



FAYETTEVILLE PUBLIC WORKS COMMISSION

PROCUREMENT DEPARTMENT

<https://www.faypwc.com/bids/>

Bid Addendum



PWC Number: PWC2324000

Bid Title : Readvertisement Phase V Annexation Project XI Area 25 Lake Rim Estates

Bid Opening Date and Time: September 8, 2023 @ 2:00 pm

Addendum Number: 5

Addendum Date: August 31, 2023

Procurement Advisor: Tanya Hazlett
Tanya.hazlett@faypwc.com

1. Return one properly executed copy of this addendum with a bid response or prior to the Bid Opening Date/Time listed above.
2. The solicitation is hereby modified as follows:
 - M1. Bidders are informed that bids were received for the Phase V Annexation Project XI Area 25 Lake Rim Estates on August 31, 2023, at 2:00 p.m., however, the bids were not opened and were returned to the bidders since there were not enough bids received. Pursuant to NCGS 143-129, a re-advertisement will be provided to re-bid the project. Bids will be received at the Administrative Building, Fayetteville Public Works Commission, 955 Old Wilmington Road, Conference Room 107, Fayetteville, North Carolina at 2:00 p.m., Friday, September 8, 2023. Only those bids from bidders who attended the mandatory pre-bid conference for this project will be received and opened.
 - M2. Revised plan sheets are attached. Sheet numbers UTIL-3 and PP-27
 - M3. Updated Bid Proposal Form.

Failure to acknowledge receipt of this addendum may result in rejection of the response.

Check ONE of the following options:

- Bid has not been mailed. Any changes resulting from this addendum are included in our bid response.
- Bid has been mailed. No changes resulted from this addendum.
- Bid has been mailed. Changes resulting from this addendum are as follows:

Execute Addendum:

Offeror: _____

Authorized Signature: _____

Name and Titled (Typed): _____

Date: _____

Item No.	Ref. No.	Item	Estimated Quantities	Unit	Unit Price	Cost Extension
PART "A" STREET CONSTRUCTION						
A-1	G-1	Mobilization and Demobilization @ _____ lump sum	1	LS		
A-2	G-2	Traffic Control & Traffic Plan @ _____ lump sum	1	LS		
A-3	A-1	Permanent Pavement Patch (NOA) (FAYPWC) @ _____ per square yard	12,459	SY		
A-4	A-4	Permanent Pavement Patch Failed Areas – PWC (NOA) @ _____ per square yard	2,000	SY		
A-5	A-4	Permanent Pavement Patch Failed Areas – COF (NOA) @ _____ per square yard	3,100	SY		
A-6	A-6	Undercut Excavation in Asphalt Subgrade @ _____ per cubic yard	50	CY		
A-7	A-9	Remove and Replace Concrete Driveways (NOA) @ _____ per square yard	127	SY		
A-8	A-10	Remove and Replace Asphalt Driveways (NOA) @ _____ per square yard	318	SY		
A-9	A-11	Remove and Replace Soil/Gravel Driveways with Aggregate Base Course (NOA) @ _____ per square yard	328	SY		
A-10	A-7	Incidental Stone (ABC) @ _____ per ton	200	TN		
A-11	A-13	Maintenance Stone (NOA) @ _____ per ton	1,500	SY		
TOTAL PART "A" STREET CONSTRUCTION						

Item No.	Ref. No.	Item	Estimated Quantities	Unit	Unit Price	Cost Extension
PART "C" PWC WATER CONSTRUCTION						
C-1	G-1	Mobilization and Demobilization @ _____ Lump Sum	1	LS		
C-2	G-2	Traffic Control & Traffic Plan @ _____ Lump Sum	1	LS		
C-3	G-3	Erosion & Sediment Control @ _____ Lump Sum	1	LS		
C-4	G-4	Borrow Excavation (Select Backfill) @ _____ per cubic yard	750	CY		
C-5	C-5	Undercut Excavation @ _____ per cubic yard	500	CY		
C-6	G-5	Clearing & Grubbing Permanent Easements @ _____ per acre	1.55	AC		
C-7	G-6	Clearing & Grubbing Temporary Easements @ _____ per acre	0.06	AC		
C-8	G-7	Sod (No Overage Allowed) @ _____ per square yard	11,602	SY		
C-9	G-8	Seeding (NOA) @ _____ per acre	0.3	AC		
C-10	C-14	Replace Existing Unmarked PWC Water Service @ _____ per each	10	EA		
C-11	C-19	Tie to Ex. 12" FAYPWC Water Line (Rim Rd) @ _____ per each	2	EA		
C-12	C-8	Install 4"x 4"x 4" Tapping Sleeve & Valve @ _____ per each	1	EA		
C-13	C-8	Install 6"x 6"x 6" Tapping Sleeve & Valve @ _____ per each	1	EA		
C-14	C-4	Install 2" SDR21 Water Line (Tine Rd) (PWC) @ _____ per linear foot	294	LF		
C-15	C-1	Install 8" C-900 Water Line (Tine Rd) (PWC) @ _____ per linear foot	594	LF		
C-16	C-3	Install 8" Restrained Joint DIP Water Line (Tine Rd) (PWC) @ _____ per linear foot	430	LF		
C-17	C-23	Install 8" RJDIP through 16" Steel Casing (Rim Rd @ Tine Rd) (PWC) @ _____ per linear foot	45	LF		
C-18	C-1	Install 12" C-900 Water Line (PWC) @ _____ per linear foot	5,810	LF		
C-19	C-2	Install 12" DIP (PWC) @ _____ per linear foot	7	LF		
C-20	C-3	Install 12" Restrained Joint DIP Water Line (PWC) @ _____ per linear foot	302	LF		

C-21	C-29	Install 12" RJDIP w/ PE Encasement by Directional Drill (PWC) @ _____ per linear foot	340	LF		
C-22	C-13	Install 1" Copper Water Lateral to FAYPWC Standards (PWC) @ _____ per each	17	EA		
C-23	C-31	Install 1" Split Water Service Lateral to FAYPWC Standards (PWC) @ _____ per each	5	EA		
C-24	C-30	Connect New Water Service from New Water Meter to House (Well Abandonment) @ _____ per each	14	EA		
C-25	C-32	Connect New Split Water Service from Meter to Irrigation w/ Backflow Preventer @ _____ per each	5	EA		
C-26	C-23	Install 12" RJDIP through 24" Steel Casing (Rim Rd) (PWC) @ _____ per linear foot	47	LF		
C-27	C-6	Install 8" RJ Gate Valve (PWC) @ _____ per each	1	EA		
C-28	C-6	Install 12" Gate Valves (PWC) @ _____ per each	3	EA		
C-29	C-11	Install Fire Hydrant Assembly (PWC) @ _____ per each	14	EA		
C-30	C-18	Install 2" Blowoff Assembly (Tine Rd) (PWC) @ _____ per each	1	EA		
C-31	C-24	Sterilization and Testing @ _____ per linear foot	8,095	LF		
		TOTAL PART "C" PWC WATER CONSTRUCTION				

Item No.	Ref. No.	Item	Estimated Quantities	Unit	Unit Price	Cost Extension
PART "C" AQUA WATER CONSTRUCTION						
C-1	G-8	Seeding (NOA) @_____per acre	0.3	AC		
C-2	C-10	Replace Existing Unmarked Aqua America Water Service @_____per each	10	EA		
C-3	C-19	Tie to Ex. 4" Aqua America Water Line (Kennesaw Dr.) @_____per each	1	EA		
C-4	C-19	Tie to Ex. 6" Aqua America Water Line (Kennesaw Dr.) @_____per each	1	EA		
C-5	C-1	Install 6" C-900 Water Line (Kennesaw Dr) (AQUA) @_____per linear foot	226	LF		
C-6	C-18	Remove & Dispose 6" Aqua America Water Line (Kennesaw Dr.) (AQUA) @_____per linear foot	229	LF		
C-7	C-14	Replace 3/4" water service (Kennesaw Dr.) (AQUA) @_____per each	2	EA		
		TOTAL PART "C" AQUA WATER CONSTRUCTION				

Item No.	Ref. No.	Item	Estimated Quantities	Unit	Unit Price	Cost Extension
PART "D" SANITARY SEWER UTILITIES						
D-1	G-1	Mobilization and Demobilization @_____ lump sum	1	LS		
D-2	G-2	Traffic Control & Traffic Plan @_____ lump sum	1	LS		
D-3	G-3	Erosion & Sediment Control @_____ lump sum	1	LS		
D-4	G-5	Clearing & Grubbing, Permanent Easements @_____ per acre	7.31	AC		
D-5	G-6	Clearing & Grubbing, Temporary Easements @_____ per acre	2.97	AC		
D-6	G-7	Sod Sanitary Sewer (NOA) @_____ per square yard	53,637	SY		
D-7	G-8	Sod Sanitary Sewer Laterals @_____ per acre	1,016	SY		
D-8	G-9	Install French Drains @_____ per linear foot	200	LF		
D-9	D-2	Install 12" CL 50 DIP Sanitary Sewer 0'-6' Depth @_____ per linear foot	305	LF		
D-10	D-2	Install 12" CL 50 DIP Sanitary Sewer 6'-8' Depth @_____ per linear foot	1,670	LF		
D-11	D-2	Install 12" CL 50 DIP Sanitary Sewer 8'-10' Depth @_____ per linear foot	1,493	LF		
D-12	D-2	Install 12" CL 50 DIP Sanitary Sewer 10'-12' Depth @_____ per linear foot	710	LF		
D-13	D-2	Install 12" CL 50 DIP Sanitary Sewer 12'-14' Depth @_____ per linear foot	206	LF		
D-14	D-1	Install 8" SDR26 PVC Sanitary Sewer 0'-6' Depth @_____ per linear foot	102	LF		
D-15	D-1	Install 8" SDR26 PVC Sanitary Sewer 6'-8' Depth @_____ per linear foot	4,817	LF		
D-16	D-1	Install 8" SDR26 PVC Sanitary Sewer 8'-10' Depth @_____ per linear foot	2,694	LF		
D-17	D-1	Install 8" SDR26 PVC Sanitary Sewer 10'-12' Depth @_____ per linear foot	1,211	LF		

D-18	D-1	Install 8" SDR26 PVC Sanitary Sewer 12'-14' Depth @_____ per linear foot	209	LF		
D-19	D-1	Install 8" SDR26 PVC Sanitary Sewer 14'-16' Depth @_____ per linear foot	195	LF		
D-20	D-1	Install 8" SDR26 PVC Sanitary Sewer 16'-18' Depth @_____ per linear foot	234	LF		
D-21	D-1	Install 8" SDR26 PVC Sanitary Sewer 18'-20' Depth @_____ per linear foot	15	LF		
D-22	D-2	Install 8" CL 50 DIP Sanitary Sewer 0'-6' Depth @_____ per linear foot	1,700	LF		
D-23	D-2	Install 8" CL 50 DIP Sanitary Sewer 6'-8' Depth @_____ per linear foot	3,791	LF		
D-24	D-2	Install 8" CL 50 DIP Sanitary Sewer 8'-10' Depth @_____ per linear foot	1,938	LF		
D-25	D-2	Install 8" CL 50CDIP Sanitary Sewer 10'-12' Depth @_____ per linear foot	1,227	LF		
D-26	D-2	Install 8"CL 50 DIP Sanitary Sewer 12'-14' Depth @_____ per linear foot	190	LF		
D-27	D-2	Install 8"CL 50 DIP Sanitary Sewer 14'-16' Depth @_____ per linear foot	57	LF		
D-28	D-2	Install 8"CL 50 DIP Sanitary Sewer 16'-18' Depth @_____ per linear foot	110	LF		
D-29	D-1	Install 8" C-900 Sanitary Sewer 0'-6' Depth @_____ per linear foot	31	LF		
D-30	D-1	Install 8" C-900 Sanitary Sewer 6'-8' Depth @_____ per linear foot	276	LF		
D-31	D-1	Install 8" C-900 Sanitary Sewer 8'-10' Depth @_____ per linear foot	241	LF		
D-32	D-1	Install 8" C-900 Sanitary Sewer 10'-12' Depth @_____ per linear foot	275	LF		
D-33	D-1	Install 8" C-900 Sanitary Sewer 12'-14' Depth @_____ per linear foot	40	LF		
D-34	D-2	Install 8" RJDIP Sanitary Sewer 6'-8' Depth @_____ per linear foot	25	LF		
D-35	D-2	Install 8" RJDIP Sanitary Sewer 8'-10' Depth @_____ per linear foot	10	LF		
D-36	D-2	Install 8" RJDIP Sanitary Sewer 10'-12' Depth @_____ per linear foot	35	LF		
D-37	D-2	Install 8" RJDIP Sanitary Sewer 12'-14' Depth @_____ per linear foot	10	LF		

D-38	D-2	Install 6" RJDIP Sanitary Sewer 6' – 8' Depth @_____ per linear foot	26	LF		
D-39	D-27	Bore & Jack 12" Steel Casing w/ 6" Restrained DIP Carrier Pipe @_____ per linear foot	53	LF		
D-40	D-27	Bore & Jack 16" Steel Casing w/ 8" Restrained DIP Carrier Pipe @_____ per linear foot	553	LF		
D-41	D-27	Bore & Jack 24" Steel Casing w/ 8" Restrained DIP Carrier Pipe @_____ per linear foot	213	LF		
D-42	D-13	Connection to Existing Structures (8" Pipe) @_____ per each	3	EA		
D-43	D-13	Connection to Existing Structures (12" Pipe) @_____ per each	1	EA		
D-44	D-5	Install Sanitary Sewer Manhole 5' Dia 6'-8' Depth @_____ per each	2	EA		
D-45	D-5	Install Sanitary Sewer Manhole 5' Dia 8'-10' Depth @_____ per each	4	EA		
D-46	D-5	Install Sanitary Sewer Manhole 5' Dia 10'-12' Depth @_____ per each	7	EA		
D-47	D-5	Install Sanitary Sewer Manhole 5' Dia 12'-14' Depth @_____ per each	2	EA		
D-48	D-5	Install Sanitary Sewer Manhole 5' Dia 14'-16' Depth @_____ per each	1	EA		
D-49	D-5	Install Sanitary Sewer Flat Top Manhole 4' Dia. 0'-6' Depth @_____ per each	2	EA		
D-50	D-5	Install Sanitary Sewer Manhole 4' Dia 0'-6' Depth @_____ per each	10	EA		
D-51	D-5	Install Sanitary Sewer Manhole 4' Dia 6'-8' Depth @_____ per each	46	EA		
D-52	D-5	Install Sanitary Sewer Manhole 4' Dia 8'-10' Depth @_____ per each	37	EA		
D-53	D-5	Install Sanitary Sewer Manhole 4' Dia 10'-12' Depth @_____ per each	16	EA		
D-54	D-5	Install Sanitary Sewer Manhole 4' Dia 12'-14' Depth @_____ per each	5	EA		
D-55	D-5	Install Sanitary Sewer Manhole 4' Dia 14'-16' Depth @_____ per each	2	EA		
D-56	D-5	Install Sanitary Sewer Manhole 4' Dia 18'-20' Depth @_____ per each	1	EA		
D-57	D-6	Install Sanitary Sewer Doghouse Manhole 5' Dia. 0'-6' Depth @_____ per each	1	EA		

D-58	D-6	Install Sanitary Sewer Doghouse Manhole 5' Dia. 6'-8' Depth @_____per each	1	EA		
D-59	D-6	Install Sanitary Sewer Doghouse Manhole 5' Dia. 8'-10' Depth @_____per each	1	EA		
D-60	D-6	Install Sanitary Sewer Doghouse Manhole 5' Dia. 10'-12' Depth @_____per each	2	EA		
D-61	D-12	Install 2" Low Pressure Service Lateral @_____per each	3	EA		
D-62	D-7	Install 4" Interior Drop Structure @_____per each	9	EA		
D-63	D-7	Install 8" Interior Drop Structure @_____per each	8	EA		
D-64	D-8	Install 4" SDR26 Sanitary Sewer Lateral @_____per each	150	EA		
D-65	D-9	Install 4" DIP Sanitary Sewer Lateral @_____per each	93	EA		
D-65A	D-9	Install 4" RJDIP Sanitary Sewer Lateral @_____per each	1	EA		
D-66	D-9	Install 6" DIP Sanitary Sewer Lateral @_____per each	1	EA		
D-67	D-32	Install Manhole Vent @_____per each	5	EA		
D-68	D-29	Install Camlock Ring & Cover @_____per each	80	EA		
D-69	D-29	Retrofit Existing Manhole with Camlock Ring & Cover @_____per each	5	EA		
D-70	D-17	Testing @_____per linear foot	24,662	LF		
D-71	D-16	Undercut @_____per cubic yard	500	CY		
D-72	G-4	Borrow Excavation (Select Backfill) @_____per cubic yard	750	CY		
D-73	D-25	Abandon & Grout Fill Exist. Sewer @_____per linear foot	259	LF		
D-74	D-26	Abandon Exist. Manhole @_____per each	1	EA		
D-75	D-10	Abandon Exist. Sewer Lateral @_____per each	5	EA		
D-76	D-11	Reconnect Sewer Lateral to Existing Plumbing @_____per each	4	EA		

D-77	D-33	Install 4' Tall 15' Wide Double Chain Link Gate @_____ per each	1	EA		
D-78	D-33	Install 4' Tall 20' Wide Double Chain Link Gate @_____ per each	29	EA		
D-79	D-33	Install 6' Tall 20' Wide Double Chain Link Gate @_____ per each	1	EA		
D-80	D-33	Install 6' Tall 15' Wide Double Wood Gate @_____ per each	1	EA		
D-81	D-33	Install 6' Tall 20' Wide Wood Privacy Gate @_____ per each	19	EA		
		Omitted				
D-83	B-13	Remove & Dispose of 15" RCP @_____ per linear foot	103	LF		
D-84	B-13	Remove & Dispose of 18" RCP @_____ per linear foot	331	LF		
D-85	B-1	Install 15" CL III RCP 0'-6' Depth @_____ per linear foot	62	LF		
D-86	B-1	Install 18" CL III RCP 0'-6' Depth @_____ per linear foot	346	LF		
D-87	B-2	Install SDMH 0'-6' Depth @_____ per each	4	EA		
D-88	B-2	Install Catch Basin 0' -6' Depth @_____ per each	3	EA		
D-89	C-28	Abandon Exist. Private Well in Accordance with NCDEH requirements and sod @_____ per each	14	EA		
		TOTAL PART "D" SANITARY SEWER UTILITIES				

BID SUMMARY

TOTAL PART "A" STREET CONSTRUCTION \$ _____
TOTAL PART "C" WATER (PWC) \$ _____
TOTAL PART "C" WATER (AQUA) \$ _____
TOTAL PART "D" SANITARY SEWER \$ _____
TOTAL BASE BID \$ _____

ALTERNATE BID:
SUBSTITUTE 16" HDPE DIRECTIONAL DRILL IN
PART "C" WATER (PWC) FOR 12" RJDIP
DIRECTIONAL DRILL (ITEM C-21) ADD/DEDUCT \$ _____
TOTAL ALTENATE BID \$ _____

SUE BY SO-DEEP, US, PC

TEST HOLE	LOCATION	UTILITY TOP ELEV.	DESCRIPTION	OWNER
TH #1	STA 0+83 TIME RD-26+81 RIM RD	219.36	6-1/2" PVC WATER	AQUA
		219.58	1-1/4" CABLE	UNKNOWN
TH #2	STA 0+18 1461 RIM RD	225.63	4-1/4" PVC WATER	AQUA
TH #3	STA 0+19 1549 RIM RD	224.05	2-1/2" PVC WATER	AQUA
TH #4	STA 2+95 PROFILE H-5	228.51	6-1/2" PVC WATER	AQUA
TH #4A	STA 10+00 COLERIDGE	204.01	6-1/2" PVC WATER	AQUA
TH #5	STA 0+34 PROFILE H-6	227.11	6-1/2" PVC WATER	AQUA
TH #5A	STA 0+14 COLERIDGE	196.32	2-1/4" PVC WATER	AQUA
TH #6	STA 0+64 1548 RIM RD	226.30	6-1/2" PVC WATER	AQUA
TH #6A	STA 0+39 1548 RIM RD	226.61	2" TELEPHONE CABLE	CENTURYLINK
TH #7	STA 0+19 PROFILE J	222.69	5-1/4" AC WATER	AQUA
TH #8	STA 10+36 WINTERBERRY	217.85	6-1/2" PVC WATER	AQUA
TH #9	STA 16+64 KENNESAW	202.70	6-1/4" PVC WATER	AQUA
TH #10	STA 16+08 MOUNTAIN HOME 40+78 RIM RD	203.10	6-1/4" PVC WATER	AQUA
TH #11	STA 15+85 KENNESAW	204.44	6-1/4" PVC WATER	AQUA
TH #12	STA 1+79 GOODEN-17+62 KENNESAW	201.92	4-1/2" PVC WATER	AQUA

WELLS TO BE ABANDONED (TYP. ALL SHEETS)

- CONTRACTOR SHALL PROVIDE WATER LATERALS IN ACCORDANCE WITH APPLICABLE STANDARD DETAILS TO SERVE ADDRESSES SHOWN IN THE TABLE BELOW. THE LOCATION AND SIZES ARE TO BE AS INDICATED ON THE PLANS.
- CONTRACTOR SHALL INTERCEPT EXISTING DOMESTIC WATER PLUMBING OF EACH PROPERTY. CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH ALL AQUA, STATE, AND LOCAL PLUMBING CODES. CONTRACTOR SHALL COORDINATE WITH CITY OF FAYETTEVILLE PLUMBING INSPECTIONS DEPARTMENT TO COORDINATE AN INSPECTION OF THE NEW CONNECTION.
- CONTRACTOR SHALL NOTIFY PWC AND CUMBERLAND COUNTY HEALTH DEPARTMENT 15 BUSINESS DAYS IN ADVANCE OF WELL ABANDONMENT. ONCE WATER SERVICE HAS BEEN PROVIDED TO THE ADDRESSES SHOWN IN THE TABLE BELOW, THE EXISTING WELLS SHALL BE ABANDONED IN ACCORDANCE WITH ALL LOCAL AND STATE REQUIREMENTS AND SHALL BE INSPECTED AND APPROVED BY CUMBERLAND COUNTY HEALTH DEPARTMENT.

ADDRESS	ACTION REQ'D	SERVICE TO BE PROVIDED BY PWC
1. 901 Broadfoot Dr.	ABANDON WELL	AQUA AVAILABLE
2. 1671 Rim Rd.	ABANDON WELL	SINGLE
3. 1690 Rim Rd.	ABANDON TWO WELLS	SINGLE
4. 9402 Time Rd.	ABANDON WELL	SINGLE
5. 9086 Time Rd.	ABANDON WELL	SINGLE
6. 9334 Time Rd.	ABANDON WELL	SINGLE
7. 1548 Rim Rd.	ABANDON WELL	SINGLE
8. 1911 Rim Rd.	ABANDON WELL	SINGLE
9. 1493 Rim Rd.	ABANDON WELL	SINGLE
10. 1501 Rim Rd.	ABANDON WELL	SINGLE
11. 1631 Rim Rd.	ABANDON WELL	SINGLE
12. 1528 Time Rd.	ABANDON WELL	SINGLE
13. 9360 Time Rd.	ABANDON WELL	SINGLE
14. 1631 Rim Rd.	ABANDON WELL	SINGLE

IMMEDIATELY UPON COMPLETION, STREAMBED SHALL BE RESTORED WITH NATURAL STREAMBED MATERIAL TO A DEPTH OF NO LESS THAN 12 INCHES OR TO THE BOTTOM DEPTH OF THE IMPACTED AREA IF SHALL LOWER THAN 12 INCHES AND SHALL TIE IN TO THE ADJACENT STREAMBANK UP AND DOWN STREAM. (SEE STREAM STABILIZATION DETAIL SHEET D-2)

WATER SERVICE NOTE:
CONTRACTOR SHALL INSTALL WATER SERVICES THAT CROSS PAVEMENT BY TRENCHLESS METHOD (TYP.)

Drawn by David Maples
Checked David E. Vaughn, PE, PLS
Reviewed Jeffrey B. Reitzel, PE, PLS
Date FEB 2023

Fayetteville Annexation Phase V
Construction Project XI
Area 25 - Lake Rim Estates
Partial Utility Plan

Revision	By	Date
1	DVM	AUGUST 2022
2	DVM	AUGUST 2022
3	DVM	AUGUST 2022
4	DVM	AUGUST 2022
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97	DVM	AUGUST 2022
98	DVM	AUGUST 2022
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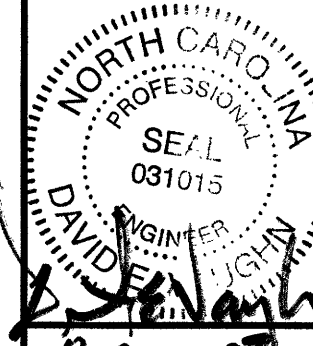
115 Broadfoot Avenue
Fayetteville, N.C.
P.O. Box 53774
Phone 910-484-5191
Firm No. F-0106

SEAL 031015
8-30-2023

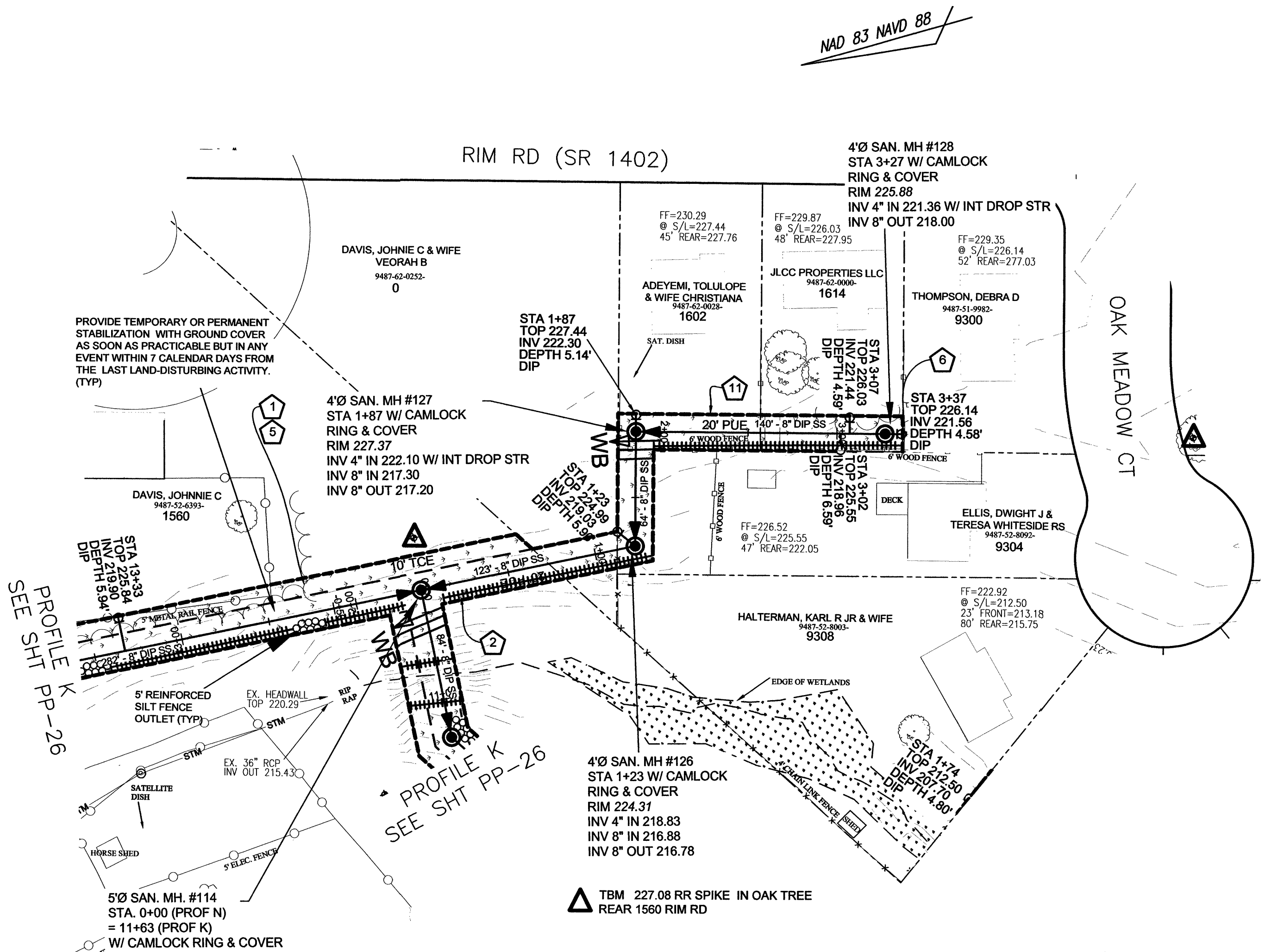
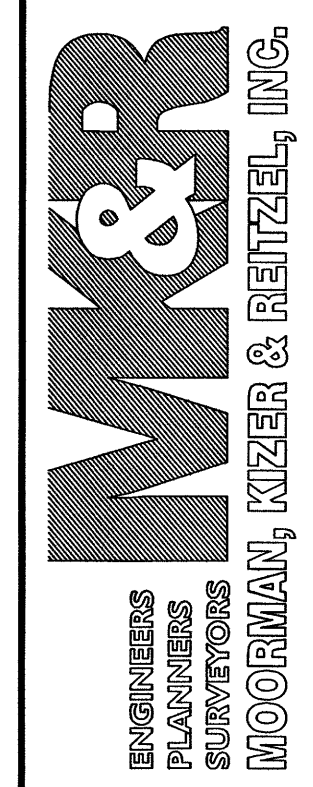
M&R ENGINEERS PLANNERS SURVEYORS
MOORMAN, KIZER & REITZEL, INC.

Scale 1" = 100'
Book no.
Sheet UTIL - 3

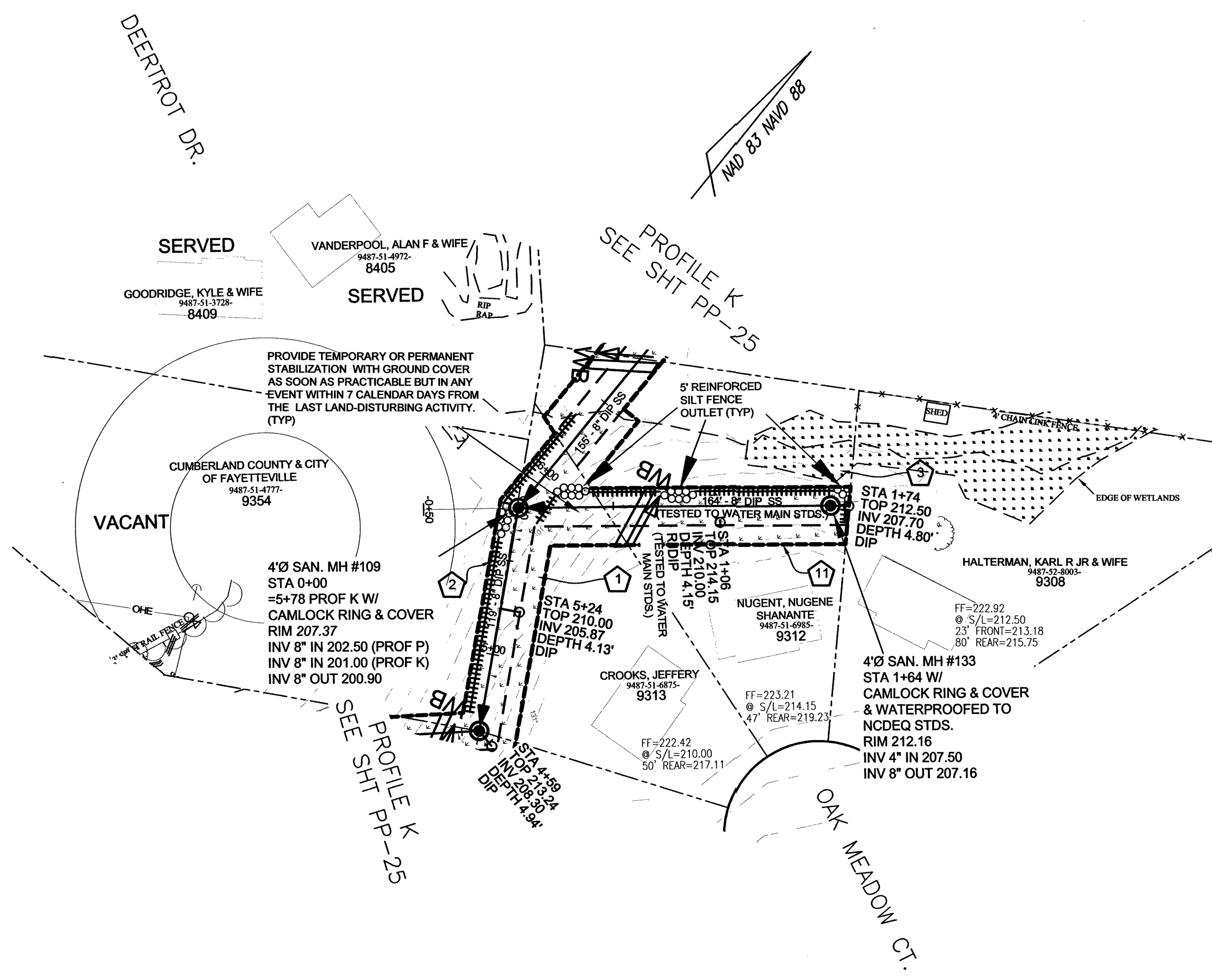
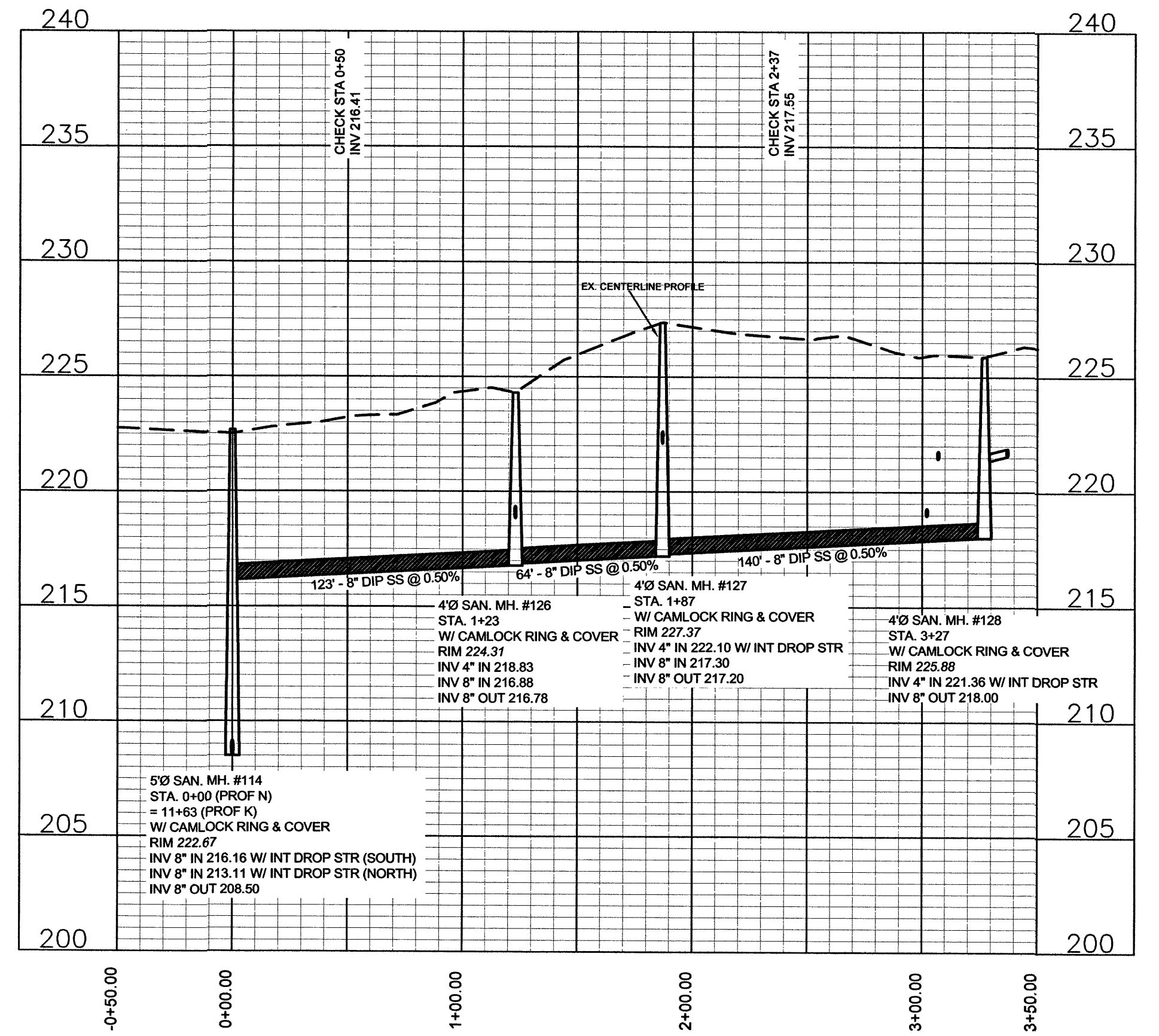
Revision	By	Date
RUDIP LATERAL STA 1+08	DWM	AUG 2023



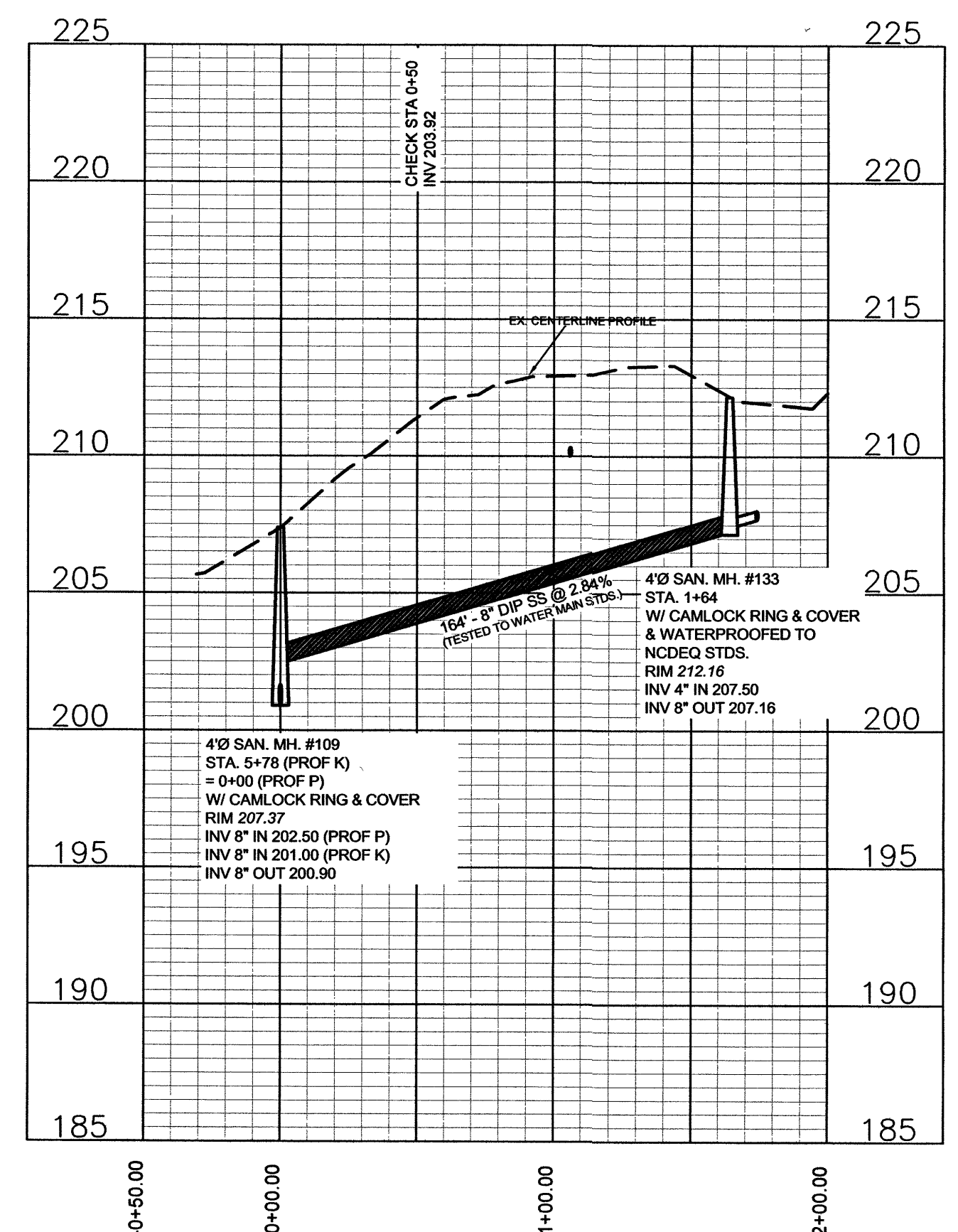
115 Broadfoot Avenue
 Fayetteville, N.C.
 P.O. Box 53774
 Phone 910-484-5191
 Firm No. F-0106



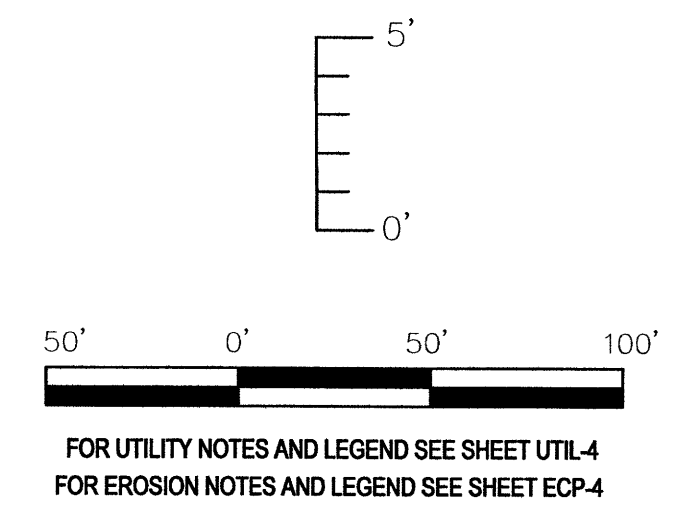
PROFILE N
 STA 0+00 TO END



PROFILE P
 STA 0+00 TO END



▲ TBM 227.56 RR SPIKE IN OAK TREE BETWEEN 9301 & 9305 OAK MEADOW CT.



FOR UTILITY NOTES AND LEGEND SEE SHEET UTIL-4
 FOR EROSION NOTES AND LEGEND SEE SHEET ECP-4