DocuSign Envelope ID: 5E64731B-7822-4816-88D4-3690FE21E37D

Kimley»Horn
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, N.C. 27601
© 2023

PROJECT REFERENCE NO.	SHEET NO.
P-5720	6
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 18903 ENGINEER GREGORY E. BREWER — 1/30/2024
HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 026480 ENGINEER LARRY D. ROBINSON, JR. — 1/30/2024

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

5/14/99

REVISIONS

12/21/2023

MATCHLINE -L- STA 35+00.00
SEE PLAN SHEET 5

NAD 83/NSRS 2007

-L- PI Sta 36+43.09
Δ = 14°13' 25.9" (RT)
D = 5° 43' 46.5"
L = 248.25'
T = 124.77'
R = 1,000.00'
SE = 0.04

-L- PI Sta 42+62.30
Δ = 8° 04' 23.2" (LT)
D = 5° 43' 46.5"
L = 140.90'
T = 70.57'
R = 1,000.00'
SE = 0.04

-L- PI Sta 48+16.79
Δ = 0° 08' 53.8" (LT)
D = 0° 07' 51.5"
L = 113.23'
T = 56.62'
R = 43,751.02'

-L- PI Sta 48+76.39
Δ = 0° 00' 30.5" (LT)
D = 0° 08' 31.4"
L = 5.96'
T = 2.98'
R = 40,336.05'

-L- PC Sta. 35+18.32

-L- PT Sta. 37+66.57

-L- POT Sta. 37+75.56 =
-Y4- POT Sta. 14+15.73

S 54° 12' 04.6" E

-L- PC Sta. 41+91.73

-L- PT Sta. 43+32.63

S 62° 16' 27.8" E

-L- PT Sta. 48+79.37

-L- PCC Sta. 48+73.41

END TIP PROJECT P-5720
-L- POT Sta. 46+75.00

S 62° 25' 52.1" E

-L- SR 2006 (DURANT RD)

-Y4- GARVEY DR

N 28° 46' 31.4" E

CAPITAL HILLS DR

-L- PC Sta. 47+60.18

BEGIN CONSTRUCTION
-Y4- POT Sta. 11+70.00

END CONSTRUCTION
-L- POT Sta. 49+50.00

-Y4- POT Sta. 10+00.00

(IA) SPECGX LLC
DB 16993 – PG 748
BM 2018 – PG 1086

(1) (1Z) MALLINCKRODT INC.
~~DB 8529 – PG 944~~
~~BM 1885 – PG 106~~
~~BM 2000 – PG 2017~~

(14) SURFS UP PROPERTIES LLC
DB 12623 - PG 2181
BM 1985 - PG 1097
BM 2000 - PG 2015

(15) THE REDEEMED CHRISTIAN CHURCH OF GOD INC.
DB 13273 - PG 2600
BM 1985 - PG 1097

(16) (16Z) IMPORT CAR CENTER LLC
DB 11529 - PG 592
BM 1969 - PG 10

(17) MLC AUTOMOTIVE LLC
DB 8488 – PG 263
BM 2010 – PG 88
BM 2000 – PG 2017

MICHAEL PROPERTIES LLC
DB 9483 – PG 279
BM 1985 – PG 1097
BM 2000 – PG 2015

JOHN W. ROSSER & WIFE CAROL F.
DB 9746 - PG 63
BM 1985 - PG 1097

TOE PROTECTION
SEE DETAIL 11/SHEET 2D-1
EST 600 SY

REMOVE AND REPLACE CB

ADJUST EXIST CB

RETAIN EXIST 42" RCP
REMOVE SEDIMENT AT OUTFALL

RETAIN EXIST 42" RCP
REMOVE SEDIMENT AND TREE AT PIPE ENTRANCE

TEMPORARY SHORING

15" CMP W/ELBOWS W/ROD & LUG CONNECTORS

OUTLET PROTECTION
CLASS B RIPRAP
EST 2 TONS
EST 7 SY GFD

STANDARD 'V' DITCH
W/CLASS B RIPRAP
SEE DETAIL 3/SHEET 2D-1
EST 130 TONS
EST 290 GFD

STANDARD 'V' DITCH
SEE DETAIL 4/SHEET 2D-1

SLOPE = 1.50%
BEGIN ELEV=292.00
END ELEV=291.46
DDE=12 CY SHOP CURVED GUARDRAIL R=35'

CONVERT CB TO 2GI TYPE D
SEE SHEET 2C-2

CONVERT CB TO JB W/MH COVER
SEE SHEET 2C-1

DO NOT DISTURB SIGN

2019 ADT / 2040 ADT			
-L- SR 2006 (DURANT RD)	20556 / 30600	20965 / 31100	-L- SR 2006 (DURANT RD)
DHV = 8%, DIR = 55%, TTST = 1%, DUAL = 2%	900 / 900	1308 / 1400	DHV = 8%, DIR = 55%, TTST = 1%, DUAL = 2%
DHV = 7%, DIR = 80%, TTST = 1%, DUAL = 2%	-Y4- GARVEY DRIVE: 2208 / 2300		

2019 ADT / 2040 ADT	CAPITAL HILLS DRIVE		
	DHV = 9%, DIR = 55%, TTST = 4%, DUAL = 4%	– / 3600	
-L- SR 2006 (DURANT RD)	20965 / 31100	– / 500	20026 / 30800 -L- SR 2006 (DURANT RD)
DHV = 8%, DIR = 55%, TTST = 1%, DUAL = 2%	3256 / 7000	2187 / 5200	DHV = 8%, DIR = 55%, TTST = 1%, DUAL = 2%
	DHV = 10%, DIR = 70%, TTST = 1%, DUAL = 4% CAPITAL HILLS DRIVE: 5539 / 13300		

REMOVE EXISTING PAVEMENT

SEE SHEET NOS. 7 & 8 FOR -L- PROFILE
SEE SHEET NO. 10 FOR -Y4- PROFILE