

EXISTING SURVEY LEGEND:

□	JUNCTION BOX	⊗	AERIAL TARGET
●	LANDSCAPE LIGHT	∠	ANGLE IRON
⊙	LIGHT POLE	○	AXLE
▲	MAILBOX / PAPER BOX	⊕	BENCH MARK
MW-□	MONITOR WELL	⊖	COMPUTED POINT
☎	PAY PHONE	ECM	CONCRETE MONUMENT
⊙	POWER POLE	△	CONTROL POINT
⊙	SANITARY MANHOLE	DH	DRILL HOLE
⊙	SHRUB	GS	GEODETIC MONUMENT
⊙	SIAMSE CONNECTION	HT	HUB AND TACK
SG	SIGN	IPF	IRON PIPE FOUND
⊙	SIGNAL BOX	IPS	IRON PIPE SET
SB-□	SOIL BORE	IRF	IRON ROD
100.0+	SPOT ELEVATION	NL	NAIL
SP	SPRINKLER HEAD	PK	PK NAIL
>	STORM PIPE	PM	PUNCH MARK
⊙	TELEPHONE MANHOLE	RBF	REBAR
⊙	TELEPHONE PEDESTAL	RSF	RAILROAD SPIKE
TF	TRANSFORMER	SK	STAKE
T	TRANSMISSION TOWER	⊙	STAKE
⊙	TREE	CV	BOX CULVERT
⊙	UNDERGROUND BOX	⊙	CABLE TV BOX
U	UNDERGROUND TELEPHONE MARKER	⊙	CATCH BASIN
⊙	UNKNOWN MANHOLE	⊙	CURB INLET
○	VENT PIPE	⊙	DRAINAGE MANHOLE
⊙	WATER MANHOLE	⊙	DUCT BANK
⊙	WATER METER	⊙	ELECTRIC MANHOLE
WS	WATER SPIGOT	⊙	ELECTRIC METER
WV	WATER VALVE	FO	FIBER OPTIC MARKER
⊙	WATER VAULT	100.0+	FINISHED FLOOR ELEVATION
⊙	WELL	PH	FIRE HYDRANT
WF-□	WETLAND FLAG	TP	TEMPORARY DIVERSION
YH	YARD HYDRANT	TPF	TEMPORARY TREE PROTECTION
⊙	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	SOV	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

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. CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH THE LATEST EDITION OF MUTCD AND NCDOT STD.
5. 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.
6. 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.
7. NO TREE SHALL BE PLANTED WITHIN PUBLIC RIGHT-OF-WAY OR WITHIN FIVE (5) FEET OF A PUBLIC SIDEWALK OR STREET CURB.
8. LANDSCAPE MAINTENANCE WITHIN STREET RIGHT-OF-WAY, INCLUDING MEDIAN AND ISLANDS, SHALL BE THE RESPONSIBILITY OF PROPERTY OWNERS, PROPERTY ASSOCIATIONS OR THEIR ASSIGNEES IN PERPETUITY.
9. COORDINATE UTILITY REMOVAL AND INSTALLATION WITH RESPECTIVE COMPANIES.

UTILITY NOTES

1. ALL RECLAIMED WATER MAIN DISTRIBUTION PIPE SHALL BE 300" OR 360" PVC PIPE WITH RESTRAINED BELL JOINT
2. THE TOPS OF ALL AIR RELEASE MANHOLES FOR THE WATER LINE SHALL BE INSTALLED TO 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 1-800-652-4949.
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 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, 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 SUBDIVISION PLANS.
 9. ALL UTILITY CASTINGS TO HAVE THE TOWN OF CARY EMBLEM CASTED ON.
 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"

SITE DATA:

6" RECLAIMED WATERLINE: 5300 LF
DISTURBED AREA = 1.2 ACRES

NOTE: Any previously installed landscaping will need to be replaced.
NOTE: All Reclaimed Waterline Pipes to be Restrained Joint PVC-IPS

CONSTRUCTION SEQUENCE:

1. Obtain plan approval and permits from the Town Of Cary prior to beginning work.
2. Flag the work limits to prevent unnecessary clearing.
3. Hold preconstruction meeting at least one week prior to starting construction.
4. Construct sediment fence.
5. Construct Reclaimed Waterline
6. Seed all disturbed areas in accordance with the seeding specifications.
7. Remove temporary erosion and sediment control measures after vegetation is established on all disturbed areas.

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

SEEDING SCHEDULE

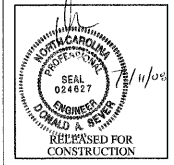
SHOULDER, SIDE BETCHES, SLOPES 0.5X:1	DATE: TYPE: PLANTING RATE
APR. 15 - NOV. 15	APR. 15 - NOV. 15 TALL FESCUE: 300 LBS/ACRE
NOV. 1 - MAR. 1	APR. 15 - NOV. 15 TALL FESCUE: 300 LBS/ACRE
MAR. 1 - APR. 15	MAR. 1 - APR. 15 TALL FESCUE: 300 LBS/ACRE
APR. 15 - JUL. 1	MAR. 1 - APR. 15 TALL FESCUE: 300 LBS/ACRE
JUL. 1 - AUG. 15	MAR. 1 - APR. 15 TALL FESCUE: 300 LBS/ACRE
AUG. 15 - NOV. 15	MAR. 1 - APR. 15 TALL FESCUE: 300 LBS/ACRE
NOV. 1 - MAR. 1	MAR. 1 - APR. 15 TALL FESCUE: 300 LBS/ACRE
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APR. 15 - JUL. 1	MAR. 1 - APR. 15 TALL FESCUE: 300 LBS/ACRE
JUL. 1 - AUG. 15	MAR. 1 - APR. 15 TALL FESCUE: 300 LBS/ACRE
AUG. 15 - NOV. 15	MAR. 1 - APR. 15 TALL FESCUE: 300 LBS/ACRE
NOV. 1 - MAR. 1	MAR. 1 - APR. 15 TALL FESCUE: 300 LBS/ACRE

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, FILL SOIL AREAS TO A DEPTH OF FIVE INCHES.
2. REMOVE ALL LOOSE ROCKS, ROOTS, DIRT CLODS, AND OTHER OBSTRUCTIONS LEAVING GROUND SURFACE SMOOTH AND UNIFORM.
3. TO PREPARE UNIFORM SEEDBED, INCORPORATE AGRICULTURAL LIME, 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 UNIFORMLY. GROUND SURFACE SHOULD BE VISIBLE TO ALLOW SUNLIGHT PENETRATION.
7. MULCH AROUND SHRUBBERY AND TREES WITH SHEDDED HARDWOOD TO A DEPTH OF 3 INCHES.
8. AFTER WORK IS COMPLETED AND AREAS ARE STABILIZED, CALL ENGINEER 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.

07-SP-075
 APPROVED
 TOWN OF CARY
 Approved by: DLL Date: 2-11-08
 Planning: SP Date: 8-5-08
 Engineering: SS Date: 7-23-08

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AMBERLY RECLAIMED WATER LINE PHASE 2

REVISIONS	

PROJECT # 07-019 DATE: 06/20/08
 DRAWN BY: MB CHECKED BY: DS
 TITLE: GENERAL NOTES
 SHEET: C0.1

Cary, NC
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