

100% CONSTRUCTION **DRAWINGS** NOT FOR CONSTRUCTION

LEGEND

-O-PP

IRON PIPE FOUND **IRON PIPE SET**

TRANSFORMER PAD

FIBER OPTIC PEDESTAL

TELEPHONE PEDESTAL

TELEPHONE MANHOLE

SANITARY SEWER MANHOLE

SANITARY SEWER CLEAN-OUT

STORM DRAIN MANHOLE

DROP INLET/CATCH BASIN

EXISTING CONTOURS

TREE PROTECTION FENCE

AREA TO BE DEMOLISHED

TREE TO BE REMOVED

STORM DRAIN

FIRE HYDRANT

WATER VALVE

WATER METER

POWER POLE LIGHT POLE **GUY/ANCHOR** \mathbf{m}

Bug-N-A-Rug Office

670 Wellington Ave.

910-262-6265

GROUP, P.A. SYING SERVICES

CULLIPHIEINER & SU

Wilmington, NC 28401

9/3/19 date drafter CMC CMC checked by PM2776~001 proj. no. revisions

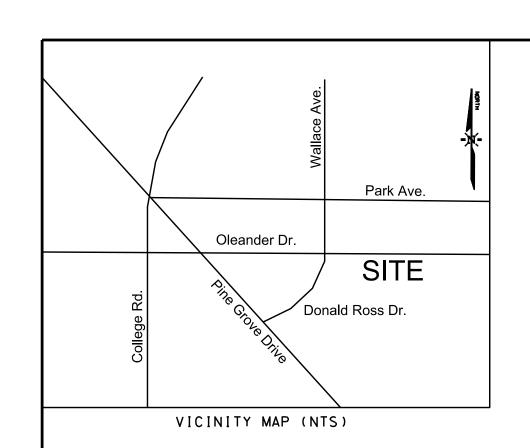
> **EXISTING CONDITIONS &** DEMOLITION PLAN

C1.0

WILMINGTON Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Permit #

Approved Construction Plan <u>Date</u> Planning Public Utilities Traffic

20 10 0 SCALE: 1'' = 20'



R06108-009-006-000 PARCEL ID: **CURRENT ZONING:** RO-RESIDENTIAL OFFICE CAMA LAND USE CLASSIFICATION: URBAN 5006 OLEANDER DR WILMINGTON, NC 28403 PROJECT ADDRESS: **CURRENT OWNER:** TAROKIC ANTE HELEN WILMINGTON, NC 28403 ±0.46 AC (19.960S.F.) TOTAL ACREAGE IN PROJECT BOUNDARY: BUILDING SIZE: ±1,750 S.F. BUILDING HEIGHT: (1 STORY) BUILDING SETBACKS: FRONT: SIDE: REAR: EXISTING=73' EXISTING=20' EXISTING=65' CALCULATION FOR BUILDING COVERAGE: PROPOSED COVEREAGE 1,750 S.F./19,900 S.F.=8.8% PROPOSED ONSITE IMPERVIOUS AREAS: CONCRETE SIDEWALK/PARKING 815 S.F. 815 S.F. TOTAL ONSITE IMPERVIOUS AREAS:
PROPOSED ONSITE IMPERVIOUS AREA
EX. ONSITE IMP. AREA TO REMAIN
TOTAL 2,250 S.F. 3,065 S.F. (14.0%) PROPOSED ONSITE PERVIOUS AREAS:
GRAVEL PARKING AREA 3.860 S.F. (100% PERVIOUS) 234 S.F. (100% PERVIOUS) WOOD WALKWAYS/RAMPS PROPOSED OFFSITE IMPERVIOUS AREAS: CONCRETE SIDEWALK 475 S.F. PARKING REQUIRED 1 SPACE/300 S.F. = 6 SPACES (1 H.C.) 1 SPACE/200 S.F. = 8 SPACES (1 H.C.) MIN: PARKING PROVIDED: 7 SPACES (1 H.C.) FOUNDATION PLANTINGS: (52 LF X 10' FACADE X 12%) REQUIRED: PROVIDED: MAX WIDTH) STREETYARD REQUIREMENT: (9' MIN & 27' 1,800 S.F. 1,800 S.F. REQUIRED: 100 LF X 18= EXISTING SEWER AND WATER DEMAND: 360 GPD PROPOSED SEWER AND WATER DEMAND: @ 25 GAL/PERSON= 125 GPD

DEVELOPMENT NOTES:

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

UTILITY NOTES:

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, CATY, 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 NCDENR HAS ISSUED THEIR "FINAL APPROVAL". (CALL 343-3910 FOR INFORMATION.

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

WATER & SEWER SERVICES CANNOT BE ACTIVATED ON NEW MAINS UNTIL THE ENGINEER'S CERTIFICATION AND AS-BUILTS ARE RECEIVED AND "FINAL APPROVAL" ISSUED BY THE PUBLIC WATER SUPPLY SECTION OF NCDENR, AND "FINAL ENGINEERING CERTIFICATION" ISSUED BY DIVISION OF WATER QUALITY SECTION OF NCDENR.

IF CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION, HE/SHE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONG (RP2) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.

WHEN PYC 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 O BE ACCESSIBLE IN ALL VALVES AND METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.

THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF NAY UTILITIES DURING CONSTRUCTION. CALL U-LOCO AT 1-800-632-4949. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF NAY UTILITIES. CURB & GUTTER, PAVEMENT, ETC. THAT ME BE DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE OUALITY OR WORKMANSHIP FOUND IN THE ORIGINAL ITEM.

THE PROCESS FOR TELEPHONE CABLE PLACEMENT: #FINAL GRADE WILL BEED TO BE ESTABLISHED. #POWER WILL PLACE THEIR CABLE FIRST - APPROXIMATELY 2' DEEP.

SOLID WASTE DISPOSAL BY COW CURBSIDE SERVICE.

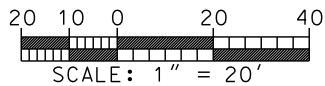
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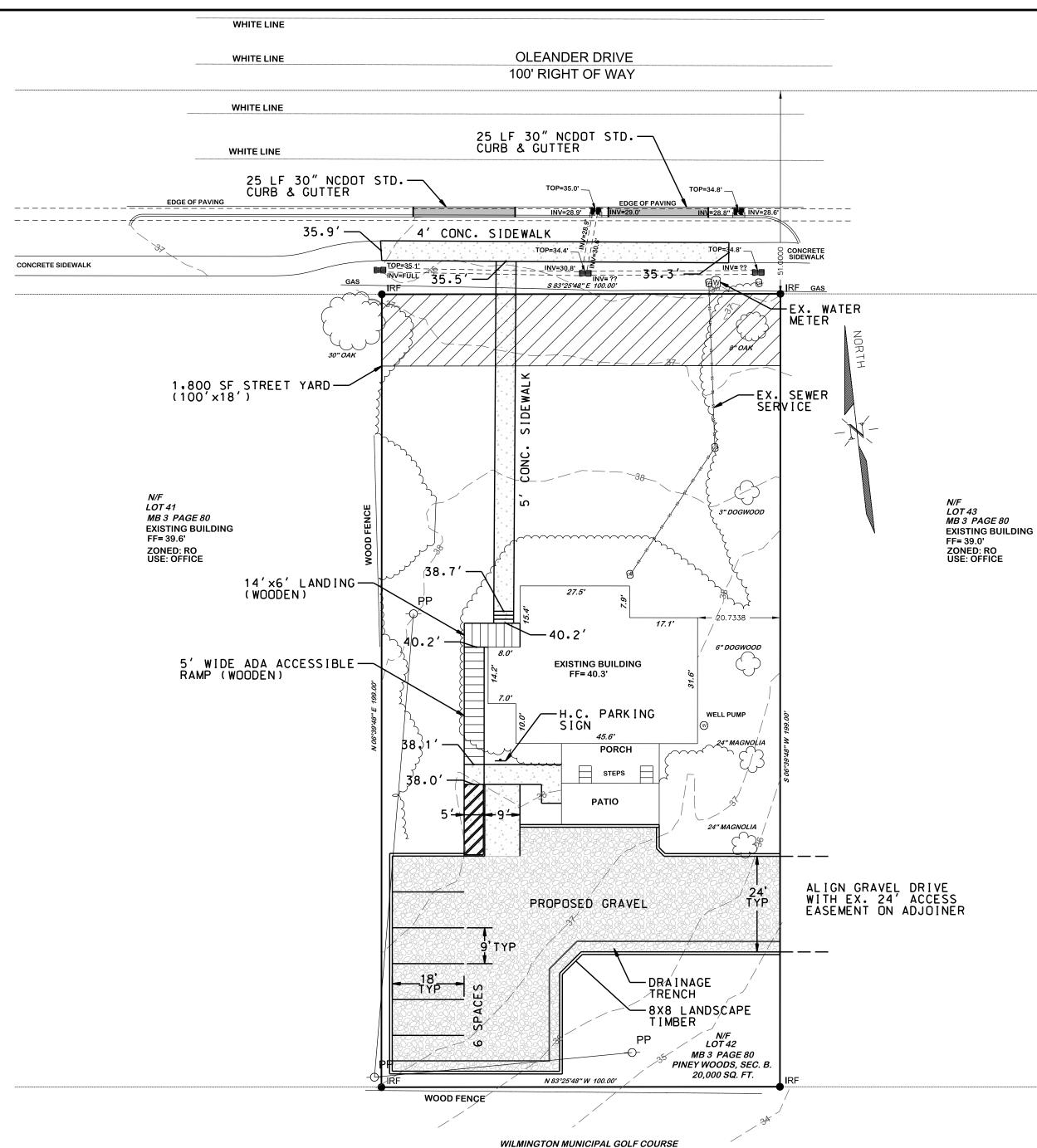
GENERAL TRAFFIC NOTES:

ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS. [DETAIL SD 15-13 COFW TECH STDS]
ALL SIGNS AND PAVEMENT MARKINGS OFF RIGHTS-OF-WAY ARE TO MEET/BE MAINTAINED TO MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS. [DETAIL SD 15-13 COFW TECH STDS]
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.
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.
ALL PROPOSED VEGETAION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30" TO 10'.

FIRE & SAFETY NOTES:

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





PARID R06100-004-001-000

Approved Construction Plan

Planning

Traffic

Public Utilities

MINGTON

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

CONSTRUCTION **DRAWINGS** NOT FOR CONSTRUCTION

LEGEND

-O-_

IRON PIPE FOUND **IRON PIPE SET**

DROP INLET/CATCH BASIN

STORM DRAIN

FIRE HYDRANT

WATER VALVE

WATER METER

EXISTING CONTOURS

PROPOSED GRAVEL

PROPOSED CONCRETE

PROPOSED STREET YARD

POWER POLE

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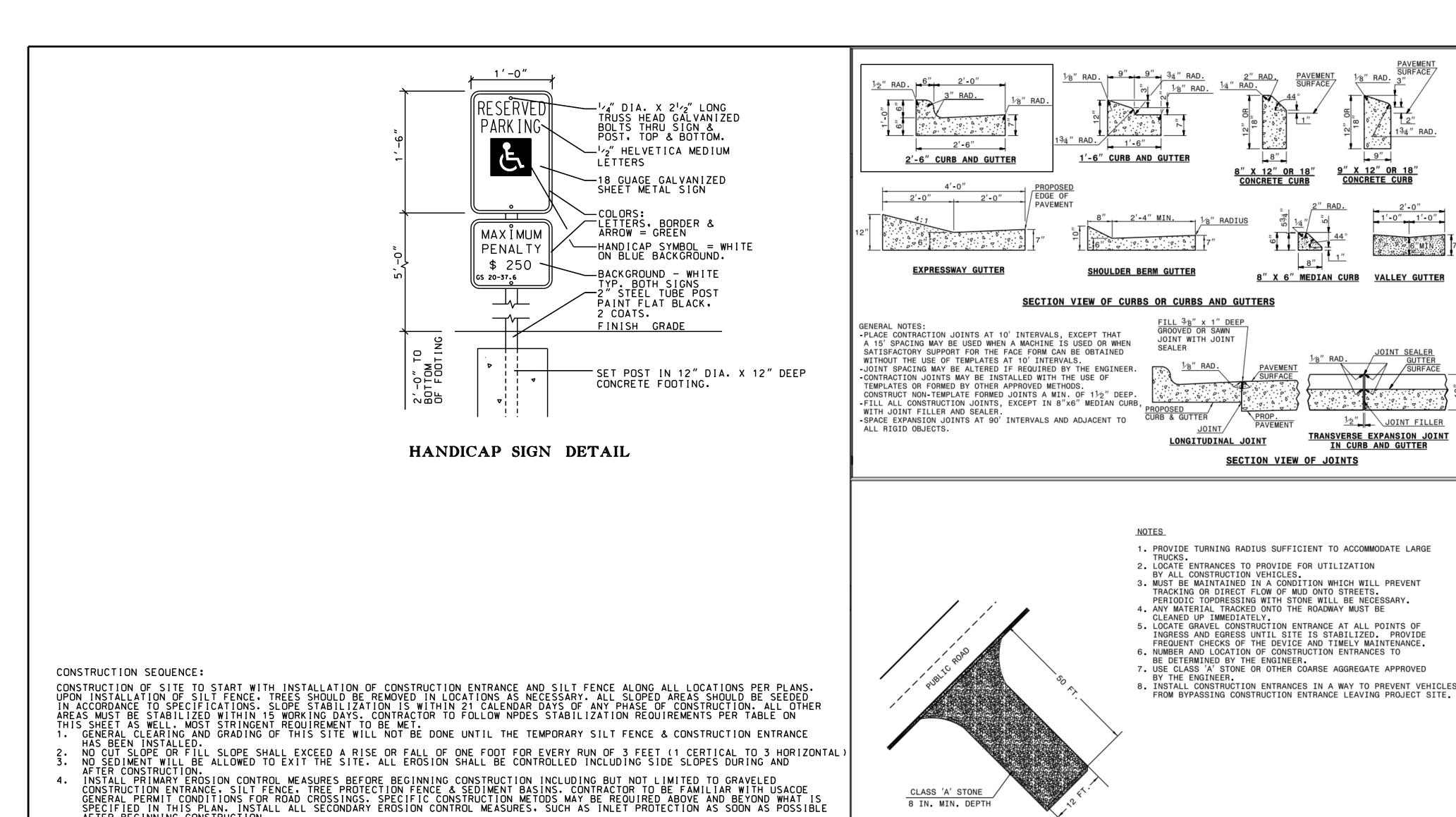
GR

CULLIPHIENERING & SU

Wilmington, NC 28401

POWER POLE		
LIGHT POLE		
GUY/ANCHOR	date	9/3/19
TRANSFORMER PAD	drafter	CMC
FIBER OPTIC PEDESTAL	checked	by CMC
TELEPHONE PEDESTAL	proj. no.	PM2776~001
TELEPHONE MANHOLE	revision	S
SANITARY SEWER MANHOLE		
SANITARY SEWER CLEAN-OUT		
STORM DRAIN MANHOLE		

SITE, GRADING DRAINAGE & **UTILITIES PLAN**



AFTER BEGINNING CONSTRUCTION.
ALL EROSION CONTROL MEASURE TO BE INSPECTED AFTER EACH RAIN. SILT FENCE AND INLET PROTECTION TO BE CLEANED WHEN HALF

FULL.
A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW AREAS TO BE GRASSED.
MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE.
MORE STRINGENT MEASURES MAY BE REQUIRED TO HALT EROSION IF THOSE ON THIS PLAN PROVE TO BE LESS EFFECTIVE.
REMOVE ALL TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. ALL PERMANENT MEASURES SHALL BE WELL
ESTABLISHED PRIOR TO PROJECT COMPLETION.

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

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 MAINITAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, 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 AROUND BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.

DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGE 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 STRENGHT FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.

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.

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

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 DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. ANY

CONDITION DISCOVERED OR EXISTING THAT WOULD NECESSITATE A MODIFICATION OF THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN

ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.

NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NC ONE-CALL" AT LEAST 48 HOURS BEFORE

COMMENCING CONSTRUCTION.

COMMENCING CONSTRUCTION.

COMMENCING CONSTRUCTION.

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 EXCAVATING.

THE CONTRACTOR SECONDEL BE RESPONSIBLE TO COORDINATE DISCONNECTION/RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH

APPROPRIATE PERSONNEL.

APPROPRIATE PERSONNEL.

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.

EXISTING SURVEYING PERFORMED BY NORRIS & WARD LAND SURVEYORS C-1037.

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

THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAYOUT REQUIRED TO CONSTRUCT HIS/HER WORK UNLESS OTHERWISE DIRECTED BY OWNER.

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.

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.

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

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

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.

SITE WORK NOTES:

SITE WORK NOTES:

APPROPRIATE PERSONNEL.

SOCIATED WITH A SWALE.

CLASS 'A' STONE

8 IN. MIN. DEPTH

SEEDING SCHEDULE

" GRID REINFORCEMENT

DRAWN BY JSR/CMR

CHECKED BY B.P., P.E.

846.01

1607 01

CALE NOT TO SCALE

1" DIA ROD

SECTION A-A

TYPICAL UNPAVED

PARKING FACILITY

UNDER 25 STALLS

9"

CONCRETE CURB

? У ~ 6"MIN

JOINT FILLER

TRANSVERSE EXPANSION JOINT

IN CURB AND GUTTER

NOTE: PLACE GEOTEXTILE FOR DRAINAGE BENEATH STONE

SEED BED PREPARATION

LIME----- 2 TONS/AC

PRESSURE TREATED LUMBER,OR CONCRETE PERIMETER BORDER AND WHEEL STOP

10-10-10 ----- 1,000 LBS/AC

VILMINGTON

SD 15-10

CITY OF WILMINGTON ENGINEERING

DATE: OCTOBER, 2010

DRAWN: PB/JSR

CHECKED: DEC

SCALE NOT TO SCALE

SURFACE ROUGHENING: IF RECENT TILLAGE OPERATIONS HAVE RESULTED IN A LOOSE SURFACE, ADDITIONAL ROUGHENING MAY NOT BE REQUIRED EXCEPT TO BREAK UP LARGE CLODS. IF RAINFALL CAUSES THE SURFACE TO BECOME SEALED OR CRUSTED, LOOSEN IT JUST PRIOR TO SEEDING BY DISKING, RAKING OR HARROWING, GROOVE OR FURROW SLOPES STEEPER THAN 3:1 ON THE CONTOUR BEFORE SEEDING.

TEMPORARY SEEDING MIXTURE

(DECEMBER 1 -APRIL 15)

RYE (GRAIN)----- 120 LBS/AC

KOBE LESPEDEZA (SCARIFIED)---50 LBS/AC (OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT

TO EXTEND BEYOND JUNE) (APRIL 15 -AUGUST 15)

GERMAN MILLET----- 40 LBS/AC

(AUGUST 15- DECEMBER 30)

RYE (GRAIN)----- 25 LBS/AC (IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15.

OVERSEED WITH 50LB/AC KOBE.)

PERMANENT SEEDING MIXTURE TALL FESCUE----- 60 LBS/AC

PENSACOLA BAHIAGRASS----- 50 LBS/AC

SERICEA LESPEDEZA----- 30 LBS/AC KOBE LESPEDEZA----- 10 LBS/AC

1. FROM SEPTEMBER 1 - MARCH 1. USE UNSCARIFIED SERICEA SEED

2. ON POORLY DRAINED SITES OMIT SERICEA AND INCREASE KOBE TO 30 LBS/AC

3. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA AND

INCREASE KOBE TO 40 LBS/AC.

4. BETWEEN APRIL 15 AND AUGUST 15. ADD 10 LB/AC GERMAN MILLET OR 15 LB/AC SUDANGRASS. PRIOR TO MAY 1 OR AFTER AUG 15. ADD 25 LB/AC RYE (GRAIN).

PERMANENT SEEDING MIXTURE (SWALES & DITCHES) COMMON BERMUDAGRASS----- 80 LBS/AC

MULCHING

STRAW(WHEAT, OATS, BARLEY, RYE) ---- 1-2 TONS/AC (AFTER SEEDING) (STRAW QUALITY SHALL BE DRY, UNCHOPPED & UNWEATHERED)

ASPHALT TACK------200 GAL./TON OF MULCH

- 1. APPLY 4000 LB/AC STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.
- 2. A CHANNEL LINING MATERIAL (SEE DETAIL BELOW) SHALL COVER THE BOTTOM OF SWALES & DITCHES. THE LINING SHALL EXTEND ABOVE THE HIGHEST DEPTH OF FLOW WITHIN GIVEN CHANNEL. ON CHANNEL SIDE SLOPES ABOVE THIS HEIGHT APPLY STRAW AS PREVIOUSLY INSTRUCTED.

MAINTENANCE

IF GROWTH IS LESS THAN FULLY ADEQUATE. REFERTILIZE IN THE SECOND YEAR WITH 500 LB/AC 10-10-10 FERTILIZER. MOW AS NEEDED WHEN SERICEA IS OMITTED FROM THE MIXTURE. RESEED. FERTILIZE AND MULCH DAMAGED AREAS IMMEDIATELY.

NC HIGHW, SHEAD CITY, 773-0090

Bug-N-A-Rug Office 670 Wellington Ave. Wilmington, NC 28401

910-262-6265

FILLED EXPANSION JOI

1/4

CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON N.C. 28402 (910) 341-7807

SD 3-10

SECTION B-B

FILLED EXPANSION JOINT

→|**→** 1

JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.

5. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL

7. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12"

8. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1

6. 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS

SIDEWALK

SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.

4. CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY

MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 8.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

3. MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.

SECTION A-A

CONSTRUCTION **DRAWINGS** NOT FOR CONSTRUCTION

> 9/3/19 CMC drafter CMC checked by PM2776~001 proj. no. revisions

> > DETAILS