

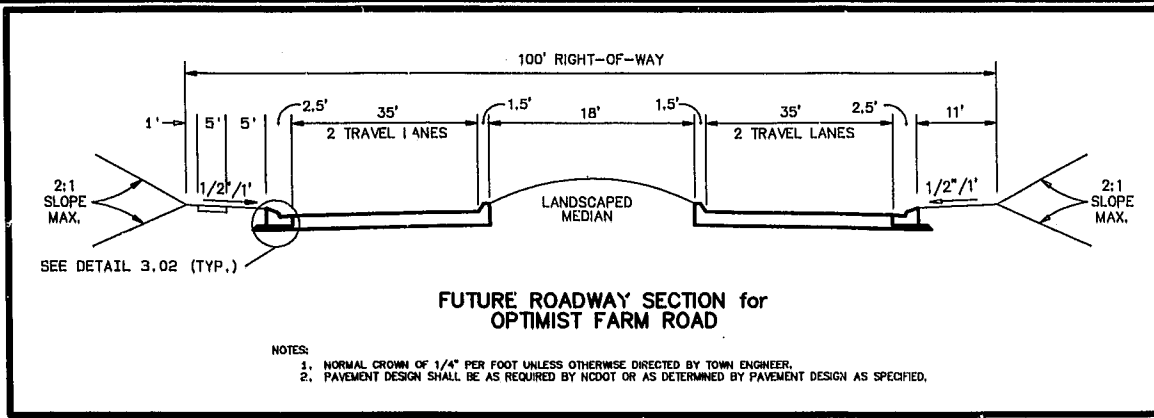
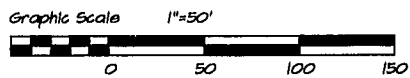
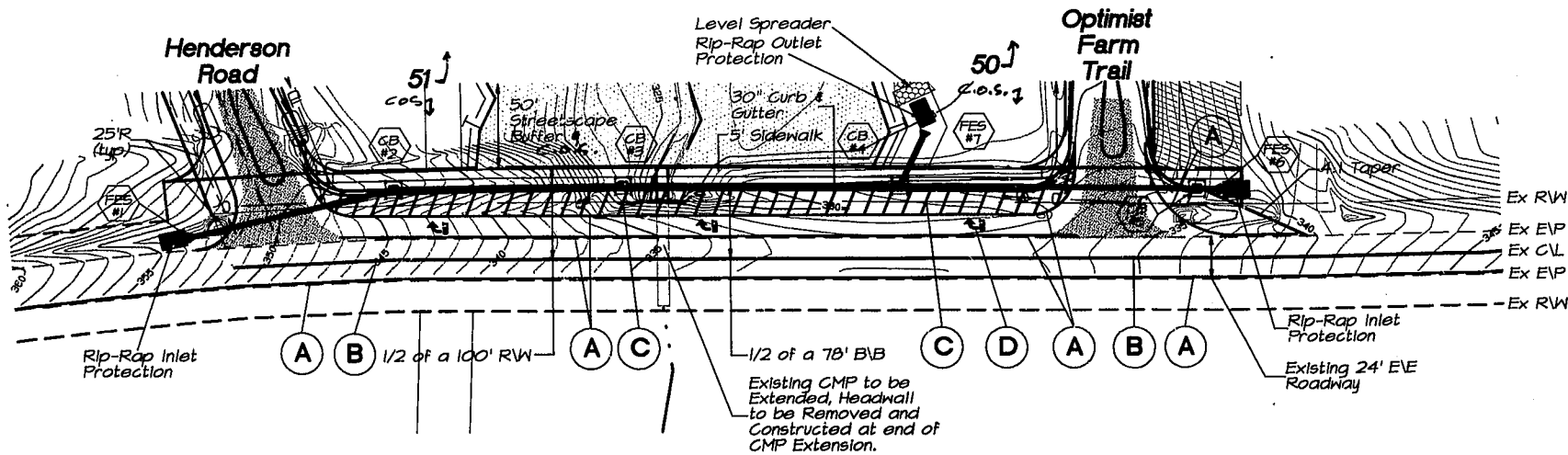
STRIPING LEGEND

- (A) 4" WHITE EDGE LINE
NCDOT STD. 1205.01
- (B) 4" DOUBLE YELLOW CENTER LINE
NCDOT STD. 1205.01
- (C) 8" WHITE DIAGONAL LINE
NCDOT STD. 1205.01
- (D) STANDARD ARROW SYMBOLS
NCDOT STD. 1205.08

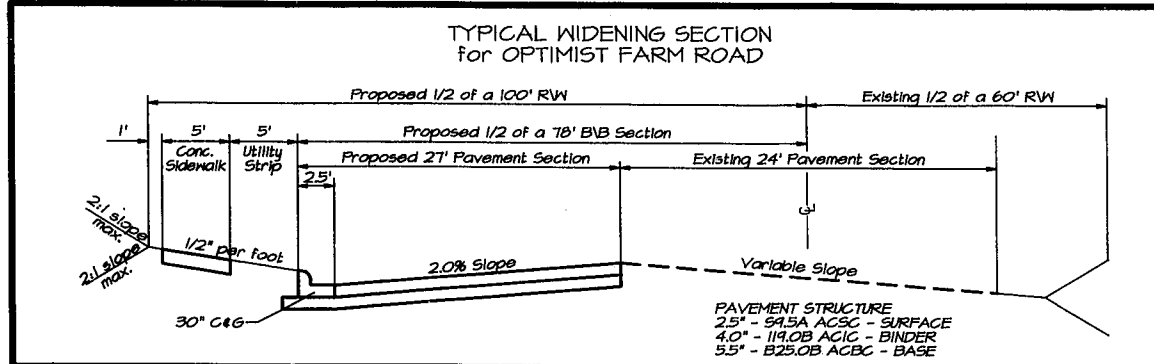


Optimist Farm Road

Existing 60' Right of Way, 24' Edge to Edge
Proposed 1/2 of a 100' Right of Way, 18' Back to Back

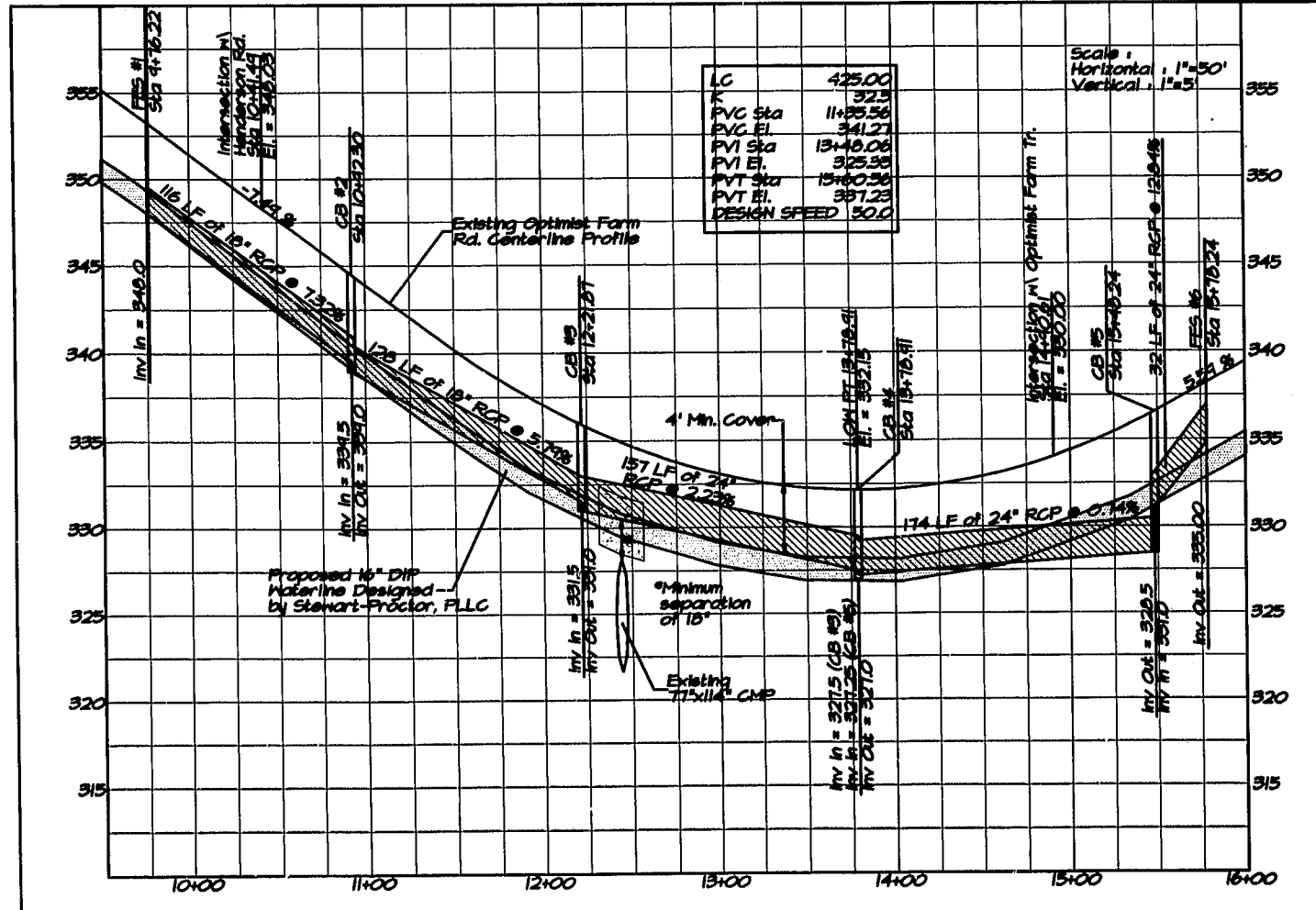


- NOTES:
- NORMAL CROWN OF 1/4" PER FOOT UNLESS OTHERWISE DIRECTED BY TOWN ENGINEER.
 - PAVEMENT DESIGN SHALL BE AS REQUIRED BY NCDOT OR AS DETERMINED BY PAVEMENT DESIGN AS SPECIFIED.



General Notes :

- All work shall be done in conformance with Wake County Standards and Specifications.
- It is the contractor's responsibility to verify the location of all existing utilities before beginning construction.
- No FEMA delineated 100 year floodplain on-site as per map #37103 C 0680 E and #37103 C 0695 E, effective date 3/31/92.
- Lots 4B and 49 shall not be permitted to have direct access to Optimist Farm Rd. - NCSR 1340.
- Topography obtained from Wake County G.I.S.
- No construction shall be started until a grading permit is obtained from Wake County Erosion Control.



LC	425.00
K	32.5
PVC Sta	11+85.58
PVI Sta	13+40.08
PVI El.	325.33
PVT Sta	15+00.58
PVT El.	327.23
DESIGN SPEED	50.0

From	To	Sub Area	Total Area	Frequency	C Factor	Q (cfs)	Q (MGD)	Flow Vel (ft/s)	Flow Vel (mph)	Full Pipe Capacity (cfs)	Length (ft)	Unit Invert (ft)	Unit Outlet (ft)	US 1000 EL (ft)	
FEB 1	CB 2	4.88	4.88	7.23	0.42	15.9	18.9	0.98	13.8	18	18.2	348.3	118	348.00	339.50
CB 2	CB 3	0.13	0.01	7.23	0.42	0.4	16.3	0.08	18.2	18	18.4	27.44	128	339.00	331.80
CB 3	CB 4	0.12	0.13	7.23	0.42	0.4	16.7	0.02	18.4	24	127.3	38.46	137	331.00	332.60
FEB 8	CB 4	3.78	3.78	7.23	0.42	13.2	15.2	0.35	17.8	18	21.0	40.08	32	338.00	331.00
CB 5	CB 4	0.28	3.40	7.23	0.42	12.4	14.4	0.07	20.3	24	8.1	20.71	174	338.80	327.25
CB 4	FEB 7	0.38	6.32	7.23	0.42	1.3	30.3	0.04	19.9	24	15.8	43.78	31	327.60	335.60

STORM SEWER STRUCTURE No.	APRON SIZE (Length, Width, Thickness)	RIP RAP TYPE
FEB 7	18" X 6" X 24 INCHES	Class "A" Stone D ₅₀ =13"

STORM SEWER STRUCTURE No.	APRON SIZE (Length, Width, Thickness)	RIP RAP TYPE
FEB 1	6" X 6" X 12 INCHES	Class "A" Stone D ₅₀ =3"
FEB 8	6" X 6" X 12 INCHES	Class "A" Stone D ₅₀ =3"

APPROVED
TOWN OF CARY

DRC _____ Date 4/15/12
 Planning _____ Date 4/17/12
 Engineering _____ Date 4-18-12

SPAULDING & NORRIS, PA
 Design Consultants
 972 Trinity Road 27607 Raleigh, North Carolina
 Phone (919) 854-7990 Fax (919) 854-7995

S&N

PROJECT NUMBER
309-2001