

SITE DATA

PARCEL ID:

R05611-002-065-000

CURRENT USE:

R-5 (CD) VACANT

CAMA LAND USE CLASSIFICATION

CONSERVATION/ WATER RESOURCE PROTECTION

PROJECT ADDRESS:

6149 WRIGHTSVILLE AVE WILMINGTON, NC 28403

CURRENT OWNER:

FALLS VALLEY II, L.L.C. 6204 OLD MILITARY RD. WILMINGTON, NC 28409

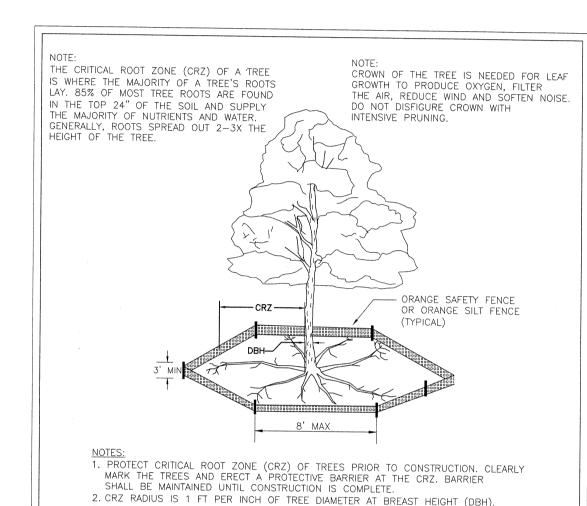
TOTAL ACREAGE IN PROJECT BOUNDARY: TOTAL DISTURBED AREA:

51,594 S.F. (1.18 AC.) ±0.89 AC.

EXISTING IMPERVIOUS AREAS: SITE IS VACANT

NOTES:

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



2. CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH). 3. IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND/OR LOGGING MATTS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.

4. WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN 4. WHERE SIDEWALKS AND PATHWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.

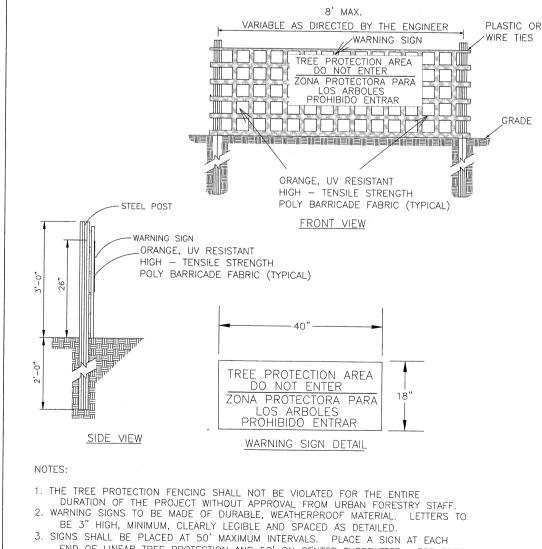
5. FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK UNDER TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED BENEATH TREES. DAMAGING THE BARK WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED.

CONTRACTOR SHALL REPAIR DAMAGE TO TREES.

6. FAILING TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YRS FOR TREE MITIGATION.

STANDARD DETAIL DATE: JAN, 2015 TREE PROTECTION DRAWN BY JSR DURING CHECKED BY RDG, P.E. CONSTRUCTION SCALE NOT TO SCALE SHEET 1 of 2

WILMINGTON NORTH CAROLIN/ CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807 SD 15-09



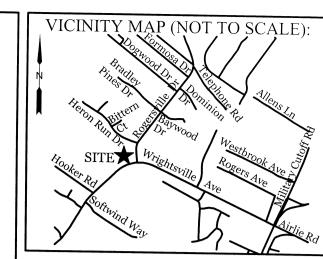
END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.

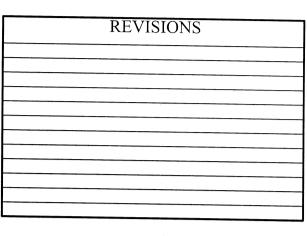
4. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE AND SIGNS THROUGHOUT DURATION OF PROJECT.

5. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.

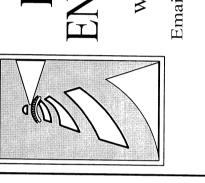
6. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.

	STANDARD DETAIL	TV CITY OF
DATE: JAN, 2015	TREE PROTECTION	WILMINGTON
DRAWN BY JSR	TREE PROTECTION	NORTH CAROLINA
CHECKED BY RDG, P.E.	DURING	CITY OF WILMINGTON ENGINEERING PO BOX 1810
	CONSTRUCTION	WILMINGTON, NC 28402 (910) 341-7807
SCALE NOT TO SCALE	SHEET 2 of 2	SD 15-09

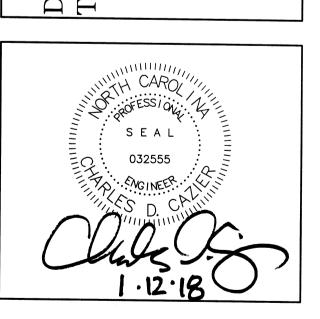




GINEERIN



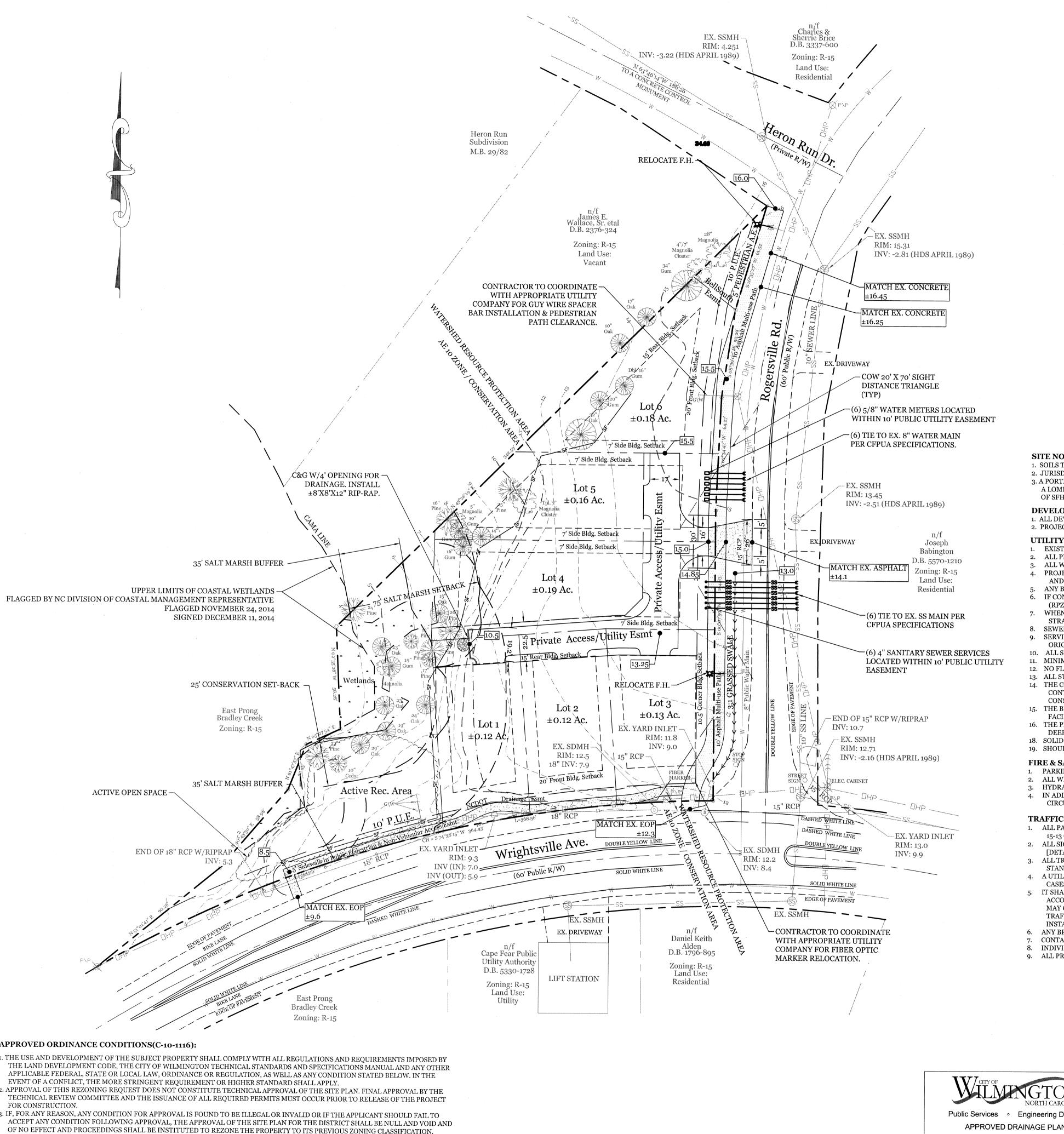
EXISTING CONDITIONS
DEMOLITION, EROSION CONT



CLIENT INFORMATION: James Jackson Falls Valley II, L.L.C. 6204 Old Military Rd. Wilmington, NC 28409 Ph. 910-547-6016

JAE | SHEET SIZE: DRAWN: 24x36 CHECKED: CDC DATE: 1/12/2018 APPROVED: CDC | SCALE: 1" = 30' PROJECT NUMBER: 2017-026

DRAWING NUMBER: C-O



SITE DATA

PARCEL ID: R05611-002-065-000

CURRENT ZONING: R-5 (CD) CURRENT USE: VACANT

CAMA LAND USE CLASSIFICATION CONSERVATION/ WATER RESOURCE PROTECTION

6204 OLD MILITARY RD.

0.18 AC (MIN 50% ACTIVE)

PROJECT ADDRESS: 6149 WRIGHTSVILLE AVE

WILMINGTON, NC 28403 CURRENT OWNER: FALLS VALLEY II, L.L.C.

WILMINGTON, NC 28409 TOTAL ACREAGE IN PROJECT BOUNDARY: 51,594 S.F. (1.18 AC.)

MAXIMUM BUILDING LOT COVERAGE: BUILDING HEIGHT: 35' MAX

BUILDING SETBACKS: FRONT: REQUIRED= 20'

REQUIRED= 7' (10.5' CORNER LOT) **REAR:** REQUIRED= 15

EXISTING ON-SITE IMPERVIOUS AREAS: o S.F. (SITE IS VACANT)

PROPOSED ON-SITE IMPERVIOUS AREAS:

ACCESS DRIVE TOTAL 5,800 S.F. ÷ 51,594 S.F. = 11.2%

PROPOSED OFF-SITE IMPERVIOUS AREAS: COW ASPHALT MULTI-USE PATH COW CONCRETE SIDEWALK

3,310 S.F. 1,262 S.F. **DRIVEWAY APRON** 466 S.F. TOTAL 5,038 S.F.

OPEN SPACE REQUIREMENT: (0.03 AC. per Lot) $.03 \times 6 \text{ Lot} =$ PROVIDED:

0.29 AC (0.11 ACTIVE)

EXISTING SEWER AND WATER DEMAND: o GPD (VACANT) PROPOSED SEWER AND WATER DEMAND

SEWER: (6) 3 BDRM RES. @ 360 GAL/RES. = 2,160 GPD WATER: (6) 3 BDRM RES. @ 400 GAL/RES. = 2,400 GPD

SITE NOTES:

- 1. SOILS TYPE: Cr (Craven fine sandy loam).
- 2. JURISDICTIONAL WETLANDS EXIST ON SITE AND ARE SHOWN.
- 3. A PORTION OF THIS PROPERTY IS SHOWN WITHIN A SPECIAL FLOOD HAZARD AREA ON "EFFECTIVE" N.C. FLOOD MAP 3720315700J, AT BASE FLOOD ELEV. 10. HOWEVER, A LOMR-F WAS APPROVED IN 2006 REMOVING THAT DETERMINATION. 2015 "PRELIMINARY" MAPS INCREASE THE BFE TO 12, AND MAY RE-ESTABLISH APPLICABILITY OF SFHA REGULATIONS.

DEVELOPMENT NOTES:

1. ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH THE CITY OF WILMINGTON LAND DEVELOPMENT CODE. 2. PROJECT SHALL COMPLY WITH ALL FEDERAL, STATE & NEW HANOVER COUNTY REGULATIONS.

UTILITY NOTES:

- 1. EXISTING WATER AND SANITARY SEWER SERVICES ARE CURRENTLY AVAILABLE TO THE SITE FROM CAPE FEAR PUBLIC UTILITY AUTHORITY PUBLIC MAINS.
- ALL PROPOSED UTILITY SERVICES, SUCH AS ELECTRIC POWER, CATV, GAS & TELEPHONE SHALL BE INSTALLED UNDERGROUND. ALL WATER & SEWER UTILITIES TO BE INSTALLED PER CFPUA TECHNICAL SPECIFICATIONS & STANDARDS.
- PROJECT SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND N.C.D.E.N.R. HAS ISSUED THEIR "FINAL APPROVAL.". CALL 332-6558 FOR INFORMATION.
- ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCCCHR OR ASSE. IF CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
- 7. WHEN PVC WATER MAINS AND SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED, SINGLE-STRAND COPPER WIRE INSTALLED & STRAPPED TO THE PIPES WITH DUCT TAPE. THIS IS TO BE ACCESSIBLE IN ALL VALVES AND METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.
- 8. SEWER GUARDS REQUIRED AT ALL MANHOLES. STAINLESS STEEL SEWER GUARDS REQUIRED AT MANHOLES LOCATED IN TRAFFIC AREAS. 9. SERVICES SHALL BE PERPENDICULAR TO MAIN AND TERMINATE AT RIGHT-OF-WAY LINE. SERVICES IN CUL-DE-SACS ARE REQUIRED TO BE PERPENDICULAR OR MUST
- ORIGINATE IN MANHOLE AND TERMINATE AT RIGHT-OF-WAY LINE.
- 10. ALL SERVICES TYING INTO DUCTILE IRON MAINS SHALL BE CONSTRUCTED OF CLASS 50 D.I.P. WITH PROTECTO 401 CERAMIC EPOXY LINING.
- 11. MINIMUM 10' UTILITIES EASEMENT PROVIDED ALONG THE FRONTAGE OF ALL LOTS AND AS SHOWN FOR NEW DEVELOPMENTS.
- 12. NO FLEXIBLE COUPLINGS SHALL BE USED 13. ALL STAINLESS STEEL FASTENERS SHALL BE 316.
- 14. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OR EXISTING UTILITIES DURING CONSTRUCTION. CALL U-LOCO AT 1-800-632-4949. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY UTILITIES, CURB & GUTTER, PAVEMENT, ETC. THAT MAY BE BE DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE QUALITY OR WORKMANSHIP FOUND IN THE ORIGINAL ITEM. 15. THE BELLSOUTH CONTACT IS STEVE DAYVAULT, BUILDING INDUSTRY CONSULTANT, AT 910-392-8712. CONTACT HIM PRIOR TO STARTING THE PROJECT IN ORDER TO
- FACILITATE GOOD COMMUNICATION AND MAXIMUM FLEXIBILITY.
- 16. THE PROCESS FOR TELEPHONE CABLE PLACEMENT: * FINAL GRADE WILL NEED TO BE ESTABLISHED. * POWER WILL PLACE THEIR CABLE FIRST APPROXIMATELY 3' DEEP. * BELLSOUTH & CABLE TV WILL THEN PLACE THEIR CABLE AT APPROXIMATELY 2' DEEP.
- 18. SOLID WASTE DISPOSAL IS COW CURBSIDE PICKUP. 19. SHOULD ADDITIONAL SERVICES BE LOCATED DURING CONSTRUCTION, THEY MUST EITHER BE UTILIZED OR ABANDONED

FIRE & SAFETY NOTES:

- 1. PARKING AND LANDSCAPING CANNOT BLOCK FIRE HYDRANTS.
- 2. ALL WEATHER ACCESS ROAD MUST BE MAINTAINED AROUND CONSTRUCTION SITE AT ALL TIMES. 3. HYDRANTS SHALL BE OF SUFFICIENT NUMBERS TO ACCOMMODATE BASE FIRE FLOW REQUIREMENTS OF STRUCTURE
- 4. IN ADDITION TO THE STANDARD COMMENTS, ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.

TRAFFIC NOTES:

- 1. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS. [DETAIL SD
- 2. ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS. [DETAIL SD 15-13 COFW TECH STDS] 3. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD
- 4. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. NOTE THIS ON THE PLAN AND CONTACT 341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
- IT SHALL BE THE RESPONSIBILITY OF THE SUBDIVIDER TO ERECT OFFICIAL STREET NAME SIGNS AT ALL INTERSECTIONS ASSOCIATED WITH THE SUBDIVISION IN ACCORDANCE WITH THE TECHNICAL STANDARDS AND SPECIFICATIONS MANUAL. THE SUBDIVIDER MAY ACQUIRE AND ERECT OFFICIAL STREET NAME SIGNS OR MAY CHOOSE TO CONTRACT WITH THE CITY TO INSTALL THE STREET SIGNS AND THE SUBDIVIDER SHALL PAY THE COST OF SUCH INSTALLATION. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
- ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED. CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
- 8. INDIVIDUAL LOT ACCESS ONLY THROUGH SHARED DRIVE ON ROGERSVILLE RD.
- 9. ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30" TO 10'.

APPROVED ORDINANCE CONDITIONS(C-10-1116):

THE USE AND DEVELOPMENT OF THE SUBJECT PROPERTY SHALL COMPLY WITH ALL REGULATIONS AND REQUIREMENTS IMPOSED BY APPLICABLE FEDERAL, STATE OR LOCAL LAW, ORDINANCE OR REGULATION, AS WELL AS ANY CONDITION STATED BELOW. IN THE

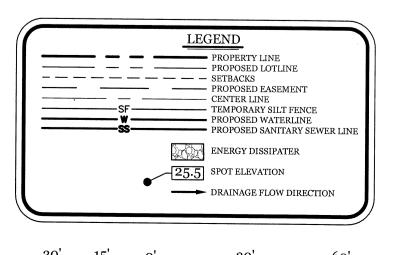
3. IF, FOR ANY REASON, ANY CONDITION FOR APPROVAL IS FOUND TO BE ILLEGAL OR INVALID OR IF THE APPLICANT SHOULD FAIL TO

. THE USE AND DEVELOPMENT OF THE SUBJECT PROPERTY SHALL BE IN ACCORDANCE WITH THE PLAN AS SUBMITTED SEPTEMBER 20, 2016. THE PERMITTED USE SHALL BE RESTRICTED TO A SIX LOT SINGLE FAMILY RESIDENTIAL DEVELOPMENT HAVING A TOTAL OF 6 5. THE PROPOSED BUILDING ELEVATIONS FOR THE SUBJECT PROPERTY SHALL BE CONSISTENT WITH THOSE SUBMITTED ON OCTOBER 4

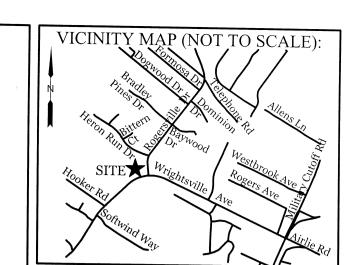
2016 AND IN ACCORDANCE WITH THE WRIGHTSVILLE CORRIDOR 2030 PLAN. 6. ALL EXISTING PROTECTED TREES NOT IMPACTED BY ESSENTIAL SITE IMPROVEMENTS SHALL BE PRESERVED OR MITIGATED. 7. ALL CITY, STATE AND FEDERAL REGULATIONS SHALL BE FOLLOWED.

Approved Construction Plan Public Services

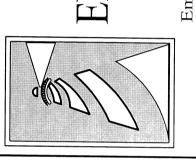
Engineering Division APPROVED DRAINAGE PLAN **Public Utilities**



Scale: 1"=30'

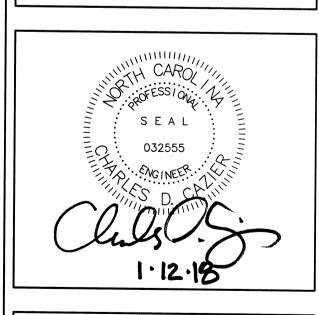


REVISIONS



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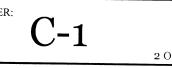
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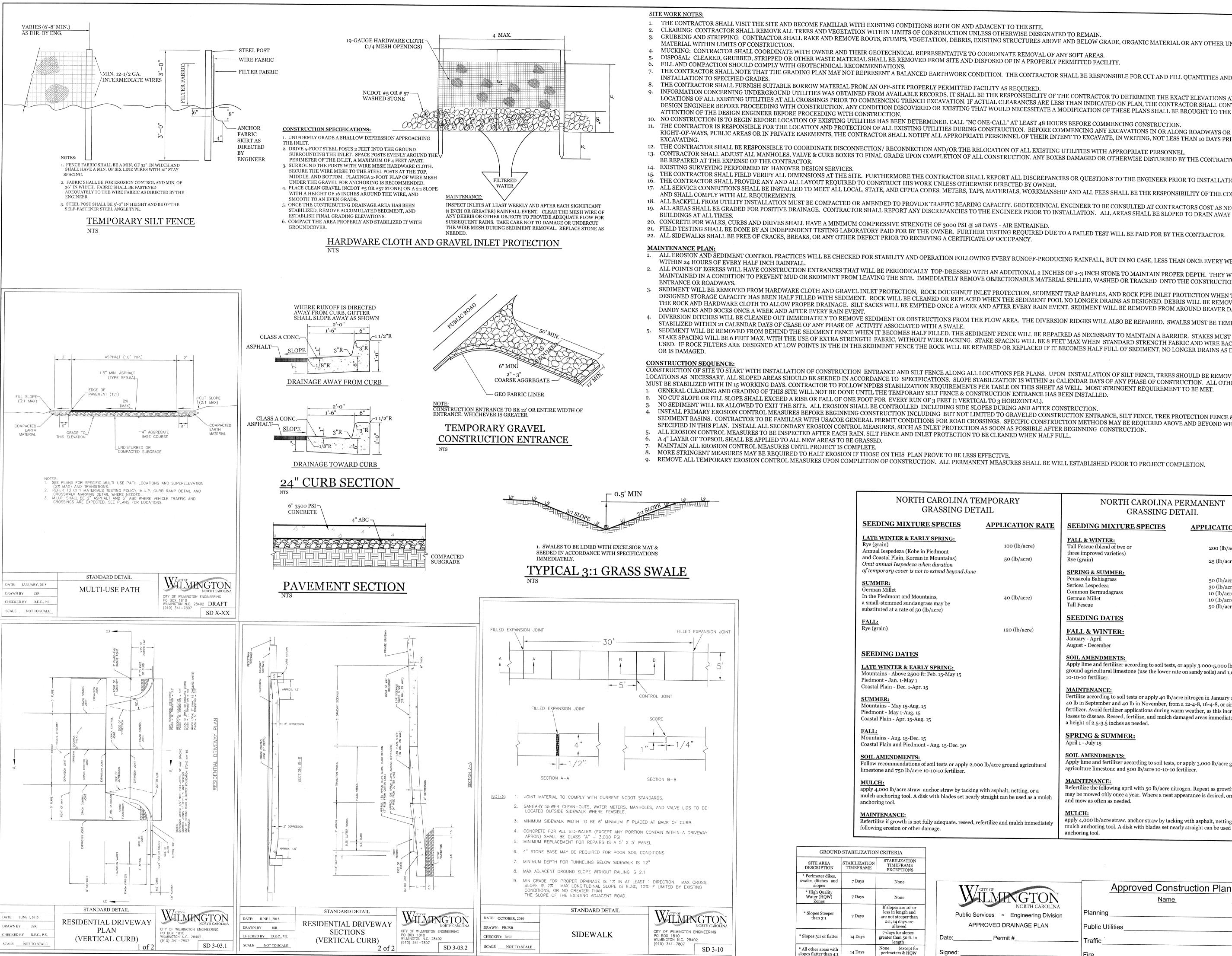


CLIENT INFORMATION: James Jackson Falls Valley II, L.L.C. 6204 Old Military Rd Wilmington, NC 28409 Ph. 910-547-6016

DRAWN:	JAE	SHEET SIZE:	24x36
CHECKED:	CDC	DATE:	1/12/2018
APPROVED:	CDC	SCALE:	1" = 30'
PROJECT NUMBER:		2017-026	

DRAWING NUMBER:





- 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.
- 3. GRUBBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE
- 4. 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.
- 7. 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
- 8. THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE PROPERLY PERMITTED FACILITY AS REQUIRED 9. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT ELEVATIONS AND LOCATIONS 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
- ATTENTION OF THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. 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 RIGHT-OF-WAYS, PUBLIC AREAS OR IN PRIVATE EASEMENTS, THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE PERSONNEL OF THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN 10 DAYS PRIOR TO
- 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
- 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
- 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.
- 1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.
- ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF 2-3 INCH STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED OR TRACKED ONTO THE CONSTRUCTION
- 3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION, SEDIMENT TRAP BAFFLES, AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS.
- DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT. 4. DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED
- CONSTRUCTION OF SITE TO START WITH INSTALLATION OF CONSTRUCTION ENTRANCE AND SILT FENCE ALONG ALL LOCATIONS PER PLANS. UPON INSTALLATION OF SILT FENCE, TREES SHOULD BE REMOVED IN LOCATIONS AS NECESSARY. ALL SLOPED AREAS SHOULD BE SEEDED IN ACCORDANCE TO SPECIFICATIONS. SLOPE STABILIZATION IS WITHIN 21 CALENDAR DAYS OF ANY PHASE OF CONSTRUCTION. ALL OTHER AREAS MUST BE STABILIZED WITH IN 15 WORKING DAYS. CONTRACTOR TO FOLLOW NPDES STABILIZATION REQUIREMENTS PER TABLE ON THIS SHEET AS WELL. MOST STRINGENT REQUIREMENT TO BE MET.
- 1. GENERAL CLEARING AND GRADING OF THIS SITE WILL NOT BE DONE UNTIL THE TEMPORARY SILT FENCE & CONSTRUCTION ENTRANCE HAS BEEN INSTALLED. 2. NO CUT SLOPE OR FILL SLOPE SHALL EXCEED A RISE OR FALL OF ONE FOOT FOR EVERY RUN OF 3 FEET (1 VERTICAL TO 3 HORIZONTAL).
- NO SEDIMENT WILL BE ALLOWED TO EXIT THE SITE. ALL EROSION SHALL BE CONTROLLED INCLUDING SIDE SLOPES DURING AND AFTER CONSTRUCTION.

Rye (grain)

SUMMER:

Rye (grain)

SUMMER:

SEEDING DATES

Piedmont - Jan. 1-May 1 Coastal Plain - Dec. 1-Apr. 15

Mountains - May 15-Aug. 15

Coastal Plain - Apr. 15-Aug. 15

Mountains - Aug. 15-Dec. 15

SOIL AMENDMENTS:

anchoring tool.

GROUND STABILIZATION CRITERIA

STABILIZATION

7 Days

7 Days

14 Days

14 Days

TIMEFRAME

SITE AREA

DESCRIPTION

Perimeter dikes,

swales, ditches and slopes

* High Quality Water (HQW)

* Slopes Steeper

* Slopes 3:1 or flatter

* All other areas with

Piedmont - May 1-Aug. 15

German Millet

Annual Iespedeza (Kobe in Piedmont

In the Piedmont and Mountains,

a small-stemmed sundangrass may be

LATE WINTER & EARLY SPRING:

Mountains - Above 2500 ft: Feb. 15-May 15

Coastal Plain and Piedmont - Aug. 15-Dec. 30

limestone and 750 lb/acre 10-10-10 fertilizer.

following erosion or other damage.

apply 4,000 lb/acre straw. anchor straw by tacking with asphalt, netting, or a

mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch

Refertilize if growth is not fully adequate. reseed, refertilize and mulch immediately

substituted at a rate of 50 (lb/acre)

- INSTALL PRIMARY EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRAVELED CONSTRUCTION ENTRANCE, SILT FENCE, TREE PROTECTION FENCE & SEDIMENT BASINS. CONTRACTOR TO BE FAMILIAR WITH USACOE GENERAL PERMIT CONDITIONS FOR ROAD CROSSINGS. SPECIFIC CONSTRUCTION METHODS MAY BE REQUIRED ABOVE AND BEYOND WHAT IS
- SPECIFIED IN THIS PLAN. INSTALL ALL SECONDARY EROSION CONTROL MEASURES, SUCH AS INLET PROTECTION AS SOON AS POSSIBLE AFTER BEGINNING CONSTRUCTION. 5. ALL EROSION CONTROL MEASURES TO BE INSPECTED AFTER EACH RAIN. SILT FENCE AND INLET PROTECTION TO BE CLEANED WHEN HALF FULL.
- 7. MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE.
- 8. MORE STRINGENT MEASURES MAY BE REQUIRED TO HALT EROSION IF THOSE ON THIS PLAN PROVE TO BE LESS EFFECTIVE
- 9. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. ALL PERMANENT MEASURES SHALL BE WELL ESTABLISHED PRIOR TO PROJECT COMPLETION.

NORTH CAROLINA TEMPORARY NORTH CAROLINA PERMANENT GRASSING DETAIL GRASSING DETAIL

SEEDING MIXTURE SPECIES APPLICATION RATE SEEDING MIXTURE SPECIES **APPLICATION RATE LATE WINTER & EARLY SPRING: FALL & WINTER:** 100 (lb/acre) Tall Fescue (blend of two or 200 (lb/acre) three improved varieties) and Coastal Plain, Korean in Mountains) 50 (lb/acre) Rye (grain) 25 (lb/acre) Omit annual Iespedeza when duration of temporary cover is not to extend beyond June SPRING & SUMMER: Pensacola Bahiagrass 50 (lb/acre) Sericea Lespedeza 30 (lb/acre) Common Bermudagrass 10 (lb/acre) 40 (lb/acre) German Millet 10 (lb/acre) Tall Fescue 50 (lb/acre)

SEEDING DATES

FALL & WINTER: January - April August - December

SOIL AMENDMENTS: Apply lime and fertilizer according to soil tests, or apply 3.000-5,000 lb/acre ground agricultural limestone (use the lower rate on sandy soils) and 1,000 lb/acre 10-10-10 fertilizer.

MAINTENANCE:

Fertilize according to soil tests or apply 40 lb/acre nitrogen in January or february, 40 lb in September and 40 lb in November, from a 12-4-8, 16-4-8, or similar turf fertilizer. Avoid fertilizer applications during warm weather, as this increases stand losses to disease. Reseed, fertilize, and mulch damaged areas immediately. mow to a height of 2.5-3.5 inches as needed.

SPRING & SUMMER:

April 1 - July 15

SOIL AMENDMENTS: Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural

agriculture limestone and 500 lb/acre 10-10-10 fertilizer.

Refertilize the following april with 50 lb/acre nitrogen. Repeat as growth requires. may be moved only once a year. Where a neat appearance is desired, omit sericea and mow as often as needed.

apply 4,000 lb/acre straw. anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch

N CRITERIA		
STABILIZATION TIMEFRAME EXCEPTIONS		
None	TT/7city of	Appro
None	WILMINGTON	7.6610
If slopes are 10' or less in length and are not steeper than	NORTH CAROLINA Public Services Engineering Division	Planning
2:1, 14 days are allowed	APPROVED DRAINAGE PLAN	Public Utilities
7-days for slopes greater than 50 ft. in length	Date: Permit #	Traffic
None (except for perimeters & HQW	Signed:	Fire

120 (lb/acre)

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Approved Construction Plan		
<u>Name</u> <u>Date</u>	. [С
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DRAWN: JAE | SHEET SIZE: 24x36 CHECKED CDC DATE: 1/12/2018 APPROVED: CDC | SCALE: NTS ROJECT NUMBER: 2017-026

CLIENT INFORMATION:

James Jackson

Falls Valley II, L.L.C.

6204 Old Military Rd.

Ph. 910-547-6016

Wilmington, NC 28409

SEAL

032555

DRAWING NUMBER:

REVISIONS

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