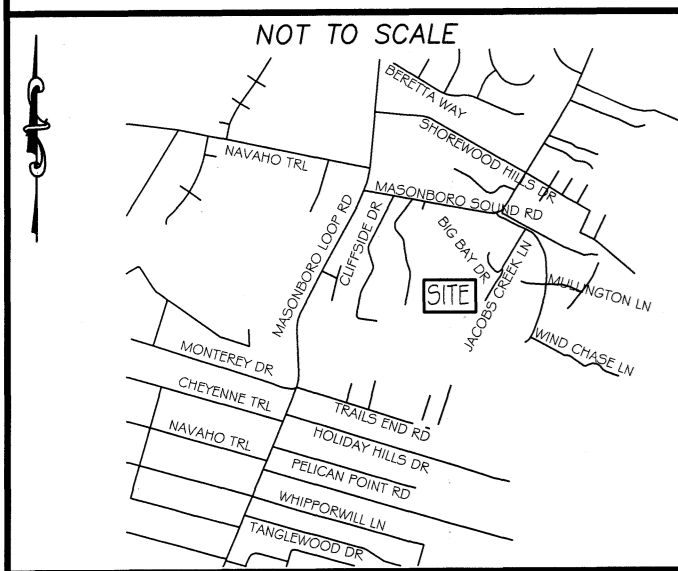


LOCATION MAP



LIMITS OF DISTURBANCE SHOWN = 32,639 SF
 LOTS 1 & 2 ALLOCATED 5,250 SF OF DISTURBANCE
 LOT 3 ALLOCATED 421 SF OF DISTURBANCE
 TOTAL = 32,639 + 5,250 + 5,250 + 421 = 43,560 SF

GENERAL NOTES:

- NEW HANOVER COUNTY PARCEL NUMBERS:
 PD = R07200-005-001-000
- TOTAL PROJECT AREA: 272,971 SF (6.27 AC)
- EXISTING ZONING DISTRICT: R-15
- LAND CLASSIFICATION: RESIDENTIAL
- THIS SITE IS LOCATED IN ZONE X & AE (EL 10) ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP; COMMUNITY PANEL NUMBER 3720314500 (4), DATED: 4/5/06.
- BASE FLOOD ELEV. = 10
- EXISTING SITE ADDRESS: 706 JACOBS CREEK LANE
 REMAINING ACCESS EASEMENT TO "ENCLAVE DRIVE"
- EXISTING IMPERVIOUS ON-SITE = 17,750 SF
- BOUNDARY, TREE AND TOPOGRAPHIC SURVEY PERFORMED AND PROVIDED TO COASTAL SITE DESIGN, PC BY PATRICK C. BRISTOW LAND SURVEYING, PC. VERTICAL DATUM = 88
- STORMWATER DRAINS TO WHISKEY CREEK, SA:HOW 18-87-28
- CAMA LANDUSE: WATERSHED RESOURCE PROTECTION AREA.
- "404" WETLANDS, CONSERVATION AREA & NORMAL HIGH WATER DELINEATED BY SOUTHERN ENVIRONMENTAL GROUP, INC.
- LAND OWNER - BLACK PACK INVESTMENTS, LLC
 706 JACOBS CREEK
 WILMINGTON, NC 28409
- SUBDIVISION STREET DISCLOSURE TO ACCOMPANY SALE OF LOTS.

SITE & BUILDING DATA:

SITE DATA:
 TOTAL SITE AREA = 272,971 SF (6.27 AC)
 IMPERVIOUS AREA BREAKDOWN:
 EXISTING IMPERVIOUS =
 BUILDINGS = 3,453 SF (0.08 AC)
 ASPHALT DRIVE = 13,500 SF (0.31 AC)
 BRICK WALK/PATIO = 686 SF (0.02 AC)
 SHED = 792 SF (0.02 AC)
 TOTAL = 18,431 SF (0.42 AC)
 EXISTING 6.8% IMPERVIOUS (7% USED)
 18,431 SF / 272,971 SF

PROPOSED IMPERVIOUS =
 EX. ACCESS ROAD ON LOT 1 = 2,873 SF (0.07 AC)
 PROP. ASPHALT ROAD ON LOT 1 = 797 SF (0.02 AC)
 PROP. TURF STONE ROAD ON LOT 1 = 223 SF (0.005 AC) (75% CREDIT FROM 892 SF)
 EX. SHED ON LOT 1 = 792 SF (0.02 AC)
 PROP. IMPERVIOUS ON LOT 1 = 5,315 SF (0.12 AC)
 TOTAL = 10,000 SF (0.23 AC)

EX. ACCESS ROAD ON LOT 2 = 2,649 SF (0.06 AC)
 PROP. TURF STONE ROAD ON LOT 2 = 387 SF (0.009 AC) (75% CREDIT FROM 1,547 SF)
 PROP. VEHICLE TURNAROUND ON LOT 2 = 333 SF (0.008 AC) (75% CREDIT FROM 1,330 SF)
 PROP. IMPERVIOUS ON LOT 2 = 6,631 SF (0.15 AC)
 TOTAL = 10,000 SF (0.23 AC)

EX. ACCESS ROAD ON LOT 3 = 792 SF (0.02 AC)
 PROP. TURF STONE ROAD ON LOT 3 = 48 SF (0.001 AC) (75% CREDIT FROM 189 SF)
 EX. DRIVEWAY ON LOT 3 = 3,953 SF (0.09 AC)
 EX. HOUSE ON LOT 3 = 2,865 SF (0.06 AC)
 EX. GARAGE ON LOT 3 = 788 SF (0.02 AC)
 EX. BRICK WALK/PATIO ON LOT 3 = 686 SF (0.02 AC)
 FUTURE IMPERVIOUS AREA LOT 3 = 1,068 SF (0.02 AC)
 TOTAL = 10,000 SF (0.23 AC)

PROPOSED 11% IMPERVIOUS
 30,000 SF / 272,971 SF

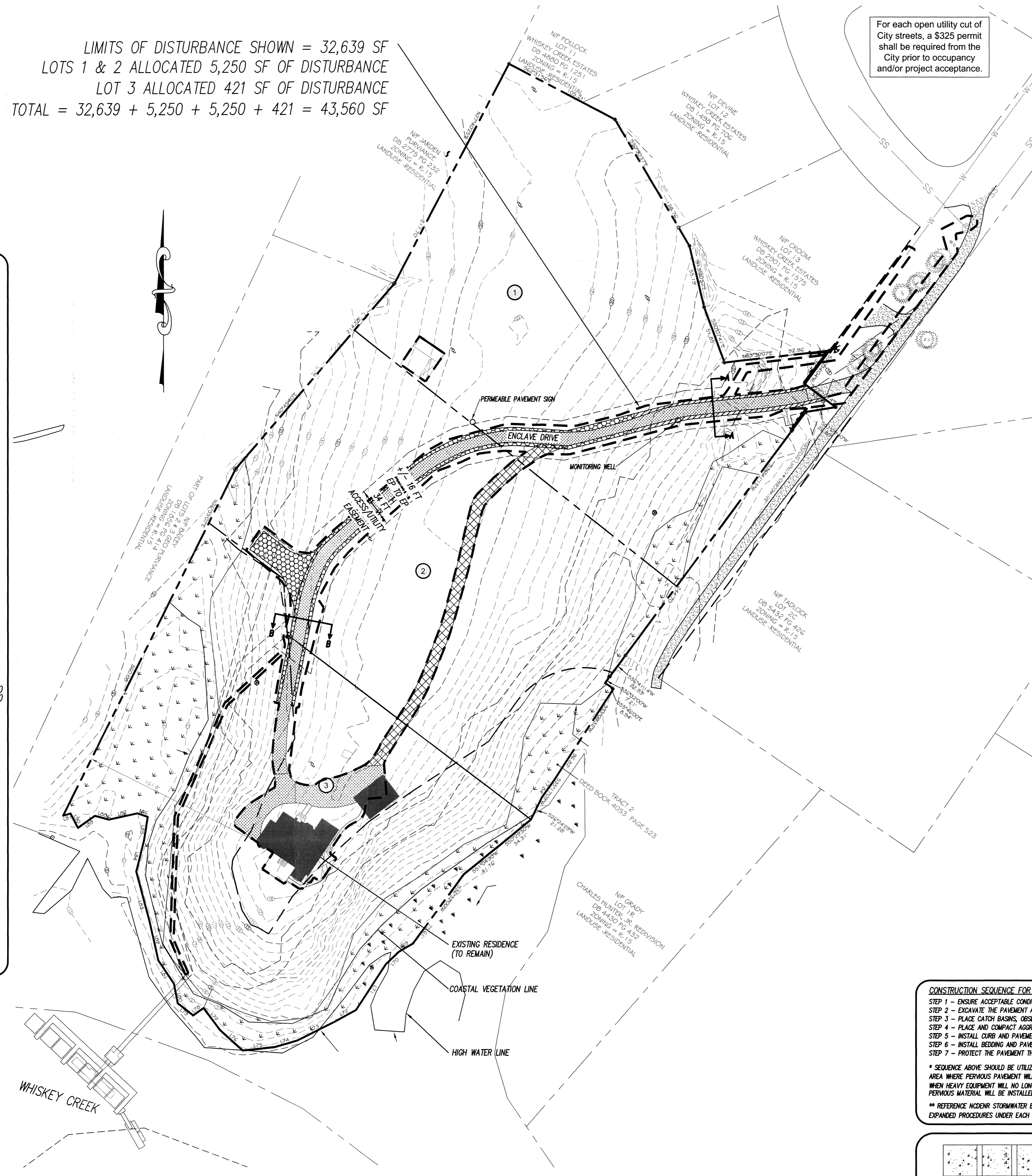
BUILDING DATA:
 PROPOSED 6.3% BUILDING LOT COVERAGE
 PROPOSED BUILDING AREA: 17,259 SF
 LOT COVERAGE: 17,259 SF / 272,971 SF
 TOTAL LOTS = 3 (2 NEW SINGLE-FAMILY HOMES, 1 EXISTING) 5 BORMS EA.
 MAX. BLDG. HEIGHT = 35 FT
 TOTAL WETLANDS ON-SITE = 40,827 SF (0.94 AC)
 AREA IN LIMITS OF DISTURBANCE = 38,395 SF

OPEN SPACE BREAKDOWN:
 N/A

SETBACKS
 FRONT: 30 FT
 REAR: 25 FT
 SIDE: 10 FT

LEGEND

- EXISTING BOUNDARY
- - - EXISTING CONTOUR
- - - PROP. LOTLINE

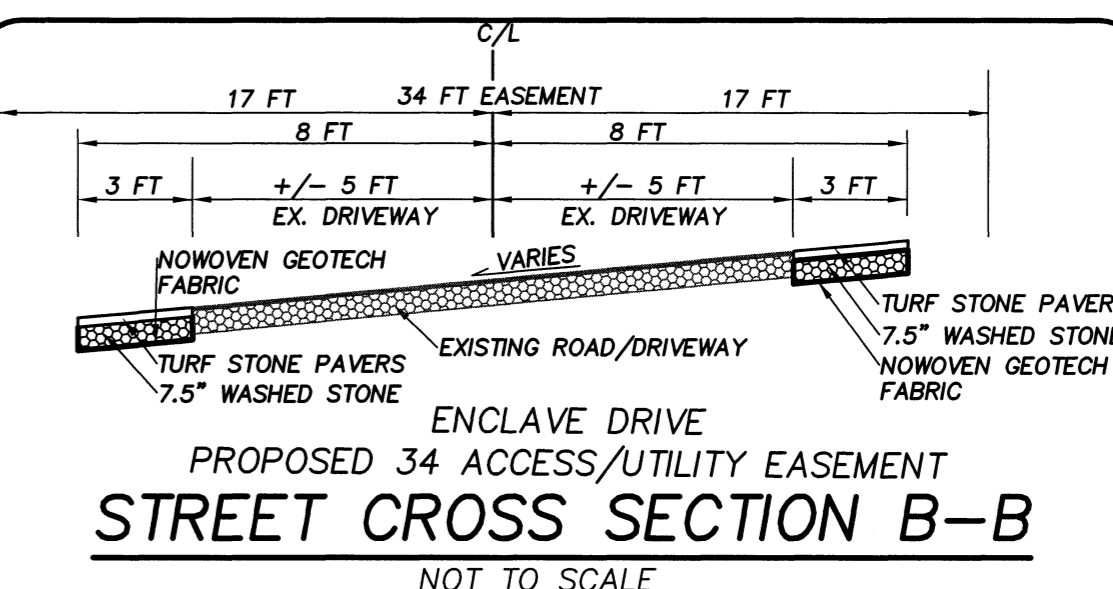
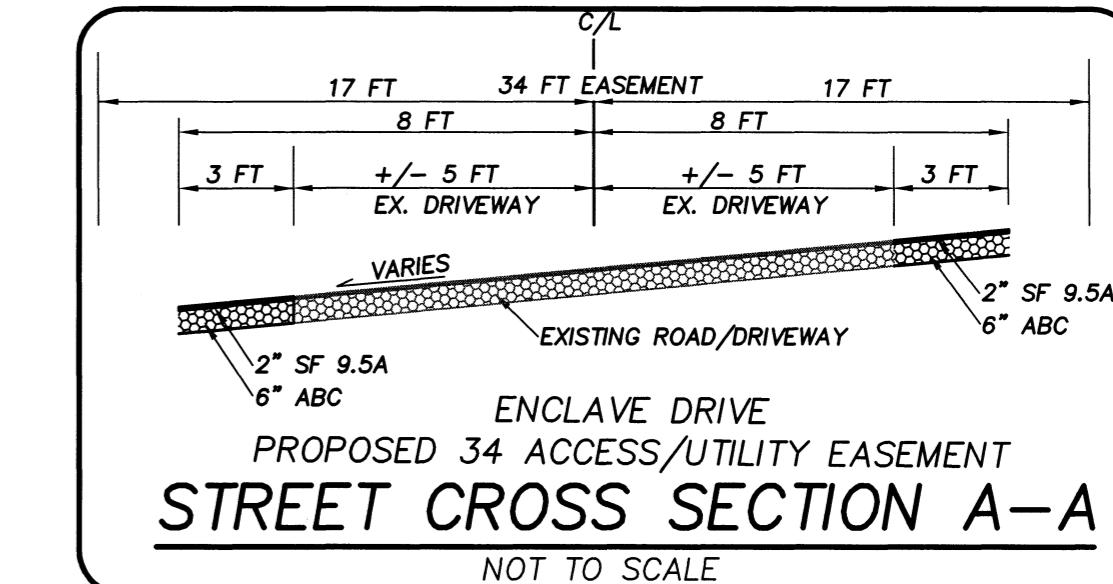
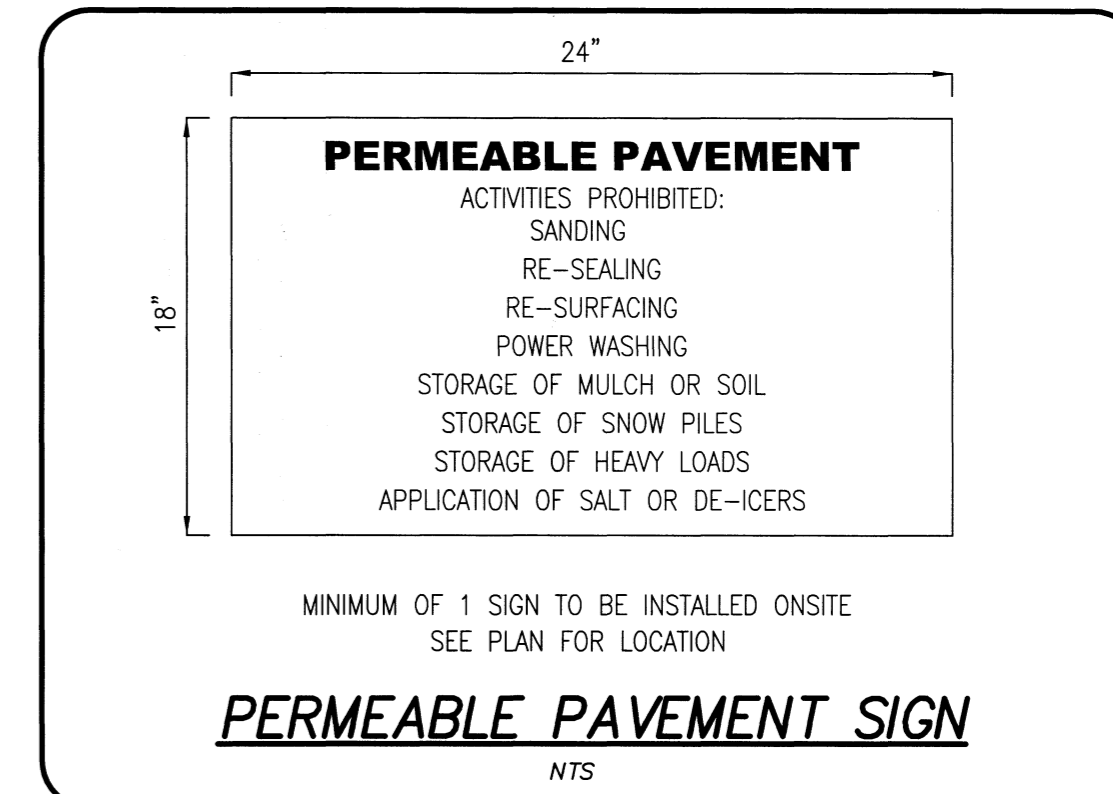
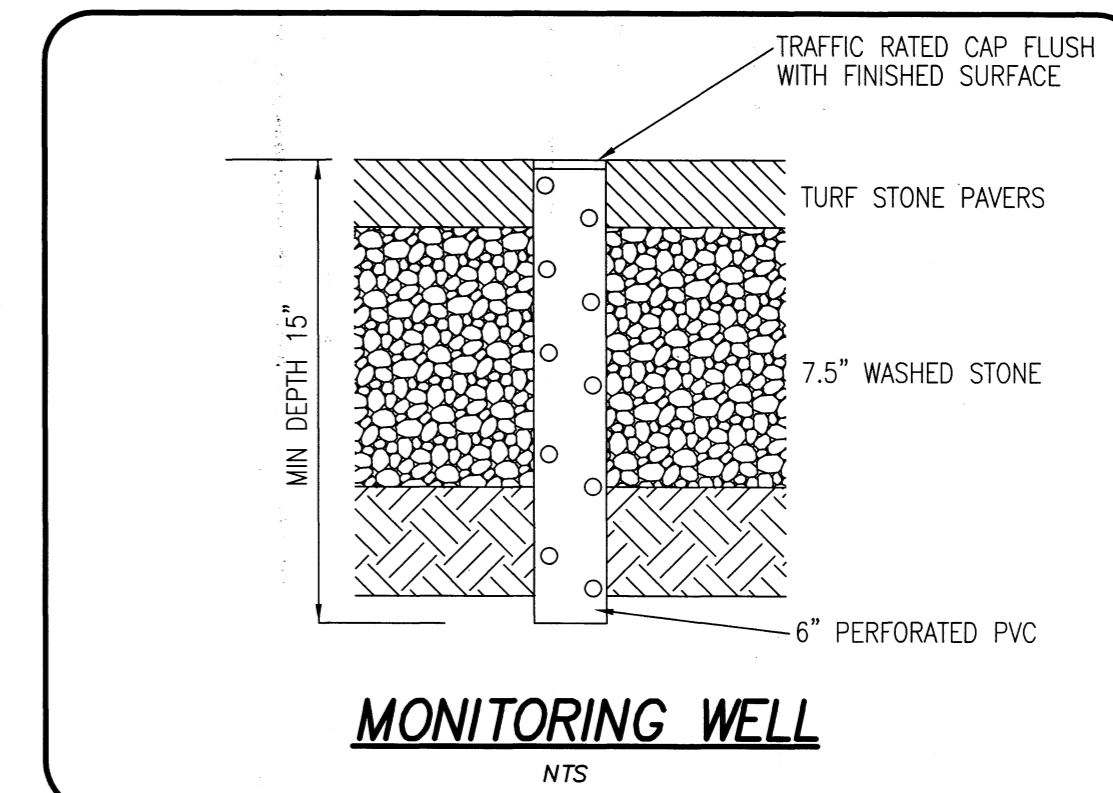


For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

Approved Construction Plan

Name _____ Date _____
 Planning _____
 Traffic _____
 Fire _____

CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED PLAN - NO PERMIT REQUIRED
 Signed: _____

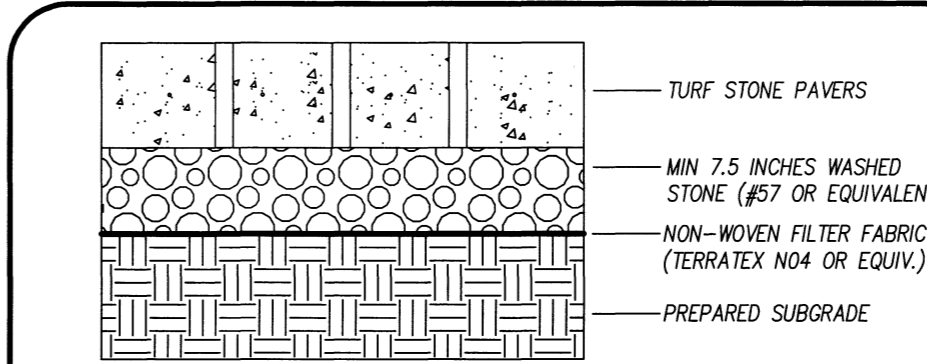


CONSTRUCTION SEQUENCE FOR PERVIOUS PAVEMENT:

- ENSURE ACCEPTABLE CONDITIONS FOR CONSTRUCTION
- EXCAVATE THE PAVEMENT AREA AND PREPARE SUBGRADE SURFACE
- PLACE CATCH BASINS, OBSERVATION WELLS(S) AND UNDERDRAIN SYSTEM
- PLACE AND COMPACT AGGREGATE BASE
- INSTALL CURB AND PAVEMENT BARRIERS
- INSTALL BEDDING AND PAVEMENT COURSES
- PROTECT THE PAVEMENT THROUGH PROJECT COMPLETION

* SEQUENCE ABOVE SHOULD BE UTILIZED AFTER OTHER SITE IMPROVEMENTS IN AREA WHERE PERVIOUS PAVEMENT WILL BE INSTALLED HAVE BEEN COMPLETED AND WHEN HEAVY EQUIPMENT WILL NO LONGER BE MOVING ON TO THE AREA WHERE THE PERVIOUS MATERIAL WILL BE INSTALLED.

** REFERENCE NCDENR STORMWATER BMP MANUAL PART C SECTION C-5 FOR EXPANDED PROCEDURES UNDER EACH STEP LISTED ABOVE.



NOTE WELL:

1. SOIL STABILIZATION TIMEFRAMES	SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DITCHES/SWALES		7 DAYS	NONE
DITCHES AND SLOPES		7 DAYS	NONE
HIGH QUALITY ZONES (HOW)		7 DAYS	NONE
SLOPES STEEPER THAN 3:1		7 DAYS	IF SLOPES ARE 10 FT OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED
SLOPES 3:1 OR FLATTER		14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FT IN LENGTH
ALL OTHER AREAS WITH SLOPES		14 DAYS	NONE, EXCEPT FOR PERIMETER AND FLATTER THAN 4:1 HOW ZONES

SITE IS LOCATED WITHIN A HWZ ZONE SO STABILIZATION MUST BE ACHIEVED WITHIN 7 DAYS AFTER DISTURBANCE OCCURS.

2. DENURED AREAS MUST BE STABILIZED WITHIN FIFTEEN (15) WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY. ALL SLOPES MUST BE STABILIZED WITHIN TWENTY-ONE (21) CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY. THIS INCLUDES SLOPES, SWALES, CHANNELS AND STOCKPILES.

- ALL SLOPES SHALL BE 3:1 OR FLATTER.
- ALL ROOF DRAINS TO BE DIRECTED TO STORM DRAINAGE SYSTEM.
- 0.94 AC WETLANDS EXIST ON SITE.
- BOUNDARY, TOPOGRAPHY AND WETLANDS SURVEY PERFORMED BY PATRICK C. BRISTOW LAND SURVEYING, PC.
- ELEVATION DATUM: NAVD 88
- ALL NEWLY CONSTRUCTED IMPERVIOUS AREAS TO BE CONSTRUCTED TO FACILITATE SHEET FLOW OVER EXISTING VEGETATION.

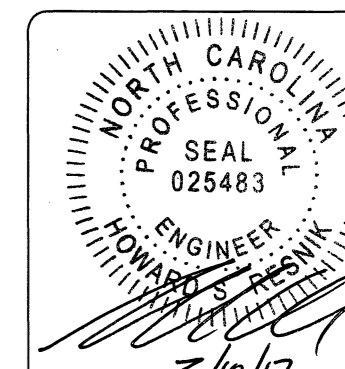


CSD ENGINEERING
 LICENSE # C-2710
 ENGINEERING
 LAND PLANNING
 COMMERCIAL / RESIDENTIAL

P.O. BOX 4041
 WILMINGTON, NC 28406
 (910) 791-4441

DRAINAGE PLAN FOR
JACOBS RIDGE

DRAINAGE PLAN FOR
JACOBS RIDGE
 WILMINGTON, NORTH CAROLINA
 LOCATED IN CITY OF NEW HANOVER COUNTY, NORTH CAROLINA
 OWNER: BLACKPACK INVESTMENTS, LLC
 706 JACOBS CREEK LANE
 WILMINGTON, NC 28409



REV.	NO.	DATE	REMARKS
1	1	10-10-16	
2	2	11-09-17	
3	3	1-24-17	
4	4	2-10-17	

DATE: 9-8-16
 HORZ. SCALE: 1" = 50'
 VERT. SCALE: N/A
 DRAWN BY: RLW
 CHECKED BY: HSR
 PROJECT NO.: 13-0309

Sheet No. **DP1** of **DP1**