlet protection as soon as	
\	* * * * * * * * * * * * * * * * * * *	slopes flatter than 4:1	perimeters & HQW Zones)	a small-stemmed sundangrass may be	40 (15) acre)	Tall Fescue	50 (lb/acre)	5. PLUG AND IMMEDIATELY FILL DITCHES TO BE FILLED		NA EM DE OFFICIENCE DE CLEANED WATER	
\	BUILDING WASTE	HANDI INC		substituted at a rate of 50 (lb/acre)		SEEDING DATES		6. ALL EROSION CONTROL MEASURES TO BE INSPECTED HALF FULL.	AFTER EACH RAIN. SILT FENCE AND I	NLET PROTECTION TO BE CLEANED WHEN	
	- NO PAINT OR LIOU	DWASTES IN STREAM OR STORM DRAINS FOR DEMOLITION, CONSTRUCTION AND (	S OTHER WASTES MIST	FALL:		SEEDING DATES		7. A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW		11-	
\	BE LOCATED 50' FR	OM STORM DRAINS AND STREAMS UNLES	SS NO REASONABLE	Rye (grain)	120 (lb/acre)	FALL & WINTER:		8. MAINTAIN ALL EROSION CONTROL MEASURES UNTIL F 9. MORE STRINGENT MEASURES MAY BE REQUIRED TO H		AN PROVE TO BE LESS EFFECTIVE.	
	ALTERNATIVES ARE	AL STOCKPILES MUST BE LOCATED 50' FRO	OM STORM DRAINS AND			January - April August - December		10. REMOVE ALL TEMPORARY EROSION CONTROL MEASUR BE WELL ESTABLISHED PRIOR TO PROJECT COMPLETION		CTION. ALL PERMANENT MEASURES SHALL	
	- CONCRETE MATER	NO REASONABLE ALTERNATIVES ARE AVA IALS MUST BE CONTROLLED TO AVOID CO	AILABLE. ONTACT WITH SURFACE	SEEDING DATES					ON.	11-	
	WATERS, WETLANI INSPECTIONS:	OS, OR BUFFERS.		SEEDING DATES		SOIL AMENDMENTS: Apply lime and fertilizer according to soil tests, or		MAINTENANCE PLAN:  1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL  2. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL  3. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL  4. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL	LL BE CHECKED FOR STABILITY AND (	OPERATION FOLLOWING EVERY	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- SAME WEEKLY REQ - SAME RAIN GAUGE	& INSPECTIONS AFTER 0.50" RAIN EVENT	Γ.	LATE WINTER & EARLY SPRING:		ground agricultural limestone (use the lower rate	e on sandy soils) and 1,000 lb/acre	RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS RAINFALL.	THAN ONCE EVERY WEEK AND WITH	IN 24 HOURS OF EVERY HALF INCH	
\ \ \	- INSPECTIONS ARE	ONLY REQUIRED DURING "NORMAL BUSIN RTS MUST BE AVAILABLE ON-SITE DURING	NESS HOURS"	Mountains - Above 2500 ft: Feb. 15-May 15 Piedmont - Jan. 1-May 1		10-10-10 fertilizer.		2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION EN			
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	UNLESS A SITE-SPE	CIFIC EXEMPTION IS APPROVED. KEPT FOR 3 YEARS AND AVAILABLE UPON		Coastal Plain - Dec. 1-Apr. 15		MAINTENANCE:		INCHES OF 2-3 INCH STONE TO MAINTAIN PROPER DEP' SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY RI			
	- ELECTIONICALLY	AVAILABLE RECORDS MAY BE SUBSTITUTE	ED UNDER CERTAIN	SUMMER:		Fertilize according to soil tests or apply 40 lb/ac 40 lb in September and 40 lb in November, from	re nitrogen in January or february, n a 12-4-8, 16-4-8, or similar turf	CONSTRUCTION ENTRANCE OR ROADWAYS.		·	
Se Land	SEDIMENT BASINS	S: RES MUST BE WITHDRAWN FROM BASIN S	CUDEACES UNI ESS	SUMMER: Mountains - May 15-Aug. 15		fertilizer. Avoid fertilizer applications during war	rm weather, as this increases stand	3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOT SEDIMENT TRAP BAFFLES, AND ROCK PIPE INLET PROT			
	DRAINAGH AREA IS	LESS THAN 1 ACRE.	JOINTACED OTTEDED	Piedmont - May 1-Aug. 15 Coastal Plain - Apr. 15-Aug. 15		losses to disease. Reseed, fertilize, and mulch da a height of 2.5-3.5 inches as needed.	amaged areas immediately, mow to	SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WE	HEN THE SEDIMENT POOL NO LONGER	R DRAINS AS DESIGNED. DEBRIS WILL BE	
	- USE ONLY I WQ AP	PROVED FLOCCULANTS.						REMOVED FROM THE ROCK AND HARDWARE CLOTH TO AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOV			
	EXISTING 25			<u>FALL:</u> Mountains - Aug. 15-Dec. 15		SPRING & SUMMER: April 1 - July 15		AFTER EVERY RAIN EVENT.	,		
	PERIMETER			Coastal Plain and Piedmont - Aug. 15-Dec. 30				4. CHECK SEDIMENT BASIN AND BAFFLES WEEKLY & AFTF RESTORE TO ORIGINAL VOLUME WHEN SEDIMENT ACC			
<i>'</i>	WETLANDS "C"			SOIL AMENDMENTS:		SOIL AMENDMENTS: Apply lime and fertilizer according to soil tests, or	or apply 3.000 lb/acre ground	TORN, COLLAPSED, OR INEFFECTIVE.		·	
\ \ \\	32,53 <sup>2</sup> sq.ft.			Follow recommendations of soil tests or apply 2 limestone and 750 lb/acre 10-10-10 fertilizer.	2,000 lb/acre ground agricultural	agriculture limestone and 500 lb/acre 10-10-10	fertilizer.	5. DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIA. DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES		I 1	
	0.75 acres	\		nmestone and 750 lb/acre 10-10-10 fertilizer.		MAINTENANCE:		ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.  6. SEDIMENT WILL BE REMOVED FROM BEHIND THE SED			
<b>'</b> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(topo and trees were not	*		MULCH:	king with acphalt notting one	Refertilize the following april with 50 lb/acre ni		REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. ST	TAKES MUST BE STEEL. STAKE SPACIN	IG WILL BE 6 FEET MAX. WITH THE USE OF	
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			apply 4,000 lb/acre straw. anchor straw by tack mulch anchoring tool. A disk with blades set ne		may be mowed only once a year. Where a neat ay and mow as often as needed.	ppearance is desired, omit sericea	EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESI		I I	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	`\	\		anchoring tool.	-			REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF	F SEDIMENT, NO LONGER DRAINS AS I	DESIGNED OR IS DAMAGED.	
\ \ \ \	silize	dk.		MAINTENANCE:		MULCH: apply 4,000 lb/acre straw. anchor straw by tack	ging with asphalt netting or a	7. ANY PORTION OF WET DETENTION BASINS USED FOR STATE.	S&EC DURING CONSTRUCTION MUST B	SE CLEANED OUT AND RETURNED TO DESIGN	
\ \ \	l x	\		Refertilize if growth is not fully adequate. resee	d, refertilize and mulch immediately	mulch anchoring tool. A disk with blades set nea		STATE.			
	\	\		following erosion or other damage.		anchoring tool.			SITE DATA:		
) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\	. stic.	•		166298,3.59			/s / A	PARCEL ID	R06200-003-031-000	
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	X × × × × × ×	( * x		24.22	122			N. W. C.		R06200-003-038-000 R06200-003-039-000	
VIEW LANE	* * *	× × × ×			* * * * * * * * * * * * * * * * * * *	10' MIN.		50'MIN.		R06200-003-042-000	
	1 /	* * * * * * * * * * * * * * * * * * *	—EXISTING I	24.33			<del>-</del>		PROJECT ADDRESS:	6415 GREENVILLE LOOP RD.	
	\	××××××××××××××××××××××××××××××××××××××	TO BE FILL			<u> </u>	T.O.B.		~	WILMINGTON, NC 28409	<b>•</b>
)	\ \	. × × × × × × 25.08		WETLANDS "A"	× × *   *   *   *	STABILIZE SLOPES PER SEEDING SPECS	<del>-</del> '\	6" MIN	CURRENT OWNER:	SKF ILM, LLC	(
	and the same of th		- TON-		11.112					TOO MADIZET OF	
	mar water	× × × ×	O K X	11,804/sq.ft.	× × ×		TEMPODARY SHIT	2" - 3" COARSE AGGREGATE	iti.	5929 MARKET ST.	Ì
10' UTILITY		××××××××××××××××××××××××××××××××××××××	Olich Dilk *	××× ( 0.27 acres /	× × × × × × × × × × × × × × × × × × ×	10' MIN PLUG	TEMPORARY SILT FENCE (SEE DETAIL)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		WILMINGTON, NC 28405	
10' UTILITY	MATCH EXISTING	×××××	DITCH DITCH X	O.27 acres	× × × × × × × × × × × × × × × × × × ×	10' MIN PLUG   1	TEMPORARY SILT FENCE (SEE DETAIL)		TOTAL SITE AREA:	± 7.06 AC	
10' UTILITY	MATCH EXISTING INV. +/- 25.6	×××××	DITCH DITCH XX	O.27 acres	* * * * * * * * * * * * * * * * * * *	10' MIN PLUG   1	TEMPORARY SILT FENCE (SEE DETAIL)	GEO FABRIC LINER	TOTAL SITE AREA: TOTAL DISTURBED AREA:	WILMINGTON, NC 28405	
10' UTILITY EASEMENT	MATCH EXISTING INV. +/- 25.6	×××××	DITCH 0110H X X X X X X X X X X X X X X X X X X X	O.27 acres	× × × × × × × × × × × × × × × × × × ×	10' MIN PLUG   1	TEMPORARY SILT FENCE (SEE DETAIL)  TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.	TOTAL DISTURBED AREA:	WILMINGTON, NC 28405 ± 7.06 AC ± 2.87 AC	
10' UTILITY	MATCH EXISTING INV. +/- 25.6	×××××	11 (28.65)	O.27 acres	X X X X X X X X X X X X X X X X X X X	10' MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR T	FENCE (SEE DETAIL) TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL		WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT:	
10' UTILITY	MATCH EXISTING INV. +/- 25.6	×××××	11 FF 28.75	O.27 acres	X X X X X X X X X X X X X X X X X X X	10' MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR T	TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT:	
10' UTILITY— EASEMENT	MATCH EXISTING INV. +/- 25.6	×××××	11 (28.65) 10 (28.05)	O.27 acres	X X X X X X X X X X X X X X X X X X X	10' MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR T	TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT:  o S.F.  36,750 S.F.	
10' UTILITY EASEMENT	26.25 DITCH DITCH DITCH	×××××	11 12 12 12 12 12 12 12 12 12 12 12 12 1	O.27 acres	X X X X X X X X X X X X X X X X X X X	10' MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR T	TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT:	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT:  o S.F.  36,750 S.F.  7,033 S.F.	
10' UTILITY EASEMENT	MATCH EXISTING INV. +/- 25.6  26.25  DITCH  DITCH  DITCH  35 WETLAND SETBACK	×××××	110 112 128.65 100 28.05	O.27 acres	X X X X X X X X X X X X X X X X X X X	10' MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR T	TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.	
10' UTILITY EASEMENT	26.25 DITCH DITCH DITCH	×××××	10 11 28.65 10 28.05	O.27 acres	X X X X X X X X X X X X X X X X X X X	10' MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR T	TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT: 0 S.F.  36,750 S.F. 7,033 S.F. 23,586 S.F.	
10' UTILITY	26.25 DITCH DITCH DITCH	×××××	110 112 28.65 110 28.05 28.25 8	O.27 acres	X X X X X X X X X X X X X X X X X X X	10' MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR T	TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS:	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
10' UTILITY—EASEMENT	26.25 DITCH DITCH DITCH	×××××	11 FF 28.75 10 28.05 28.25 8	O.27 acres	X X X X X X X X X X X X X X X X X X X	NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETA  NTS	TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
THS SS S	INV. +/- 25.6  26.25  OITCH  OITCH  OITCH  OITCH  OITCH  X X X X X X X X X X X X X X X X X X X	27.2 3 9 28.65 28.65 27.2 3 1 2 2 2 2 2 2 2 3 1 2 3 1 2 3	11 12 28.65 10 28.65 27.0 28.65 28.65 28.65	O.27 acres	X X X X X X X X X X X X X X X X X X X	10' MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR T	TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS:	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
TO' UTILITY SS	26.25 DITCH DITCH DITCH	26 28.65  JME  27.2  28.65  28.65  27.2  28.65  27.2  28.65	12 12 28.65 10 28.05 28.05 28.05 28.65 28.65	O.27 acres	X X X X X X X X X X X X X X X X X X X	NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETAINS  A  ISTING DITCH	TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS:	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
TO' UTILITY SS	INV. +/- 25.6  26.25  OITCH  OITCH  OITCH  OITCH  OITCH  OITCH  OCONCRETE FLU	27.2 3 9 28.65 28.6 28.6 28.6 27.2 3 9 28.65 27.2 3 9 28.2 3 9 28.2 3 9 28.65 27.2 3 9 28.2 3	110 12 28.65 10 28.65	O.27 acres	X X X X X X X X X X X X X X X X X X X	NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETAINS  A  ISTING DITCH	TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
UTILLITY  SS	INV. +/- 25.6  26.25  OITCH  OITCH  OITCH  OITCH  OITCH  OCONCRETE FLUINV.	27.2 3 9 28.65 28.6 28.6 28.6 27.2 3 9 28.65 27.2 3 9 28.2 3 9 28.2 3 9 28.65 27.2 3 9 28.2 3	110 12 28.65 10 28.65	O.27 acres	X X X X X X X X X X X X X X X X X X X	NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETAINS  A  ISTING DITCH	TOE OF DITCH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
UTILLITY EAS  SS  SS  SS  SS  SS  SS  SHINWOOD ROAD  SHING CONTROLLE CONTROL	INV. +/- 25.6  26.25  OITCH  O	26 27.2 28.65  26 28.65  JME 27.2 29 28.65    28.65   27.0	11 12 28.65 11 28.65 28.	O.27 acres	X X X X X X X X X X X X X X X X X X X	NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETAINS  A  ISTING DITCH	TOE OF DITCH  A NVI HE SS	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  4' MAX.	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
UTILITY  SS	INV. +/- 25.6  26.25  DITCH  DITCH  DITCH  DITCH  OITCH  O	27.2 28.65 28.6 28.6 28.6 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27.0	11 12 28.65 11 28.65 12 28.65	O.27 acres	X X X X X X X X X X X X X X X X X X X	NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETAINS  A  ISTING DITCH	TOE OF DITCH  A NVI HE SS	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  4' MAX.	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
UTILLITY EAST SS S	INV. +/- 25.6  26.25  OITCH OI	27.2 28.65 28.6 28.6 28.6 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27.0	11 12 28.65 11 28.65 12 28.65	O.27 acres	X X X X X X X X X X X X X X X X X X X	NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETAINS  A  ISTING DITCH	TOE OF DITCH  A NVI HE SS	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  4' MAX.	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
TO' UTILITY SS	INV. +/- 25.6  26.25  DITCH  DITCH  DITCH  DITCH  OITCH  O	27.2 28.65 28.6 28.6 28.6 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27.0	11 12 28.65 12 28.65 28.	O.27 acres	X X X X X X X X X X X X X X X X X X X	NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETAINS  A  ISTING DITCH	TOE OF DITCH TO ANY  AIL  SEE PLAN  SIE PLAN  FILTER FAIL	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
UTILLITY  SS	INV. +/- 25.6  26.25  DITCH  OITCH  O	27.2 28.65  28.65  28.65  JME 25.7  ED 26.7  ELIMETS OF  LIMETS OF	11	O.27 acres	X X X X X X X X X X X X X X X X X X X	NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETAINS  A  ISTING DITCH	TOE OF DITCH TO ANY  AIL  SEE PLAN  SEE PLAN  SEE PLAN	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
10' UTILLITY EASEMENT  SS	INV. +/- 25.6  26.25  OITCH  O	27.2 28.65 28.6 28.6 28.6 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27.0	28.05 28.25 27.0 28.65 28.	O.27 acres	X X X X X X X X X X X X X X X X X X X	ISTING DITCH BE FILLED  NOTE: IMMEDIATELY FILL DITCH PRIOR TO	TOE OF DITCH TO ANY  AIL  SEE PLAN  SIE PLAN  FILTER FAIL	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
10' UTILLITY EASEMENT  SS	CONCRETE FLU INV. W/ 5'x5'x12  WETLAND  SS	26 28.65  28.65  28.65  29.22  28.65  20.22  27.0  27.0  26.7  26.7  27.0  26.7  27.0  27.0  27.0  28.65  27.0  27.0  28.65  27.0  27.0  28.65  27.0  27.0  28.65  27.0  27.0  28.65  27.0  27.0  28.65  27.0  27.0  28.65  27.0  27.0  28.65  27.0  27.0  28.65  27.0  27.0  28.65  27.0  28.65  27.0  27.0  28.65  27.0  27.0  28.65  28.65  29.0  27.0  27.0  28.65  27.0  27.0  28.65  27.0  28.65  29.0  27.0  27.0  28.65  29.0  27.0  27.0  28.65  29.0  27.0  28.65  29.0  29.0  20.0  2	28.25 27.0 28.25 (8) 27.75 28.65 (8) 28.65 (8) 28.65 (8) 28.65 (8) (7.75) 28.65 (8) (7.75) 28.65 (8) (7.75) (8) (7.75) (8) (8) (7.75) (8) (8) (8) (8) (8) (9) (9) (9) (1) (1) (1) (1) (1) (1) (1) (1	O.27 acres	X X X X X X X X X X X X X X X X X X X	IO'MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETA NTS  A  ENE NTS	TOE OF DITCH TO ANY  AIL  SEE PLAN  FILTER FAR  RGY DISSIPATOR	MOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE NTS	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
10' UTILITY EASEMENT  SS	CONCRETE FLU INV.  WETLAND  38,058 sq  0.87 acre  10,100  10,1	27.2 28.65  28.65  JME 25.7 ED 26.7 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27	28.05 28.05 28.25 28.65 28	O.27 acres	X X X X X X X X X X X X X X X X X X X	IO' MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETA NTS  A  ESTING DITCH BE FILLED  ENE	TOE OF DITCH TO ANY  AIL  SEE PLAN  FILTER FAR  RGY DISSIPATOR  CONSTRUCTION SPECIAL  CO	MOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE NTS	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)	
O' UTILITY SS	INV. +/- 25.6  26.25  ONTOH  O	27.2 28.65  26 28.6  27.2 28.65  MACHOLIA  9	28.05  28.05  8  27.0  28.65  28.65  28.65  FF 28  FF 28  MATCH EXISTING GRADE +/- 25.0	27.55  27.75  27.75  27.75  27.9  26.5  27.9  26.5  27.9  26.5  27.9  26.5  27.9  26.5  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  27.9  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  27	X X X X X X X X X X X X X X X X X X X	IO'MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETA NTS  A  ENE OLD  EXISTING DITCH TO BE FILLED  EXISTING DITCH TO BE FILLED  LIMITS OF	FENCE (SEE DETAIL  TOE OF DITCH  TO ANY  ALL  SEE PLAN  FILTER FAR  SECTION A - A  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE  THE INLET.  2. DRIVE SEED DETAIL  TOE OF DITCH  TOE OF DITC	MOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE NTS  A' MAX.  A' MAX.	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)  APRON  251 S.F.	
UTILITY EAST SS S	26.25  26.25  OUTCH  35' WETLAND SETBACK  X X X X X X X X X X X X X X X X X X X	26 24 26 27.0 27.0 27.0 28.65  JME 25.7 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27	28.25  28.25  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  A A A A A A A A A A A A A A A A A A A	28.25  27.75  27.75  H.C. PARKING  27.9  27.9  26.3  27.9  26.3  27.9  26.3  27.9  26.3  27.9  26.3  27.9  26.5  27.0  26.7  27.9  26.6  27.9  26.6  27.9  26.7  27.9  2	X X X X X X X X X X X X X X X X X X X	IO' MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETA NTS  A  ENE OLD	FENCE (SEE DETAIL  TOE OF DITCH  TO ANY  ALL  SEE PLAN  SEE PLAN  FILTER FAH  SECTION A - A  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE  THE INLET.  2. DRIVE 5-FOOT STEEL  SURROUNDING THE  THE PERIMETER CO.  3. SURROUND THE POST	MOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A' MAX.  A' MAX.  IN INCLUDING A SHALLOW DEPRESSION APPROACHING ENLET. SPACE POSTS EVENLY AROUND EINLET. SPACE POSTS EVENLY AROUND ET WITH WIRE MESH HARDUM OF 4 FEET APART. TS WITH WITHE MESH HARDWARE CLOTH.  FILTERED	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT:  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)  NCDOT #5 OR # 57 WASHED STONE  19-GAUGE HARDWARE STONE 19-GAUGE HARDWARE S	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)  APRON  251 S.F.  ### Control  ### Cont	
O' UTILITY SS	26.25  26.25  OUTCH  35' WETLAND SETBACK  X X X X X X X X X X X X X X X X X X X	26 24 26 27.0 27.0 27.0 28.65  JME 25.7 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27	28.25  28.25  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  A A A A A A A A A A A A A A A A A A A	27.55  27.75  H.C. PÄRKING 27.9  27.9  27.9  27.9  27.9  27.9  27.0  28.0  27.0  28.0  28.0  28.0  28.0  28.0	X X X X X X X X X X X X X X X X X X X	IO'MIN PLUG W/APPROVED FILL MATERIAL FLOW  NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETA NTS  A  ENE OLD  EXISTING DITCH TO BE FILLED  EXISTING DITCH TO BE FILLED  LIMITS OF	SEE PLAN  SEE PLAN  SECTION A - A  CONSTRUCTION SPECIAL  IN UNIFORMLY GRADE  THE INLET.  DRIVES-FOOT STEEL  SURROUNDING TH  THE PERIMETER OF  SECURE THE WIRE  MIDDLE, AND BOTH  MESH UNDER THE  MIDDLE, AND BOTH  MESH UNDER THE PRIMETER OF  SECURE THE WIRE  MIDDLE, AND BOTH  MESH UNDER THE  MIDDLE, AND BOTH  MESH	MOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A SHALLOW DEPRESSION APPROACHING POSTS 2 FEET INTO THE GROUND EINLET. SPACE POSTS EVENLY AROUND FITHE INLET. SPACE POSTS EVENLY AROUND FITHE INLET. A MAXIMUM OF 4 FEET APART. TIS WITH WIRE MESH HARDWARE CLOTH. MISSH TO THE STEEL POSTS AT THE TOP, TOM. PLACINGA 2-FOOT FLAP OF WIRE GRAVEL FOR ANCHORING IS RECOMMENDED.	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT:  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)  NCDOT #5 OR # 57 WASHED STONE  19-GAUGE HARDWARE STONE 19-GAUGE HARDWARE S	# 7.06 AC  # 2.87 AC  # 2.87 AC  # AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)  APRON  251 S.F.  ## RIGHT OF WAY LINE  RIGHT OF WAY LINE  RIGHT OF WAY LINE  RIGHT OF WAY LINE  WETLAND BUFFER  ### LIMITS OF DISTURBANCE	
UTILITY EAST SS S	CONCRETE FLU  NV W/ 5'x5'x12  WETLAND  SSW  WETLAND  SSS  O.87 acre  SSS  WETLAND  SSS  SSS  O.87 acre  WETLAND  SSS  WETLAND  WETLA	27.2 28.65  28.65  JME 25.7 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27	28.25  28.25  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  A A A A A A A A A A A A A A A A A A A	28.25  27.75  4.26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  28.4	X X X X X X X X X X X X X X X X X X X	ISTING DITCH BE FILLED  EXISTING DITCH TO BE FILLED	FENCE (SEE DETAIL  TOE OF DITCH  TO ANY  A NUMBER OF DITCH  TO ANY  SEE PLAN  SEE PLAN  FILTER FAR  SECTION A - A  PROSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5-FOOT STEEL SURROUNDING THE SURROUNDING THE HILD THE POSSECURE THE WIRE MIDDLE, AND BOT MESH UNDER THE A PLACE CLEAN GRAV  SLOPE WITH A HE  4. PLACE CLEAN GRAV  SLOPE WITH A HE	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A SHALLOW DEPRESSION APPROACHING POSTS 2 FEET INTO THE GROUND EINLET. SPACE POSTS EVENLY AROUND FITHE INLET. AMAXIMUM OF 4 FEET APART. TIS WITH WIRE MESH HARDWARE CLOTH. MESH TO THE STEEL POSTS AT THE TOP. TOM. PLACINGA 2-FOOT FLAP OF WIRE GRAVEL FOR ANCHORING IS RECOMMENDED. LICKLODT #5 OR #57 STONEJ ON A2:: UNENTED THE WATER ANCHORING IS RECOMMENDED. LICKLODT #5 OR #57 STONEJ ON A2:: UNENTED THE WATER AND INSPECT INLETS AT LEAST	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT:  BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)  NCDOT #5 OR # 57 WASHED STONE  ST WEEKLY AND AFTER EACH SIGNIFICANT ( ½	# 7.06 AC  # 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)  APRON  251 S.F.  ### Control  ### Cont	
TO' UTILITY EASEMENT  SS	CONCRETE FLU  NV W/ 5'x5'x12  WETLAND  SSW  WETLAND  SSS  O.87 acre  SSS  WETLAND  SSS  SSS  O.87 acre  WETLAND  SSS  WETLAND  WETLA	27.2 28.65  28.65  JME 25.7 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27	28.25  28.25  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  A A A A A A A A A A A A A A A A A A A	28.25  27.75  4.26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  28.4	X X X X X X X X X X X X X X X X X X X	ISTING DITCH BE FILLED  EXISTING DITCH TO BE FILLED  EXISTING STUB PIPE TO BE REMOVED PRIOR TO	TOE OF DITCH TO ANY  TOE OF DITCH TO ANY  SEE PLAN  SEE PLAN  FILTER FAH  SECTION A - A  PILTER FAH  SECTION A - A  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5-FOOT STEEL SURROUNDING TO SECURE THE WIRE MIDDLE, AND BOT MESH UNDER THE 4. PLACE CLEAN GRAV SLOPE WITH A HE SMOOTH TO AN EV SMOOTH TO EV SMOOTH TO EV SMOOTH TO EV SMOOTH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A' MAX.  A' MAX.  ICATIONS: A SHALLOW DEPRESSION APPROACHING IS FILLED, STACE POSTS EVENLY AROUND F THE INLET, SAME POSTS BY EVENLY AROUND F THE INLET, A MAXIMUM OF 4 FEET APART. TS WITH WIRE MESH HARDWARE CLOTH. MESH TO THE STEEL, POSTS AT THE TOP, TOM. PLACINGA 2-FOOT FLAP OF WIRE GRAVEL FOR ANCHORING IS RECOMMENDED, LI, (NCDOT 45 OR 857 STONE) ON A 2:: GHT OF 16 INCHES AROUND THE WIRE, AND ENGRAPE OF 16 INCHES AROUND THE WIRE, AND ENGRAPER.  MANTENANCE: INSPECT INLETS AT LEAR MANTENANCE: INSPECT INTENANCE: INSPECT INLETS AT LEAR MANTENANCE: INSPECT INTENANCE: INSPECT INTENANCE: INSPECT INTENANCE: INSPECT INTENANCE: INSPECT	TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)  NCDOT #5 OR # 57 WASHED STONE 2  NCDOT #5 OR # 57 WASHED STONE 2	# 7.06 AC # 2.87 AC  & AFTER DEVELOPMENT:	
SS	26.25  26.25  OUTCH  35' WETLAND SETBACK  X X X X X X X X X X X X X X X X X X X	27.2 28.65  28.65  JME 25.7 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27	28.25  28.25  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  A A A A A A A A A A A A A A A A A A A	28.25  27.75  4.26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  28.4	X X X X X X X X X X X X X X X X X X X	ISTING DITCH BE FILLED  PENE  EXISTING DITCH TO BE FILLED  LIMITS OF DISTURBANCE  EXISTING STUB PIPE	TOE OF DITCH TO ANY  TOE OF DITCH TO ANY  SEE PLAN  SEE PLAN  FILTER FAH  SECTION A - A  PILTER FAH  SECTION A - A  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5-FOOT STEEL SURROUNDING TO SECURE THE WIRE MIDDLE, AND BOT MESH UNDER THE 4. PLACE CLEAN GRAV SLOPE WITH A HE SMOOTH TO AN EV SMOOTH TO EV SMOOTH TO EV SMOOTH TO EV SMOOTH	NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A SHALLOW DEPRESSION APPROACHING A SHALLOW DEPRESSION APPROACHING IS EINLE: SPACE POSTS SYMIX AROUND F THE INLET. A MAXIMUM OF 4 FEET APART. THE WITH WIRE MESH HARDWARE CLOTH. MISH TO THE STEEL POSTS AT THE TOP. TOM. PLACINGA 2-FOOT FLAY OF WILE. GRAVEL FOR RAD OF WILE. THE WIRE MESH ADD OF THE RAD OF THE R	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  OFFSITE IMP	### WILMINGTON, NC 28405 ### 7.06 AC ### 2.87 AC  ### AFTER DEVELOPMENT: ### 36,750 S.F. ### 7,033 S.F. ### 23,586 S.F. ### 6,391 S.F. ### 73,760 S.F. (24.0%)  APRON 251 S.F.  ### 251 S.F.    LEGEND	
SHINWOOD ROAD  SHINWOOD ROAD  SHINWOOD ROAD  SHINWOOD ROAD  SHINWOOD ROAD	INV. +/- 25.6  26.25  OTOM OTOM OTOM OTOM OTOM OTOM OTOM OT	26 28.65  JME 25.7  "ED 26.7  LIMITS OF DISTURBANCE (SI (SI ))  LIMITS OF DISTURBANCE (SI )  STURBANCE (SI )  LIMITS OF DISTURBANCE (SI )  LIMITS OF DISTURBANCE (SI )  LIMITS OF DISTURBANCE (SI )	28.05  28.05  28.65  28	28.25  27.75  4.26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  28.4	27.0 8" PINE  28.4 28.4 28.4 28.4 27.0 AK  27.0 8" PINE  27.0 8" PINE  27.0 8" PINE  27.0 18" PINE  28.4 28.4 28.4 28.4 28.4 28.4 28.4 28.4	ISTING DITCH BE FILLED  EXISTING DITCH TO BE FILLED  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH TO BE REMOVED PRIOR TO FILLING EXISTING DITCH	TOE OF DITCH TO ANY  TOE OF DITCH TO ANY  SEE PLAN  SEE PLAN  FILTER FAH  SECTION A - A  PILTER FAH  SECTION A - A  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5-FOOT STEEL SURROUNDING TO SECURE THE WIRE MIDDLE, AND BOT MESH UNDER THE 4. PLACE CLEAN GRAV SLOPE WITH A HE SMOOTH TO AN EV SMOOTH TO EV SMOOTH TO EV SMOOTH TO EV SMOOTH	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A' MAX.  A' MAX.  ICATIONS: A SHALLOW DEPRESSION APPROACHING IS FILLED, STACE POSTS EVENLY AROUND F THE INLET, SAME POSTS BY EVENLY AROUND F THE INLET, A MAXIMUM OF 4 FEET APART. TS WITH WIRE MESH HARDWARE CLOTH. MESH TO THE STEEL, POSTS AT THE TOP, TOM. PLACINGA 2-FOOT FLAP OF WIRE GRAVEL FOR ANCHORING IS RECOMMENDED, LI, (NCDOT 45 OR 857 STONE) ON A 2:: GHT OF 16 INCHES AROUND THE WIRE, AND ENGRAPE OF 16 INCHES AROUND THE WIRE, AND ENGRAPER.  MANTENANCE: INSPECT INLETS AT LEAR MANTENANCE: INSPECT INTENANCE: INSPECT INLETS AT LEAR MANTENANCE: INSPECT INTENANCE: INSPECT INTENANCE: INSPECT INTENANCE: INSPECT INTENANCE: INSPECT	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  OFFSITE IMP	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT:  0 S.F.  36,750 S.F.  7,033 S.F.  23,586 S.F.  6,391 S.F.  73,760 S.F. (24.0%)  APRON  251 S.F.  TEMPORARY SILT FENCE  TEMPORARY SILT	CLIE
SS	26.25  ONCRETE FLU  NV 5'x5'x12  WETLAND  38,058 sq 0.87 acre  (trees were not surveyed in this area)	27.2  28.65  28.65  JME 27.2  28.65  27.0  28.65  LIMITS OF DISTURBANCE  SI  LIMITS OF DISTURBANCE  SI	28.05 27.0 28.65 28.65 27.75 28.65 29.65 2	28.25  27.75  4.26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  28.4	27.0 8" PINE  28.4 28.4 28.4 28.4 27.0 AK  27.0 8" PINE  27.0 8" PINE  27.0 8" PINE  27.0 18" PINE  28.4 28.4 28.4 28.4 28.4 28.4 28.4 28.4	ISTING DITCH BE FILLED  EXISTING DITCH TO BE FILLED  EXISTING STUB PIPE TO BE REMOVED PRIOR TO	TOE OF DITCH TO ANY  TOE OF DITCH TO ANY  SEE PLAN  SEE PLAN  FILTER FAH  SECTION A - A  PILTER FAH  SECTION A - A  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5-FOOT STEEL SURROUNDING TO SECURE THE WIRE MIDDLE, AND BOT MESH UNDER THE 4. PLACE CLEAN GRAV SLOPE WITH A HE SMOOTH TO AN EV SMOOTH TO EV SMOOTH TO EV SMOOTH TO EV SMOOTH	NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A SHALLOW DEPRESSION APPROACHING A SHALLOW DEPRESSION APPROACHING IS EINLE: SPACE POSTS SYMIX AROUND F THE INLET. A MAXIMUM OF 4 FEET APART. THE WITH WIRE MESH HARDWARE CLOTH. MISH TO THE STEEL POSTS AT THE TOP. TOM. PLACINGA 2-FOOT FLAY OF WILE. GRAVEL FOR RAD OF WILE. THE WIRE MESH ADD OF THE RAD OF THE R	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  OFFSITE IMP	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT:  : 0 S.F.  36,750 S.F. 7,033 S.F. 23,586 S.F. 6,391 S.F. 73,760 S.F. (24.0%)  APRON 251 S.F.  SF EIGHT OF WAY LINE RIGHT OF WAY	SKF
FIRE HYDRANT BENCHMARK TOP = 28.32'	CONCRETE FLU  INV. +/- 25.6  35' WETLAND SETBACK	JME 25.7 "ED 26.7 "ED 26.7 "ED 26.7 "S""B" ALK TO REMAIN. USE PATH SHOWN WILL FUTURE INSTALLATION  OAK  27.0  28.65  28.65  LIMETS OF DISTURBANCE  STILL WEIR OVERFLOW SWAIN  WILL FUTURE INSTALLATION	28.05  28.05  28.65  28	28.25  27.75  4.26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  28.4	27.0 8" PINE  28.4 28.4 28.4 28.4 27.0 AK  27.0 8" PINE  27.0 8" PINE  27.0 8" PINE  27.0 18" PINE  28.4 28.4 28.4 28.4 28.4 28.4 28.4 28.4	NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETANTS  ENE  EXISTING DITCH BE FILLED  EXISTING DITCH TO BE FILLED  EXISTING DITCH TO BE FILLED  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  MAYCH EX. SIDEWALK 120  GROUT AND SEAL	TOE OF DITCH TO ANY  SEE PLAN  SEE PLAN  FILTER FAH  SECTION A - A  PILTER FAH  SECTION A - B  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5- POOT STEEL SURROUNDING TH THE PERIMETER C  3. SURROUND THE POOS SECURE THE WIR MIDDLE, AND BOT MESH UNDER THE MIDDLE, AND BOT MESH UNDER THE SMOOTH TO AN E SMOOT	NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A' MAX.  A' MAX.  A' MAX.  ICATIONS: A SHALLOW DEPRESSION APPROACHING POSTS 2 FEET INTO THE GROUND FITHE INLET. 3 HAZIMUM OF 4 FEET APART. TRYTH WIRE POSTS AVERIAN ARE CLOTH. MESH TO THE STEEL POSTS AT THE TOP, TOM. PLACINGA 2-POOT FLAP OF WIRE GRAVEL FOR ANCHORING IS RECOMMENDED. LICINCID 1-95 (4 SY 5TONES) OF A 2:: GHT OF 6 INCHES AROUND THE WIRE, AND GHT OF 6 INCHES AROUND THE WIRE, AND TINC DRAINAGE AREA HAS BERS STABILIZED. TINC DRAINAGE AREA HAS BERS STABILIZED. HARDWARE CLOTH AND GRAVEL INLET  NTS	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  OFFSITE IMP	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT:  : 0 S.F.  36,750 S.F. 7,033 S.F. 23,586 S.F. 6,391 S.F. 73,760 S.F. (24.0%)  APRON  251 S.F.  TEMPORARY SILT FENCE  TEMPORARY SILT F	SKF 1 5929
SHINWOOD ROAD  SHINWOOD ROAD  SHINWOOD ROAD  SHINWOOD ROAD  SHOW THE CHARK  SH	CONCRETE FLU  INV. +/- 25.6  35 WETLAND SETBACK	JME  25.7  "ED  26.7  "ED  26.7  "ED  27.0  27.0  27.0  27.0  27.0  28.65  LIMETS OF  DISTURBANCE  SI  LIMETS OF  DISTURBANCE  LIMETS OF  DISTURBANCE  SI  LIMETS OF  DISTURBANCE  SI  LIMETS OF  DISTURBANCE  SI  LIMETS OF  LIMETS OF  SI  LIMETS OF  SI  LIMETS OF  LIMETS OF  SI  LIMETS OF  LIMETS OF  SI  LIMETS OF  LIMET	28.05  28.05  28.65  28	28.25  27.75  4.26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  28.4	27.0 8" PINE  28.4 28.4 28.4 28.4 27.0 AK  27.0 8" PINE  27.0 8" PINE  27.0 8" PINE  27.0 18" PINE  28.4 28.4 28.4 28.4 28.4 28.4 28.4 28.4	ISTING DITCH BE FILLED  NOTE: IMMEDIATELY FILL DITCH PRIOR TO RESTRING DITCH BE FILLED  EXISTING DITCH TO BE FILLED  EXISTING DITCH TO BE FILLED  LIMITS OF DISTURBANCE  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  EXISTING DITCH TO BE REMOVED PRIOR TO FILLING EXISTING DITCH	FENCE (SEE DETAIL  TOE OF DITCH  TO ANY  A VI A RESERVE OF THE PERMITTER FARE  SECTION A - A  SEE PLAN  FILTER FARE  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET. 2. DRIVE 5-FOOT STEEL SURROUNDING THE PERMITTER OF SECURE THE WIRE MIDDLE, AND BOTH MESH UNDER THE SMOOTH TO AN ESTADOR  5. ONCE THE CONTRIB REMOVE ACCUMU 6. COMPACT THE AREA  SSMH TOB - COMPACT THE AREA  SSMH TOB - COMPACT THE AREA	NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A' MAX.  4' MAX.  A' MAX.  A' MAX.  ICATIONS: A SHALLOW DEPRESSION APPROACHING POSTS 2 FEET INTO THE GROUND E INLET. SPACE POSTS EVENLY AROUND THE WIRE MESS HORD ENTRANCE INSPECT INLETS AT LEAS- INSPECT INLETS AT LEAS- INSPECT INLETS AT LEAS- INCH OR GREATER) RAIR ANY DEBRIS OR OTHER SUBSEQUENT RAINS. THE WIRE MESS HORN RED BOLD HARDWARE CLOTH AND GRAVEL INLET  NTS  10' P.U.E.	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  OFFSITE IMP	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT:  O S.F.  36,750 S.F. 7,033 S.F. 23,586 S.F. 6,391 S.F. 73,760 S.F. (24.0%)  APRON  251 S.F.  SF TEMPORARY SILT FENCE  TEMPORARY  CONSERVATION ENTRANCE  INLET PROTECTION  WETLANDS  + + + + CONSERVATION AREA  DITCH PLUG	SKF
FIRE HYDRANT BENCHMARK TOP = 28.32'	CONCRETE FLU INV.  WETLAND  38,058 sq 0.87 acre  (trees were not surveyed in this area)  EXIST. 5' SIDEWA ASPHALT MULTI BE BONDED FOR BY COW.  5' PR	JME  227.2  28.65  JME  226  227.0  28.65  JME  227.0  227.0  227.0  227.0  23.1  ED  26.7  S"B"  AND  AND  AND  AND  AND  AND  AND  AN	28.05 27.0 28.65 2	28.25  27.75  4 26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.9  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  26.7  27.0  28.4	27.0 FF 28.5 PINE  28.4 PINE  27.0 FF 28.5 PINE  27.0 FF 28.5 PINE  28.4 PINE  27.5 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  27.6 PINE  27.6 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE  28.4 PINE  27.6 PINE	ISTING DITCH BE FILLED  EXISTING DITCH BE FILLED  EXISTING DITCH TO BE FILLED  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  MAY CHEX. SIDEWALK LEVEL OF THE PLUG DETA  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  MAY CHEX. SIDEWALK LEVEL OF THE PLUG  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  MAY CHEX. SIDEWALK LEVEL OF THE PLUG  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH	FENCE (SEE DETAIL  TOE OF DITCH  TO ANY  A IL  SEE PLAN  SEE PLAN  FILTER FAH  SECTION A - A  FILTER FAH  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5-FOOT STEEL SURROUNDING THE PORT THE PRIMETER OF SECURE THE WIRE MIDDLE, AND BOT MESH UNDER THE 4. PILCE CLEAN GRAV SLOPE WITH A HE SMOOTH TO AN E SMOOT	NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A' MAX.  4' MAX.  A' MAX.  A' MAX.  ICATIONS: A SHALLOW DEPRESSION APPROACHING POSTS 2 FEET INTO THE GROUND E INLET. SPACE POSTS EVENLY AROUND THE WIRE MESS HORD ENTRANCE INSPECT INLETS AT LEAS- INSPECT INLETS AT LEAS- INSPECT INLETS AT LEAS- INCH OR GREATER) RAIR ANY DEBRIS OR OTHER SUBSEQUENT RAINS. THE WIRE MESS HORN RED BOLD HARDWARE CLOTH AND GRAVEL INLET  NTS  10' P.U.E.	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  NCDOT #5 OR # 57 WASHED STONE  NCDOT #5 OR # 57 WASHED STONE  OBJECTS TO PROVIDE ADEQUATE FLOW FOR AKE CARE NOT TO DAMAGE OR UNDERCUT OF SEDIMENT REMOVAL. REPLACE STONE AS  PROTECTION	## ## ## ## ## ## ## ## ## ## ## ## ##	SKF 1 5929 WILI
FIRE HYDRANT BENCHMARK TOP = 28.32'	CONCRETE FLU  INV. +/- 25.6  26.25  ONCRETE FLU  INV. W/ 5'x5'x12  WETLAND  38,058 sq 0.87 acre  (trees were not surveyed in this area)  EXIST. 5' SIDEWA  ASPHALT MULTI  BE BONDED FOR BY COW.  5' PR	JME  25.7  "ED  26.7  "ED  26.7  "ED  27.0  27.0  27.0  27.0  27.0  28.65  LIMETS OF  DISTURBANCE  SI  LIMETS OF  DISTURBANCE  LIMETS OF  DISTURBANCE  SI  LIMETS OF  DISTURBANCE  SI  LIMETS OF  DISTURBANCE  SI  LIMETS OF  LIMETS OF  SI  LIMETS OF  SI  LIMETS OF  LIMETS OF  SI  LIMETS OF  LIMETS OF  SI  LIMETS OF  LIMET	28.05 27.0 28.65 2	28.25 27.75 27.75 27.75 27.75 27.75 27.9	27.0 FF 28.5 PINE  27.0 FF 28.5 PINE  27.0 S PINE  28.4 PINE  27.5 PINE  28.4 PINE  28.4 PINE  27.6 PINE  27.6 PINE  28.4 PINE  27.6	ISTING DITCH BE FILLED  EXISTING DITCH BE FILLED  EXISTING DITCH TO BE FILLED  LIMITS OF DISTURBANCE  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  MAY CHEX. SIDEWALK 1246.0  GROUT AND SEAL INLET BOX EX. STOP/ST AFTER REMOVING PIPE  TO BE REMOVING PIPE  THE PONE  THE PONE	TOE OF DITCH  TO ANY  AIL  TOE OF DITCH  TO ANY  SEE PLAN  SEE PLAN  FILTER FAH  SECTION A - A  SEE PLAN  FILTER FAH  SECTION A - A  FILTER FAH  SECTION A -	NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A' MAX.  4' MAX.  A' MAX.  ICATIONS: ASHALLOW DEPRESSION APPROACHING ENIER SPACE SCORE FEMILY ARGUND E INIER: SPACE SCORE FEMILY ARGUND E INIER: SPACE SCORE FEMILY ARGUND EN WITH WITH WISH MANUAR CLOPH: MESH TO THE STEEL POSITS AT THE TOP. TOWN PLACINGA 2-FOOT FLOP OF WIRE GRAVEL FOR ANCHORING IS RECOMMENDED. LICKIOTO'S 69 AS 55 TONES DO X 2: GRIT OF 6 INCHES ARGUND THE WITE, AND ENTRO GRADE. HARDWARE CLOTH AND GRAVEL INLET  HARDWARE CLOTH AND GRAVEL INLET  10' P.U.E.  10' P.U.E.	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  NCDOT #5 OR # 57 WASHED STONE  NCDOT #5 OR # 57 WASHED STONE  OBJECTS TO PROVIDE ADEQUATE FLOW FOR AKE CARE NOT TO DAMAGE OR UNDERCUT OF SEDIMENT REMOVAL. REPLACE STONE AS  PROTECTION	## ## ## ## ## ## ## ## ## ## ## ## ##	SKF 1 5929 WILI
FIRE HYDRANT BENCHMARK TOP = 28.32'	INV. +/- 25.6  26.25  26.25  CONCRETE FLU INV. W/ 5'x5'x12  WETLAND 38,058 sq 0.87 acre (trees were not surveyed in this area)  ***  ***  ***  ***  ***  ***  ***	JME 25.7  "ED 26.7  "ED 26.7  "INTERPRETATION EX CONTROL OF PUBLIC ACCESS FASEMENT  LIMETS OF DISTURBANCE  STILL OF THE CONTROL OF THE CONTRO	28.05 27.0 28.65 2	27.55  27.75  H.C. PARKING  13 PRINT  27.55  14 27.9  27.9  26.5  5 27.0  27.9  28.4  27.0  28.4  27.0  28.4  27.0  28.4  27.0  28.4  27.0  28.4  27.0  28.4  27.0  28.4  27.0  28.4  27.0  28.4  27.0  28.4  27.0  28.4  27.0  28.4  29.5  20.0  27.25  30.0  27.25  27.25  30.0  27.25	27.0] FF 28.5 27.0 28.4 27.0] TO AMAGNOLIA 28.4 28.4 29.0] TO AMAGNOLIA 28.4 2	ISTING DITCH BE FILLED  EXISTING DITCH BE FILLED  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  MAY CH EX. SIDEWALK  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  MAY CH EX. SIDEWALK  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  FILLED  FILLED  FILLED  REP PEDESTAL R	TOE OF DITCH  TOE OF DITCH  TO ANY  AIL  TOE OF DITCH  TO ANY  SEE PLAN  SEE PLAN  SEETION A - A  FILTER FAH  SECTION A - A  FILTER FAH  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE  THE INLET.  2. DRIVE 5-POOT STEEL  SURROUND THE POOT  MESH UNDER THE  4. PLACE CLEAN GRAV  SLOPE WITH A HE  SMOOTH TO AN EN  SONCE THE CONTRIL  SONCE THE CONTRIL  MIDDLE, AND BOT  MESH UNDER THE  4. PLACE CLEAN GRAV  SLOPE WITH A HE  SMOOTH TO AN EN  SONCE THE CONTRIL  TOP = 24.30  ALK & REPLACE  INV = 21.70	NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A' MAX.  4' MAX.  A' MAX.  ICATIONS: ASHALLOW DEPRESSION APPROACHING ENIER SPACE SCORE FEMILY ARGUND E INIER: SPACE SCORE FEMILY ARGUND E INIER: SPACE SCORE FEMILY ARGUND EN WITH WITH WISH MANUAR CLOPH: MESH TO THE STEEL POSITS AT THE TOP. TOWN PLACINGA 2-FOOT FLOP OF WIRE GRAVEL FOR ANCHORING IS RECOMMENDED. LICKIOTO'S 69 AS 55 TONES DO X 2: GRIT OF 6 INCHES ARGUND THE WITE, AND ENTRO GRADE. HARDWARE CLOTH AND GRAVEL INLET  HARDWARE CLOTH AND GRAVEL INLET  10' P.U.E.  10' P.U.E.	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  NCDOT #5 OR # 57 WASHED STONE  NCDOT #5 OR # 57 WASHED STONE  OBJECTS TO PROVIDE ADEQUATE FLOW FOR AKE CARE NOT TO DAMAGE OR UNDERCUT OF SEDIMENT REMOVAL. REPLACE STONE AS  PROTECTION	## ## ## ## ## ## ## ## ## ## ## ## ##	SKF : 5929 WILL (910)
FIRE HYDRANT BENCHMARK TOP = 28.32'  TELEMONE PEDES TAL	INV. +/- 25.6  26.25  35 WETLAND SETBACK  36 WETLAND  WETLAND  38,058 sq 0.87 acre  (trees were not surveyed in this area)  EXIST. 5' SIDEWALA  ASPHALT MULTI  BE BONDED FOR BY COW.  5' PR  SIDEWALK PEDESTAL  SSMH  CURB INLET  CUP 26.26'  TOP 26.28'  TOP 26.2	JME 227.2 28.65  JME 25.7 20 28.65  JME 27.0 28.65  JME 27.0 28.65  JME 26.7 28.65  JME	28.05  28.65  28	0.27 acres  27.55  27.75  27.75  27.75  27.79  26.5  27.9  26.5  27.9  26.5  27.9  26.5  27.9  26.7  27.9  26.7  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  27.9  28.4  29.9  20.0  27.9  28.4  27.9  28.4  29.9  20.0  27.9  28.4  29.9  20.0  27.9  28.4  29.9  20.0  2	DITCH  12" PIL 13	ISTING DITCH BE FILLED  EXISTING DITCH BE FILLED  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH OBER REMOVED PRIOR TO FILLING EXISTING DITCH TO BE REMOVED PRIOR TO FILLING EXISTING DITCH TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  MAY CH EX. SIDEWALK LEAD.  GROUT AND SEAL INLET BOX EX. STOP/ST AFTER REMOVING PIPE  TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  REMOVE EXIST. SIDEW WITH 8' WIDE ASPHALI	TOE OF DITCH TOE OF DITCH TO ANY  AIL  SEE PLAN  SEE PLAN  FILTER FAH  SECTION A - A  FILTER FAH  SINGUIND THE POST SURROUNDING TO THE POST MINDER THE 4. PLACE CLEAN GRAV SLOPE WITH A HE SMOOTH TO AN E SMH TOP = 24.30  THURST INSE PATH TOP = 24.30  THURST INSE PATH TOP = 24.59	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NIS  ICATIONS:  ANALIAOW DEPRESSION APPROACHING POSITS a FEET INTO THE GROUND E INLET. SPACE POSITS EVENLY AROUND E INLET. SPACE SON AS EVENLY AROUND GRAVEL FOR ANACHOUNG IS RECOMMERDED. ALCINCOTO # 5.0 for \$75 TONO B. ON A 21. GRAVEL FOR ANACHOUNG IS RECOMMERDED. ALCINCOTO # 5.0 for \$75 TONO B. ON A 21. GRAVEL FOR ANACHOUNG IS RECOMMERDED. ALCINCOTO # 5.0 for \$75 TONO B. ON A 21. GRAVEL FOR ANACHOUNG IS RECOMMERDED. HARDWARE CLOTH AND GRAVEL INLET.  **INSPECTIVE TRAINS. TO THE WIRE AND THE WIRE MISSING UNITARIES.  **INSPECTIVE TRAINS. TO THE WIRE AND	TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS)  NCDOT #5 OR # 57 WASHED STONE NAME OF TO DAMAGE OR UNDERCUT IG SEDIMENT REMOVAL. REPLACE STONE AS  PROTECTION	## ## ## ## ## ## ## ## ## ## ## ## ##	SKF 1 5929 WILI (910)
FIRE HYDRANT BENCHMARK TOP = 28.32'  TELEMONE PEDES TAL	INV. +/- 25.6  26.25  35 WETLAND SETBACK  36 WETLAND  WETLAND  38,058 sq 0.87 acre  (trees were not surveyed in this area)  EXIST. 5' SIDEWALA  ASPHALT MULTI  BE BONDED FOR BY COW.  5' PR  SIDEWALK PEDESTAL  SSMH  CURB INLET  CUP 26.26'  TOP 26.28'  TOP 26.2	JUME 227.2 28.65  226  227.2 28.65  JUME 227.0 2	28.05  28.05  28.65  28.65  28.65  28.65  EFF 28  WATCH EXISTING GRADE +/- 25.0  MATCH EXISTING GRADE +/- 25.0  EBDETAIL  EBDETAIL  TABILIZE  DIATELY  VITH SOD  15" RCP  S.R.# 142 GREENVILLE LOOP RO  (50 FUBLIC R/W)  R  EXIST. COI	27.75  H.C. PARKING 21GN (TYP)  27.99  26.5  27.99  26.5  27.90  26.3  27.90  26.3  27.90  26.3  27.90  26.3  27.90  26.3  27.90  26.3  27.90  26.3  27.90  26.3  27.90  26.3  27.90  26.3  27.90  26.3  27.90  26.3  27.90  28.4  27.90  28.4  27.90  28.4  27.90  28.4  27.90  28.4  27.90  28.4  27.90  28.4  27.90  28.4  27.90  28.4  28.4  29.8  29.8  20.8	DITCH  12" PIL 13	ISTING DITCH BE FILLED  SET ING DITCH BE FILLED  EXISTING DITCH BE FILLED  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  WAS CHEX SIDEWALK SET OF DISTURBANCE  TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  WAS CHEX SIDEWALK SET OF DISTURBANCE  OR OUT AND SEAL INLET BOX EX. STOP/ST AFTER REMOVING PIPE  TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  WAS CHEX SIDEWALK SET OF DESTAL REMOVE EXIST. SIDEW WITH 8 WIDE ASPHALT  DROP INLET TOP = 25.35	SEE PLAN  SEE PLAN  SECTION A - A  FILTER FAH  SECTION A - A  FILTER FAH  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE  THE INLET.  2. DROP INLET.  TOP = 24.30°  TOP = 24.30°  TMUMETINEEIPATH  TOP = 24.30°  TMUMETINEEIPATH	CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  ICATIONS.  A SHALLOW DEPRESSION APPROACHING  POSTS 2 FEET INTO THE GROUND E INLET. SPACE POSTS RYENIY AROUND CHARGA 2-POST 1-AP OF WIRE GRAVEL FOR ANCHORING IS RECOMMENDED. LUNCOOT 6 9, 06 95 STONE) ON ARE: AND CHICATOR ARE AND SERVEN IN THE WIRE MARKING TO A PET ADART. TIN OR DRAINGAR AREA HAS BEEN TABBILIZED. ATED SEDIMENT, AND ESTABLISH PINAL GRADING ELEVATIONS. PROPERLY AND STABLISH PINAL GRADING ELEVATIONS. PROPERLY AND STABLISH PINAL GRADING ELEVATIONS. PROPERLY AND STABLISH PINAL GRADING ELEVATIONS. THE WIRE MESH DURIN NEEDED.  HARDWARE CLOTH AND GRAVEL INLET.  10' P.U.E.  Approved Cor	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  NCDOT #5 OR # 57 WASHED STONE N.  NCDOT #5 OR # 57 WASHED STONE N.  PROTECTION  INSTRUCTION  TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  ST WEEKLY AND AFTER EACH SIGNIFICANT ( 1/4) NFALL EVENT. CLEAR THE MESH WIRE OF OBJECTS TO PROVIDE ADEQUATE FLOW FOR AKE CARE NOT TO DAMAGE OR UNDERCUT GG SEDIMENT REMOVAL. REPLACE STONE AS  PROTECTION  INSTRUCTION Plan	### ### ### ##########################	SKF 1 5929 WILL (910)
FIRE HYDRANT BENCHMARK TOP = 28.32	CONCRETE FLU INV.  WETLAND  38,058 sq 0.87 acre  (trees were not surveyed in this area)  EXIST. 5' SIDEWALK  ASPHALT MULTI BE BONDED FOR BY COW.  FPR  SIDEWALK  PEDESTAL  CURB INLET  COP = 26.36'  TOP = 26.36'  TOP = 26.38'  T	JME  25.7  "ED  26.7  "ED  27.0  28.65  JME  26.7  "ED  27.0  28.65  LIMKIS OF  DISTURBANCE  LIMKIS OF  DISTURBANCE  STATE AND	28.05  28.65  28	27.55  27.75  H.C. PARKING SIGN (TYP)  27.55  27.9  28.4  27.0  27.9  28.4  27.0  27	27.0] ** PINE	ISTING DITCH PLUG DETA  NOTE: IMMEDIATELY FILL DITCH PRIOR TO RAIN EVENT  DITCH PLUG DETA  NTS  ENE  EXISTING DITCH BE FILLED  EXISTING STUB PIPE TO BE FILLED  EXISTING STUB PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  INTERPOLITY OF THE PRIOR TO FILLING EXISTING DITCH  MAY CHEX SIDEWALK  26,0  GROUT AND SEAL INLET BOX EX. STOP/ST AFTER REMOVING PIPE  TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  WITH 8' WIDE ASPHALI	TOE OF DITCH TOE OF DITCH TO ANY  SEE PLAN  SEE PLAN  SECTION A - A  FILTER FAH  SECTION A - A  FILTER FAH  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5-POOT STEEL SURROUNDING THE POOT THE PERIMETER CO.  3. SUCROUNDING THE POOT MEDIAN HE WIRE MIDDLE, AND BOT M	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NIS  ICATIONS:  ANALIAOW DEPRESSION APPROACHING POSITS a FEET INTO THE GROUND E INLET. SPACE POSITS EVENLY AROUND E INLET. SPACE SON AS EVENLY AROUND GRAVEL FOR ANACHOUNG IS RECOMMERDED. ALCINCOTO # 5.0 for \$75 TONO B. ON A 21. GRAVEL FOR ANACHOUNG IS RECOMMERDED. ALCINCOTO # 5.0 for \$75 TONO B. ON A 21. GRAVEL FOR ANACHOUNG IS RECOMMERDED. ALCINCOTO # 5.0 for \$75 TONO B. ON A 21. GRAVEL FOR ANACHOUNG IS RECOMMERDED. HARDWARE CLOTH AND GRAVEL INLET.  **INSPECTIVE TRAINS. TO THE WIRE AND THE WIRE MISSING UNITARIES.  **INSPECTIVE TRAINS. TO THE WIRE AND	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  NCDOT #5 OR # 57 WASHED STONE N.  NCDOT #5 OR # 57 WASHED STONE N.  PROTECTION  INSTRUCTION  TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  ST WEEKLY AND AFTER EACH SIGNIFICANT ( 1/4) NFALL EVENT. CLEAR THE MESH WIRE OF OBJECTS TO PROVIDE ADEQUATE FLOW FOR AKE CARE NOT TO DAMAGE OR UNDERCUT GG SEDIMENT REMOVAL. REPLACE STONE AS  PROTECTION  INSTRUCTION Plan	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT: : 0 S.F.  36,750 S.F. 7,033 S.F. 23,586 S.F. 6,391 S.F. 73,760 S.F. (24.0%)  APRON 251 S.F.  SF TEMPORARY SILT FENCE  WELLAND BUFFER LIMITS OF DISTURBANCE TEMPORARY SILT FENCE  TEMPORARY SILT FENCE  INLET PROTECTION  WETLANDS  # + + + + + CONSERVATION AREA  DITCH PLUG  SCAle: 1"=50'  STORMWATER MANAGEMENT PLAN  APPROVED	SKF 1 5929 WILL (910) DRAW
FIRE HYDRANT BENCHMARK TOP = 28.32'  TELEMONE PEDES TAL	INV. +/- 25.6  26.25  CONCRETE FLU INV. W/ 5 x5 x12  Concrete FLU INV. W/ 5 x5 x12  WETLAND 38,058 sq 0.87 acre (trees were not surveyed in this area)  EXIST. 5' SIDEWAL ASPHALT MULTIL BE BONDED FOR BY COW.  FRE SIDEWALK PEDESTAL  SIDEWALK P	JME 25.7 "ED 26  S"B" .ft. 26  S"B" .ft. 28  SERVING STATE AND SHARE SERVING STATE AND SHARE SERVING STATE AND SHARE SERVING STATE SERVING SER	28.05  28.05  28.65  28	0.27 acres  0.27 a	27.0] ** PINE	ISTING DITCH BE FILLED  SET PLUE  EXISTING DITCH BE FILLED  EXISTING STUB PIPE TO BE FILLED  LIMITS OF DISTURBANCE  EXISTING DITCH TO BE REMOVED PRIOR TO FILLING EXISTING DITCH INTERPORT  AFTER REMOVING PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  EXISTING EXISTING DITCH  WAS CHEEN SIDEWALK EACH OF THE PERSON BY THE	TOE OF DITCH TOE OF DITCH TO ANY  SEE PLAN  SEE PLAN  SECTION A - A  FILTER FAH  SECTION A - A  FILTER FAH  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5-POOT STEEL SURROUNDING THE POOT THE PERIMETER CO.  3. SUCROUNDING THE POOT MEDIAN HE WIRE MIDDLE, AND BOT M	CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  ICATIONS.  A SHALLOW DEPRESSION APPROACHING  POSTS 2 FEET INTO THE GROUND E INLET. SPACE POSTS RYENIY AROUND CHARGA 2-POST 1-AP OF WIRE GRAVEL FOR ANCHORING IS RECOMMENDED. LUNCOOT 6 9, 06 95 STONE) ON ARE: AND CHICATOR ARE AND SERVEN IN THE WIRE MARKING TO A PET ADART. TIN OR DRAINGAR AREA HAS BEEN TABBILIZED. ATED SEDIMENT, AND ESTABLISH PINAL GRADING ELEVATIONS. PROPERLY AND STABLISH PINAL GRADING ELEVATIONS. PROPERLY AND STABLISH PINAL GRADING ELEVATIONS. PROPERLY AND STABLISH PINAL GRADING ELEVATIONS. THE WIRE MESH DURIN NEEDED.  HARDWARE CLOTH AND GRAVEL INLET.  10' P.U.E.  Approved Cor	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  NCDOT #5 OR # 57 WASHED STONE N.  NCDOT #5 OR # 57 WASHED STONE N.  PROTECTION  INSTRUCTION  TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  ST WEEKLY AND AFTER EACH SIGNIFICANT ( 1/4) NFALL EVENT. CLEAR THE MESH WIRE OF OBJECTS TO PROVIDE ADEQUATE FLOW FOR AKE CARE NOT TO DAMAGE OR UNDERCUT GG SEDIMENT REMOVAL. REPLACE STONE AS  PROTECTION  INSTRUCTION Plan	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT: : 0 S.F.  36,750 S.F. 7,033 S.F. 23,586 S.F. 6,391 S.F. 73,760 S.F. (24.0%)  APRON 251 S.F.  SF TEMPORARY SILT FENCE  TEMPORARY CONSTRUCTION ENTRANCE  INLET PROTECTION  wetlands  # + + + + + CONSERVATION AREA  DITCH PLUG  STORMWATER MANAGEMENT PLAN  APPROVED  CITY OF WILMINGTON	SKF 1 5929 WILL (910)
FIRE HYDRANT BENCHMARK TOP = 28.32'  TELEMONE PEDESTAL	EET SIGN  INV. +/- 25.6  INV. +/- 25.6  Onton  Onto	JME 27.2  26  27.2  28.65  JME 27.7  ED. 26.7  S'B", ft. 26  SOURCE ALLIMETS OF DISTURBANCE  DISTURBANCE  LIMETS OF SITURDANCE  ST. ST. WEIR OVERFLOW SWAIN  EX "CURVE AHEAD" SIGN  OP. PUBLIC ACCESS FASEMENT  OP. PUBLIC ACCESS FASEMENT  SDMH SMH  26.15  TOP 25.90  SDMH SSMH  26.15  TOP 25.90  SDMH SSMH  26.15  TOP 25.90  SOURCE AND ST.	28.05  28.05  28.65  28	0.27 acres  0.27 a	DITCH    28.4    6°   PINE   28.4    6°   PINE	ISTING DITCH BE FILLED  SET PLUE  EXISTING DITCH BE FILLED  EXISTING STUB PIPE TO BE FILLED  LIMITS OF DISTURBANCE  EXISTING DITCH TO BE REMOVED PRIOR TO FILLING EXISTING DITCH INTERPORT  AFTER REMOVING PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  EXISTING EXISTING DITCH  WAS CHEEN SIDEWALK EACH OF THE PERSON BY THE	TOE OF DITCH TOE OF DITCH TO ANY  SEE PLAN  SEE PLAN  SECTION A - A  FILTER FAH  SECTION A - A  FILTER FAH  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5-POOT STEEL SURROUNDING THE POOT THE PERIMETER CO.  3. SUCROUNDING THE POOT MEDIAN HE WIRE MIDDLE, AND BOT M	GEO FABRIC LINER  NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  ICATIONS: NTS  ICATIONS: A SHALLOW DEPRESSION APPROACHING POSTS 2 FEET INTO THE GROUDD E MILES, SEAVES FOR SE EVIDEL A FEET APART. TO WITH JUNE MESH HARDWARE CLOTH. MISH TO THE STEEL POSTS AT THE TOP, GRAVEL FOR ANCHORING IS RECOMMENDED. LICCOTOR 5 OR 95 STONES ON APER A APART. THE WITH WITH GREAT BASE BEES TABILIZED. GRAVEL FOR ANCHORING IS RECOMMENDED. LICCOTOR 5 OR 95 STONES ON THE TOP, TING DEALINGS AROUDD THE WIRE, AND EN GRADE. FROPERLY AND STABILIZED IT WITH GROUDDOCOVER  HARDWARE CLOTH AND GRAVEL INLET  NTS  Approved Cor	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT:  AFTER DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  ST WEEKLY AND AFTER EACH SIGNIFICANT ( ) NCDOT #5 OR # 57 WASHED STONE NOBICITS TO PROVIDE ADEQUATE FLOW FOR AKE CARE NOT TO DAMAGE OR UNDERCUT IG SEDIMENT REMOVAL REPLACE STONE AS  PROTECTION  INSTRUCTION  Date  Date	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT: : 0 S.F.  36,750 S.F. 7,033 S.F. 23,586 S.F. 6,391 S.F. 73,760 S.F. (24.0%)  APRON 251 S.F.  TEMPORARY SILT FENCE  TEMPORARY SILT FENCE  TEMPORARY SILT FENCE  TEMPORARY SILT FENCE  TEMPORARY CONSTRUCTION INLET PROTECTION  WETLANDS  * + + + + + + + + + + + + + + + + + +	SKF 1 5929 WILL (910) DRAWI CHECK APPRO
FIRE HYDRANT BENCHMARK TOP = 28.32	EET SIGN  INV. +/- 25.6  INV. +/- 25.6  ONTON  ONTO	27.2  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  28.65  29.22  20.	28.05  28.05  28.65  28	0.27 acres  0.27 a	DITCH    28.4    6°   PINE   28.4    6°   PINE	ISTING DITCH BE FILLED  SET PLUE  EXISTING DITCH BE FILLED  EXISTING STUB PIPE TO BE FILLED  LIMITS OF DISTURBANCE  EXISTING DITCH TO BE REMOVED PRIOR TO FILLING EXISTING DITCH INTERPORT  AFTER REMOVING PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  EXISTING EXISTING DITCH  WAS CHEEN SIDEWALK EACH OF THE PERSON BY THE	TOE OF DITCH TOE OF DITCH TO ANY  SEE PLAN  SEE PLAN  SECTION A - A  FILTER FAH  SECTION A - A  FILTER FAH  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5-POOT STEEL SURROUNDING THE POOT THE PERIMETER CO.  3. SUCROUNDING THE POOT MEDIAN HE WIRE MIDDLE, AND BOT M	NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A' MAX.  A'	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  ST WEEKLY AND AFTER EACH SIGNIFICANT ( 1/4 MESH OPENINGS)  NCDOT #5 OR # 57 WASHED STONE  NAME CARE NOT TO DAMAGE OR UNDERCUT ASE CARE NOT TO DAMAGE OR UNDERCUT ASE CARE NOT TO DAMAGE OR UNDERCUT SESTIMENT REMOVAL REPLACE STONE AS  PROTECTION  Instruction Plan  Date  Date	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT: :	SKF 1 5929 WILL (910)  DRAW CHECK APPRO PROJEC
FIRE HYDRANT BENCHMARK TOP = 28.32'  TELEMONE PEDESTAL	EET SIGN  INV. +/- 25.6  INV. +/- 25.6  ONTON  ONTO	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	28.05  28.05  28.65  28	0.27 acres  0.27 a	DITCH    28.4    6°   PINE   28.4    6°   PINE	ISTING DITCH BE FILLED  SET PLUE  EXISTING DITCH BE FILLED  EXISTING STUB PIPE TO BE FILLED  LIMITS OF DISTURBANCE  EXISTING DITCH TO BE REMOVED PRIOR TO FILLING EXISTING DITCH INTERPORT  AFTER REMOVING PIPE TO BE REMOVED PRIOR TO FILLING EXISTING DITCH  EXISTING EXISTING DITCH  WAS CHEEN SIDEWALK EACH OF THE PERSON BY THE	TOE OF DITCH TOE OF DITCH TO ANY  SEE PLAN  SEE PLAN  SECTION A - A  FILTER FAH  SECTION A - A  FILTER FAH  CONSTRUCTION SPECIAL  1. UNIFORMLY GRADE THE INLET.  2. DRIVE 5-POOT STEEL SURROUNDING THE POOT THE PERIMETER CO.  3. SUCROUNDING THE POOT MEDIAN HE WIRE MIDDLE, AND BOT M	NOTE: CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF ENTRANCE. WHICHEVER IS GREATER.  TEMPORARY GRAVEL CONSTRUCTION ENTRANCE  NTS  A' MAX.  A'	TOTAL DISTURBED AREA:  TOTAL IMPERVIOUS BEFORE BEFORE DEVELOPMENT: BUILDINGS CONCRETE ASPHALT FUTURE TOTAL  OFFSITE IMPERVIOUS AREAS: CONCRETE DRIVEWAY A  ST WEEKLY AND AFTER EACH SIGNIFICANT ( 1/4 MESH OPENINGS)  NCDOT #5 OR # 57 WASHED STONE  NAME CARE NOT TO DAMAGE OR UNDERCUT ASE CARE NOT TO DAMAGE OR UNDERCUT ASE CARE NOT TO DAMAGE OR UNDERCUT SESTIMENT REMOVAL REPLACE STONE AS  PROTECTION  Instruction Plan  Date  Date	WILMINGTON, NC 28405  ± 7.06 AC  ± 2.87 AC  & AFTER DEVELOPMENT: : 0 S.F.  36,750 S.F. 7,033 S.F. 23,586 S.F. 6,391 S.F. 73,760 S.F. (24.0%)  APRON 251 S.F.  TEMPORARY SILT FENCE  TEMPORARY SILT FENCE  TEMPORARY SILT FENCE  TEMPORARY SILT FENCE  TEMPORARY CONSTRUCTION INLET PROTECTION  WETLANDS  * + + + + + + + + + + + + + + + + + +	SKF 1 5929 WILL (910) DRAW

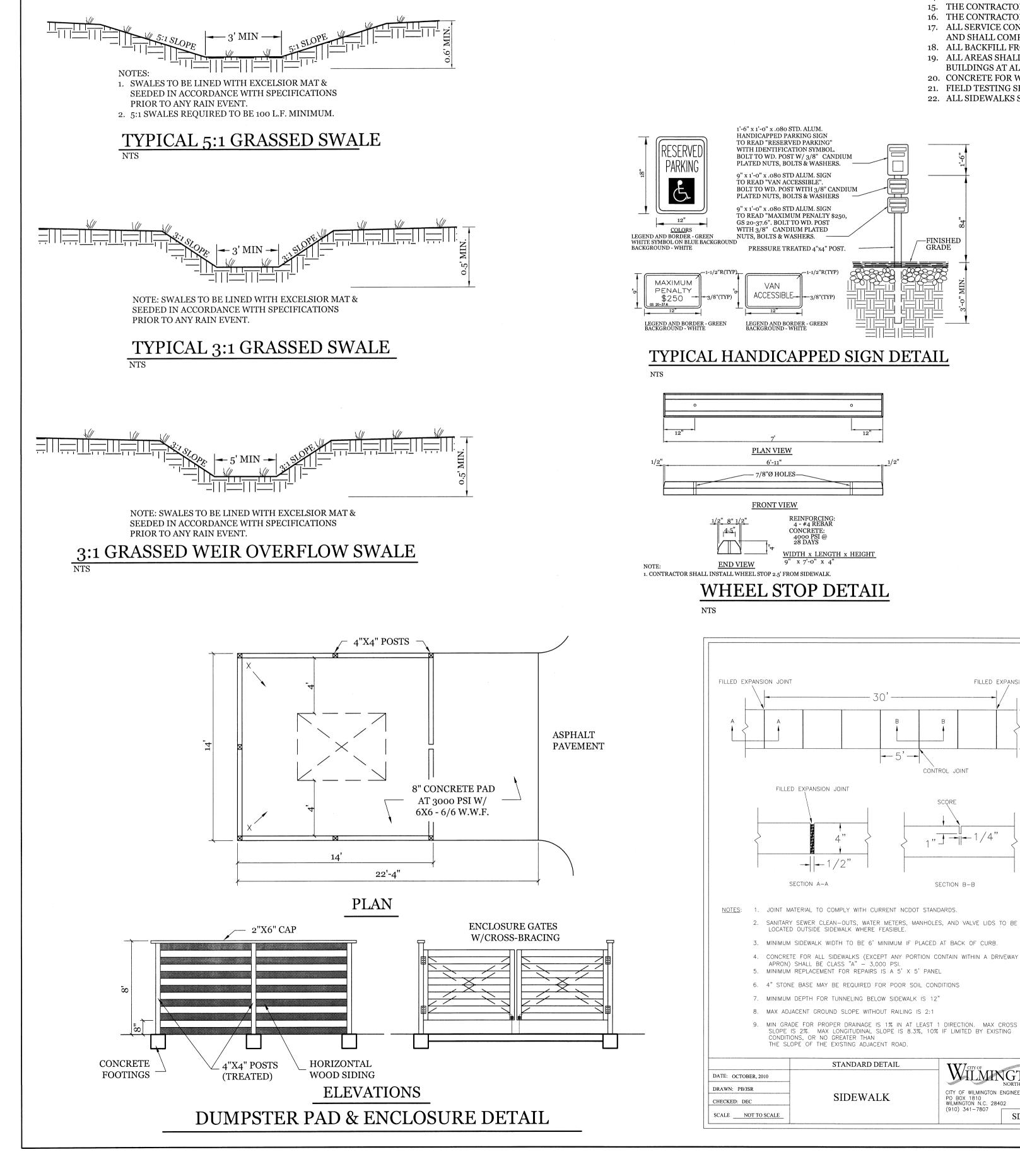
SEDIMENTATION & CONTROL PL

CLIENT INFORMATION:

SKF ILM, LLC 5929 MARKET STREET WILMINGTON, NC 28405 (910) 619-6858

BPD SHEET SIZE: CHECKED: CDC DATE: APPROVED: CDC SCALE: PROJECT NUMBER: 2016-039

DRAWING NUMBER:



### **SITE WORK NOTES:** 1. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS BOTH ON AND ADJACENT TO THE SITE CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS OF CONSTRUCTION UNLESS OTHERWISE DESIGNATED TO REMAIN.

GRUBBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITHIN LIMITS OF CONSTRUCTION.

MUCKING: CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY SOFT AREAS.

DISPOSAL: CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY. FILL AND COMPACTION SHOULD COMPLY WITH GEOTECHNICAL RECOMMENDATIONS.

THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED EARTHWORK CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT AND FILL QUANTITIES AND COMPLETE INSTALLATION TO SPECIFIED GRADES.

8. THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE PROPERLY PERMITTED FACILITY AS REQUIRED.

OF ALL EXISTING UTILITIES AT ALL CROSSINGS PRIOR TO COMMENCING TRENCH EXCAVATION. IF ACTUAL CLEARANCES ARE LESS THAN INDICATED ON PLAN, THE CONTRACTOR SHALL CONTACT THE DESIGN

10. NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NC ONE-CALL" AT LEAST 48 HOURS BEFORE COMMENCING CONSTRUCTION 11. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. BEFORE COMMENCING ANY EXCAVATIONS IN OR ALONG ROADWAYS OR

12. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE PERSONNEL

13. CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVE & CURB BOXES TO FINAL GRADE UPON COMPLETION OF ALL CONSTRUCTION. ANY BOXES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

14. EXISTING SURVEYING PERFORMED BY ARNOLD W. CARSON, PLS L-3267

REINFORCING 4 - #4 REBAR

SECTION A-A

STANDARD DETAIL

**SIDEWALK** 

1/4"

PO BOX 1810 WILMINGTON N.C. 28402

SECTION B-B

15. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE. FURTHERMORE THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES OR QUESTIONS TO THE ENGINEER PRIOR TO INSTALLATION.

16. THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK UNLESS OTHERWISE DIRECTED BY OWNER. 17. ALL SERVICE CONNECTIONS SHALL BE INSTALLED TO MEET ALL LOCAL, STATE, AND CFPUA CODES. METERS, TAPS, MATERIALS, WORKMANSHIP AND ALL FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR

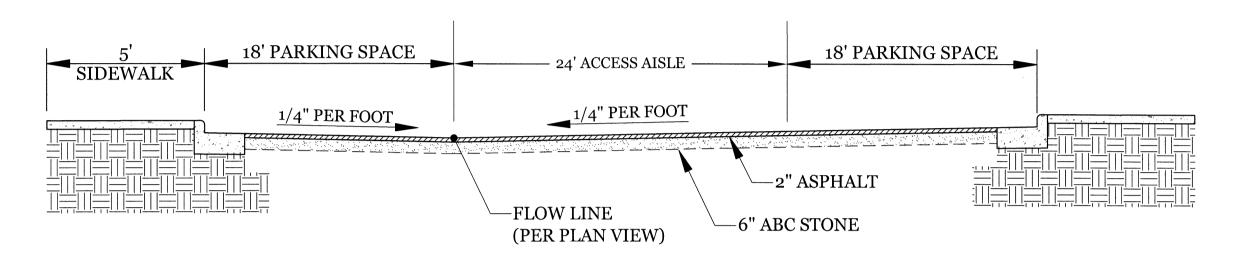
AND SHALL COMPLY WITH ALL REQUIREMENTS. 18. ALL BACKFILL FROM UTILITY INSTALLATION MUST BE COMPACTED OR AMENDED TO PROVIDE TRAFFIC BEARING CAPACITY. GEOTECHNICAL ENGINEER TO BE CONSULTED AT CONTRACTORS COST AS NECESSARY.

19. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AT ALL TIMES.

20. CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS - AIR ENTRAINED.

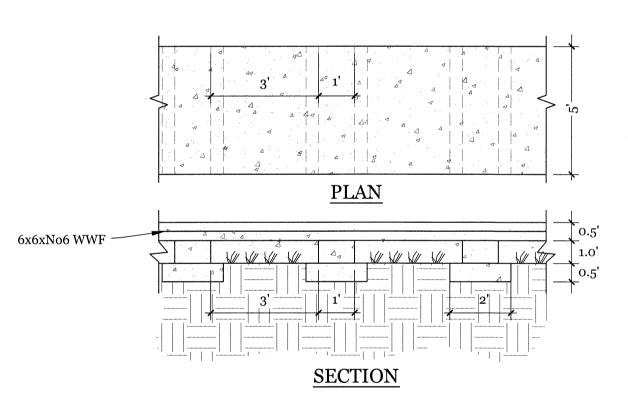
21. FIELD TESTING SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY PAID FOR BY THE OWNER. FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID FOR BY THE CONTRACTOR.

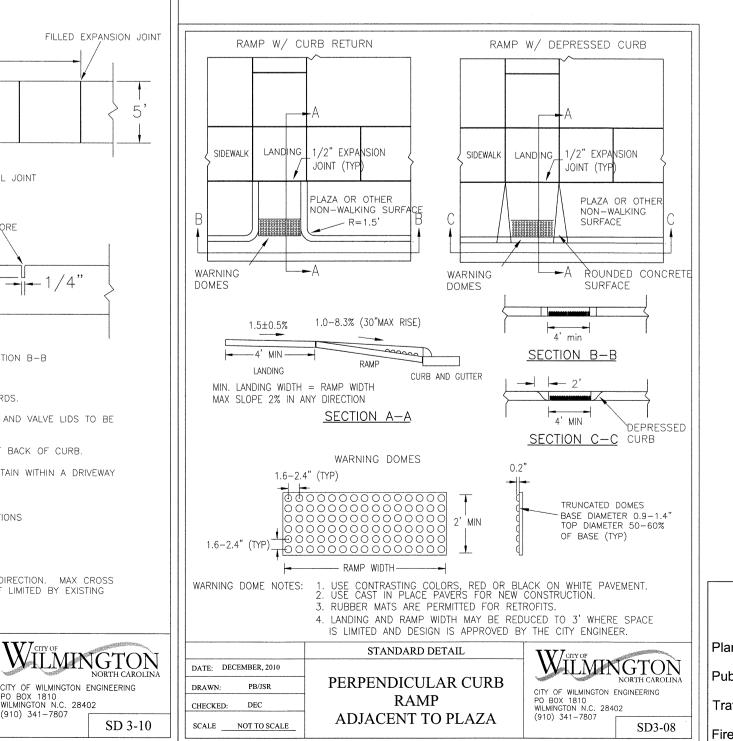
22. ALL SIDEWALKS SHALL BE FREE OF CRACKS, BREAKS, OR ANY OTHER DEFECT PRIOR TO RECEIVING A CERTIFICATE OF OCCUPANCY.

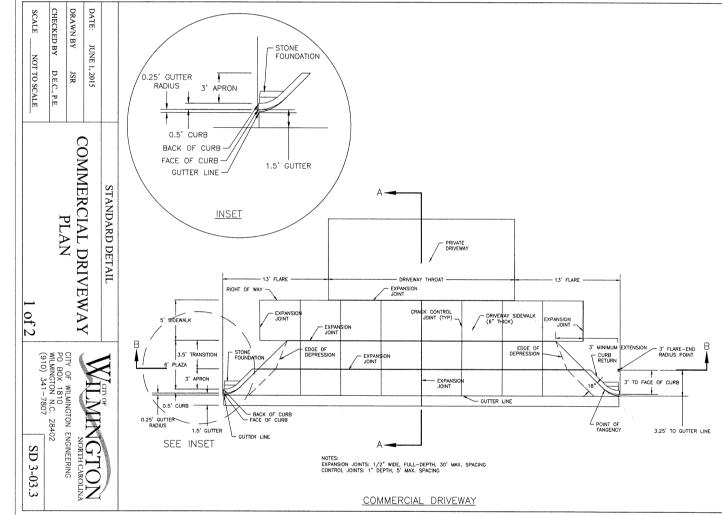


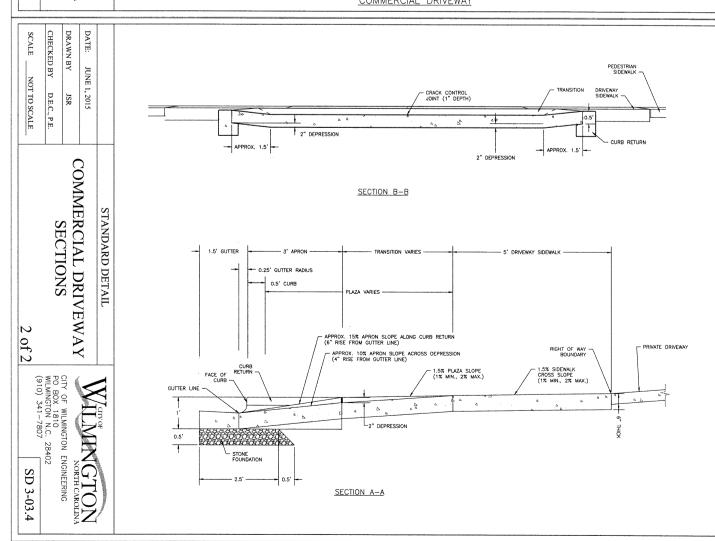
# ACCESS DRIVE CROSS SECTION (SUPERELEVATED)

Approved Construction Plan









STORMWATER MANAGEMENT PLAN

APPROVED

CITY OF WILMINGTON

ENGINEERING DEPARTMENT

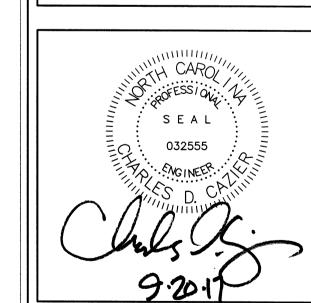
DATE\_

SIGNED

SKF ILM, LLC 5929 MARKET STREET

DRAWN: BPD | SHEET SIZE: CHECKED: CDC DATE: APPROVED: CDC | SCALE: PROJECT NUMBER: 2016-039

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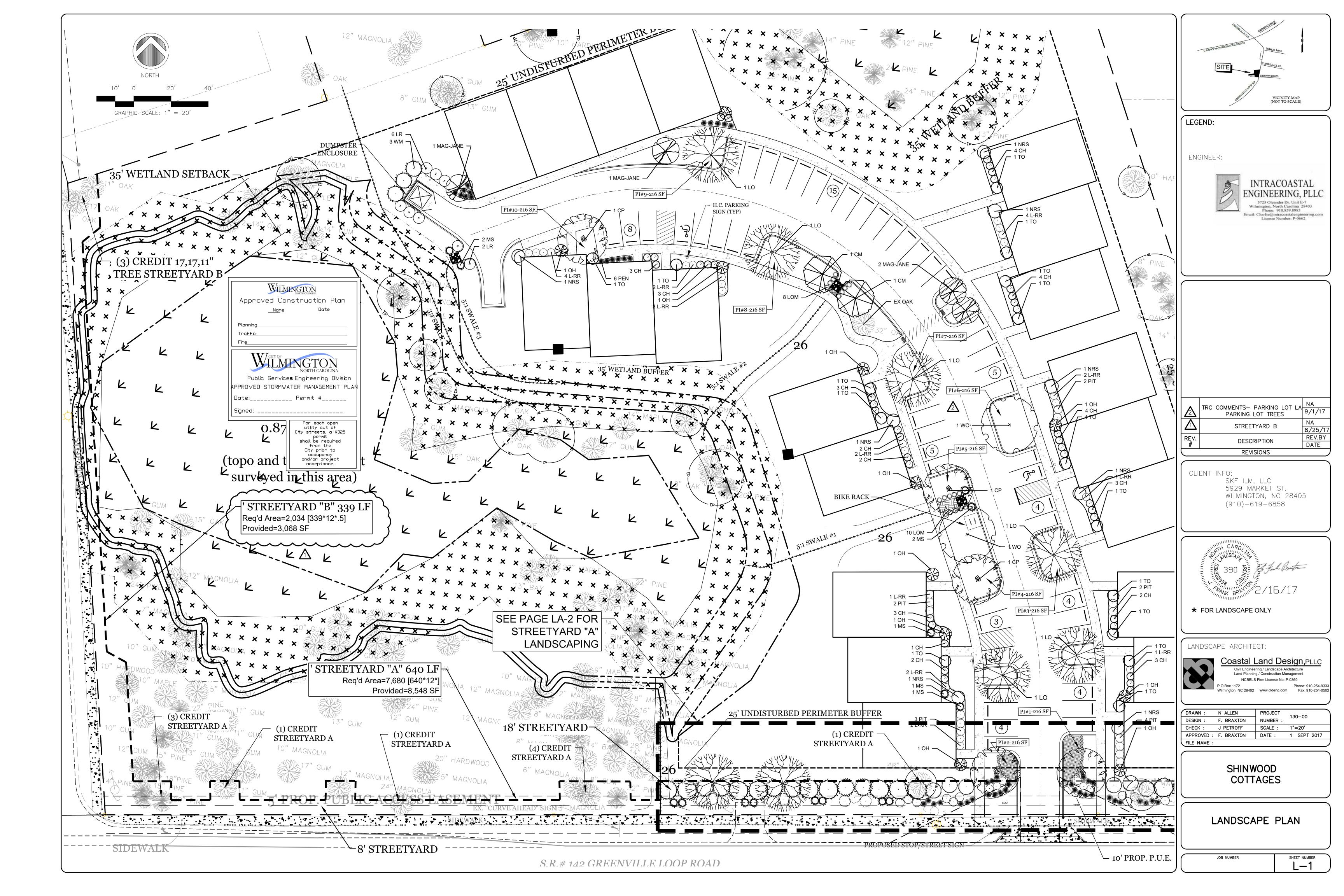


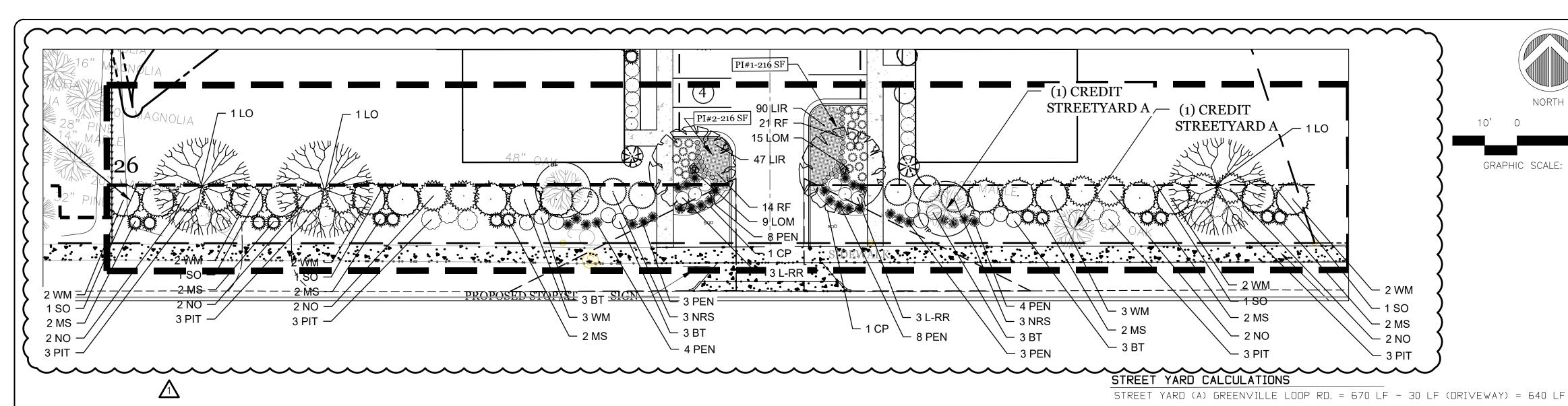
VICINITY MAP (NOT TO SCALE)

REVISIONS

CLIENT INFORMATION:

WILMINGTON, NC 28405 (910) 619-6858







VICINITY MAP (NOT TO SCALE)

**LEGEND:** 

ENGINEER:



TRC COMMENTS- PARKING LOT I

PARKING LOT TREES

STREETYARD A

DESCRIPTION

**REVISIONS** 

9/1/17

8/25/1

REV.BY

DATE

# LANDSCAPE NOTES

- 1. ALL LANDSCAPE MATERIAL MUST BE INSTALLED PRIOR TO FINAL BUILDING INSPECTION
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND/OR RELOCATION OF EXISTING UTILITIES IN COORDINATION WITH THE APPROPRIATE UTILITY AGENCY OR COMPANY.
- CONTRACTOR SHALL NOT SUBSTITUTE FOR ANY OF THE PLANT MATERIAL THAT IS SPECIFIED WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT.
- VERIFICATION OF TOTAL QUANTITIES AS SHOWN IN THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 5. MULCH UNDER ALL PROPOSED TREES AND SHRUBS WITH PINE NEEDLES AT A 3"-4" DEPTH OR
- 6. PLANT SIZES INDICATED SPECIFY MINIMUM ALLOWABLE SIZES AT PLANTING. WHERE CONTAINER AND HT. SIZES ARE INDICATED FOR A SINGLE SPECIES, BOTH SIZE REQUIREMENTS MUST BE
- THERE SHALL BE AT LEAST A 3 FT. SEPARATION BETWEEN LANDSCAPED AREAS AND PARKING
- 8. ALL PLANTINGS USED TO SCREEN THE DRIVES AND PARKING AREAS FROM ADJOINING ROADWAYS WILL NEED TO BE A MINIMUM OF 24" HIGH AT TIME OF PLANTING.

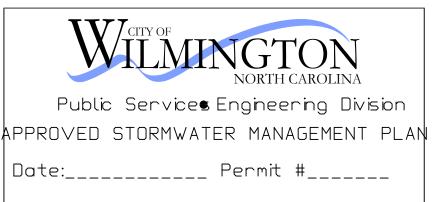
AREAS TO ALLOW VEHICLE OVERHANG WHEN PARKING STOPS ARE NOT REQUIRED.

- 9. ALL OTHER AREAS NOT BEING MULCHED TO BE SEEDED PER SEEDING SCHEDULE INCLUDED AS PART OF THE S&E PLANS.
- 10. THE OWNERS OF THE PROPERTY AND THEIR AGENTS, HEIRS, OR ASSIGNS SHALL BE RESPONSIBLE FOR THE INSTALLATION, PRESERVATION AND MAINTENANCE OF ALL PLANTING AND PHYSICAL FEATURES SHOWN ON THIS PLAN. THE OWNERS SHALL BE RESPONSIBLE FOR ANNUAL MAINTENANCE OF THE VEGETATION TO INCLUDE BUT NOT BE LIMITED TO:
- FERTILIZATION REES SHRUBS AND GRASSED AREAS
- BROADCAST A SLOW RELEASE FERTILIZER OVER THE MULCHED BEDS AT THE RECOMMENDED RATES AS SHOWN ON THE BAGS, ONCE MID-FEBRUARY AND ONCE MID-SEPTEMBER. THOROUGH WATERING IS REQUIRED UPON COMPLETION.
- PRUNNING WITHIN LIMITS PRUNING WHEN NECESSARY, WILL BE DONE TO MAINTAIN THEIR NORMAL GROWTH PATTERN AND TO REMOVE DEAD OR DISEASED PLANT MATERIAL. THERE SHALL BE NO TOPPING OF
- PEST CONTROL (OPTIONAL) WEED CONTROL TO BE PROVIDED EARY FEBRUARY, APRIL, JUNE, AUGUST AND OCTOBER IN THE SHRUB/TREE BEDS AND IN THE LAWN AREAS. INSECT DAMAGE SHALL BE TREATED WHEN NECESSARY TO PREVENT DAMAGE TO VEGETATION.
- MULCHING ALL AREAS AROUND THE BUILDING FOUNDATION AND SHRUB/TREE BEDS SHALL BE RE-MULCHED SO THAT THEY CONTAIN A MIN. DEPTH OF TWO INCHES AND A MAXIMUM DEPTH OF THREE INCHES. MULCH USED SHALL EQUAL WHICH WAS SUPPLIED DURING THE
- NSTALLATION OF THE PLANTS. MOWING MOWING SHALL BE DONE AS NECESSARY TO KEEP GRASS AT THE APPROPRIATE HEIGHT TO
- PROTECTION OF ROOT ZONES
- TREE/SHRUB ROOT ZONES SHOULD BE PROTECTED FROM FUTURE CONSTRUCTION AND EQUIPMENT AS MUCH AS POSSIBLE TO AVOID DAMAGE OR COMPACTION TO THE ROOT AREAS. WATERING SCHEDULE FOR IRRIGATION SYSTEM MAINTENANCE SHALL INCLUDE A THOROUGH INITIAL WATERING WITH WEEKLY WATERINGS THEREAFTER FOR THE FIRST 30 DAYS. WATERINGS THEREAFTER BE ON AN AS NEEDED SCHEDULE PER LOCAL CONDITIONS.
- H. STAKE AT WIRE REMOVAL
- AT THE END OF THE FIRST YEAR ALL PLANT STAKING AND GUYING SYSTEMS SHALL BE PROTECTED TREE REGULATION
- 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

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

Tr<u>affic</u>

W	TCTTY OF ILMINGTON NORTH CAROLIN.	
Approved	Construct	tion Plan
<u>N</u>	<u>am</u> e	<u>Date</u>
Plann <u>ing</u>		



Signed: \_\_\_\_\_

#### LANDSCAPE SCHEDULE **BOTANICAL NAME** COMMON NAME REMARKS QUAN. SYMBOL LARGE SHADE TREES QUERCUS VIRGINIANA IVE DAK 2.5" B&B 9 CHINESE PISTACHE B&B 5 PISTACIA CHINENSIS B&B QUERCUS PHELLOS WILLOW OAK SMALL SHADE TREES LAGERSTROEMIA INDICA X FAURIEI 'NATCHEZ' l 8–10′ B&B 'NATCHEZ' CRAPE MYRTLE JANE MAGNOLIA B&B Magnolia x 'Jane' DW SHRUBS FRAGRANT TEA OLIVE OSMANTHUS FRAGRANS 7 GAL. | 15 | L-RR LOROPETALUM CHINENSE VAR. RUBRUM 'RUBY' RUBY RED LORAPETALUM 3 GAL. | 33 | LIGUSTRUM RECURVIFOLIUM 5 GAL.. | 8 | LR LIGUSTRUM JAPONICUM 'RECURVIFOLIUM' ILEX CORNUTA 'CARISSA' CARISSA HOLLY 3 GAL.. | 41 | ILEX 'CONAF' OAKLEAF OAKLEAF HOLLY 25 GAL. | 11 | OH PENNISETUM ALOPECUROIDES 'HAMELN' DWARF FOUNTAIN GRASS 1 GAL. | 48 | DFG ADAGIO MAIDEN GRASS MISCANTHUS SINENSIS 'ADAGIO 3 GAL. 21 3 GAL. | 12 BERBERIS THUNBERGII 'CRIMSON PYGMY' ('ATROPURPUREA NANA')|CRIMSON PYGMY DWARF BARBERRY 1 GAL. | 42 | LOM LOMANDRA LONGIFOLIA 'KATRINUS DELUXE' TM LOMANDRA 'KATRINUS DELUXE TM' MYRICA CERIFERA WAX MYRTLE 7 GAL. 19 WM NRS ILEX X 'NELLIE R. STEVENS' NELLIE R. STEVENS HOLLY 15 GAL. | 14 | NERIUM OLEANDER 'PINK' 7 GAL. | 10 | NO PINK OLEANDER PITTOSPORUM TOBIRA 'COMPACTA' PITTOSPORUM COMPACTA 7 GAL. | 28 | PIT **GROUNDCOVER** 1 QT. 18" O.C. 138 VARIEGATED LIRIOPE LIRIOPE MUSCARI 'VARIEGATA' 1 QT. 24" O.C. 37 RUDBEKIA FULGIDA ORANGE CONEFLOWER

EMPIRE ZOYSIA

GROUND COVER (POTS OR BARE ROOT AS SPECIFIED)

EXISTING GRADE

UNDISTURBED EARTH

NTS

THOROUGHY TILL NATIVE SOIL TO 6" DEPTH, INSURE THAT SURFACE HAS POSITIVE DRAINAGE

ISLAND	AREA (SF)	REQUIRED TREES	PROVIDED	SHADE PROVIDED
1	216	1 canopy	1 canopy	707 SF
2	216	1 canopy	1 canopy	707 SF
3	216	1 canopy	1 canopy	707 SF
4	216	1 canopy	1 canopy	707 SF
5	216	1 canopy	1 canopy	707 SF
6	216	1 canopy	1 canopy	707 SF
7	216	1 canopy	1 canopy	707 SF
8	216	1 canopy	1 canopy	707 SF
9	216	1 canopy	1 canopy	707 SF
10	216	1 canopy	1 canopy	707 SF

<u>Section 18–481 (a)</u> All single planting islands measuring twelve (12) feet by eighteen (18) feet or **216** SF shall have at least one (1) tree. All double planting islands measuring twelve (12) feet by thirty-six (36) feet or **432** SF shall have at least two

PLANTING DETAIL GROUNDCOVER

(2) small mature shade trees or one canopy tree.

Tree Name	# of Trees	DBH	% Mitigation	Total DBH
Magnolia	1	8"	100	16
Magnolia	1	12"	100	24
Loblolly Pine	1	33"	50	33
Maple	1	24"	25	12
Total DBH of R	emoved Trees	Significant	=	85"
Total Trees Req. for Mitigation	=	Total DBH X	2X mitigation %	= 28

Sec. 18-460 Mitigation: Significant trees . The total number of replacement trees shall be determined by multiplying the total DBH of the removed significant trees by two (2) times the percentage for the type of tree in Table IV and dividing by three

STREET YARD (A):	REQUIRED S.Y. AREA = $7,680$ [640 LF $\times$ 12 (MULTIPLIER)]
STREET TARD (A).	PROVIDED S.Y. AREA = 8,548

REQUIRED TREES @ 1/600 SF = 13 TREES PROPOSED TREES = 3 NEW TREES + (CREDIT 12 EX. CANOPY PROPOSED SHRUBS = 91

REQUIRED S.Y. AREA = 2,034 [339 LF  $\times$  12  $\times$  .5] STREET YARD (B): PROVIDED S.Y. AREA = 2,160 SF

> REQUIRED TREES @ 1/600 SF = 3 TREES PROPOSED TREES = CREDIT 3 EXISTING TREES IN S.Y. REQUIRED SHRUBS @ 6/600 SF = 20 SHRUBS

PROPOSED SHRUBS = CREDIT EXISTING SHRUBS

ALL PROPOSED VEGETATION WITHIN SITE TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM

## PARKING INTERIOR AREA CALCULATIONS

- 10' [SEC.18-566 COW]

8% of TOTAL PARKING AREA PARKING LOT AREA = 23,586 SF REQUIRED VEGETATED AREA = 1,886 SF PROPOSED VEGETATED AREA = 4,850 SF (SEE PARKING ISLAND TABLE

# PARKING AREA SCREENING

PARKING WITHIN 50' OF A R.O.W. REQUIRES A LOW SCREEN MIN. 3' HIGH AND 5' WIDE

\* SCREENING INCLUDED IN STREETYARD PLANTING

# PARKING AREA SHADING

20% SHADE REQ'D AT MATURITY 23,586 SF PARKING LOT AREA = .....

4,717 SF SHADING AREA REQ'D= ... 

# FOUNDATION PLANTING AREAS

REQUIREMENT: FACADE AREA X 12% BUILDING HEIGHT = 25 FT

BUILDING WIDTH (LF) = 567 LF REQ'D FOUNDATION LANDSCAPING = 1,701 SF PROVIDED = 2,687 SF

Tree Name	# of Trees	DBH	% Mitigation	Total DB
Cedar	1	12	75	9
Willow	1	12	25	3
Bay	2	12	100	24
Bay	1	16	100	16
Oak	1	8	100	8
Oak	6	10	100	60
Oak	3	12	100	36
Oak	1	15	100	15
Magnolia	1	5	100	5
Magnolia	3	6	100	18
Magnolia	1	7	100	7
Magnolia	1	10	100	10
Magnolia	2	11	100	22
Loblolly Pine	1	20	50	10
Loblolly Pine	1	24	50	12
Loblolly Pine	1	28	50	14
Gum	2	8	75	16
Gum	3	10	75	22.5
Gum	2	11	75	16.5
Gum	1	14	75	10.5
Pine	16	12	N/A	192
Pine	2	13	N/A	26
Pine	8	14	N/A	112
Pine	4	15	N/A	60
Pine	4	16	N/A	64
Pine	2	17	N/A	34
Pine	5	18	N/A	90
Pine	4	19	N/A	76
Pine	3	20	N/A	60

Total Trees Req.	=	Total DBH 3	C mitigation %	= 350
Total DBH of Rem	oved Regu	ulated Trees		1048.5
Pine	3	20	N/A	60

Sec. 18-460 Mitigation: Regulated trees . The total number of replacement trees shall be determined for regulated trees removed by multiplying the total DBH of the removed regulated tree(s) by the percentage for the type of tree in Table IV and dividing by three (3).

Section 18-461 Exceptions to Mitigation: (b) Regulated trees removed within the area of disturbance necessary for essential site improvements are exempt from mitigation, provided the applicant has designed around trees in order to retain as many trees as practicable.

# of Preserved Trees Size (DBH) Credit Given Resulting Credit							
5	2-5"	1	5				
51	6-11"	2	102				
62	12-17"	3	186				
14	18-23"	4	56				
18	>24"	= (DBH/6)	84				

**Total resulting Credit for** 

150 Preserved Trees

PLANTING DETAIL
SMALL TREE
1" - 2.5" CALIPER

NOTES

SCARFICATION OF EXISTING SOIL
3' RADIUS MIN. FOR TREES 2" CAL.
OR GREATER

3' RADIUS MIN. FOR TREES LESS THAN 2" CALIPER

FOR TREES PLANTED ON SLOPES LESS THAN 3:1, TAPER SOIL AROUND TREE 1.5X WIDTH OF TREE BALL.

FOR TREES PLANTED ON SLOPES GREATER THAN 3:1, THE SOIL TAPER AROUND THE TREE SHOULD NOT EXCEED 2:1.

# SKF ILM, LLC 5929 MARKET ST. WILMINGTON, NC 28405 (910) - 619 - 6858★ FOR LANDSCAPE ONLY

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RUBBER HOSE SECURED WITH GALVANIZED WIRE OR NYLON WEBBING TREE TIES

INSURE THAT BASAL ROOTS OR TRUNK TAPER IS VISIBLE-DO NOT COVER WITH SOIL OR STRAW.

2X2 STAKE OR APPROVED EQUAL 2 PER TREE

PULL BACK BURLAP ON TRUNK AT UPPER 1/3 OF ROOTBALL CLIP WRE BASKETS IN 3-4 SECTIONS REMOVE STRING.

ROOT BALL B&B OR CONTAINER

\_ PINE STRAW MULCH AT 3" DEPTH.

NATIVE SOIL OR APPROVED IMPORTED BACKFILL.

SCARIFY SIDES OF TREE PIT WITH RAKES OR TINES.

- EXISTING GRADE

LANDSCAPE ARCHITECT:



REV.

CLIENT INFO:

Coastal Land Design, PLLC Civil Engineering / Landscape Architecture Land Planning / Construction Management NCBELS Firm License No: P-0369

P.O.Box 1172 Phone: 910-254-9333 Wilmington, NC 28402 www.cldeng.com Fax: 910-254-0502

DRAWN :	N ALLEN	PROJECT		
DESIGN :	J CARMINE	NUMBER :		
CHECK :	F BRAXTON	SCALE :	1"=20'	
APPROVED :	J PETROFF	DATE :	25 AUGUST	2017
FILE NAME :				

SHINWOOD COTTAGES

LANDSCAPE PLAN/ **DETAILS** 

L-2

