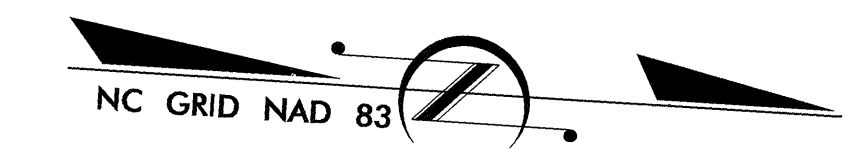


T.I.P. NO.	SHEET NO.
I-4413	UC-1

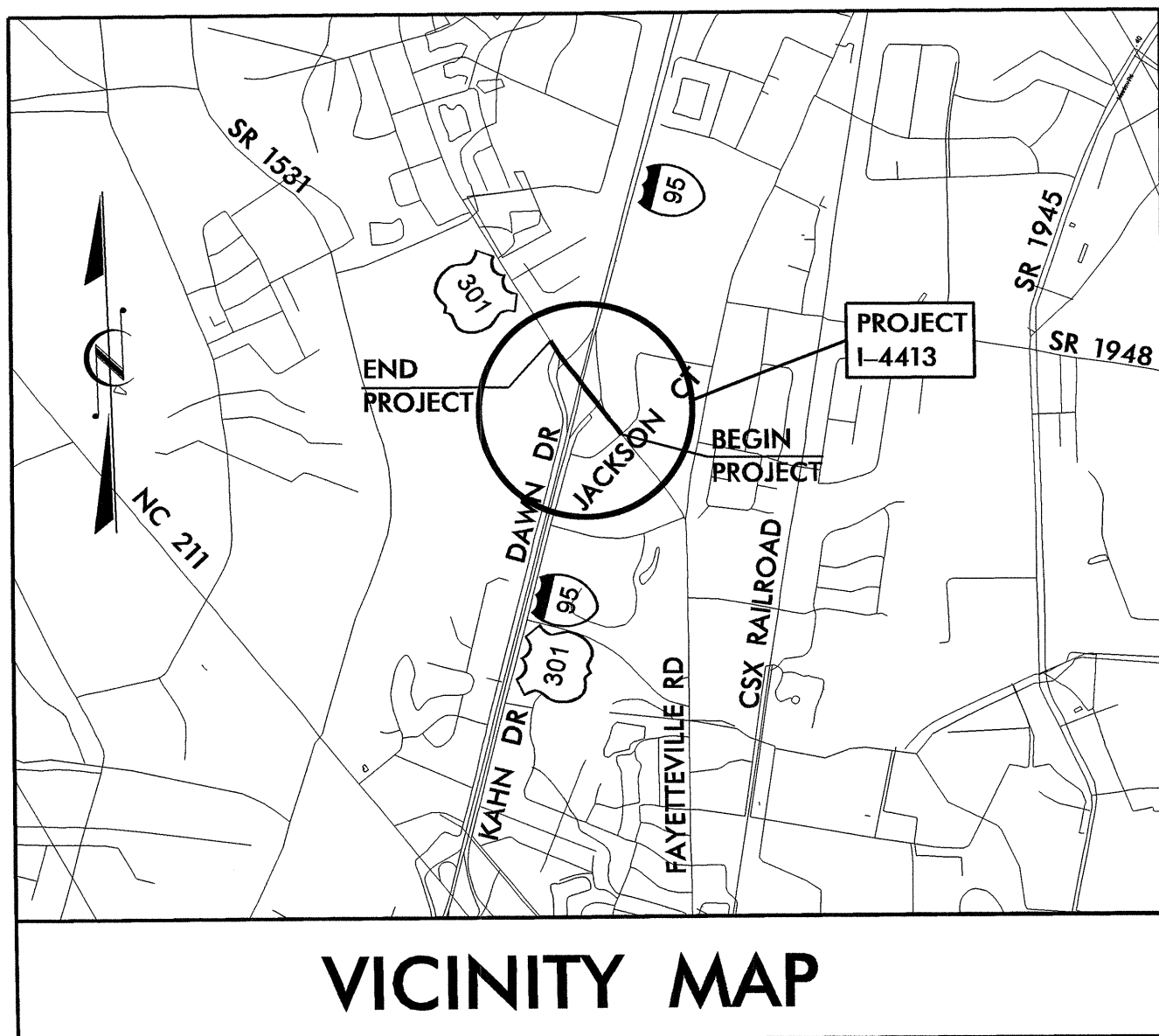
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITY CONSTRUCTION PLANS
ROBESON COUNTY**



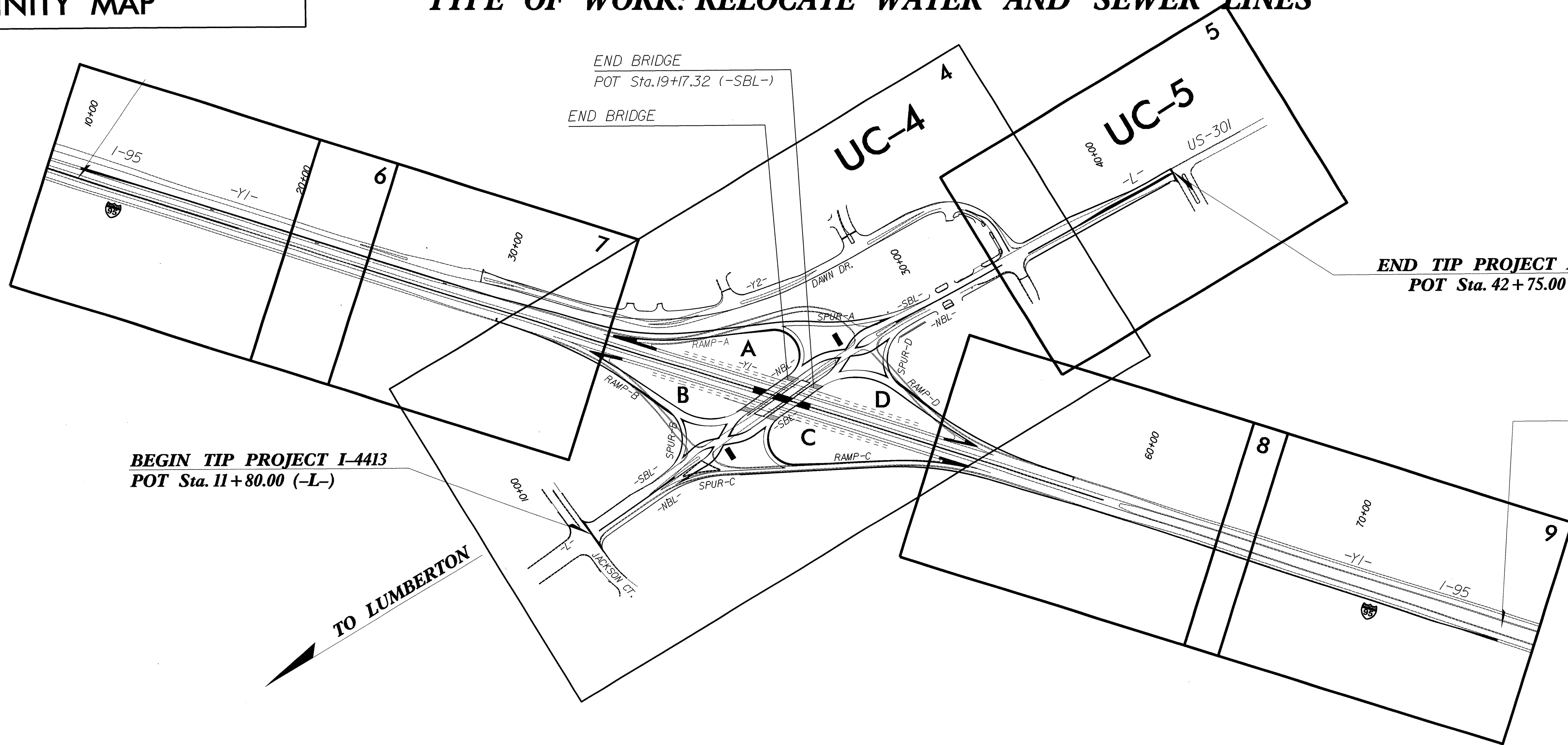
LOCATION: BRIDGE NO.36 ON US 301 (FAYETTEVILLE ROAD) OVER I-95 (EXIT 22)

TYPE OF WORK: RELOCATE WATER AND SEWER LINES



VICINITY MAP

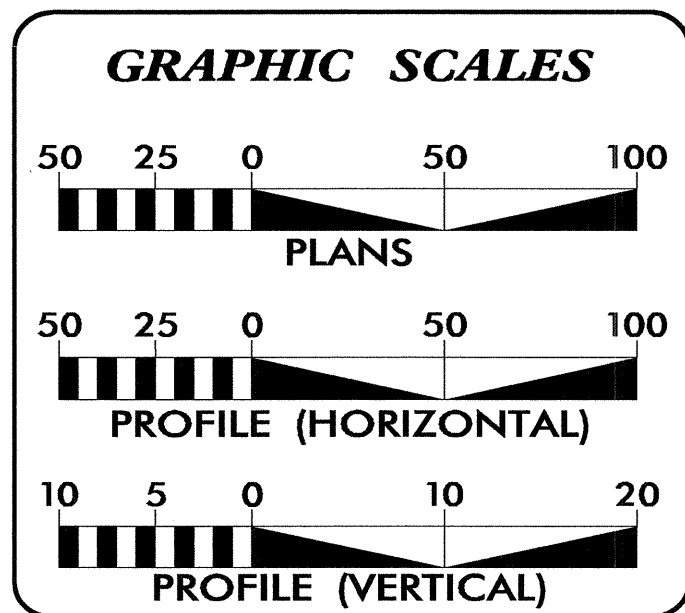
TIP PROJECT: I-4413



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POT Sta. 11+80.00 (-L-)**

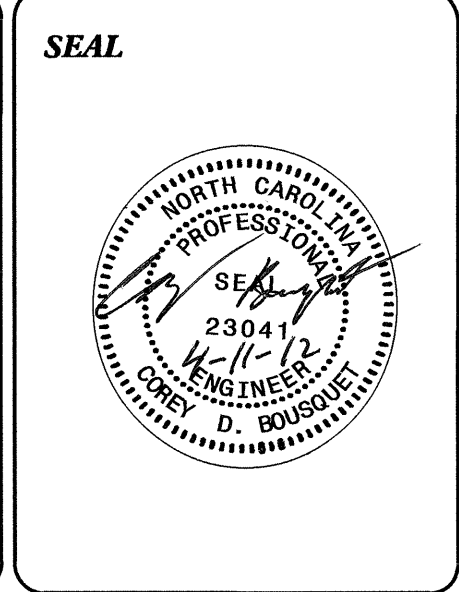
**END TIP PROJECT I-4413
POT Sta. 42+75.00 (-L-)**

**END CONSTRUCTION
POT Sta. 77+45.00 (-YI-)**



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	SYMBOLS SHEET
UC-3	NOTES & DETAILS SHEET
UC-4 THRU UC-5	UTILITY CONSTRUCTION PLAN SHEETS
UC-6 THRU UC-13	PROFILE SHEETS

WATER AND SEWER OWNERS ON PROJECT
(1) CITY OF LUMBERTON (WATER)
(2) CITY OF LUMBERTON (SEWER)



PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
UTILITIES ENGINEERING
SECTION**

1591 MAIL SERVICES CENTER
RALEIGH, NC 27699-1591
PHONE (919) 707-6690
FAX (919) 250-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Kifah Kamil UTILITIES PROJECT DESIGNER

11-APR-2012 10:28 R:\Utilities\RGY_Ut_Proj\I-4413_Ut_Title_UC1_psh.dgn \$\$\$USERNAME\$\$\$

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown)	
11 1/4 Degree Bend	
22 1/2 Degree Bend	
45 Degree Bend	
90 Degree Bend	
Plug	
Tee	
Cross	
Reducer	
Gate Valve	
Butterfly Valve	
Tapping Valve	
Line Stop	
Line Stop with Bypass	
Blow Off	
Fire Hydrant	
Relocate Fire Hydrant	
Remove Fire Hydrant	
Water Meter	
Relocate Water Meter	
Remove Water Meter	
Water Pump Station	
RPZ Backflow Preventer	
DCV Backflow Preventer	
Relocate RPZ Backflow Preventer	
Relocate DCV Backflow Preventer	

PROPOSED SEWER SYMBOLS

Gravity Sewer Line (Sized as Shown)	
Force Main Sewer Line (Sized as Shown)	
Manhole (Sized per Note)	
Sewer Pump Station	

PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Telephone Pedestal	
Utility Line by Others (Type as Shown)	
Trenchless Installation	
Encasement by Open Cut	
Encasement	

Thrust Block	
Air Release Valve	
Utility Vault	
Concrete Pier	
Steel Pier	
Plan Note	
Pay Item Note	

EXISTING UTILITIES SYMBOLS

Power Pole		*Underground Power Line	
Telephone Pole		*Underground Telephone Cable	
Joint Use Pole		*Underground Telephone Conduit	
Utility Pole		*Underground Fiber Optics Telephone Cable	
Utility Pole with Base		*Underground TV Cable	
H-Frame Pole		*Underground Fiber Optics TV Cable	
Power Transmission Line Tower		*Underground Gas Pipeline	
Water Manhole		Aboveground Gas Pipeline	
Power Manhole		*Underground Water Line	
Telephone Manhole		Aboveground Water Line	
Sanitary Sewer Manhole		*Underground Gravity Sanitary Sewer Line	
Hand Hole for Cable		Aboveground Gravity Sanitary Sewer Line	
Power Transformer		*Underground SS Forced Main Line	
Telephone Pedestal		Underground Unknown Utility Line	
CATV Pedestal		SUE Test Hole	
Gas Valve		Water Meter	
Gas Meter		Water Valve	
Located Miscellaneous Utility Object		Fire Hydrant	
Abandoned According to Utility Records		Sanitary Sewer Cleanout	
End of Information			

*For Existing Utilities
 Utility Line Drawn from Record (Type as Shown)
 Designated Utility Line (Type as Shown)

5/14/99

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 REV: 2/1/2012

UTILITY CONSTRUCTION

PROJECT REFERENCE NO.	SHEET NO.
I4413	UC-3
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2012.
2. THE EXISTING UTILITIES BELONG TO CITY OF LUMBERTON .
3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES, DIVISION OF ENVIRONMENTAL HEALTH. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES, DIVISION OF WATER QUALITY. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.
4. THE UTILITY OWNER OWNS THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.
5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND THE OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPROTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.

6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE, AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.
7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.
8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS, AT NIGHT, AND ON HOLIDAYS IF NECESSARY.
9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, " SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

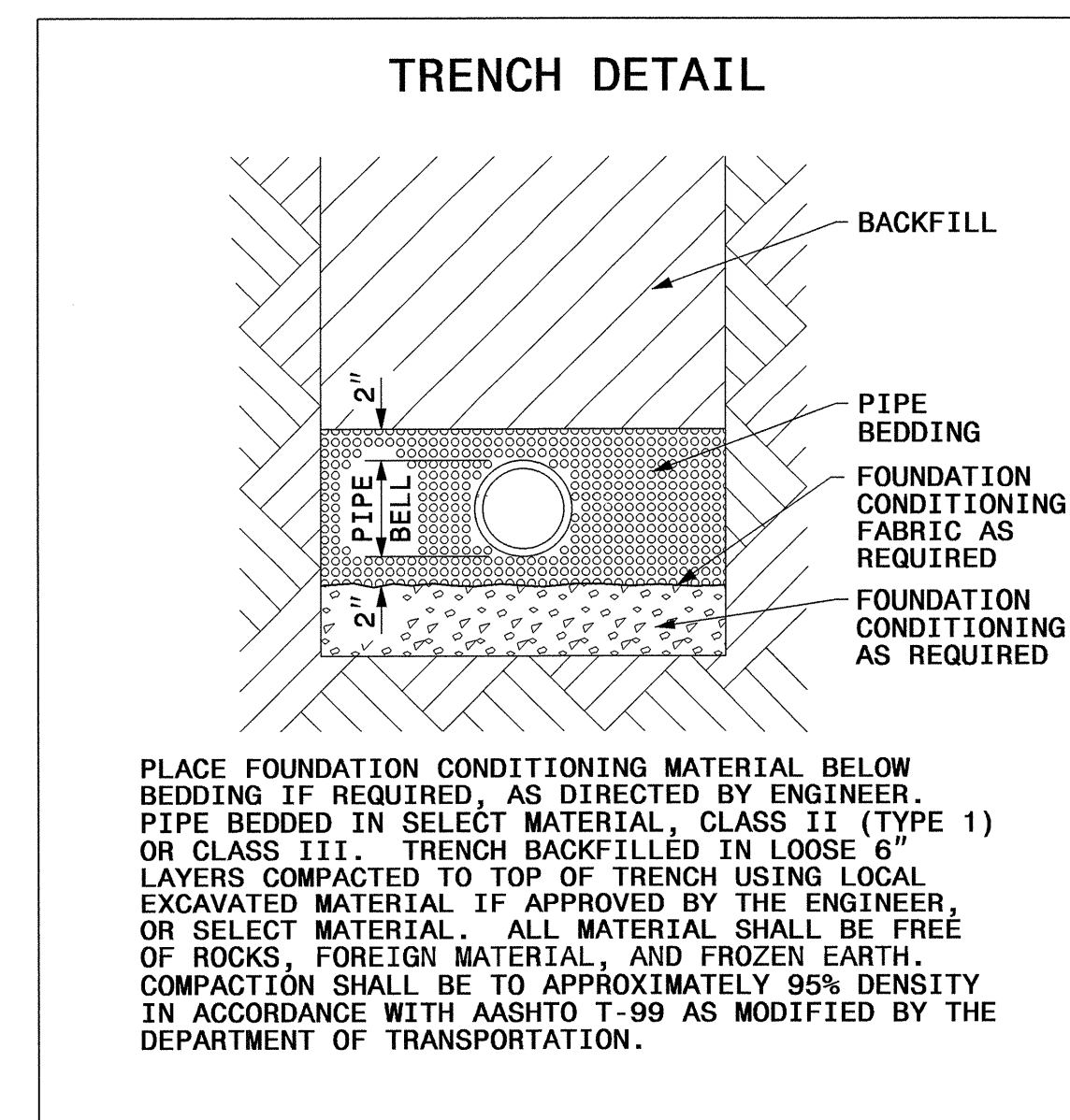
1. AIR & VACUUM SEWAGE VALVE WITH BACK FLUSHING ATTACHMENT SHALL BE IN ACCORDANCE WITH CITY OF LUMBERTON SPECIFICATIONS.
2. THE FORCE MAIN AND WATER LINE TO BE SUPPORTED ON SHEET UC-4A WILL BE INCIDENTAL TO THE 12" WATER LINE AND 6" FORCE MAIN PAY ITEMS

UTILITY CONSTRUCTION

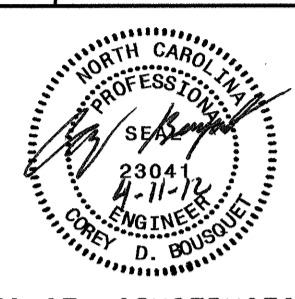
LIST OF STANDARD DRAWINGS

- 1515.01 WATER METER
- 1515.02 FIRE HYDRANT

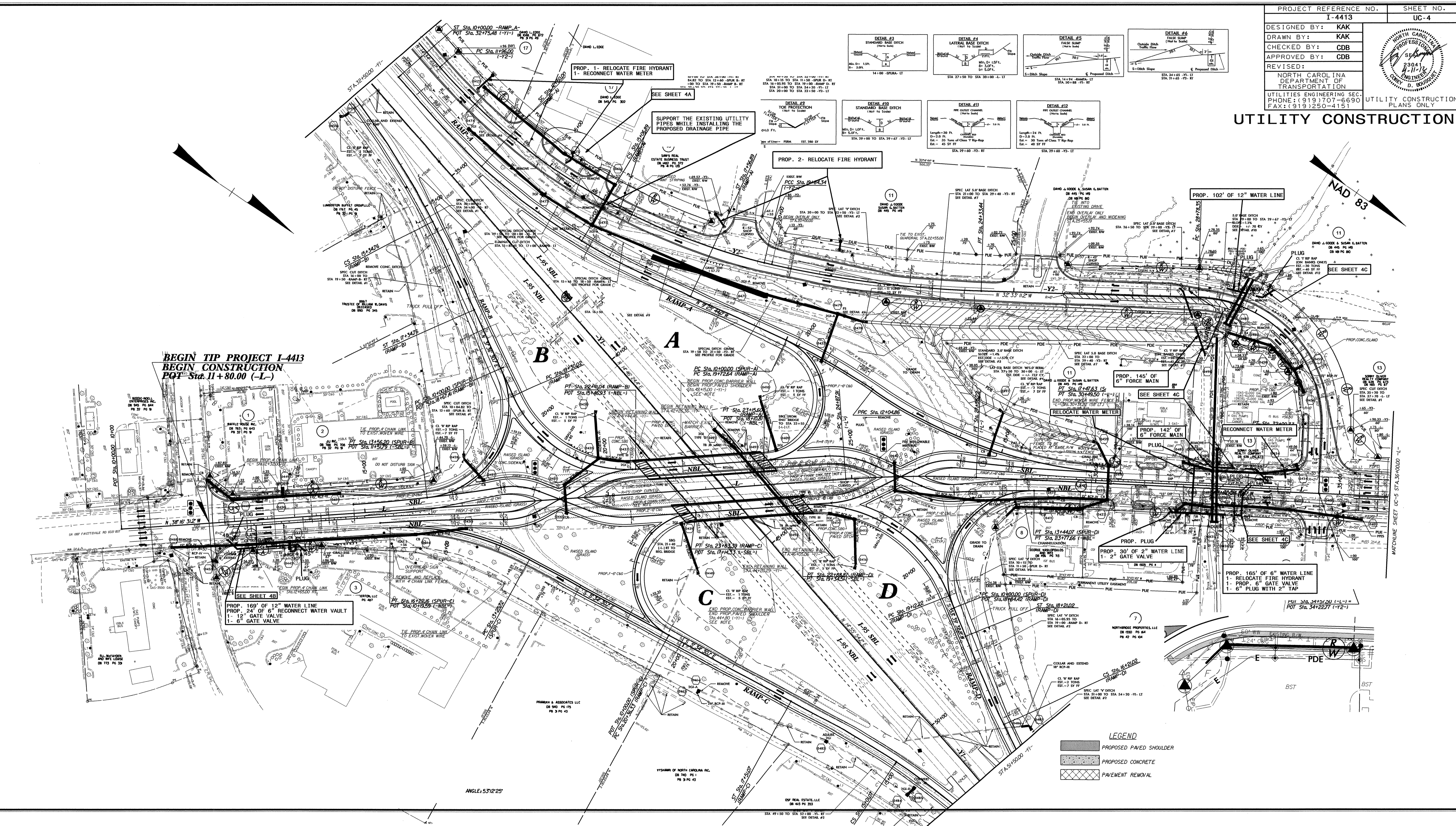
PROJECT TYPICAL DETAILS



PROJECT REFERENCE NO.	SHEET NO.
I-4413	UC-4
DESIGNED BY:	KAK
DRAWN BY:	KAK
CHECKED BY:	CDB
APPROVED BY:	CDB
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC.	
PHONE: (919) 707-6690	
FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	



UTILITY CONSTRUCTION

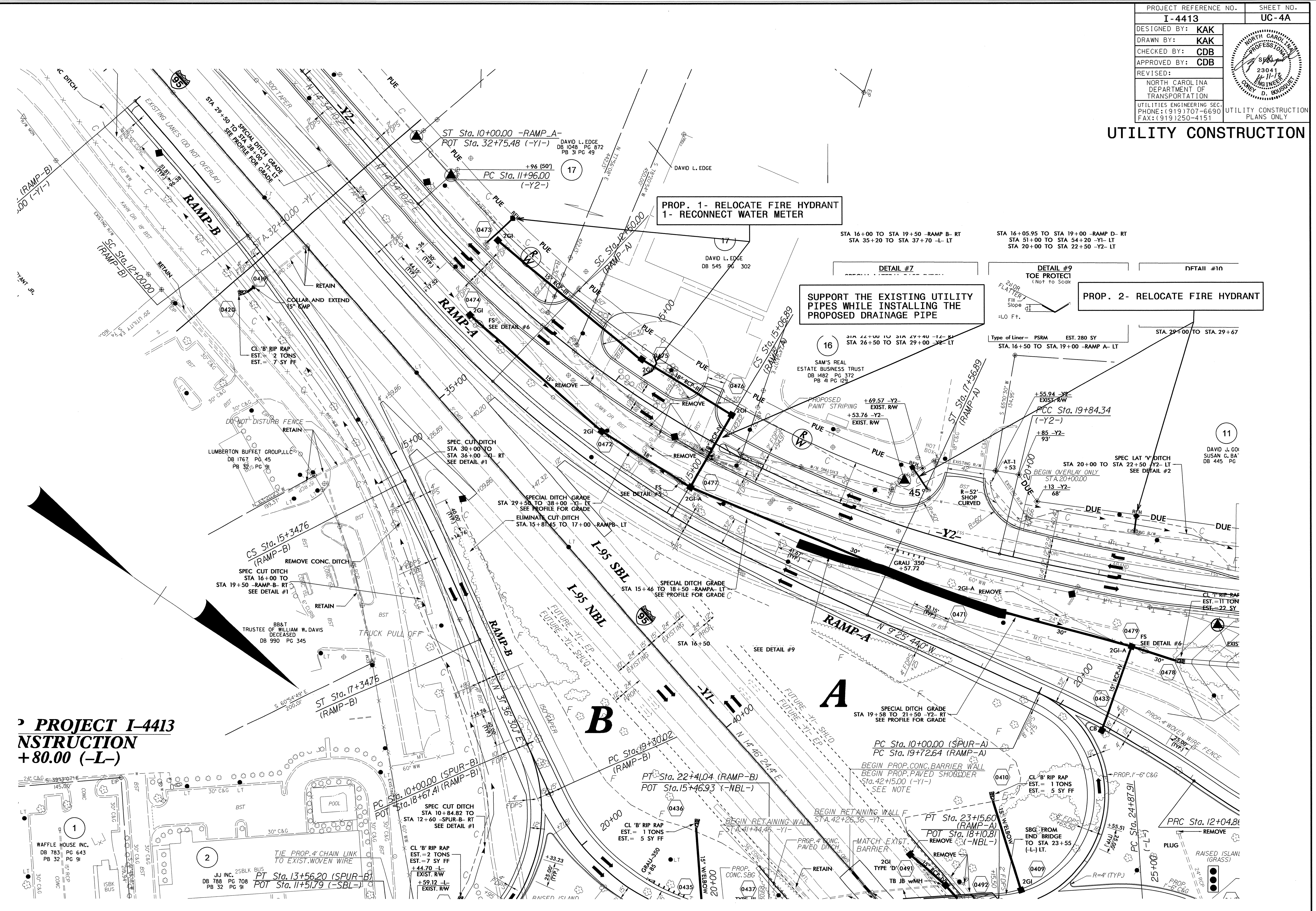


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 5/14/12

ANGLE: 53°12'25"


PROJECT REFERENCE NO.	SHEET NO.
I-4413	UC-4A
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION



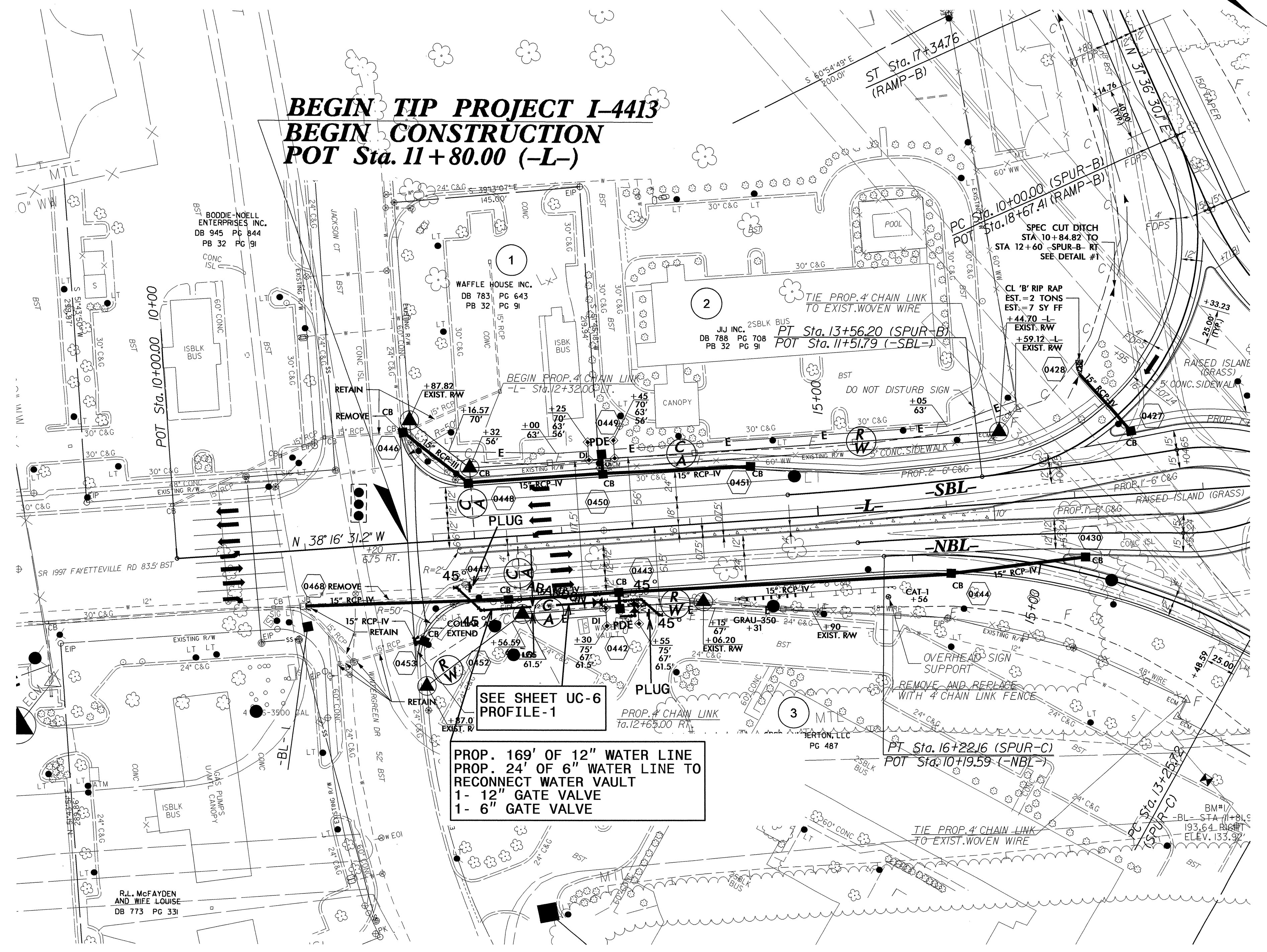
PROJECT I-4413
UTILITY CONSTRUCTION
+80.00 (-L-)

5/14/99
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PROJECT REFERENCE NO. I-4413	SHEET NO. UC-4B
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITY ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

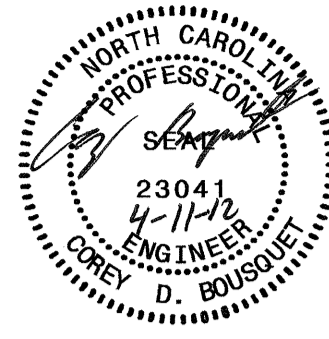
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BEGIN TIP PROJECT I-4413
BEGIN CONSTRUCTION
POT Sta. 11+80.00 (-L-)

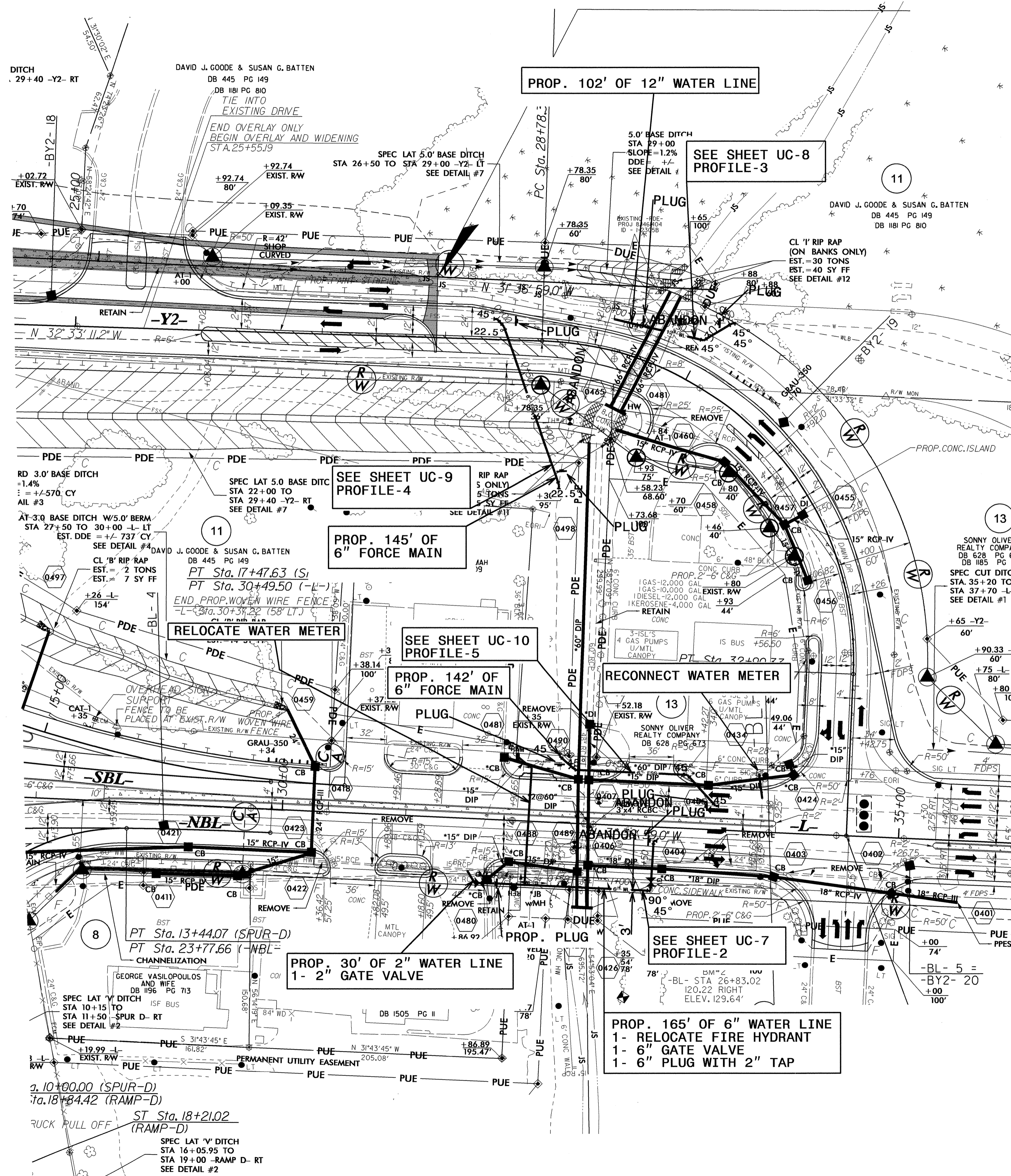


SEE SHEET UC-6
PROFILE-1

PROP. 169' OF 12" WATER LINE
PROP. 24' OF 6" WATER LINE TO
RECONNECT WATER VAULT
1- 12" GATE VALVE
1- 6" GATE VALVE

PROJECT REFERENCE NO.	SHEET NO.
I-4413	UC-4C
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SECTION PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

UTILITY CONSTRUCTION



PROP. 102' OF 12" WATER LINE

SEE SHEET UC-8
PROFILE-3

SEE SHEET UC-9
PROFILE-4

PROP. 145' OF
6" FORCE MAIN

SEE SHEET UC-10
PROFILE-5

PROP. 142' OF
6" FORCE MAIN

RECONNECT WATER METER

SEE SHEET UC-7
PROFILE-2

PROP. 30' OF 2" WATER LINE
1- 2" GATE VALVE

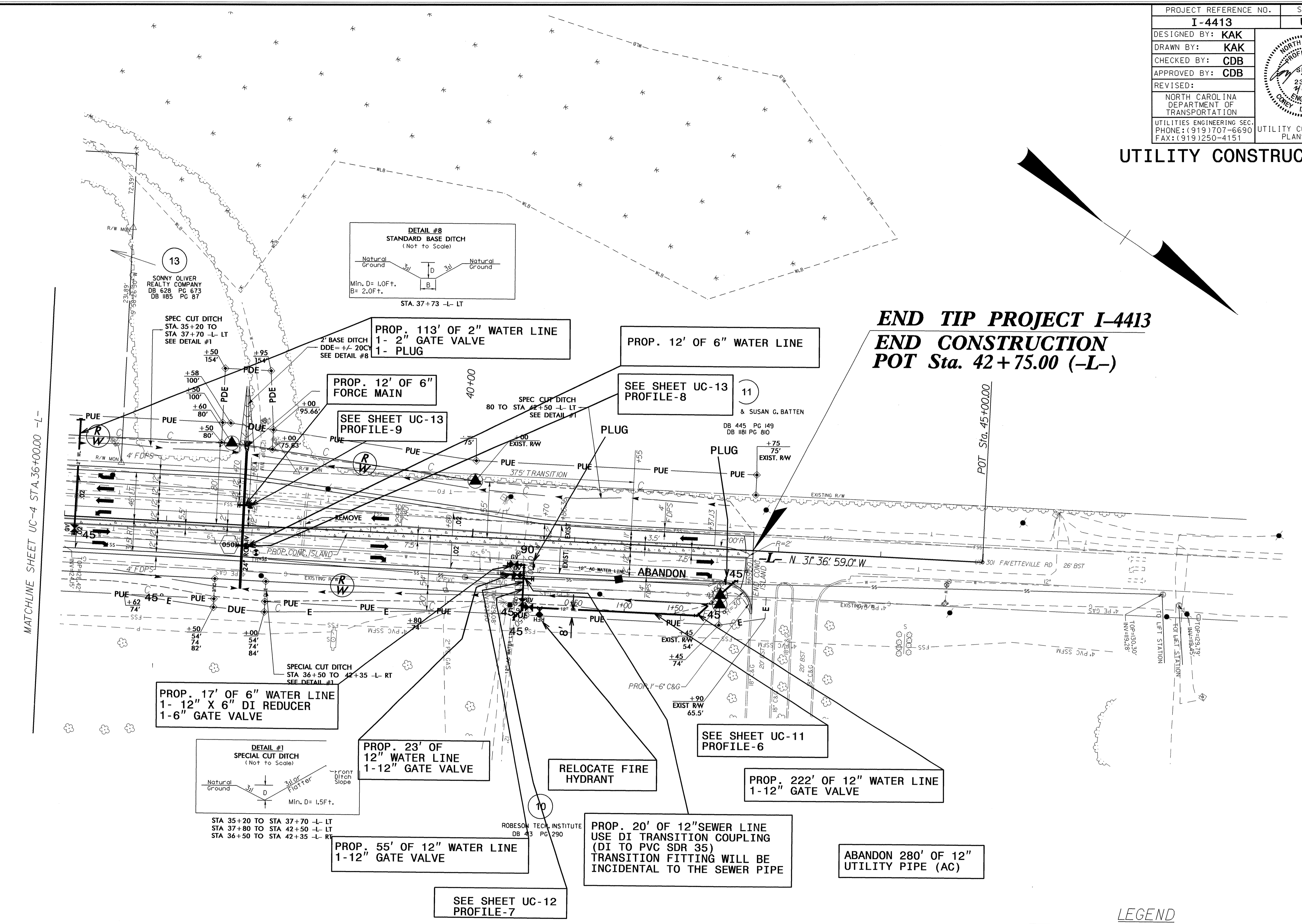
PROP. 165' OF 6" WATER LINE
1- RELOCATE FIRE HYDRANT
1- 6" GATE VALVE
1- 6" PLUG WITH 2" TAP

5/14/09

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PROJECT REFERENCE NO.	SHEET NO.
I-4413	UC-5
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DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

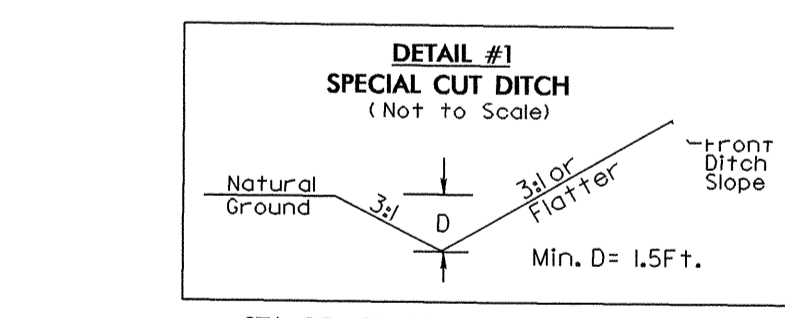
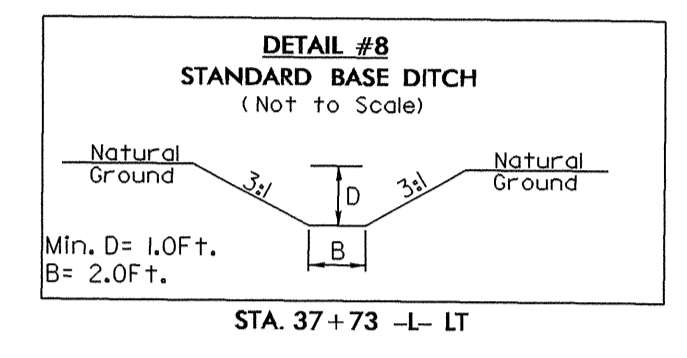
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END TIP PROJECT I-4413
END CONSTRUCTION
POT Sta. 42+75.00 (-L-)

MATCHLINE SHEET UC-4 STA. 36+00.00 -L-

POT Sta. 45+00.00



LEGEND

	PROPOSED PAVED SHOULDER
	PROPOSED CONCRETE

5/14/99

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 DATE: 10-16-2012
 PROJECT: I-4413-UC-5.dgn

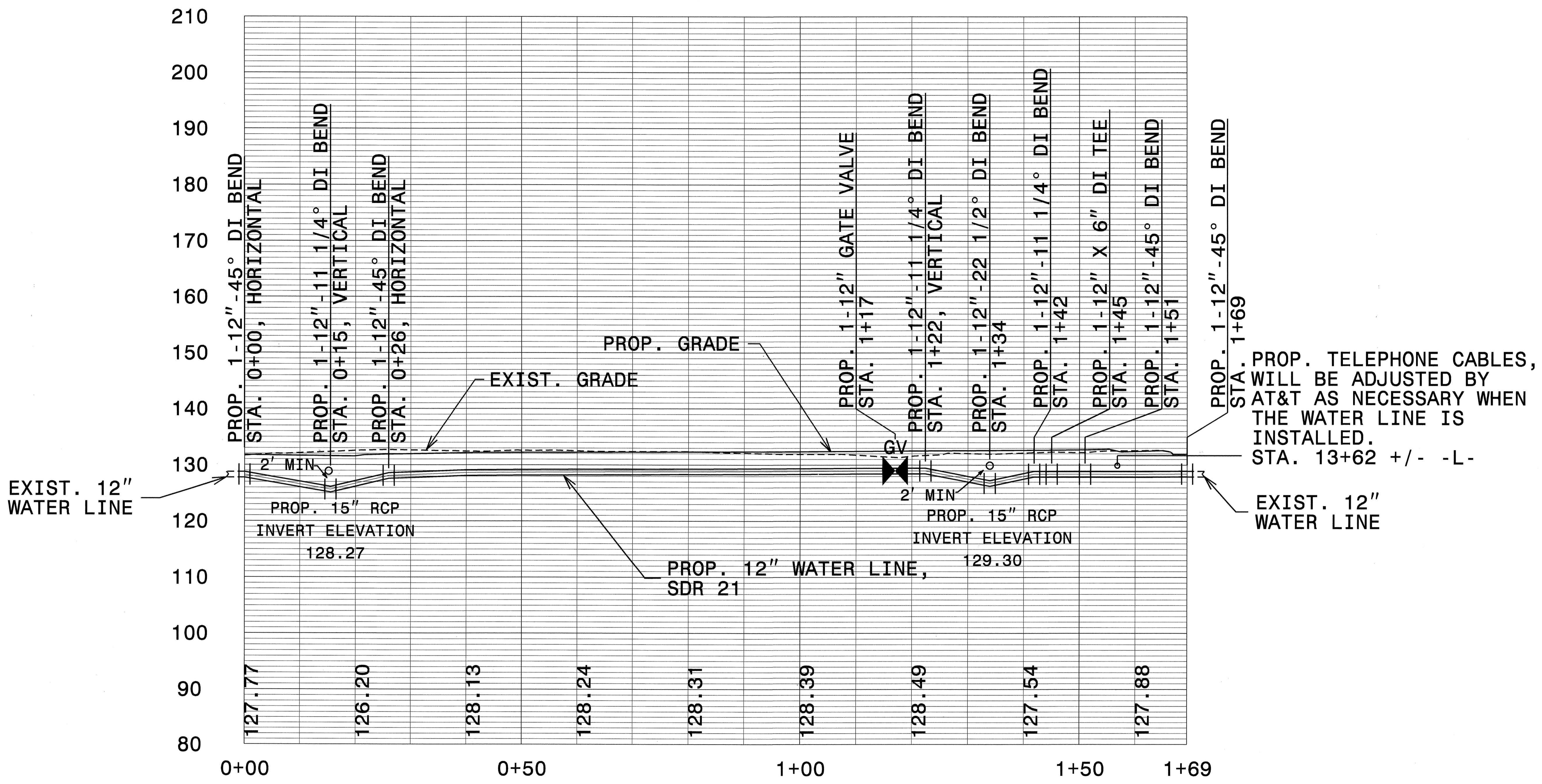
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PROFILE 1 SEE SHEET UC-4B

PROJECT REFERENCE NO. I-4413	SHEET NO. UC-6
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

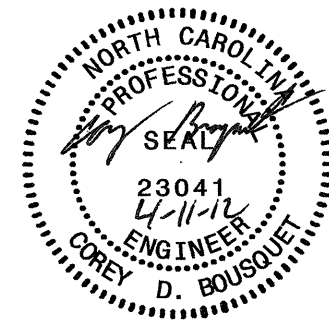
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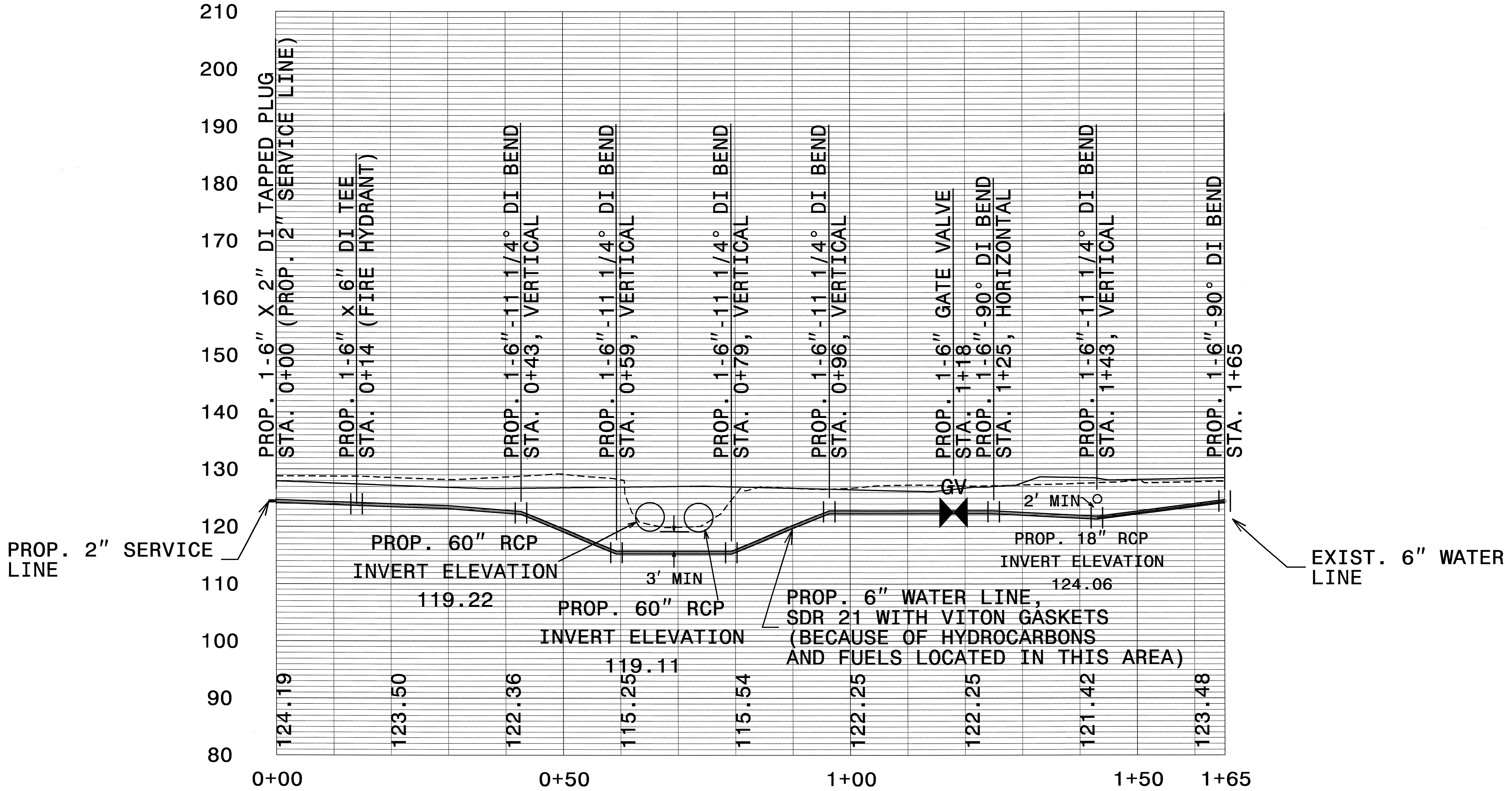
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5/14/99

PROFILE 2 SEE SHEET UC-4C

PROJECT REFERENCE NO. I-4413	SHEET NO. UC-7
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION

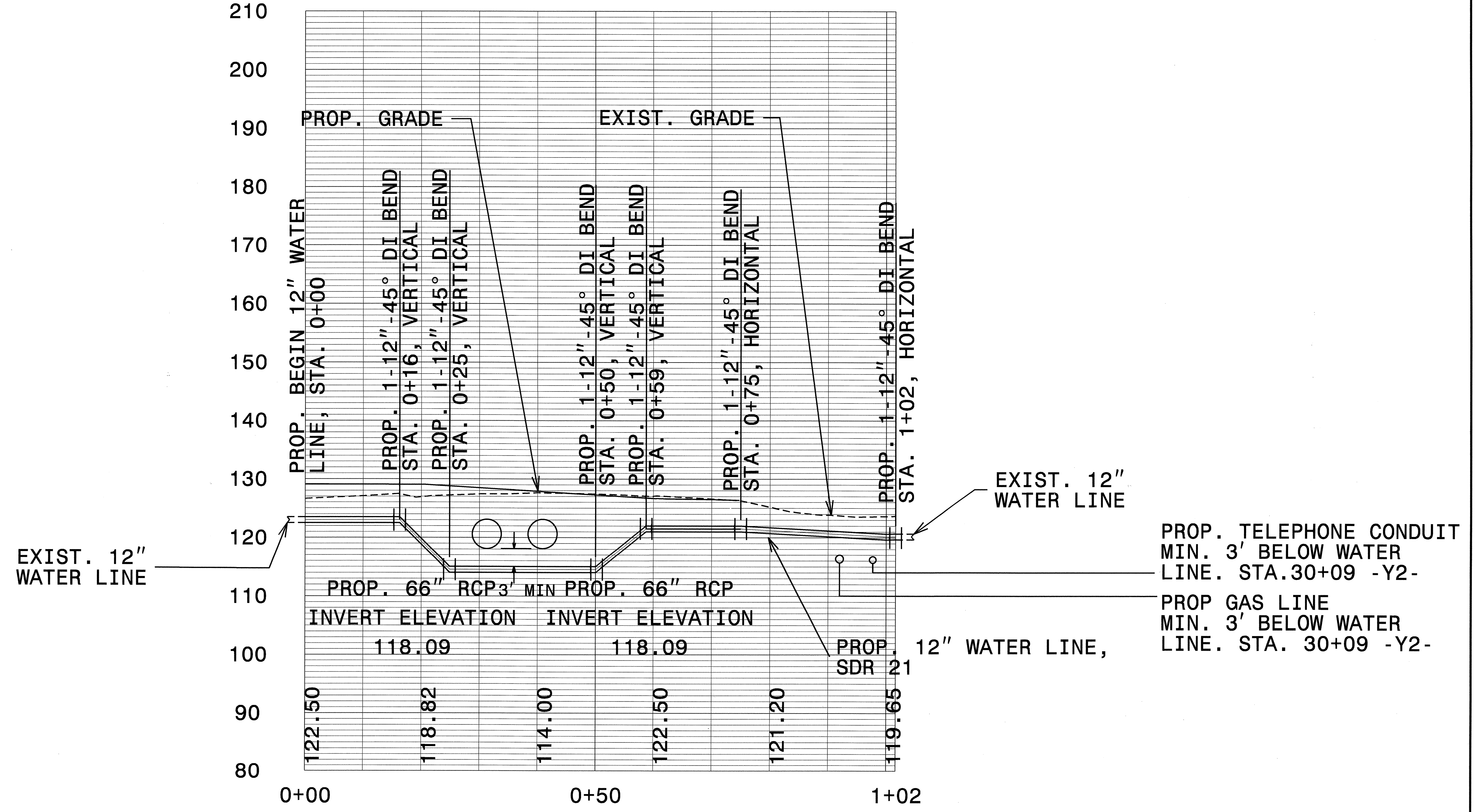


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PROFILE 3 SEE SHEET UC-4C

PROJECT REFERENCE NO.	SHEET NO.
I-4413	UC-8
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION PLANS ONLY

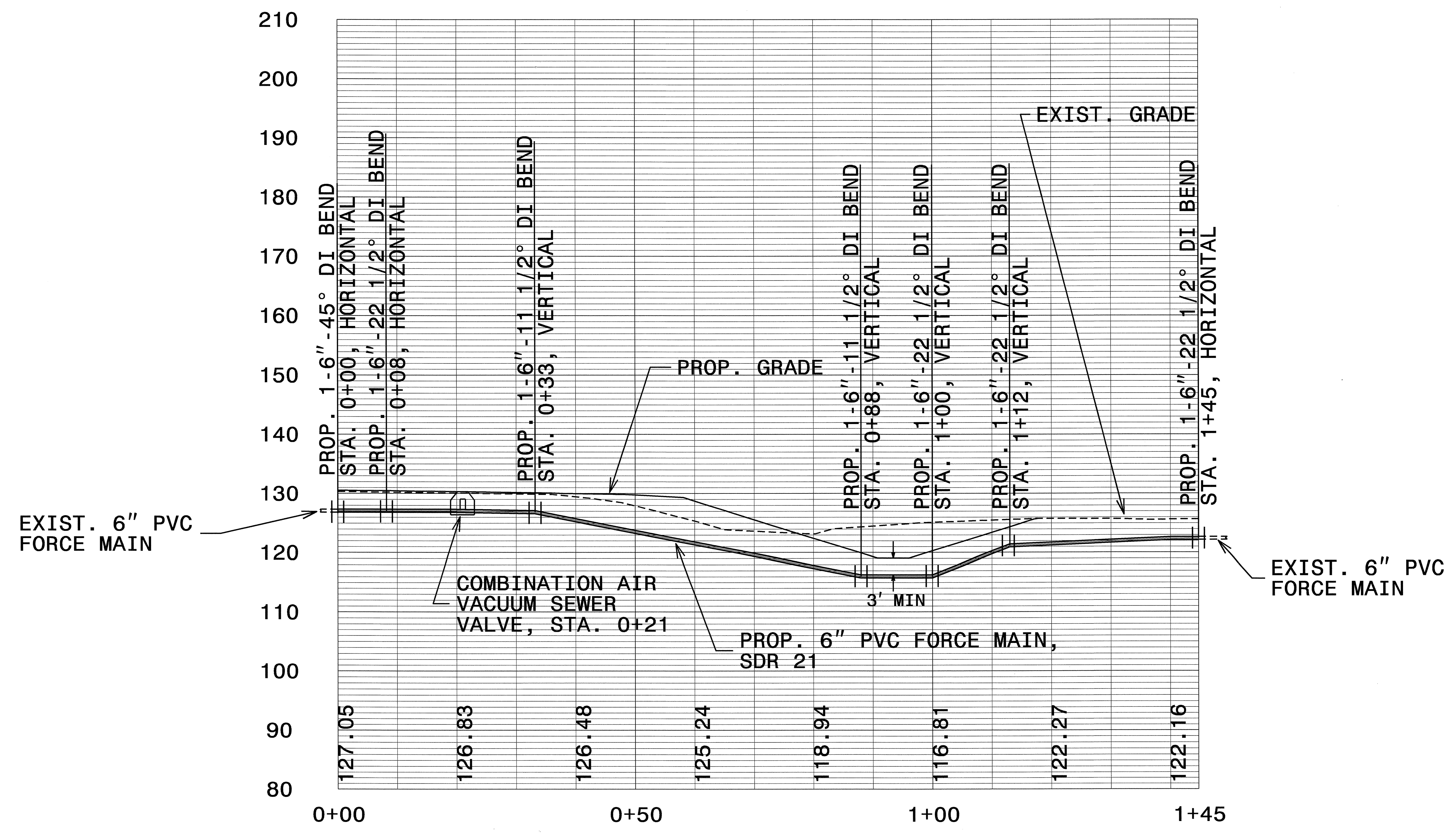


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DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

PROFILE 4 SEE SHEET UC-4C

UTILITY CONSTRUCTION



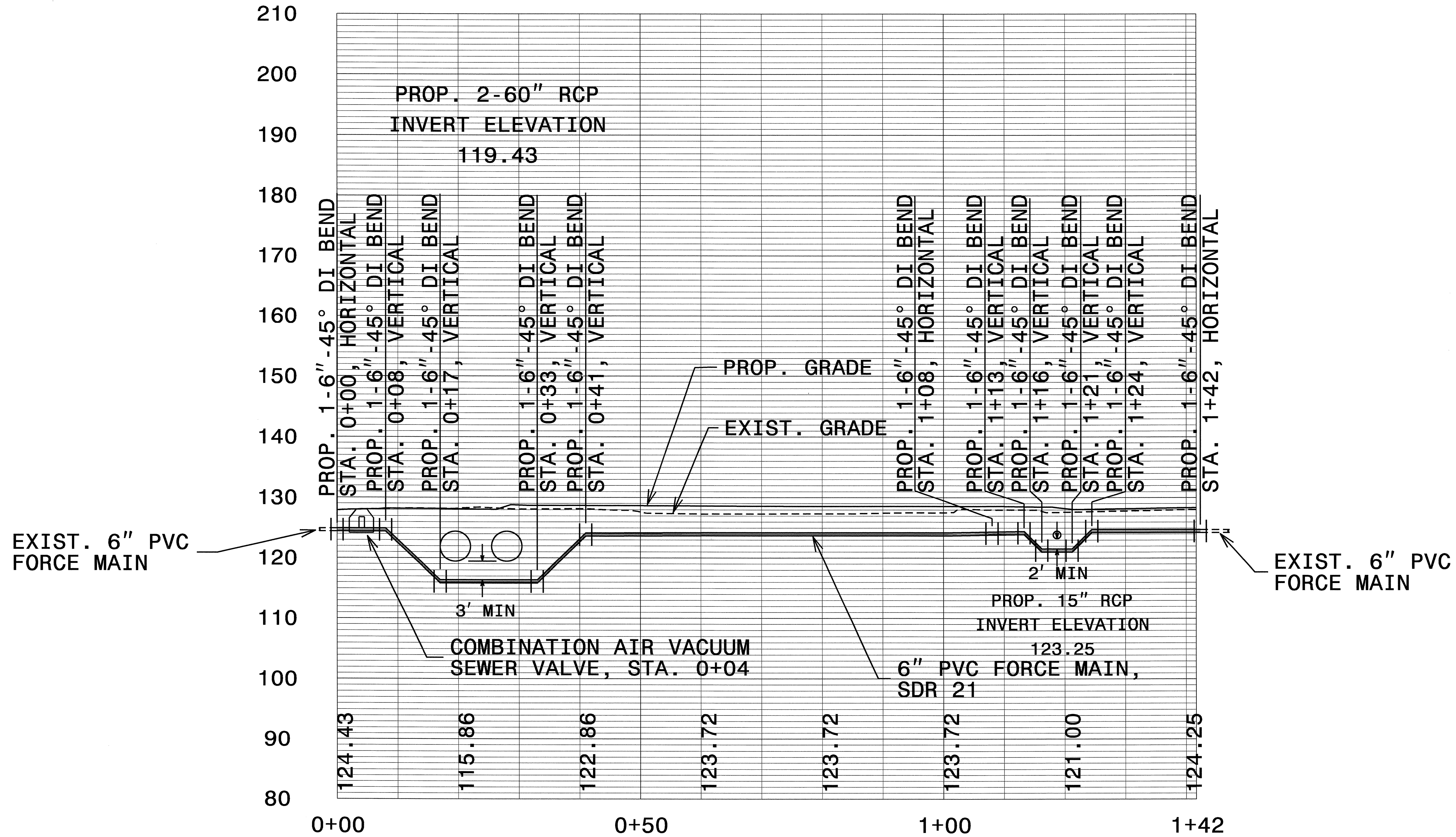
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5/14/99

PROFILE 5 SEE SHEET UC-4C

PROJECT REFERENCE NO. I-4413	SHEET NO. UC-10
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION



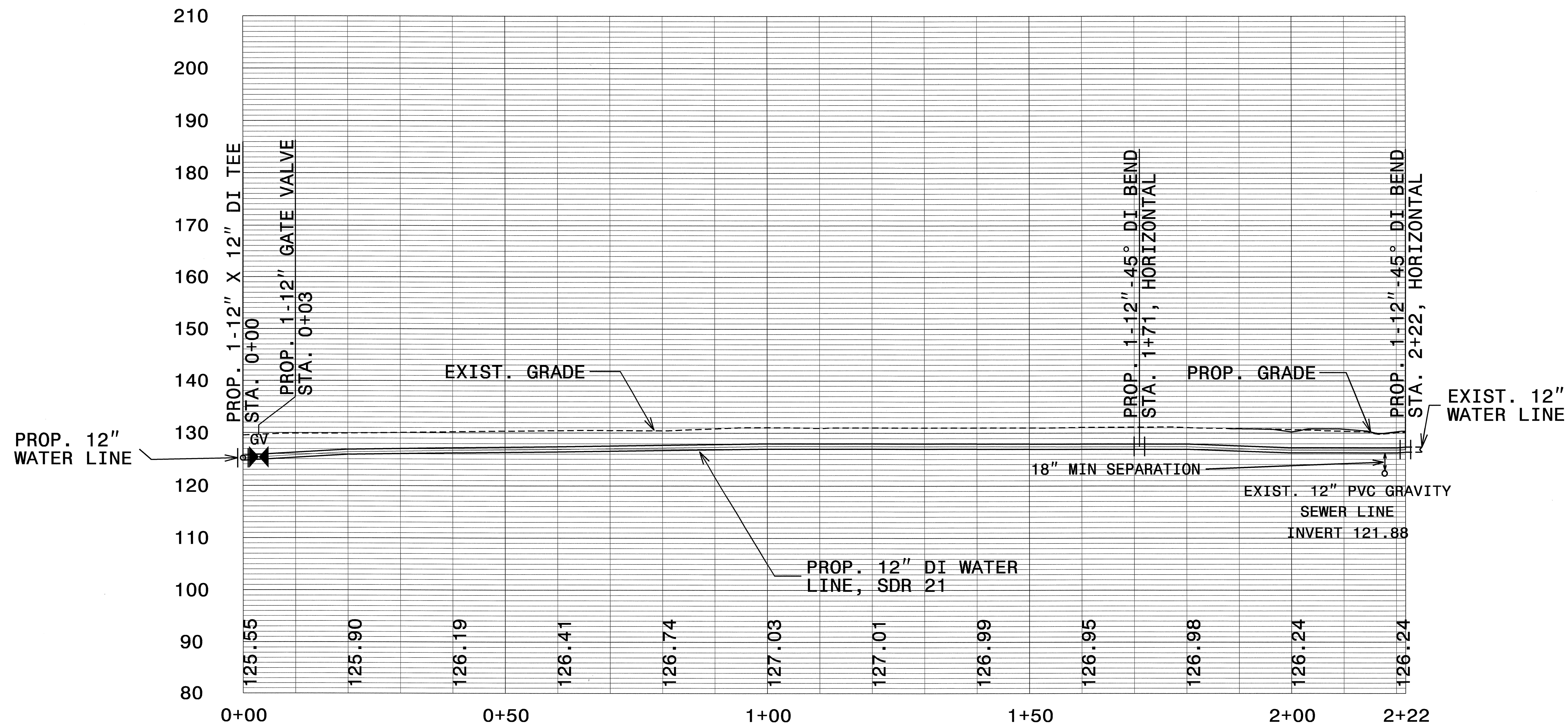
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5/14/99

PROJECT REFERENCE NO. I-4413	SHEET NO. UC-11
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

PROFILE 6 SEE SHEET UC-5

UTILITY CONSTRUCTION

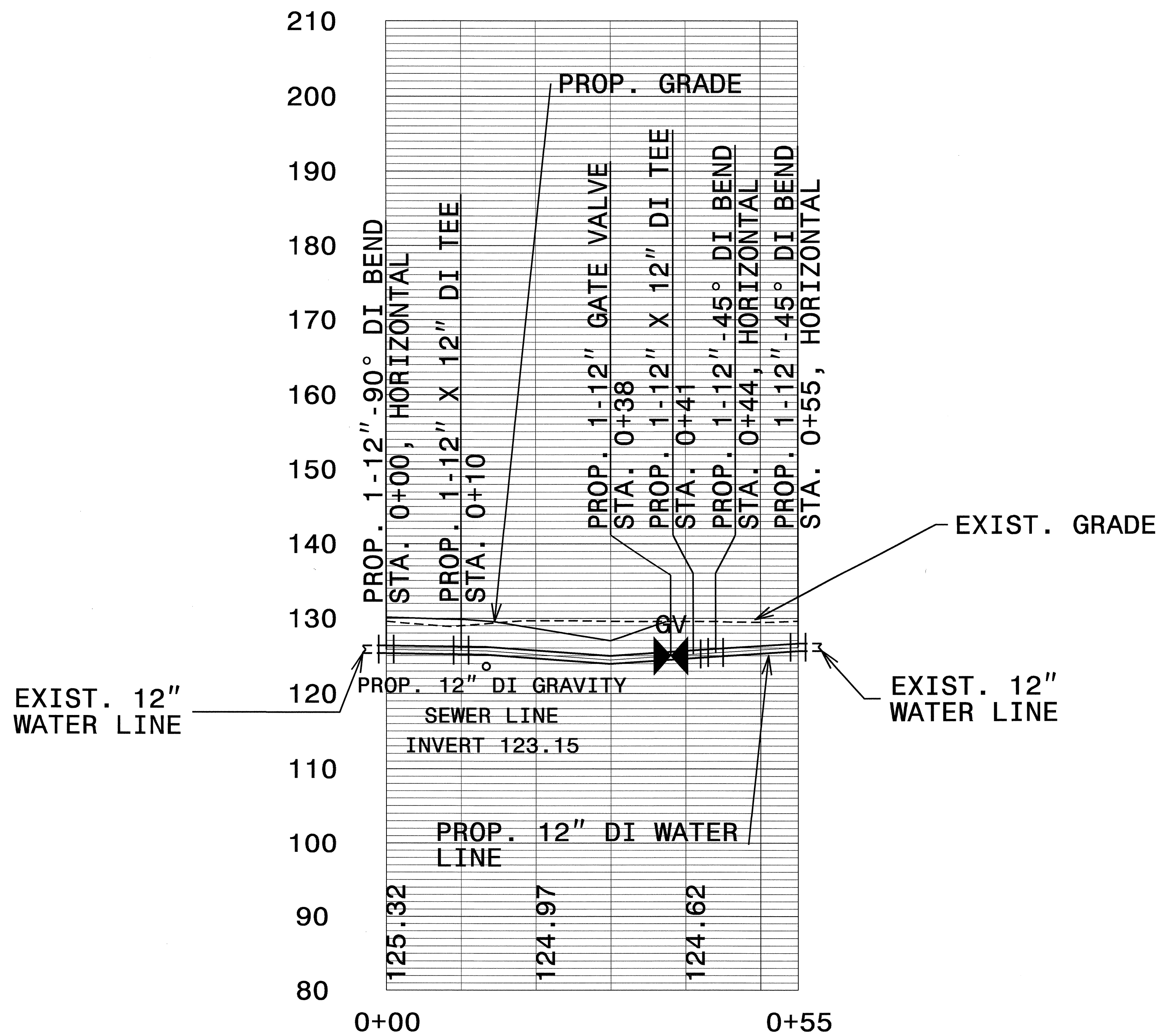


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DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

UTILITY CONSTRUCTION

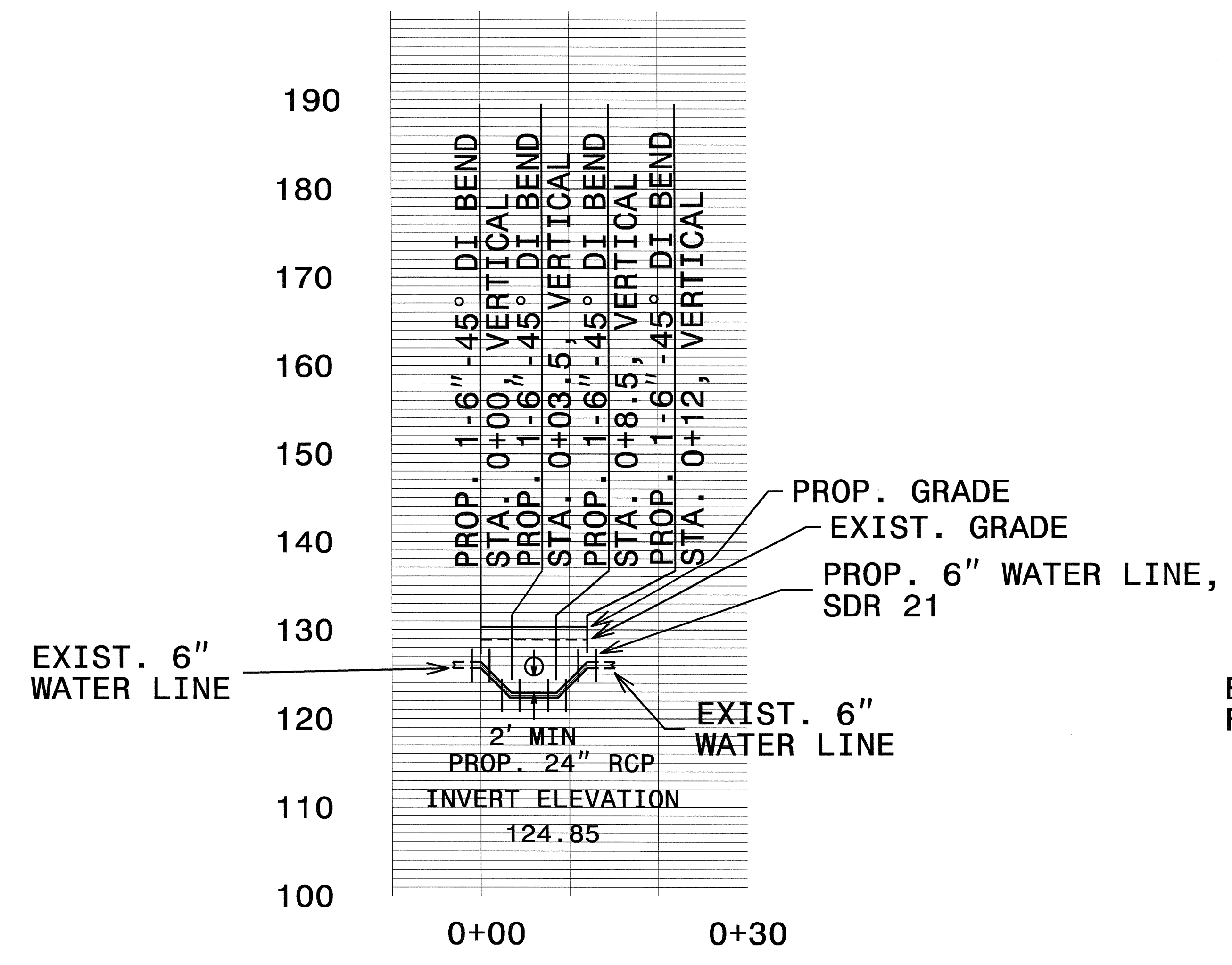
PROFILE 7 SEE SHEET UC-5



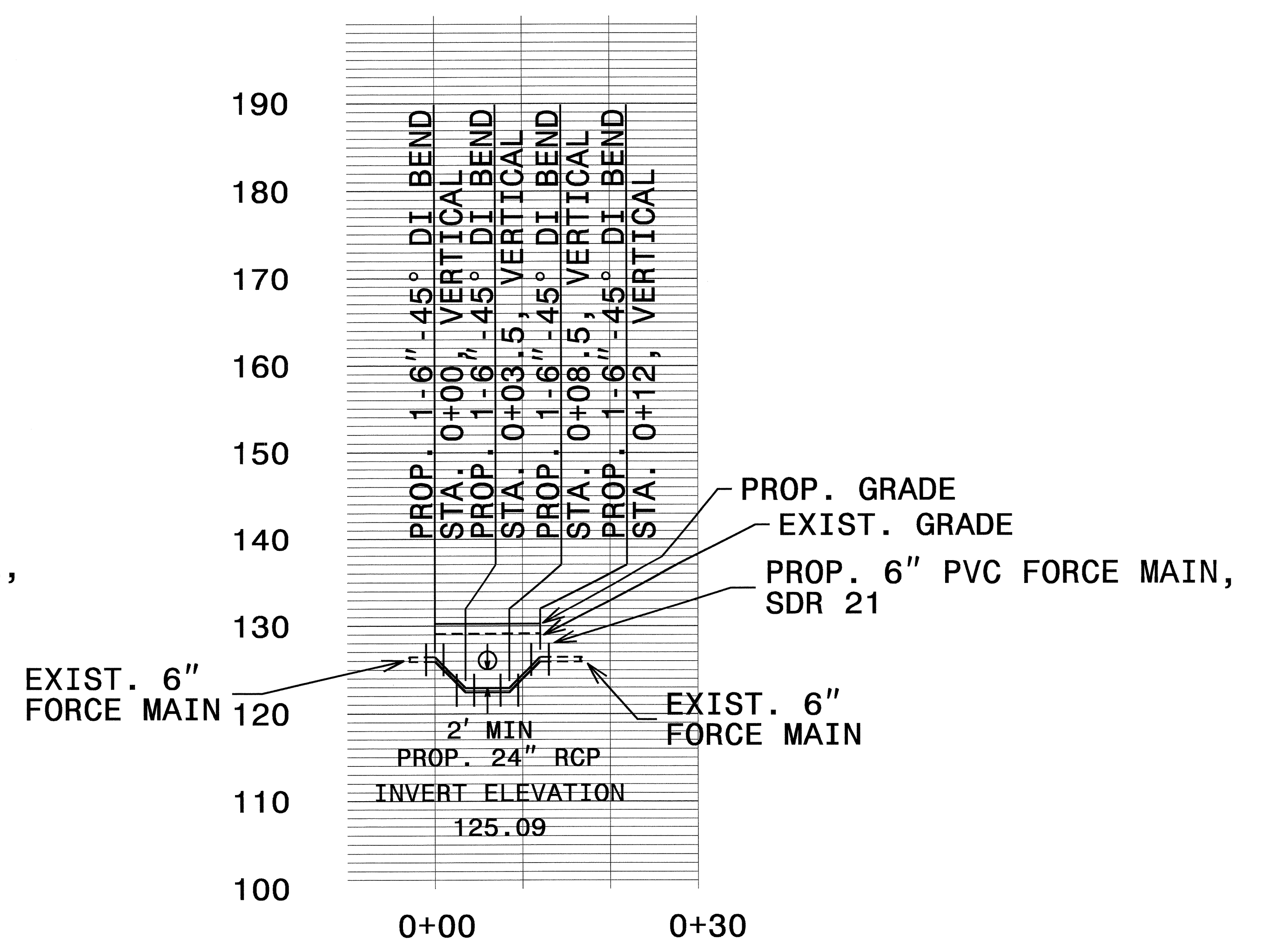
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PROJECT REFERENCE NO. I-4413	SHEET NO. UC-13
DESIGNED BY: KAK	
DRAWN BY: KAK	
CHECKED BY: CDB	
APPROVED BY: CDB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	
UTILITY CONSTRUCTION PLANS ONLY	

PROFILE 8 SEE SHEET UC-5



PROFILE 9 SEE SHEET UC-5

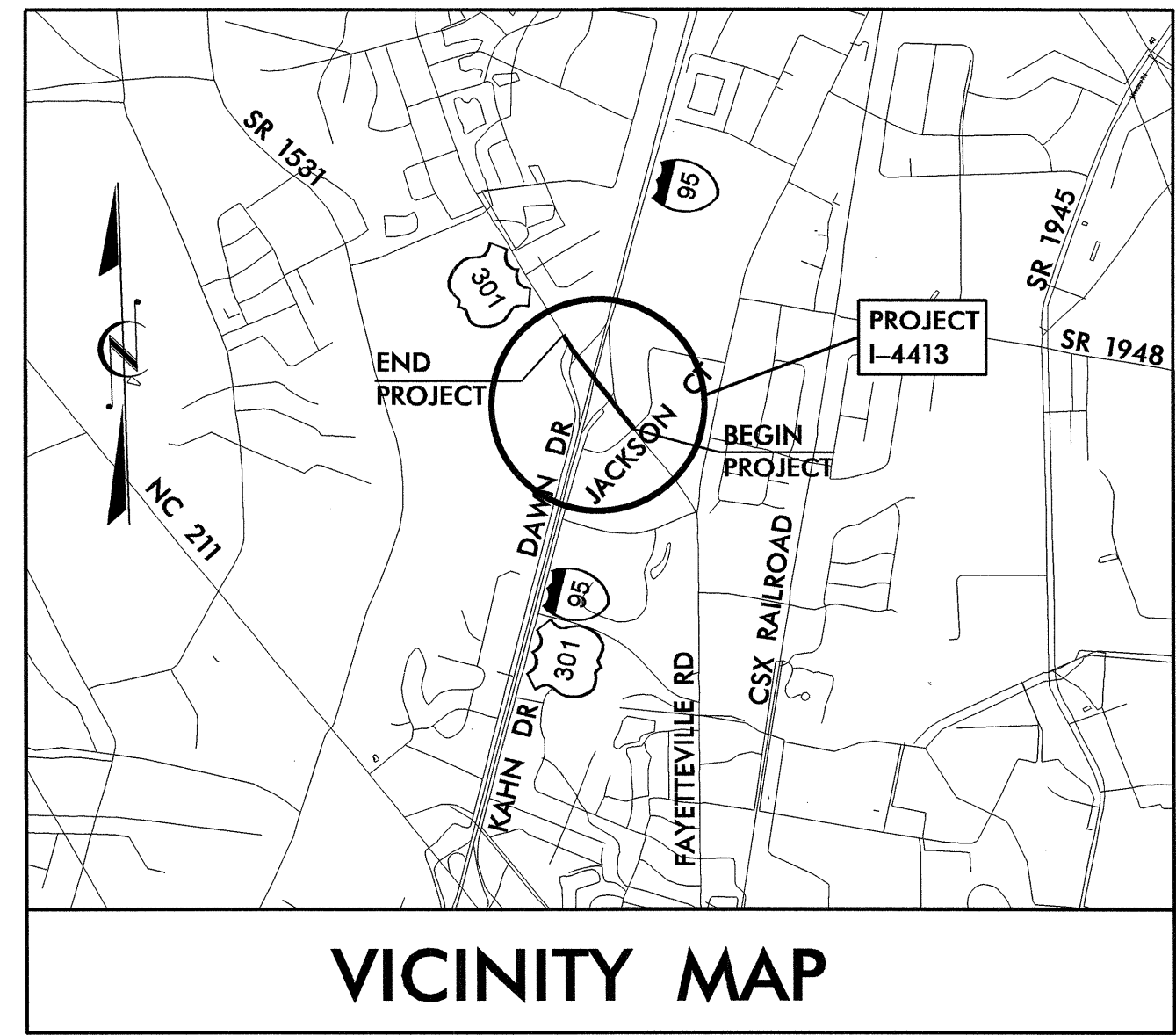


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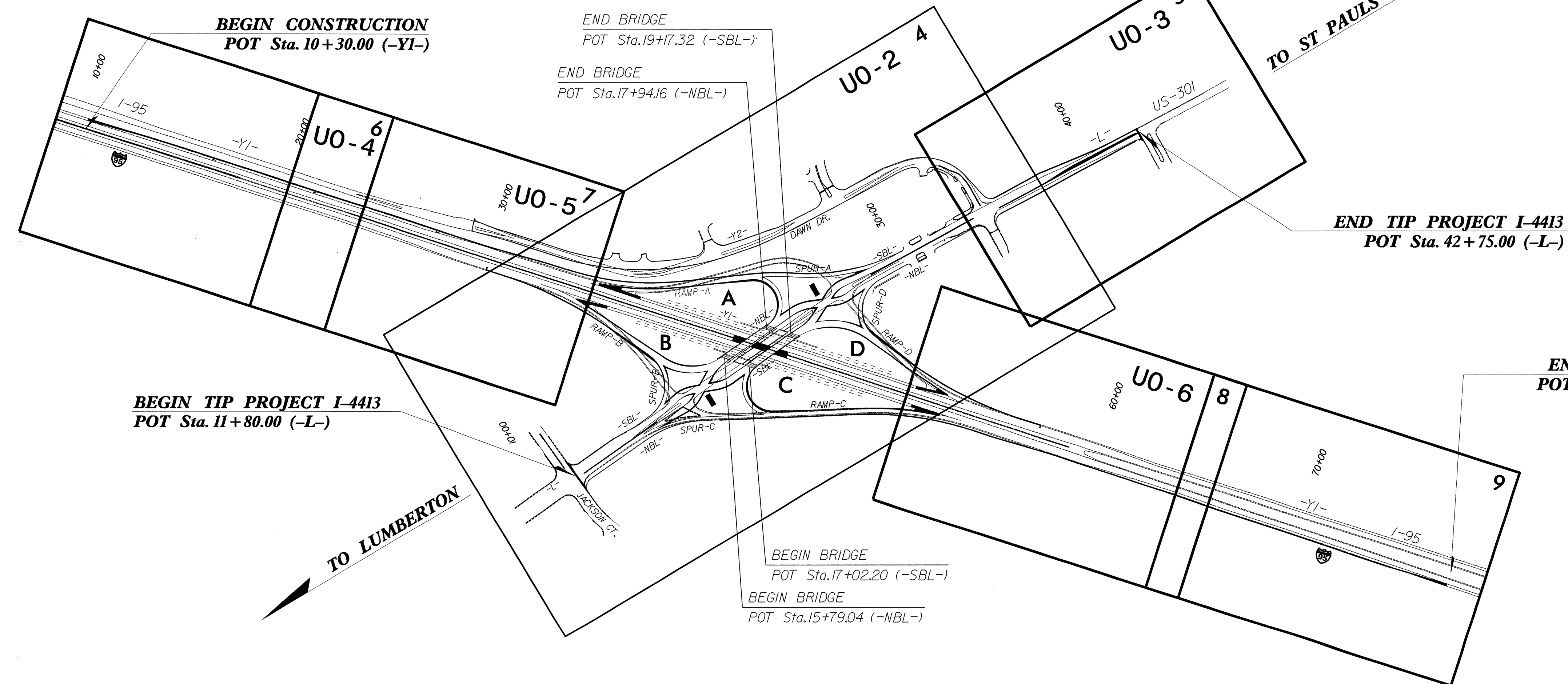
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITIES BY OTHERS PLANS
ROBESON COUNTY**

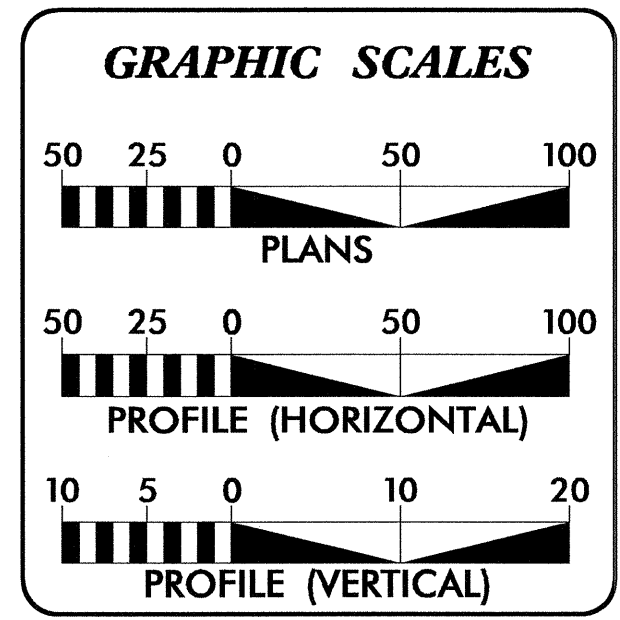
**LOCATION: BRIDGE NO.36 ON US 301 (FAYETTEVILLE ROAD)
OVER I-95 (EXIT 22)**



TYPE OF WORK: RELOCATE UTILITY LINES



TIP PROJECT: I-4413



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2 THRU UO-6	UTILITY BY OTHERS PLAN SHEETS

- UTILITY OWNERS ON PROJECT**
- (1) AT&T
 - (2) TIME WARNER CABLE
 - (3) CITY OF LUMBERTON (POWER)
 - (4) PIEDMONT NATURAL GAS COMPANY
 - (5) LUMBEE RIVER EMC (POWER)

PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
UTILITIES ENGINEERING
SECTION**

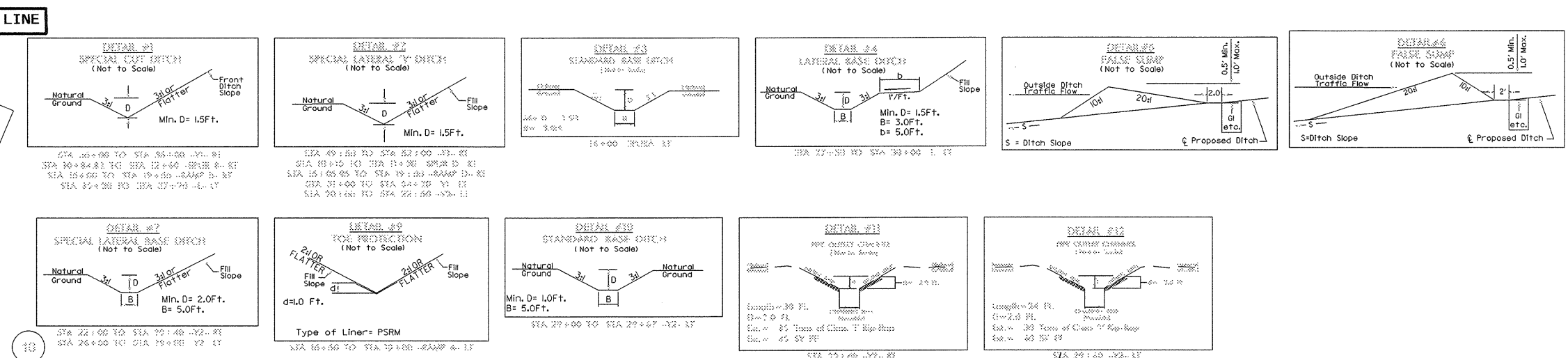
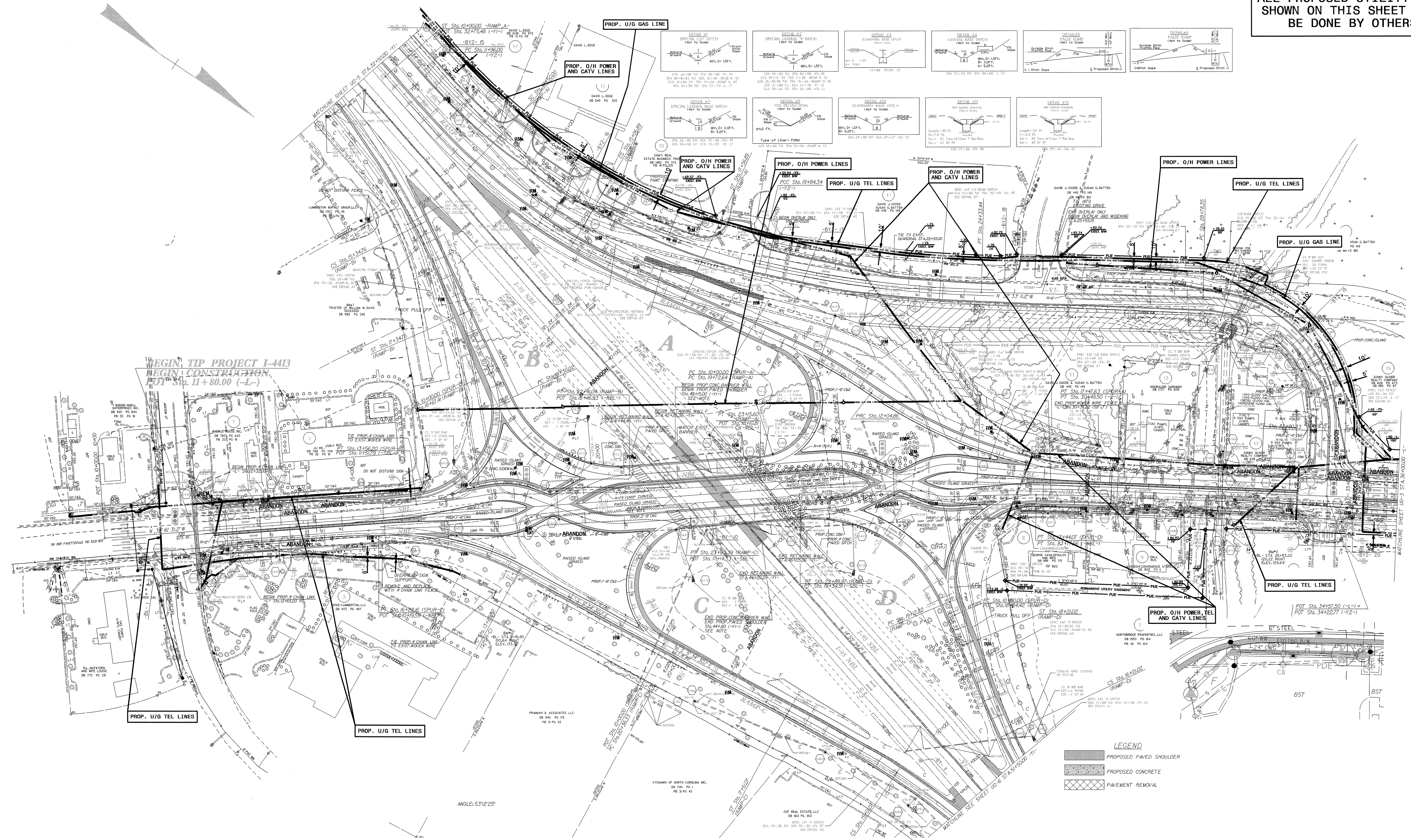
1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 707-6690
FAX (919) 250-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Kifah Kamil UTILITIES PROJECT DESIGNER

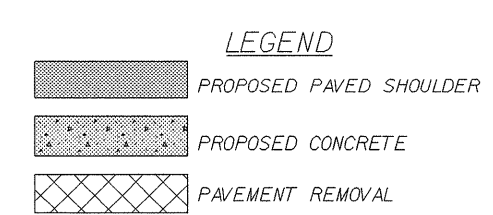
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UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS



BEGIN TIP PROJECT I-4413
BEGIN CONSTRUCTION
ST. 11+80.00 (-L-)

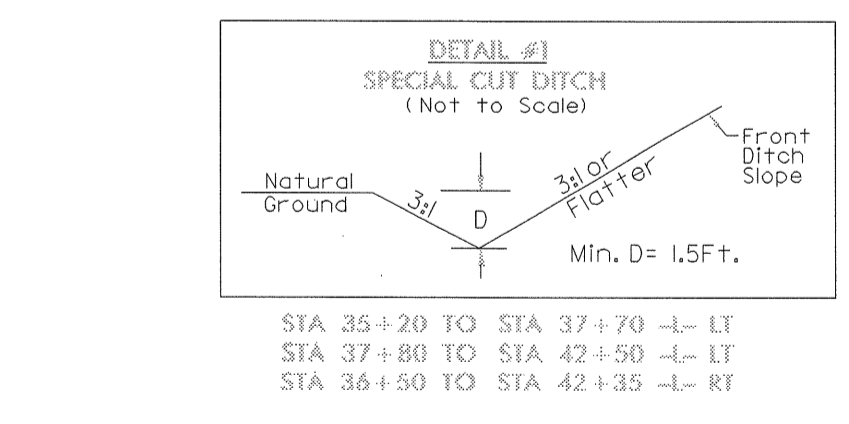
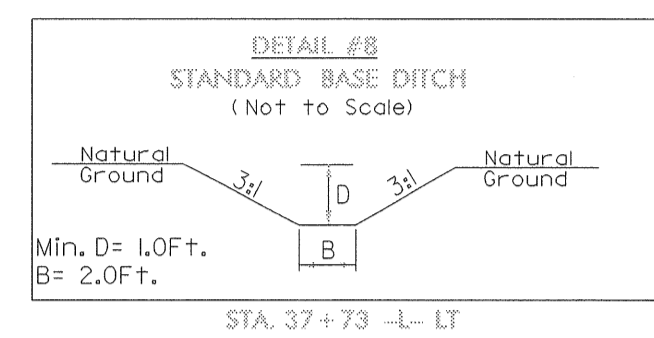
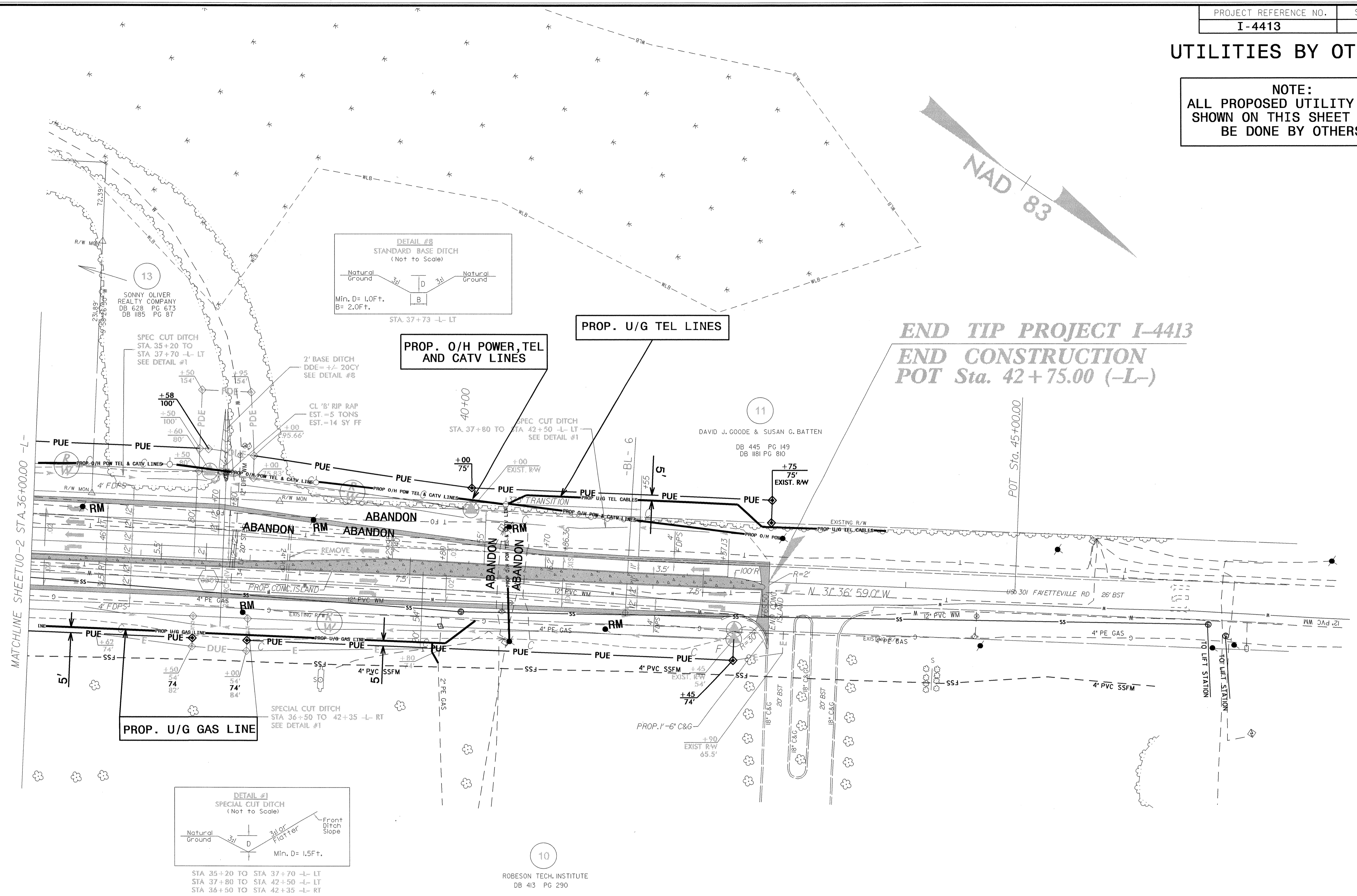
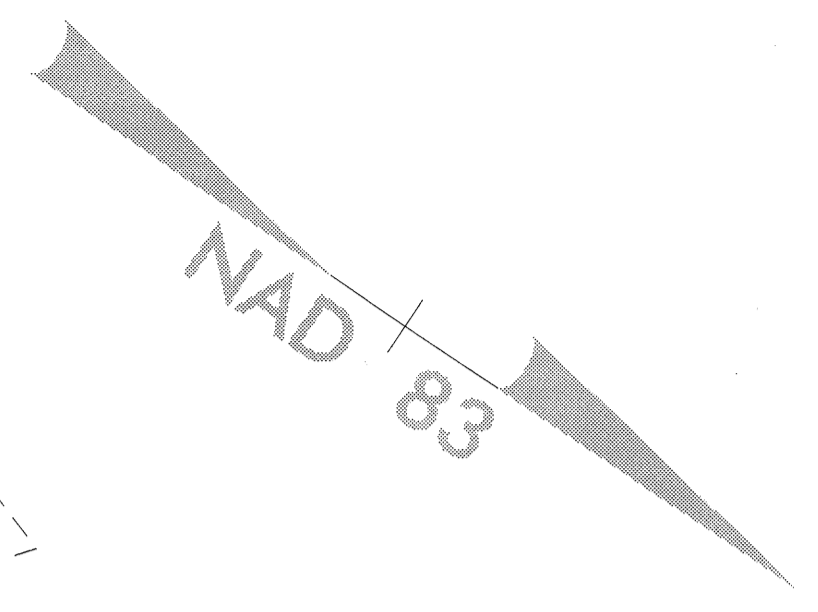


5/14/99

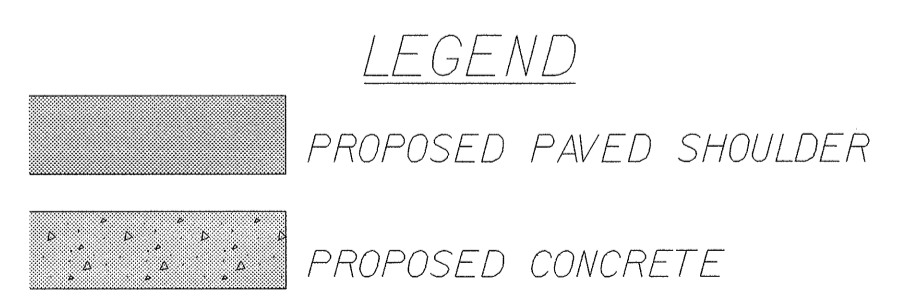
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 PROJECT I-4413 UTILITY WORK SHEET UO-2

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS



END TIP PROJECT I-4413
END CONSTRUCTION
POT Sta. 42+75.00 (-L-)

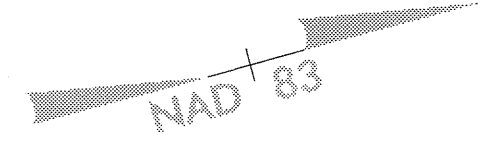
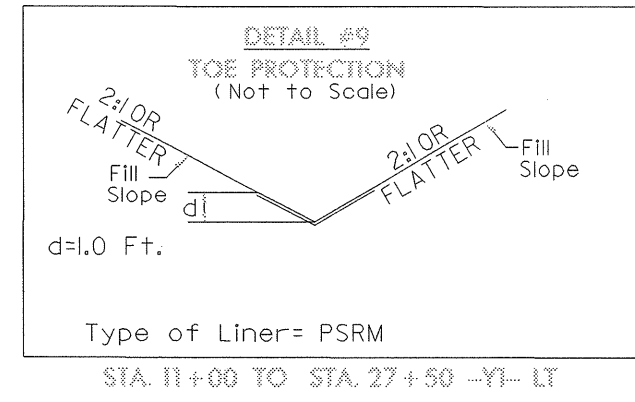


5/14/99

25-APR-2002 10:25
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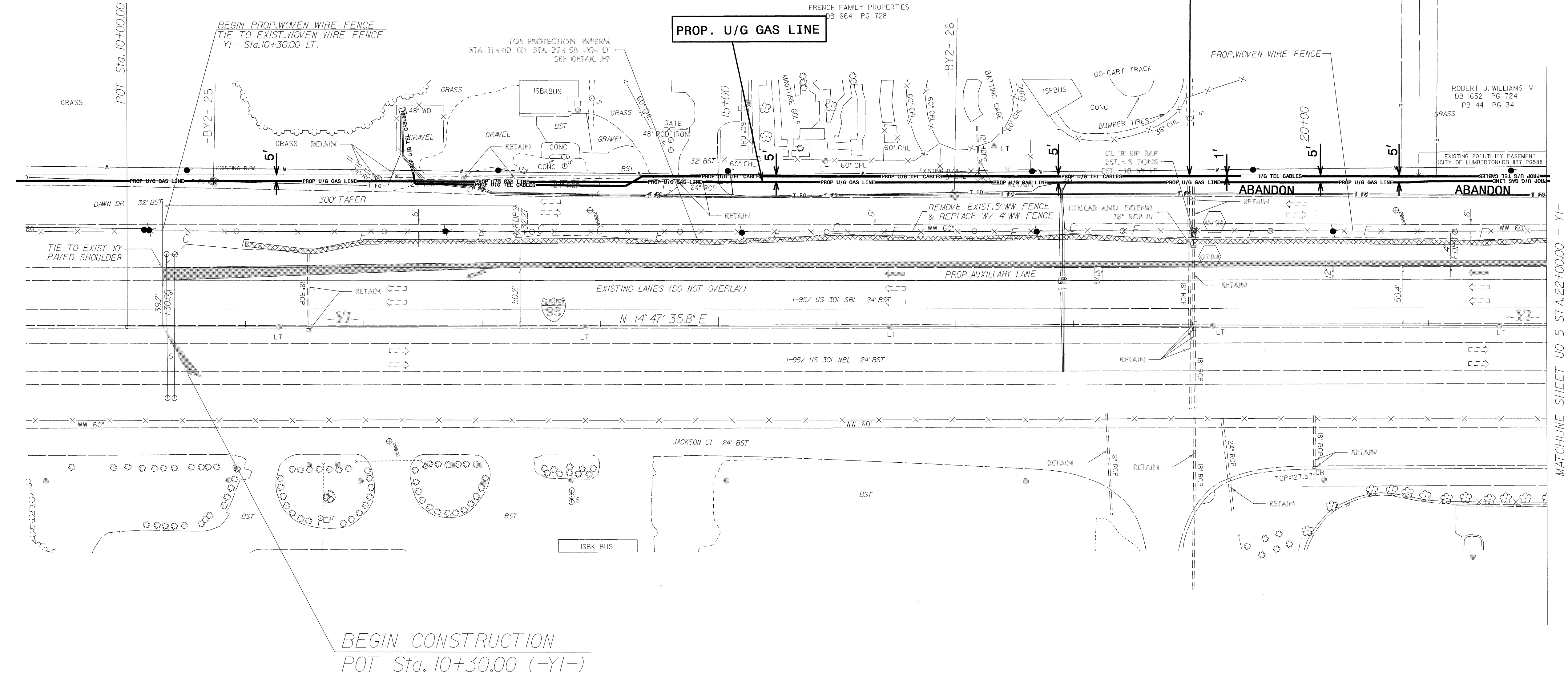
UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS



PROP. U/G TEL LINES

PROP. U/G GAS LINE



BEGIN CONSTRUCTION
POT Sta. 10+30.00 (-Y1-)

LEGEND
[Shaded Box] PROPOSED PAVED SHOULDER

MATCHLINE SHEET UO-5 STA. 22+00.00 - Y1-

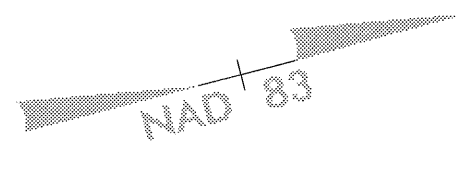
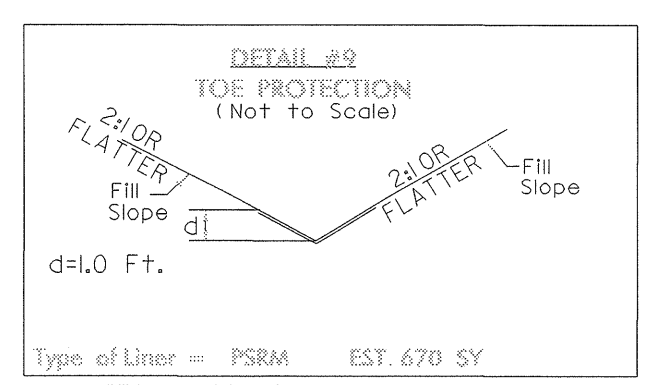
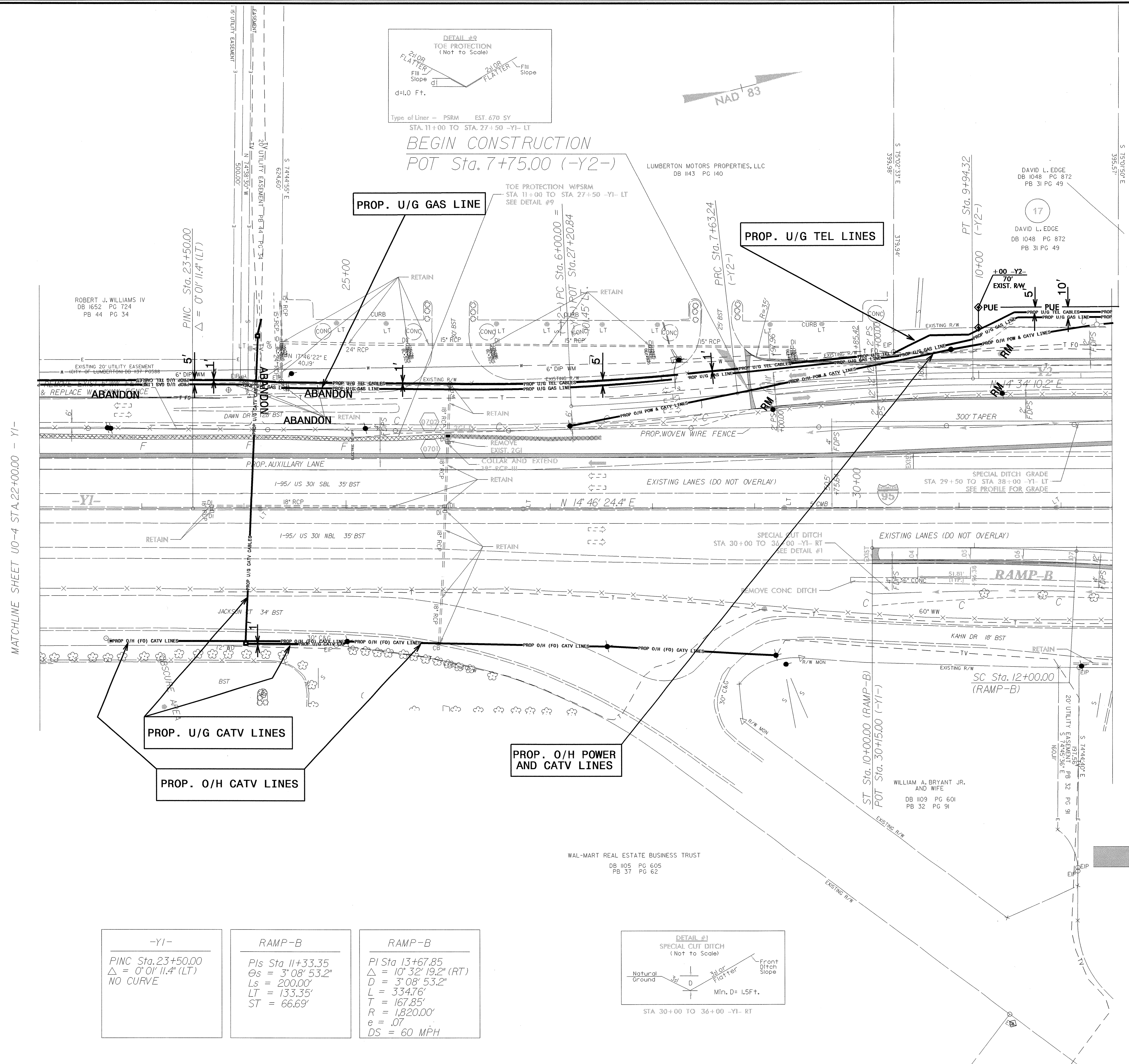
5/14/99

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25-APR-2002 10:28
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UTILITIES BY OTHERS

NOTE:
 ALL PROPOSED UTILITY WORK
 SHOWN ON THIS SHEET WILL
 BE DONE BY OTHERS

5/14/99
 25-APR-2012 13:36
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 L:\Projects\I4413\I4413-ut.uo5_Psh_07.dgn
 L:\Projects\I4413\I4413-ut.uo5_Psh_07.dgn



BEGIN CONSTRUCTION
 POT Sta. 7+75.00 (-Y2-)

TOE PROTECTION W/PSRM
 STA. 11+00 TO STA. 27+50 -Y1- LT
 SEE DETAIL #9

PROP. U/G TEL LINES

PROP. U/G GAS LINE

PROP. U/G CATV LINES

PROP. O/H POWER AND CATV LINES

PROP. O/H CATV LINES

-Y1-

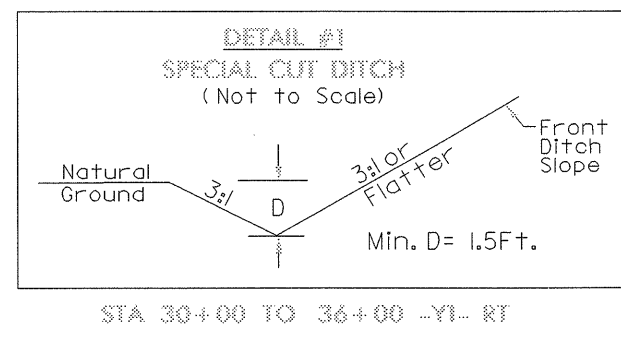
PINC Sta. 23+50.00 $\Delta = 0' 0'' 11.4''$ (LT) NO CURVE

RAMP-B

PIs Sta 11+33.35 $\Theta_s = 3' 08'' 53.2''$ $L_s = 200.00'$ $LT = 133.35'$ $ST = 66.69'$

RAMP-B

PI Sta 13+67.85 $\Delta = 10' 32'' 19.2''$ (RT) $D = 3' 08'' 53.2''$ $L = 334.76'$ $T = 167.85'$ $R = 1,820.00'$ $e = .07$ $DS = 60$ MPH



LEGEND

 PROPOSED PAVED SHOULDER

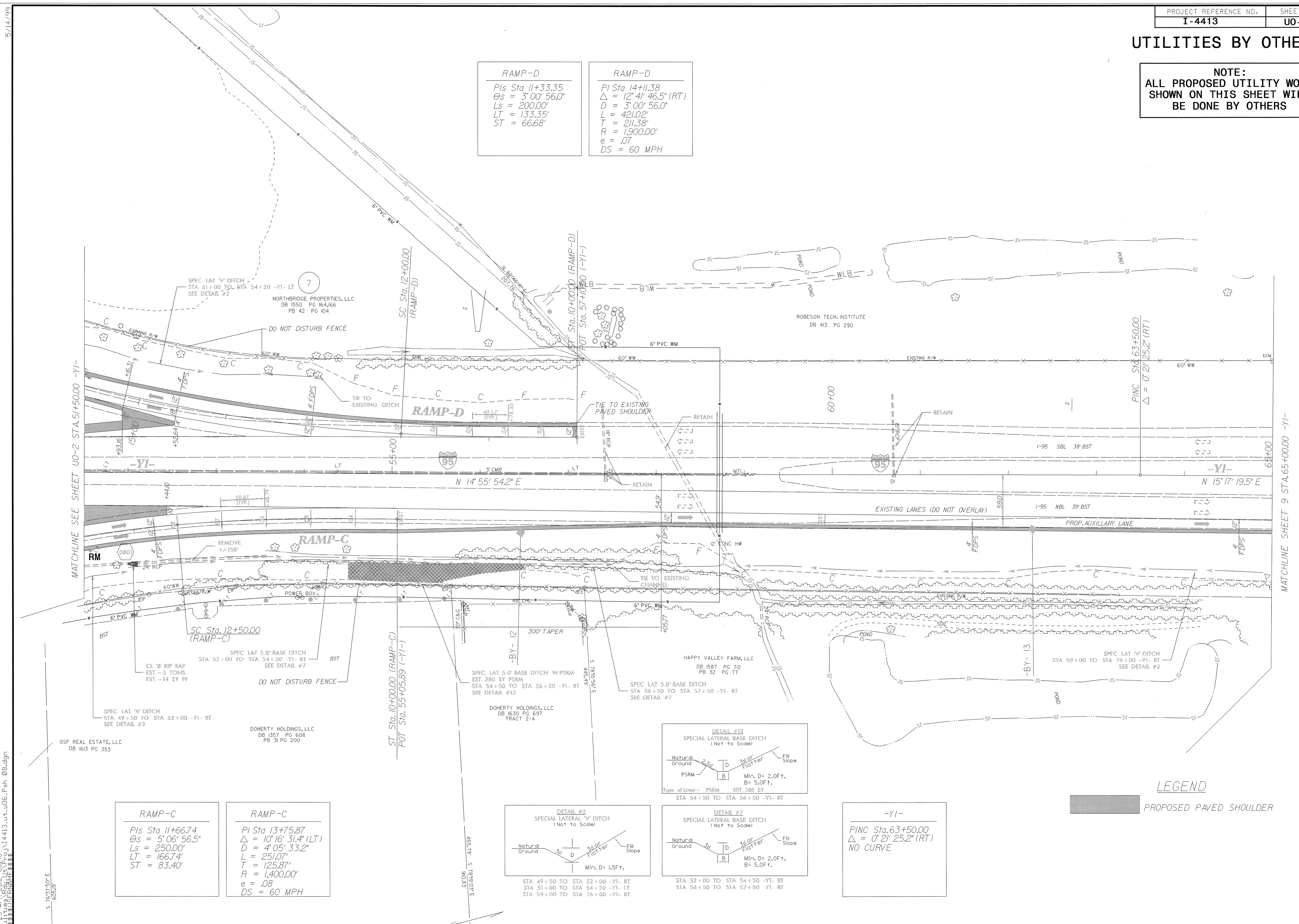
MATCHLINE SHEET UO-4 STA. 22+00.00 - Y1-

MATCHLINE SHEET UO-2 STA. 32+50.00 -Y1-

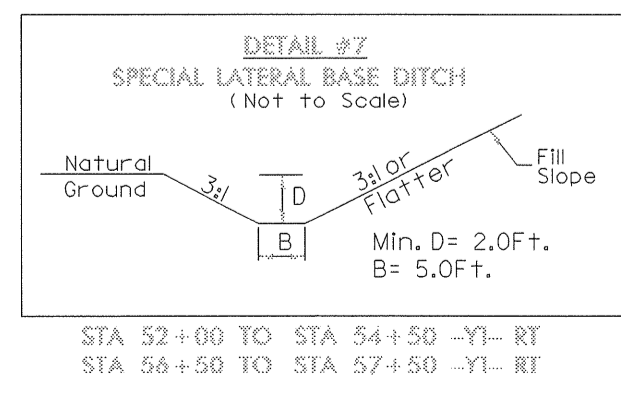
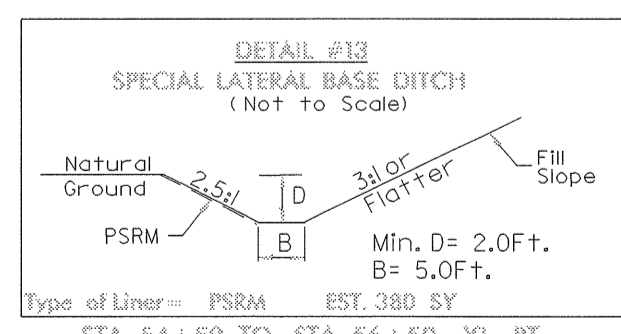
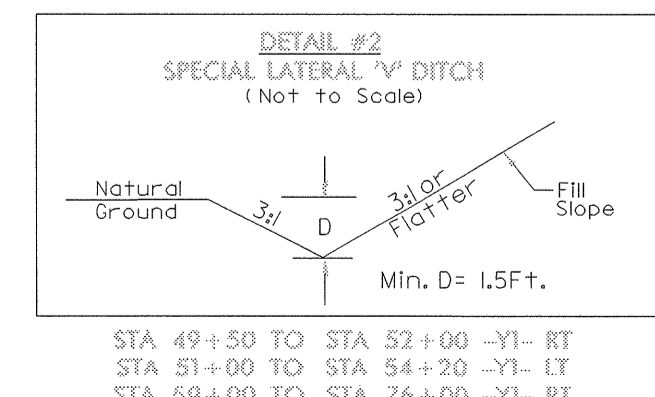
UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

RAMP-D	RAMP-D
PI Sta 11+33.35	PI Sta 14+11.38
$\theta_s = 3^{\circ}00'56.0"$	$\Delta = 12^{\circ}41'46.5"$ (RT)
$L_s = 200.00'$	$D = 3^{\circ}00'56.0"$
$LT = 133.35'$	$L = 421.02'$
$ST = 66.68'$	$T = 211.38'$
	$R = 1900.00'$
	$e = .07$
	$DS = 60$ MPH



RAMP-C	RAMP-C
PI Sta 11+66.74	PI Sta 13+75.87
$\theta_s = 5^{\circ}06'56.5"$	$\Delta = 10^{\circ}16'31.4"$ (LT)
$L_s = 250.00'$	$D = 4^{\circ}05'33.2"$
$LT = 166.74'$	$L = 251.07'$
$ST = 83.40'$	$T = 125.87'$
	$R = 1,400.00'$
	$e = .08$
	$DS = 60$ MPH



-YI-
PINC Sta. 63+50.00
 $\Delta = 0^{\circ}21'25.2"$ (RT)
NO CURVE

LEGEND
[Shaded Box] PROPOSED PAVED SHOULDER

5/14/99
 R:\U\25-APR-2012_0840\UJ\I4413-ut.u06.Fsh_08.dgn
 S 76+37.50'E 605.18'
 S 76+37.50'E 605.18'
 S 76+37.50'E 605.18'
 S 76+37.50'E 605.18'