

EXISTING SURVEY LEGEND:

□	JUNCTION BOX	○	AERIAL TARGET
LL ●	LANDSCAPE LIGHT	○	ANGLE IRON
LP ●	LIGHT POLE	○	AXLE
▲	MAILBOX / PAPER BOX	⊕	BENCH MARK
MW-1	MONITOR WELL	○	COMPUTED POINT
☎	PAY PHONE	ECM ⊕	CONCRETE MONUMENT
PP ●	POWER POLE	CONTROL Δ	CONTROL POINT
⊙	SANITARY MANHOLE	DH ○	DRILL HOLE
⊙	SHRUB	GS ⊕	GEODETIC MONUMENT
⊙	SIAMESE CONNECTION	HT ⊕	HUB AND TACK
SG ○	SIGN	IPF ○	IRON PIPE FOUND
⊙	SIGNAL BOX	IPS ○	IRON PIPE SET
SB-1	SOIL BORE	IRF ○	IRON ROD
100.0+	SPOT ELEVATION	NL ○	NAIL
SR ⊕	SPRINKLER HEAD	PK ⊕	PK NAIL
>	STORM PIPE	PM ⊕	PUNCH MARK
⊕	TELEPHONE MANHOLE	RBF ○	REBAR
⊕	TELEPHONE PEDESTAL	RSP ○	RAILROAD SPIKE
⊕	TRANSFORMER	SK ⊕	STAKE
⊕	TRANSMISSION TOWER	⊙	BOLLARD
⊕	TREE	CV ⊕	BOX CULVERT
⊕	UNDERGROUND BOX	⊕	CABLE TV BOX
UT ○	UNDERGROUND TELEPHONE MARKER	⊕	CATCH BASIN
⊕	UNKNOWN MANHOLE	CO ●	CLEANOUT
⊕	VENT PIPE	⊕	CURB INLET
⊕	WATER MANHOLE	⊕	DRAINAGE MANHOLE
⊕	WATER METER	⊕	DUCT BANK
WS ⊕	WATER SPIGOT	⊕	ELECTRIC MANHOLE
⊕	WATER VALVE	⊕	ELECTRIC METER
⊕	WATER VAULT	FO ○	FIBER OPTIC MARKER
⊕	WELL	100.0+	FINISHED FLOOR ELEVATION
WF-1 ○	WELAND FLAG	PH ⊕	FIRE HYDRANT
YH ⊕	YARD HYDRANT	⊕	FUEL PUMP
⊕	YARD INLET	⊕	GAS METER
⊕	BACK OF CURB	GAS ⊕	GAS VALVE
⊕	CHAIN LINK FENCE	⊕	GATE POST
⊕	CREEK	⊕	GROUNDING ROD
EC	EDGE OF CONCRETE	⊕	GUY WIRE
ED	EDGE OF DIRT	IV ⊕	INDICATOR VALVE
EG	EDGE OF GRAVEL	SCV ⊕	IRRIGATION CONTROL VALVE
EP	EDGE OF PAVEMENT		
FO	FIBER OPTIC LINE		
GL	GAS LINE		
GR	GUARD RAIL		
HE	OVERHEAD ELECTRIC		
HT	OVERHEAD TELEPHONE		
PL	PROPERTY / LEASE LINE		
PL	PROPERTY LINE (NOT SURVEYED)		
R/W	RIGHT-OF-WAY		
RC	ROAD CENTERLINE		
SS	SEWER LINE		
SR	SHRUB LINE		
TL	TREE LINE		
UE	UNDERGROUND ELECTRIC		
UT	UNDERGROUND TELEPHONE		
UG	UNKNOWN UNDERGROUND UTILITY		
WL	WATER LINE		
WF	WIRE FENCE		
WF	WOOD FENCE		

PROPOSED UTILITIES:

⊕	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:

⊕	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:

⊕	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
⊕	TREE FENCE LINE (YELLOW TAPE)
⊕	CLEARING LIMITS
⊕	WHEELCHAIR RAMP

SITE DATA:
 DISTURBED AREA = 1.36 ACRES
 6" RECLAIMED WATERLINE: 5661 LF
 4" RECLAIMED WATERLINE: 250 LF
 PHASE 1: 6" RECLAIMED WATERLINE: 756 LF
 4" RECLAIMED WATERLINE: 20 LF
 PHASE 2: 6" RECLAIMED WATERLINE: 2830 LF
 4" RECLAIMED WATERLINE: 230 LF
 PHASE 3: 6" RECLAIMED WATERLINE: 2075 LF

NOTE: ALL RECLAIMED WATERLINE PIPES TO BE RESTRAINED JOINT PVC-IPS

- CONSTRUCTION SEQUENCE:**
- Obtain plan approval and permits from the Town of Cary prior to beginning work.
 - Flag the work limits to prevent unnecessary clearing.
 - Hold preconstruction meeting at least one week prior to starting construction.
 - Construct sediment fence.
 - Construct Reclaimed Waterline
 - Seed all disturbed areas in accordance with the seeding specifications.
 - Remove temporary erosion and sediment control measures after vegetation is established on all disturbed areas.

GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT TOWN OF CARY AND NCDOT STANDARD SPECIFICATIONS AND DETAILS.
- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL VERIFY THE NUMBER OF DISCREPANCIES BETWEEN FIELD CONDITIONS AND THOSE SHOWN ON THE PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH THE LATEST EDITION OF MUTCD AND NCDOT STD.
- 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.
- 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 LANDFILL.
- NO TREE SHALL BE PLANTED WITHIN PUBLIC RIGHT-OF-WAY OR WITHIN FIVE (5) FEET OF A PUBLIC SIDEWALK OR STREET CURB.
- LANDSCAPE MAINTENANCE WITHIN STREET RIGHT-OF-WAY, INCLUDING MEDIAN AND ISLANDS, SHALL BE THE RESPONSIBILITY OF PROPERTY OWNERS, PROPERTY ASSOCIATIONS OR THEIR RESPECTIVE IN PERPETUITY.
- COORDINATE UTILITY REMOVAL AND INSTALLATION WITH RESIDENCE COMPANIES.

UTILITY NOTES:

- ALL RECLAIMED WATER MAIN DISTRIBUTION PIPE SHALL BE CS80 OR CS15 PVC PIPE WITH RESTRAINED BELL JOINT.
- THE TOPS OF ALL AIR RELEASE MANHOLES FOR THE WATER LINE SHALL BE INSTALLED TO 1' 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.
- 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.
- 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.
- MINIMUM UTILITY SEPARATIONS:
 12" 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 12" 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, 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 TO STREETS AND THOROUGHFARES AS REQUIRED PER TOWN OF CARY POLICY STATEMENT NO. 15. 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 LID.
 10. DO NOT EXCEED MANUFACTURER'S RECOMMENDED DEFLECTION FOR WATER LINES.
 11. DISTRIBUTION PIPES, VALVES, SERVICE LINES AND OTHER APPURTENANCES SHOULD EITHER BE COLORED PURPLE AND EMBOSSED OR BE INTEGRALLY MARKED / STAMPED *CAUTION: RECLAIMED WATER - DO NOT DRINK*

SAFETY PROVISIONS:

- 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.
- SLOPING, BENCHING, OR TRENCH WALL SUPPORTS FOR EXCAVATIONS GREATER THAN 20 FEET IN DEPTH SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER.

SEEDING SCHEDULE:

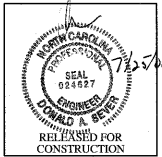
SEEDLINGS, SIDE DITCHES, SLOPES 0MAX. 3:1	DATE: TYPE: PLANTING RATE
AUG. 15 - NOV. 1: TALL FESCUE: 300 LBS/ACRE	NOV. 1 - MAR. 1: TALL FESCUE: 300 LBS/ACRE & ARBUZZI RYE: 150 LBS/ACRE
MAR. 1 - APR. 15: TALL FESCUE: 300 LBS/ACRE	JUL. 1 - AUG. 15: TALL FESCUE AND LIES: 150 LBS/ACRE
***BROWNTOP MILLET: 35 LBS/ACRE	***OR SODIUM-SODAN HYBRID: 30 LBS/ACRE
SEEDLINGS, SIDE DITCHES, SLOPES 0:1 TO 2:1	DATE: TYPE: PLANTING RATE
MAR. 1 - JUN. 1: SERISA LESPEDEZA (SCARIFIED) 50 LBS/ACRE	AND MAR. 1 - APR. 15: TALL FESCUE: 120 LBS/ACRE
JUN. MAR. 1 - JUN. 30: WEEDING LIVE GRASS: 10 LBS/ACRE	JUN. 1 - SEP. 1: TALL FESCUE AND LIES: 150 LBS/ACRE
***BROWNTOP MILLET: 35 LBS/ACRE	***OR SODIUM-SODAN HYBRID: 30 LBS/ACRE
SEP. 1 - MAR. 1: SERISA LESPEDEZA (UN-SCARIFIED) 70 LBS/ACRE	AND TALL FESCUE: 120 LBS/ACRE
NOV. 1 - MAR. 1: TALL FESCUE RYE: 150 LBS/ACRE	CONSULT EROSION CONTROL ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENIED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS. OTHER SEEDING RATE CONSIDERATIONS 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 MOVING, OTHERWISE FESCUE MAY BE SHARED OUT.	

SEED PREPARATION:

- 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 SEEDING AND PLANTED TO A DEPTH OF FIVE INCHES.
- REMOVE ALL LOOSE ROCKS, ROOTS, DIRT CLODS, AND OTHER OBSTRUCTIONS LEAVING GROUND SURFACE SMOOTH AND UNIFORM.
- TO PREPARE UNIFORM SEEDBED, INCORPORATE AGRICULTURAL LIME, FERTILIZER AND SUPERPHOSPHATE INTO SOIL AREAS TO BE VEGETATED. DISK NUTRIENTS INTO SOIL UNTIL WELL PULVERIZED.
- 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.
- MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR WITH LIQUID ASPHALT AT 400 GAL/ACRE OR EMULSIFIED ASPHALT AT 300 GAL/ACRE.
- MULCH ALL SEEDBED AREAS WITH SMALL GRAIN STRAW AT 90 LBS/1000SQ FT AND SPREAD UNIFORM. GROUND SURFACE SHOULD BE VISIBLE TO ALLOW SUNLIGHT PENETRATION.
- MULCH AROUND SHRUBBERY AND TREES WITH SHREDDED HARDWOOD TO A DEPTH OF 3 INCHES.
- 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.

08-SP-027
 APPROVED
 TOWN OF CARY
 Approved by: DCC Date: 7-14-08
 Planning: BPJ Date: 8-08-08
 Engineering: SS Date: 8/14/08

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REVISIONS

PROJECT #: 06-050 DATE: 07/25/08
 DRAWN BY: MB CHECKED BY: DS
 TITLE: **GENERAL NOTES**
 SHEET: **C0.1**