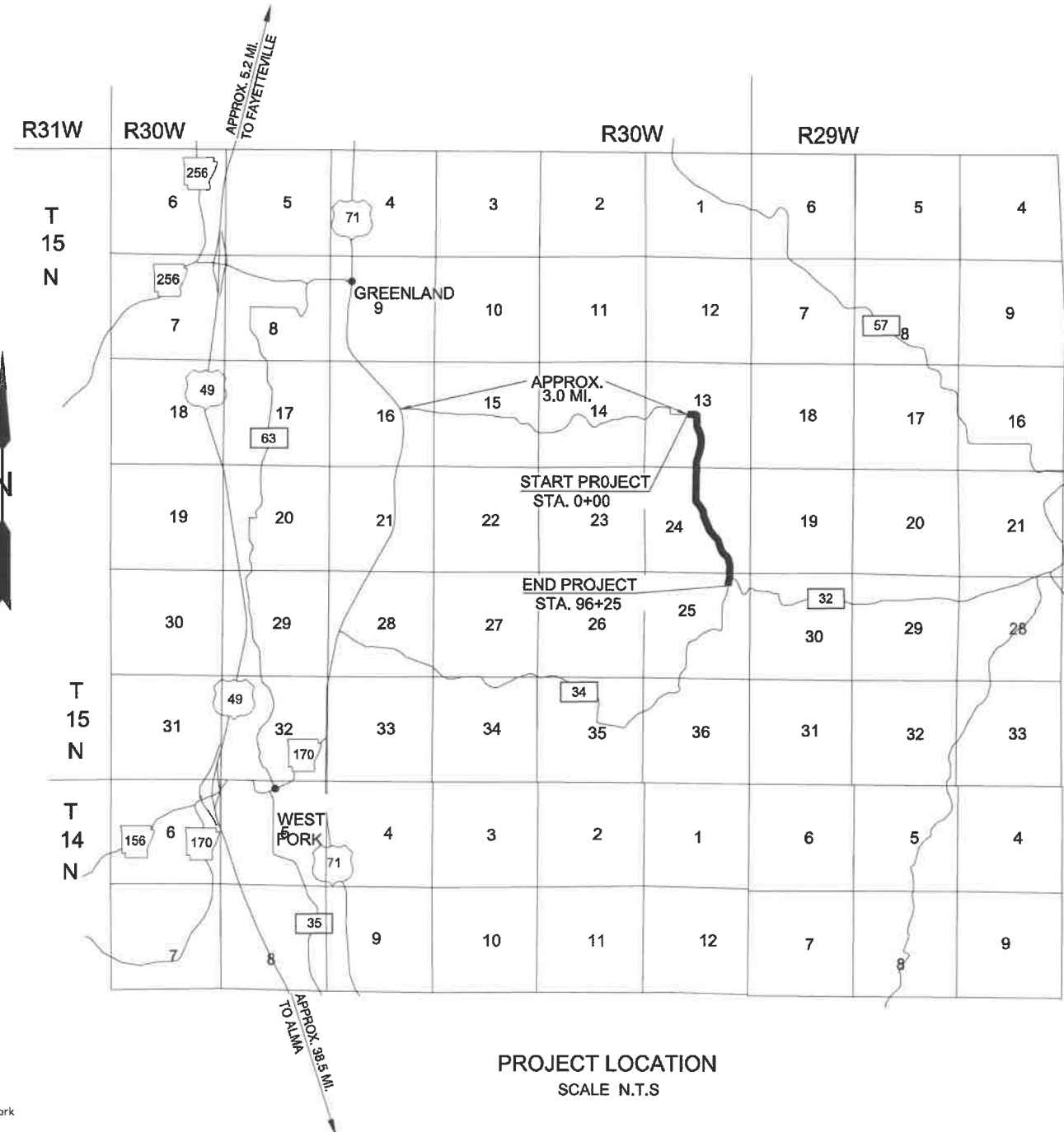


E WALLIN MNT ROAD

SECTIONS 13, 24 AND 25, TOWNSHIP 15 NORTH, RANGE 30 WEST
 GRADING, DRAINAGE, AND SUFACING PLANS
 WASHINGTON COUNTY, ARKANSAS
 LATITUDE 35°58'11.79"N LONGITUDE 94°06'56.50"W



STATE MAP
SCALE N.T.S



PROJECT LOCATION
SCALE N.T.S

SHEET INDEX		
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5 OF 21		QUANTITIES
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18 OF 21	4 OF 6	PLAN AND PROFILE SHEET
19 OF 21	5 OF 6	PLAN AND PROFILE SHEET
20 OF 21	6 OF 6	PLAN AND PROFILE SHEET
21 OF 21		TRAFFIC CONTROL PLAN

E WALLIN MNT ROAD PHASE 1
COVER SHEET

E WALLIN MNT ROAD

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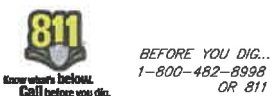
WASHINGTON COUNTY ROAD DEPARTMENT
2615 S. BRINK DRIVE FAYETTEVILLE, ARKANSAS



WASHINGTON COUNTY ROAD DEPARTMENT
2615 S. BRINK DRIVE FAYETTEVILLE,
ARKANSAS



DESIGN BY: IPM CHECK BY: WCRD DATE: 11/29/19 SHEET 1 OF 21



PRIOR TO PERFORMING ANY GRADING OR EXCAVATING WORK THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND ARKANSAS ONE-CALL NOT LESS THAN 48 HOURS IN ADVANCE AND SHALL VERIFY OR ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND LINES.

TYPICAL LEGEND ITEMS

- E — E — Electric Line
- SS — SS — Sewer Line
- T — T — Telephone Line
- G — G — Gas Line
- W — W — Water Line
- OWH — OWH — Overhead Line
- — Section Line
- X — X — Fence Line
- R/W — R/W — Right-of-Way Line
- — Center Line
- — Property Line
- MB — Mail Box
- TB — Telephone Box
- EB — Electric Box
- FD — Firehydrant
- GM — Gas Meter
- LP — Light Pole
- UP — Utility Pole
- SM — Sewer Manhole
- WM — Water Meter
- WS — Water Spigot
- WV — Water Valve
- CP — Control Point/Bench Mark

ROADWAY GENERAL CONSTRUCTION NOTES:

THE EXISTING ROAD SHALL REMAIN OPEN TO LOCAL AND CLOSED TO THROUGH TRAFFIC DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BARRICADES, LIGHTS AND SIGNING WITHIN THE LIMITS OF CONSTRUCTION. ALL CONSTRUCTION SIGNING WILL BE DONE ACCORDING TO STANDARDS SET FORTH IN THE ARKANSAS 2014 STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION AND AS SHOWN ON THE STANDARD DRAWINGS.

THE CONTRACTOR SHALL REMOVE AND RESET MAILBOXES AS NECESSARY. COST TO BE INCLUDED IN OTHER ITEMS OF WORK. MAILBOXES ARE TO REMAIN IN AN UPRIGHT POSITION AND ACCESSIBLE TO MAIL CARRIER'S CAR DURING CONSTRUCTION. ANY DAMAGE TO BOXES OR SUPPORTS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

ALL TREES, BRUSH AND OTHER DEBRIS THAT MIGHT INTERFERE WITH STORMWATER RUNOFF IS TO BE CLEANED OUT AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

ALL FLOW LINES THAT ARE TO BE FILLED SHALL BE THOROUGHLY TAMPED BEFORE COSTRUCTION. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

TREES OUTSIDE THE TOE OF SLOPE/TOP OF CUT SHALL NOT BE DISTURBED WITHOUT APPROVAL OF THE ENGINEER. ONLY A MINIMAL AMOUNT OF TREE REMOVAL SHALL BE DONE WHILE CONSTRUCTING THE NEW RIGHT OF WAY FENCE.

SEE PAY QUANTITY NOTE (1).

MAINTENANCE OF THROUGH TRAFFIC INCLUDES THE MAINTENANCE OF THE EXISTING ROAD, SIDE ROADS AND PRIVATE ENTRANCES.

IN ORDER TO ALLEVIATE DUST CONDITIONS, THE CONTRACTOR SHALL SPRINKLE THE ROADWAY DURING GRADING OPERATIONS. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

EXISTING ROAD BED AND TURNOUTS SHALL BE EXCAVATED IN THOSE AREAS WITHIN THE RIGHT OF WAY THAT ARE NOT WITHIN THE CONSTRUCTION LIMITS OF THE NEW ROAD. THOSE AREAS SHALL BE FINISH GRADED TO THE SATISFACTION OF THE ENGINEER.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TEMPORARY FENCING AS NEEDED TO ENSURE THAT LIVESTOCK ARE CONTAINED AND DO NOT CAUSE A SAFETY HAZARD TO MOTORISTS AND/OR LOSS OF LIVESTOCK. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

CONTRACTOR SHALL BLEND NEW DITCH FLOWLINES AND SLOPES TO MATCH EXISTING FLOWLINES AT THE BEGINNING AND END OF THE PROJECT, AND AT SIDE ROAD INTERSECTIONS.

CONTRACTOR SHALL VERIFY ALL PRIVATE ENTRANCES AND SIDE ROADS PRIOR TO CONSTRUCTION.

ALL MATERIAL TESTING (QUALITY CONTROL) WILL BE PERFORMED BY THE WASHINGTON COUNTY ROAD DEPARTMENT. PAYMENT FOR MATERIALS (DELIVERED, ON HAND, OR UTILIZED) WILL NOT BE MADE UNTIL TESTING IS APPROVED.

THE CONTRACTOR SHALL SUBMIT ALL MATERIAL SPECIFICATIONS TO THE ENGINEER FOR APPROVAL AND PAYMENT.

GENERAL NOTES:

1. CAUTION: UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS; HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. SOME UTILITIES MAY HAVE BEEN RELOCATED SINCE THE TIME OF DESIGN AND THE CONTRACTOR'S NOTICE TO PROCEED. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY. ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998 OR 811. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM. THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE, AND ARE THE LOCATIONS AT THE TIME OF DESIGN.

2. BASIS OF SURVEY NAD 83 (2011) DATUM, ARKANSAS NORTH ZONE, AND VERTICAL DATUM OF NGVD 88.

3. GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.

4. ALL PIPE LINES, POWER, TELEPHONE AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.

5. ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U. S. MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.

7. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.

8. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS UTILE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FENCE TO CONTROL LIVESTOCK IN AREAS WHERE PASTURES ARE SEVERED. WIRE FENCE MAY BE CONSTRUCTED INITIALLY, OR IN LIEU THEREOF, THE CONTRACTOR AT HIS OWN EXPENSE, MAY ELECT TO PROVIDE TEMPORARY FENCING SUITABLE TO CONTAIN LIVESTOCK.

10. THE TOPSOIL AND SEEDING QUANTITY IN THE PLANS INCLUDES THE UTILITY EASEMENT ADJACENT TO THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE TO TOPSOIL AND SEED ALL OTHER DISTURBED AREAS AT NO ADDITIONAL COMPENSATION.

PAY QUANTITY NOTES:

(1) LIMITS OF CLEARING AND GRUBBING SHALL BE AS FOLLOWS:
EXTENTS WITH NEW RIGHT OF WAY FENCING - CLEAR TO RIGHT OF WAY
EXTENTS WITHOUT NEW RIGHT OF WAY FENCING - CLEAR TO TOP OF CUT/TOE OF SLOPE

(2) EXCAVATION QUANTITY INCLUDES 100,510 FOR MAINLINE, 508 CY FOR CROSS DRAINS, AND AN ESTIMATED 25,000 CY FOR SIDE ROADS, PRIVATE ENTRANCES, DITCH TREATMENTS, BENCHING, AND UNDERCUT OF UNSUITABLE MATERIAL AS DIRECTED BY THE ENGINEER.

UNCLASSIFIED BORROW WILL ONLY BE PAID FOR AFTER ALL USABLE UNCLASSIFIED EXCAVATION HAS BEEN USED FOR EMBANKMENT.

(3) INCLUDES COST OF SALVAGING, STOCKPILING AND PLACEMENT OF EXISTING NATURAL TOPSOIL WITHIN THE LIMITS OF CONSTRUCTION.

(4) INCLUDES _____ SY FOR CROSS DRAINS.

(5) WATERING SHALL BE INCLUDED IN THE PRICE BID FOR SODDING AND SEEDING. THE CONTRACTOR SHALL PROVIDE A SUFFICIENT QUANTITY TO ENSURE ADEQUATE GRASS GROWTH AS APPROVED BY THE ENGINEER. PAYMENT FOR SODDING/SEEDING WILL NOT BE PAID UNTIL ADEQUATE GRASS GROWTH HAS BEEN ACHIEVED.

(6) INCLUDES MAINLINE AND GUARDRAIL WIDENINGS. COST FOR PREPARING SUBGRADE FOR SIDE ROADS, PRIVATE ENTRANCES, MAILBOX WIDENINGS, TO BE INCLUDED IN OTHER ITEMS OF WORK.

(7) INCLUDES MAINLINE, SIDE ROADS, PRIVATE DRIVES, GUARDRAIL WIDENINGS, AND MAILBOX WIDENINGS.

(8) INCLUDES REMOVAL OF ANY OBSTRUCTIONS WITHIN THE PROPOSED RIGHT OF WAY AS DIRECTED BY THE ENGINEER. EXISTING STEEL/CONCRETE PIPES AND GUARDRAIL THAT ARE IN DETERMINED IN GOOD CONDITION BY THE ENGINEER SHALL BECOME THE PROPERTY OF THE COUNTY COMMISSIONER. ALL REMAINING DEBRIS SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

(9) INCLUDES 15,622 GAL FOR MAINLINE, MAILBOX WIDENINGS, GUARDRAIL WIDENINGS, PRIVATE ENTRANCES AND SIDE ROADS. THE NEW ASPHALT SURFACE OF THE MAINLINE ROADWAY SHALL BE FOG SEALED AFTER ALL ASPHALT IS COMPLETED. THE FOG SEAL SHALL BE THE SAME MATERIAL USED FOR TACK COAT. THE ESTIMATE FOR FOG SEAL IS 2,082 GAL, BASED ON 0.02 GAL PER SQUARE YARD PRIOR TO DILUTION. ALL COSTS ASSOCIATED WITH FOG SEAL OPERATIONS SHALL BE INCLUDED IN THE TACK COAT PAY ITEM.

(10) INCLUDES ___ ACRES FOR TEMPORARY SEEDING.

(11) INCLUDES THE COST OF TRENCH EXCAVATION, COURSE AGGREGATE COVER MATERIAL AND BEDDING MATERIAL.

(12) INCLUDES 126 TON FOR CROSS DRAINS AND 100 TON TO BE USED AS DIRECTED BY THE ENGINEER.

(13) DELINEATORS TO BE PLACED AT ALL CROSS DRAIN STRUCTURES. TWO DELINEATORS SHALL BE PLACED AT EACH RCP CROSS DRAIN STRUCTURE, AND FOUR DELINEATORS SHALL BE PLACED AT EACH CORNER OF AN RCB CROSS DRAIN STRUCTURE. DELINEATORS SHALL BE A SYSTEM USING REFLECTIVE STRIPS APPROVED BY THE ENGINEER.

GENERAL NOTES:

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BEFORE YOU DIG...
1-800-482-8998
OR 811

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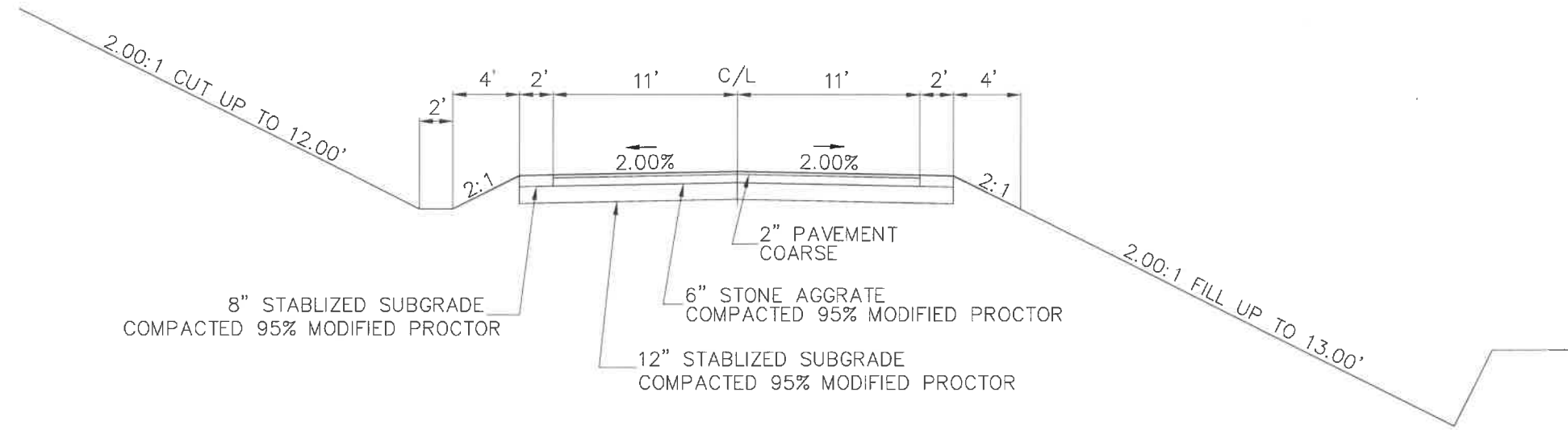
E WALLIN MNT ROAD PHASE 1
NOTES

E WALLIN MNT
ROAD

Ian McCune
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OFFICE: 405.223.8811
CELL: 405.223.8811

WASHINGTON COUNTY ROAD DEPARTMENT
2615 S. BRINK DRIVE FAYETTEVILLE,
ARKANSAS





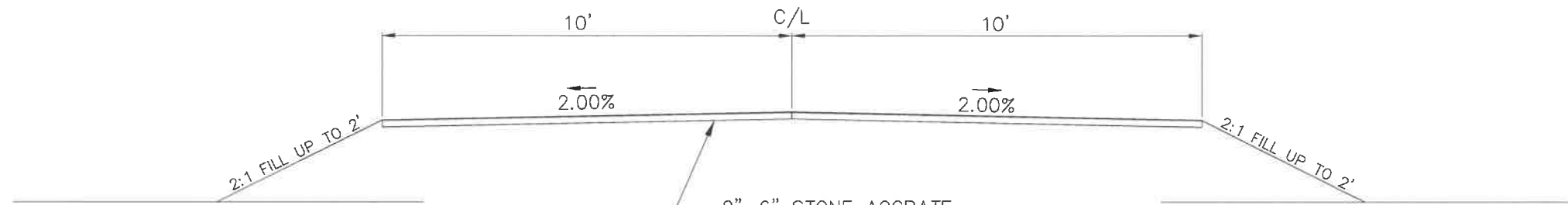
8" STABILIZED SUBGRADE
COMPACTED 95% MODIFIED PROCTOR

6" STONE AGGRATE
COMPACTED 95% MODIFIED PROCTOR

12" STABILIZED SUBGRADE
COMPACTED 95% MODIFIED PROCTOR

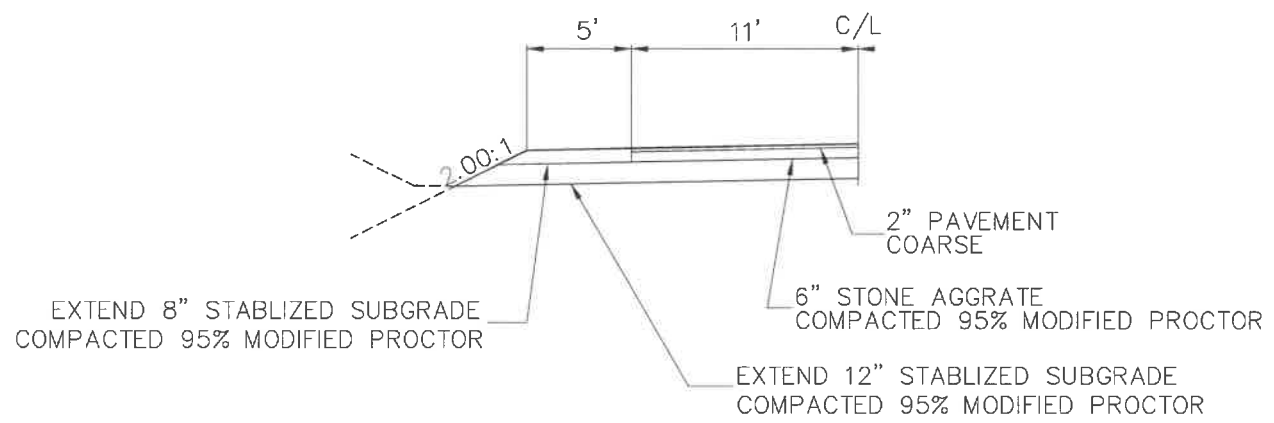
2" PAVEMENT
COARSE

TYPICAL ROAD TEMPLATE
N.T.S.



2"-6" STONE AGGRATE
COMPACTED 95% MODIFIED PROCTOR

TYPICAL DRIVEWAY TEMPLATE
N.T.S.



EXTEND 8" STABILIZED SUBGRADE
COMPACTED 95% MODIFIED PROCTOR

6" STONE AGGRATE
COMPACTED 95% MODIFIED PROCTOR

EXTEND 12" STABILIZED SUBGRADE
COMPACTED 95% MODIFIED PROCTOR

2" PAVEMENT
COARSE

TYPICAL MAILBOX WIDENING
N.T.S.

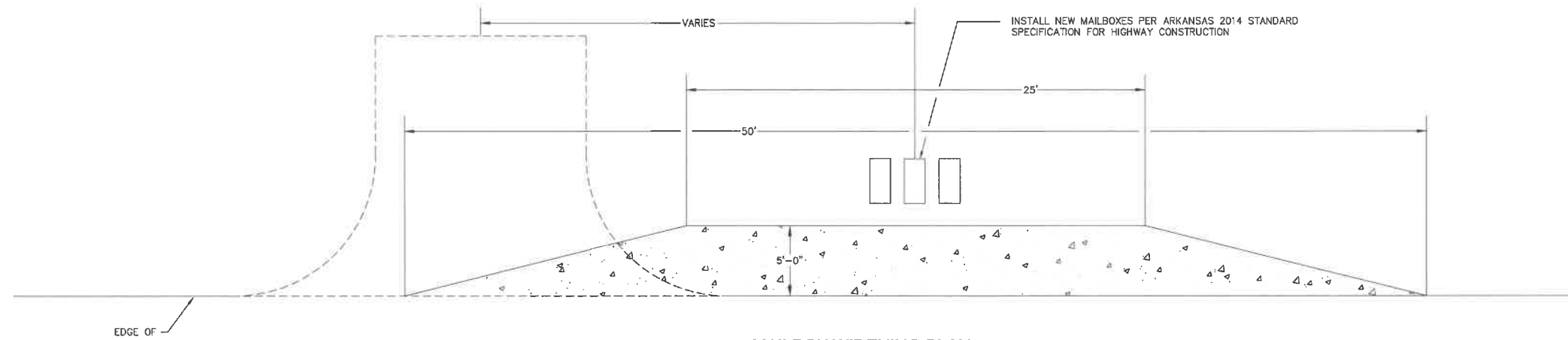
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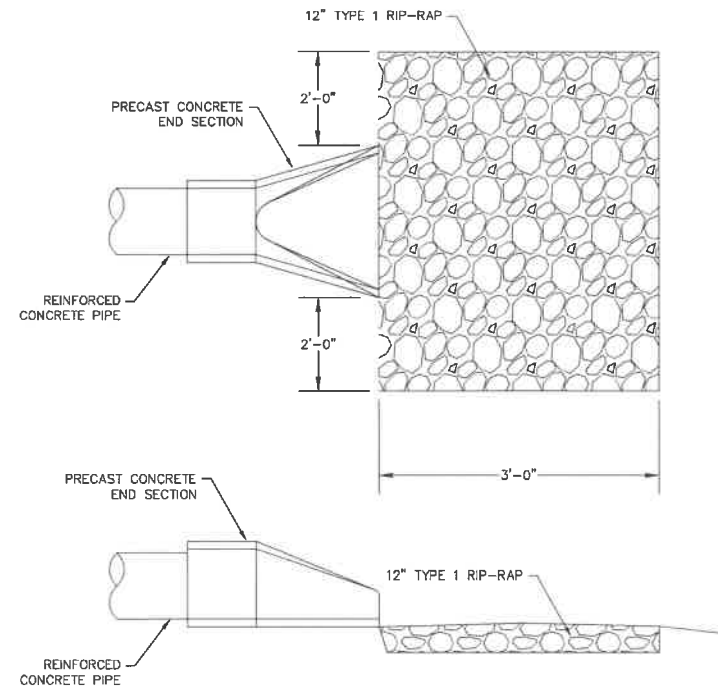
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MAILBOX WIDENING PLAN
N.T.S.



TYPICAL RCP CROSS DRAIN OUTLET DETAIL
SEE PLAN AND PROFILE FOR CROSS DRAIN LOCATIONS
N.T.S.

GENERAL NOTES:
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STRUCTURE NUMBER	STATION	OFFSET FROM CENTERLINE		STRUCTURE SIZE, LENGTH AND TYPE
		LEFT	RIGHT	
		SD01RT	0+53	
SD02RT	3+44	18.00		24" x 36' CMP
SD01LT	4+62	18.00		24" x 48' CMP
SD02LT	7+10	18.00		24" x 36' CMP
SD03LT	8+32	18.00		24" x 36' CMP
SD04LT	10+60	18.00		24" x 36' CMP
SD03RT	11+83	18.00		24" x 36' CMP
SD05LT	14+18	18.00		24" x 36' CMP
SD06LT	18+21	18.00		24" x 36' CMP
SD04RT	18+51	18.00	18.00	24" x 36' CMP
SD07LT	19+41	18.00		24" x 36' CMP
SD08LT	21+71	18.00		24" x 36' CMP
SD09LT	25+63	18.00		24" x 36' CMP
SD10LT	28+35	18.00		24" x 36' CMP
SD05RT	29+38		18.00	24" x 36' CMP
SD06RT	36+46		18.00	24" x 36' CMP
SD07RT	48+14		18.00	24" x 36' CMP
SD08RT	48+42		18.00	24" x 36' CMP
SD09RT	49+22		18.00	24" x 36' CMP
SD11LT	56+11	18.00		24" x 36' CMP
SD12LT	61+98	18.00		24" x 36' CMP
SD13LT	62+56	18.00		24" x 36' CMP
SD14LT	66+69	18.00		24" x 36' CMP
SD15LT	71+83	18.00		24" x 36' CMP
SD10RT	74+96		18.00	24" x 36' CMP
SD16LT	75+05	18.00		24" x 64' CMP
SD11RT	76+64		18.00	24" x 36' CMP
SD12RT	77+94		18.00	24" x 36' CMP
SD17LT	85+36	18.00		24" x 36' CMP
SD18LT	91+39	18.00		24" x 64' CMP
SD13RT	92+12		18.00	24" x 36' CMP
213 FEET TRACE BRANCH TIE IN				
SD-2 01LT	0+43	18.00		24" x 36' CMP
SD-2 01RT	0+58		18.00	24" x 36' CMP

BEGINNING STATION	OFFSET		END STATION	OFFSET		TYPE	LINEAR FEET	GATE	GATE STATION	GATE OFFSET	GATE USE
	LEFT	RIGHT		LEFT	RIGHT						
	0+00	31.00			1+36						
1+36	20.00		4+43	31.00		5 STRAND BARB WIRE	307.00	NO			
4+89	34.00		6+99	26.00		HOG WIRE AND 2 STRAND BARB WIRE	210.00	NO			
4+96		31.00	6+27		21.00	CHAINLINK	131.00	NO			
7+20	25.00		10+30	25.00		HOG WIRE	310.00	NO			
10+31	25.00		12+14	33.00		WOOD UNKOWN TYPE	183.00	NO			
12+09	23.00		18+17	31.00		HOG WIRE AND 2 STRAND BARB WIRE	608.00	NO			
19+81	29.00		23+07	15.00		HOG WIRE AND 1 STRAND BARB WIRE	326.00	YES	21+82	26' LT.	DRIVE THROUGH
23+07	15.00		25+49	26.00		5 STRAND BARB WIRE	242.00	NO			
28+64	26.00		59+48	11.00		5 STRAND BARB WIRE	3084.00	YES	28+64	33' LT.	DRIVE THROUGH
									56+11	21' LT.	DRIVE THROUGH
36+56		11.00	45+16		8.00	4 STRAND BARB WIRE	860.00	YES	36+46	14' RT.	DRIVE THROUGH
45+20		9.00	48+02		13.00	HOG WIRE AND 4 STRAND BARB WIRE	282.00	NO			
59+62	9.00		63+88	16.00		2 ROUNDED RAIL WOOD FENCE	426.00	NO			
66+78	23.00		74+78	32.00		HOG WIRE AND 2 STRAND BARB WIRE	800.00	YES	71+83	22' LT.	DRIVE THROUGH
77+30	34.00		89+68	43.00		5 STRAND BARB WIRE	1238.00	YES	85+36	43' LT.	DRIVE THROUGH
89+68	44.00		91+02	43.00		HOG WIRE	134.00	NO			
213 FEET TRACE BRANCH TIE IN											
0+32	46.00		0+58	27.00		HOG WIRE	26.00	YES	0+52	38' LT.	WALK THROUGH

STRUCTURE NUMBER	STATION	STRUCTURE SIZE, LENGTH AND TYPE	FLOW LINE		OFFSET FROM CENTERLINE	
			LEFT	RIGHT	LEFT	RIGHT
			CD1	4+11	24"x56' RCP	1804.67
CD2	21+25	36"x30' RCP	1803.85	1803.25	15.00	15.00
CD3	34+43	24"x30' RCP	1806.48	1805.90	15.00	15.00
CD4	72+59	36"x30' RCP	1689.04	1689.63	15.00	15.00
CD5	82+93	24"x30' RCP	1717.54	1718.46	15.00	15.00
CD6	87+83	24"x30' RCP	1718.78	1719.36	15.00	15.00

E WALLIN MNT ROAD PAVEMENT AND SUBGRADE QUANTITIES	
Item	Cubic Yards
2" PAVEMENT COARSE	1,307
6" STABILIZED SUBGRADE, COMPACTED 95% MODIFIED PROCTOR	3,921
8" STABILIZED SUBGRADE, COMPACTED 95% MODIFIED PROCTOR	951
12" STABILIZED SUBGRADE, COMPACTED 95% MODIFIED PROCTOR	9,268

EROSION CONTROL	
ITEM	QUANTITIES
SILT FENCE	18800 LINEAR FEET
TEMPORARY DIKES	160 TOTAL

CLEARING AND GRUBBING	
	11.5 ACRES

STATION	MAILBOX QUANTITIES	OFFSET FROM CENTERLINE	
		LEFT	RIGHT
		3+61	1.00
7+20	1.00	9.00	
10+74	1.00	14.00	
11+60	1.00	6.00	
29+45	1.00	12.00	
48+02	1.00	12.00	
48+25	1.00	14.00	
48+30	1.00	14.00	
49+04	1.00	17.00	
49+08	1.00	18.00	
49+11	1.00	17.00	
61+83	1.00	7.00	
75+11	1.00	17.00	
75+16	3.00	17.00	
75+18	1.00	17.00	
75+20	2.00	17.00	
76+50	1.00	20.00	
77+81	1.00	15.00	
78+13	1.00	16.00	

GENERAL NOTES:
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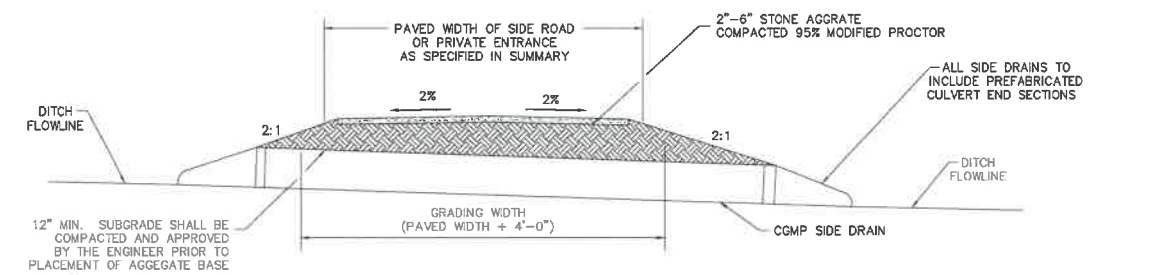
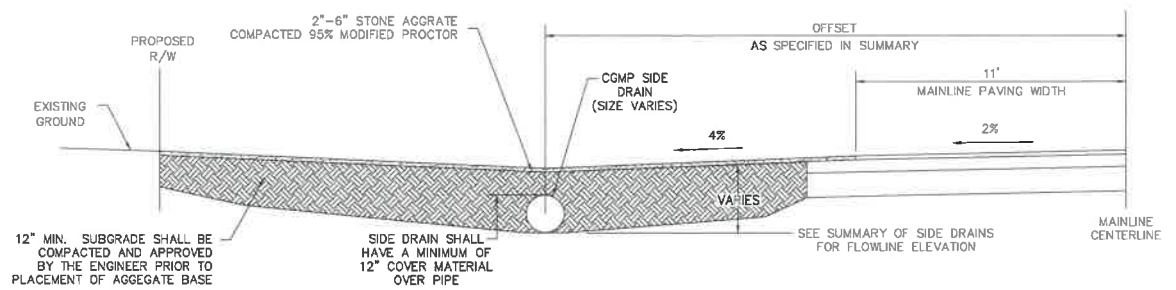
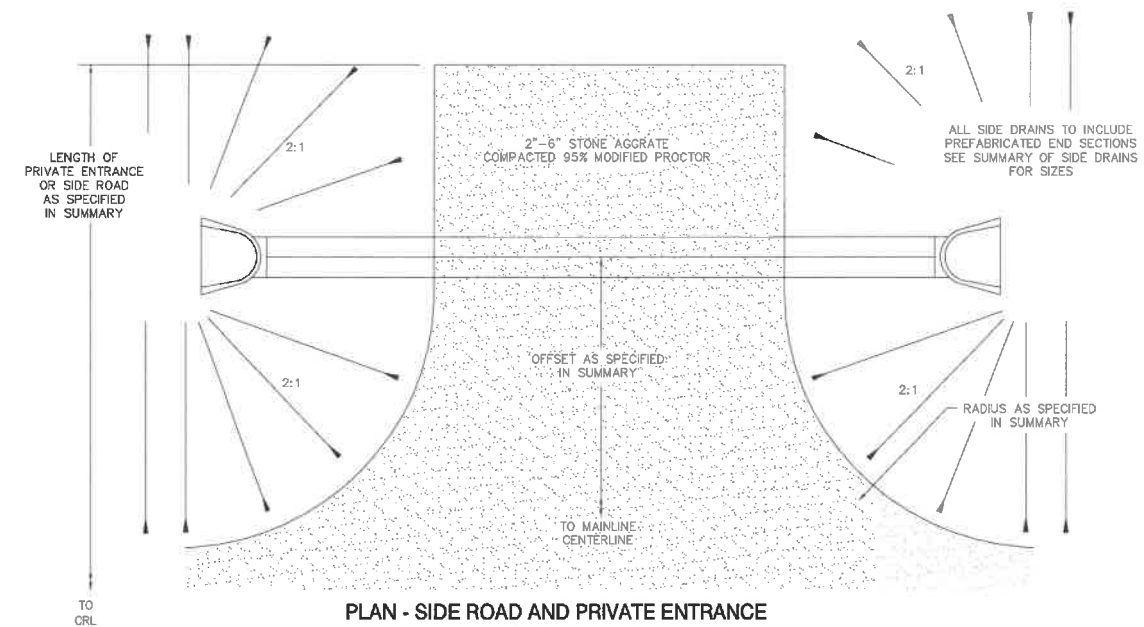
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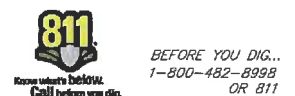
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 Ian McCune
 DRAFTING SERVICES
 695 CROSSLANES RD. QUINCY, MO 64681
 OFFICE 513-888-1335 • MOBILE 513-287-7113
 EMAIL: imccune@iandesign.com

E WALLIN MNT ROAD PHASE 1
 QUANTITIES SHEET
 E WALLIN MNT ROAD
 DATE: 11/29/19
 CHECK BY: WCRD
 DESIGN BY: IPM
 SHEET 5 OF 21

DRIVES SUMMARY								
STATION	LEFT/RIGHT	RADIUS	LENGTH	WIDTH	SIDE DRAIN NUMBER	SIDE DRAIN OFFSET FROM CENTERLINE		
						LEFT	RIGHT	
0+53	RIGHT	10.00	12.00	20.00	SD01RT		18.00	
3+44	LEFT	10.00	12.00	20.00	SD02RT	18.00		
4+62	LEFT	30.00	12.00	30.00	SD01LT	18.00		
7+10	LEFT	10.00	12.00	20.00	SD02LT	18.00		
8+32	LEFT	10.00	12.00	20.00	SD03LT	18.00		
10+60	LEFT	10.00	12.00	20.00	SD04LT	18.00		
11+83	LEFT	10.00	12.00	20.00	SD03RT	18.00		
14+18	LEFT	10.00	12.00	20.00	SD05LT	18.00		
18+21	LEFT	10.00	12.00	20.00	SD06LT	18.00		
18+51	RIGHT	10.00	12.00	20.00	SD04RT	18.00	18.00	
19+41	LEFT	10.00	12.00	20.00	SD07LT	18.00		
21+71	LEFT	10.00	12.00	20.00	SD08LT	18.00		
25+63	LEFT	10.00	12.00	20.00	SD09LT	18.00		
28+35	LEFT	10.00	12.00	20.00	SD10LT	18.00		
29+38	RIGHT	10.00	12.00	20.00	SD05RT		18.00	
36+46	RIGHT	10.00	12.00	20.00	SD06RT		18.00	
48+14	RIGHT	10.00	12.00	20.00	SD07RT		18.00	
48+42	RIGHT	10.00	12.00	20.00	SD08RT		18.00	
49+22	RIGHT	10.00	12.00	20.00	SD09RT		18.00	
56+11	LEFT	10.00	12.00	20.00	SD11LT	18.00		
61+98	LEFT	10.00	12.00	20.00	SD12LT	18.00		
62+56	LEFT	10.00	12.00	20.00	SD13LT	18.00		
66+69	LEFT	10.00	12.00	20.00	SD14LT	18.00		
71+83	LEFT	10.00	12.00	20.00	SD15LT	18.00		
74+96	RIGHT	10.00	12.00	20.00	SD10RT		18.00	
75+05	LEFT	30.00	12.00	40.00	SD16LT	18.00		
76+64	RIGHT	10.00	12.00	20.00	SD11RT		18.00	
77+94	RIGHT	10.00	12.00	20.00	SD12RT		18.00	
85+36	LEFT	10.00	12.00	20.00	SD17LT	18.00		
91+39	LEFT				SD18LT	18.00		
92+12	RIGHT	10.00	12.00	20.00	SD13RT		18.00	
223 FEET TRACE BRANCH TIE IN								
0+43	LEFT	10.00	12.00	20.00	SD-2 01LT	18.00		
0+58	RIGHT	10.00	12.00	20.00	SD-2 01RT		18.00	



GENERAL NOTES:
 ALL MATERIALS AND WORKMANSHIP SHALL BE DONE IN ACCORDANCE OF ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.



PRIOR TO PERFORMING ANY GRADING OR EXCAVATING WORK THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND ARKANSAS ONE-CALL NOT LESS THAN 48 HOURS IN ADVANCE AND SHALL VERIFY OR ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND LINES.

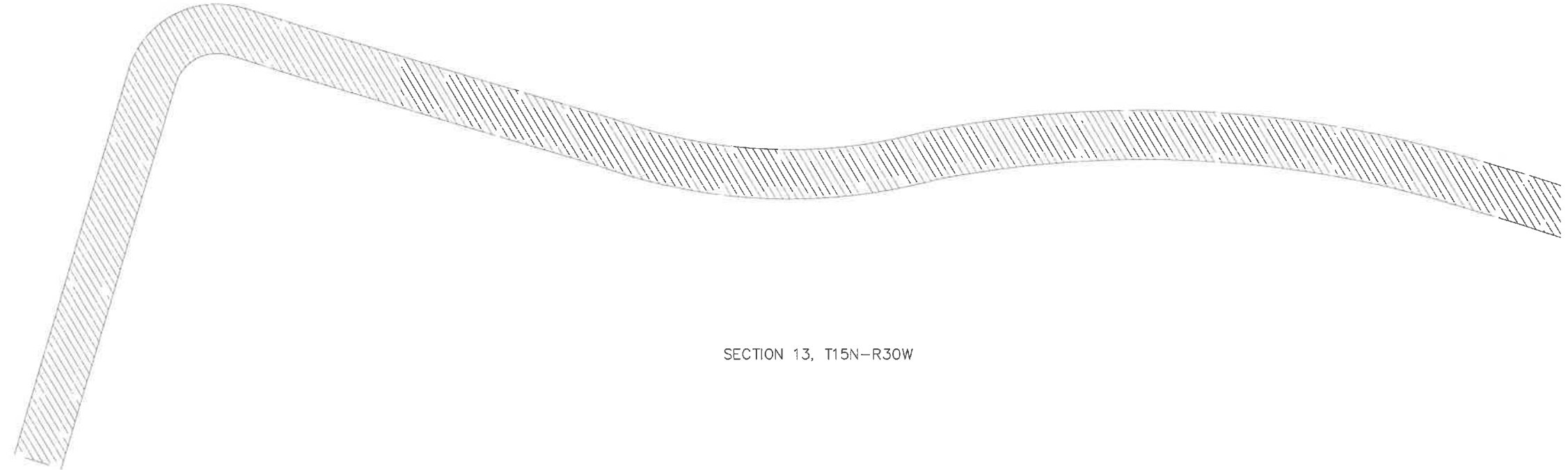
E WALLIN MNT ROAD PHASE 1
 DRIVES TYPICAL AND SUMMARY

E WALLIN MNT ROAD

Ian McCune
 DRAFTING SERVICES
 655 CROSSLANE RD. QUINCY, OK 74561
 OFFICE 581-494-1335 • MOBILE 581-287-7113
 EMAIL: IAN@IANMCCUNE.COM

WASHINGTON COUNTY ROAD DEPARTMENT
 2615 S. BRINK DRIVE FAYETTEVILLE, ARKANSAS



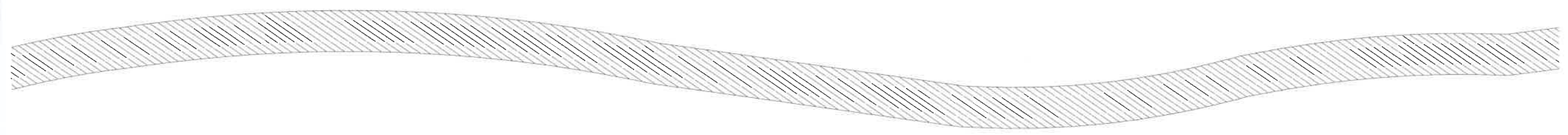


SCALE 1"=60'

SECTION 13, T15N-R30W

E WALLIN MINT ROAD
CLEARING AND GRUBBING
SHEET 1 OF 3

DESIGN BY: IPM | CHECK BY: WCRD | DATE: 11/29/19 | SHEET 7 OF 21



SCALE 1"=60'

SECTION 13, T15N-R30W

SECTION 24, T15N-R30W

E WALLIN MINT
ROAD

Ian McCune
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EMAIL: IAN.MCCUNE@GMAIL.COM

WASHINGTON COUNTY ROAD DEPARTMENT
2615 S. BRINK DRIVE FAYETTEVILLE, ARKANSAS



 CLEARING AND GRUBBING AREA

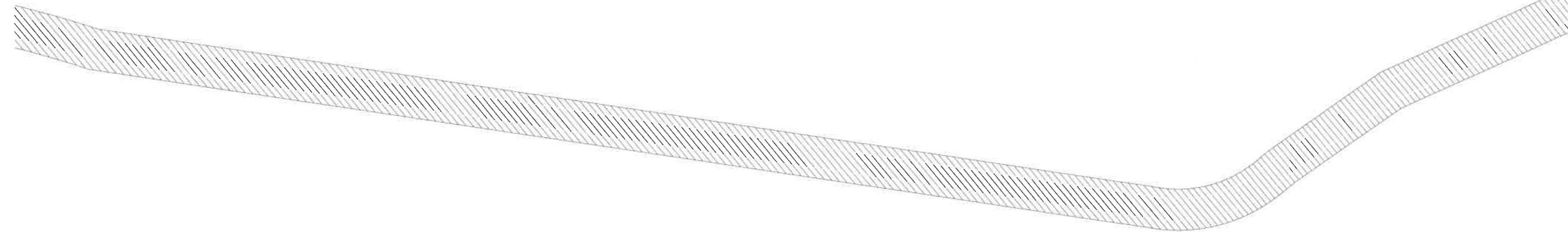
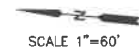
NOTES:
CLEARING AND GRUBBING WILL BE 25 FOOT EITHER SIDE OF THE
EXISTING CENTERLINE TO NEW RIGHT OF WAY LINE.
MULCH WILL BE PLACED FROM NEW EDGE OF ROAD TO THE
RIGHT OF WAY LINE.



BEFORE YOU DIG...
1-800-482-8999

PRIOR TO PERFORMING ANY GRADING OR EXCAVATING WORK
THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND
ARKANSAS ONE-CALL, NOT LESS THAN 48
HOURS IN ADVANCE AND SHALL VERIFY OR ESTABLISH THE
EXACT LOCATION AND DEPTH OF ALL UNDERGROUND LINES.

SECTION 24, T15N-R30W



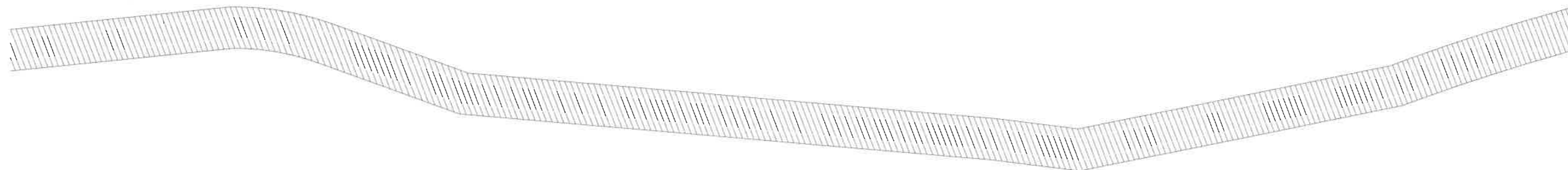
E WALLIN MNT ROAD
CLEARING AND GRUBBING
SHEET 2 OF 3

DESIGN BY: IPM CHECK BY: WCRD DATE: 11/29/19 SHEET 8 OF 21

E WALLIN MNT
ROAD

Ian McCune
DRAFTING SERVICES
602 S. CHARLES ST. SUITE 100, ST. LOUIS, MO 63101
OFFICE 314-469-3335 MOBILE 314-237-2333
EMAIL IAN.MCCUNE@GMAIL.COM

SECTION 24, T15N-R30W



 CLEARING AND GRUBBING AREA

NOTES:
CLEARING AND GRUBBING WILL BE 25 FOOT EITHER SIDE OF THE
EXISTING CENTERLINE TO NEW RIGHT OF WAY LINE.

MULCH WILL BE PLACED FROM NEW EDGE OF ROAD TO THE
RIGHT OF WAY LINE.

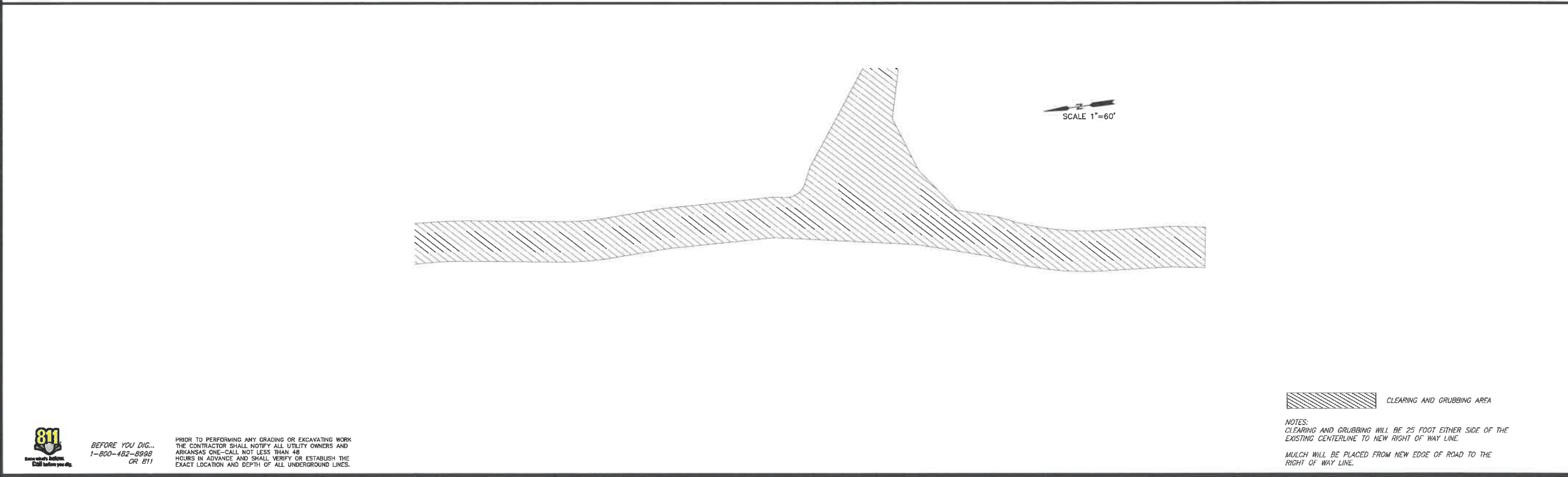
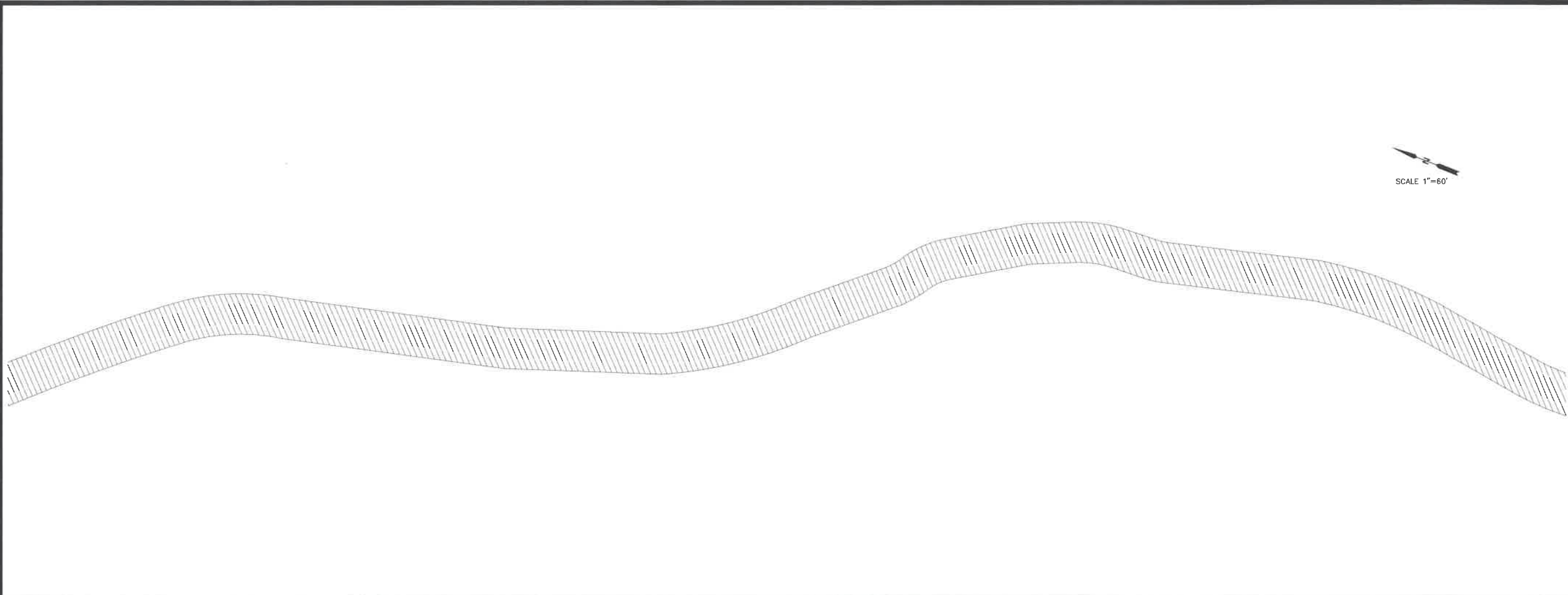


BEFORE YOU DIG...
1-800-482-8999
OR 811

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WASHINGTON COUNTY ROAD DEPARTMENT
2615 S. BRINK DRIVE FAYETTEVILLE, ARKANSAS





 CLEARING AND GRUBBING AREA

NOTES:
 CLEARING AND GRUBBING WILL BE 25 FOOT EITHER SIDE OF THE EXISTING CENTERLINE TO NEW RIGHT OF WAY LINE.
 MULCH WILL BE PLACED FROM NEW EDGE OF ROAD TO THE RIGHT OF WAY LINE.

811
 BEFORE YOU DIG...
 1-800-482-8999
 OR 811

PRIOR TO PERFORMING ANY GRADING OR EXCAVATING WORK THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND ARKANSAS ONE-CALL NOT LESS THAN 48 HOURS IN ADVANCE AND SHALL VERIFY OR ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND LINES.

WASHINGTON COUNTY ROAD DEPARTMENT
 2615 S. BRINK DRIVE FAYETTEVILLE, ARKANSAS



Ian McCune
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 EMAIL IAN.MCCUNE@GMAIL.COM

E WALLIN MNT ROAD

E WALLIN MNT ROAD
 CLEARING AND GRUBBING
 SHEET 3 OF 3

DESIGN BY: IPM | CHECK BY: WCRD | DATE: 11/29/19 | SHEET 9 OF 21

STORM WATER MANAGEMENT PLAN

SITE DESCRIPTION

PROJECT LIMITS:

BEGINNING AT A POINT APPROXIMATELY 3 MILES EAST OF THE INTERSECTION OF E WALLIN MNT ROAD AND US HWY 71, THEN IN A SOUTHERLY DIRECTION APPROXIMATELY 1.8 MILES TO A POINT ON THE EXISTING E WALLIN MNT ROAD, IN SECTIONS 13, 24 & 25, T15N-R30W, WASHINGTON COUNTY ARKANSAS.

LATITUDE AND LONGITUDE:

START STA. 0+00 LATITUDE 35°58'29.29"N LONGITUDE 94°07'2.95"W
 END STA. 96+25 LATITUDE 35°57'05.67"N LONGITUDE 94°06'40.77"W

PROJECT DESCRIPTION:

GRADING, DRAINAGE AND SURFACING A 28 FT WIDE ROADWAY WITH 2 FT WIDE SHOULDERS AND 2 FT DITCH, WITH BOX CULVERTS, AND RCP DRAINS FOR ALL DITCHES.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

1. INSTALL TRAFFIC CONTROL
2. CLEAR, GRUB AND STOCKPILE TOPSOIL
3. BEGIN FENCING, INSTALLATION OF STRUCTURES AND GRADING
4. INSTALL SEDIMENT CONTROLS AS AREAS BECOME DISTURBED
5. COMPLETE ROADWAY GRADING
6. INSTALL VEGETATIVE MULCHING
7. CONSTRUCT BASE AND PAVING
8. COMPLETE FINE GRADING AND INSTALL PERMANENT EROSION CONTROL

NOTE: THIS SHOULD INCLUDE MAJOR ACTIVITIES REQUIRED TO CONSTRUCT THE PROJECT & EROSION CONTROL ITEMS.

TOTAL AREA TO BE DISTURBED:

498,164 SF or 11.4 ACRES

WEIGHTED RUNOFF COEFFICIENT:

BEFORE CONSTRUCTION: 0.45
 AFTER CONSTRUCTION: 0.45

NOTE: THIS SHOULD BE DETERMINED BY THE HYDRAULIC DESIGNER FOR THE PROJECT. THIS VALUE SHOULD BE THE AVERAGE "C" FACTOR USED ON THE PROJECT. IT SHOULD BE BASED ON THE ANTICIPATED FUTURE LAND USE.

NAME OF RECEIVING WATERS:

MIDDLE FORK WHITE RIVER/E WALLIN MNT CREEK/UNIDENTIFIED WATER

NOTE: THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE CHARACTERISTICS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT SODDING, SPRIGGING OR SEEDING
- VEGETATIVE MULCHING
- SOIL RETENTION BLANKET
- PRESERVATION OF EXISTING VEGETATION

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONST. ACTIVITIES HAVE CEASED FOR OVER 21 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:

- TEMPORARY BRUSH SEDIMENT BARRIERS
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKES
- TEMPORARY BALE BARRIERS
- DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- SANDBAG BERMS
- ROCK FILTER DAMS (CHECK DAM)
- TEMPORARY SLOPE DRAIN
- PAVED DITCH W/ DITCH LINER PROTECTION
- TEMPORARY DIVERSION CHANNELS
- RIP RAP
- TEMPORARY STREAM CROSSINGS
- TEMPORARY SEDIMENT BASINS
- TEMPORARY SEDIMENT TRAPS
- TEMPORARY SEDIMENT FILTERS
- TEMPORARY SEDIMENT REMOVAL
- INLET SEDIMENT FILTER
- STABILIZED CONSTRUCTION ENTRANCE

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
- EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

CONTRACTOR SHALL REMOVE ALL TEMPORARY SEDIMENTATION CONTROL DEVICES FROM PROJECT LIMITS AFTER CONSTRUCTION IS COMPLETED.
 CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EROSION CONTROL DEVICES.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES (AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE). POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

WASTE MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.

HAZARDOUS MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

GENERAL NOTES:

THE ENCLOSED STORMWATER POLLUTION PREVENTION PLAN (SWP3) COMPLIES WITH ORDERS REGULATIONS UNDER THE WASHINGTON COUNTY STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES ON LAND OWNED BY THE CITY TO ACTIVITIES THAT ARE DIRECTLY CONTROLLED BY THE COUNTY.

GENERAL NOTES:

ALL MATERIALS AND WORKMANSHIP SHALL BE DONE IN ACCORDANCE OF ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.



BEFORE YOU DIG...
 1-800-482-8998
 OR 811

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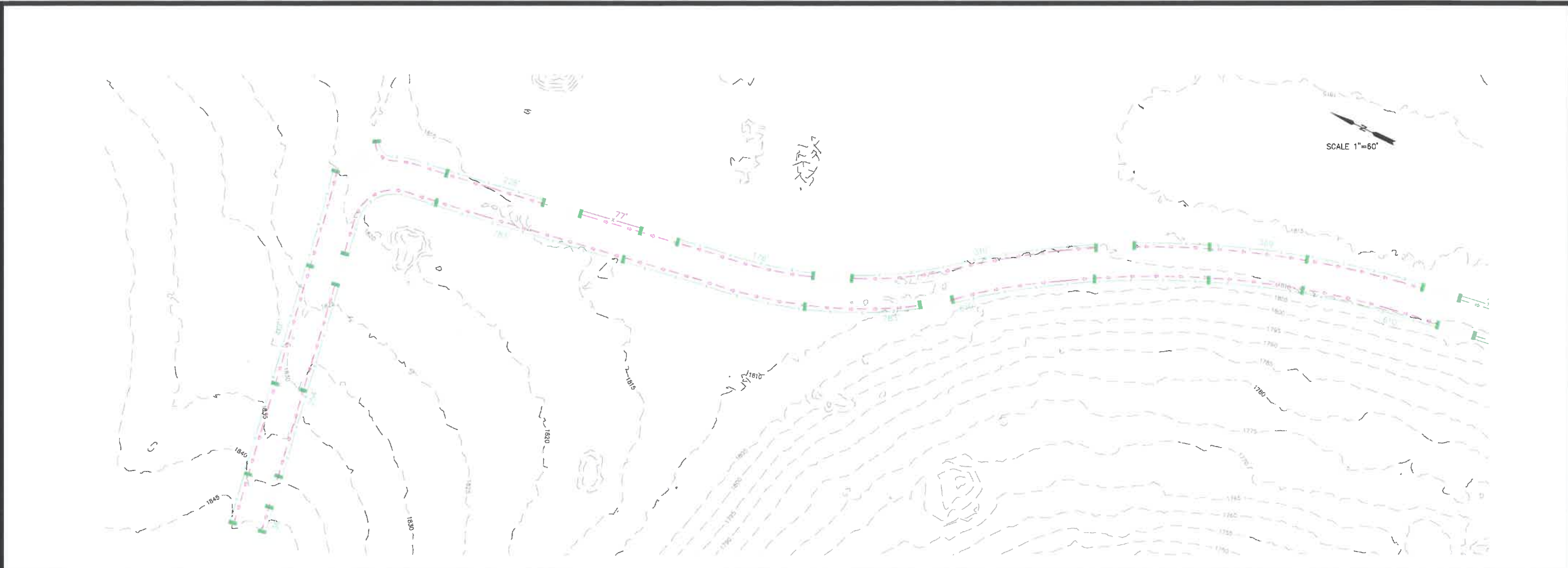
E WALLIN MNT ROAD PHASE 1
 STORM WATER MANAGEMENT PLAN

E WALLIN MNT
 ROAD

Ian McCune
 DRAINAGE SERVICES
 655 CROSSANES RD. QUINCY, MO 64681
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 EMAIL: IAN@IANMCCUNE.COM

WASHINGTON COUNTY ROAD DEPARTMENT
 2615 S. BRINK DRIVE FAYETTEVILLE, ARKANSAS





E WALLIN MNT ROAD
 EROSION CONTROL
 SHEET 1 OF 3
 DESIGN BY: IPM CHECK BY: WCRD DATE: 11/29/19 SHEET 11 OF 21

E WALLIN MNT
 ROAD

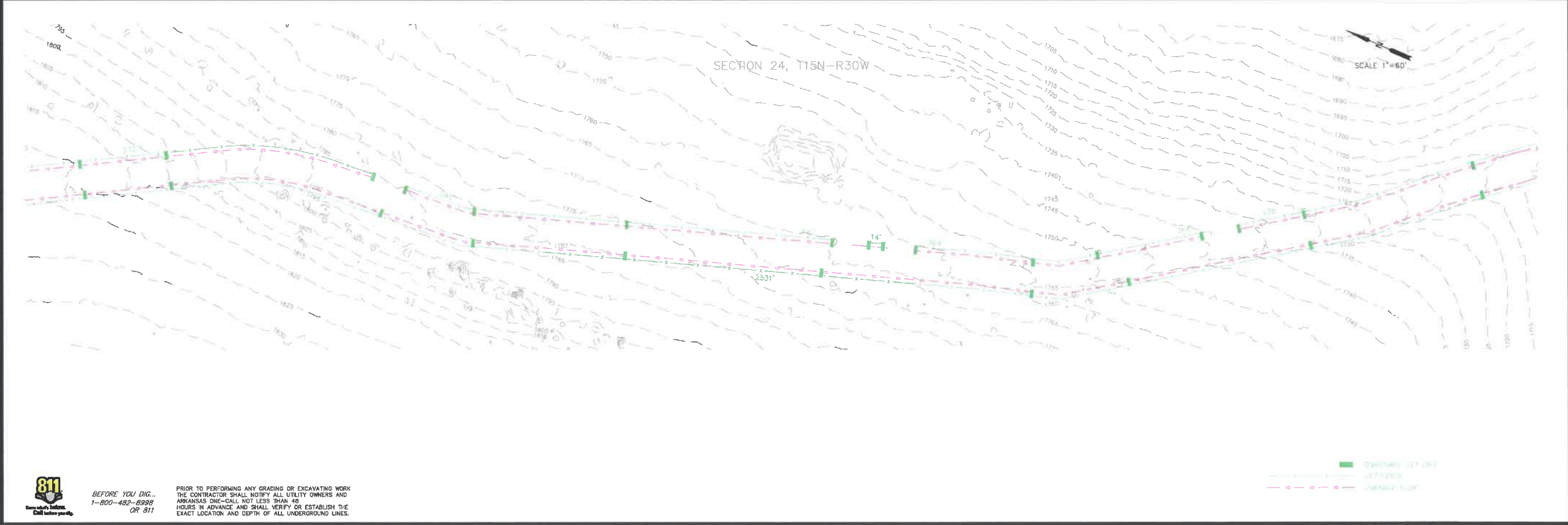
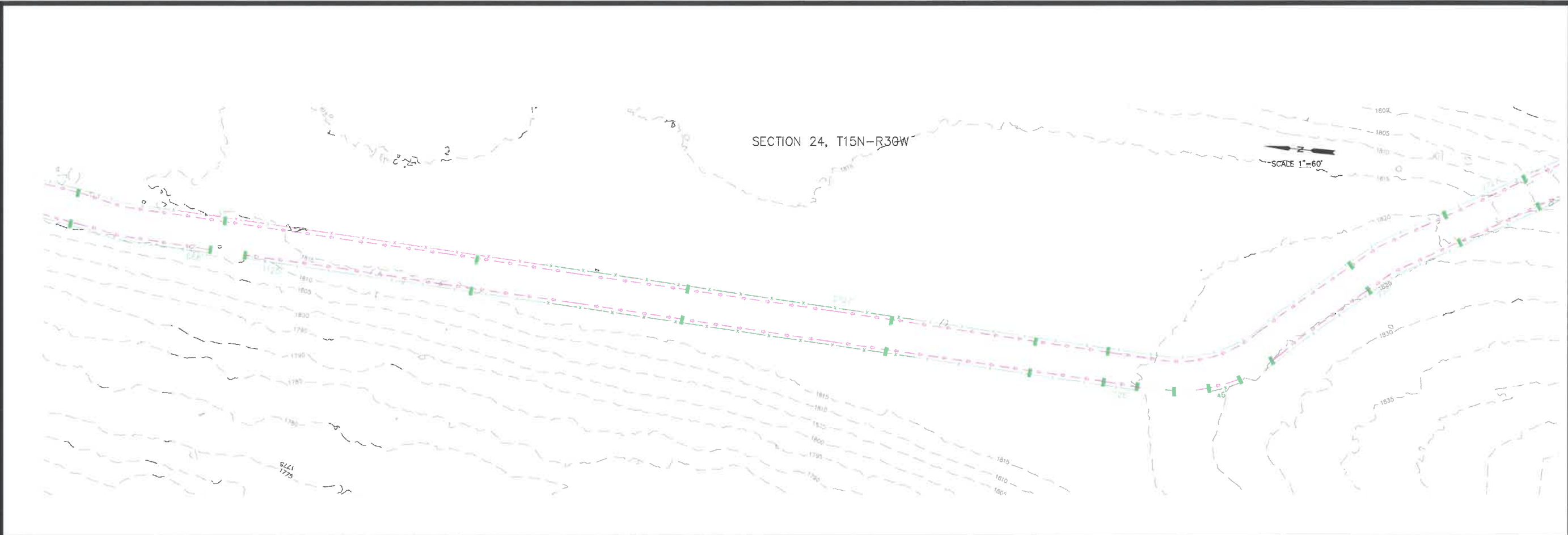
Ian McCune
 DRAFTING SERVICES
 685 CROSSLANE RD. QUINCY, OK 74883
 OFFICE: 405.223.4444
 EMAIL: IAN.MCCUNE@GMAIL.COM

WASHINGTON COUNTY ROAD DEPARTMENT
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 1-800-482-8999

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OR 811

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— PROPOSED 12 FT. WIDE
- - - PROPOSED 14 FT. WIDE
- - - PROPOSED 16 FT. WIDE

E WALLIN MNT ROAD
EROSION CONTROL
SHEET 2 OF 3

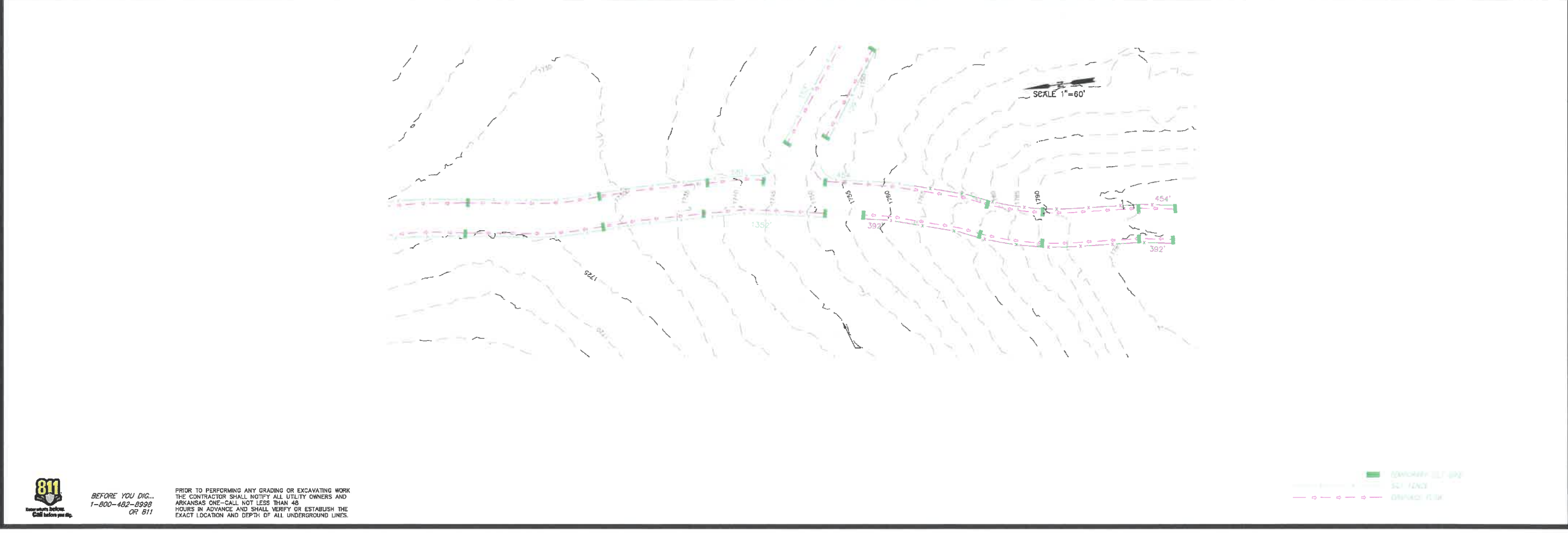
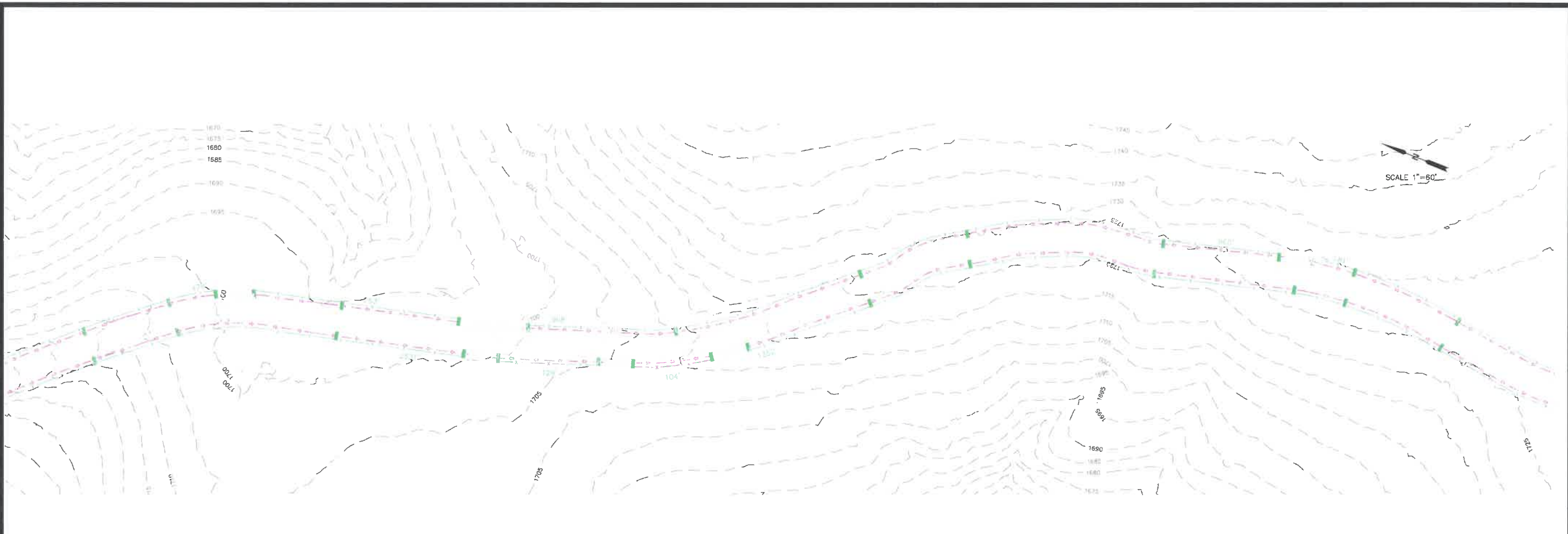
E WALLIN MNT
ROAD

Ian McCune
DRAFTING SERVICES
616 CROSSLANES RD. COLUMBIA, MO 65201
OFFICE: 636-721-1213
CELL: 636-721-1213
EMAIL: IAN.MCCUNE@GMAIL.COM

WASHINGTON COUNTY ROAD DEPARTMENT
2615 S. BRINK DRIVE FAYETTEVILLE, ARKANSAS



DESIGN BY: IPM | CHECK BY: WCRD | DATE: 11/29/19 | SHEET 12 OF 21



BEFORE YOU DIG...
 1-800-482-8999
 OR 811

PRIOR TO PERFORMING ANY GRADING OR EXCAVATING WORK THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND ARKANSAS ONE-CALL, NOT LESS THAN 48 HOURS IN ADVANCE AND SHALL VERIFY OR ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND LINES.

 PROPOSED CURB LINE
 PROPOSED ROAD
 EXISTING ROAD



WASHINGTON COUNTY ROAD DEPARTMENT
 2615 S. BRINK DRIVE FAYETTEVILLE, ARKANSAS

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 6916 CROSSLANE RD. SUITE 1010 W. FAYETTEVILLE, AR 72715
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 EMAIL: IAN.MCCUNE@GMAIL.COM

E WALLIN MNT ROAD

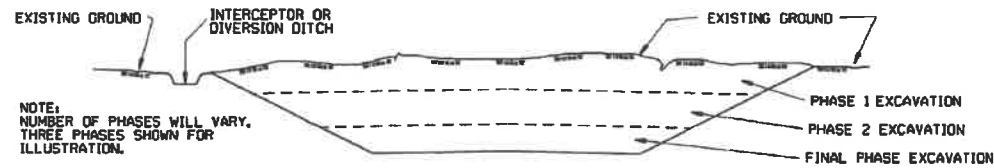
E WALLIN MNT ROAD
 EROSION CONTROL
 SHEET 3 OF 3

DESIGN BY: IPM | CHECK BY: WCRD | DATE: 11/29/19 | SHEET 13 OF 21

CLEARING AND GRUBBING

- CONSTRUCTION SEQUENCE**
1. PLACE PERIMETER CONTROLS (I.E. SILT FENCES, DIVERSION DITCHES, SEDIMENT BASINS, ETC.)
 2. PERFORM CLEARING AND GRUBBING OPERATION.

EXCAVATION



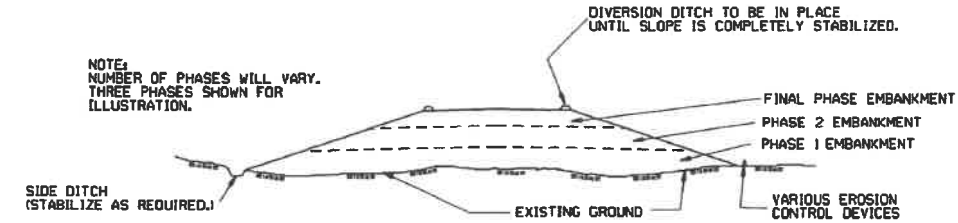
NOTE:
NUMBER OF PHASES WILL VARY.
THREE PHASES SHOWN FOR ILLUSTRATION.

GENERAL NOTE

ALL CUT SLOPES SHALL BE DRESSED, PREPARED, SEEDED, AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE EXCAVATED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 25 FEET, MEASURED VERTICALLY.

- CONSTRUCTION SEQUENCE**
1. EXCAVATE AND STABILIZE INTERCEPTOR AND/OR DIVERSION DITCHES.
 2. PERFORM PHASE 1 EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING.
 3. PERFORM PHASE 2 EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING.
 4. PERFORM FINAL PHASE OF EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING. STABILIZE DITCHES. CONSTRUCT DITCH CHECKS, DIVERSION DITCHES, SEDIMENT BASINS, OR OTHER EROSION CONTROL DEVICES AS REQUIRED.

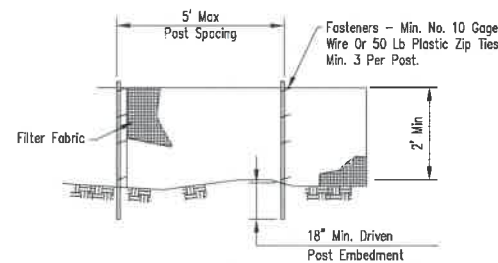
EMBANKMENT



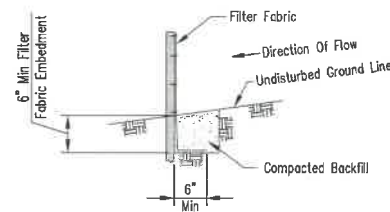
GENERAL NOTE

ALL EMBANKMENT SLOPES SHALL BE DRESSED, PREPARED, SEEDED, AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE CONSTRUCTED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 25 FEET, MEASURED VERTICALLY.

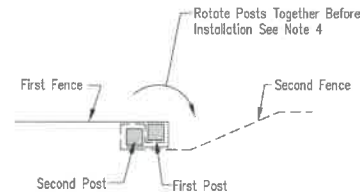
- CONSTRUCTION SEQUENCE**
1. CONSTRUCT DIVERSION DITCHES, DITCH CHECKS, SEDIMENT BASINS, SILT FENCES, OR OTHER EROSION CONTROL DEVICES AS SPECIFIED.
 2. PLACE PHASE 1 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS.
 3. PLACE PHASE 2 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS.
 4. PLACE FINAL PHASE OF EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PLACE DIVERSION DITCHES AND SLOPE DRAINS AND MAINTAIN UNTIL ENTIRE SLOPE IS STABILIZED.



ELEVATION
NTS



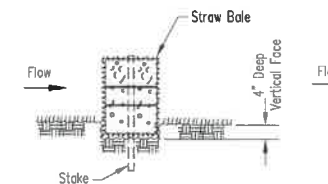
FABRIC ANCHOR DETAIL
NTS



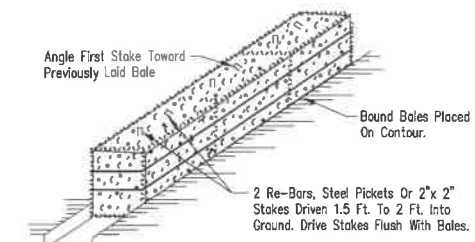
SPLICE DETAIL-PLAN VIEW
NTS

- NOTES:**
1. Temporary silt fence shall be installed prior to any grading work in the area to be protected. Fence shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class 1 with equivalent opening size of at least 30 for nonwoven and 50 for woven.
 3. Fence posts shall be either wood post with a minimum cross-sectional area of 1.5" X 1.5" or a standard steel post.
 4. When splices are necessary make splice at post according to splice detail. Place the end post of the second fence inside the end post of the first fence. Rotate both posts together at least 180 degrees to create a tight seal with the fabric material. Cut the fabric near the bottom of the posts to accommodate the 6 inch flap. Then drive both posts and bury the flap. Compact backfill well.

SILT FENCE AND TEMP. SILT DIKE INSTALLATION



BEDDING DETAIL
NTS



ANCHORING DETAIL
NTS

- NOTES:**
1. Bales shall be placed at the top of slope or on the contour and in a row with ends lightly abutting the adjacent bales.
 2. Each bale shall be embedded in the soil a minimum of 4", and placed so that bindings are horizontal.
 3. Bales shall be securely anchored in place by either two stakes or re-bars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
 4. Inspection shall be frequent and repair replacement shall be made promptly as needed.
 5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

GENERAL NOTES:

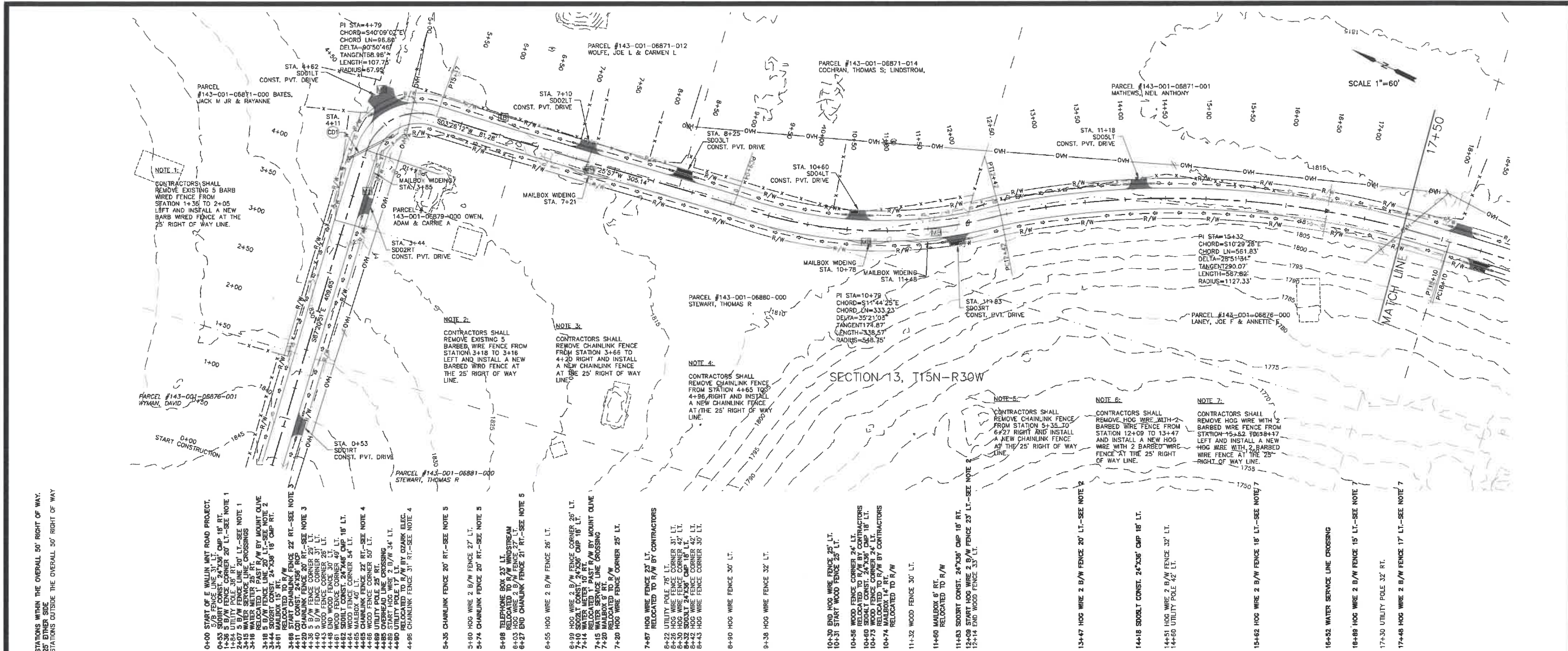
ALL MATERIALS AND WORKMANSHIP SHALL BE DONE IN ACCORDANCE OF ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.



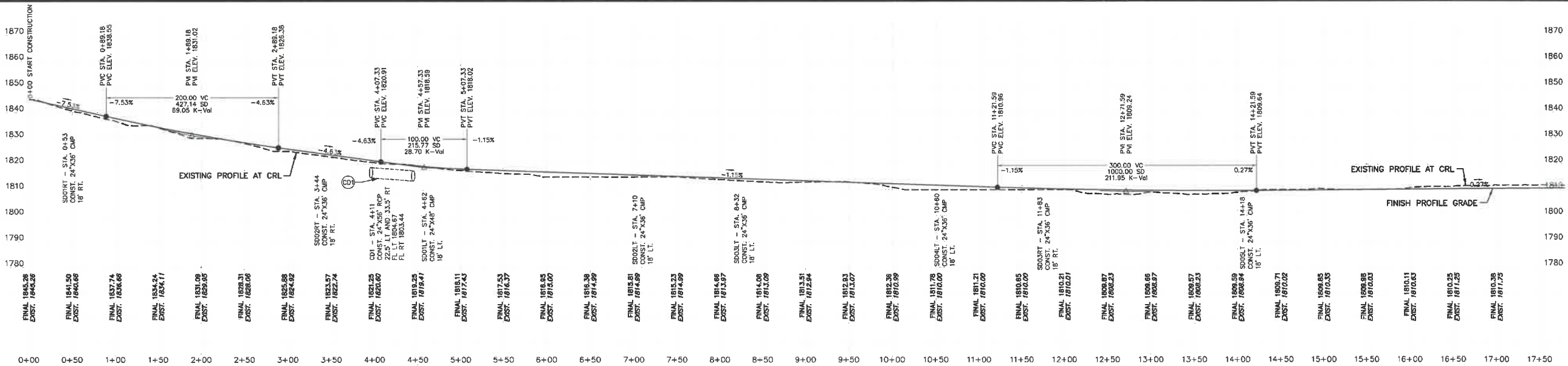
BEFORE YOU DIG...
1-800-482-8998
OR 811

PRIOR TO PERFORMING ANY GRADING OR EXCAVATING WORK THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND ARKANSAS ONE-CALL NOT LESS THAN 48 HOURS IN ADVANCE AND SHALL VERIFY OR ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND LINES.





STATIONS WITHIN THE OVERALL 50' RIGHT OF WAY.
25' EITHER SIDE.
STATIONS OUTSIDE THE OVERALL 50' RIGHT OF WAY.



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OR 811

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PROFILE SCALE
HOR. 1"=60'
VERT. 1"=20'

E WALLIN MNT ROAD
PLAN AND PROFILE
SHEET 1 OF 6

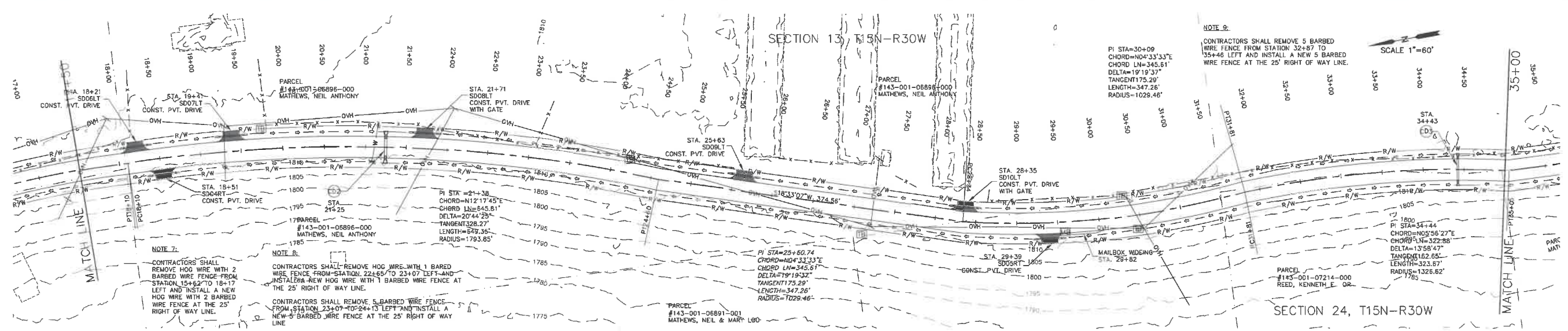
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Ian McCune
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656 CROSSLAKE RD. QUINCY, MO 64681
PH: 660-222-1111
EMAIL: IAN.MCCUNE@GMAIL.COM

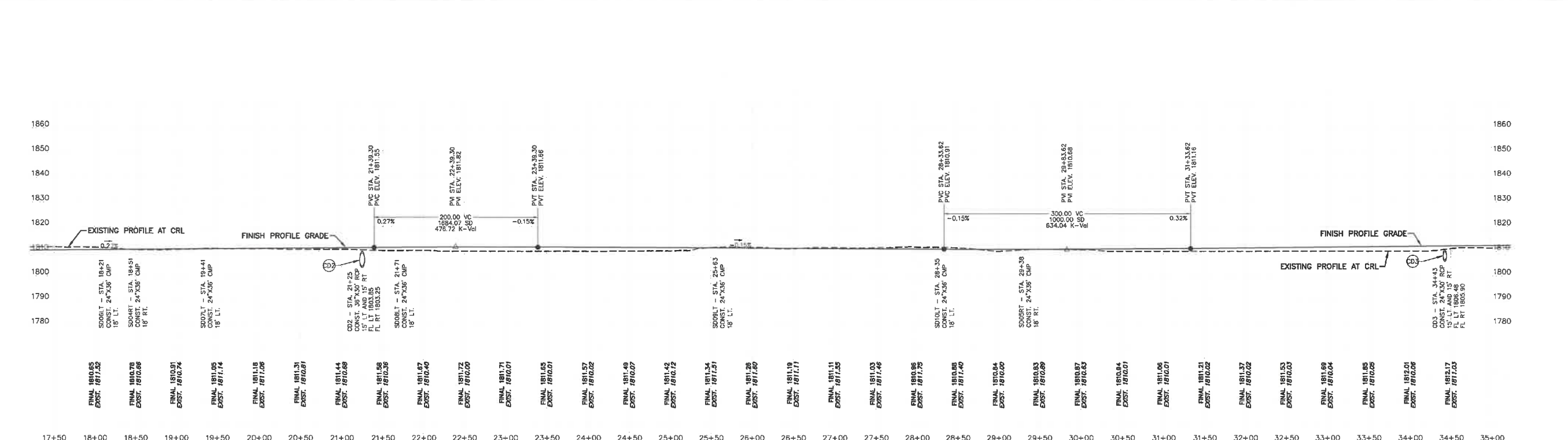
WASHINGTON COUNTY ROAD DEPARTMENT
2615 S. BRINK DRIVE FAYETTEVILLE,
ARKANSAS



DESIGN BY: IPM
CHECK BY: WCR
DATE: 11/29/19
SHEET 15 OF 21



- STATIONS WITHIN THE OVERALL 50' RIGHT OF WAY.
STATIONS OUTSIDE THE OVERALL 50' RIGHT OF WAY
- 17+53 OVERHEAD LINE CROSSING
 - 17+81 UTILITY POLE 58' LT.
 - 18+17 END HOG WIRE 2 B/W FENCE 31' LT.-SEE NOTE 7
 - 18+21 SDOBLT CONST. 24'x36' CMP 18' LT.
 - 18+51 SDOART CONST. 24'x36' CMP 18' RT.
 - 18+29 UTILITY POLE 18' RT.
 - 18+30 OVERHEAD LINE CROSSING
 - 18+41 SDOBLT CONST. 24'x36' CMP 18' LT.
 - 18+44 SDOBLT CONST. 24'x36' CMP 18' LT.
 - 18+75 TELEPHONE BOX 25' LT.
 - 19+87 START HOG WIRE 1 B/W FENCE 29' LT.
 - 20+85 HOG WIRE 1 B/W FENCE 30' LT.
 - 21+08 WATER METER 18' RT.
 - 21+11 WATER SERVICE LINE CROSSING
 - 21+25 CD3 CONST. 36'x30' ROP
 - 21+40 GATE CORNER 29' LT.
 - 21+71 SDOBLT CONST. 24'x36' CMP 18' LT.
 - 21+82 OVERHEAD LINE CROSSING
 - 21+83 GATE CORNER (6' WOOD) 24' LT.
 - 22+06 UTILITY POLE 51' LT.
 - 22+65 HOG WIRE 1 B/W FENCE 17' LT.-SEE NOTE 8
 - 23+07 END HOG WIRE 1 B/W FENCE 15' LT.-SEE NOTE 8
 - 23+19 START HOG WIRE 19' LT.-SEE NOTE 8
 - 24+13 S B/W FENCE 21' LT.-SEE NOTE 8
 - 24+21 TELEPHONE BOX 16' LT.
 - 24+25 BELLOTTED TO R/W BY WINDSTREAM
 - 24+26 RELOCATED TO R/W BY OZARK ELEC.
 - 25+49 END S B/W FENCE 26' LT.
 - 25+63 SDOBLT CONST. 24'x36' CMP 18' LT.
 - 25+70 OVERHEAD LINE CROSSING
 - 26+02 FENCE CORNER AT CHICKEN HOUSE 45' LT.
 - 26+80 FENCE CORNER 49' LT.
 - 27+14 TELEPHONE BOX 37' RT.
 - 27+23 OVERHEAD LINE CROSSING
 - 27+22 UTILITY POLE 62' LT.
 - 27+45 FENCE CORNER 44' LT.
 - 27+72 FENCE CORNER 33' LT.
 - 28+35 SDOBLT CONST. 24'x36' CMP 18' LT.
 - 28+64 GATE POST 28' LT.
 - 28+65 GATE POST 40' LT.
 - 28+39 SDOART CONST. 24'x36' CMP 18' RT.
 - 28+45 MAILBOX 17 RT.
 - 28+45 RELOCATED TO R/W
 - 30+13 S B/W FENCE 27' LT.
 - 30+14 S B/W FENCE 26' LT.
 - 30+36 UTILITY POLE 24' LT.
 - 30+45 RELOCATED TO R/W BY OZARK ELEC.
 - 30+46 OVERHEAD LINE CROSSING
 - 30+50 RELOCATED TO R/W BY WINDSTREAM
 - 30+76 RELOCATED TO R/W BY OZARK ELEC.
 - 31+83 S B/W FENCE 25' LT.
 - 32+87 S B/W FENCE 21' LT.-SEE NOTE 9
 - 34+08 S B/W FENCE 15' LT.-SEE NOTE 9
 - 34+43 CD3 CONST. 24'x30' ROP



FINAL 1810.85
EXIST. 1811.32

FINAL 1810.78
EXIST. 1810.66

FINAL 1810.91
EXIST. 1810.74

FINAL 1811.05
EXIST. 1811.14

FINAL 1811.18
EXIST. 1811.06

FINAL 1811.31
EXIST. 1810.81

FINAL 1811.44
EXIST. 1810.86

FINAL 1811.56
EXIST. 1810.36

FINAL 1811.67
EXIST. 1810.40

FINAL 1811.72
EXIST. 1810.00

FINAL 1811.71
EXIST. 1810.01

FINAL 1811.65
EXIST. 1810.01

FINAL 1811.57
EXIST. 1810.02

FINAL 1811.49
EXIST. 1810.07

FINAL 1811.42
EXIST. 1810.12

FINAL 1811.24
EXIST. 1811.21

FINAL 1811.26
EXIST. 1811.26

FINAL 1811.19
EXIST. 1811.11

FINAL 1811.11
EXIST. 1811.35

FINAL 1811.05
EXIST. 1811.46

FINAL 1810.96
EXIST. 1811.75

FINAL 1810.88
EXIST. 1811.40

FINAL 1810.84
EXIST. 1810.00

FINAL 1810.83
EXIST. 1810.89

FINAL 1810.87
EXIST. 1810.84

FINAL 1810.64
EXIST. 1810.01

FINAL 1811.06
EXIST. 1810.01

FINAL 1811.21
EXIST. 1810.02

FINAL 1811.37
EXIST. 1810.02

FINAL 1811.03
EXIST. 1810.00

FINAL 1811.69
EXIST. 1810.04

FINAL 1811.85
EXIST. 1810.09

FINAL 1812.01
EXIST. 1810.06

FINAL 1812.17
EXIST. 1810.00

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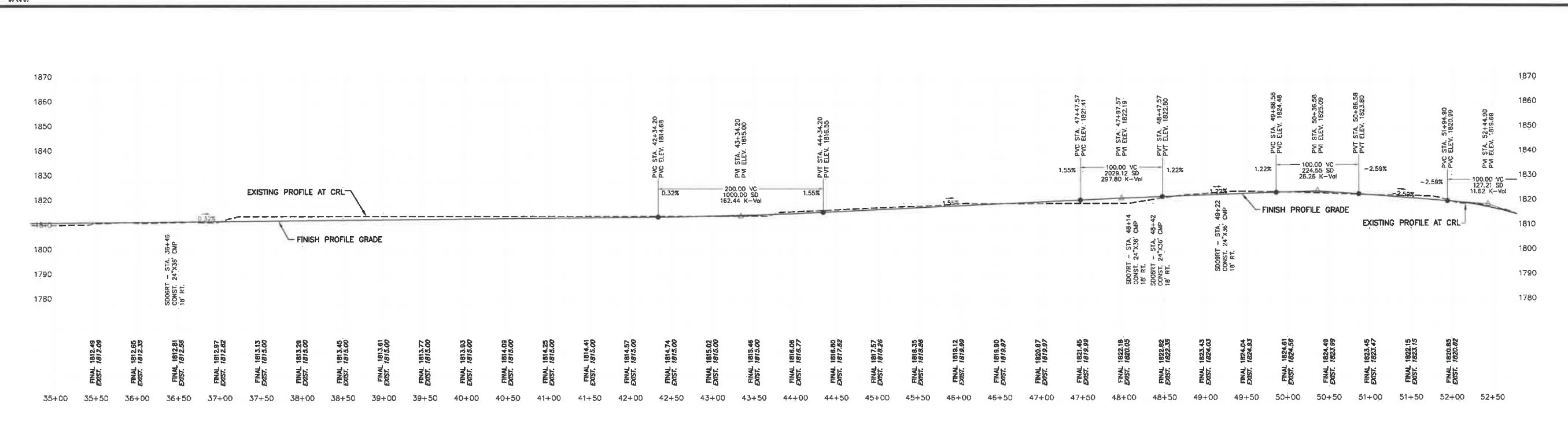
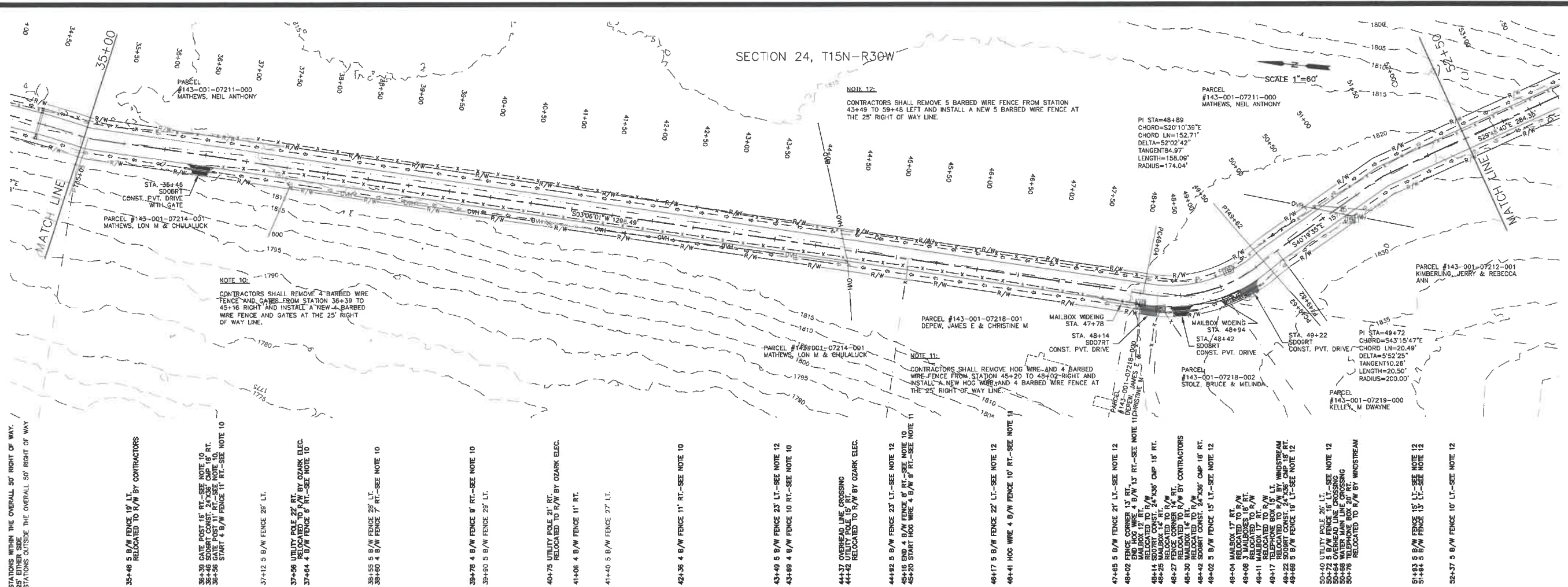
E WALLIN MNT ROAD
PLAN AND PROFILE
SHEET 2 OF 6

E WALLIN MNT
ROAD

WASHINGTON COUNTY ROAD DEPARTMENT
2615 S. BRINK DRIVE FAYETTEVILLE,
ARKANSAS

Ian McCune
DRAFTING SERVICES
685 CROSSLANES RD. QUINCY, MO 64601
OFFICE: 417-235-1113
EMAIL: IAN@MCCUNEDESIGN.COM

DESIGN BY: IPM
CHECK BY: WCRC
DATE: 11/29/19
SHEET 16 OF 21



STATION	FINAL ELEV.	EXIST. ELEV.
35+00	1812.48	1812.09
36+00	1812.95	1812.55
37+00	1812.91	1812.56
38+00	1813.97	1813.62
39+00	1813.13	1813.00
40+00	1813.28	1813.00
41+00	1813.45	1813.00
42+00	1813.81	1813.00
43+00	1813.77	1813.00
44+00	1813.03	1813.00
45+00	1814.09	1813.00
46+00	1814.25	1813.00
47+00	1814.41	1813.00
48+00	1814.57	1813.00
49+00	1814.71	1813.00
50+00	1815.02	1813.00
51+00	1815.46	1813.00
52+00	1816.05	1813.00
53+00	1816.77	1813.00
54+00	1816.88	1813.00
55+00	1817.22	1813.00
56+00	1817.57	1813.00
57+00	1818.35	1813.00
58+00	1818.82	1813.00
59+00	1819.12	1813.00
60+00	1819.89	1813.00
61+00	1820.18	1813.00
62+00	1821.45	1813.00
63+00	1821.85	1813.00
64+00	1822.18	1813.00
65+00	1822.35	1813.00
66+00	1822.43	1813.00
67+00	1822.43	1813.00
68+00	1822.43	1813.00
69+00	1822.43	1813.00
70+00	1822.43	1813.00
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95+00	1822.43	1813.00
96+00	1822.43	1813.00
97+00	1822.43	1813.00
98+00	1822.43	1813.00
99+00	1822.43	1813.00
100+00	1822.43	1813.00

STATIONS WITHIN THE OVERALL 50' RIGHT OF WAY, 25' EITHER SIDE

STATIONS OUTSIDE THE OVERALL 50' RIGHT OF WAY

35+46 5 B/W FENCE 10' LT. RELOCATED TO R/W BY CONTRACTORS

36+39 GATE POLE 15' RT. SEE NOTE 10

36+39 CONSP. PVT. DRIVE WITH GATE

36+39 GATE POST 11' RT. SEE NOTE 10

36+39 GATE POST 11' RT. SEE NOTE 10

36+39 GATE POST 11' RT. SEE NOTE 10

37+12 5 B/W FENCE 20' LT.

37+36 UTILITY POLE 22' RT. RELOCATED TO R/W BY OZARK ELEC.

37+64 4 B/W FENCE 6 RT. SEE NOTE 10

38+55 5 B/W FENCE 25' LT.

38+80 4 B/W FENCE 7 RT. SEE NOTE 10

39+78 4 B/W FENCE 8 RT. SEE NOTE 10

39+80 5 B/W FENCE 20' LT.

40+75 UTILITY POLE 21' RT. RELOCATED TO R/W BY OZARK ELEC.

41+05 4 B/W FENCE 11' RT.

41+40 5 B/W FENCE 27' LT.

42+36 4 B/W FENCE 11' RT. SEE NOTE 10

43+49 5 B/W FENCE 23' LT. SEE NOTE 12

43+89 4 B/W FENCE 10 RT. SEE NOTE 10

44+37 OVERHEAD LINE CROSSING UTILITY POLE 15' RT.

44+42 RELOCATED TO R/W BY OZARK ELEC.

44+82 5 B/W FENCE 23' LT. SEE NOTE 12

45+16 END 4 B/W FENCE 6 RT. SEE NOTE 10

45+20 START HOG WIRE 4 B/W 8 RT. SEE NOTE 11

46+17 5 B/W FENCE 22' LT. SEE NOTE 12

46+41 HOG WIRE 4 B/W FENCE 10' RT. SEE NOTE 11

47+45 5 B/W FENCE 21' LT. SEE NOTE 12

48+02 FENCE CORNER 13' RT. SEE NOTE 12

48+02 FENCE CORNER 13' RT. SEE NOTE 12

48+14 RELOCATED TO R/W BY CONTRACTORS

48+25 WALDOX 14' RT.

48+27 RELOCATED TO R/W BY CONTRACTORS

48+30 WALDOX 14' RT.

48+42 SOBBRT CONST. 24'X36' CMP 18' RT.

49+02 5 B/W FENCE 15' LT. SEE NOTE 12

49+04 WALDOX 17' RT.

49+04 WALDOX 17' RT.

49+08 3 WALDOXES 18' RT.

49+11 WALDOX 17' RT.

49+17 RELOCATED TO R/W BY CONTRACTORS

49+22 SOBBRT CONST. 24'X36' CMP 18' RT.

49+69 5 B/W FENCE 19' LT. SEE NOTE 12

50+40 UTILITY POLE 25' LT. SEE NOTE 12

50+40 UTILITY POLE 25' LT. SEE NOTE 12

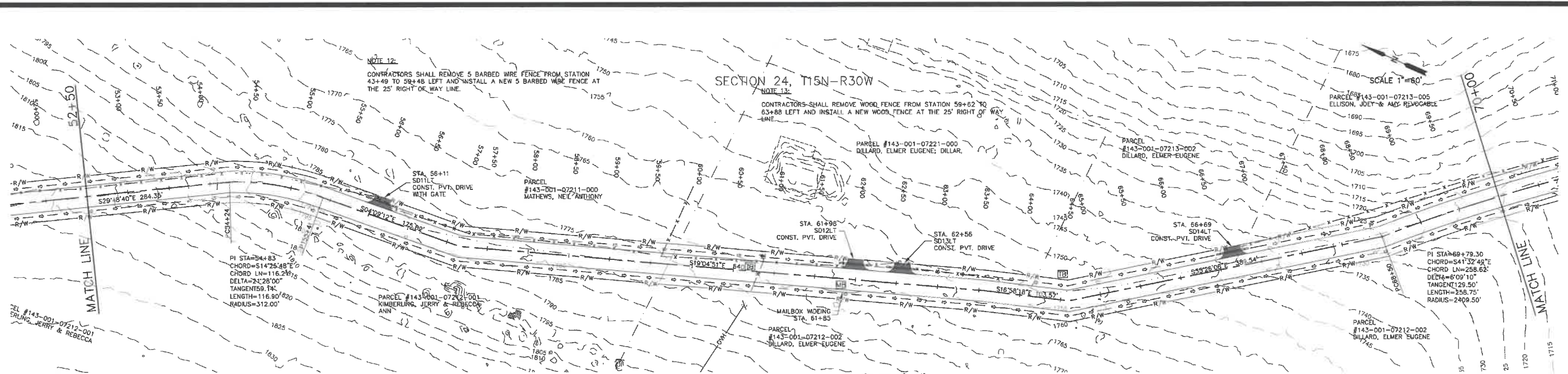
50+44 OVERHEAD LINE CROSSING WATER MAIN LINE CROSSING

50+76 RELOCATED TO R/W BY WINDSTREAM

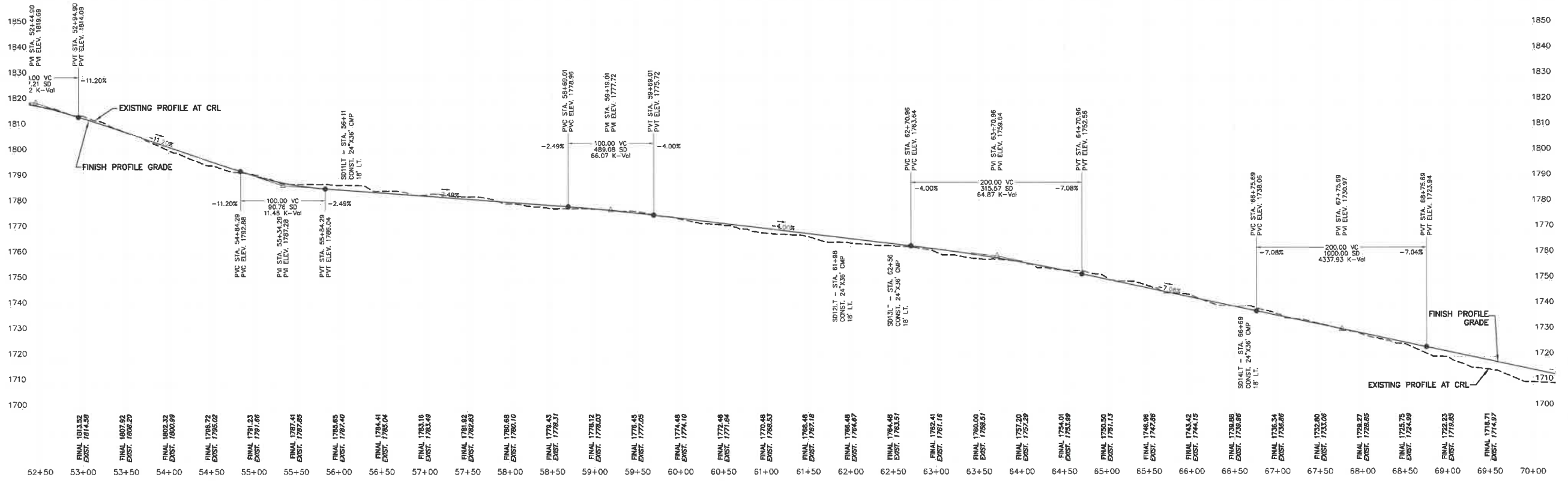
51+83 5 B/W FENCE 15' LT. SEE NOTE 12

51+84 5 B/W FENCE 13' LT. SEE NOTE 12

52+37 5 B/W FENCE 10' LT. SEE NOTE 12



- STATIONS WITHIN THE OVERALL 50' RIGHT OF WAY.
- STATIONS OUTSIDE THE OVERALL 50' RIGHT OF WAY.
- 53+08 5 B/W FENCE 11' LT.-SEE NOTE 12
- 54+07 5 B/W FENCE 11' LT.-SEE NOTE 12
- 55+11 5 B/W FENCE 11' LT.-SEE NOTE 12
- 56+00 GATE POST 22' LT.-SEE NOTE 12
- 56+11 SD1LT CONST. 24"x36" CMP 18' LT.
- 56+17 GATE POST 20' LT.-SEE NOTE 12
- 58+25 5 B/W FENCE 10' LT.-SEE NOTE 12
- 57+28 5 B/W FENCE 16' LT.-SEE NOTE 12
- 58+48 5 B/W FENCE 14' LT.-SEE NOTE 12
- 59+48 END 5 B/W FENCE 11' LT.-SEE NOTE 12
- 59+48 START WOOD FENCE 9' LT.-SEE NOTE 13
- 60+67 UTILITY POLE 42' RT
- 60+70 TELEPHONE POLE 61' LT. RELOCATED TO R/W BY OTHERS
- 60+81 WATER SERVICE LINE CROSSING
- 60+84 WATER METER 20' LT. RELOCATED TO PAST R/W BY MOUNT OLIVE
- 60+84 WATER METER 20' LT. RELOCATED TO PAST R/W BY MOUNT OLIVE
- 61+43 MAILBOX 7' RT
- 61+43 WOOD FENCE CORNER 19' LT.-SEE NOTE 13
- 61+48 WOOD FENCE CORNER 19' LT.-SEE NOTE 13
- 61+88 SD1LT CONST. 24"x36" CMP 18' LT.
- 61+88 WOOD FENCE CORNER 24' LT.-SEE NOTE 13
- 62+12 WOOD FENCE CORNER 24' LT.-SEE NOTE 13
- 62+36 WOOD FENCE CORNER 20' LT.-SEE NOTE 13
- 62+48 WOOD FENCE CORNER 20' LT.-SEE NOTE 13
- 62+65 WOOD FENCE CORNER 20' LT.-SEE NOTE 13
- 62+65 WOOD FENCE CORNER 20' LT.-SEE NOTE 13
- 63+88 END WOOD FENCE 16' LT.-SEE NOTE 13
- 64+19 TELEPHONE BOX 32' LT.
- 66+69 SD1LT CONST. 24"x36" CMP 18' LT.
- 66+78 SD1LT CONST. 24"x36" CMP 18' LT. RELOCATED TO R/W BY CONTRACTORS
- 68+28 HOE WIRE 2 B/W FENCE 33' LT.
- 68+71 HOE WIRE 2 B/W FENCE 30' LT.



811
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PROFILE SCALE
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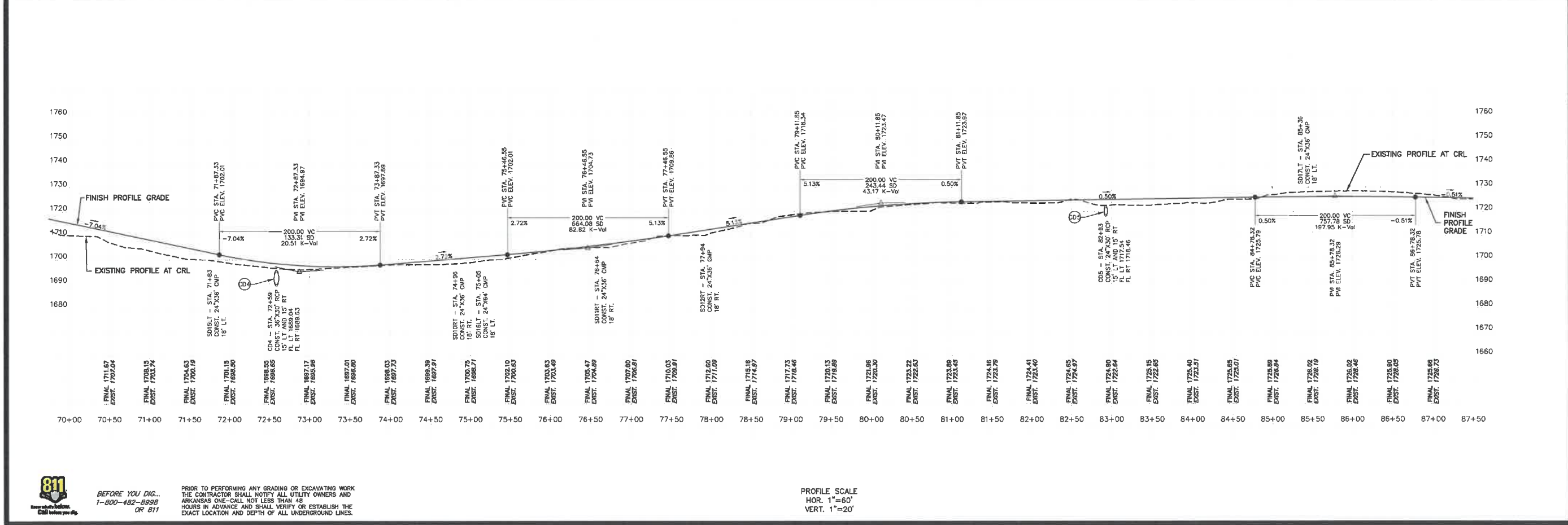
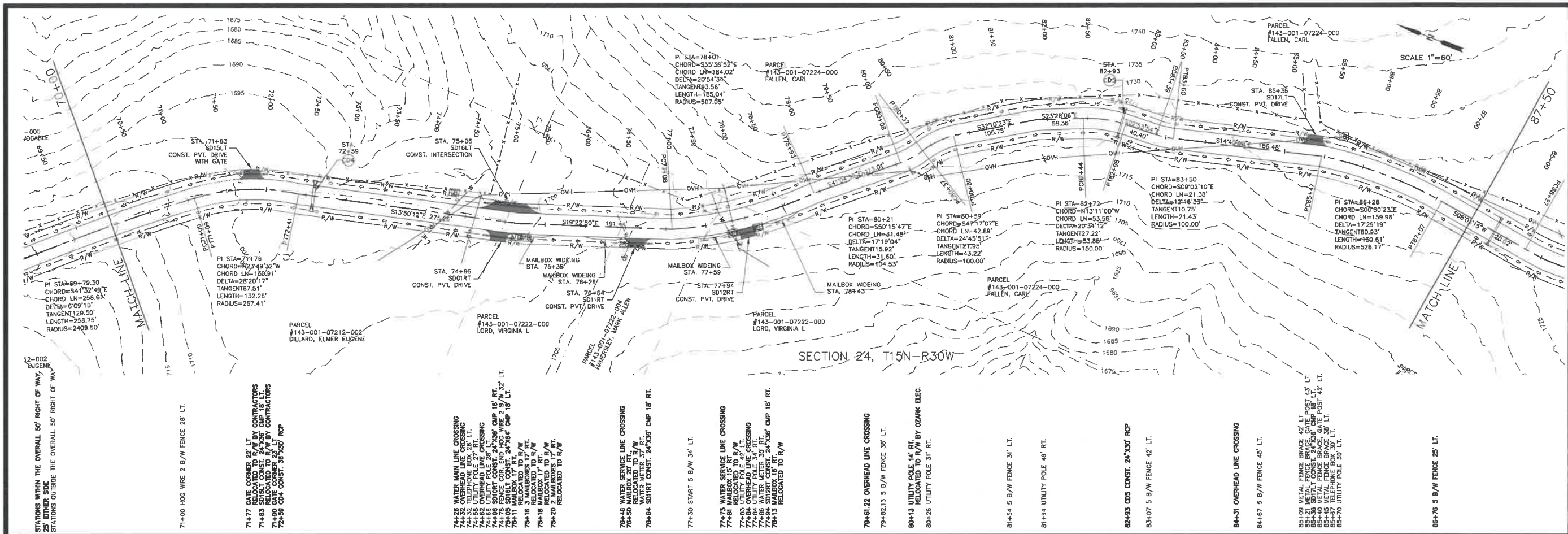


WASHINGTON COUNTY ROAD DEPARTMENT
2615 S. BRINK DRIVE FAYETTEVILLE,
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Ian McCune
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CELL: 417-235-1113
EMAIL: IAN@MCCUNEDESIGN.COM

E WALLIN MNT ROAD

E WALLIN MNT ROAD
PLAN AND PROFILE
SHEET 4 OF 6



E WALLIN MNT ROAD
 PLAN AND PROFILE
 SHEET 5 OF 6

E WALLIN MNT ROAD

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 501-781-1113
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WASHINGTON COUNTY ROAD DEPARTMENT
 2615 S. BRINK DRIVE FAYETTEVILLE,
 ARKANSAS

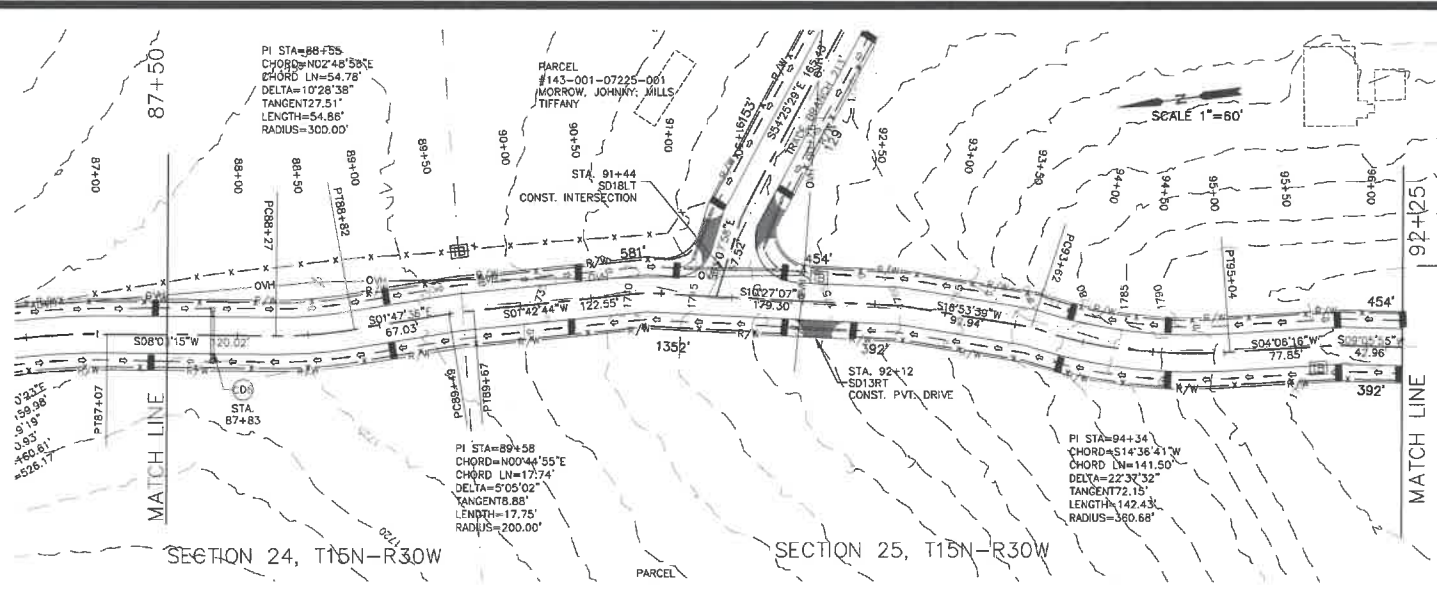


DESIGN BY: IPM CHECK BY: WCRD DATE: 11/29/19 SHEET 19 OF 21

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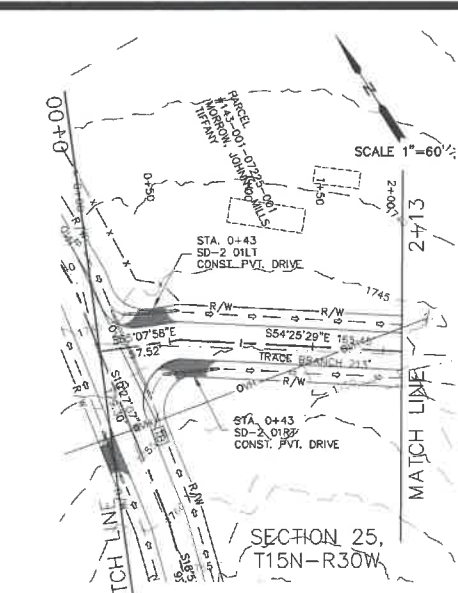
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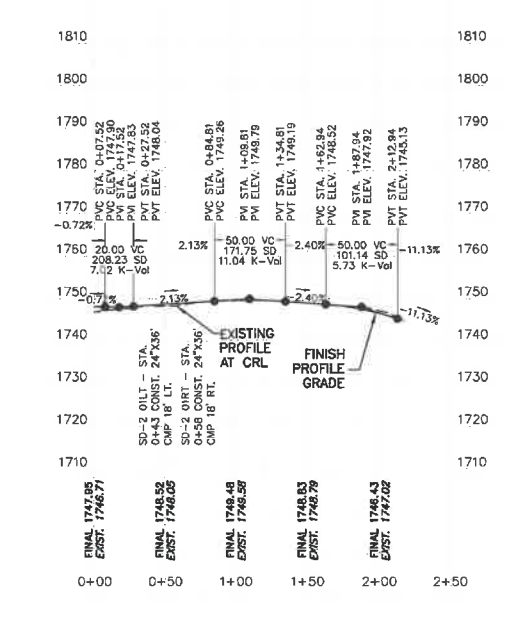
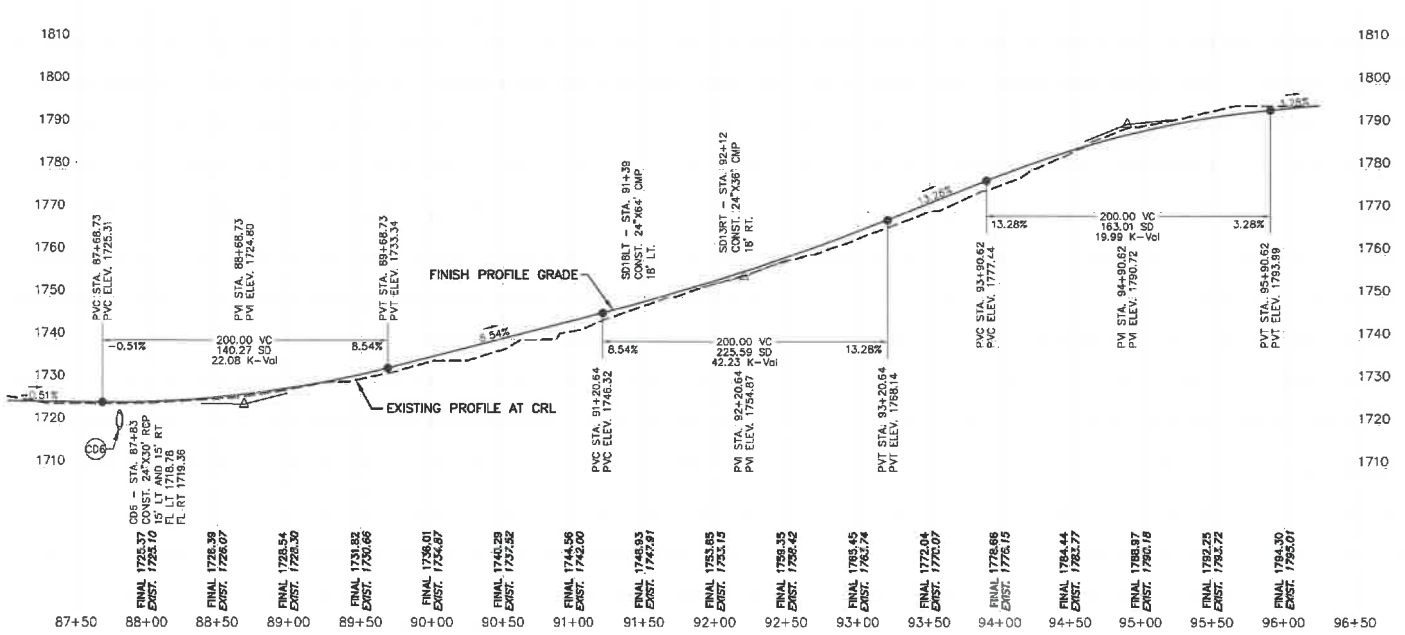


STATIONS WITHIN THE OVERALL 50' RIGHT OF WAY,
25' EITHER SIDE
STATIONS OUTSIDE THE OVERALL 50' RIGHT OF WAY

- 87+83 CURB CONST. 24"x36" RCP
87+83 3 B/W FENCE 4.3' LT.
- 88+61 UTILITY POLE 36" LT.
- 88+90.26 3 B/W FENCE 49' LT.
- 89+61 TELEPHONE BOX 42' LT.
88+68 END 5 B/W FENCE 43' LT.
89+68 START HOG WIRE FENCE 44' LT.
- 89+26 HOG WIRE FENCE 43' LT.
- 91+02 HOG WIRE FENCE CORNER 43' RT.
- 91+44 SDIBLT CONST. 24"x36" CMP 18' LT.
- 91+98 UTILITY POLE 36" LT. BY OZARK ELEC.
RELOCATED TO R/W BY OZARK ELEC.
- 92+12 SDIBLT CONST. 24"x36" 18' RT.
- 91+98 OVERHEAD LINE CROSSINGS
- 92+00 UTILITY POLE 18' LT. BY OZARK ELEC.
- 92+11 TELEPHONE BOX 17' LT.
RELOCATED TO R/W BY WINDSTREAM
- 92+12 SDIBLT CONST. PVT. DRIVE
- 92+36 TELEPHONE BOX 15' RT.
RELOCATED TO R/W BY OZARK ELEC.
- 92+25 END OF E WALLIN MNT ROAD PROJECT
TIE INTO EXISTING ROAD



- 94+21 SDIBLT CONST. 24"x36" CMP
(SEE SDIBLT AT STA. 91+44)
- 94+32 HOG WIRE FENCE CORNER 46' LT.
- 94+35 SD-2 OILT CONST. 24"x36" CMP 18' LT.
- 94+36 GATE POST 36" LT.
- 94+38 GATE POST 37' LT.
- 94+88 SD-2 OILT CONST. 24"x36" CMP 18' RT.
- 94+74 OVERHEAD LINE CROSSINGS
- 94+13 END TRACE BRANCH CONSTRUCTION
TIE INTO EXISTING ROAD



BEFORE YOU DIG...
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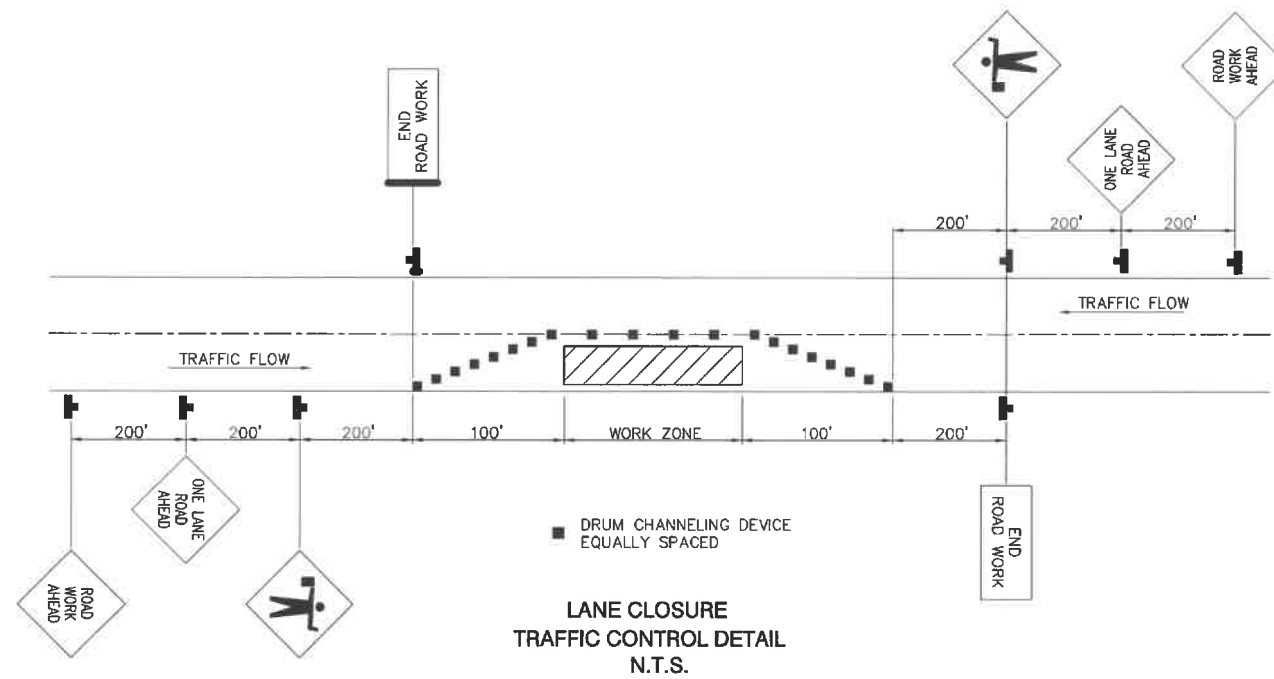
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Ian McCune
DRAFTING SERVICES
USE COORDINATES OR QUANTITIES AS SHOWN
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EMAIL IAN@MCCUNEDESIGN.COM

WASHINGTON COUNTY ROAD DEPARTMENT
2615 S. BRINK DRIVE FAYETTEVILLE,
ARKANSAS



E WALLIN MNT ROAD
PLAN AND PROFILE
SHEET 6 OF 6



TRAFFIC CONTROL PLAN

THE ENTIRE ROAD SHALL REMAIN OPEN TO LOCAL TRAFFIC AND CLOSED TO THROUGH TRAFFIC DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BARRICADES, LIGHTS AND SIGNING WITHIN THE LIMITS OF CONSTRUCTION. ALL CONSTRUCTION SIGNING WILL BE DONE IN ACCORDANCE TO STANDARDS SET FORTH IN THE ROADWAY DESIGN PLAN DEVELOPMENT GUIDELINES 11-07-19, AND AS SHOWN ON THE AR.D.O.T. T.C. DRAWINGS. ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION, OR AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.

THE CONTRACTOR MAY INSTALL CROSS DRAINS ONE SIDE AT A TIME WHILE MAINTAINING ONE LANE OF TRAFFIC AND PERFORM GRADING WORK OUTSIDE OF THE ROADWAY.

DURING WORK HOURS, FLAGMEN WILL BE REQUIRED AT EACH END OF THE CONSTRUCTION ZONE WHENEVER THE ROAD IS ONLY OPEN TO ONE LANE OF TRAFFIC.

SEE STANDARD TC3 FOR PLACEMENT OF TRAFFIC CONTROL. SIGNS WILL BE COVERED WHEN THEY CONFLICT WITH ACTUAL TRAFFIC OPERATIONS. (i.e. COVER 'FLAG MEN AHEAD' OR 'ONE LANE ROAD', etc. SIGNS WHEN NOT REQUIRED)

TYPICAL SEQUENCE OF CONSTRUCTION

1. INSTALL CONSTRUCTION SIGNING.
2. CLEAR AND GRUB, STOCKPILE TOPSOIL AND BEGIN INSTALLATION OF CROSS DRAINS. CROSS DRAINS ARE TO BE CONSTRUCTED ONE LANE AT A TIME UNLESS A SHOOFLY DETOUR IS PROVIDED.
3. GRADING OPERATIONS OUTSIDE THE EDGE OF EXISTING ROADWAY WHILE MAINTAINING TWO WAY TRAFFIC ON EXISTING ROAD.
4. GRADING WITHIN REMAINDER OF PHASE UTILIZING FLAGMEN FOR TRAFFIC CONTROL WHEN LANES ARE CLOSED TO ONE LANE OF TRAFFIC. ROADWAY SHALL BE OPEN TO TWO LANE TRAFFIC WHEN CONTRACTOR IS NOT ON SITE.
5. INSTALL AGGREGATE BASE, PRIME COAT AND ASPHALT AS SPECIFIED ON TYPICAL SECTIONS.

GENERAL NOTES:
ALL MATERIALS AND WORKMANSHIP SHALL BE DONE IN ACCORDANCE OF ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.



BEFORE YOU DIG...
1-800-482-8998
OR 811

PRIOR TO PERFORMING ANY GRADING OR EXCAVATING WORK THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND ARKANSAS ONE-CALL NOT LESS THAN 48 HOURS IN ADVANCE AND SHALL VERIFY OR ESTABLISH THE EXACT LOCATION AND DEPTH OF ALL UNDERGROUND LINES.

WASHINGTON COUNTY ROAD DEPARTMENT
2615 S. BRINK DRIVE FAYETTEVILLE, ARKANSAS



Ian McCune
DRAFTING SERVICES
695 CROSS JAMES RD. QUINCY, OK 74551
OFFICE 518-468-3135 - MOBILE 518-207-7113
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TRAFFIC CONTROL PLAN