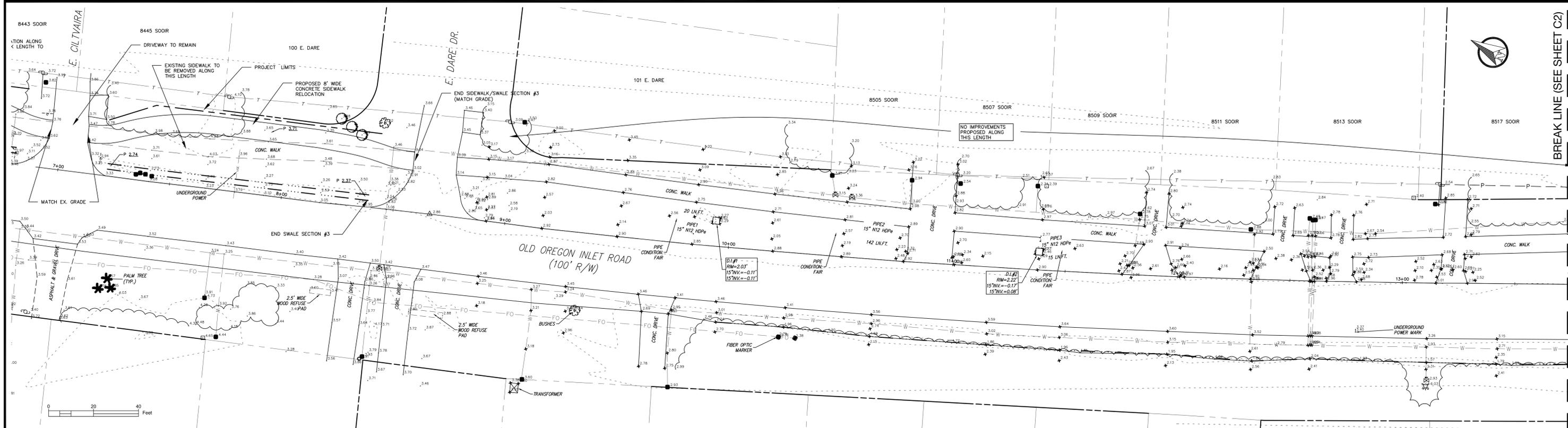


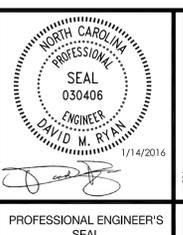
BREAK LINE (SEE BELOW)



BREAK LINE (SEE SHEET C2)

1	1/14/16	ISSUED FOR CONSTRUCTION	DMR	1/14/16
NO.	DATE	REVISION	APPROV	DATE

NAME	DATE
DRAWN BY: DMR	10/9/15
DESIGNED BY: TNH	10/9/15
CHECKED BY: DMR	10/9/15
RECORD DWG:	



Signature: _____
Date: _____

CONSTRUCTED BY: _____
Company Name: _____ Date: _____

FINAL RECORD DRAWING BY: _____
Company Name: _____
Signature: _____ Date: _____

FISCAL YEAR 2015/2016
DEPARTMENT OF PUBLIC WORKS

RELEASED FOR CONSTRUCTION



TOWN OF NAGS HEAD
DEPARTMENT OF PUBLIC WORKS
P.O. BOX 99
NAGS HEAD, NC 27959
252.441.1122 • www.nagsheadnc.gov
CAPITAL IMPROVEMENT PROJECT FY 15/16
S. NAGS HEAD MP18
DRAINAGE MAINTENANCE

DRAWING TITLE:
PLAN SHEET
STA 0+00 - STA 13+73

SCALE: 1"=20'
ISSUE DATE: 11/18/2015

DRAWING NO.: C-2
SHEET NO.: SHEET 2 OF 4

CONSTRUCTION SEQUENCE

CONSTRUCTION ACTIVITY SCHEDULE CONSIDERATION
 CONSTRUCTION ACCESS- FIRST LAND-DISTURBING
 CONSTRUCTION ENTRANCE ACTIVITY-STABILIZE BARE AREAS
 CONSTRUCTION ROUTES, EQUIPMENT IMMEDIATELY WITH GRAVEL &
 PARKING AREAS TEMPORARY VEGETATION AS
 CONSTRUCTION TAKES PLACE.

SEDIMENT TRAPS & BARRIERS INSTALL PRINCIPAL BASINS AFTER
 BASIN TRAPS, SEDIMENT FENCES, & CONSTRUCTION SITE IS ACCESSED.
 OUTLET PROTECTION INSTALL ADDITIONAL TRAPS AND
 BARRIERS AS NEEDED DURING
 GRADING.

RUNOFF CONTROL- INSTALL KEY PRACTICES AFTER
 DIVERSIONS, PERIMETER DIKES, PRINCIPAL SEDIMENTS TRAPS AND
 WATER BARS, AND OUTLET BEFORE LAND GRADING. INSTALL
 PROTECTION ADDITIONAL RUNOFF-CONTROL
 MEASURES DURING
 GRADING.

RUNOFF CONVEYANCE SYSTEM- WHERE NECESSARY, STABILIZE
 STABILIZE STREAMBANKS, STORM STREAMBANKS AS EARLY AS POSSIBLE.
 DRAINS, CHANNELS, INLET & OUTLET INSTALL PRINCIPAL RUNOFF
 PROTECTION, SLOPE DRAINS CONVEYANCE SYSTEM WITH
 RUNOFF-CONTROL MEASURES. INSTALL
 REMAINDER OF SYSTEM AFTER
 GRADING.

LAND CLEARING & GRADING- BEGIN MAJOR CLEARING AND GRADING
 SITE PREPARATION- CUTTING, FILLING AFTER PRINCIPAL & KEY
 & GRADING, SEDIMENT TRAPS, RUNOFF-CONTROL MEASURES ARE
 BARRIERS, DIVERSIONS, DRAINS, INSTALLED. CLEAR BORROW & DISPOSAL
 SURFACE ROUGHENING AREAS AS NEEDED. INSTALL ADDITIONAL
 CONTROL MEASURES AS GRADING
 PROGRESSES, MARK TREES & BUFFER
 AREAS FOR PRESERVATION.

SURFACE STABILIZATION- APPLY TEMPORARY OR PERMANENT
 TEMPORARY & PERMANENT SEEDING STABILIZATION MEASURES IMMEDIATELY
 MULCHING, SODDING, RIPRAP. ON ALL DISTURBED AREAS WHERE
 WORK IS DELAYED OR COMPLETE.

BUILDING CONSTRUCTION- INSTALL NECESSARY EROSION &
 BUILDINGS, UTILITIES, PAVING. SEDIMENTATION CONTROL PRACTICES
 AS WORK TAKES PLACE.

LANDSCAPING & FINAL STABILIZATION- STABILIZE ALL OPEN AREAS, INCLUDING
 TOPSOILING, TREES & SHRUBS. BORROW & SPOIL AREAS. REMOVE &
 PERMANENT SEEDING, MULCHING, STABILIZE ALL TEMPORARY CONTROL
 SODDING, RIPRAP MEASURES.

LAND GRADING CONSTRUCTION SPECIFICATIONS

- CONSTRUCT & MAINTAIN ALL EROSION & SEDIMENTATION CONTROL PRACTICES & MEASURES IN ACCORDANCE WITH THE APPROVED SEDIMENTATION CONTROL PLAN AND CONSTRUCTION SCHEDULE.
 - REMOVE GOOD TOPSOIL FROM AREAS TO BE GRADED AND FILLED, AND PRESERVE IT FOR USE IN FINISHING THE GRADING OF ALL CRITICAL AREAS.
 - SCARIFY AREAS TO BE TOPSOILED TO A MINIMUM DEPTH OF 2 INCHES BEFORE PLACING TOPSOIL.
 - CLEAR & GRUB AREAS TO BE FILLED TO REMOVE TREES, VEGETATION, ROOTS, OR OTHER OBJECTIONABLE MATERIAL THAT WOULD AFFECT THE PLANNED STABILITY OF FILL.
 - ENSURE THAT FILL MATERIAL IS FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER MATERIALS INAPPROPRIATE FOR CONSTRUCTING STABLE FILLS.
 - PLACE ALL FILL IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS, AND COMPACT THE LAYERS AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, OR OTHER RELATED PROBLEMS.
 - DO NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL SLOPES.
 - DO NOT PLACE FILL ON A FROZEN FOUNDATION, DUE TO POSSIBLE SUBSIDENCE AND SLIPPAGE.
 - KEEP DIVERSIONS AND OTHER WATER CONVEYANCE MEASURES FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
 - HANDLE SHEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION IN ACCORDANCE WITH APPROVED METHODS.
 - PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES WITHIN 7 CALENDER DAYS, FOLLOWING COMPLETION OF ANY PHASE OF GRADING; AND, A PERMANENT GROUND COVER FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR 90 CALENDER DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
 - PROVIDE ADEQUATE PROTECTION FROM EROSION FOR ALL TOPSOIL STOCKPILES, BORROW AREAS, AND SPOIL AREAS.
- MAINTENANCE**
 PERIODICALLY CHECK ALL GRADED AREAS & THE SUPPORTING EROSION & SEDIMENTATION CONTROL PRACTICES. AT A MINIMUM OF ONCE A WEEK AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN HALF AN INCH. PROMPTLY REMOVE ALL SEDIMENT FROM DIVERSIONS AND OTHER WATER-DISPOSAL PRACTICES. IF WASHOUTS OR BREAKS OCCUR, REPAIR THEM IMMEDIATELY. PROMPT MAINTENANCE OF SMALL-ERODED AREAS BEFORE THEY BECOME SIGNIFICANT GULLIES IS AN ESSENTIAL PART OF AN EFFECTIVE EROSION & SEDIMENTATION CONTROL PLAN. IMMEDIATE CORRECTIVE ACTION MUST BE TAKEN FOR ANY DEVICE FAILURE. IF SEDIMENT HAS BEEN OBSERVED TO HAVE BEEN DEPOSITED IN A STREAM OR WETLAND, THE DIVISION OF WATER QUALITY MUST BE NOTIFIED WITHIN 24 HOURS AND A WRITTEN NOTICE PROVIDED WITHIN 5 DAYS.

PERMANENT SEEDING

THE PURPOSE OF PERMANENT SEEDING IS TO REDUCE EROSION AND DECREASE SEDIMENT YIELD FROM DISTURBED AREAS, AND TO PERMANENTLY STABILIZE SUCH AREAS IN A MANNER THAT IS ECONOMICAL, ADAPTS TO SITE CONDITIONS, AND ALLOWS SELECTION OF THE MOST APPROPRIATE PLANT MATERIALS. THESE AREAS MUST BE SEEDD OR PLANTED WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS AFTER FINAL GRADE IS REACHED, WHEN TEMPORARY STABILIZATION IS APPLIED. OTHERWISE STABILIZATION MUST OCCUR WITHIN 7 DAYS.

PERMANENT SEEDING SPECIFICATIONS
 SEEDING RECOMMENDATIONS FOR SUMMER SEEDING DATES- APRIL TO JULY
 SEEDING MIXTURE
 SPECIES RATE
 COMMON BERMLUDAGRASS 101,000 SF (SPRIGS)
 1-2 LB/1,000 SF (SEED)

SEEDING NOTES-
 1. SPRIG OR SOD, MOISTURE IS ESSENTIAL DURING INITIAL ESTABLISHMENT.
 SOD MUST BE KEPT WATERED FOR 2-3 WEEKS, BUT CAN BE PLANTED EARLIER OR LATER THAN SPRIGS.

SOIL AMENDMENTS-
 APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS OR APPLY
 3,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 500 LB/ACRE
 10-10-10 FERTILIZER, OR 50 LB/ACRE NITROGEN FROM URF-TYFE SLOW-RELEASE FERTILIZER, ADD 25-50 LB/ACRE NITROGEN AT 2-3 WEEK INTERVALS THROUGH MIDSUMMER.

SPRIGGING-
 PLANT SPRIGS IN FURROWS WITH A TRACTOR-DRAWN TRANSPLANTER, OR BROADCAST BY HAND.

FURROWS SHOULD BE 4-6 INCHES DEEP AND 2 FEET APART. PLACE SPRIGS ABOUT 2 FT. APART IN A ROW WITH ONE END AT OR ABOVE GROUND LEVEL.

BROADCAST AT RATES SHOWN ABOVE, AND PRESS SPRIGS INTO THE TOP 1/2-2 INCHES OF SOIL WITH A DISK SET STRAIGHT SO THAT SPRIGS ARE NOT BROUGHT BACK TOWARD THE SURFACE.

MULCH-
 DO NOT MULCH.

MAINTENANCE-
 WATER AS NEEDED AND MOW TO 3/4 TO 1-INCH HEIGHT. TOPDRESS WITH 40 LB/ACRE NITROGEN IN APRIL, 50 LB IN MAY, 50 LB IN JUNE, 50 LB IN JULY, AND 25 LB IN AUGUST.

TEMPORARY SEEDING

THE PURPOSE OF TEMPORARY SEEDING IS TO TEMPORARILY STABILIZE DENUDED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN 7 CALENDAR DAYS

TEMPORARY SEEDING SPECIFICATIONS
 SEEDING RECOMMENDATIONS FOR LATE WINTER & EARLY SPRING SEEDING DATES- DECEMBER 1 TO APRIL 15
 SEEDING MIXTURE
 SPECIES RATE (LB/ACRE)
 WINTER RYE (GRAIN) 120 (ANNUAL RYEGRASS SHALL NOT BE USED)
 ANNUAL LESPEDEZA 50 (KOBE)
 *OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE

SOIL AMENDMENTS-

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH-
 APPLY 4,000-LB/ACRE STRAW, ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH-ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH-ANCHORING TOOL.

MAINTENANCE-

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

SEEDING RECOMMENDATIONS FOR SUMMER

SEEDING DATES- APRIL 15 TO AUGUST 15
 SEEDING MIXTURE
 SPECIES RATE (LB/ACRE)
 GERMAN MILLET 40

SOIL AMENDMENTS-
 FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH-

APPLY 4,000-LB/ACRE STRAW, ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH-ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH-ANCHORING TOOL.

MAINTENANCE-

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

SEEDING RECOMMENDATIONS FOR FALL

SEEDING DATES- AUGUST 15 TO DECEMBER 30
 SEEDING MIXTURE
 SPECIES RATE (LB/ACRE)
 WINTER RYE (GRAIN) 120

SOIL AMENDMENTS-
 FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER.

MULCH-
 APPLY 4,000-LB/ACRE STRAW, ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH-ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH-ANCHORING TOOL.

MAINTENANCE-
 REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY, TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE KOBE LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

SODDING

THE PURPOSE OF PERMANENT SEEDING IS TO PREVENT EROSION AND DAMAGE FROM SEDIMENT AND RUNOFF BY STABILIZING THE SOIL SURFACE WITH PERMANENT VEGETATION FOR THE PURPOSE OF:
 -THE PROVISION OF IMMEDIATE VEGETATIVE COVER IN CRITICAL AREAS
 -TO STABILIZE DISTURBED AREAS WITH A SUITABLE PLANT MATERIAL THAT CANNOT BE ESTABLISHED BY SEED.
 -TO STABILIZE DRAINAGEWAYS & CHANNELS AND OTHER AREAS OF CONCENTRATED FLOW WHERE FLOW VELOCITIES WILL NOT EXCEED THAT SPECIFIED GRASS LINING.

SODDING SPECIFICATIONS

SOD QUALITY
 -SOD SHOULD BE MACHINE CUT AT A UNIFORM DEPTH OF 1/2-2 INCHES
 -SOD SHOULD NOT HAVE BEEN CUT IN EXCESSIVELY WET OR DRY WEATHER.
 -SECTIONS OF SOD SHOULD BE STANDARD SIZE AS DETERMINED BY THE SUPPLIER, UNIFORM, AND UNIFORM.
 -SECTIONS OF SOD SHOULD BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN LIFTED BY ONE END.
 -HARVEST, DELIVERY, AND INSTALLATION OF SOD SHOULD TAKE PLACE WITHIN A PERIOD OF 36 HOURS.

SOIL AMENDMENTS-

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS OR APPLY 2 TONS/ACRE OF PULVERIZED AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER IN THE FALL, OR 5-10-10 IN SPRING.

PRIOR TO LAYING SOD, CLEAR THE SOIL SURFACE OF TRASH, DEBRIS, ROOTS, BRANCHES, STONES, AND CLODS LARGER THAN 2 INCHES IN DIAMETER. FILL OR LEVEL LOW SPOTS IN ORDER TO AVOID STANDING WATER, RAKE OR HARROW THE SITE TO ACHIEVE A SMOOTH AND LEVEL FINAL GRADE. COMPLETE SOIL PREPARATION BY ROLLING OR CULTIPACKING TO FIRM SOIL.

SOD INSTALLATION-

- MOISTENING THE SOD AFTER IT IS UNROLLED HELPS MAINTAIN VIABILITY.
- RAKE THE SOIL SURFACE TO BREAK THE CRUST JUST BEFORE LAYING SOD. DURING THE SUMMER, LIGHTLY IRRIGATE THE SOIL IMMEDIATELY BEFORE LAYING SOD TO SOIL THE SOIL AND REDUCE ROOT BURNING & DIEBACK.
- DO NOT SOD ON GRAVE, FROZEN SOILS, OR SOILS THAT HAVE BEEN TREATED RECENTLY WITH STERILANTS OR HERBICIDES.
- LAY THE FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND BUTTING TIGHTLY AGAINST EACH OTHER. STAGGER STRIPS IN A BRICK-LIKE PATTERN. BE SURE THAT THE SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHTLY TO PREVENT VOIDS, USE A KNIFE OR SHARP SPADE TO TRIM AND FIT IRREGULAR SHAPED AREAS.
- INSTALL STRIPS OF SOD WITH THEIR LONGEST DIMENSION PERPENDICULAR TO THE SLOPE. ON SLOPES OF 3:1 OR GREATER, OR WHEREVER EROSION MAY BE A PROBLEM, SECURE SOD WITH PEGS OR STAPLES.
- AS SODDING OF CLEARLY DEFINED AREAS IS COMPLETED, ROLL SOD TO PROVIDE GOOD CONTACT BETWEEN ROOTS AND SOIL.
- AFTER ROLLING, IRRIGATE UNTIL THE SOIL IS WET 4 INCHES BELOW THE SOD.
- KEEP SODDED AREAS MOIST TO A DEPTH OF 4 INCHES UNTIL THE GRASS TAKES ROOT. THIS CAN BE DETERMINED BY TUGGING ON THE SOD.
- MOWING SHOULD NOT BE ATTEMPTED UNTIL THE SOD IS FIRMLY ROOTED, USUALLY 2-3 WEEKS.

SODDED WATERWAYS

- PREPARE SOIL AS DESCRIBED ABOVE.
- LAY SOD STRIPS PERPENDICULAR TO THE DIRECTION OF FLOW, WITH THE LATERAL JOINTS STAGGERED IN A BRICK-LIKE PATTERN, BUT EDGES TIGHTLY TOGETHER.

MAINTENANCE-

AFTER THE FIRST WEEK, WATER AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE IN THE ROOT ZONE & PREVENT DORMANCY OF THE SOD.

DO NOT REMOVE MORE THAN ONE-THIRD OF THE SHOOT IN ANY ONE MOWING. GRASS HEIGHT SHOULD BE MAINTAINED BETWEEN 2-3 INCHES UNLESS OTHERWISE SPECIFIED.

AFTER FIRST GROWING SEASON, ESTABLISHED SOD REQUIRES FERTILIZATION, AND MAY ALSO REQUIRE LIME. FOLLOW SOIL TEST RECOMMENDATIONS.

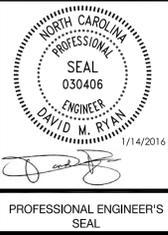
GENERAL CONSTRUCTION NOTES

- ACCESS TO SITES SHALL BE BY PUBLIC RIGHT-OF-WAYS AND UTILITY EASEMENTS. OTHER ACCESS LOCATIONS REQUIRED SHALL BE SECURED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. SUPPLEMENTAL EROSION CONTROL MEASURES SHALL BE REQUIRED TO INCLUDE CONSTRUCTION ENTRANCES, SILT FENCING, RESTORATION, ETC. ADDITIONAL MEASURES SHALL BE INCLUDED AS PART OF A SUPPLEMENTAL EROSION CONTROL PLAN PREPARED BY THE CONTRACTOR.
- THE CONTRACTOR WILL BE PROVIDED THE CONSTRUCTION STAGING AREA AT OWNERS EXPENSE.
- THE CONTRACTOR IS EXPECTED AND REQUIRED TO COOPERATE WITH THE PROPERTY OWNERS AFFECTED BY THE WORK.
- CONTRACTOR SHALL MAINTAIN A NEAT AND CLEAN JOB-SITE TO INCLUDE STAGING/STORAGE AREAS AS FOLLOWS:
 - PERFORM DUST CONTROL BY WATERING DAILY OR AS DIRECTED BY THE ENGINEER.
 - SWEEP STREETS A MINIMUM OF ONCE WEEKLY (FRIDAY) OR AS DIRECTED BY THE ENGINEER.
 - RAKE, LEVEL AND RE-COMPACT ALL EXPOSED TRENCHES WEEKLY OR AS DIRECTED BY THE ENGINEER TO PRODUCE A SMOOTH "RIDE".
 - PERFORM DAILY CLEAN-UP OF ALL DIRT, DEBRIS AND SCRAP MATERIALS.
 - REMOVE EXCESS EQUIPMENT, MATERIALS, TOOLS, ETC. NOT NEEDED.
- EXCESS SUITABLE SOIL EXCAVATED DURING CONSTRUCTION SHALL BE STOCKPILED FOR USE ON THE PROJECT OR DISPOSED OF OFF-SITE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL NOT BE ALLOWED TO STOCKPILE MATERIALS OR EXCESS MATERIALS IN THE STREET RIGHT-OF-WAYS AT ANY TIME. THE CONTRACTOR SHALL PROVIDE A SUFFICIENT AND SUITABLE STOCKPILE AREA AND LOCATION AT THE CONTRACTORS EXPENSE.
- CONTRACTOR SHALL PROVIDE MEASURES DURING CONSTRUCTION TO SECURE THE SITE AND EXCAVATION FROM THE GENERAL PUBLIC AND COMPLY WITH ALL OSHA REGULATIONS. JOB SITE SAFETY IS THE EXCLUSIVE AND SOLE RESPONSIBILITY OF THE CONTRACTOR. OPEN EXCAVATION LEFT UNATTENDED OR OVER NIGHT IS NOT ACCEPTABLE AND SHALL BE FILLED IMMEDIATELY.
- CONTRACTOR SHALL REPAIR OR REPLACE DRIVES DISTURBED BY CONSTRUCTION TO EXISTING OR BETTER CONDITIONS. NO SEPARATE PAYMENT UNLESS OTHERWISE INDICATED.
- CONTRACTOR SHALL PROVIDE TEMPORARY FENCING WHERE FENCES ARE REMOVED FOR CONSTRUCTION. CONTRACTOR SHALL COORDINATE FENCE REMOVAL OR REINSTALLATION WITH INDIVIDUAL PROPERTY OWNERS PRIOR TO REMOVAL. CONTRACTOR SHALL REINSTALL ALL SHEDS, FENCES, ETC. TO AS GOOD OR BETTER THAN EXISTING CONDITIONS UNLESS OTHERWISE INDICATED. (NO SEPARATE PAYMENT).
- CONTRACTOR SHALL REPLACE ALL DISTURBED MAILBOXES, SIGNS, ETC. DISTURBED DURING CONSTRUCTION WITHIN 24 HOURS OF DISTURBANCE. PERMANENT ROAD SIGNAGE DISTURBED SHALL BE REPLACED IMMEDIATELY AND IF NECESSARY ROADWAY SIGNS SHALL BE TEMPORARILY INSTALLED IN A LOCATION CONSISTENT WITH THE MUTCD TO PROVIDE CONTINUOUS TRAFFIC AWARENESS OF ROADWAY CONDITIONS. (NO SEPARATE PAYMENT).
- CONTRACTOR SHALL PROVIDE SECURITY FENCING, SECURITY GUARD, AND ANY AND ALL OTHER MEASURES CONTRACTOR DEEMS NECESSARY TO PROTECT EQUIPMENT AND MATERIALS STORED ON THE PROJECT. (NO SEPARATE PAYMENT).
- WHERE CONTRACTOR CEASES WORK OPERATIONS FOR A 72 HOUR PERIOD OR LONGER, SUCH AS HOLIDAYS, ETC., THE FOLLOWING SHALL BE ACCOMPLISHED PRIOR TO THE WORK STOPPAGE:
 A. CONTRACTOR SHALL STORE ALL EQUIPMENT IN THE CONTRACTOR STAGING AREA OR OFF SITE.
 B. THE CONTRACTOR SHALL SWEEP ALL STREETS, PERFORM GENERAL CLEANUP AND SHALL PERFORM MAINTENANCE ON ALL EXPOSED PATCHES.
- CONTRACTOR SHALL SCHEDULE WORK AND MATERIAL DELIVERIES SO THAT STORED MATERIAL QUANTITIES ON THE JOB SITE SHALL BE MINIMIZED.
- CONTRACTOR SHALL STORE ALL MATERIALS IN THE CONTRACTOR STAGING AREA 72 HOURS PRIOR TO INCORPORATING INTO THE WORK TO REDUCE OBSTRUCTIONS TO TRAFFIC AND INCONVENIENCE TO RESIDENTS. WHERE UTILITIES ARE BEING CONSTRUCTED IN EASEMENTS OUT OF TRAFFIC AREAS CONTRACTOR MAY STORE MATERIALS AHEAD OF CONSTRUCTION FOR A DISTANCE NOT GREATER THAN 100 FEET UNLESS APPROVED OTHERWISE BY THE ENGINEER.
- AT THE PROPERTY OWNER'S REQUEST, THE CONTRACTOR SHALL DIG UP EXISTING SHRUBS AND BUSHES WITHIN RIGHT-OF-WAY TO BE DISTURBED BY CONSTRUCTION AND SET OUTSIDE THE UTILITY EASEMENT AREA IN A LOCATION DETERMINED BY THE PROPERTY OWNER (NO SEPARATE PAYMENT). PROPERTY OWNER WILL BE RESPONSIBLE FOR REPLANTING SHRUBS AND BUSHES SO REMOVED, AND SHALL BE RESPONSIBLE FOR REESTABLISHING GROWTH. IF NO REQUEST IS MADE BY THE PROPERTY OWNER, DISTURBED SHRUBS AND BUSHES SHALL BE REMOVED AND DISPOSED OF OFF-SITE UNLESS OTHERWISE INDICATED.
- CLEARING AND GRUBBING SHALL BE RESTRICTED TO PERMANENT EASEMENTS AND RIGHTS-OF-WAYS ONLY. CONTRACTOR SHALL LIMIT TREEBUSH CLEARING IN THE TEMPORARY EASEMENTS, BETWEEN HOUSES AND ALONG PROPERTY LINES TO ONLY ABSOLUTELY NECESSARY FOR CONSTRUCTION.

UTILITY GENERAL NOTES

- PRIOR TO COMMENCEMENT OF ANY WORK WITHIN EASEMENTS OR RIGHTS-OF-WAYS THE CONTRACTOR IS REQUIRED TO NOTIFY CONCERNED UTILITY COMPANIES IN ACCORDANCE WITH GS 87-102. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. NO SEPARATE PAYMENT. EXISTING UTILITIES SHOWN ARE TAKEN FROM MAPS FURNISHED BY VARIOUS UTILITY COMPANIES AND HAVE NOT BEEN PHYSICALLY LOCATED (i.e. TELEPHONE, GAS, CABLE, ETC.).
- THE CONTRACTOR SHALL DIG UP EACH UTILITY WHICH MAY CONFLICT WITH CONSTRUCTION 14 DAYS IN ADVANCE TO VERIFY LOCATIONS (HORIZONTALLY AND VERTICALLY) TO ALLOW THE ENGINEER AN OPPORTUNITY TO ADJUST THE DESIGN TO AVOID CONFLICTS (NO SEPARATE PAYMENT).
- STORM DRAINAGE, STREET CONSTRUCTION AND PAVING SHALL BE IN ACCORDANCE WITH THE TOWN OF NAGS HEAD STANDARDS.
- UTILITY SERVICES TO INDIVIDUAL PROPERTIES ARE NOT SHOWN IN THE PROFILES FOR SIMPLICITY OF THE DRAWINGS. SERVICES MAY INCLUDE WATER LATERALS, TELEPHONE, ELECTRIC, CABLE, GAS, ETC.
- CONTRACTOR SHALL COORDINATE WITH UTILITY OWNER AND BE RESPONSIBLE FOR TEMPORARY RELOCATION AND/OR SECURING EXISTING UTILITY POLES AND SIGNS AND/OR UTILITIES IN ACCORDANCE WITH UTILITY OWNER REQUIREMENTS DURING THE UTILITY MAIN INSTALLATION AND STREET CONSTRUCTION. (NO SEPARATE PAYMENT).
- CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORTS FOR UTILITY CROSSINGS AND REPAIR DAMAGES DUE TO CONSTRUCTION TO THE SATISFACTION OF THE UTILITY INVOLVED AT NO ADDITIONAL EXPENSE TO THE OWNER. UNDERGROUND ELECTRICAL CROSSINGS SHALL BE CROSSED IN ACCORDANCE WITH THE NEC AND TECHNICAL SPECIFICATION SECTION UNDERGROUND ELECTRICAL CROSSING
- WHERE DEEMED NECESSARY BY THE ENGINEER THAT A SUBSURFACE DRAINAGE SYSTEM IS REQUIRED, THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, LABOR, EQUIPMENT, TIE-INS TO EXISTING DRAINAGE STRUCTURES AND ALL OTHER INCIDENTALS NECESSARY TO PROVIDE COMPLETE INSTALLATION IN ACCORDANCE WITH TOWN OF NAGS HEAD STANDARDS. IMPROPERLY INSTALLED AND NON-FUNCTIONING DRAINAGE SHALL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
- STORM DRAINAGE REPAIRS BY CONTRACTOR DUE TO CONSTRUCTION DAMAGE AND JOINTS EXPOSED DURING CONSTRUCTION SHALL BE INSPECTED BY THE OWNER PRIOR TO BACKFILLING.

1	1/14/16	ISSUED FOR CONSTRUCTION	DMR	1/14/16		
					NAME	DATE
					DRAWN BY: DMR	10-9-15
					DESIGNED BY: DMR	10-9-15
					CHECKED BY: DMR	10-9-15
					RECORD DWG:	
NO.	DATE	REVISION	APPROV'D	DATE		
			APPROVALS			



CONSTRUCTED BY:

Company Name _____ Date _____

FINAL RECORD DRAWING BY:

Company Name _____

Signature _____ Date _____

PROFESSIONAL ENGINEER'S SEAL LAND SURVEYOR'S SEAL FINAL RECORD DRAWING RELEASED FOR CONSTRUCTION

FISCAL YEAR 2015/2016
 DEPARTMENT OF PUBLIC WORKS



TOWN OF NAGS HEAD
 DEPARTMENT OF PUBLIC WORKS
 P.O. BOX 99
 NAGS HEAD, NC 27959
 252.441.1122 • www.nagsheadnc.gov
 CAPITAL IMPROVEMENT PROJECT FY 15/16
 MP 18 NCSR 1243 DRAINAGE MAINTENANCE

DRAWING TITLE:
GENERAL DETAILS & NOTES

SCALE: AS NOTED
 ISSUE DATE: 11/18/2015

DRAWING NO.: C-4
 SHEET NO.: SHEET 4 OF 4