

EXISTING SURVEY LEGEND:

Table listing existing survey features and their symbols. Includes categories like JUNCTION BOX, LANDSCAPE LIGHT, LIGHT POLE, MAILBOX / PAPER BOX, MONITOR WELL, PAY PHONE, POWER POLE, SANITARY MANHOLE, SHRUB, SIAMASE CONNECTION, SIGN, SIGNAL BOX, SOIL BORE, SPOT ELEVATION, SPRINKLER HEAD, STORM PIPE, TELEPHONE MANHOLE, TELEPHONE PEDESTAL, TRANSFORMER, TRANSMISSION TOWER, TREE, UNDERGROUND BOX, UNDERGROUND TELEPHONE MARKER, UNKNOWN MANHOLE, VENT PIPE, WATER MANHOLE, WATER METER, WATER SPIGOT, WATER VALVE, WATER VAULT, WELL, WETLAND FLAG, YARD HYDRANT, YARD INLET, BACK OF CURB, CREEK, EDGE OF CONCRETE, EDGE OF DIRT, EDGE OF GRAVEL, EDGE OF PAVEMENT, FIBER OPTIC LINE, GAS LINE, GUARD RAIL, OVERHEAD ELECTRIC, OVERHEAD TELEPHONE, PROPERTY / LEASE LINE, RIGHT-OF-WAY, ROAD CENTERLINE, SEWER LINE, SHRUB LINE, TREE LINE, UNDERGROUND ELECTRIC, UNDERGROUND TELEPHONE, UNKNOWN UNDERGROUND UTILITY, WATER LINE, WIRE FENCE, WOOD FENCE.

PROPOSED UTILITIES

Table listing proposed utility symbols and descriptions. Includes WATER VALVE, BLOWOFF ASSEMBLY WITH VALVE, AIR RELEASE VALVE/MANHOLE, FIRE HYDRANT ASSEMBLY, WATER METER, SANITARY SEWER LATERAL, REDUCER, TEE, CROSS, BLIND FLANGE OR TEMPORARY CAPPING, RESTRAINED JOINT.

PROPOSED STORMWATER

Table listing proposed stormwater symbols and descriptions. Includes STORMWATER CURB INLET, STORMWATER JUNCTION BOX, STORMWATER STRUCTURE NUMBER, FES-FLARED END SECTION, RIP RAP DISSIPATOR, RIP RAP DISSIPATOR WITH LEVEL SPREADER, PERMANENT DRAINAGE DITCH.

PROPOSED EROSION CONTROL

Table listing proposed erosion control symbols and descriptions. Includes TEMPORARY SILT BASIN, TEMPORARY ROCK PIPE INLET SEDIMENT TRAP, TEMPORARY INLET PROTECTION, TEMPORARY CHECK DAM, TEMPORARY SILT FENCE, TEMPORARY SILT DITCH, TEMPORARY DIVERSION, TEMPORARY TREE PROTECTION, CLEARING LIMITS, WHEELCHAIR RAMP.

GENERAL NOTES

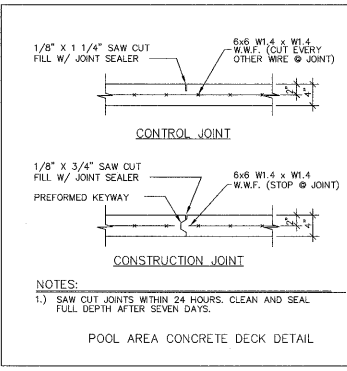
- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT TOWN OF CARY AND NCDOT STANDARD SPECIFICATIONS AND DETAILS.
2. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
3. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCIES BETWEEN FIELD CONDITIONS AND THOSE SHOWN ON THE PLANS.
4. FOR DETAILS OF THE POOL AND CLUBHOUSE AMENITIES SEE ARCHITECTURAL PLANS BY FELLES HOLTON & ASSOCIATES.
5. TOPOGRAPHIC INFORMATION PROVIDED BY CHAS. H. SELLS. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES IN THE FIELD.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH THE LATEST EDITION OF MUTCD AND NCDOT STDS.
7. THE CONTRACTOR, TO THE MAXIMUM EXTENT POSSIBLE, SHALL NOT REMOVE LARGE SPECIMEN TREES AT THE EDGES OF THE EASEMENTS, AND MINIMIZE DAMAGES TO TREES AT THE EDGES OF THE CONSTRUCTION CORRIDOR.
8. CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL/DEMOLITION OF ALL EXISTING BUILDINGS, FOUNDATIONS, FENCE, DRAINAGE PIPING WITHIN THE REQUIRED CLEARING LIMITS, UNLESS OTHERWISE NOTED BY OWNER OR ENGINEER. DISPOSE ALL CONSTRUCTION DEMOLITION DEBRIS IN APPROVED MRF.
9. ALL REINFORCED CONCRETE STORMWATER PIPING SHALL BE CLASS II UNLESS OTHERWISE SPECIFIED.
10. ALL STORM DRAIN FRAMES AND GRATES SHALL BE STAMPED WITH "DRAINS TO RIVER" IN ACCORDANCE WITH TOWN OF CARY STANDARDS.
11. NO TREE SHALL BE PLANTED WITHIN PUBLIC RIGHTS-OF-WAY OR WITHIN FIVE (5) FEET OF A PUBLIC SIDEWALK OR STREET CURB.
12. LANDSCAPE MAINTENANCE WITHIN STREET RIGHTS-OF-WAY, INCLUDING MEDANS AND ISLANDS, SHALL BE THE RESPONSIBILITY OF PROPERTY OWNERS, PROPERTY ASSOCIATIONS OR THEIR ASSIGNEES IN FUTURE.
13. BOUNDARY SURVEY & TREE SURVEY PROVIDED BY CHAS. H. SELLS. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES.
14. COORDINATE UTILITY REMOVAL AND INSTALLATION WITH RESPECTIVE COMPANIES.
15. ALL WORK MUST COMPLY WITH NORTH CAROLINA STATE BUILDING AND HANDICAPPED ACCESSIBILITY VOL. 1C.
16. THE DEVELOPER WILL BE RESPONSIBLE FOR ALL INSTALLATION COSTS ASSOCIATED WITH STREET LIGHTING ALONG PROPOSED STREETS, ADJACENT STREETS AND THOROUGHFARES AS REQUIRED PER TOWN OF CARY POLICY STATEMENT NO. 13. THE DEVELOPER SHALL CONTACT PROGRESS ENERGY AFTER PLAN APPROVAL AND PRIOR TO CONSTRUCTION IN ORDER TO DEVELOP A STREET LIGHTING PLAN FOR THE SITE/SUBDIVISION PLANS.
17. IF THERE IS A TRASH COMPACTOR ON THE SITE A CONNECTION TO THE SANITARY SEWER AND COVERED DUMPSTER SITE WILL BE REQUIRED.
CLEARING:
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.
BERM DITCHES:
BERM DITCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH NCDOT STD. NO. 240.61 AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NCDOT STD. NO. 848.6 USING THE RADII NOTED ON PLANS.
WHEELCHAIR RAMPS:
THE CONSTRUCTION OF ALL WHEELCHAIR RAMPS SHALL BE IN ACCORDANCE WITH NCDOT STD. NO. 848.05.
UTILITY NOTES
1. DIP WATER MAIN PIPING UP TO 12-INCHES IN DIAMETER SHALL BE CLASS 350. DIP SHALL BE MANUFACTURED IN ACCORDANCE WITH ANWA C150 AND ANWA C151. FITTINGS SHALL BE MANUFACTURED IN ACCORDANCE WITH ANWA C153. PIPE JOINTS CONFORM TO ANWA C111.
2. THE TOPS OF ALL AIR RELEASE MANHOLES FOR THE WATER LINE SHALL BE INSTALLED 1' FT ABOVE FINISHED GRADE AT LOCATIONS OUTSIDE THE SIDEWALK AREA. TOPS OF AIR RELEASE MANHOLES LOCATED IN THE SIDEWALK AREA SHALL BE INSTALLED AT FINISHED GRADE.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UNDERGROUND UTILITIES AND REPORT CONFLICTS TO ENGINEER BEFORE CONSTRUCTION. CALL THE NC ONE CALL CENTER AT 1-800-432-4949.
4. CONTRACTOR SHALL MAINTAIN AN "AS BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL EXISTING PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE ENGINEER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE OWNER.
5. MINIMUM UTILITY SEPARATIONS:
18" VERTICAL CLEARANCE FROM TOP OF GRAVITY SEWER TO BOTTOM OF EXISTING WATERLINES
12" VERTICAL CLEARANCE FROM TOP OF GRAVITY SEWER TO BOTTOM OF EXISTING STORM DRAINAGE
MINIMUM 10' HORIZONTAL SEPARATION BETWEEN GRAVITY AND EXISTING UTILITIES
6. ALL CONTRACTORS TO COORDINATE ALL CONSTRUCTION ACTIVITIES AND UTILITY RELOCATION/INSTALLATION WITH UTILITY OWNERS.
7. ALL PRIVATE UTILITIES (TELEPHONE, CABLE, GAS, POWER) TO BE INSTALLED BETWEEN BACK OF CURB AND RIGHT OF WAY LINE.
8. THE DEVELOPER WILL BE RESPONSIBLE FOR ALL INSTALLATION COSTS ASSOCIATED WITH STREET LIGHTING ALONG PROPOSED STREETS, ADJACENT STREETS AND THOROUGHFARES AS REQUIRED PER TOWN OF CARY POLICY STATEMENT NO. 13. THE DEVELOPER SHALL CONTACT PROGRESS ENERGY AFTER PLAN APPROVAL AND PRIOR TO CONSTRUCTION IN ORDER TO DEVELOP A STREET LIGHTING PLAN FOR THE SITE/SUBDIVISION PLANS.
9. ALL UTILITY CASTINGS TO HAVE THE TOWN OF CARY EMBLEM CASTED ON.

NCDOT STANDARD ROADWAY DETAILS

- THE FOLLOWING ROADWAY STANDARDS APPEAR IN "ROADWAY STANDARD DRAWINGS"-HIGHWAY DESIGN BRANCH-N.C. DEPARTMENT OF TRANSPORTATION, RALEIGH, NC, DATED JANUARY 2002, AND THE LATEST REVISION ARE APPLICABLE TO THE PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS. CONTRACTOR TO FOLLOW THE MORE STRICT DETAIL OR SPECIFICATION BETWEEN THE NCDOT STANDARDS AND THE TOWN OF CARY STANDARDS.
DIVISION 2-EARTHWORK
200.02 METHOD OF CLEARING II
275.02 GUIDE FOR GRADING SUBGRADE
DIVISION 6-ASPHALT BASES AND PAVEMENTS
654.01 PAVEMENT REPAIRS
DIVISION 8-IN-CIDENTALS
840.02 CONCRETE CATCH BASIN- 12"THRU 54" PIPE
840.03 FRAME, GRATES AND HOOD FOR USE ON STANDARD CATCH BASIN
840.04 CONCRETE CATCH BASIN W/ SINGLE AND MULTIPLE PIPES
840.25 ANCHORAGE FOR FRAMES-BRICK OR CONCRETE
845.05 CONCRETE AND BRICK STEPS
844.04 CONCRETE DROP INLET
845.01 CONCRETE CURB, GUTTER AND CURB & GUTTER
845.01 CONCRETE SIDEWALK
848.02 DRIVEWAY TURNOUT-RADIUS TYPE
848.05 WHEELCHAIR RAMP-CURB CUT
DIVISION 9-SIGNING
904.10 ORIENTATION OF GROUND MOUNTED SIGNS
904.50 MOUNTING OF TYPE "D", "E", AND "F" SIGNS ON "V" CHANNEL POSTS
DIVISION 11-WORK ZONE TRAFFIC CONTROL
1101.01 WORK ZONES ADVANCE WARNING SIGNS
1101.02 TEMPORARY LANE CLOSURES
1101.11 TRAFFIC CONTROL DESIGN TABLES
1130.01 DRUMS
1135.01 CONES
1145.01 BARRICADES-TYPE I, II, III AND PERMANENT
1150.01 FLAGGERS
DIVISION 12-PAVEMENT MARKINGS, MARKERS AND DELINEATION
1205.01 PAVEMENT MARKINGS-LINE TYPES AND OFFSETS
1205.02 PAVEMENT MARKINGS
1250.01 PAVEMENT MARKER SPACING
DIVISION 15-UTILITIES
USE TOWN OF CARY STANDARDS AND DETAILS
DIVISION 16-EROSION CONTROL AND ROADSIDE DEVELOPMENT
1133.02 TEMPORARY ROCK SILT CHECK TYPE B
SAFETY PROVISIONS:
1. THE CONTRACTOR SHALL COMPLY WITH "NORTH CAROLINA OCCUPATIONAL SAFETY AND HEALTH STANDARDS FOR THE CONSTRUCTION INDUSTRY", 29 CFR PART 1926 AND PART 1910. PARTICULAR REFERENCE IS MADE BUT NOT LIMITED TO SUBPART P - EXCAVATIONS.
2. SLOPING, BENCHING, OR TRENCH WALL SUPPORTS FOR EXCAVATIONS GREATER THAN 20 FEET IN DEPTH SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER.

SEEDBED PREPARATION
1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF THEY OCCUR, AFTER ALL ROUGH GRADING IS COMPLETED. TILL SOIL AREAS TO BE SEEDBED AND PLANTED TO A DEPTH OF FIVE INCHES.
2. REMOVE ALL LOOSE ROCKS, ROOTS, DIRT CLOGS, AND OTHER OBSTRUCTIONS LEAVING GROUND SURFACE SMOOTH AND UNIFORM.
3. TO PREPARE UNIFORM SEEDBED, INCORPORATE AGRICULTURAL LIM, FERTILIZER AND SUPERPHOSPHATE INTO SOIL AREAS TO BE VEGETATED. DISK NUTRIENTS INTO SOIL UNTIL WELL PULVERIZED.
4. SEED ON PREPARED SEEDBED AND COVER LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK. APPLY TEMPORARY SEEDING TO SOIL STOCKPILE AREAS THAT WILL BE DISTURBED WITHIN 30 DAYS. APPLY PERMANENT SEEDING TO WHERE FINISH GRADES ARE ESTABLISHED.
5. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR WITH LIQUID ASPHALT AT 400 GAL/ACRE OR EMULSIFIED ASPHALT AT 300 GAL/ACRE
6. MULCH ALL SEEDBED AREAS WITH SMALL GRAIN STRAW AT 90 LBS/1000SF AND SPREAD UNFORMLY. GROUND SURFACE SHOULD BE VISIBLE TO ALLOW SUNLIGHT PENETRATION.
7. MULCH AROUND SHRUBBERY AND TREES WITH SHREDDED HARDWOOD TO A DEPTH OF 3 INCHES.
8. AFTER WORK IS COMPLETED AND AREAS ARE STABILIZED, CALL EROSION CONTROL OFFICER FOR SITE INSPECTION AND RECEIVE CERTIFICATE OF COMPLETION. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES, INSTALL RIP-RAP, AND SEED AND MULCH ANY REMAINING BARE AREAS.

SEEDING SCHEDULE
SHOULDERS, SIDE DITCHES, SLOPES (MAX. 3:1)
DATE, TYPE, PLANTING RATE
AUG. 15 - NOV. 1, TALL FESCUE, 300 LBS/ACRE
NOV. 1 - MAR. 1, TALL FESCUE, 300 LBS/ACRE
&.K. ABRUZZI RYE, 25 LBS/ACRE
NOV. 1 - APR. 15, TALL FESCUE, 300 LBS/ACRE
&.J.L. 1 - AUG. 15, TALL FESCUE AND 125 LBS/ACRE
\*\*\*SORGHUM-TOP, MILLET, 35 LBS/ACRE
\*\*\*SORGHUM-SUDAN HYBRIDS, 30 LBS/ACRE
SHOULDERS, SIDE DITCHES, SLOPES (3:1 TO 2:1)
DATE, TYPE, PLANTING RATE
MAR. 1 - JUN. 1, SEROSA LESPEDEZA (SCARIFIED), 50 LBS/ACRE
&.NOV. 1 - APR. 15, ADD ABRUZZI RYE, 25 LBS/ACRE
&.NOV. 1 - JUN. 30, ADD WEEPING LOVERGASS, 10 LBS/ACRE
&.J.L. 1 - SEP. 1, \*\*\*TALL FESCUE AND 120 LBS/ACRE
\*\*\*SORGHUM-TOP, MILLET, 25 LBS/ACRE
\*\*\*SORGHUM-SUDAN HYBRIDS, 30 LBS/ACRE
SEP. 1 - MAR. 1, SEROSA LESPEDEZA (UN-SCARIFIED), 70 LBS/ACRE
&.NOV. 1 - MAR. 1, ADD ABRUZZI RYE, 25 LBS/ACRE
CONSULT EROSION CONTROL ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DEJOUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS. OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.
\*\*\*TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12-INCHES IN HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.



NOTES:
1.) SAW CUT JOINTS WITHIN 24 HOURS. CLEAN AND SEAL FULL DEPTH AFTER SEVEN DAYS.

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REVISIONS table
PROJECT #: 05-4029 DATE: 1/10/05
DRAWN BY: CD CHECKED BY: ET
TITLE:
GENERAL NOTES
SHEET:
C0.1

05-SP-135
APPROVED
TOWN OF CARY
Approved by: [Signature] Date: 2-14-05
Planning: [Signature] Date: 1-29-05
Engineering: [Signature] Date: 1-14-05