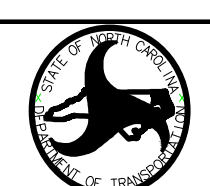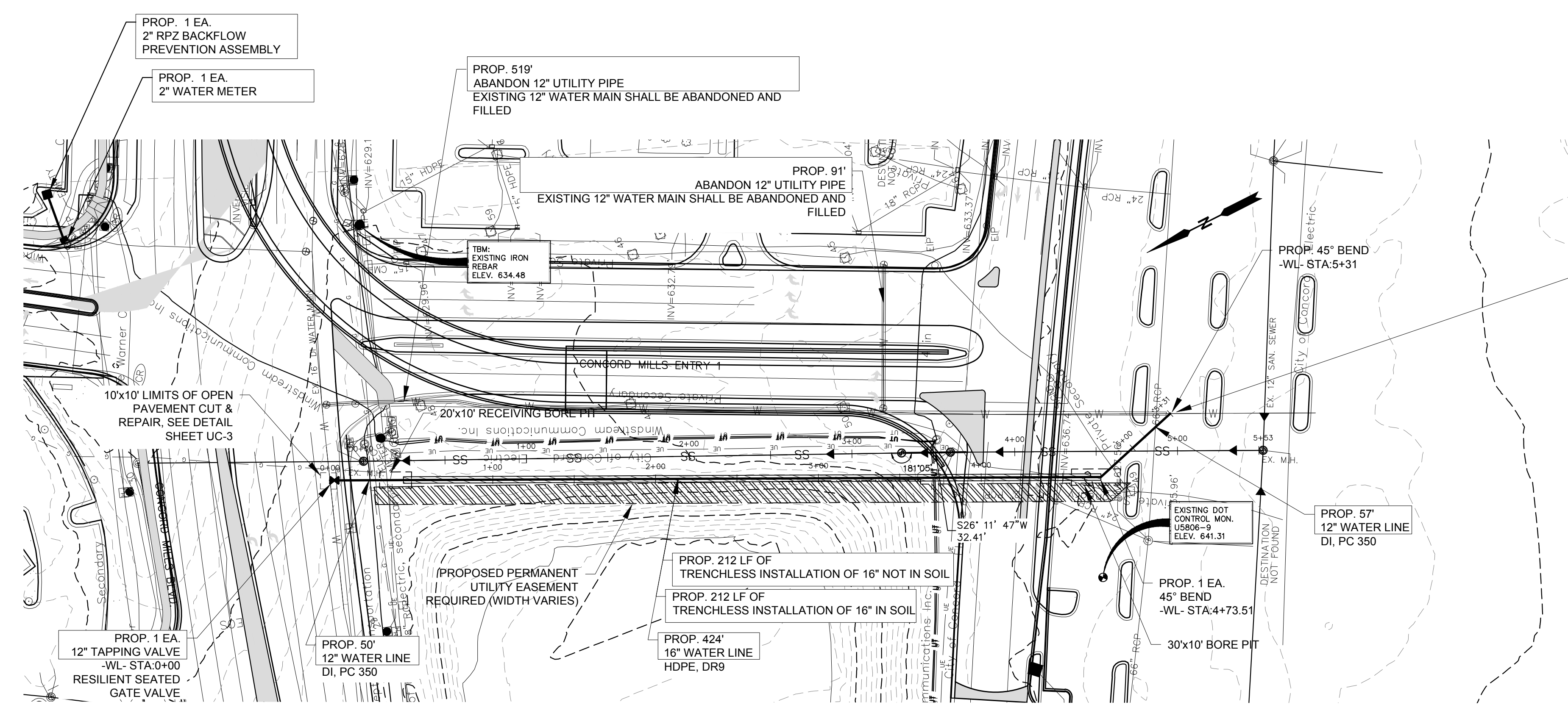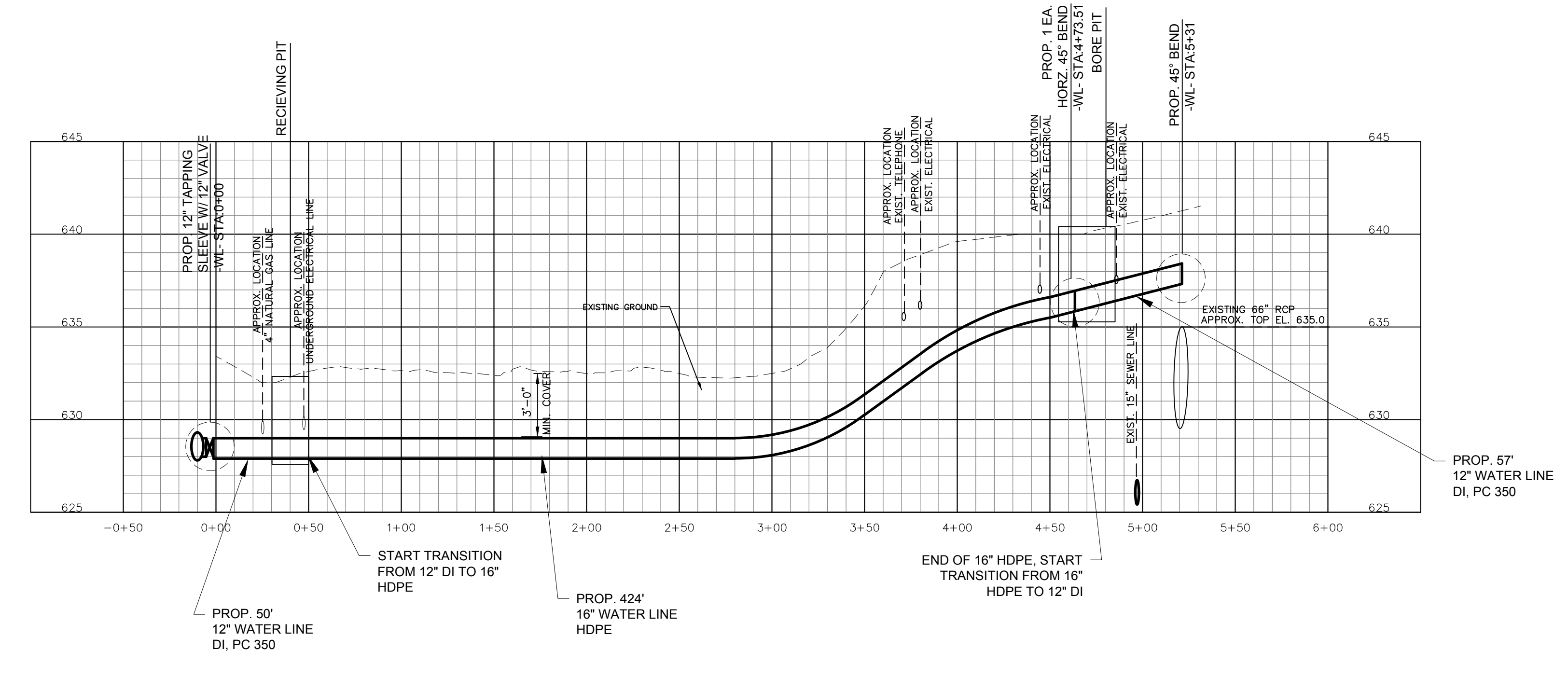| PROJECT REFERENCE NO.	SHEET NO.
U-5806	UC-5

DESIGNED BY: CMS
DRAWN BY: EES
CHECKED BY: CMS
APPROVED BY:
DATE: 12/08/2016
REVISED:

UTILITIES UNIT
UTILITIES ENGINEERING
SECTION

1555 MAIL SERVICES CENTER
RALEIGH NC 27699-1555
PHONE (919) 707-6690
FAX (919) 250-4151

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

NOTE:
CONTRACTOR TO COORDINATE CONNECTION WITH
CITY OF CONCORD WATER RESOURCES AND FIRE
MARSHALL TO ENSURE SERVICE AND FIRE
PROTECTION IS MAINTAINED TO MALL

NOTE:
THE ESTIMATED QUANTITY OF DUCTILE IRON WATER
PIPE FITTINGS ON THIS PLAN SHEET IS 1185 POUNDS.
THE ACTUAL QUANTITY AND TYPE OF FITTINGS WILL
VARY BASED ON FIELD CONDITIONS

PLAN

PROP. 1 EA.
2" RPZ BACKFLOW
PREVENTION ASSEMBLY

PROP. 1 EA.
2" WATER METER

PROP. 519'
ABANDON 12" UTILITY PIPE
EXISTING 12" WATER MAIN SHALL BE ABANDONED AND
FILLED

PROP. 91'
ABANDON 12" UTILITY PIPE
EXISTING 12" WATER MAIN SHALL BE ABANDONED AND
FILLED

PROP 45° BEND
-WL- STA:5+31

TBM:
EXISTING IRON
REBAR
ELEV. 634.48

10'x10' LIMITS OF OPEN
PAVEMENT CUT &
REPAIR, SEE DETAIL
SHEET UC-3

20'x10' RECEIVING BORE PIT

CONCORD MILLS ENTRY 1

EXISTING DOT
CONTROL MON.
U5806-9
ELEV. 641.31

S26° 11' 47"W
32.41'

PROP. 57'
12" WATER LINE
DI, PC 350

PROPOSED PERMANENT
UTILITY EASEMENT
REQUIRED (WIDTH VARIES)

PROP. 212 LF OF
TRENCHLESS INSTALLATION OF 16" NOT IN SOIL

PROP. 212 LF OF
TRENCHLESS INSTALLATION OF 16" IN SOIL

PROP. 1 EA.
45° BEND
-WL- STA:4+73.51

30'x10' BORE PIT

PROP. 1 EA.
12" TAPPING VALVE
-WL- STA:0+00
RESILIENT SEATED
GATE VALVE

PROP. 50'
12" WATER LINE
DI, PC 350

PROP. 424'
16" WATER LINE
HDPE, DR9

PLAN
SCALE: 1" = 50'

PROFILE

RECIEVING PIT

PROP. 12" TAPPING
SLEEVE W/12" VALVE
-WL- STA/0+00

APPROX. LOCATION
4" NATURAL GAS LINE

APPROX. LOCATION
UNDERGROUND ELECTRIC LINE

EXISTING GROUND

APPROX. LOCATION
EXIST. TELEPHONE

APPROX. LOCATION
EXIST. ELECTRICAL

PROP. 1 EA.
HORIZ 45° BEND
-WL- STA:4+73.51
BORE PIT

APPROX. LOCATION
EXIST. ELECTRICAL

APPROX. LOCATION
EXIST. ELECTRICAL

PROP. 45° BEND
-WL- STA:5+31

EXISTING 66" RCP
APPROX. TOP EL. 635.0

EXIST. 15" SEWER LINE

PROP. 57'
12" WATER LINE
DI, PC 350

START TRANSITION
FROM 12" DI TO 16"
HDPE

PROP. 50'
12" WATER LINE
DI, PC 350

PROP. 424'
16" WATER LINE
HDPE

END OF 16" HDPE, START
TRANSITION FROM 16"
HDPE TO 12" DI

PROFILE
SCALE: HORZ: 1" = 50'
       VERT: 1" = 5'

PREPARED BY
ENGINEERING DEPARTMENT
CITY OF CONCORD
CABARRUS COUNTY
P.O. BOX 308
CONCORD N.C. 28026
(704) 920-5425

Concord
NORTH CAROLINA
High Performance Living

NORTH CAROLINA
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SEAL
40766
CLINTON M.
ENGINEER
Engineer's Seal