HINDE ENGINEERING
License No. C-2639
7520 E. Independence Blvd., Suite 230 Charlotte, NC 28227

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PROJECT REFERENCE NO.	SHEET NO.
W-5520	UC-5

DESIGNED BY: CDB
DRAWN BY: JNA
CHECKED BY: CDB
APPROVED BY: CLS
REVISED:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC.
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023047 COREY D BOUSQUET
Docusigned by: Corey D Bousquet PE
B2C2F92887BC49A...
11/15/2016
UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

SCALE: 0 50 100

NAD 83/2011

MATCH LINE -Y3- STA. 12+50 SEE SHEET UC-6

MATCH LINE -L2- STA. 215+00 SEE SHEET UC-6

PROP. 2-16" LINE STOPS WITH 12" BYPASS USING 12" HDPE, SDR 9 OR 12" PVC FUSIBLE, C900-DR 18 BYPASS PIPING

262' OF 12" HDPE, SDR 9 OR 12" FUSIBLE PVC, C900-DR18. TEMPORARY BYPASS PIPE IS INCIDENTAL TO 16" LINE STOP WITH BYPASS PAY ITEM

PROP. 218' OF 16" RJ WATER LINE (RJ DI, PC 350)
4-16"-22 1/2° RJ DI BENDS
SEE PROFILE 2 ON SHEET UC-10

ABANDON 216' OF 16" UTILITY PIPE (REMOVE AC PIPE)

RECONNECT 1 WATER METER (3/4" COPPER, TYPE K SERVICE, TAPPING SADDLE AND CORP. STOP)

NOTE:
THE ESTIMATED QUANTITY OF DUCTILE IRON WATER PIPE FITTINGS ON THIS PLAN SHEET IS 2000 POUNDS. THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL VARY BASED ON FIELD CONDITIONS.

MAHAIRAS, PETE DB 0276 PG 195 (4 parcels)
NOVIVIAN LN
25 CHAMI LLC DB 4273 PG 347
26 INDIAN PARTNERS LLC DB 4041PG 870
27 74 INDIAN TRAIL DONUTS LLC DB 3310 PG 517
28 WAL-MART REAL ESTATE BUSINESS TRUST DB 3763 PG 022
29 SAKRON LLC DB 1604 PG 253
30 RIVER OAKS I LLC DB 2049 PG 317
31 THOMPSON REALTY INVESTMENTS LLC DB 0937 PG 0882
32 ELAINE R. PG 537
33 ASPEN ASSET GROUP LLC DB 0989 PG 679

-L2- US 74
-L2- POT Sta.205+02.84
-Y3- POT Sta.10+00.00
-Y3- UNIONVILLE-INDIAN TRAIL RD.
-Y4- UNIONVILLE-INDIAN TRAIL RD.
-L2- POT Sta.213+00.14
-Y4- POT Sta.17+00.00
BEGIN CONSTRUCTION POT -L2- STA.205+10.00
-L2- POT 204°00'00.29" NT
-DRVI- POT Sta.5+00.00 S 24°17'13.4" W
PC Sta. 5+34.86
PT Sta. 5+93.87 S 22°40'20.8" E
POT Sta. 6+33.38
BEGIN CONSTRUCTION POT -Y4- STA.11+40.00
END CONSTRUCTION RT STA.-Y3- 12+00.00
BEGIN 2'-6" C&G STA.212+55.8 TIE TO EXISTING
END 2'-6" C&G STA.-Y3- 11+12.00 TIE TO EXISTING
BEGIN PROP. 6' SIDEWALK STA.212+55.8
END PROP. 6' SIDEWALK STA.-Y3- 11+12.00
BEGIN WIDEN STA.215.67
250' LEFT LANE SHIFT (6')
BEGIN 1.5' MILLING STA.208+00
END 1.5" MILLING STA.211+50
BEGIN PROP. DRIVEWAY 5+15.00
BEGIN C&G STA.204+91.95
TRANSITION FROM 1'-6" C&G TO 2'-6" C&G
END PROP. DRIVEWAY 6+25.00
TIE TO EXISTING 206+55.58
TIE TO EXISTING
PROP. RETAINING WALL
PROP. GUARDRAIL END SECTION
PROP. 12" PVC COVER
REMOVE EXISTING MONOLITHIC ISLAND
PROP. MONOLITHIC KEYED IN ISLAND (TIE TO EXISTING)
PROP. SURFACE MOUNTED MONOLITHIC ISLAND
PROP. 4' PAVED SHOULDERS
PROP. MONOLITHIC KEYED IN ISLAND
DRAINAGE CURB CUT. SEE INTERSECTION DETAILS AND SHEET 2 OF 3
GRASS MEDIAN
END KEYED IN MONOLITHIC ISLAND BEGIN 2' PAVED SHOULDER STA. 214+25.00
RETAIN SYSTEM
CLASS II RIP RAP SEE DETAIL E
210' TAPER
200' LEFT LANE SHIFT
225' TAPER
12" DI
8" PVC
12" PVC
15" RCP-IV
18" RCP
24" RCP
30" RCP
EXISTING R/W
EXIST O/H POW (PRIM)
EXIST O/H POW (SEC)