

EXISTING SURVEY LEGEND:	
JB	JUNCTION BOX
LL	LANDSCAPE LIGHT
LP	LIGHT POLE
MB	MAILBOX / PAPER BOX
MW-1	MONITOR WELL
PP	PAY PHONE
PP	POWER POLE
SM	SANITARY MANHOLE
SR	SHRUB
SC	SIAMSE CONNECTION
SO	SIGN
SI	SIGNAL BOX
SB-1	SOIL BORE
100.0+	SPOT ELEVATION
SR	SPRINKLER HEAD
>	STORM PIPE
T	TELEPHONE MANHOLE
TP	TELEPHONE PEDESTAL
TR	TRANSFORMER
TT	TRANSMISSION TOWER
T	TREE
UB	UNDERGROUND BOX
UT	UNDERGROUND TELEPHONE MARKER
UM	UNKNOWN MANHOLE
VP	VENT PIPE
WM	WATER MANHOLE
WT	WATER METER
WS	WATER SPOUT
WV	WATER VALVE
WV	WATER VAULT
WV	WELL
WF-1	WETLAND FLAG
YH	YARD HYDRANT
YN	YARD INLET
	BACK OF CURB
	CHAIN LINK FENCE
	CREAK
EC	EDGE OF CONCRETE
ED	EDGE OF DIRT
EG	EDGE OF GRAVEL
EP	EDGE OF PAVEMENT
FO	FIBER OPTIC LINE
GL	GAS LINE
	GUARD RAIL
	OVERHEAD ELECTRIC
	OVERHEAD TELEPHONE
	PROPERTY / LEASE LINE
	PROPERTY LINE (NOT SURVEYED)
R/W	RIGHT-OF-WAY
	ROAD CENTERLINE
SS	SEWER LINE
	SHRUB LINE
	TREE LINE
UE	UNDERGROUND ELECTRIC
UT	UNDERGROUND TELEPHONE
UG	UNKNOWN UNDERGROUND UTILITY
WL	WATER LINE
	WIRE FENCE
	WOOD FENCE

PROPOSED UTILITIES	
AW	AERIAL TARGET
AI	ANGLE IRON
AX	AXLE
BM	BENCH MARK
CP	COMPUTED POINT
ECM	CONCRETE MONUMENT
CON	CONTROL POINT
DH	DRILL HOLE
GM	GEODEIC MONUMENT
HT	HUB AND TACK
IPF	IRON PIPE FOUND
IPS	IRON PIPE SET
IR	IRON ROD
N	NAIL
PK	PK NAIL
PM	PUNCH MARK
RBF	REBAR
RSF	RAILROAD SPIKE
SK	STAKE
BOLL	BOLLARD
CV	BOX CULVERT
CAT	CATCH BASIN
CLE	CLEANOUT
CI	CURB INLET
DM	DRAINAGE MANHOLE
DB	DUCT BANK
EM	ELECTRIC MANHOLE
EM	ELECTRIC METER
FOM	FIBER OPTIC MARKER
100.0+	FINISHED FLOOR ELEVATION
FR	FIRE HYDRANT
FP	FUEL PUMP
GM	GAS METER
GV	GAS VALVE
GP	GATE POST
GR	GROUNDING ROD
GW	GUY WIRE
IV	INDICATOR VALVE
ICV	IRRIGATION CONTROL VALVE
WV	WATER VALVE
BA	BLOWOFF ASSEMBLY WITH VALVE
AR	AIR RELEASE VALVE/MANHOLE
HA	FIRE HYDRANT ASSEMBLY
WM	WATER METER
SL	SANITARY SEWER LATERAL
R	REDUCER
T	TEE
C	CROSS
BFC	BLIND FLANGE OR TEMPORARY CAPPING
RJ	RESTRAINED JOINT

PROPOSED STORMWATER	
SWC	STORMWATER CURB INLET
SWJ	STORMWATER JUNCTION BOX
SSW	STORMWATER STRUCTURE NUMBER
FES	FES-FLARED END SECTION
RIP	RIP RAP DISSIPATOR
RIP	RIP RAP DISSIPATOR WITH LEVEL SPREADER

PROPOSED EROSION CONTROL	
TSB	TEMPORARY SILT BASIN
TRP	TEMPORARY ROCK PIPE INLET SEDIMENT TRAP
TIP	TEMPORARY INLET PROTECTION
TCD	TEMPORARY CHECK DAM
SF	TEMPORARY SILT FENCE
TSD	TEMPORARY SILT DITCH
TD	TEMPORARY DIVERSION
TPF	TEMPORARY TREE PROTECTION
TFL	TREE FENCE LINE (YELLOW TAPE)
	CLEARING LIMITS
	WHEELCHAIR RAMP

**NOTE: Any previously installed landscaping will need to be replaced.**

**Greenway Construction Notes:**

- Trail shall be constructed per plans and according to all other pertinent details and specifications.
- Contractor to confine construction activity within limits of construction.
- Clearing limits shall be approved by Landscape Architect/Engineer prior to construction.
- Contractor shall retain a registered surveyor to stake centerline of the trail as shown on the Layout Plan. The trail is to be staked at 50' intervals in the field.
- Staked centerline of the trail is to be approved by Landscape Architect prior to construction. Landscape Architect may make minor adjustments to the trail alignment to protect existing trees or to adjust to site conditions.
- Erect tree protection fence along limit of construction for inspection by Town of Cary.
- Install required erosion control measure prior to construction.
- Contractor to call for utility locations prior to construction.
- All trails, regardless of width shall maintain a 2' wide graded shoulder with a 2% cross slope.
- Proposed pavement shall meet existing pavement finish.
- Trail to exhibit 2% cross slope towards creek or low area.
- Slope shall be 3:1 maximum and 2% minimum slope except where otherwise noted.
- All disturbed areas shall be seeded per specification.
- Grade side slopes and adjacent ground to drain. Ensure that there is no standing water on the uphill side of the trail. Install diversion ditch as needed to direct water to culverts.
- Additional culverts will be added as needed during construction to prevent erosion and slick spots on greenway trail.
- Trees shall be lumb up a vertical distance of 10 feet from the forest floor, within 5 feet from the outside edge of the trail. Remove dangerous tree limbs hanging over trail as directed by landscape architect.
- The Town of Cary Site Inspector or Geotechnical Engineer shall proof roll greenway trail prior to placement of fabric and 6" of crushed stone. The trail will shall also be proof rolled prior to paving. A minimum of 97% compaction is required.
- All trails that intersect with a curbed road shall have either a Town of Cary, driveway apron or HIC Ramp as specified by PRCR Department.
- The edges of paved trails shall be a minimum of 4' from the edge of any manhole.
- All greenway trails shall have paved connection to roads.

**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 NOTIFY ENGINEER 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 STDS.
- 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 FRONT-OF-WAY, INCLUDING MEDIAN AND ISLANDS, SHALL BE THE RESPONSIBILITY OF PROPERTY OWNERS, PROPERTY ASSOCIATIONS OR THEIR ASSIGNEES IN PERPETUITY.
- COORDINATE UTILITY REMOVAL AND INSTALLATION WITH RESPECTIVE COMPANIES.

**UTILITY NOTES**

- DIP WATER MAIN PIPING UP TO 12-INCHES IN DIAMETER SHALL BE CLASS 350. DIP SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C150 AND AWWA C151. FITTINGS SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C151. PIPE JOINTS CONFIRM TO AWWA C111.
- 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.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UNDERGROUND UTILITIES AND REPORT CONFLICTS TO ENGINEER BEFORE CONSTRUCTION. CALL THE NC ONE CALL CENTER AT 1-800-832-4444.
- 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 10' HORIZONTAL SEPARATION BETWEEN GRAVITY AND EXISTING UTILITIES
- ALL CONTRACTORS TO COORDINATE ALL CONSTRUCTION ACTIVITIES AND UTILITY RELOCATION/INSTALLATION WITH UTILITY OWNERS.
- ALL PRIVATE UTILITIES (TELEPHONE, CABLE, GAS, POWER) TO BE INSTALLED BETWEEN BACK OF CURB AND RIGHT OF WAY LINE.
- 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 ENGINEER AFTER PLAN APPROVAL AND PRIOR TO CONSTRUCTION IN ORDER TO OBTAIN A STREET LIGHTING PLAN FOR THE SITE/SUBDIVISION PLANS.
- ALL UTILITY CASTINGS TO HAVE THE TOWN OF CARY EMBLEM CASTED ON LID.
- DO NOT EXCEED MANUFACTURERS RECOMMENDED DEFLECTION FOR WATER LINES.
- 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 1626 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**

DATE	TYPE	PLANTING RATE
AUG. 15	NDV	1 TALL FESCUE:300 LBS/ACRE
NOV. 1	MAR	1 TALL FESCUE:300 LBS/ACRE
JAN. 1	APR	15 TALL FESCUE:300 LBS/ACRE
JUN. 1	AUG	15 TALL FESCUE AND 15 LBS/ACRE
MAR. 1	APR	15 TALL FESCUE:300 LBS/ACRE
JUN. 1	JUN	15 SEROSA LESPEDEZA (UN-SCARIFIED):50 LBS/ACRE
SEP. 1	MAR	15 SEROSA LESPEDEZA (UN-SCARIFIED):70 LBS/ACRE
NOV. 1	MAR	15 TALL FESCUE:300 LBS/ACRE
JAN. 1	APR	15 TALL FESCUE:300 LBS/ACRE
MAR. 1	APR	15 TALL FESCUE:300 LBS/ACRE
MAY. 1	JUN	15 SEROSA LESPEDEZA (UN-SCARIFIED):70 LBS/ACRE
AUG. 1	NOV	15 TALL FESCUE:300 LBS/ACRE
NOV. 1	MAR	15 TALL FESCUE:300 LBS/ACRE
FEB. 1	APR	15 TALL FESCUE:300 LBS/ACRE
MAY. 1	JUN	15 SEROSA LESPEDEZA (UN-SCARIFIED):70 LBS/ACRE
AUG. 1	NOV	15 TALL FESCUE:300 LBS/ACRE
NOV. 1	MAR	15 TALL FESCUE:300 LBS/ACRE

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PROJECT # 06-007 DATE: 06/20/08  
DRAWN BY: MB CHECKED BY: DS  
TITLE: GENERAL NOTES  
SHEET: C0.1

Approved by: *DIC* Date: *7-28-08*  
Planning: *SS* Date: *12-14-08*  
Engineering: *SS* Date: *12/18/08*

06-SP-047-A  
APPROVED  
TOWN OF CARY