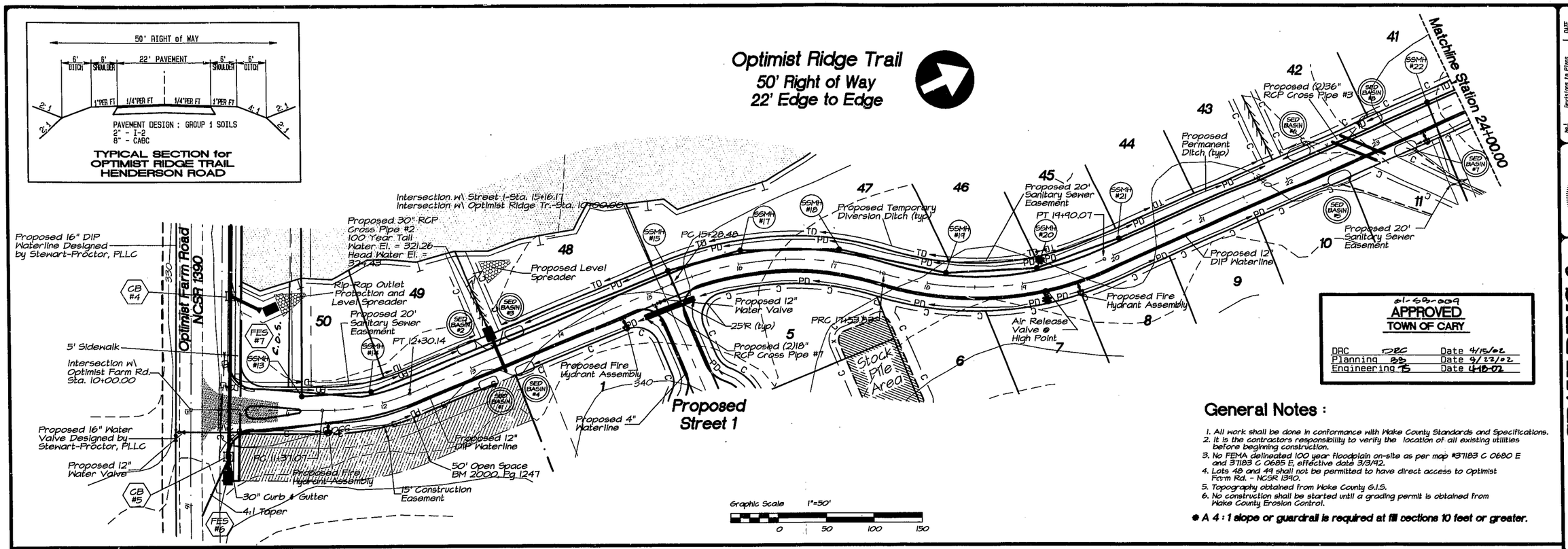
TYPICAL SECTION for OPTIMIST RIDGE TRAIL HENDERSON ROAD



General Notes :

1. All work shall be done in conformance with Wake County Standards and Specifications.
2. It is the contractors responsibility to verify the location of all existing utilities before beginning construction.
3. No FEMA delineated 100 year floodplain on-site as per map #371183 C 0680 E and 371183 C 0685 E, effective date 3/3/92.
4. Lots 48 and 49 shall not be permitted to have direct access to Optimist Farm Rd. - NCSR 1390.
5. Topography obtained from Wake County G.I.S.
6. No construction shall be started until a grading permit is obtained from Wake County Erosion Control.

*** A 4 : 1 slope or guardrail is required at fill sections 10 feet or greater.**

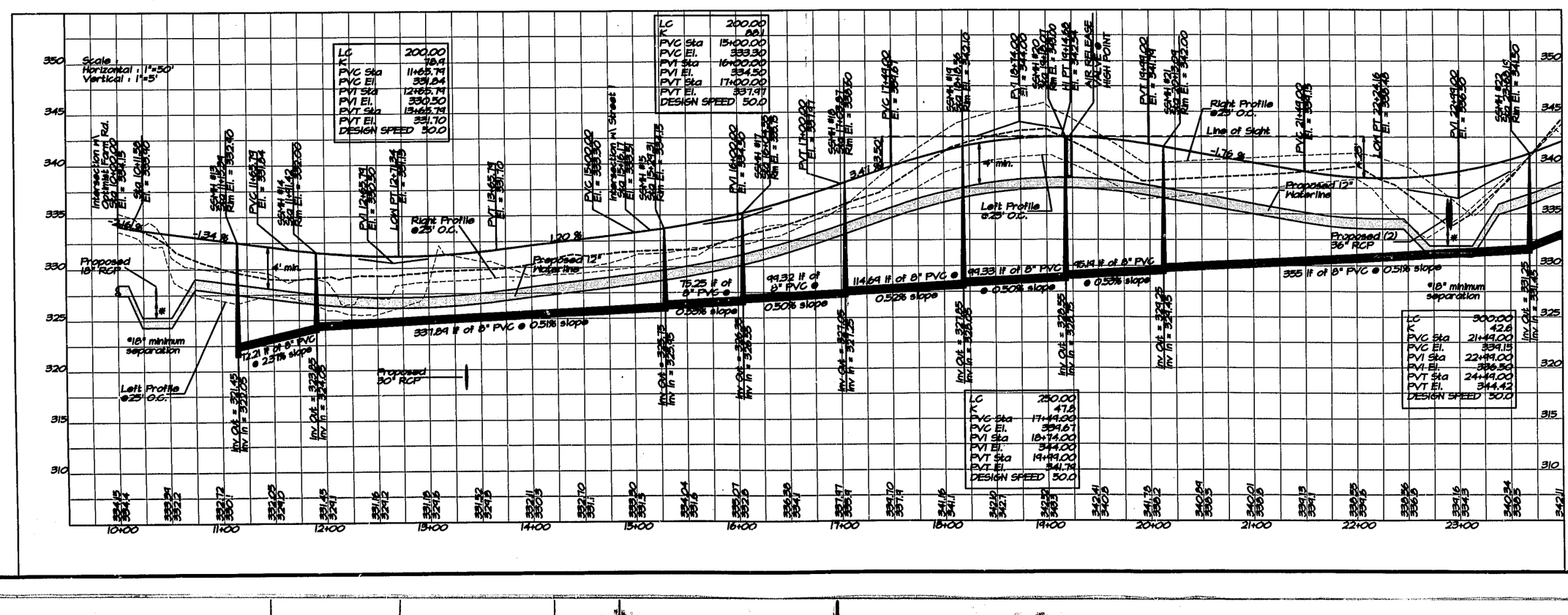
01-58-009
APPROVED
TOWN OF CARY

DRC	DRC	Date 4/15/02
Planning	BS	Date 9/23/02
Engineering	TS	Date 4-10-02

No.	Revisions to Plans	DATE
1.	1st Construction Submittal	01-7-02
2.	2nd Construction Submittal	5-17-02
3.	3rd Construction Submittal	8-7-02
4.	4th Construction Submittal	10-25-02
5.	5th Construction Submittal	04-03-03
6.		
7.		
8.		
9.		
10.		
11.		

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 20048 STEPHANIE L. SIMONS 3/11/03

SPAULDING & NORRIS, PA
Design Consultants
972 Trinity Road
Raleigh, North Carolina 27607
Phone (919) 854-7990 Fax (919) 854-7925


Scale
Horizontal : 1"=50'
Vertical : 1"=5'
LC 200.00
K 18.9
PVC Sta 11+65.79
PVC El 331.84
PVT Sta 12+65.79
PVI El. 330.50
PVT Sta 13+65.79
PVT El. 331.70
DESIGN SPEED 50.0
LC 200.00
K 8.81
PVC Sta 15+00.00
PVC El. 333.30
PVI Sta 16+00.00
PVI El. 334.50
PVT Sta 17+00.00
PVT El. 337.91
DESIGN SPEED 50.0
LC 250.00
K 47.8
PVC Sta 17+49.00
PVC El. 339.67
PVI Sta 18+74.00
PVI El. 344.00
PVT Sta 19+99.00
PVT El. 341.74
DESIGN SPEED 50.0
LC 300.00
K 42.8
PVC Sta 21+49.00
PVC El. 339.15
PVI Sta 22+49.00
PVI El. 336.50
PVT Sta 24+49.00
PVT El. 344.42
DESIGN SPEED 50.0
Proposed 18" RCP
*18" minimum separation
Left Profile @25' O.C.
-1.16 %
-1.34 %
1.20 %
4' min.
Proposed 12" Waterline
Right Profile @25' O.C.
Proposed 30" RCP
Proposed (2) 36" RCP
Line of Sight
-1.76 %
-4.23 %
4" min.
AIR RELEASE VALVE @ HIGH POINT
12.21 lf of 8" PVC @ 2.57% slope
337.84 lf of 8" PVC @ 0.51% slope
75.25 lf of 8" PVC @ 0.53% slope
99.32 lf of 8" PVC @ 0.50% slope
114.69 lf of 8" PVC @ 0.528% slope
99.33 lf of 8" PVC @ 0.50% slope
45.19 lf of 8" PVC @ 0.53% slope
355 lf of 8" PVC @ 0.51% slope
Inv Out = 331.45
Inv In = 330.08
Inv Out = 333.25
Inv In = 332.10
Inv Out = 334.05
Inv In = 332.90
Inv Out = 336.32
Inv In = 334.94
Inv Out = 337.85
Inv In = 336.50
Inv Out = 339.25
Inv In = 337.85
Inv Out = 340.65
Inv In = 339.25
Inv Out = 342.25
Inv In = 340.85
Inv Out = 343.85
Inv In = 342.45
Inv Out = 345.45
Inv In = 344.05
Inv Out = 347.05
Inv In = 345.65
Inv Out =