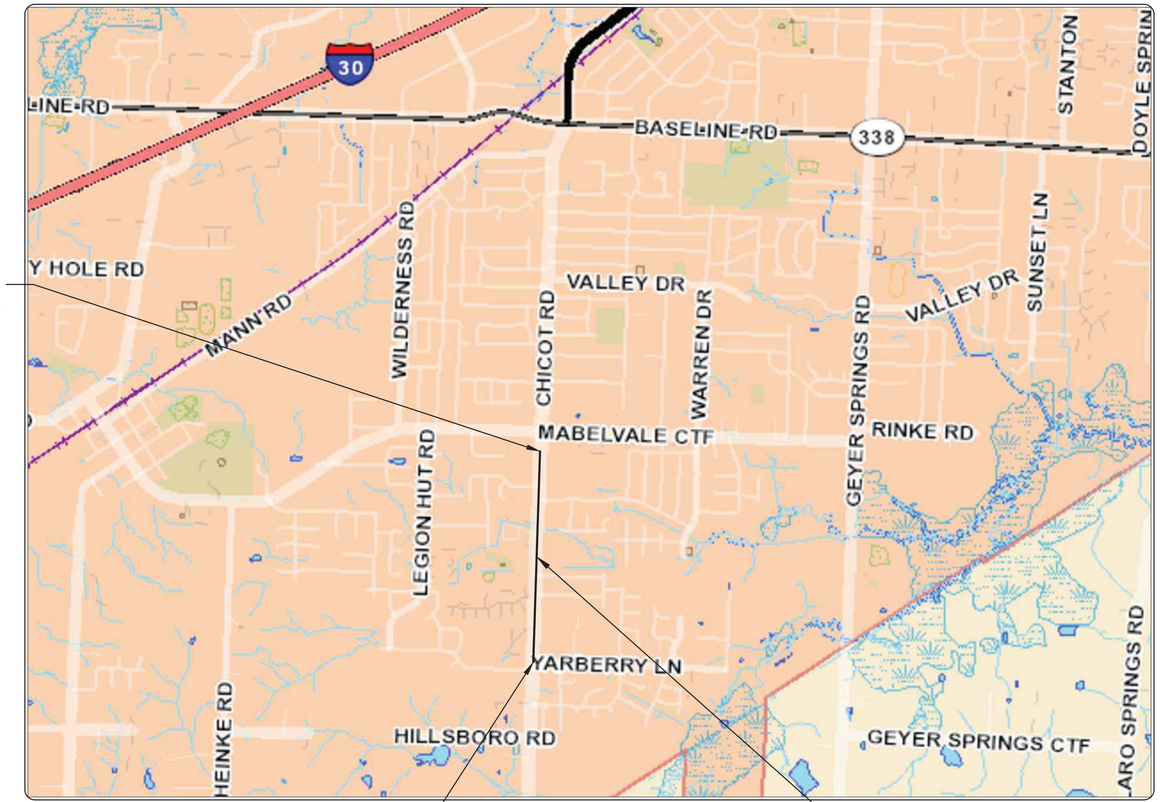


PROJECT LOCATION – WARD 7

CLR PROJECT 07-17-ST-357
CHICOT ROAD IMPROVEMENTS
(MABELVALE CUT-OFF TO YARBERRY LANE)



PUBLIC WORKS · CITY OF LITTLE ROCK ·

2019-2021
BOND PROGRAM

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 WEST MARKHAM STREET
LITTLE ROCK, ARKANSAS 72201

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X10	CROSS SECTIONS (10)
X11	CROSS SECTIONS (11)
X12	CROSS SECTIONS (12)
X13	CROSS SECTIONS (13)
X14	CROSS SECTIONS (14)
X15	CROSS SECTIONS (15)
X16	CROSS SECTIONS (16)
X17	CROSS SECTIONS (17)

811 Know what's below. Call before you dig.

Michael Baker INTERNATIONAL
1400 WEST MARKHAM
SUITE 204
LITTLE ROCK, ARKANSAS 72201
(501) 907–6223

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
COVER SHEET

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	N.T.S.
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C1

	PRICING OF ESTIMATED QUANTITIES		
	CLR PROJECT 07-17-ST-357		
	CHICOT ROAD RECONSTRUCTION		
	BASE BID		
ITEM #	**ITEM DESCRIPTION**	**UNIT**	**QUANTITY**
2.01	SITE PREPARATION	LS	1
3.01	UNCLASSIFIED EXCAVATION	CY	6500
3.06	BORROW MATERIAL	CY	1900
3.40	TOPSOIL	CY	1144
4.01	AGGREGATE BASE COURSE	CY	2500
5.01	TACK COAT	GAL	2817
6.01	ASPHALT SURFACE COURSE	TON	4892
6.02	ASPHALT BINDER COURSE	TON	836
7.06	CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH	SF	4516
7.18	CONCRETE DRIVEWAY (8" THICK), STANDARD FINISH	SF	899
7.06	ASPHALT DRIVEWAY (2" THICK)	SF	1115
7.08	GRAVEL DRIVEWAY (8" THICK)	SF	1744
8.03	CONCRETE CURB AND GUTTER (CLASS 3)	LF	5470
9.04	CONCRETE SIDEWALK (4" THICK)	SF	25246
10.01	JUNCTION BOX - 4' BOX	EA	1
10.01	JUNCTION BOX - 5' BOX	EA	1
10.02	AREA INLET	EA	1
10.04	CURB INLET - 4' BOX	EA	22
10.05	CURB INLET - 5' BOX	EA	3
10.07	WING 3' EXTENSION	EA	22
10.10	WING 6' EXTENSION	EA	4
10.14	WING 10' EXTENSION	EA	1
11.01	REINFORCED CONCRETE PRECAST BOX CULVERT (3'x2')	LF	21
11.01	REINFORCED CONCRETE PRECAST BOX CULVERT (4'x2' DOUBLE)	LF	100
11.01	REINFORCED CONCRETE PRECAST BOX CULVERT (4'x3')	LF	347
11.01	REINFORCED CONCRETE PRECAST BOX CULVERT (5'x3')	LF	37
11.01	REINFORCED CONCRETE PRECAST BOX CULVERT (5'x3' DOUBLE)	LF	39
11.01	REINFORCED CONCRETE PRECAST HEADWALL	CY	30
11.01	REINFORCED CONCRETE PRECAST WINGWALS	EA	5
11.01	CONCRETE DITCH PAVING (4")	SF	418
13.18C	STORM DRAIN PIPES, 18" (CROSS DRAIN)	LF	420
13.18S	STORM DRAIN PIPES, 18" (SIDE DRAIN)	LF	1260
13.24C	STORM DRAIN PIPES, 24" (CROSS DRAIN)	LF	60
13.24S	STORM DRAIN PIPES, 24" (SIDE DRAIN)	LF	60
13.30S	STORM DRAIN PIPES, 30" (SIDE DRAIN)	LF	60
13.36C	STORM DRAIN PIPES, 36" (CROSS DRAIN)	LF	60
13.36S	STORM DRAIN PIPES, 36" (SIDE DRAIN)	LF	940
14.01	SOLID SODDING, BERMUDA	SY	10290
16.01	MAINTENANCE OF TRAFFIC	LS	1
18.40	HAND RAILING	LF	90
18.45	RIPRAP (IF AND WHEN DIRECTED BY ENGINEER)	CY	22
18.50	ACCESS RAMP	SF	974
19.01	FINAL CLEANUP	LS	1
24.01	CONSTRUCTION ENTRANCE (CO)	EA	2
24.02	CHECK DAM (CD)	CY	5
24.09	SEDIMENT BARRIER, BLOCK (SD4)	EA	34
24.11	SILT FENCE - TYPE A (SFA)	LF	5180
24.14	STORM DRAIN OUTLET PROTECTION (ST)	EA	3
26.10	TRENCH & EXCAVATION SAFETY	LS	1
27.10	COLD MILLING ASPHALT PAVEMENT	SY	700
29.10	PROJECT INFORMATION KIOSK (PW-18)	EA	1
719.06W	THERMOPLASTIC PAVEMENT MARKING WHITE (6")	LF	1020
719.06Y	THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	LF	12030
719.50	THERMOPLASTIC PAVEMENT WORDS	EA	1
719.60	THERMOPLASTIC PAVEMENT ARROWS	EA	2
801	UNCLASSIFIED EXCAVATION FOR STRUCTURES-BRIDGE	CY	120
802	CLASS S CONCRETE - BRIDGE	CY	74.8
802	25' PRECAST CONCRETE INTERIOR UNITS	EA	4.0
802	25' PRECAST CONCRETE CURB UNITS	EA	2.0
802	25' PRECAST CONCRETE NARROW BACK UNITS	EA	2.0
804	REINFORCING STEEL - BRIDGE (GRADE 60)	LB	11,614
805	CONCRETE PILING (16" SQUARE)	LF	250
806	METAL BRIDGE RAILING (TYPE-H)	LF	50
821	MODIFICATION OF EXISTING BRIDGE STRUCTURE	LS	1

EXISTING

- IRON ROD — IR
- PK NAIL — PK
- R.R. SPIKE — RR(Sp)
- CONC. MONUMENT — CM
- WATER VALVE — WV
- WATER METER — WM
- FIRE HYDRANT — FH
- GAS METER — GM
- GAS VALVE — GV
- CLEAN–OUT — CO
- GUARD POST (BOLLARD) — GP
- SIGN POST
- BENCHMARK
- STORM SEWER MANHOLE (D)
- SANITARY SEWER MANHOLE (S)
- TELEPHONE MANHOLE (T)
- ELECTRIC MANHOLE (E)
- TELEPHONE BOX (T)
- ELECTRIC BOX (E)
- CABLE BOX (C)
- UTILITY POLE
- GUY WIRE
- LIGHT POLE
- POST OR POLE (TYPE AS NOTED)
- MAILBOX
- DECIDUOUS TREE
- EVERGREEN/CONIFEROUS TREE
- BUSH
- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- CURB
- FENCE — X X X
- OVERHEAD ELECTRIC — OE OE
- OVERHEAD TELEPHONE — OT OT
- OVERHEAD CABLE — OC OC
- UNDERGROUND TELEPHONE — UGT
- UNDERGROUND ELECTRIC — UGE
- UNDERGROUND CABLE — UGC
- WATER LINE — 8"W
- SEWER LINE — 8"SS
- GAS LINE — 4"G
- STORM SEWER/CULVERT — 24" CMP/RCP/DIP
- EDGE OF WOODS
- CONTOUR LINE — 650
- TREE REMOVAL

PROPOSED

- PROPOSED CONTOUR — 25
- PROPOSED SPOT ELEVATION — 25.00
- PROPOSED SPOT CURB ELEVATION — 25.50 / 25.00
- STORM SEWER – PIPE
- STORM SEWER – MITERED END SECTION
- STORM SEWER – GRATE INLET
- STORM SEWER – JUNCTION BOX (D) (D)
- STORM SEWER – FLARED END SECTION
- STORM SEWER – HEADWALL
- STORM SEWER – SINGLE WING (D)
- STORM SEWER – DOUBLE WING (D)
- STORM SEWER – AREA INLET (D)
- GRADE BREAK LINE
- HIGH POINT — HP
- LOW POINT — LP
- CUT LINE — C
- FILL LINE — F
- SANITARY SEWER PIPE — SAN
- SANITARY SEWER MANHOLE (S)
- PROPOSED CURB
- PROPOSED CONCRETE
- ASPHALT DRIVEWAY
- GRAVEL DRIVEWAY
- ASPHALT OVERALY
- FULL DEPTH ASPHALT
- CONSTRUCTION – ENTRANCE/EXIT — CO
- CHECK DAM — CD
- DIVERSION BERM — DI
- DOWNDRAIN STRUCTURE – TEMPORARY — DN
- ROCK DAM — RD
- SEDIMENT BARRIER – SILT FENCE — SD1
- SEDIMENT BARRIER – GRAVEL RING — SD2
- SEDIMENT BARRIER – BLOCK & GRAVEL — SD3
- SEDIMENT BARRIER – BLOCK — SD4
- TEMPORARY SEDIMENT BASIN — SB1
- SILT FENCE – TYPE A — SFA
- SILT FENCE – TYPE B — SFB
- SILT FENCE – TYPE C — SFC
- STORM DRAIN OUTLET PROTECTION — ST
- SURFACE ROUGHENING — SU
- DISTURBED AREA STABILIZATION –TEMPORARY STABILIZATION — TS1
- DISTURBED AREA STABILIZATION –TEMPORARY GRASSING — TS2
- DISTURBED AREA STABILIZATION –PERMANENT GRASSING — TS3
- MATTING/BLANKETS — Mb

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION
GENERAL NOTES, LEGEND AND QUANTITIES

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	KLL
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DATE	1-28-2020
SCALE	N.T.S.
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C2

45L0610017501
OSMANI N SILVA
11810 CHICOT RD
MABELVALE AR, 72103
BOOK 2018 PAGE 010856

45L0610017200
CARL R JR/HAWLEY
PATRICIA JENKINS
11802 CHICOT RD
MABELVALE AR, 72103
BOOK 2017 PAGE 034438

WOODCREST COMPANY
7601 CLAYBROOK RD
LITTLE ROCK AR, 72103
BOOK 2018 PAGE 025625

45L0760000100
HEATHER NICOLE DAVIS
7600 CLAYBROOK RD
LITTLE ROCK AR, 72103
BOOK 2017 PAGE 017439

45L0770005700
MARTINEZ JESUS
YARBERRY LN
MABELVALE AR, 72103
BOOK 2018 PAGE 018939

GRAPHIC SCALE
0 10 20 40 60 80

2V094
EXISTING SSMH
RIM ELEV. – 322.65
8" N FL OUT 309.55
8" W FL IN 309.50

2V095
EXISTING
RIM ELE
8" E FL
8" S FL

3V009
EXISTING SSMH
RIM ELEV. – 322.94
8" N FL OUT 313.94
8" E FL IN 313.94
8" S FL IN 317.99

3V094
EXISTING SSMH
RIM ELEV. – 3
8" N FL OUT 3
8" W FL IN 30
8" S FL IN 30

EXISTING STMH
RIM ELEV. – 320.93
36" FL IN S 316.76
36" FL OUT N 316.76
18" FL IN E 316.76

EXISTING STMH
RIM ELEV. – 324.77
18" FL OUT N 319.24

EXISTING STMH
RIM ELEV. – 322.39
18" FL IN S 317.50
18" FL OUT W 317.48

CHICOT ROAD BOP STA 5+00.00

STA 7+00

MATCH LINE

45L0750100100
WHMHP LLC
11500 CHICOT RD
MABELVALE AR, 72103
BOOK 2017 PAGE 015388

45L0750100100
WHMHP LLC
11500 CHICOT RD
MABELVALE AR, 72103
BOOK 2017 PAGE 015388

15' UTILITY EASEMENT

2V095
EXISTING SSMH
RIM ELEV. – 315.67
8" E FL OUT 308.18
8" S FL IN 308.71

3V094
EXISTING SSMH
RIM ELEV. – 313.13
8" N FL OUT 307.22
8" W FL IN 308.10
8" S FL IN 307.33

3V008
EXISTING SSMH
RIM ELEV. – 307.42
8" N FL OUT 300.01
8" S FL IN 300.01

3V007
EXISTING SSMH
RIM ELEV. – 302.97
8" N FL OUT 295.20
8" S FL IN 295.78

5' EASEMENT

10' EASEMENT

STA 12+50

45L0770004600
TYRONE MITCHELL
7524 YARBERRY LN
LITTLE ROCK AR, 72209
BOOK 2009 PAGE 029312

45L-077.00-047.00
THADDIUS WILEY
11515 CHICOT RD
MABELVALE AR, 72103
BOOK 2008 PAGE 070111

REVISIONS	DATE

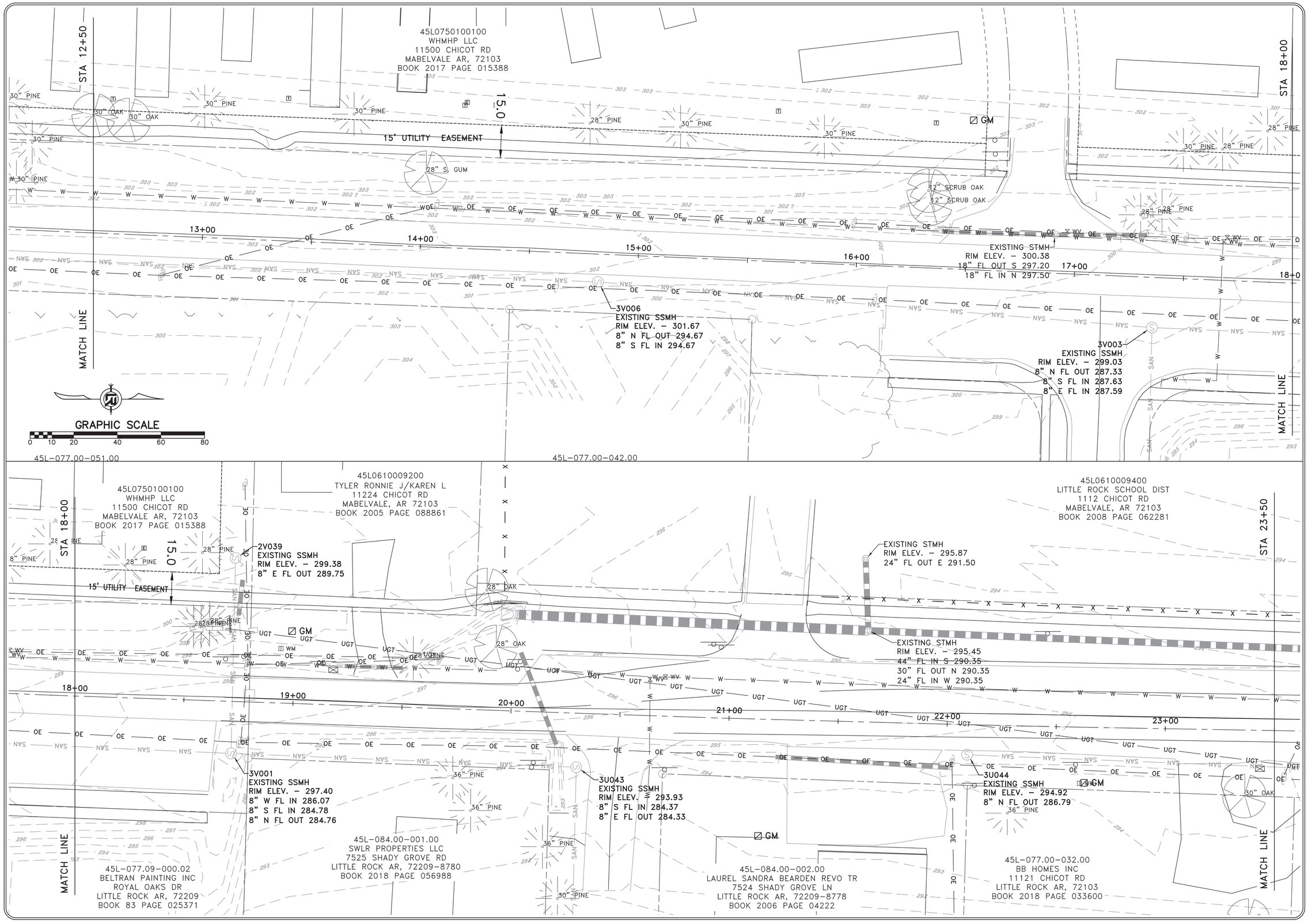
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

EXISTING CONDITIONS (1)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C3



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

EXISTING CONDITIONS (2)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C4

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

EXISTING CONDITIONS (3)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STA 23+50

MATCH LINE

45L0610009400
LITTLE ROCK SCHOOL DIST
1112 CHICOT RD
MABELVALE, AR 72103
BOOK 2008 PAGE 062281

EXISTING STMH
RIM ELEV. – 294.09
36" FL IN S 286.63
(2) 24" FL OUT N 286.63

EXISTING STMH
RIM ELEV. – 294.90
30" FL IN S 287.32
36" FL OUT N 287.32
24" FL IN W 289.30

2U093
EXISTING SSMH
RIM ELEV. – 287.28
12" E FL OUT 280.69
12" N FL IN 280.69

EXISTING STMH
RIM ELEV. – 288.06
(2) 24" FL IN S 284.74
(2) 24" FL OUT NE 284.74

EXISTING STMH
RIM ELEV. – 290.13
(2) 24" FL IN SW 284.30
(2) 24" FL OUT N 284.30

2U092
EXISTING SSMH
RIM ELEV. – 283.59
12" S FL OUT 282.01

EXISTING STMH
RIM ELEV. – 289.35
36" FL OUT N 283.57
(2) 24" FL IN S 283.57

3U045
EXISTING SSMH
RIM ELEV. – 296.24
8" N FL OUT 283.85
8" S FL IN 283.98

3U046
EXISTING SSMH
RIM ELEV. – 287.51
16" N FL IN 278.39
8" S FL IN 278.51
12" W FL IN 279.89
16" E FL OUT 278.40

3U093
EXISTING SSMH
RIM ELEV. – 285.99

45L-077.00-028.00
GENARO ROSALES
11103 CHICOT RD
MABELVALE AR, 72103
BOOK 05 PAGE 042855

45L0770002900
JACKSON DENORMUS A
11019 CHICOT RD
MABELVALE, AR 72103
BOOK 83 PAGE 25371

24+00 25+00 26+00 27+00 28+00

28" OAK
28" PINE
30" OAK
CEDAR

GRAPHIC SCALE
0 10 20 40 60 80

STA 28+50

45L0610009500
BETHEL PRIM BAPTIST CH
10900 CHICOT RD
MABELVALE, AR 72103
BOOK 98 PAGE 66041

45L0610001700
WILLIAMS ALONZO D JR
10824 CHICOT RD
MABELVALE, AR 72103
BOOK 2007 PAGE 025037

45L06100[illegible]00
GRAY MIC[illegible]E
10816 CHIC[illegible]RD
MABELVALE, AR 72103
BOOK 2013 PAGE 081903

STA 33+50

2U092
EXISTING SSMH
RIM ELEV. – 283.59
12" S FL OUT 282.01

EXISTING STMH
RIM ELEV. – 289.35
36" FL OUT N 283.57
(2) 24" FL IN S 283.57

29+00 30+00 31+00 32+00 33+00

3U095
EXISTING SSMH
RIM ELEV. – 286.63
12" N FL IN 278.77
16" S FL OUT 278.74

3U094
EXISTING SSMH
RIM ELEV. – 285.46
16" N FL IN 278.51
16" S FL OUT 278.47

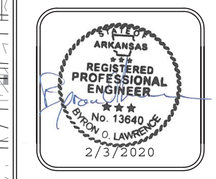
3U048
EXISTING SSMH
RIM ELEV. – 288.79
8" N FL IN 279.59
12" S FL OUT 279.50
10" W FL IN 279.89

EXISTING STMH
RIM ELEV. – 292.83
24" FL OUT 288.68
24" FL IN [illegible] 288.68

45L0770003300
[illegible] JACK FAM LLC
[illegible] CHICOT RD
MA[illegible]LVALE, AR 72103
BOOK 2016 PAGE 093148

45L0770003100
MID-ARK PROPERTY &
INVESTMENTS INC
10903 CHICOT RD
MABELVALE, AR 72103
BOOK 2017 PAGE 021952

45L0820000100
MONTOYA MANUEL/ELODIA
7501 YORKWOOD DR
LITTLE ROCK, AR 722090000
BOOK 2008 PAGE 053401



2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C5

45L0610001500
BRIXEY DONALD D INT VIV REVOC
10802 CHICOT RD
MABELVALE, AR 72103
BOOK 99 PAGE 080395

45L0610001900
STROUD JERRY & DEBBIE
10712 CHICOT RD
MABELVALE, AR 72103
BOOK 93 PAGE 85698

45L0610002000
CHRISTIAN FELLOWSHIP CHU
10700 CHICOT RD
MABELVALE, AR 72103
BOOK 83 PAGE 25371

STA 33+50

STA 38+50

MATCH LINE

EXISTING STMH
RIM ELEV. – 292.83
24" FL OUT 288.68
24" FL IN NW 288.68

3U049
EXISTING SSMH
RIM ELEV. – 295.35
8" S FL OUT 287.06
8" W FL IN 288.58
8" N FL IN 287.10

EXISTING S
RIM ELEV. – 29
15" FL OUT S 29

EXIS
RIM ELEV.
8" S FL C
W FL
N FL

45L0770002300
HICKS HAROLD MARK

GRAPHIC SCALE
0 10 20 40 60 80

45L0610002000
AN FELLOWSHIP CHU H
0700 CHICOT RD
BELVALE, AR 72103
OK 83 PAGE 25371

45L0610000900
TEMPLE OF RESTORATION CHURCH OF GOD IN
10610 CHICOT RD
MABELVALE, AR 72103
BOOK 2009 PAGE 065307

EXISTING STMH
RIM ELEV. – 298.94
15" FL OUT S 295.49

CHICOT ROAD EOP STA 39+26.06

3U050
EXISTING SSMH
RIM ELEV. – 298.09
8" S FL OUT 289.91
8" W FL IN 290.26
8" N FL IN 290.40

EXISTING STMH
RIM ELEV. – 299.07
24" FL IN N 295.44

EXISTING STMH
RIM ELEV. – 300.15
24" FL OUT S 297.40

45L0770002300
ICKS HAROLD MARK
10701 CHICOT RD
BELVALE, AR 72103

45L0770001900
CITY OF LITTLE ROCK
10621 CHICOT RD

REVISIONS	DATE

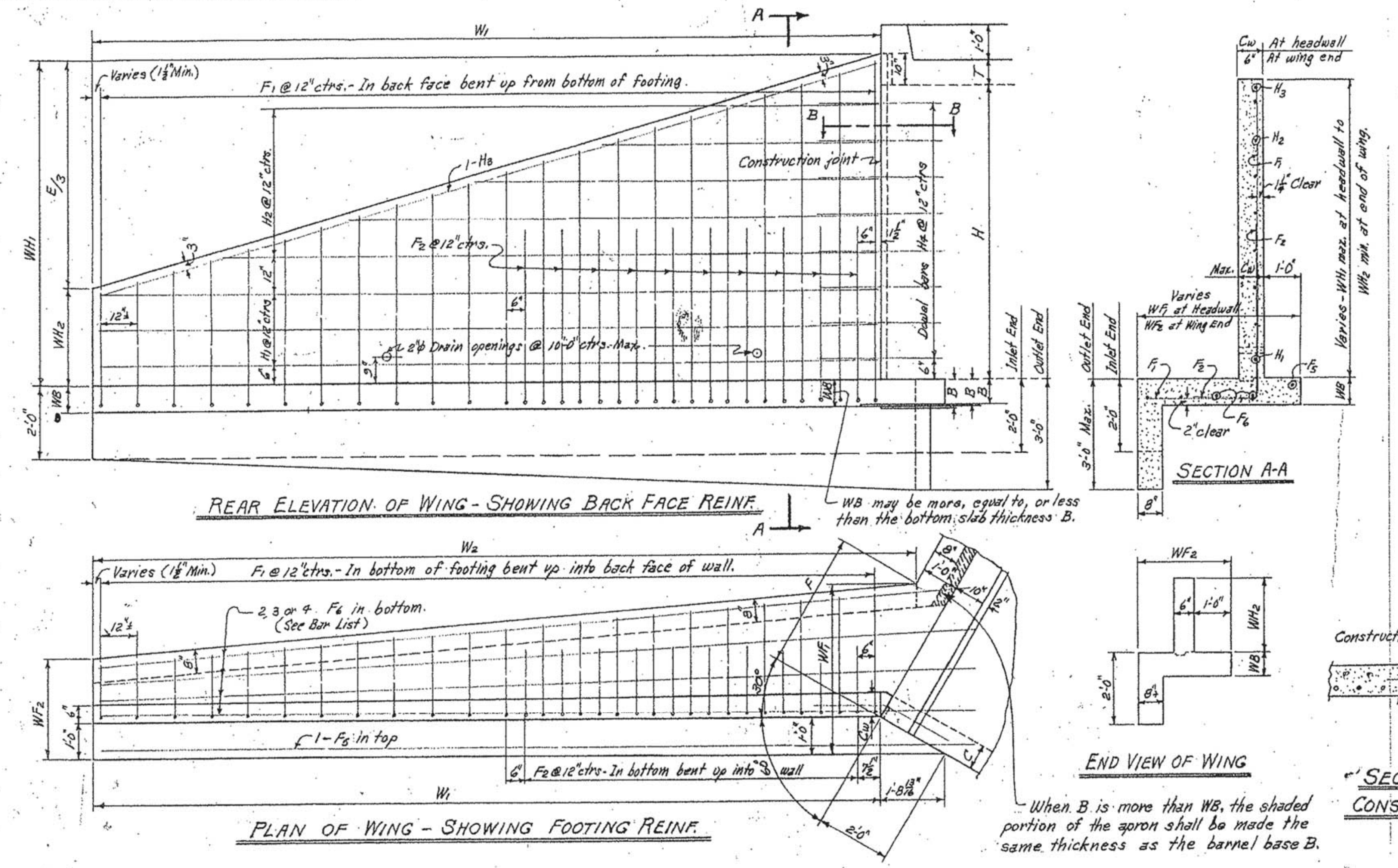
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

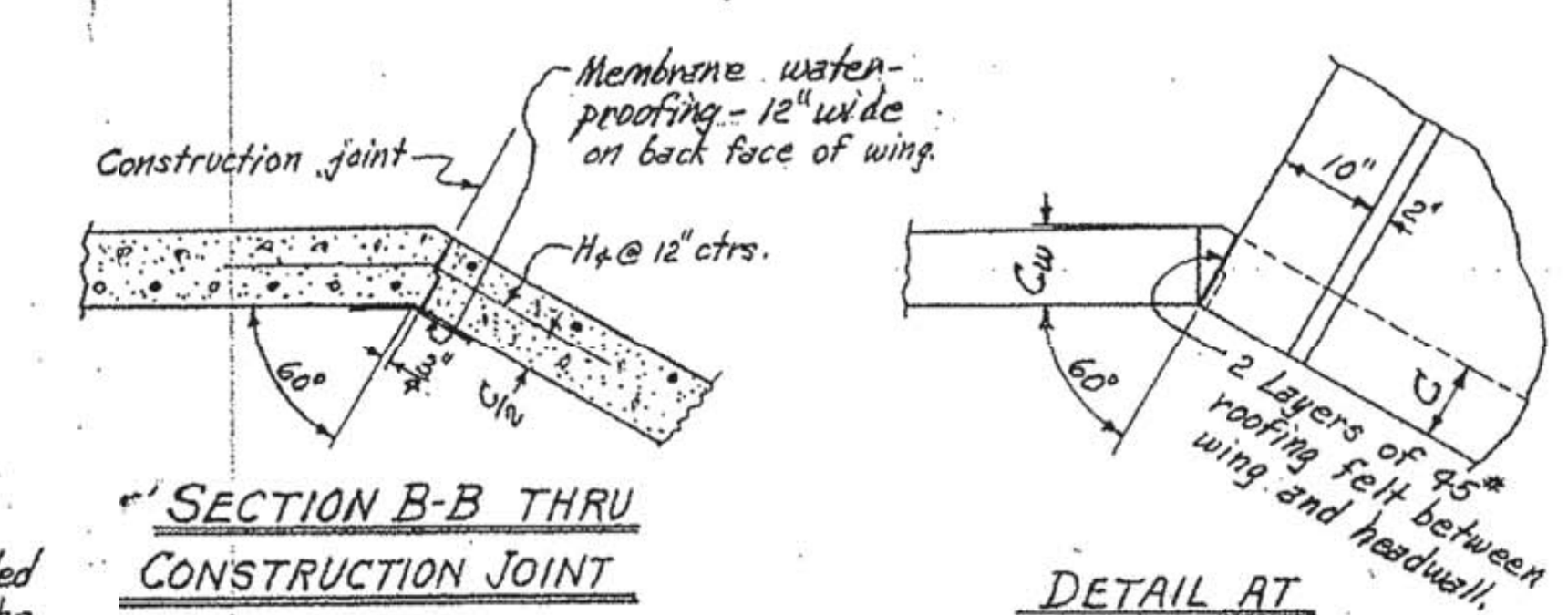
EXISTING CONDITIONS (4)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE III
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C6





Note:- Payment for membrane waterproofing and roofing felt to be included in the price bid for Class S Concrete.

WING DIMENSIONS

Clear Height of Box	Thickness of Wing Footing	Thickness of Wing at Headwall = C	Wingwall Heights At Headwall	Wingwall Heights At End of Wing	Widths of Wing Footings At Headwall	Widths of Wing Footings At End of Wing	Perpendicular Footing Dimension	Perpendicular Dist. from Hdwl. to End of Wing	Length of Wingwalls	Inside Footing Dimension	* Quantity per Wing Class S Concrete Inlet End	Outlet End
H	WB	Cw	WH1	WH2	WF1	WF2	F	E	W1	W2	Cu.Yd.	Cu.Yd.
2'	7"	6"	2'-10"	0'-8"	2'-4"	2'-0"	0'-11¾"	6'-6"	7'-6"	7'-1½"	0.889	0.986
3'	7"	6"	3'-10"	1'-0"	2'-8"	2'-1½"	1'-4⅜"	8'-6"	9'-9¾"	9'-7¼"	1.338	1.466
4'	7"	6"	4'-10"	1'-4"	3'-0"	2'-3"	1'-9"	10'-6"	12'-1½"	12'-1½"	1.868	2.027
5'	7"	6"	5'-10"	1'-8"	3'-4"	2'-4½"	2'-1⅝"	12'-6"	14'-5¼"	14'-7½"	2.478	2.668
		7"	5'-10"	1'-8"	3'-4"	2'-4½"	2'-1⅝"	12'-6"	14'-5¼"	14'-7½"	2.582	2.772
6'	8"	7"	6'-10"	2'-0"	3'-8"	2'-6"	2'-6¼"	14'-6"	16'-9"	17'-1½"	3.440	3.661
		7½"	6'-10"	2'-0"	3'-8"	2'-6"	2'-6¼"	14'-6"	16'-9"	17'-1½"	3.511	3.732
		8"	6'-10"	2'-0"	3'-8"	2'-6"	2'-6¼"	14'-6"	16'-9"	17'-1½"	3.582	3.803
7'	8½"	7½"	7'-10"	2'-4"	4'-2"	2'-7½"	3'-1¼"	16'-6"	19'-0½"	19'-8¾"	4.505	4.758
		8"	7'-10"	2'-4"	4'-2"	2'-7½"	3'-1¼"	16'-6"	19'-0½"	19'-8¾"	4.597	4.851
8'	9"	8"	8'-10"	2'-8"	4'-8"	2'-9"	3'-8"	18'-6"	21'-4¼"	22'-4"	5.761	6.047

* Quantity per wing does not include headwall or that portion of apron or toewall for the length W3.

APRON DIMENSION W3

W3 = (OW - 2F)

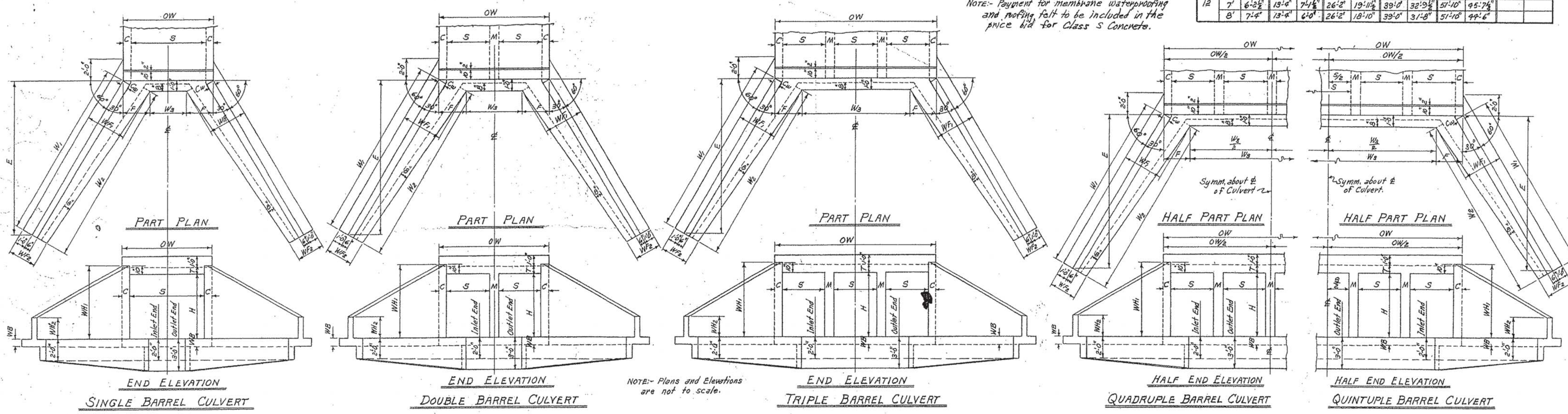
Clear Span	Clear Height	2 × Footing Dimension	Single Barrel Culvert OW	W3	Double Barrel Culvert OW	W3	Triple Barrel Culvert OW	W3	Quadruple Barrel Culvert OW	W3	Quintuple Barrel Culvert OW	W3
S	H	2F	OW	W3	OW	W3	OW	W3	OW	W3	OW	W3
4'	2'	1'-11½"	5'-0"	3'-0½"	9'-8"	7'-8½"	14'-4"	12'-4½"	19'-0"	17'-0½"	23'-8"	21'-8½"
	3'	2'-8¾"	5'-0"	2'-3¼"	9'-8"	6'-11¼"	14'-4"	11'-7¼"	19'-0"	16'-3¼"	23'-8"	20'-11¼"
	4'	3'-6"	5'-0"	1'-6"	9'-8"	6'-2"	14'-4"	10'-10"	19'-0"	15'-6"	23'-8"	20'-2"
	5'	4'-3¼"	5'-0"	0'-8¾"	9'-8"	5'-4¾"	14'-4"	10'-0¾"	19'-0"	14'-8¾"	23'-8"	19'-4¾"
	6'	5'-0½"	5'-2"	0'-1½"	9'-11"	4'-10½"	14'-8"	9'-7½"	19'-5"	14'-4½"	24'-2"	19'-1½"
5'	3'	2'-8¾"	6'-0"	3'-3¼"	11'-8"	8'-11¼"	17'-4"	14'-7¼"	23'-0"	20'-3¼"	28'-8"	25'-11¼"
	4'	3'-6"	6'-0"	2'-6"	11'-8"	8'-2"	17'-4"	13'-10"	23'-0"	19'-6"	28'-8"	25'-2"
	5'	4'-3¼"	6'-0"	1'-8¾"	11'-8"	7'-4¾"	17'-4"	13'-0¾"	23'-0"	18'-8¾"	28'-8"	24'-4¾"
	6'	5'-0½"	6'-2"	1'-1½"	11'-11"	6'-10½"	17'-8"	12'-7½"	23'-5"	18'-4½"	29'-2"	24'-1½"
	7'	6'-2½"	6'-3"	0'-0½"	12'-1"	5'-10½"	17'-11"	11'-8½"	23'-9"	17'-6½"	29'-7"	23'-4½"
6'	3'	2'-8¾"	7'-0"	4'-3¼"	13'-8"	10'-11¼"	20'-4"	17'-7¼"	27'-0"	24'-3¼"	33'-8"	30'-11¼"
	4'	3'-6"	7'-0"	3'-6"	13'-8"	10'-2"	20'-4"	16'-10"	27'-0"	23'-6"	33'-8"	30'-2"
	5'	4'-3¼"	7'-0"	2'-8¾"	13'-8"	9'-4¾"	20'-4"	16'-0¾"	27'-0"	22'-8¾"	33'-8"	29'-4¾"
	6'	5'-0½"	7'-2"	2'-1½"	13'-11"	8'-10½"	20'-8"	15'-7½"	27'-5"	22'-4½"	34'-2"	29'-1½"
	7'	6'-2½"	7'-3"	1'-0½"	14'-1"	7'-10½"	20'-11"	14'-8½"	27'-9"	21'-6½"	34'-7"	28'-4½"
	8'	7'-4"	7'-4"	0'-0"	14'-2"	6'-10"	21'-0"	13'-8"	27'-10"	20'-6"	34'-8"	27'-4"
7'	4'	3'-6"	8'-0"	4'-6"	15'-8"	12'-2"	23'-4"	19'-10"	31'-0"	27'-6"	38'-8"	35'-2"
	5'	4'-3¼"	8'-0"	3'-8¾"	15'-8"	11'-4¾"	23'-4"	19'-0¾"	31'-0"	26'-8¾"	38'-8"	34'-4¾"
	6'	5'-0½"	8'-2"	3'-1½"	15'-11"	10'-10½"	23'-8"	18'-7½"	31'-5"	26'-4½"	39'-2"	34'-1½"
	7'	6'-2½"	8'-3"	2'-0½"	16'-1"	9'-10½"	23'-11"	17'-8½"	31'-9"	25'-6½"	39'-7"	33'-4½"
	8'	7'-4"	8'-4"	1'-0"	16'-2"	8'-10"	24'-0"	16'-8"	31'-10"	24'-6"	39'-8"	32'-4"
8'	4'	3'-6"	9'-0"	5'-6"	17'-8"	14'-2"	26'-4"	22'-10"	35'-0"	31'-6"	43'-8"	40'-2"
	5'	4'-3¼"	9'-2"	4'-10¾"	17'-11"	13'-7¾"	26'-8"	22'-4¾"	35'-5"	31'-1¾"	44'-2"	39'-10¾"
	6'	5'-0½"	9'-2"	4'-1½"	17'-11"	12'-10½"	26'-8"	21'-7½"	35'-5"	30'-4½"	44'-2"	39'-1½"
	7'	6'-2½"	9'-3"	3'-0½"	18'-1"	11'-10½"	26'-11"	20'-8½"	35'-9"	29'-6½"	44'-7"	38'-4½"
	8'	7'-4"	9'-4"	2'-0"	18'-2"	10'-10"	27'-0"	19'-8"	35'-10"	28'-6"	44'-8"	37'-4"
9'	5'	4'-3¼"	10'-2"	5'-10¾"	19'-11"	15'-7¾"	29'-8"	25'-4¾"	39'-5"	35'-1¾"	49'-2"	44'-10¾"
	6'	5'-0½"	10'-3"	5'-2½"	20'-1"	15'-0½"	29'-11"	24'-10½"	39'-9"	34'-8½"	49'-7"	44'-6½"
	7'	6'-2½"	10'-3"	4'-0½"	20'-1"	13'-10½"	29'-11"	23'-8½"	39'-9"	33'-6½"	49'-7"	43'-4½"
	8'	7'-4"	10'-4"	3'-0"	20'-2"	12'-10"	30'-0"	22'-8"	39'-10"	32'-6"	49'-8"	42'-4"
10'	5'	4'-3¼"	11'-2"	6'-10¾"	21'-11"	17'-7¾"	32'-8"	28'-4¾"	43'-5"	39'-1¾"	54'-2"	49'-10¾"
	6'	5'-0½"	11'-3"	6'-2½"	22'-1"	17'-0½"	32'-11"	27'-10½"	43'-9"	38'-8½"	54'-7"	49'-6½"
	7'	6'-2½"	11'-3"	5'-0½"	22'-1"	15'-10½"	32'-11"	26'-8½"	43'-9"	37'-6½"	54'-7"	48'-4½"
	8'	7'-4"	11'-4"	4'-0"	22'-2"	14'-10"	33'-0"	25'-8"	43'-10"	36'-6"	54'-8"	47'-4"
11'	6'	5'-0½"	12'-4"	7'-3½"	24'-2"	19'-1½"	36'-0"	30'-11½"	47'-10"	42'-9½"		
	7'	6'-2½"	12'-4"	6'-1½"	24'-2"	17'-11½"	36'-0"	29'-9½"	47'-10"	41'-7½"		
	8'	7'-4"	12'-4"	5'-0"	24'-2"	16'-10"	36'-0"	28'-8"	47'-10"	40'-6"		
12'	6'	5'-0½"	13'-4"	8'-3½"	26'-2"	21'-1½"	39'-0"	33'-11½"	51'-10"	46'-9½"		
	7'	6'-2½"	13'-4"	7'-1½"	26'-2"	19'-11½"	39'-0"	32'-9½"	51'-10"	45'-7½"		
	8'	7'-4"	13'-4"	6'-0"	26'-2"	18'-10"	39'-0"	31'-8"	51'-10"	44'-6"		

Fed. Road No.	State	Fed. Aid Project	Fiscal Year	Sheet No.	Total Sheets
6	ARK.				
Job No.					

QUANTITIES

Clear Span	Clear Height	Thickness of Wing at Headwall	Thickness of Wing Footing	⊗ Reinforcing Steel - for 4 Wings	Class S Concrete - 4 Wings (Headwalls, Wingwalls, Footings, Toewalls and Aprons) Single Barrel Culvert	Double Barrel Culvert	Triple Barrel Culvert	Quadruple Barrel Culvert	Quintuple Barrel Culvert
S	H	Cw	WB	LB.	Cu.Yd.	Cu.Yd.	Cu.Yd.	Cu.Yd.	Cu.Yd.
4'	2'	6"	7"	108.0	4.50	5.46	6.42	7.38	8.34
	3'	6"	7"	164.4	6.26	7.21	8.17	9.13	10.09
	4'	6"	7"	254.6	8.33	9.28	10.24	11.20	12.16
	5'	6"	7"	357.8	10.72	11.68	12.64	13.60	14.56
	6'	7"	8"	583.1	14.55	15.53	16.52	17.51	18.49
5'	3'	6"	7"	164.4	6.47	7.63	8.79	9.96	11.12
	4'	6"	7"	254.6	8.54	9.70	10.87	10.03	13.20
	5'	6"	7"	357.8	10.94	12.10	13.26	14.43	15.59
	6'	7"	8"	583.1	14.77	15.96	17.15	18.34	19.54
	7'	7½"	8½"	1134.6	18.94	20.15	21.37	22.59	23.80
6'	3'	6"	7"	164.4	6.68	8.06	9.42	10.80	12.18
	4'	6"	7"	254.6	8.75	10.14	11.49	12.87	14.25
	5'	6"	7"	357.8	11.15	12.53	13.89	15.27	16.65
	6'	7"	8"	583.1	14.98	16.39	17.78	19.18	20.59
	7'	7½"	8½"	1134.6	19.15	20.58	22.00	23.43	24.86
	8'	8"	9"	1425.6	24.09	25.53	26.96	28.39	29.83
7'	4'	6"	7"	254.6	8.97	10.58	12.15	13.76	15.35
	5'	6"	7"	357.8	11.36	12.97	14.54	16.15	17.75
	6'	7"	8"	583.1	15.20	16.82	18.42	20.04	21.66
	7'	7½"	8½"	1134.6	19.38	21.02	22.64	24.28	25.92
	8'	8"	9"	1425.6	24.32	25.97	27.60	29.25	30.89
8'	4'	6"	7"	254.6	9.19	11.03	12.82	14.65	16.45
	5'	7"	7"	357.8	12.03	13.89	15.70	17.55	19.36
	6'	7"	8"	583.1	15.42	17.27	19.09	20.93	22.75
	7'	7½"	8½"	1134.6	19.59	21.46	23.30	25.16	26.99
	8'	8"	9"	1425.6	24.54	26.41	28.24	30.11	31.96
9'	5'	7"	7"	357.8	12.26	14.34	16.37	18.45	20.47
	6'	7½"	8"	583.1	15.94	18.04	20.09	22.19	24.23
	7'	7½"	8½"	1134.6	19.81	21.91	23.96	26.06	28.10
	8'	8"	9"	1425.6	24.76	26.86	28.91	31.00	33.05
10'	5'	7"	7"	357.8	12.49	14.80	17.05	19.26	21.52
	6'	7½"	8"	583.1	16.17	18.50	20.77	22.99	25.28
	7'	7½"	8½"	1134.6	20.04	22.37	24.64	26.87	29.15
	8'	8"	9"	1425.6	24.98	27.31	29.58	31.81	34.10
11'	6'	8"	8"	583.1	16.69	19.27	21.76	24.23	
	7'	8"	8½"	1134.6	20.64	23.22	25.71	28.18	
	8'	8"	9"	1425.6	25.19	27.77	30.27	32.74	
12'	6'	8"	8"	583.1	16.92	19.75	22.45	25.18	
	7'	8"	8½"	1134.6	20.87	23.69	26.40	29.13	
	8'	8"	9"	1425.6	25.42	28.25	30.96	33.69	

⊗ For reinforcing steel in Headwalls and Aprons, See Details of Standard Barrel Sections for R.C. Box Culverts for the desired Span and Height.



NOTE:- Plans and Elevations are not to scale.

MEMBRANE:- A membrane waterproofing 12" wide, consisting of three moppings of waterproofing asphalt and two alternate layers of treated cotton fabric shall be applied to the back face of wing to cover the construction joints in wings.

GENERAL NOTES:-

CONCRETE:- All concrete to be Class S, and shall be poured in the dry. All exposed corners to have ¾" chamfers.

REINFORCING STEEL:- Reinforcing steel to be deformed bars of intermediate or hard grade.

CONSTRUCTION JOINTS:- Construction joints between wingwall, footings and sidewalls shall be only where shown on plans.

SPECIFICATIONS:- Arkansas State Highway Commission Standard Specifications for Highway Construction and applicable Special Provisions.

UNIT STRESSES:-
Class S Concrete (n=10) 1200#/□"
Reinforcing Steel 20,000#/□"

NOTE:- This drawing to be used in conjunction with Standard Barrel Sections, Drawing Nos. as listed below.

Singles	Doubles	Triples	Quadruples	Quintuples
R-100X-0	R-200X-0	R-300X-0	R-400X-0	R-500X-0
R-100X-X1	R-200X-X1	R-300X-X1	R-400X-X1	R-500X-X1
R-100X-X2	R-200X-X2	R-300X-X2	R-400X-X2	
	R-200X-X3	R-300X-X3		

CLASS S CONCRETE

BAR LIST FOR ONE WING - 4 REQUIRED

F1 – Bent – In bottom of footing, bent up into back face of wing. One bar of each length.
F2 – Bent – In bottom of footing, bent up into back face of wing. Alt. with F1 bars.
F5 – Straight – Longitudinal in top of wing footing heel.
F6 – Straight – Longitudinal in bottom of wing footing toe.
H1 – Straight – Horizontal in back face of wing.
H2 – Straight – Horizontal in back face of wing. One bar of each length.
H3 – In back face of wing at top - on slope.
H4 – Bent – Dowels thru construction joint at headwall.

Clear Height H	F1 Size	F1 Spacing	F1 No. Req'd	F1 Lengths Vary Min.	F1 Lengths Vary Max.	F1 X Min.	F1 X Max.	F1 Y Min.	F1 Y Max.	F2 Size	F2 Spacing	F2 No. Req'd	F2 Length	F2 X	F2 Y	F5 Size	F5 No. Req'd	F5 Length	F6 Size	F6 No. Req'd	F6 Length	H1 Size	H1 Spacing	H1 No. Req'd	H1 Length	H2 Size	H2 Spacing	H2 No. Req'd	H2 Lengths Vary Max.	H2 Lengths Vary Min.	H3 Size	H3 No. Req'd	H3 Length	H4 Size	H4 Spacing	H4 No. Req'd	H4 Length	H4 X	Quantity Reinforcing Steel per Wing LB.
2'	#3	12"	8	1'-6"	3'-10"	0'-8"	1'-0"	0'-11"	2'-11"	—	—	—	—	—	—	#3	1	9'-8"	#3	2	8'-6"	#3	12"	1	7'-2"	#3	12"	1	—	4'-0"	#3	1	7'-4"	#3	12"	2	2'-8"	1'-4"	27.0
3'	#3	12"	10	2'-2"	5'-2"	0'-10"	1'-3"	1'-5"	4'-0"	—	—	—	—	—	—	#3	1	12'-0"	#3	2	11'-0"	#3	12"	1	9'-6"	#3	12"	2	7'-6"	4'-0"	#3	1	9'-9"	#3	12"	3	2'-8"	1'-4"	41.1
4'	#3	12"	13	2'-4"	6'-6"	0'-11"	1'-7"	1'-6"	5'-0"	—	—	—	—	—	—	#3	1	14'-4"	#3	3	13'-6"	#3	12"	1	11'-10"	#3	12"	3	10'-11"	4'-0"	#3	1	12'-2"	#3	12"	4	2'-8"	1'-4"	63.7
5'	#3	12"	15	2'-11"	7'-10"	1'-1"	1'-11"	1'-11"	6'-0"	#3	12"	4	3'-6"	1'-1"	2'-6"	#3	1	16'-8"	#3	3	16'-0"	#3	12"	2	14'-2"	#3	12"	3	10'-11"	4'-0"	#3	1	14'-7"	#3	12"	5	2'-8"	1'-4"	89.5
6'	#4	12"	17	3'-6"	9'-3"	1'-2"	2'-3"	2'-5"	7'-1"	#3	12"	4	4'-6"	1'-4"	3'-3"	#3	1	19'-0"	#3	3	18'-6"	#3	12"	2	16'-6"	#3	12"	4	14'-4"	4'-0"	#3	1	17'-0"	#3	12"	6	2'-8"	1'-4"	145.8
7'	#4	12"	20	3'-9"	10'-9"	1'-3"	2'-9"	2'-7"	8'-1"	#4	12"	7	5'-6"	1'-7"	4'-0"	#4	1	21'-4"	#4	4	21'-0"	#4	12"	2	18'-9"	#4	12"	5	17'-9"	4'-0"	#4	1	19'-5"	#4	12"	7	3'-6"	1'-9"	283.7
8'	#4	12"	22	4'-4"	12'-3"	1'-5"	3'-2"	3'-0"	9'-2"	#4	12"	10	6'-6"	1'-10"	4'-9"	#4	1	23'-8"	#4	4	23'-9"	#4	12"	3	21'-1"	#4	12"	5	17'-9"	4'-0"	#4	1	21'-10"	#4	12"	8	3'-6"	1'-9"	356.4

BAR BENDING DIAGRAMS: F1 & F2 (Y, X, 3" Pin); H4 (X, 7/12).
NOTE:- Dimensions are to bar centers.

Designed By:- W.C.H. 8-20-62. Checked By:- RHS 1-9-63
Drawn By:- W.C.H. 12-4-62. Checked By:- RHS 1-31-63
Quantities By:- W.C.H. 12-14-62. Checked By:- RHS. Rechecked By:- RHS 3-29-63

REVISIONS:- Membrane added. 5-10-66 W.C.H.

ARKANSAS STATE HIGHWAY COMMISSION

DETAILS OF STANDARD WINGS
FOR
REINFORCED CONCRETE BOX CULVERTS

4', 5', 6', 7', 8', 9', 10', 11' & 12' SPANS — 3:1 SLOPES
SINGLES, DOUBLES, TRIPLES, QUADRUPLES & QUINTUPLES. — ALL DEPTHS OF COVER FOR H = 8'-0" OR LESS

STANDARD DRAWING NO. W-X003-1

MYLAR

REINFORCED CONCRETE BOX CULVERT AND WINGWALL DETAIL

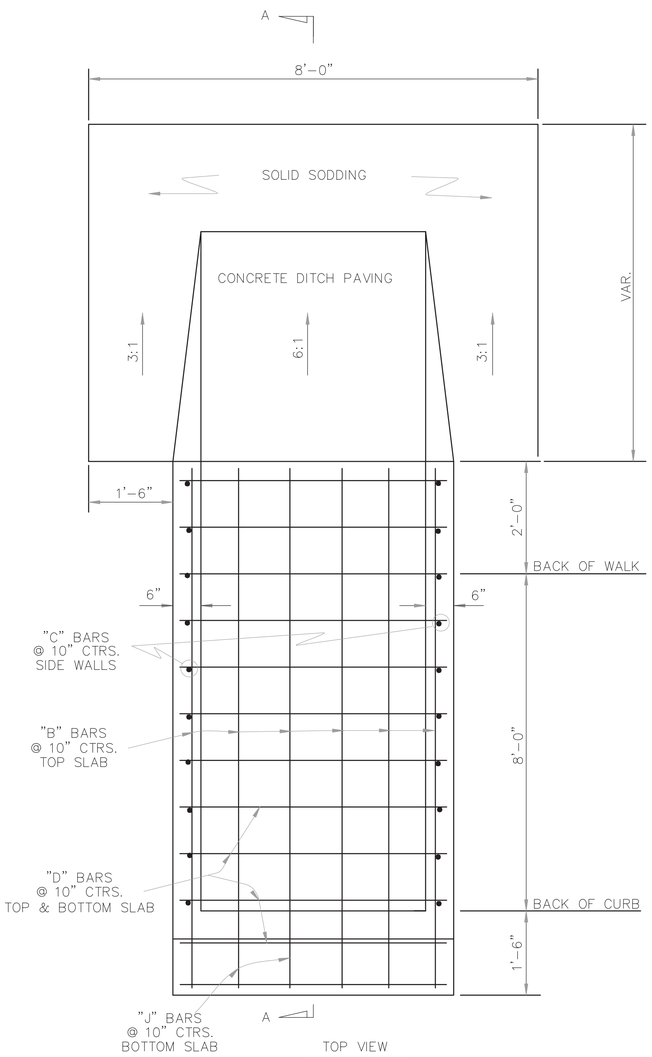
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
SPECIAL DETAILS (1)

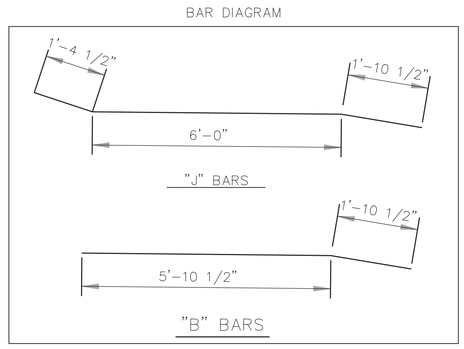
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

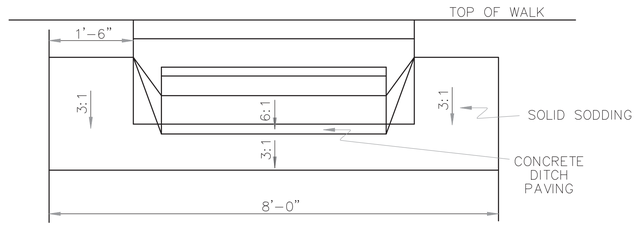
STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 13640 BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	N.T.S.
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C7

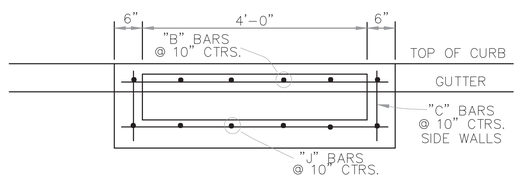


TOP VIEW

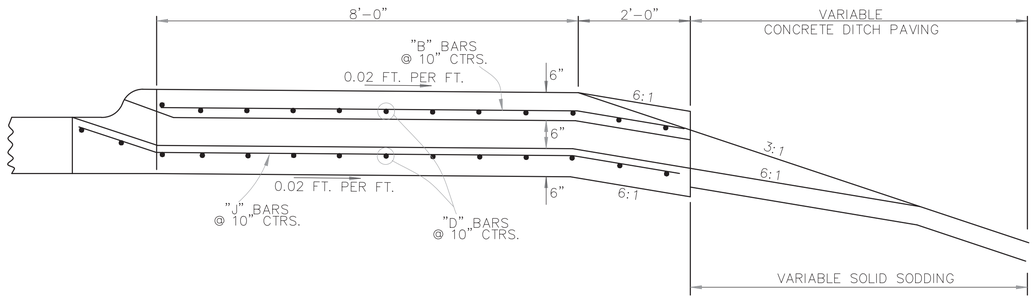




BACK VIEW



FRONT VIEW



SECTION A–A

CLASS A CONC.	REINF. STEEL–RDWY GRADE 60
CU. YDS.	POUND
1.90	155

QUANTITIES FOR INFORMATION ONLY.

GENERAL NOTES:

1. ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
2. ALL REINF. BARS SHALL BE #4 AND HAVE 1 1/2" COVER.
3. DROP INLETS AND EXTENSION ON CURVED SECTIONS SHALL CONFORM TO THE CURVATURE OF THE CURB.
4. DURING CONSTRUCTION OF THE ROADWAY THE CONTRACTOR SHALL MAINTAIN DRAINAGE INTO OR AROUND THE DROP INLET IF AND WHERE APPROVED BY THE ENGINEER.
5. PAYMENT FOR CURB AND/OR CURB AND GUTTER WITHIN THE LIMITS OF DROP INLETS AND DROP INLET EXTENSIONS SHALL BE CONSIDERED INCLUDED IN PAYMENT MADE FOR DROP INLETS AND/OR DROP INLET EXTENSIONS.
6. PAYMENT FOR CONCRETE DITCH PAVING & SOLID SODDING SHALL BE PAID FOR SEPARATELY.
7. SEE STANDARD DRAWING FPC–9E FOR EXTENSIONS.

DROP INLET TYPE SPECIAL

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

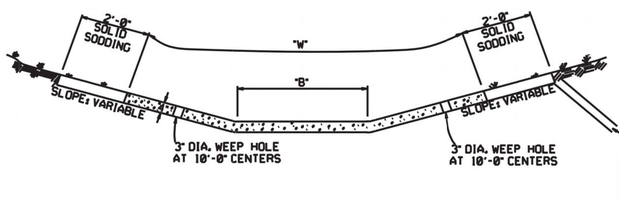
SPECIAL DETAILS (2)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

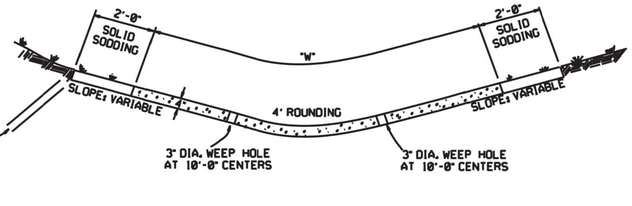
DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	N.T.S.
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C8

SEE SHEET C13 FOR CONCRETE DITCH DIMENSIONS.



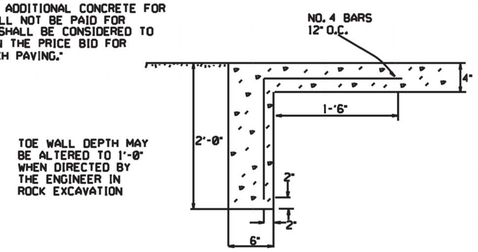
TYPE A

TYPE B CONCRETE DITCH NOT TO BE USED. REFERENCE TYPE A.

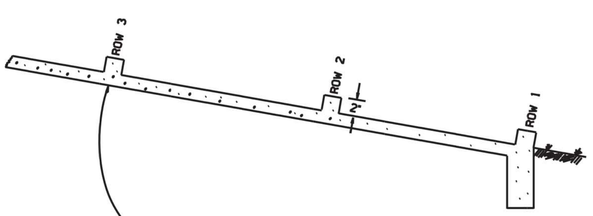


TYPE B

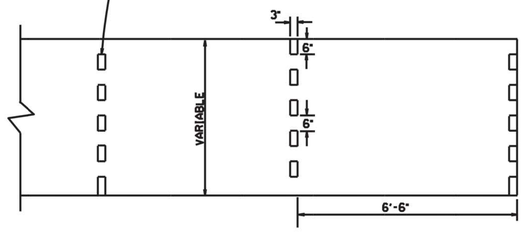
THE STEEL AND ADDITIONAL CONCRETE FOR THE WALLS SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID FOR "CONCRETE DITCH PAVING."



TOE WALL DETAIL FOR CONCRETE DITCH PAVING



NUMBER OF ELEMENTS PER ROW VARIES WITH WIDTH OF PAVING SPECIFIED



ENERGY DISSIPATORS
(NO SCALE)

ENERGY DISSIPATORS TO BE USED FOR THE ENTIRE LENGTH OF DITCH WHEN SLOPE OF DITCH PAVING EXCEEDS 7%. THE DISSIPATORS WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID FOR CONCRETE DITCH PAVING.

GENERAL NOTES:

THE FULL WIDTH OF EACH SECTION SHALL BE POURED MONOLITHICALLY.

TOE WALLS TO BE CONSTRUCTED FULL WIDTH AT EACH END OF DITCH PAVING, AND POURED MONOLITHICALLY.

SOLID SOD ALONG DITCH PAVING TO BE PLACED WITHIN 14 DAYS OF DITCH PAVING CONSTRUCTION.

1" WIDE TRANSVERSE EXPANSION JOINTS SHALL BE PLACED IN CONCRETE DITCH PAVING AT 45' INTERVALS. THE SPACE SHALL BE FILLED WITH APPROVED JOINT FILLER COMPLYING WITH AASHTO M213.

DATE	REVISION	DATE FILM'D
12-8-16	CORRECTED ENERGY DISSIPATOR DRAWING AND NOTE	
11-17-10	ADDED GENERAL NOTE	
6-2-94	ADDED GENERAL NOTE ABOUT SOLID SODDING	
11-30-8	ELIMINATED MIN. ROWS OF ELEMENTS	111-30-89
7-15-88	REVISED DISSIPATOR NOTE	855-7-15-88
4-5-87	REVISED ENERGY DISSIPATOR	671-4-5-87
1-9-87	MODIFIED NOTE ON ENERGY DISS.	832-1-9-87
11-3-86	ADDED NOTE TO ENERGY DISS.	799-12-1-86
11-1-84	ENERGY DISSIPATOR DETAILS ADDED	508-11-1-84
11-1-84	EXCAVATION DETAILS ADDED TYPES A & B	
10-2-72	REVISED AND REDRAWN	508-10-2-72

ARKANSAS STATE HIGHWAY COMMISSION

CONCRETE DITCH PAVING

STANDARD DRAWING CDP-1

CONCRETE DITCH PAVING

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

SPECIAL DETAILS (3)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
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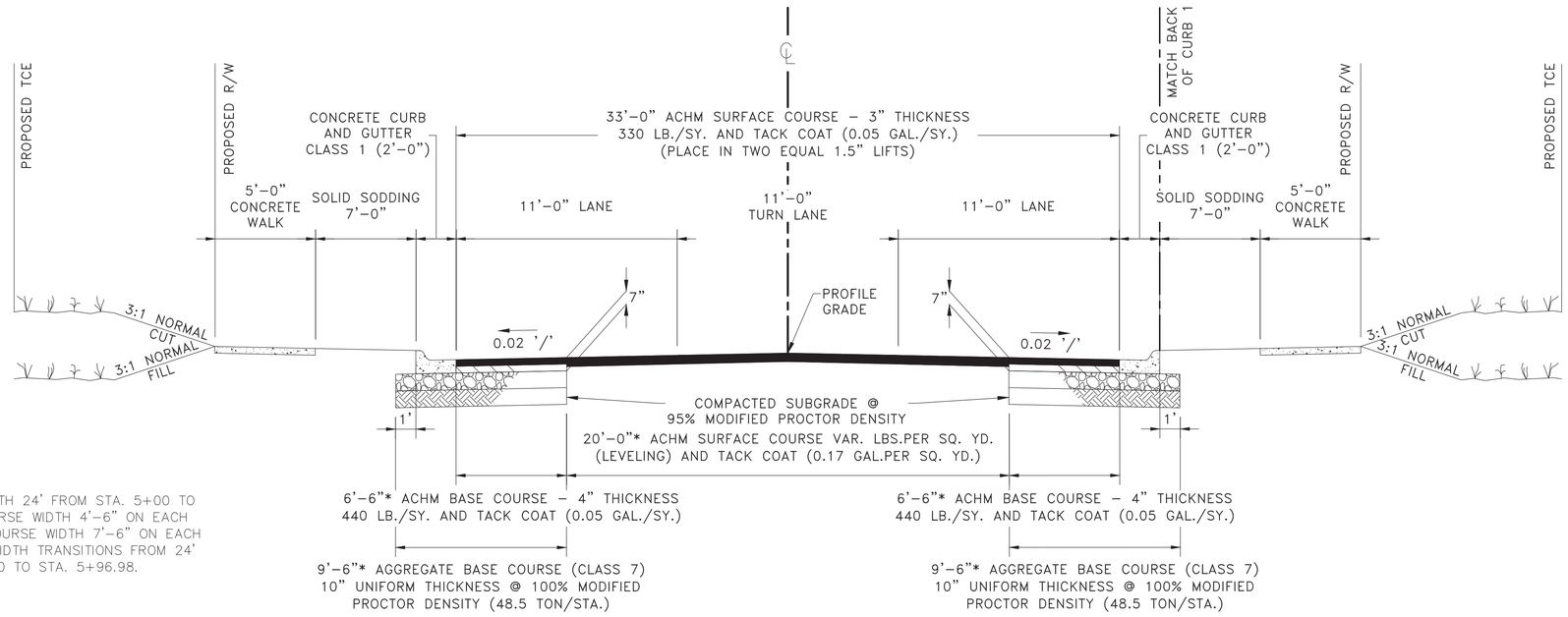
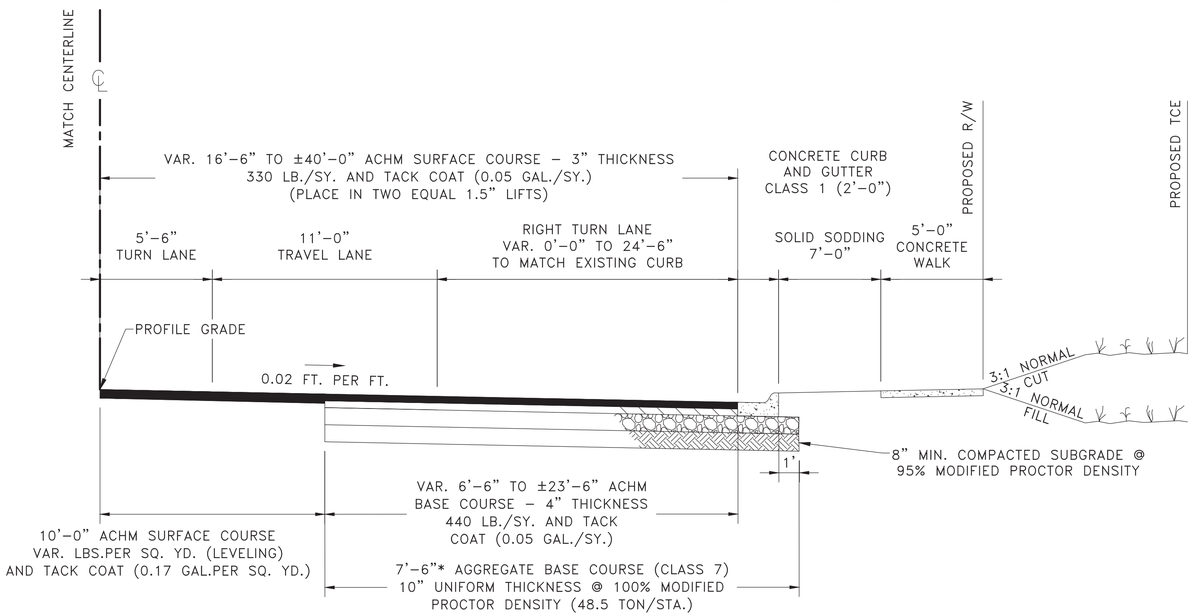
DATE	1-28-2020
SCALE	N.T.S.
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C9



NOTES:
* NOTCH AND WIDEN WIDTH 24' FROM STA. 5+00 TO 5+76.80. ACHM BASE COURSE WIDTH 4'-6" ON EACH SIDE; AGGREGATE BASE COURSE WIDTH 7'-6" ON EACH SIDE. NOTCH AND WIDEN WIDTH TRANSITIONS FROM 24' TO 20' FROM STA. 5+76.80 TO STA. 5+96.98.

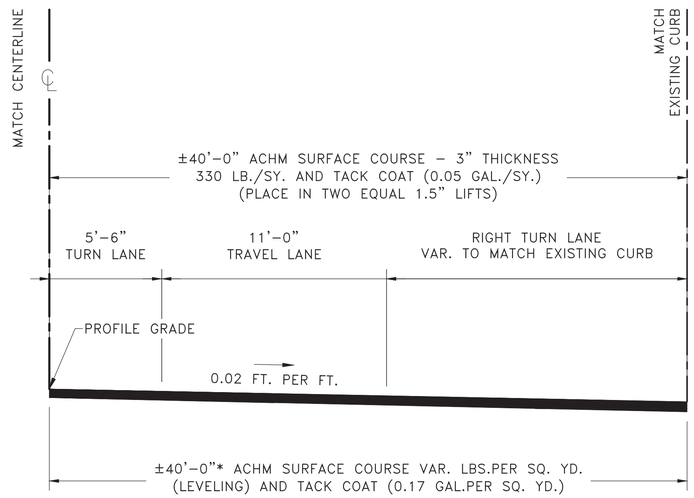
TYPICAL SECTION-CHICOT ROAD

STA 5+00.00 TO STA. 20+06.78 - FULL SECTION
STA. 15+56.97 TO STA. 17+53.77 - LT. OF ℄
STA. 17+53.77 TO STA. 20+06.78 - LT. OF BACK OF CURB 1



TYPICAL SECTION-CHICOT ROAD

STA 15+56.97 TO STA. 16+14.81 - RT. OF ℄



TYPICAL SECTION-CHICOT ROAD

STA 16+14.81 TO STA. 17+53.77 - RT. OF ℄

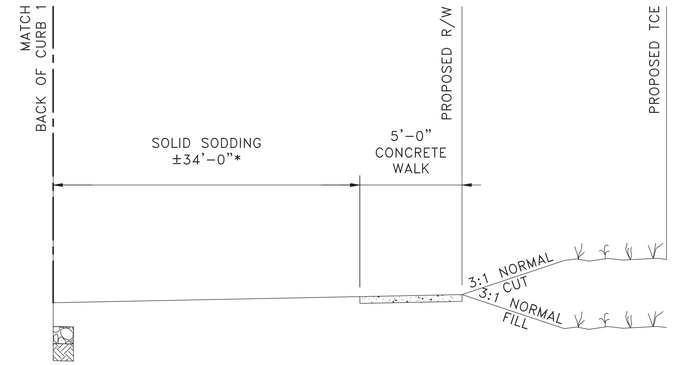
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
TYPICAL SECTIONS (1)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
SYRON O. LAWRENCE
2/3/2020

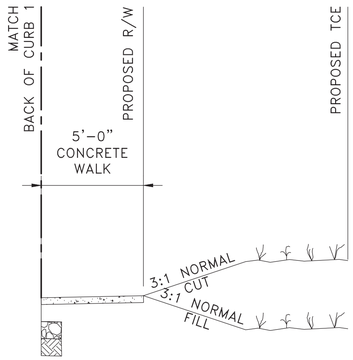
DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	N.T.S.
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C10



NOTES:
* BEGINS TO TRANSITION FROM 34' TO 0' FROM STA. 18+62.50 TO STA. 18+85.92

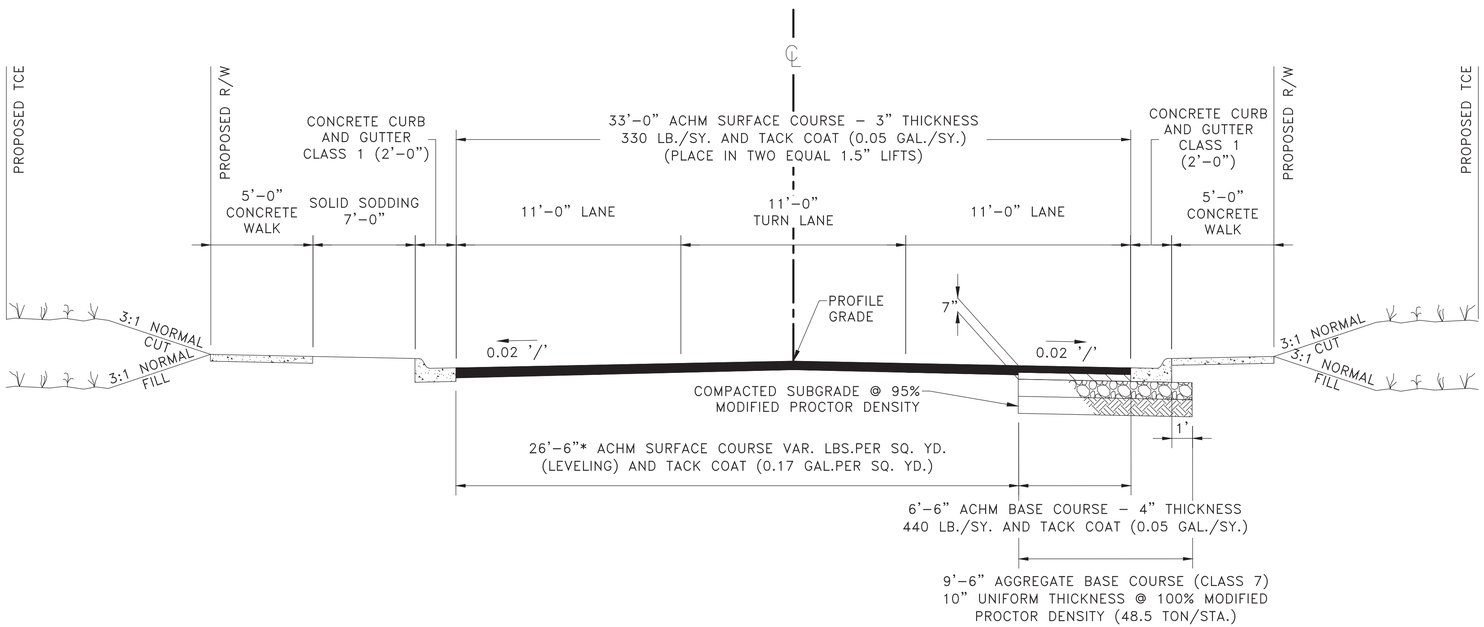
TYPICAL SECTION–CHICOT ROAD

STA 17+53.77 TO STA. 18+85.92 – RT. OF BACK OF CURB



TYPICAL SECTION–CHICOT ROAD

STA 18+85.92 TO STA. 20+06.78 – RT. OF BACK OF CURB



TYPICAL SECTION–CHICOT ROAD

STA 20+06.78 TO STA. 20+99.38

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

TYPICAL SECTIONS (2)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
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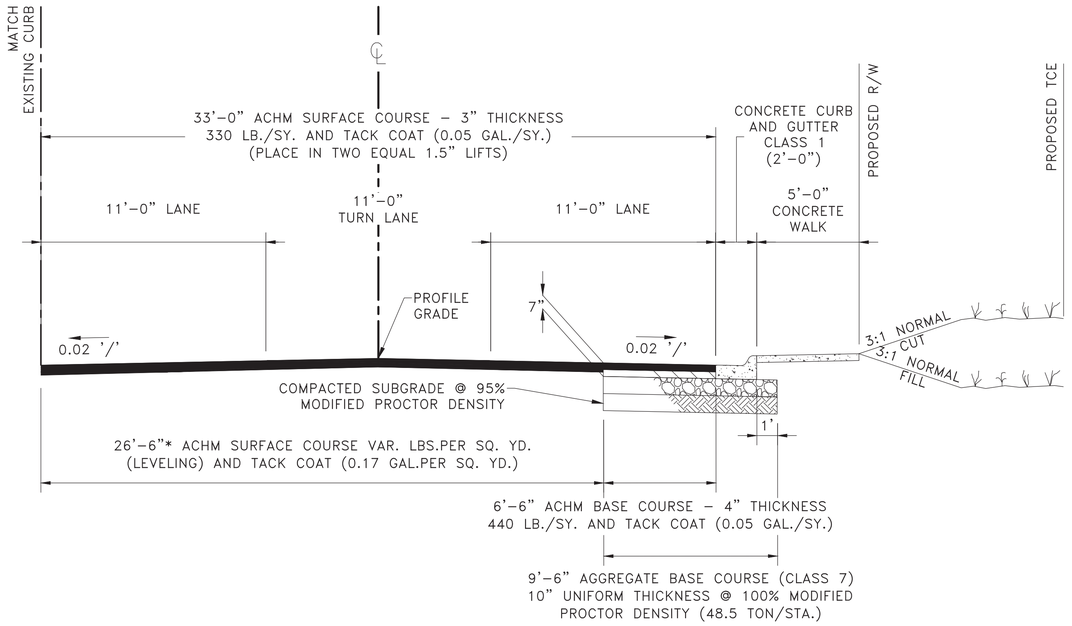
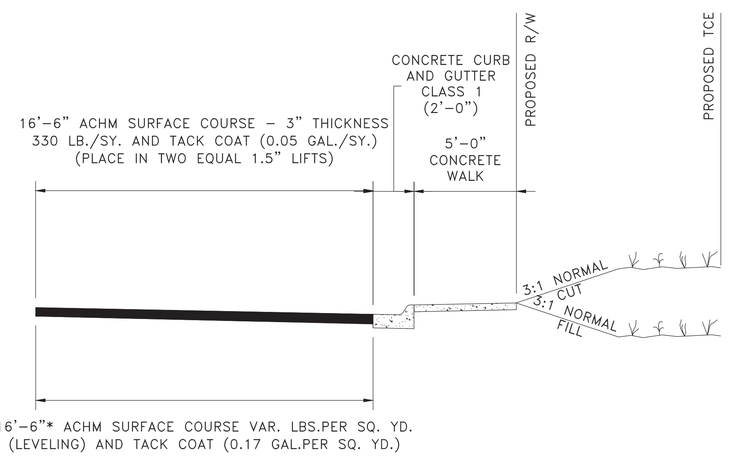
SCALE	N.T.S.
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C11



TYPICAL SECTION–CHICOT ROAD

STA 20+99.38 TO STA. 24+64.21
STA. 24+64.21 TO STA. 27.42.60 – LT. OF ℄
STA. 27+42.60 TO STA. 28+55.12



TYPICAL SECTION–CHICOT ROAD

STA. 24+64.21 TO STA. 27+42.60 – RT. OF ℄

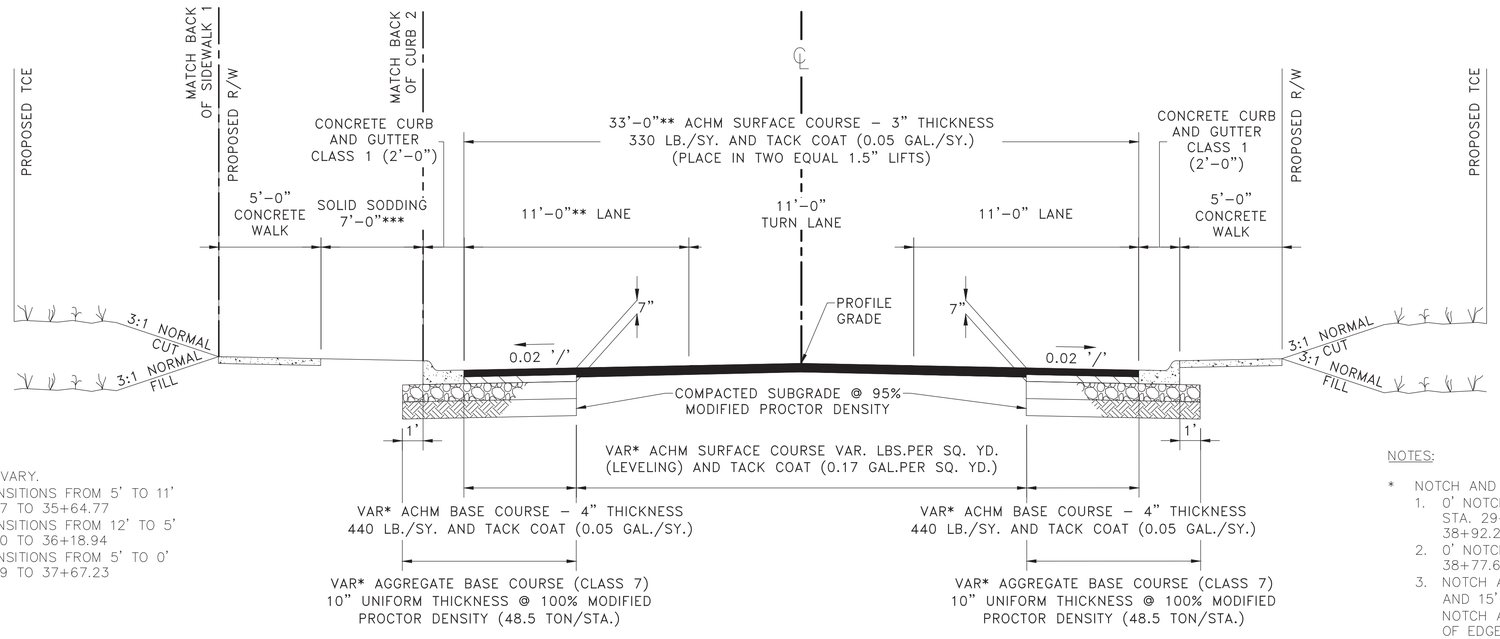
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
TYPICAL SECTIONS (3)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	N.T.S.
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C12



NOTES:

*** SOLID SODDING WIDTHS VARY.
1. SOLID SODDING TRANSITIONS FROM 5' TO 11' FROM STA. 34+42.07 TO 35+64.77
2. SOLID SODDING TRANSITIONS FROM 12' TO 5' FROM STA. 35+93.80 TO 36+18.94
3. SOLID SODDING TRANSITIONS FROM 5' TO 0' FROM STA. 37+48.99 TO 37+67.23

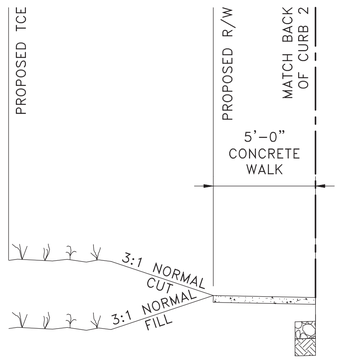
NOTES:

* NOTCH AND WIDEN WIDTH VARIES.
1. 0' NOTCH AND WIDEN ON RIGHT SIDE FROM STA. 29+76.96 TO STA. 33+78.03 AND STA. 38+92.28 TO STA. 39+25.00
2. 0' NOTCH AND WIDEN ON LEFT SIDE FROM STA. 38+77.61 TO STA. 39+25.00.
3. NOTCH AND WIDEN WIDTH VARIES BETWEEN 4' AND 15' REMAINDER OF SECTION, IN 4' TO 15' NOTCH AND WIDEN SECTION SAW-CUT 1' INSIDE OF EDGE OF EXISTING PAVEMENT FOR NOTCH AND WIDEN LIMITS.

** FROM STA. 35+13.63 TO 39+25.00 THE LEFT SIDE TRAVEL LANE WIDTH TRANSITIONS FROM 11' TO 22'-6" AND THE ASPHALT SECTION WIDTH TRANSITIONS FROM 33' TO 44'-6".

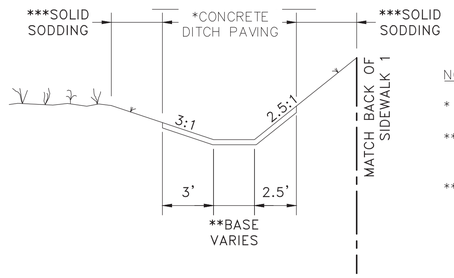
TYPICAL SECTION-CHICOT ROAD

STA 29+76.96 TO STA. 39+25.00
STA. 29+66.00 TO STA. 31+90.00 - LT. OF BACK OF SIDEWALK 1
STA. 37+67.23 TO STA. 39+25.00 - RT. OF BACK OF CURB 2



TYPICAL SECTION-CHICOT ROAD

STA 37+67.23 TO STA. 39+25.00 - LT. OF BACK OF CURB LT.



NOTES:

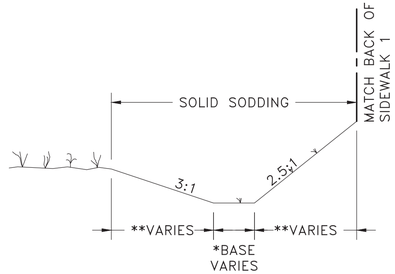
* SEE ARDOT STANDARD DRAWING CDP-1 (SHEET C9).

** BASE VARIES FROM 7'-4" AT STA. 29+66 TO 4'-8½" AT STA. 29+77.

*** SOLID SODDING VARIES FROM 5'-4 9/16" TO 5'-11 3/8" (LT.) AND 8'-10 13/16" TO 9'-4 1/16" (RT.)

TYPICAL SECTION-CHICOT ROAD

STA. 29+66.00 TO STA. 29+77.00 - LT. OF BACK OF SIDEWALK 1



NOTES:

* BASE TRANSITIONS FROM 4'-8½" AT STA. 29+77 TO 2'-0" AT STA. 29+90. BASE REMAINS 2'-0" TO STA. 31-90.

** SOLID SODDING VARIES FROM 5'-4 5/16" TO 10'-2 5/8" (LT.) AND 11'-1 9/16" TO 15'-¼" (RT.).

TYPICAL SECTION-CHICOT ROAD

STA 29+77 TO STA. 31+90 - LT. OF BACK OF SIDEWALK 1

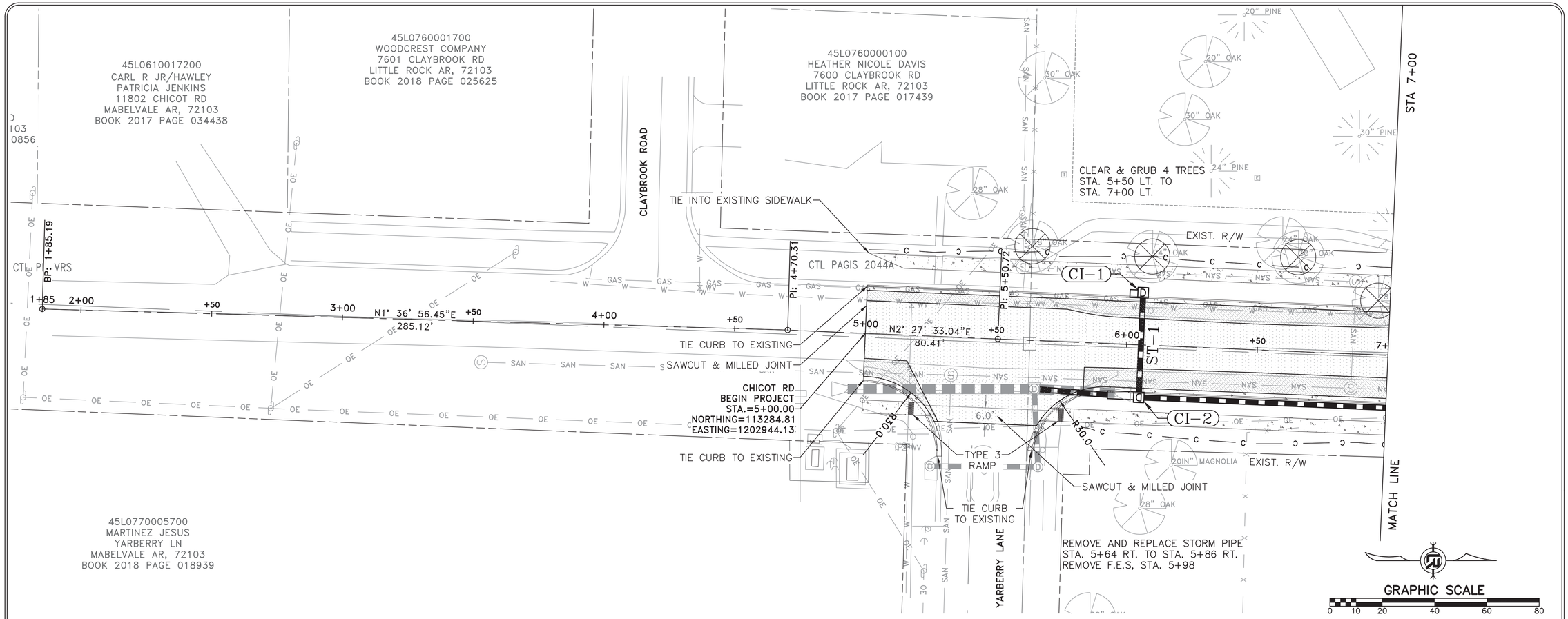
REVISIONS	DATE

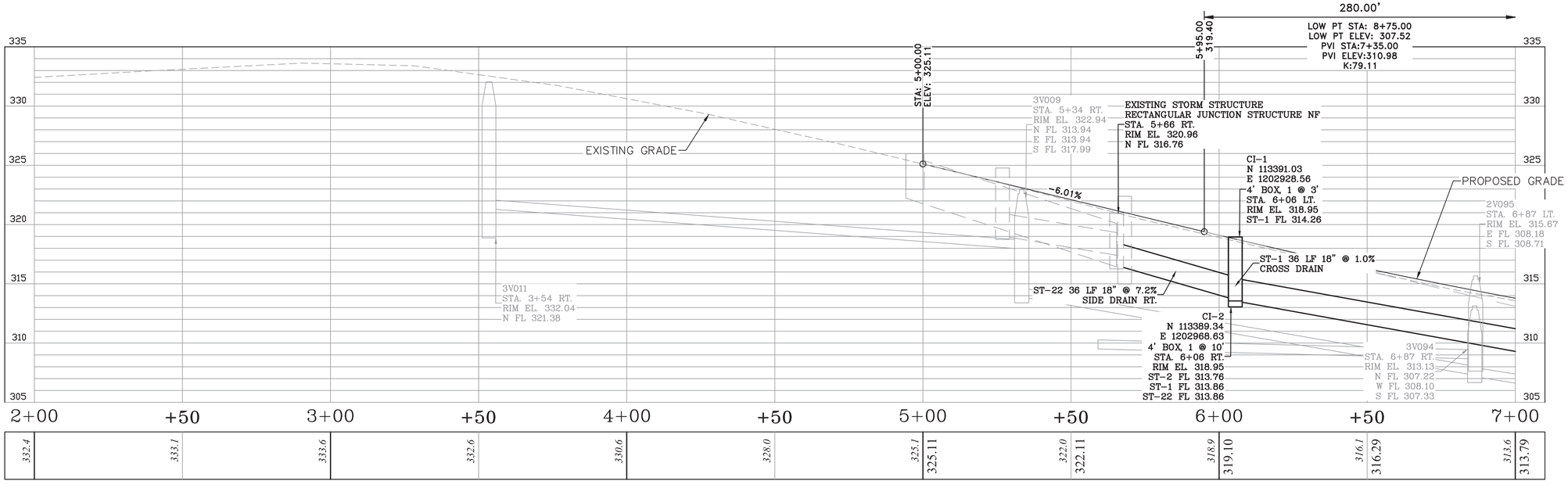
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
TYPICAL SECTIONS (4)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	N.T.S.
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C13





CHICOT RD

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

PLAN AND PROFILE SHEET (1)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

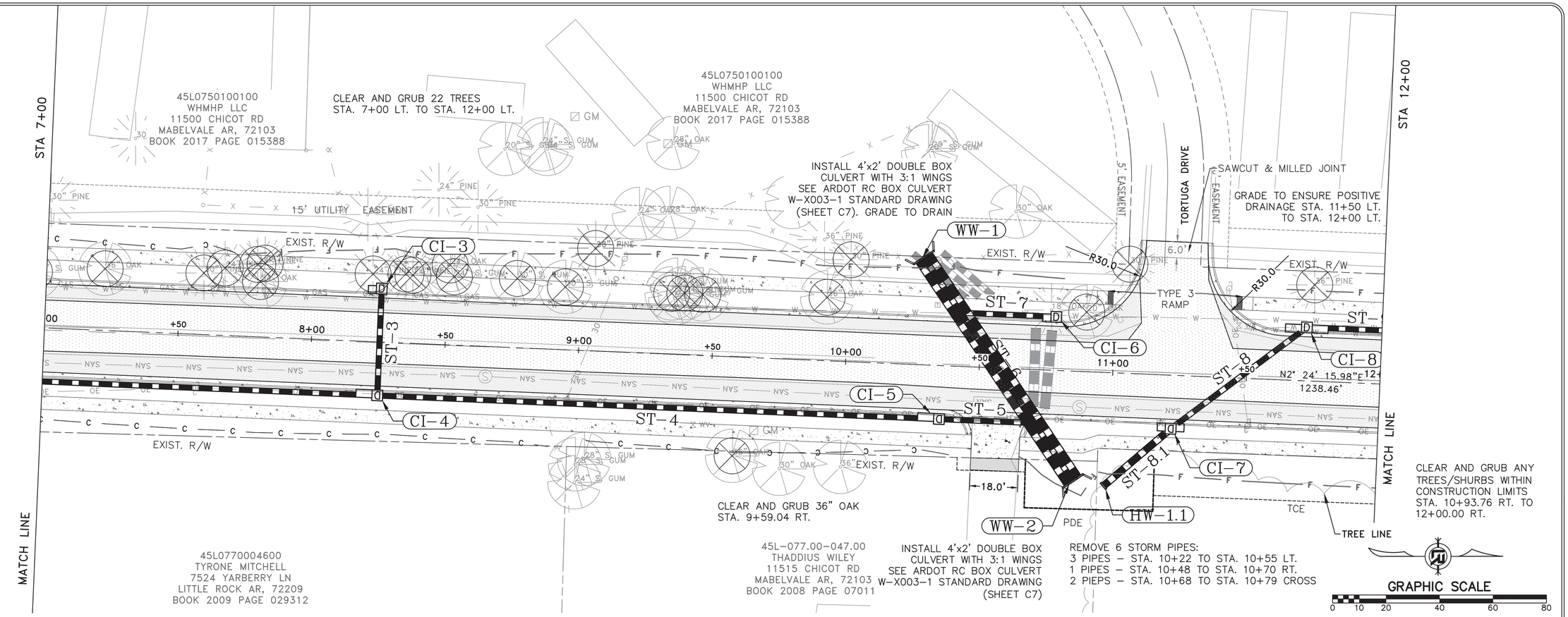
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

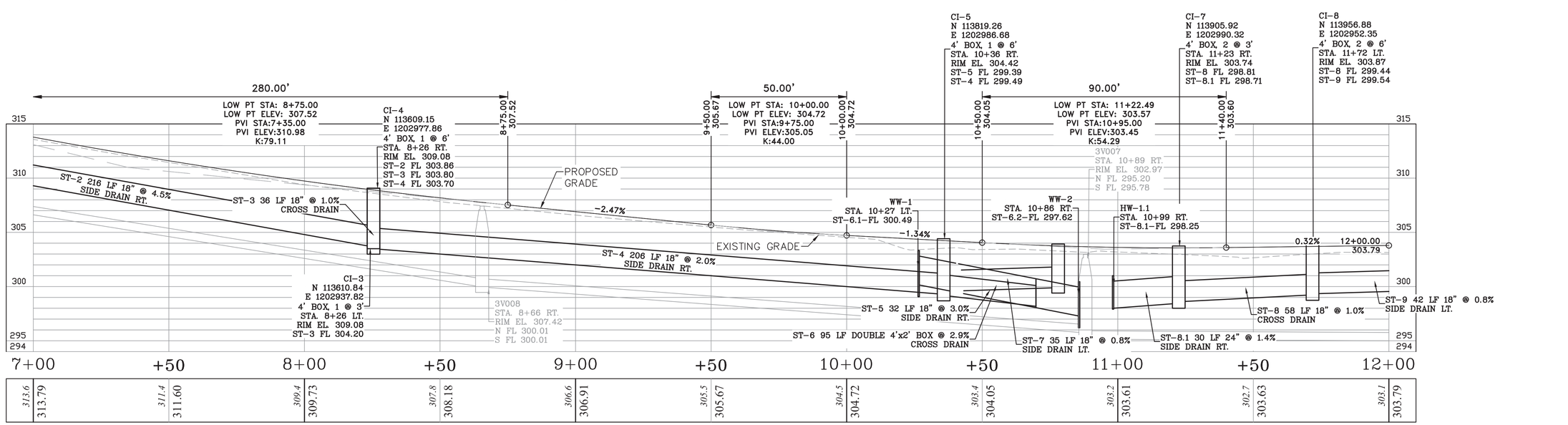
DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C14

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

PLAN AND PROFILE SHEET (2)



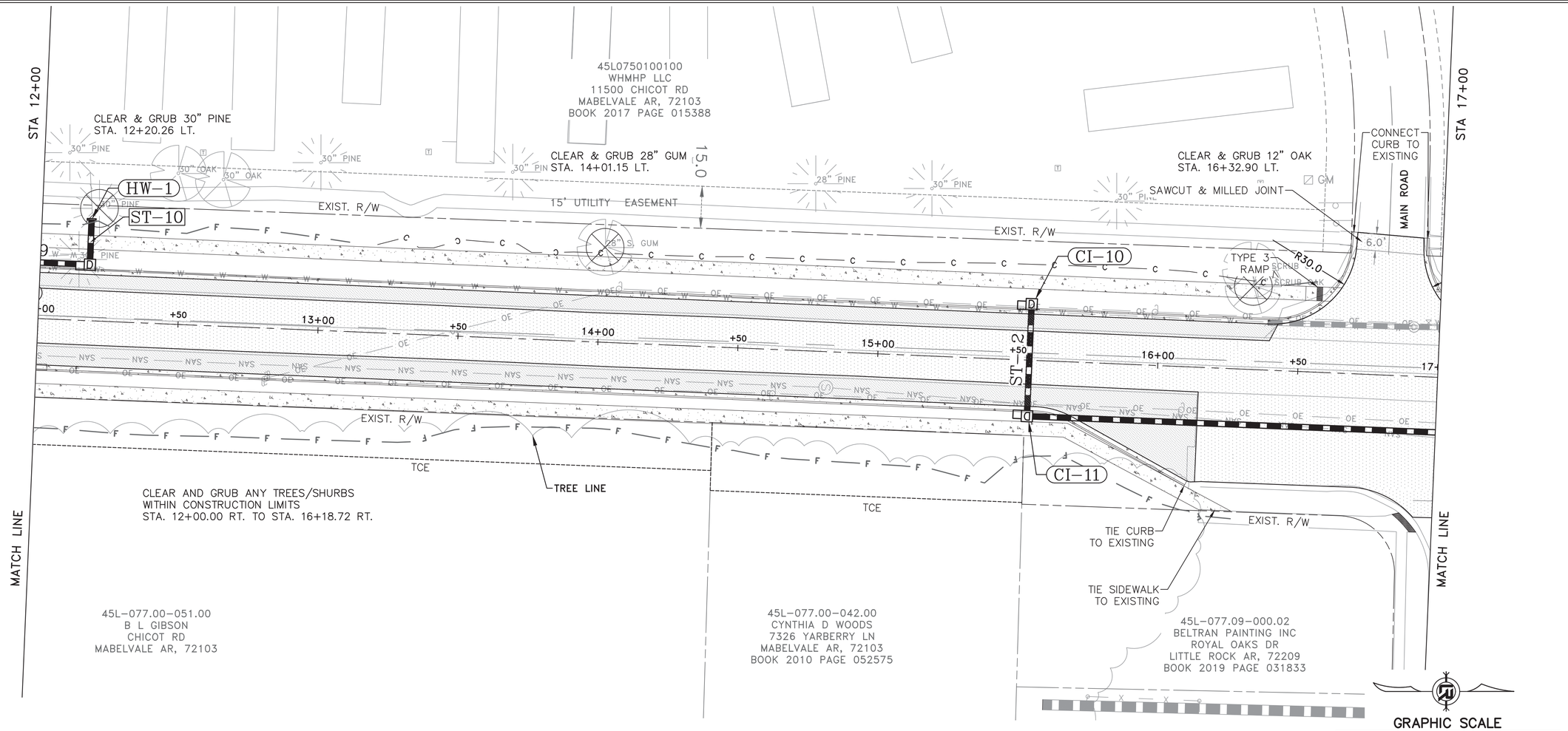


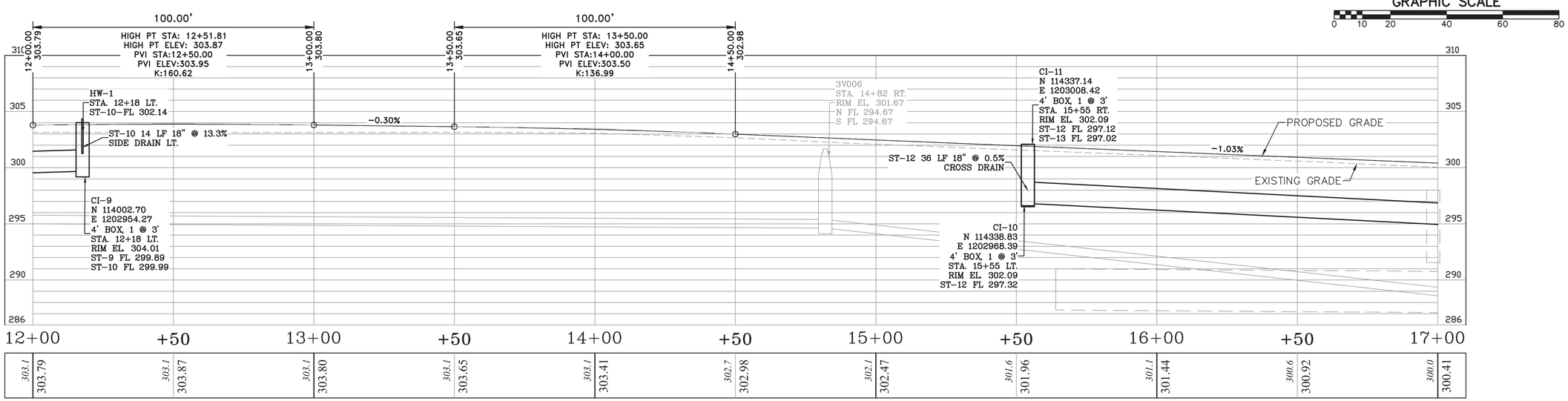
CHICOT RD

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C15





CHICOT RD

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

PLAN AND PROFILE SHEET (3)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BRYON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C16

CLEAR & GRUB 3 PINE TREES
STA. 18+53.29 LT. TO
STA. 18+60.60 LT.

45L0750100100
WHMHP LLC
11500 CHICOT RD
MABELVALE AR, 72103
BOOK 2017 PAGE 015388

45L0610009200
TYLER RONNIE J/KAREN L
11224 CHICOT RD
MABELVALE, AR 72103
BOOK 2005 PAGE 088861

CLEAR & GRUB 28" OAK
STA. 19+92.16 LT.

REMOVE 2 STORM PIPES:
1 PIPE – STA. 18+74 LT.
1 PIPE – STA. 20+02 TO STA. 20+24 CROSS

CLEAR & GRUB 2 PINE TREES
STA. 17+29.16 LT. AND
STA. 17+38.93 LT.

CLEAR & GRUB 28" PINE
STA. 19+54.45 LT.

STA 17+00

STA 22+00

TYPE 3 RAMP

R30.0

15' UTILITY EASEMENT

15.0

HW-2

13.0'

EXIST. R/W

ST-14

TIE TO EXISTING SIDEWALK

TIE CURB TO EXISTING

MILL EXISTING ASPHALT TO TIE OVERLAY

PI: 17+89.18

CI-12

18+00

19+00

N1° 57' 21.27"E
305.41'

20+00

CI-14

PI: 20+94.59

21+00

N1° 33' 21.67"E
82.49'

PC: 21+77.08

ST-13

ST-16

ST-17

CI-15

SAWCUT & MILLED JOINT

6.0'

CI-13

EXIST. R/W

TCE

TYPE 3 RAMP

SHADY GROVE ROAD

20.0'

ROYAL OAKS DRIVE

TIE CURB TO EXISTING

MATCH LINE

45L-077.09-000.02
BELTRAN PAINTING INC
ROYAL OAKS DR
LITTLE ROCK AR, 72209
BOOK 83 PAGE 025371

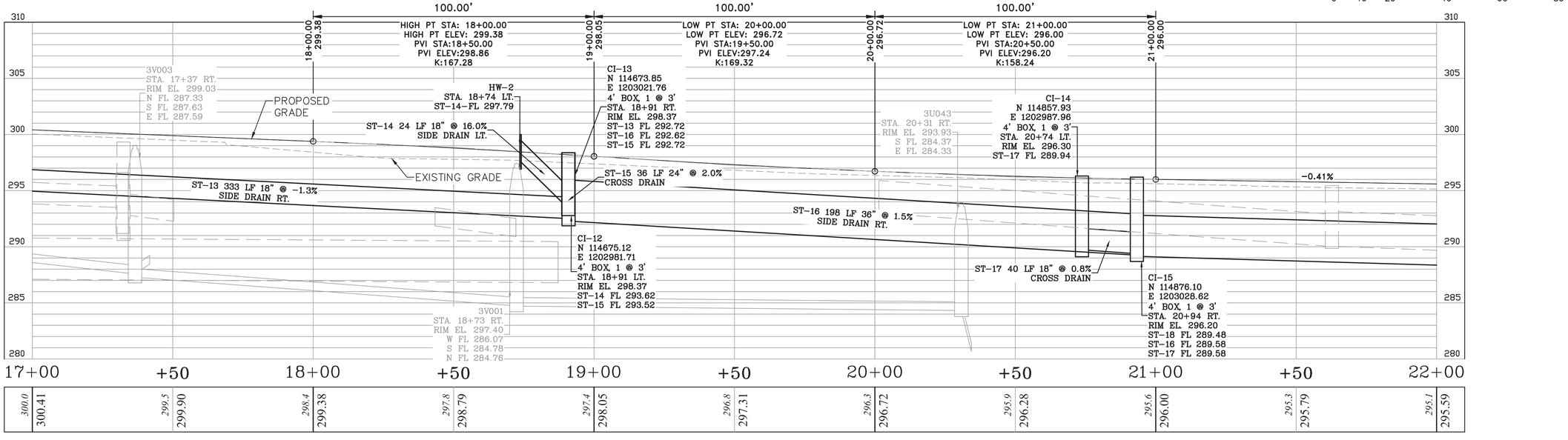
45L-084.00-001.00
SWLR PROPERTIES LLC
7525 SHADY GROVE RD
LITTLE ROCK AR, 72209-8780
BOOK 2018 PAGE 056988

SAWCUT & MILLED JOINT

CLEAR & GRUB 36" PINE
STA. 19+74.37 RT.

45L-084.00-002.00
LAUREL SANDRA BEARDEN REVO TR
7524 SHADY GROVE LN
LITTLE ROCK AR, 72209-8778
BOOK 2006 PAGE 04222

GRAPHIC SCALE
0 10 20 40 60 80



CHICOT RD

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
PLAN AND PROFILE SHEET (4)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON D. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C17

45L0610009400
LITTLE ROCK SCHOOL DIST
1112 CHICOT RD
MABELVALE, AR 72103
BOOK 2008 PAGE 062281

45L0610009400
LITTLE ROCK SCHOOL DIST
1112 CHICOT RD
MABELVALE, AR 72103
BOOK 2008 PAGE 062281

STA 27+00

STA 27+00

MATCH LINE

MATCH LINE

EXIST. R/W

EXIST. R/W

P.I.=22+34.40
D.O.C.=0°30'00"
DELTA=0°34'24"
T=57.32
R=11459.16
L=114.65
P.C.=21+77.08
P.T.=22+91.72

PT: 22+91.72

PI: 24+83.87

PC: 26+44.63

23+00 +50 24+00 +50 25+00 +50 26+00 +50 27+00

N0° 58' 58.05"E
192.15'

N0° 50' 47.34"E
160.76'

ST-18

ST-19

CI-16

CI-17

TCE
20.0'

TCE
20.0'

TCE
16.2'

TCE
12.1'

EXIST. R/W

EXIST. R/W

36" PINE

30" OAK

28" OAK

28" OAK

28" PINE

28" PINE

45L-077.00-032.00
BB HOMES INC
11121 CHICOT RD
LITTLE ROCK AR, 72103
BOOK 2018 PAGE 033600

CLEAR & GRUB 1 TREE
STA. 23+36.84 RT.

45L-077.00-028.00
GENARO ROSALES
11103 CHICOT RD
MABELVALE AR, 72103
BOOK 05 PAGE 042855

45L0770002900
JACKSON DENORMUS A
11019 CHICOT RD
MABELVALE, AR 72103
BOOK 83 PAGE 25371

P.I.=26+99.31
D.O.C.=1°15'00"
DELTA=1°22'02"
T=54.69
R=4583.66
L=109.37
P.C.=26+44.63
P.T.=27+53.99

GRAPHIC SCALE
0 10 20 40 60 80

50.00' | 240.00' | 100.00'

22+15.00 295.53 — HIGH PT STA: 22+15.00 — HIGH PT ELEV: 295.53 — PVI STA:22+40.00 — PVI ELEV:295.43 — K:4750.00

22+65.00 295.33

23+10.00 295.14

CI-16
N 115186.70
E 1203035.42
4' BOX, 1 @ 3'
STA. 24+04 RT.
RIM EL. 294.56
ST-18 FL 287.20
ST-19 FL 287.10

HIGH PT STA: 23+10.00
HIGH PT ELEV: 295.14
PVI STA:24+30.00
PVI ELEV:294.64
K:120.95

25+50.00 291.76

LOW PT STA: 26+50.00
LOW PT ELEV: 289.76
PVI STA:26+00.00
PVI ELEV:290.56
K:125.00

26+50.00 289.76

-0.42%

PROPOSED GRADE

EXISTING GRADE

ST-18 307 LF 36" @ 0.7%
SIDE DRAIN RT.

ST-19 296 LF 36" @ 1.3%
SIDE DRAIN RT.

3U044
STA. 22+10 RT.
RIM EL. 294.92
N FL 286.79

3U045
STA. 24+19 RT.
RIM EL. 296.24
N FL 283.85
S FL 283.98

300 295 290 285 280 277

22+00 +50 23+00 +50 24+00 +50 25+00 +50 26+00 +50 27+00

295.1	295.59	295.0	295.39	294.8	295.18	294.5	294.91	293.9	294.43	293.3	293.75
292.5	292.86	291.4	291.76	290.3	290.66	289.3	289.76	288.5	288.96		

CHICOT RD

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

PLAN AND PROFILE SHEET (5)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BRYON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C18

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

PLAN AND PROFILE SHEET (6)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

INSTALL 5'x3' DOUBLE BOX CULVERT WITH 3 3:1 WINGS SEE ARDOT RC BOX CULVERT W–X003–1 STANDARD DRAWING (SHEET C7) GRADE TO DRAIN; GRADE DOWN TO TOE

REMOVE 1 STORM PIPES STA. 10+26 LT.

REMOVE EXISTING SIDEWALK STA. 29+09 TO 32+00

INSTALL 5'x3' DOUBLE BOX CULVERT WITH 3:1 WING SEE ARDOT RC BOX CULVERT W–X003–1 STANDARD DRAWING (SHEET C7)

INSTALL OPEN CHANNEL DITCH CONCRETE DITCH PAVING STA. 29+63 TO 29+81 LT. EARTHEN CHANNEL STA. 29+63 TO 31+90 LT. (SEE SHEET C9, ARDOT STANDARD DRAWING CDP–1 AND TYPICAL SECTION SHEET C13)

OMIT BOX WING ON EAST SIDE, INSTALL HEADWALL AGAINST EXISTING BRIDGE WINGWALL, GROUT GAP

45L0610009500
BETHEL PRIM BAPTIST CH
10900 CHICOT RD
MABELVALE, AR 72103
BOOK 98 PAGE 66041

STA 27+00

STA 32+00

MATCH LINE

MATCH LINE

EXIST. R/W

PDE

TYPE 3 RAMP

ST–39

CI–32

WW–5

PI: 27+53.99

PI: 28+43.08

PC: 29+52.06

PI: 30+52.08

N2° 12' 48.99"E
89.08'

N2° 01' 09.84"E
108.99'

ST–20

CI–18

GI–30

CI–31

ST–21

ST–35

HW–3

19.4'

P.I.=30+02.07
D.O.C.=1°30'00"
DELTA=1°30'01"
T=50.01
R=3819.72
L=100.02
P.C.=29+52.06
P.T.=30+52.08

TURNBACK WALL
7'–6" WIDTH, 20 LF
STA. 28+33.29 TO STA. 28+53.29
SEE CLR STANDARD DETAIL PW–43

BRIDGE HANDRAIL
STA. 28+33.29 TO
STA. 29+25.12
SEE SHEET S12

TURNBACK WALL
7'–6" WIDTH, 20 LF
STA. 29+05.12 TO STA. 29+25.12
SEE CLR STANDARD DETAIL PW–43

CI–31 AND CI–32, SEE ARDOT DROP INLET TYPE SPECIAL SPECIAL DETAIL (SHEET C8)

GI–30, 4' BOX GRATE INLET, TYPE N–2 DROP INLET, SEE ARDOT STANDARD DRAWING FPC–9N

INSTALL 3'x2' BOX CULVERT (ST–21). SEE ARDOT RC BOX CULVERT W–X003–1 STANDARD DRAWING (SHEET C7) TIE INTO PROPOSED BRIDGE WING WALL, SEE SHEET S6

45L0770003300
TYLER JACK FAM LLC
CHICOT RD
MABELVALE, AR 72103
BOOK 2016 PAGE 093148

45L0770003100
MID–ARK PROPERTY & INVESTMENTS INC
10903 CHICOT RD
MABELVALE, AR 72103
BOOK 2017 PAGE 021952

GRAPHIC SCALE
0 10 20 40 60 80

50.00'

85.00'

200.00'

CI–17
N 115486.67
E 1203040.41
4' BOX, 1 @ 3'
STA. 27+04 RT.
RIM EL. 289.07
ST–19 FL 283.06
ST–20 FL 282.96

27+60.00
288.00

LOW PT STA: 28+10.00
LOW PT ELEV: 287.44
PVI STA:27+85.00
PVI ELEV:287.60
K:51.23

28+10.00
287.44

CI–18
N 115611.40
E 1203048.07
5' BOX, 1 @ 3'
STA. 28+30 RT.
RIM EL. 287.46
ST–20 FL 281.40
ST–21 FL 281.29

GI–30
N 115687.87
E 1203044.91
4' BOX, GRATE INLET
TYPE N–2 DROP INLET
SEE ARDOT STANDARD
DRAWING FPC–9N
STA. 29+06 RT.
RIM EL. 285.04
ST–35 FL 282.83

29+07.50
286.81

LOW PT STA: 29+07.50
LOW PT ELEV: 286.81
PVI STA:29+50.00
PVI ELEV:286.92
K:126.26

29+92.50
287.32

CI–32
N 115763.38
E 1203010.39
4' BOX, 1 @ 3'
STA. 29+80 LT.
RIM EL. 287.38
DROP INLET
TYPE SPECIAL

CI–31
N 115761.63
E 1203050.42
4' BOX, 1 @ 3'
STA. 29+80 RT.
RIM EL. 287.38
DROP INLET
TYPE SPECIAL

31+50.00
288.80

LOW PT STA: 31+50.00
LOW PT ELEV: 288.80
PVI STA:32+50.00
PVI ELEV:289.74
K:201.01

WW–5
STA. 31+90 LT.
ST–40–FL 284.00

PROPOSED GRADE

EXISTING GRADE

-1.60%

-0.62%

-0.72%

0.27%

0.94%

ST–20 121 LF 36" @ 1.3%
SIDE DRAIN RT.

ST–21 18 LF @ 10.0%
3'x2' BOX CULVERT
SIDE DRAIN RT.

ST–35 24 LF 12" @ 0.9%
SIDE DRAIN RT.

WW–6
STA. 29+66 LT.
ST–39–FL 282.77

WW–7
STA. 29+27 LT.
ST–39–FL 281.94

ST–39 39 LF @ 2.1%
5'x3' DOUBLE BOX
CULVERT LT.

3U046
STA. 27+17 RT.
RIM EL. 287.51
N FL 278.39
S FL 278.51
W FL 279.89
E FL 278.40

3U093
STA. 28+16 RT.
RIM EL. 285.99
N FL 278.44
S FL 278.46

HW–3
STA. 28+42 RT.
ST–21–FL 279.20

HW–8
STA. 29+16 RT.
ST–35–FL 282.58

3U094
STA. 29+27 RT.
RIM EL. 285.46
N FL 278.51
S FL 278.47

3U095
STA. 30+17 RT.
RIM EL. 286.63
N FL 278.77
S FL 278.74

295
290
285
280
275

27+00 +50 28+00 +50 29+00 +50 30+00 +50 31+00 +50 32+00

288.5	287.7	287.0	287.0	281.6	286.6	287.1	287.5	287.8	288.2	288.7
288.96	288.16	287.52	287.19	286.84	286.99	287.39	287.86	288.33	288.80	289.34

CHICOT RD

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C19

REMOVE 9 STORM PIPES – STA. 32+00 TO 37+00 LT.
REMOVE 4 STORM PIPES – STA. 32+00 TO 37+00 RT.

45L0610001700
WILLIAMS ALONZO D JR
10824 CHICOT RD
MABELVALE, AR 72103
BOOK 2007 PAGE 025037

45L0610001800
GRAY MICHAEL
10816 CHICOT RD
MABELVALE, AR 72103
BOOK 2013 PAGE 081903

45L0610001500
BRIXEY DONALD D INT VIV REVOC
10802 CHICOT RD
MABELVALE, AR 72103
BOOK 99 PAGE 080395

45L0610001900
STROUD JERRY & DEBRIE
10712 CHICOT
MABELVALE, AR 72103
BOOK 93 PAGE 85698

STA 32+00

STA 37+00

CI–33

CLEAR & GRUB 28" OAK
STA. 32+95.26 LT.

HW–5

SAWCUT & MILLED JOINT

HW–4

TYPE 3 RAMP

DEPRIEST DRIVE

CI–40

ST–40

ST–42

ST–44

ST–45

ST–47

ST–50

ST–41

ST–34

ST–43

ST–48

CI–34

CI–35

CI–36

JB–37

CI–39

AI–29

TYPE 3 RAMP

YORKWOOD DRIVE

EXIST. R/W

TCE

N3° 31' 10.73"E
494.13'

P.I.=35+97.61
D.O.C.=1°15'00"
DELTA=1°17'06"
T=51.40
R=4583.66
L=102.81
P.C.=35+46.21
P.T.=36+49.01

ABANDON 2 STORM PIPES IN PLACE
STA. 31+81 TO 33+68 RT.

SAWCUT & MILLED JOINT

TIE CURB TO EXISTING CTL F

45L0820000100
MONTOYA MANUEL/ELODIA
7501 YORKWOOD DR
LITTLE ROCK, AR 722090000
BOOK 2008 PAGE 053401

AREA INLET AI–29
SEE CLR DETAIL PW–6

REMOVE AND DISPOSE
EXISTING DRIVE ACCESS FROM
STA. 33+78.93 TO 33+95.81

CLEAR AND GRUB 12" CHERRY
STA. 34+27.29 RT.

NO IMPACT TO BE MADE TO
OAK TREETS STA. 33+78 RT.
TO STA. 34+61 RT.

45L0770002700
BENETZ DANA ELLEN
10813 CHICOT RD
MABELVALE, AR 72103
BOOK 2018 PAGE 015992

REMOVE 28" PINE TREE AT
STA. 34+98 RT. PER
OWNER'S REQUEST

45L0770002600
JONES ANGELA
10801 CHICOT RD
MABELVALE, AR 72103
BOOK 02 PAGE 134929

CLEAR AND GRUB 24" OAK
STA. 35+45.61 RT.

JB–37, SEE JUNCTION BOX IN
ROADWAY CLR DETAIL PW–11

CI–40, SEE DRAINAGE INLET
WHERE IN CURB RADIUS CLR
DETAIL PW–10

45L0770002400
TODD RONALD L REVOC TRUST
CHICOT RD
MABELVALE, AR 72103
BOOK 94 PAGE 85633

MATCH LINE

MATCH LINE

GRAPHIC SCALE
0 10 20 40 60 80

200.00' | 100.00' | 100.00' | 30.00'

LOW PT STA: 31+50.00
LOW PT ELEV: 288.80
PVI STA:32+50.00
PVI ELEV:289.74
K:201.01

33+50.00 291.68

LOW PT STA: 33+50.00
LOW PT ELEV: 291.68
PVI STA:34+00.00
PVI ELEV:292.65
K:275.23

34+50.00 293.80

HIGH PT STA: 35+50.00
HIGH PT ELEV: 295.62
PVI STA:35+00.00
PVI ELEV:294.95
K:105.02

35+50.00 295.62

LOW STA: 36+00
LOW EL: 296
PVI STA: 36+15
PVI EL: 296
K:48.66

36+00.00 296.30

36+30.00 296.79

PROPOSED GRADE

EXISTING GRADE

CI–33
N 115996.01
E 1203023.53
5' BOX, 1 @ 3'
STA. 32+12 LT.
RIM EL. 289.67
ST–40 FL 284.33
ST–42 FL 284.43
ST–41 FL 284.44

3U048
STA. 32+06 RT.
RIM EL. 288.79
N FL 279.59
S FL 279.50
W FL 279.89

ST–40
30 LF @ 1.0%
5'x3' BOX
CULVERT LT.
SIDE DRAIN

ST–41 38 LF
18" @ 1.2%
CROSS DRAIN

ST–34 8 LF 18" @ 1.8%
SIDE DRAIN RT.

AI–29
N 116007.20
E 1203076.32
4' BOX, AREA INLET
STA. 32+27 RT.
RIM EL. 289.14
ST–34 FL 285.16

CI–34
N 116007.90
E 1203064.87
4' BOX, 1 @ 3'
STA. 32+27 RT.
RIM EL. 289.84
ST–34 FL 284.96
ST–41 FL 284.96

ST–42 187 LF @ 1.2%
4'x3' BOX CULVERT
SIDE DRAIN LT.

ST–43 36 LF 18" @ 2.6%
CROSS DRAIN

CI–35
N 116187.14
E 1203035.29
5' BOX, 1 @ 3'
STA. 34+04 LT.
RIM EL. 292.95
ST–43 FL 286.94
ST–44 FL 286.93
ST–42 FL 286.83

CI–36
N 116184.66
E 1203075.74
4' BOX, 1 @ 3'
STA. 34+04 RT.
RIM EL. 292.94
ST–43 FL 287.97

ST–44 150 LF @ 1.5%
4'x3' BOX CULVERT
SIDE DRAIN LT.

ST–45 18 LF 24" @ 7.9%
SIDE DRAIN LT.

ST–48 36 LF 18" @ 3.4%
CROSS DRAIN

JB–37
N 116341.82
E 1203044.72
5' BOX, JUNCTION
STA. 35+59 LT.
RIM EL. 295.87
ST–50 FL 289.40
ST–44 FL 289.25
ST–45 FL 289.86
ST–48 FL 289.87
SEE CLR DETAIL PW–11

CI–39
N 116339.36
E 1203085.24
4' BOX, 1 @ 3'
STA. 35+59 RT.
RIM EL. 295.91
ST–48 FL 291.23

HW–4
STA. 35+62 LT.
ST–45–FL 291.48

3U049
STA. 35+89 RT.
RIM EL. 295.35
S FL 287.06
W FL 288.58
N FL 287.10

ST–50 45 LF 36" @ 3.0%
CROSS DRAIN

HW–5
STA. 35+93 LT.
ST–47–FL 294.21

ST–47 43 LF 30" @ 6.9%
SIDE DRAIN LT.

CI–40
N 116391.92
E 1203039.49
5' BOX, 1 @ 3'
STA. 36+09 LT.
RIM EL. 296.17
ST–50 FL 290.90
ST–51 FL 292.04
ST–47 FL 291.00
SEE CLR DETAIL PW–10

1.96%
1.35%

NOTE: LESS THAN 1' COVER BETWEEN ST–50 AND SSWR LINE. CONSTRUCT ST–50 WITH CAUTION.

300
295
290
285
280
277

32+00 +50 33+00 +50 34+00 +50 35+00 +50 36+00 +50 37+00

288.7	289.34	289.4	289.99	290.4	290.78	291.3	291.68	292.3	292.70	292.6	293.80	294.6	294.83
295.3	295.62	296.0	296.30	296.8	297.19	297.7	298.17						

CHICOT RD

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
PLAN AND PROFILE SHEET (7)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C20

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

PLAN AND PROFILE SHEET (8)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STA 37+00

MATCH LINE

45L0610002000
CHRISTIAN FELLOWSHIP CHURCH
10700 CHICOT RD
MABELVALE, AR 72103
BOOK 83 PAGE 25371

45L0610000900
TEMPLE OF RESTORATION CHURCH OF GOD IN
10610 CHICOT RD
MABELVALE, AR 72103
BOOK 2009 PAGE 065307

45L0770002300
HICKS HAROLD MARK
10701 CHICOT RD
MABELVALE, AR 72103
BOOK 2013 PAGE 072153

45L0770002200
HICKS HAROLD MARK
10713 CHICOT RD
MABELVALE, AR 72103
BOOK 2013 PAGE 072152

45L0770001900
CITY OF LITTLE ROCK
10621 CHICOT RD
LITTLE ROCK, AR
BOOK 83 PAGE 25371

36" OAK

CLEAR & GRUB 14" CEDAR
STA. 37+55.14 LT.

HW-7

TIE TO EXISTING SIDEWALK

EXIST. R/W

TCE

24.0'

17.1'

ST-51

CI-42

ST-52

ST-49

TIE CURB TO EXISTING

SAWCUT & MILLED JOINT

PI: 39+95.15

38+00 N2° 14' 04.48"E 346.14'

39+00

40+00

41+00

42+00

N0° 12' 39.29"E 343.19'

+50

EXIST. R/W

TCE

14.0'

10.0'

CI-41

TIE CURB TO EXISTING

CHICOT RD
END PROJECT
STA.=39+26.06
NORTHING=116707.88
EASTING=1203080.47

GRAPHIC SCALE
0 10 20 40 60 80

90.00'

37+10.00
298.37

38+00.00
299.13

HIGH PT STA: 37+89.24
HIGH PT ELEV: 299.14
PVI STA:37+55.00
PVI ELEV:299.25
K:40.34

CI-42
N 116651.67
E 1203048.06
4' BOX, 1 @ 3'
STA. 38+69 LT.
RIM EL. 298.89
ST-52 FL 294.79
ST-51 FL 294.64
ST-49 FL 294.74

HW-7
STA. 38+79 LT.
ST-52-FL 295.79

STA. 39+25.00
ELEV. 298.50

PROPOSED GRADE

-0.27%

-0.86%

ST-52 10 LF 18" @ 8.0%
SIDE DRAIN LT.

EXISTING GRADE

ST-51 255 LF 18" @ 1.0%
SIDE DRAIN LT.

ST-49 46 LF 18" @ 0.5%
CROSS DRAIN

CI-41
N 116649.76
E 1203098.26
4' BOX, 1 @ 3'
STA. 38+69 RT.
RIM EL. 299.12
ST-49 FL 294.99

3U050
STA. 38+89 RT.
RIM EL. 298.09
S FL 289.91
W FL 290.26
N FL 290.40

305
300
295
290
285

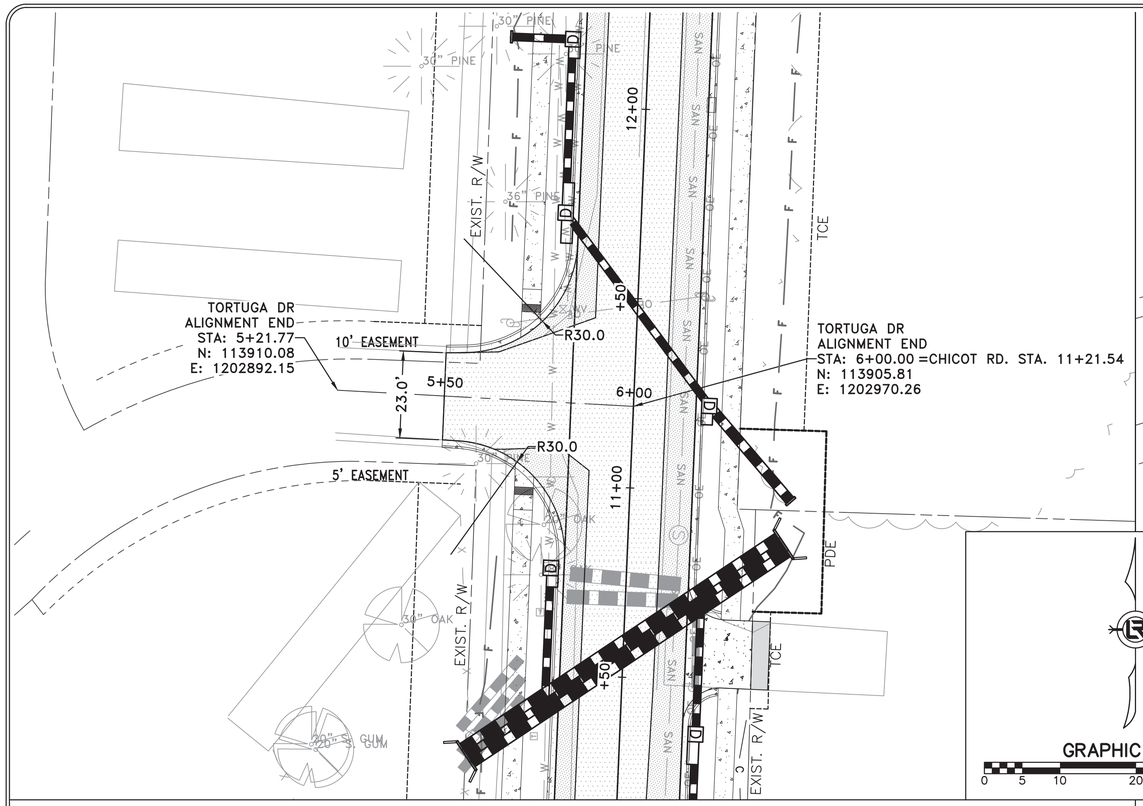
37+00 +50 38+00 +50 39+00 +50 40+00 +50 41+00 +50 42+00

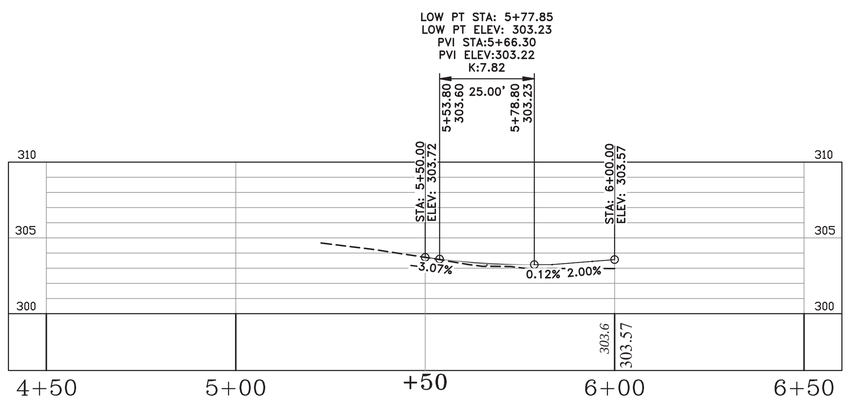
297.7	298.17	298.5	298.95	298.6	299.13	298.5	299.00	298.3	298.72	298.3	297.9

CHICOT RD

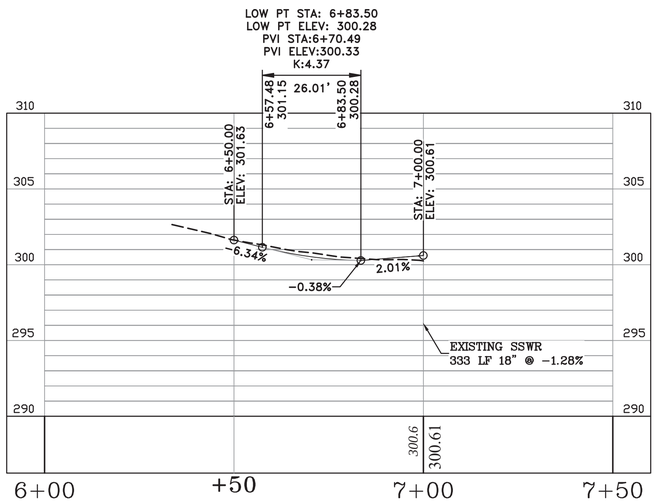


DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C21





TORTUGA DR



MAIN RD

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

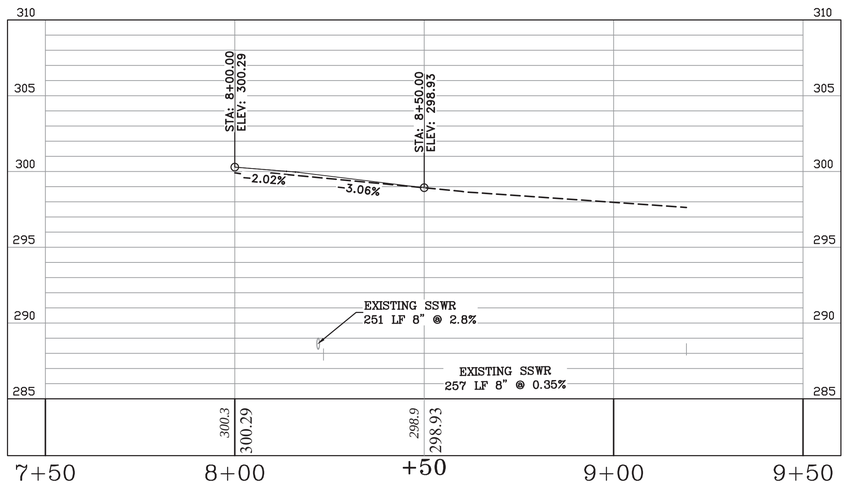
SIDE STREET PLAN AND PROFILES (1)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

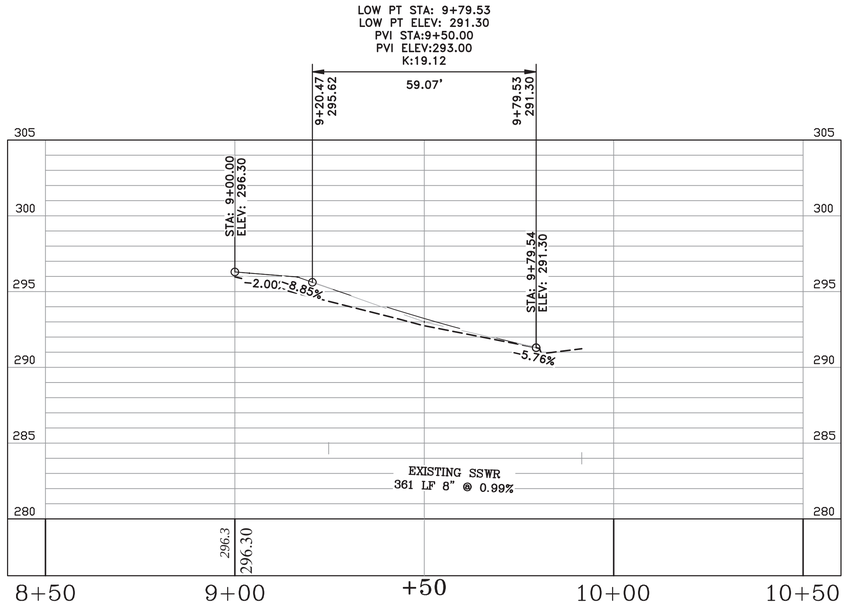
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE II
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C22





ROYAL OAKS DR



SHADY GROVE RD.

REVISIONS	DATE

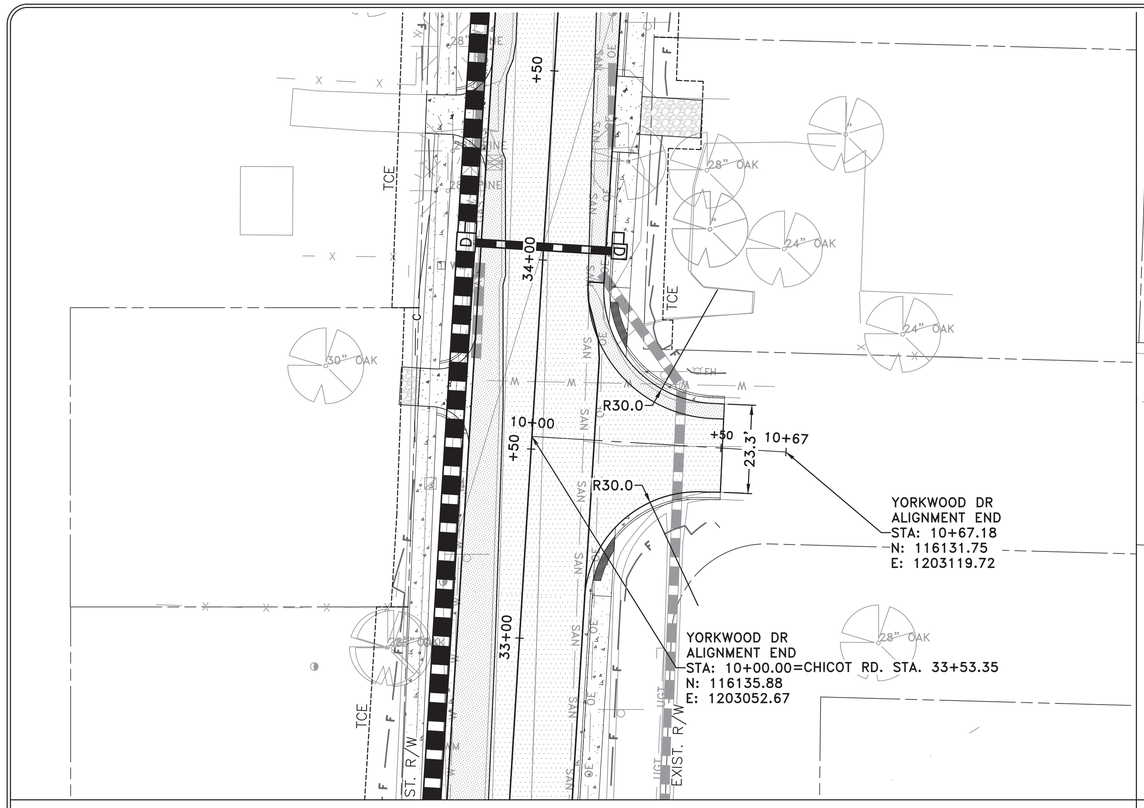
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

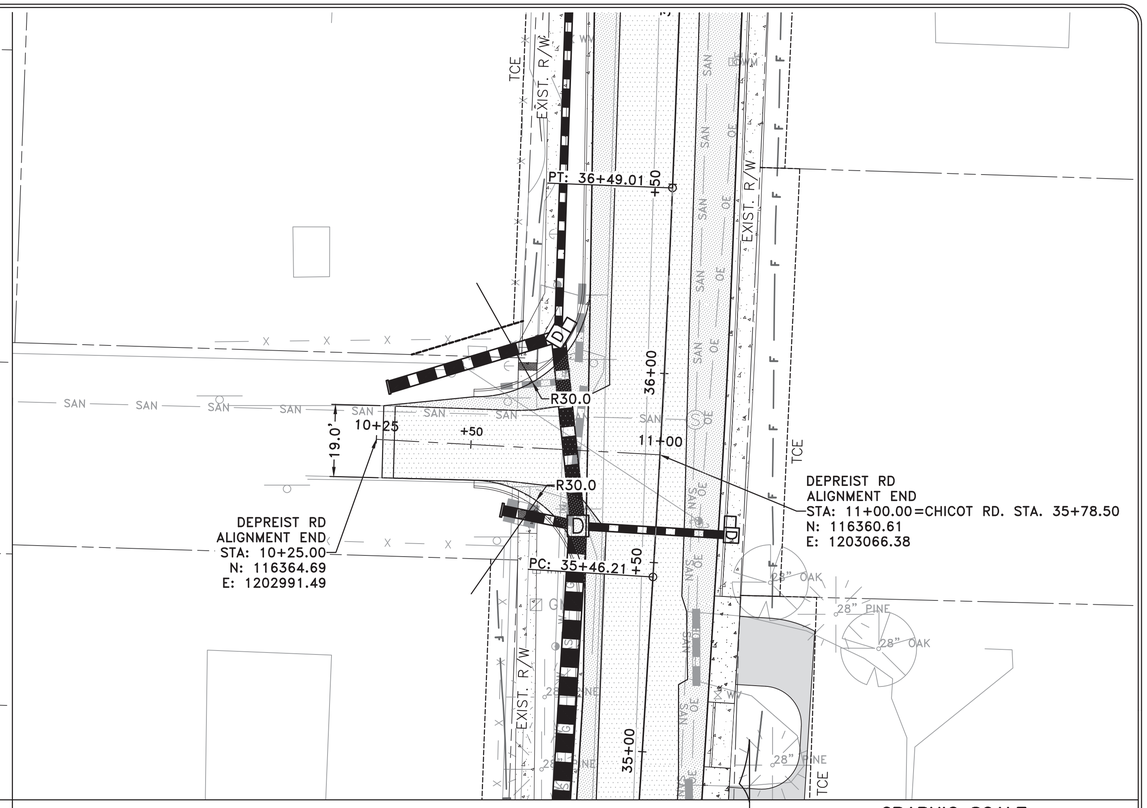
SIDE STREET PLAN AND PROFILES (2)

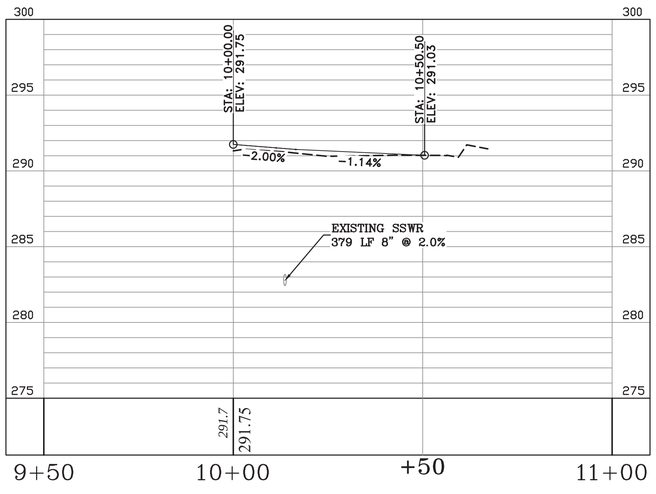
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE III
2/3/2020

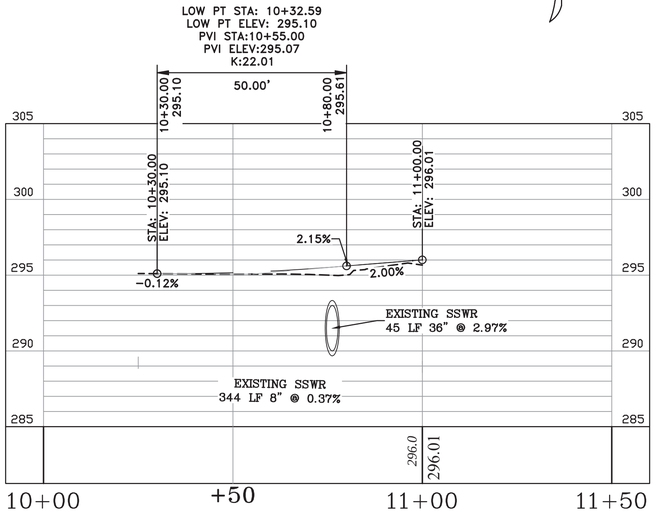
DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C23







YORKWOOD DR



DEPREIST RD

GRAPHIC SCALE
0 5 10 20 30 40

REVISIONS	DATE

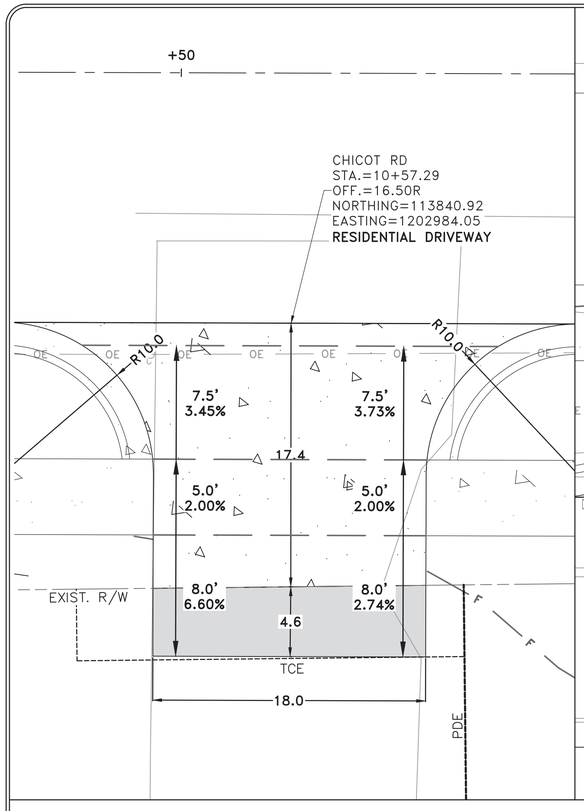
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

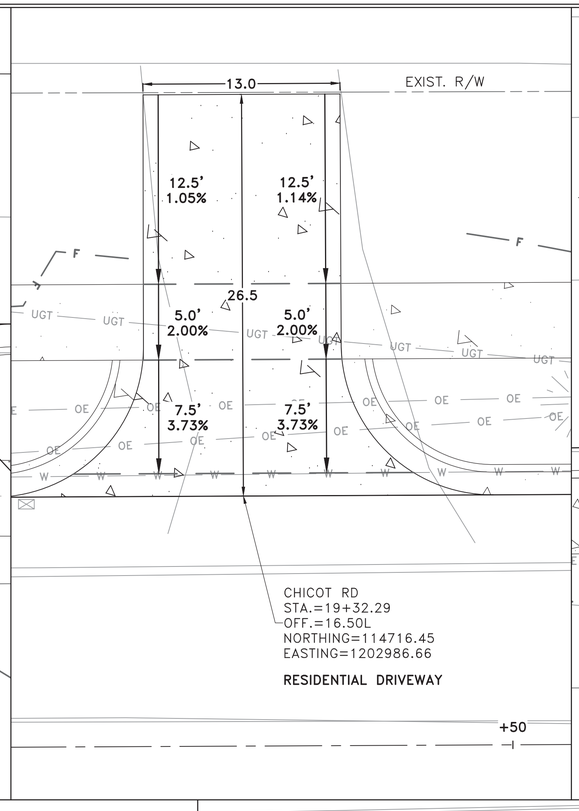
SIDE STREET PLAN AND PROFILES (3)

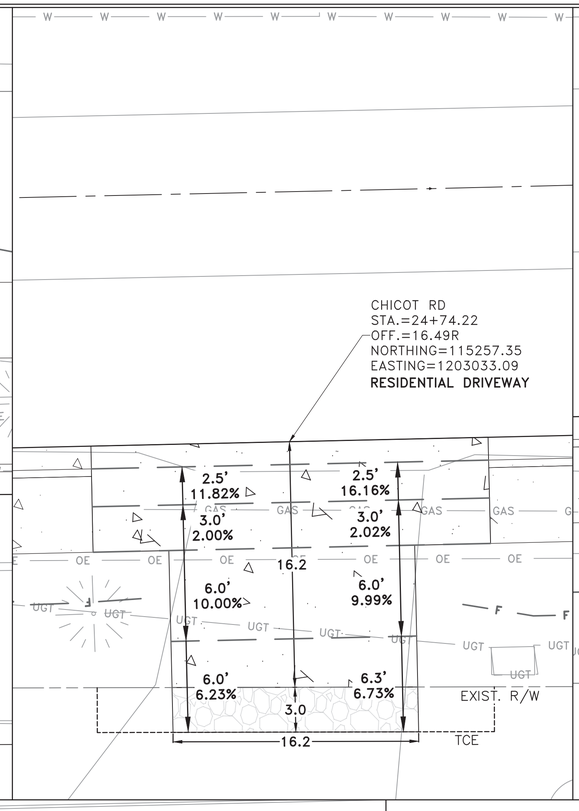
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

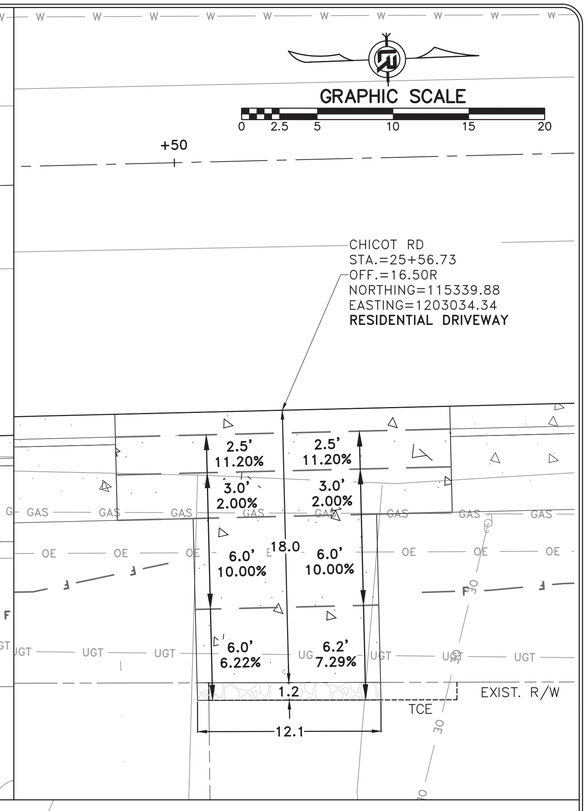
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

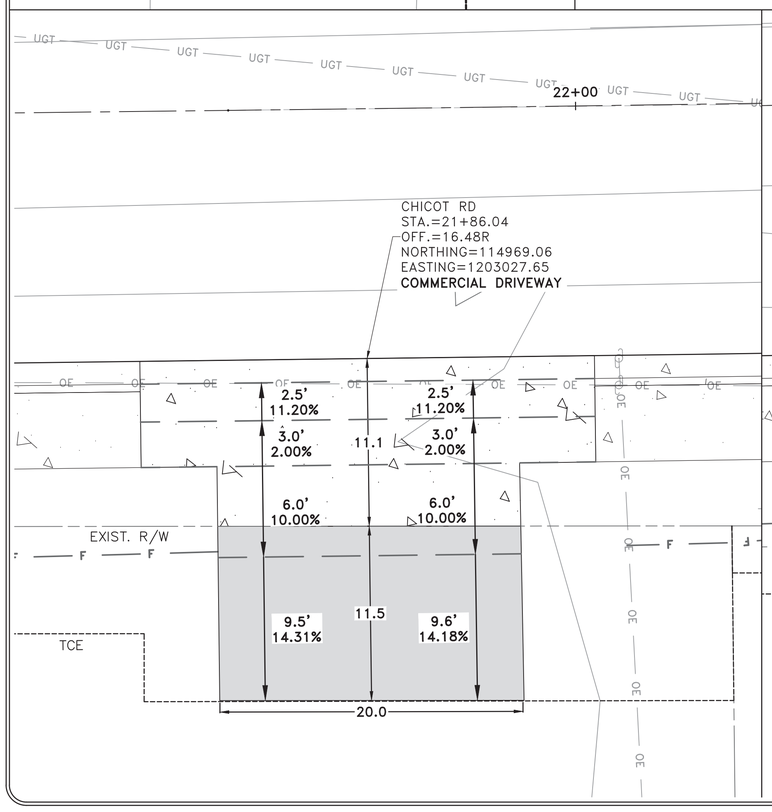
DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 20'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C24

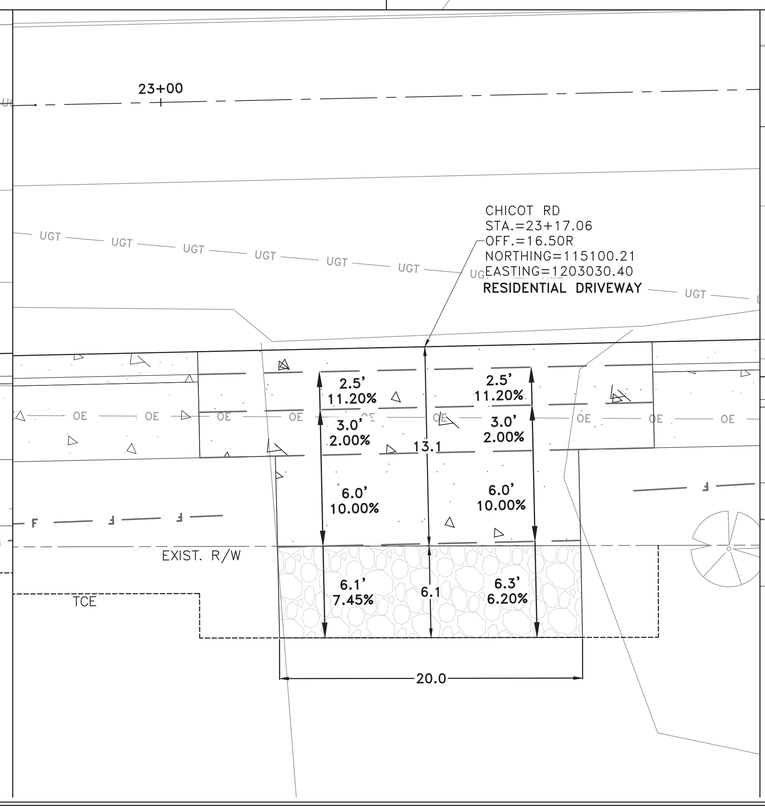


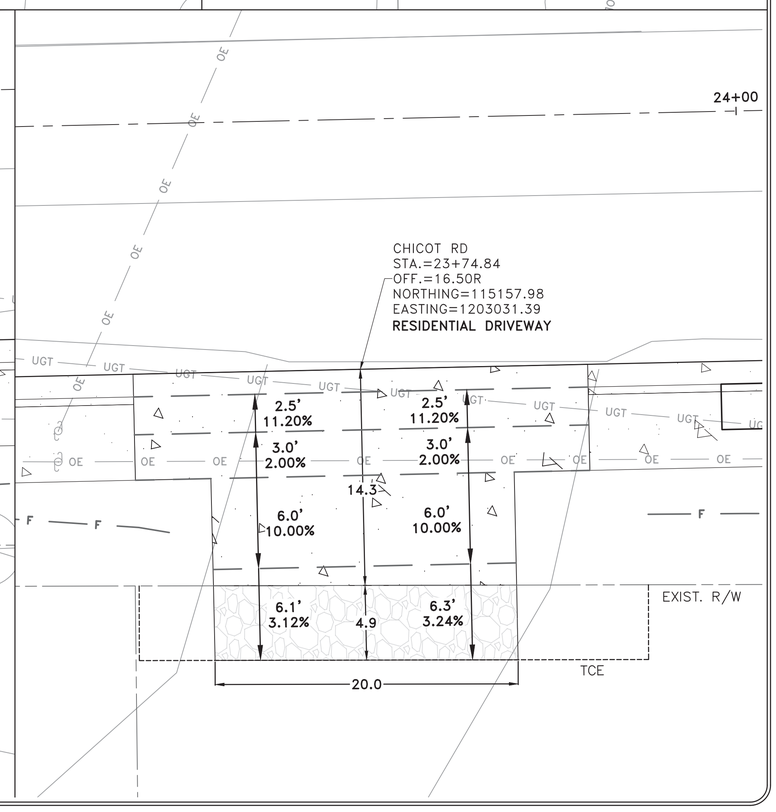












REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

DRIVEWAY PLAN (1)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C25

GRAPHIC SCALE
0 2.5 5 10 15 20

32+00

CHICOT RD
STA.=32+08.06
OFF.=16.50R
NORTHING=115989.85
EASTING=1203060.22
RESIDENTIAL DRIVEWAY

2.5' 13.02%
2.5' 11.79%
3.0' 3.19%
3.0' 2.00%
16.0
6.0' 9.60%
6.0' 12.28%
3.0' 1.89%
3.0' 3.23%
12.7
EXIST. R/W

10.0
TCE
7.5' 10.21%
7.5' 9.92%
8.6' 10.11%
8.4' 9.96%
27.5
EXIST. R/W
5.0' 1.90%
5.0' 2.00%
4.9' 4.07%
5.1' 5.48%
R10.0
R10.0

CHICOT RD
STA.=32+32.80
OFF.=16.50L
NORTHING=116016.57
EASTING=1203028.80
RESIDENTIAL DRIVEWAY

10.0
TCE
EXIST. R/W
5.0' 6.14%
5.0' 6.81%
5.0' 2.00%
5.0' 2.00%
19.0
7.5' 3.74%
7.5' 3.74%
R10.0
R10.0

CHICOT RD
STA.=33+64.56
OFF.=16.50L
NORTHING=116148.08
EASTING=1203036.89
RESIDENTIAL DRIVEWAY

TCE
EXIST. R/W
10.2
2.5' 2.03%
2.7' 6.45%
5.0' 2.00%
5.0' 1.99%
16.6
7.5' 3.73%
7.5' 3.73%
R10.0
R10.0

CHICOT RD
STA.=34+36.86
OFF.=16.50L
NORTHING=116220.24
EASTING=1203041.33
RESIDENTIAL DRIVEWAY

+50

CHICOT RD
STA.=34+39.66
OFF.=16.50R
NORTHING=116221.01
EASTING=1203074.44
RESIDENTIAL DRIVEWAY

2.5' 4.75%
2.5' 11.20%
3.0' 3.95%
3.0' 2.00%
6.0' 10.97%
6.0' 10.00%
23.0
10.0' 10.94%
10.0' 13.62%
10.0
TCE
EXIST. R/W

CHICOT RD
STA.=34+83.09
OFF.=16.50R
NORTHING=116264.36
EASTING=1203077.10
RESIDENTIAL DRIVEWAY

2.5' 11.22%
2.5' 11.24%
3.0' 2.00%
3.0' 2.00%
18.0
6.0' 10.00%
6.0' 10.00%
27.0
14.0' 10.68%
14.0' 9.58%
R10.0
7.2
R10.0
TCE
59.9

CHICOT RD
STA.=35+28.19
OFF.=16.50R
NORTHING=116309.37
EASTING=1203079.87
RESIDENTIAL DRIVEWAY

2.5' 11.20%
2.5' 11.20%
3.0' 2.00%
3.0' 2.00%
18.0
6.0' 10.00%
6.0' 10.00%
27.0
14.0' 13.29%
14.0' 15.50%

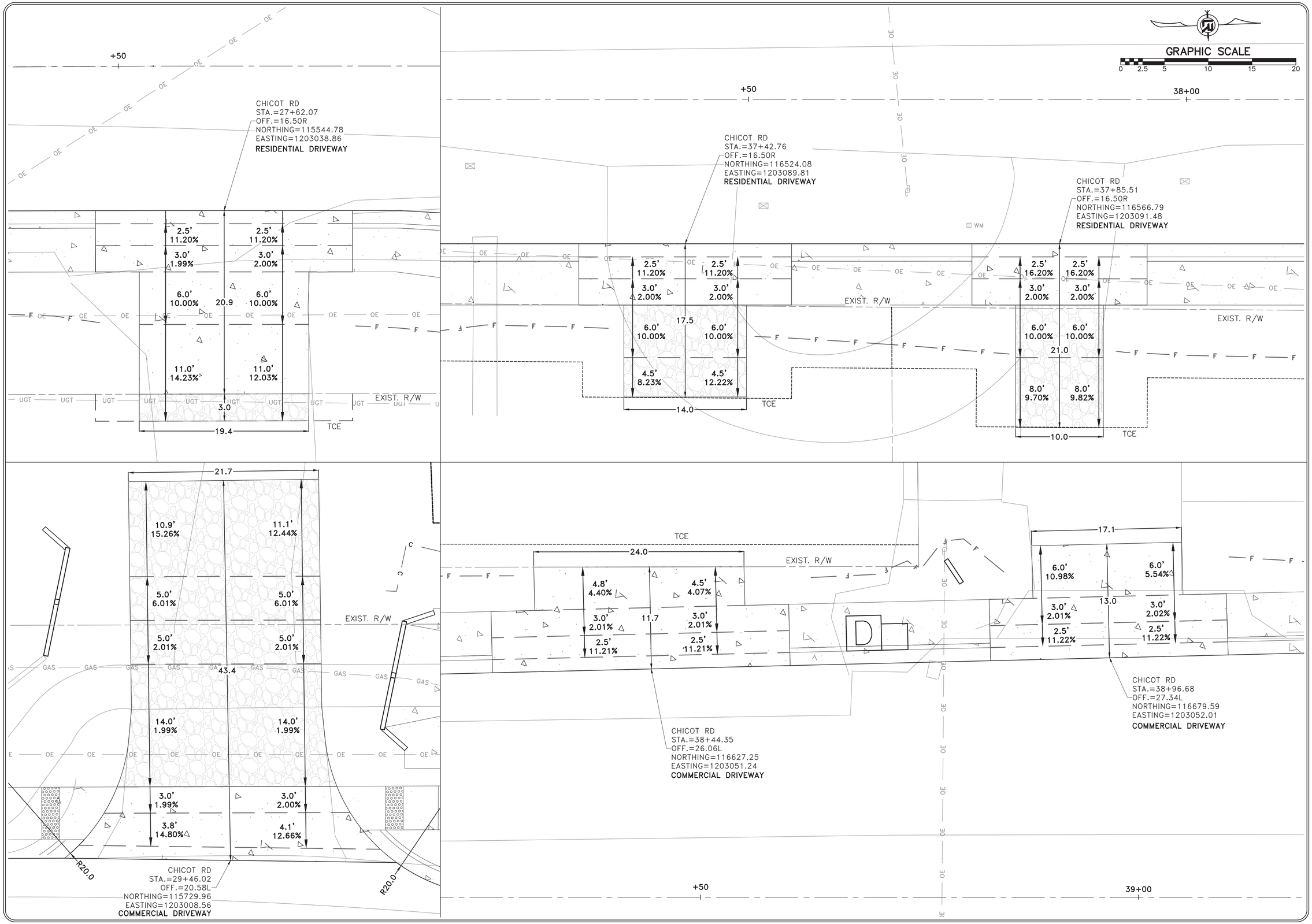
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
DRIVEWAY PLAN (2)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C26



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

DRIVEWAY PLAN (3)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C27

29
CTL PK OPUS
EL: 332.732
N: 112953.9342
E: 1202840.8390

PK VRS

610017501
NI N SILVA
CHICOT RD
LE AR, 72103
B PAGE 010856

45L0610017200
CARL R JR/HAWLEY
PATRICIA JENKINS
11802 CHICOT RD
MABELVALE AR, 72103
BOOK 2017 PAGE 034438

45L0760001700
WOODCREST COMPANY
7601 CLAYBROOK RD
LITTLE ROCK AR, 72103
BOOK 2018 PAGE 025625

45L0760000100
HEATHER NICOLE DAVIS
7600 CLAYBROOK RD
LITTLE ROCK AR, 72103
BOOK 2017 PAGE 017439

7
CTL PAGIS 2044A
EL: 326.530
N: 113276.3740
E: 1202914.4110

8
CTL PK VRS
EL: 331.693
N: 112958.7410
E: 1202917.2810

CTL PK VRS

1+85.19
3+00
N1° 36' 56.45"E
285.12'
4+00
5+00
6+00
7+00
8+00
9+00
10+00
11+00
N2° 24' 15.98"E
1238.46'
12+00
13+00

SW CORNER NW1/4 SW1/4
SEC 12, T-1-S, R-13-W, 5th PM

15' UTILITY EASEMENT

40 FOOT STREET DEDICATION
AS SHOWN ON PLAT OF
LOT 1 LANDMARK PARK

45L0750100100
WHMHP LLC
11500 CHICOT RD
MABELVALE AR, 72103
BOOK 2017 PAGE 015388

45L0750100100
WHMHP LLC
11500 CHICOT RD
MABELVALE AR, 72103
BOOK 2017 PAGE 015388

536870916
CTL PK SHINER
EL: 306.457
N: 113870.0030
E: 1202820.7150

STA 12+50

6252
CTL
EL: 310.220
N: 114131.5650
E: 1202943.5850

5' EASEMENT

10' EASEMENT

PI: 4+70.31
N: 113255.15
E: 1202942.86

N2° 27' 33.04"E
80.41'

PI: 5+50.72
N: 113335.48
E: 1202946.31

45L0770005700
MARTINEZ JESUS
YARBERRY LN
MABELVALE AR, 72103
BOOK 2018 PAGE 018939

CHICOT RD
BEGIN PROJECT
STA: 1+85.19
N: 112970.14
E: 1202934.82

45L0770004600
TYRONE MITCHELL
7524 YARBERRY LN
LITTLE ROCK AR, 72209
BOOK 2009 PAGE 029312

45L-077.00-047.00
THADDIUS WILEY
11515 CHICOT RD
MABELVALE AR, 72103
BOOK 2008 PAGE 070111

45L-077.00-051.00
B L GIBSON
CHICOT RD
MABELVALE AR, 72103

CTL PK SHINER

MATCH LINE

GRAPHIC SCALE
0 20 40 80 120 160

STA 12+50

6252
CTL
EL: 310.220
N: 114131.5650
E: 1202943.5850

15.0

EASEMENT

15' UTILITY EASEMENT

45L0750100100
WHMHP LLC
11500 CHICOT RD
MABELVALE AR, 72103
BOOK 2017 PAGE 015388

45L0610009200
TYLER RONNIE J/KAREN L
11224 CHICOT RD
MABELVALE, AR 72103
BOOK 2005 PAGE 088861

45L0610009400
LITTLE ROCK SCHOOL DIST
1112 CHICOT RD
MABELVALE, AR 72103
BOOK 2008 PAGE 062281

536870912
CTL PK SHINER
EL: 293.306
N: 114942.9410
E: 1202912.8960

PC: 21+77.08
N: 114960.54
E: 1203010.93

PI: 20+94.59
N: 114878.09
E: 1203008.69

P.I.=22+34.40
D.O.C.=0°30'00"
DELTA=0°34'20"
T=57.32
R=11459.16
L=114.65
P.C.=21+77.08
P.T.=22+91.72

STA 23+00

12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
N1° 57' 21.27"E
305.41'
20+00
21+00
N1° 33' 21.67"E
82.49'
22+00
23+00

PI: 17+89.18
N: 114572.85
E: 1202998.27

45L-077.00-042.00
CYNTHIA D WOODS
7326 YARBERRY LN
MABELVALE AR, 72103
BOOK 2010 PAGE 052575

45L-077.09-000.02
BELTRAN PAINTING INC
ROYAL OAKS DR
LITTLE ROCK AR, 72209
BOOK 2019 PAGE 031833

45L-077.09-000.02
BELTRAN PAINTING INC
ROYAL OAKS DR
LITTLE ROCK AR, 72209
BOOK 83 PAGE 025371

45L-084.00-001.00
SWLR PROPERTIES LLC
7523 SHADY GROVE RD
LITTLE ROCK AR, 72209-8780
BOOK 2018 PAGE 056988

45L-084.00-002.00
LAUREL SANDRA BEARDEN REVO TR
7524 SHADY GROVE LN
LITTLE ROCK AR, 72209-8778
BOOK 2008 PAGE 04222

45L-077.00-032.00
BB HOMES INC
11121 CHICOT RD
LITTLE ROCK AR, 72103
BOOK 2018 PAGE 033600

PT: 22+91.72
N: 115075.16
E: 1203013.47

MATCH LINE

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
SURVEY CONTROL (1)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 40'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C28

PC: 21+77.08
N: 114960.54
E: 1203010.93

P.I.=22+34.40
D.O.C.=0°30'00"
DELTA=0°34'20"
T=57.32
R=11459.16
L=114.65
P.C.=21+77.08
P.T.=22+91.72

PT: 22+91.72
N: 115075.16
E: 1203013.47

MATCH LINE

STA 23+00

PI: 24+83.87
N: 115267.28
E: 1203016.77

PC: 26+44.63
N: 115428.02
E: 1203019.14

PI: 28+43.08
N: 115626.36
E: 1203025.50

PC: 29+52.06
N: 115735.28
E: 1203029.34

PT: 30+52.08
N: 115835.18
E: 1203034.18

N0° 58' 58.05"E
192.15'

N0° 50' 47.34"E
160.76'

N2° 12' 40.99"E
89.08'

N2° 01' 09.84"E
108.99'

N3° 31' 10.73"E
494.13'

P.I.=26+99.31
D.O.C.=1°15'00"
DELTA=1°22'00"
T=54.69
R=4583.66
L=109.37
P.C.=26+44.63
P.T.=27+53.99

PT: 27+53.99
N: 115537.34
E: 1203022.06

P.I.=30+02.07
D.O.C.=1°30'00"
DELTA=1°30'00"
T=50.01
R=3819.72
L=100.02
P.C.=29+52.06
P.T.=30+52.08

SE CORNER NE1/4-NE1/4
SEC 11, T-1-S, R-13-W 5TH PM

45L0610009400
LITTLE ROCK SCHOOL DIST
1112 CHICOT RD
MABELVALE, AR 72103
BOOK 2008 PAGE 062281

45L0610009500
BETHEL PRIM BAPTIST CH
10900 CHICOT RD
MABELVALE, AR 72103
BOOK 98 PAGE 66041

45L0610001700
WILLIAMS ALONZO D JR
10824 CHICOT RD
MABELVALE, AR 72103
BOOK 2007 PAGE 025037

45L0610001800
GRAY MICHAEL
10816 CHICOT RD
MABELVALE, AR 72103
BOOK 2013 PAGE 081903

45L-077.00-032.00
BB HOMES INC
11121 CHICOT RD
LITTLE ROCK AR, 72103
BOOK 2018 PAGE 033600

45L-077.00-028.00
GENARO ROSALES
11103 CHICOT RD
MABELVALE AR, 72103
BOOK 05 PAGE 042855

45L0770002900
JACKSON DENORMUS A
11019 CHICOT RD
MABELVALE, AR 72103
BOOK 83 PAGE 25371

45L0770003300
TYLER JACK FAM LLC
CHICOT RD
MABELVALE, AR 72103
BOOK 2016 PAGE 093148

45L0770003100
MID-ARK PROPERTY & INVESTMENTS INC
10903 CHICOT RD
MABELVALE, AR 72103
BOOK 2017 PAGE 021952

45L0820000100
MONTOYA MANUEL/ELODIA
7501 YORKWOOD DR
LITTLE ROCK, AR 722090000
BOOK 2008 PAGE 053401

CTL PK SHINER

CTL PK

Point Table				
Point #	Raw Description	Elevation	Northing	Easting
7	CTL PAGIS 2044A	326.530	113276.3740	1202914.4110
7083	CTL 60D	293.541	116209.4220	1203012.3660
7179	CTL	296.049	116394.1170	1203037.3840
536870916	CTL PK SHINER	306.457	113870.0030	1202820.7150
6252	CTL	310.220	114131.5650	1202943.5850
13	CTL 60D VRS	295.993	116396.1150	1203043.7200
29	CTL PK OPUS	332.732	112953.9342	1202840.8390
8	CTL PK VRS	331.693	112958.7410	1202917.2810
536870912	CTL PK SHINER	293.306	114942.9410	1202912.8960

GRAPHIC SCALE
0 20 40 80 120 160

STA 33+00

7083
CTL 60D
EL: 293.541
N: 116209.4220
E: 1203012.3660

PC: 35+46.21
N: 116328.37
E: 1203064.51

7179
CTL
EL: 296.049
N: 116394.1170
E: 1203037.3840

13
CTL 60D VRS
EL: 295.993
N: 116396.1150
E: 1203043.7200

45L0610001500
BRIXEY DONALD D INT VIV REVOC
10802 CHICOT RD
MABELVALE, AR 72103
BOOK 99 PAGE 080395

45L0610001900
STROUD JERRY & DEBBIE
10712 CHICOT RD
MABELVALE, AR 72103
BOOK 93 PAGE 85698

45L0610002000
CHRISTIAN FELLOWSHIP CHURCH
10700 CHICOT RD
MABELVALE, AR 72103
BOOK 83 PAGE 25371

45L0610000900
TEMPLE OF RESTORATION CHURCH OF GOD IN
10610 CHICOT RD
MABELVALE, AR 72103
BOOK 2009 PAGE 065307

55 FEET CONVEYED TO LITTLE ROCK
DOC# 2007039936 DATED 5/21/2007

SW CORNER NW 1/4 NW1/4
SEC 11, T-1-S, R-13-W, 5TH PM

N2° 14' 04.48"E
346.14'

N0° 12' 39.29"E
343.19'

CHICOT RD END PROJECT
STA: 43+38.34
N: 117120.11
E: 1203084.43

RIGHT-OF-WAY DEDICATION
ISNT. NO. 2006046606

P.I.=35+97.61
D.O.C.=1°15'00"
DELTA=1°17'10"
T=51.40
R=4583.66
L=102.81
P.C.=35+46.21
P.T.=36+49.01

PT: 36+49.01
N: 116431.04
E: 1203069.67

PI: 39+95.15
N: 116776.92
E: 1203083.17

45L0770002700
BENETZ DANA ELLEN
10813 CHICOT RD
MABELVALE, AR 72103
BOOK 2018 PAGE 015992

45L0770002400
TODD RONALD L REVOC TRUST
CHICOT RD
MABELVALE, AR 72103
BOOK 94 PAGE 85633

45L0770002200
HICKS HAROLD MARK
10713 CHICOT RD
MABELVALE, AR 72103
BOOK 2013 PAGE 072152

45L0770002300
HICKS HAROLD MARK
10701 CHICOT RD
MABELVALE, AR 72103
BOOK 2013 PAGE 072153

45L0770001900
CITY OF LITTLE ROCK
10621 CHICOT RD
LITTLE ROCK, AR
BOOK 83 PAGE 25371

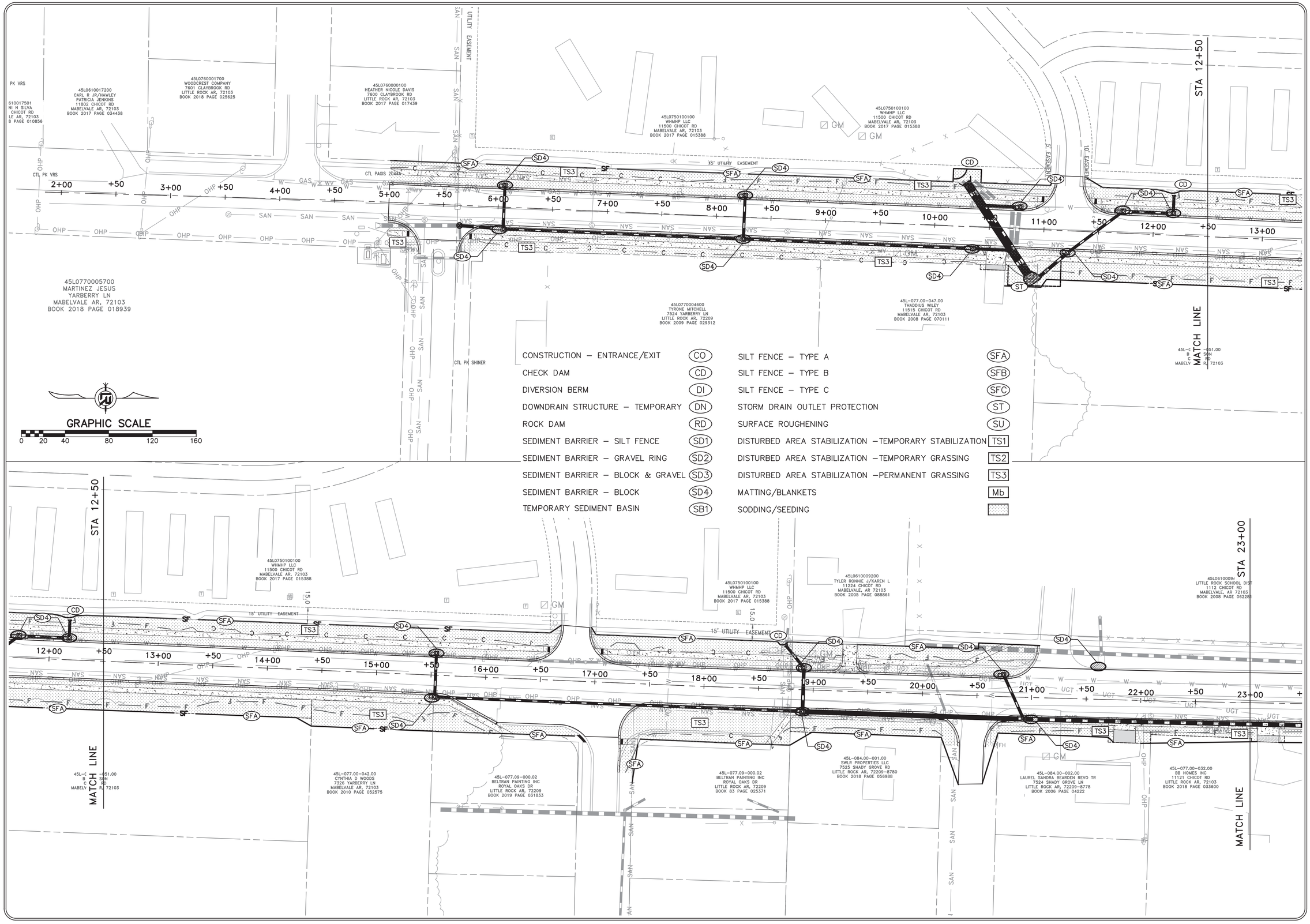
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
SURVEY CONTROL (2)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 40'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C29



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
EROSION CONTROL PLAN (1)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

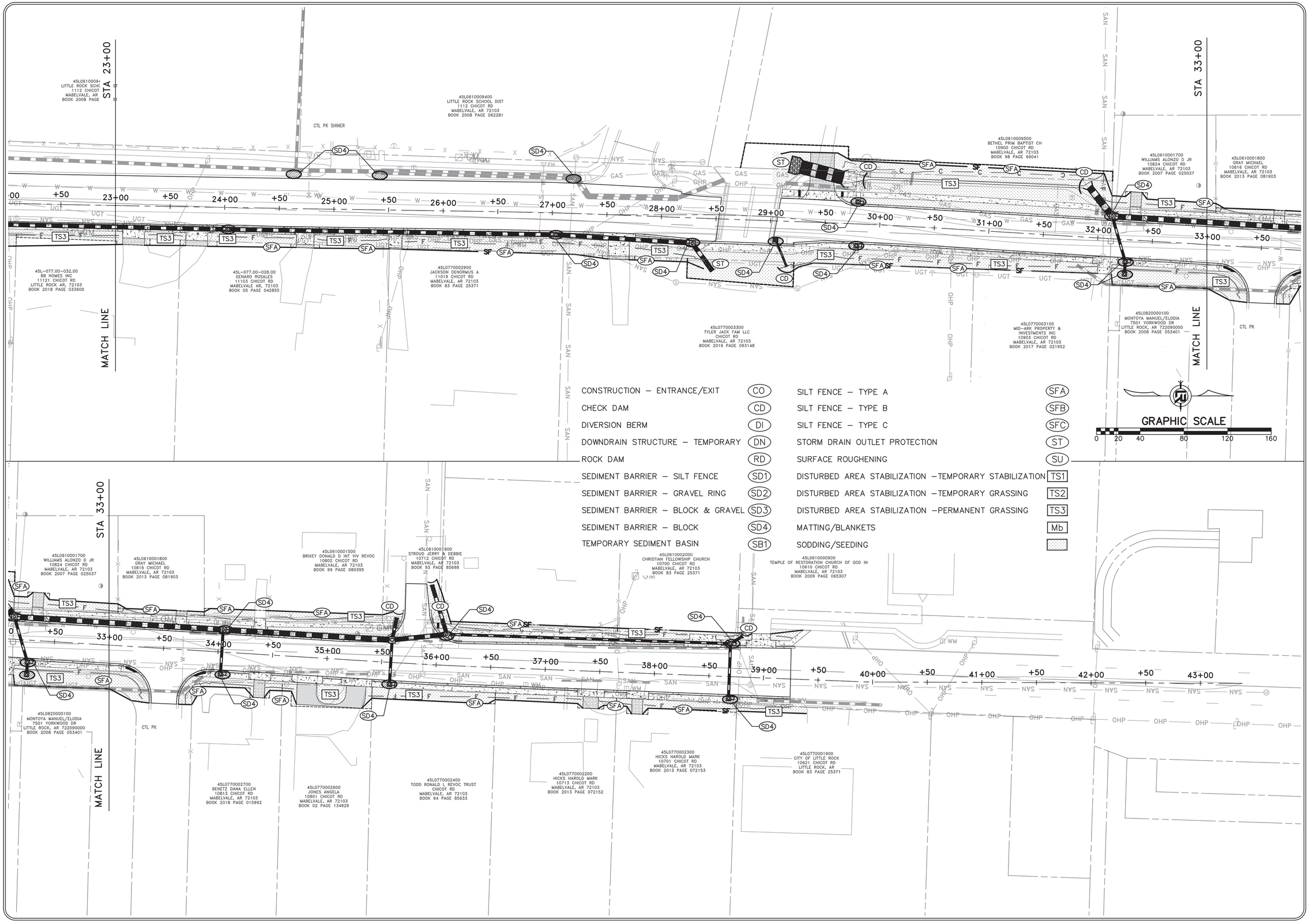
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
BYRON O. LAWRENCE
No. 13640
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 40'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C30

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

EROSION CONTROL PLAN (2)



CONSTRUCTION – ENTRANCE/EXIT	CO	SILT FENCE – TYPE A	SFA
CHECK DAM	CD	SILT FENCE – TYPE B	SFB
DIVERSION BERM	DI	SILT FENCE – TYPE C	SFC
DOWNDRAIN STRUCTURE – TEMPORARY	DN	STORM DRAIN OUTLET PROTECTION	ST
ROCK DAM	RD	SURFACE ROUGHENING	SU
SEDIMENT BARRIER – SILT FENCE	SD1	DISTURBED AREA STABILIZATION –TEMPORARY STABILIZATION	TS1
SEDIMENT BARRIER – GRAVEL RING	SD2	DISTURBED AREA STABILIZATION –TEMPORARY GRASSING	TS2
SEDIMENT BARRIER – BLOCK & GRAVEL	SD3	DISTURBED AREA STABILIZATION –PERMANENT GRASSING	TS3
SEDIMENT BARRIER – BLOCK	SD4	MATTING/BLANKETS	Mb
TEMPORARY SEDIMENT BASIN	SB1	SODDING/SEEDING	

GRAPHIC SCALE
0 20 40 80 120 160

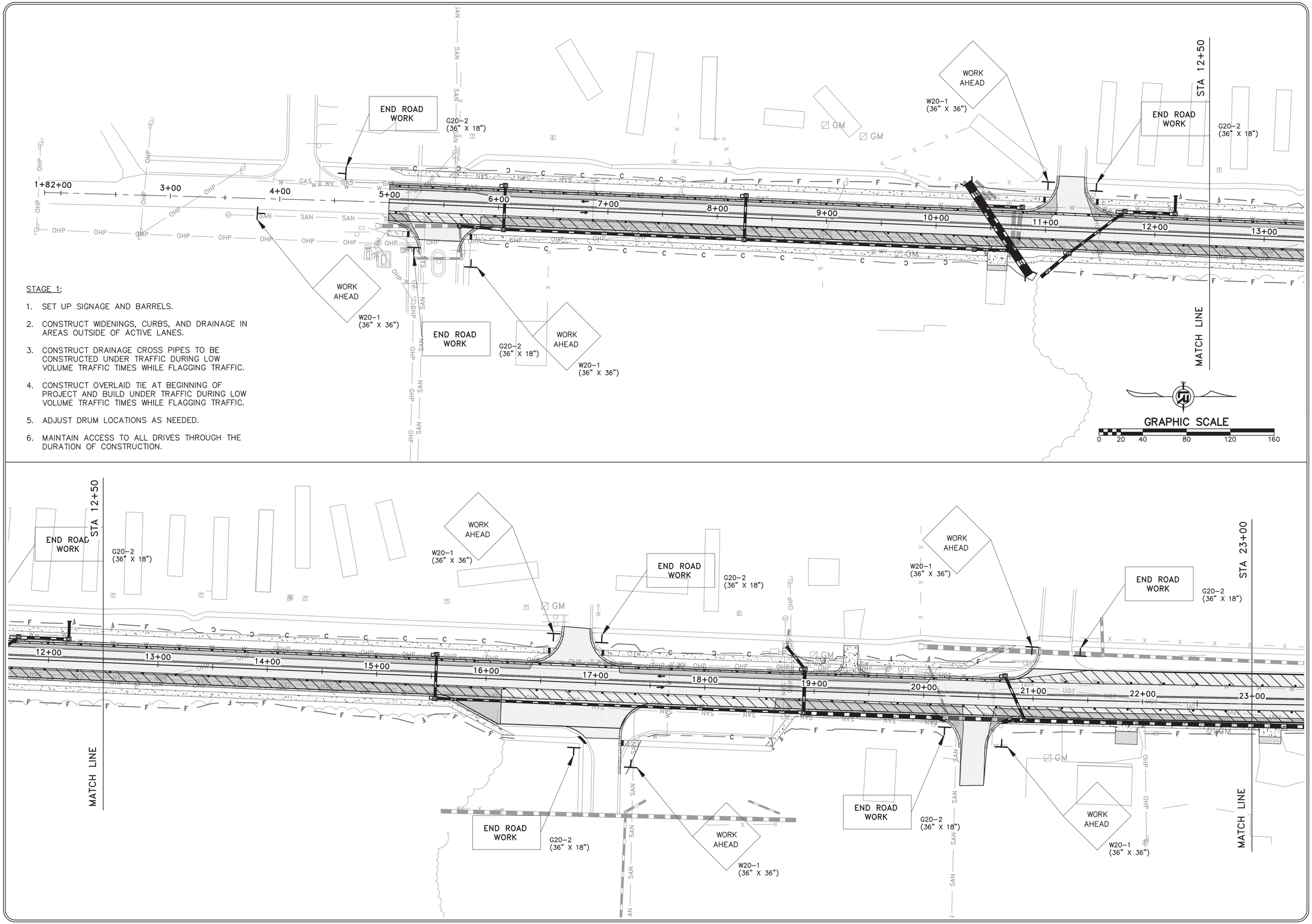
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 40'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C31

STAGE 1:

1. SET UP SIGNAGE AND BARRELS.
2. CONSTRUCT WIDENINGS, CURBS, AND DRAINAGE IN AREAS OUTSIDE OF ACTIVE LANES.
3. CONSTRUCT DRAINAGE CROSS PIPES TO BE CONSTRUCTED UNDER TRAFFIC DURING LOW VOLUME TRAFFIC TIMES WHILE FLAGGING TRAFFIC.
4. CONSTRUCT OVERLAID TIE AT BEGINNING OF PROJECT AND BUILD UNDER TRAFFIC DURING LOW VOLUME TRAFFIC TIMES WHILE FLAGGING TRAFFIC.
5. ADJUST DRUM LOCATIONS AS NEEDED.
6. MAINTAIN ACCESS TO ALL DRIVES THROUGH THE DURATION OF CONSTRUCTION.



GRAPHIC SCALE
0 20 40 80 120 160

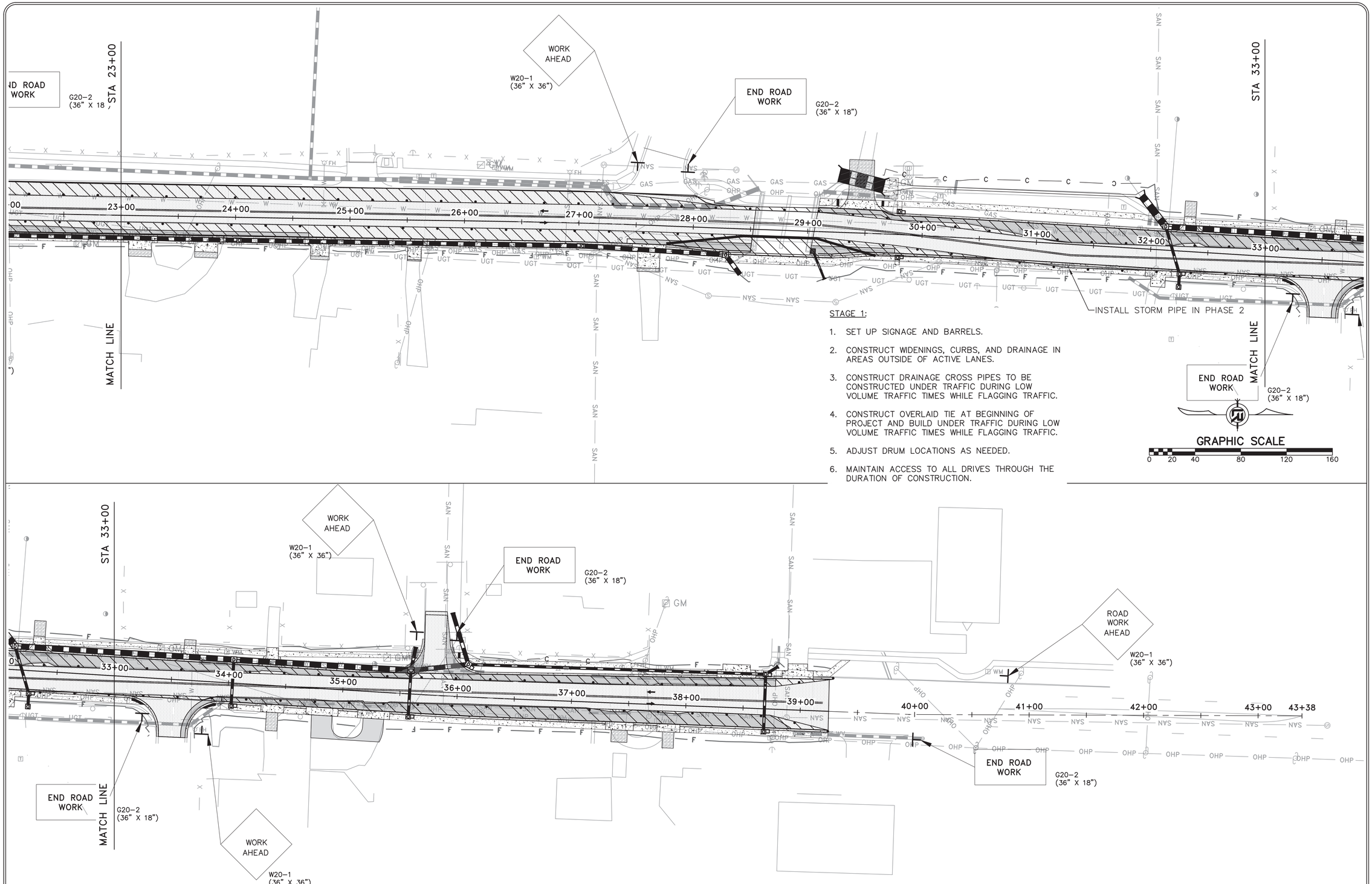
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
MAINTENANCE OF TRAFFIC PLAN (1)
PHASE I

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	COF
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 40'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C32



STAGE 1:

1. SET UP SIGNAGE AND BARRELS.
2. CONSTRUCT WIDENINGS, CURBS, AND DRAINAGE IN AREAS OUTSIDE OF ACTIVE LANES.
3. CONSTRUCT DRAINAGE CROSS PIPES TO BE CONSTRUCTED UNDER TRAFFIC DURING LOW VOLUME TRAFFIC TIMES WHILE FLAGGING TRAFFIC.
4. CONSTRUCT OVERLAID TIE AT BEGINNING OF PROJECT AND BUILD UNDER TRAFFIC DURING LOW VOLUME TRAFFIC TIMES WHILE FLAGGING TRAFFIC.
5. ADJUST DRUM LOCATIONS AS NEEDED.
6. MAINTAIN ACCESS TO ALL DRIVES THROUGH THE DURATION OF CONSTRUCTION.

GRAPHIC SCALE

0 20 40 80 120 160

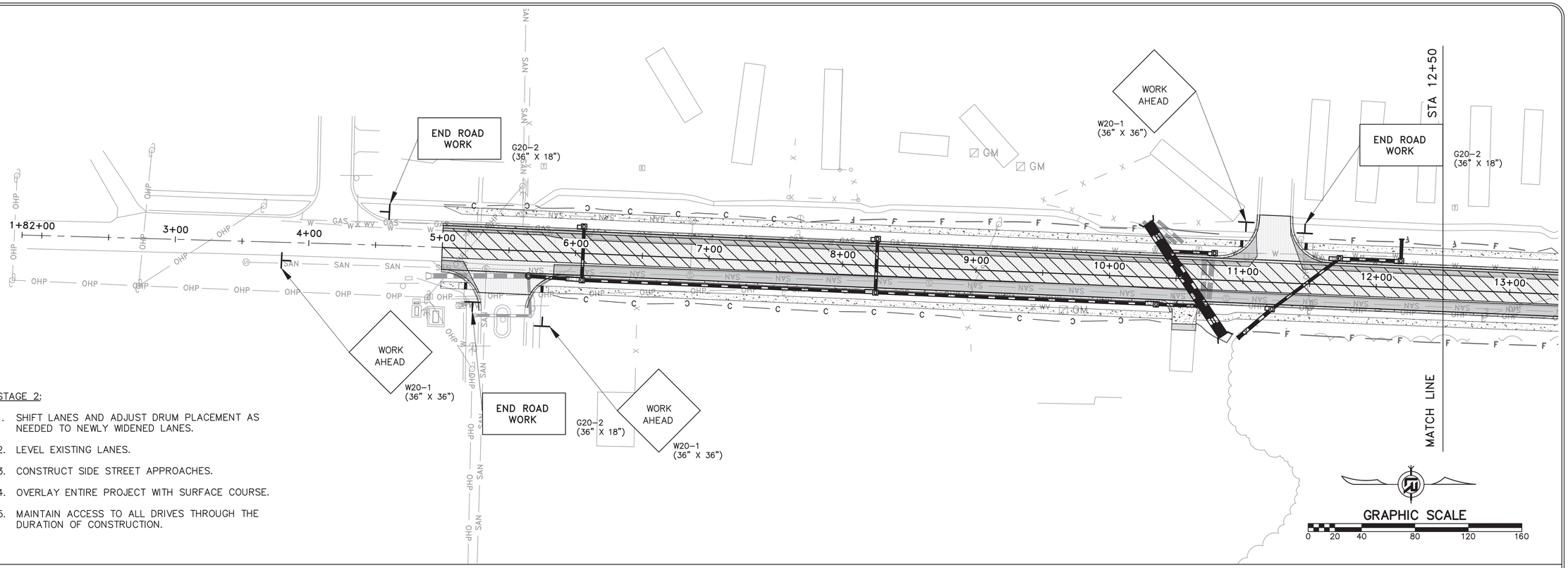
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
MAINTENANCE OF TRAFFIC PLAN (2)
PHASE I

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

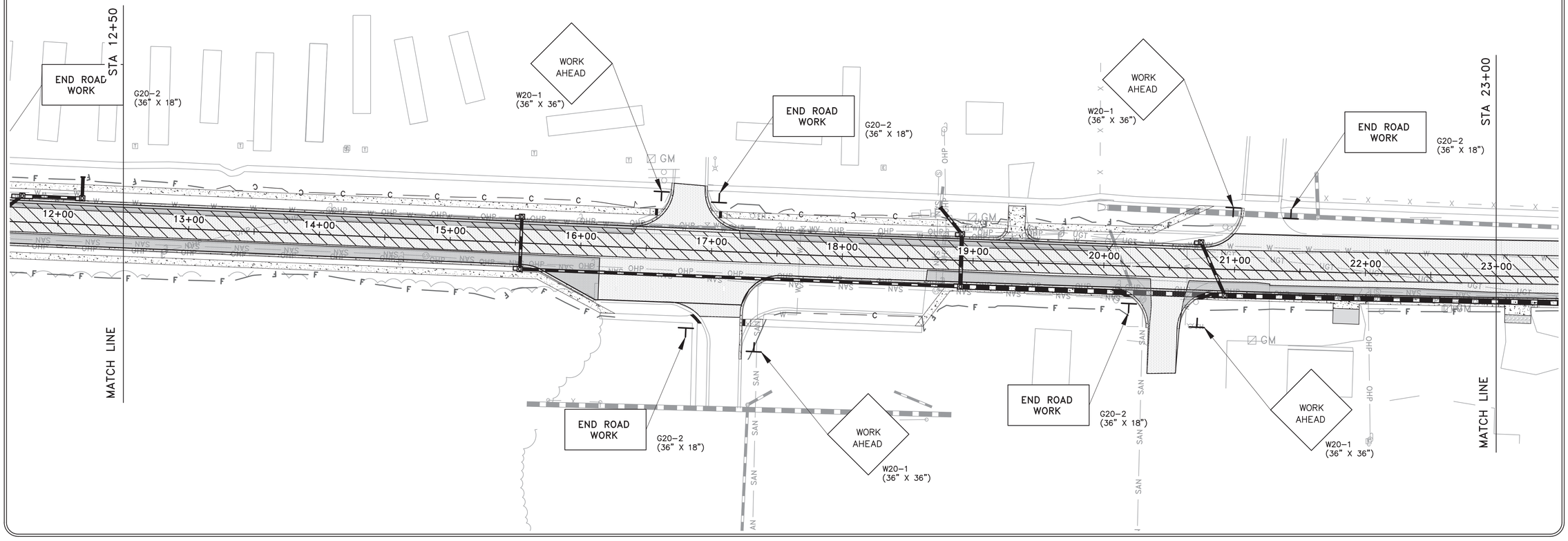
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640 CE
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	COF
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 40'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C33



STAGE 2:

1. SHIFT LANES AND ADJUST DRUM PLACEMENT AS NEEDED TO NEWLY WIDENED LANES.
2. LEVEL EXISTING LANES.
3. CONSTRUCT SIDE STREET APPROACHES.
4. OVERLAY ENTIRE PROJECT WITH SURFACE COURSE.
5. MAINTAIN ACCESS TO ALL DRIVES THROUGH THE DURATION OF CONSTRUCTION.



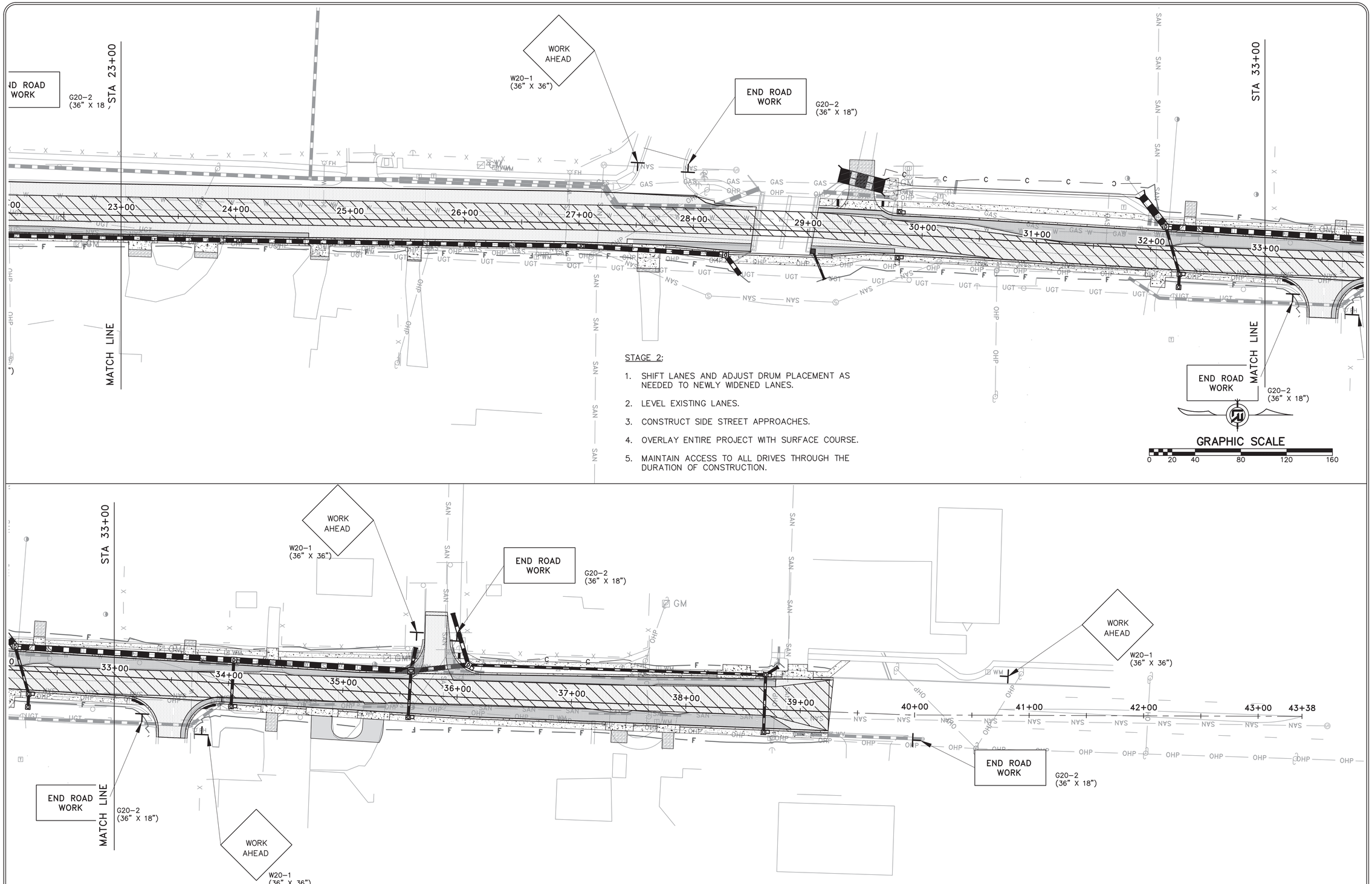
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
MAINTENANCE OF TRAFFIC PLAN (3)
PHASE II

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	COF
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 40'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C34



STAGE 2:

1. SHIFT LANES AND ADJUST DRUM PLACEMENT AS NEEDED TO NEWLY WIDENED LANES.
2. LEVEL EXISTING LANES.
3. CONSTRUCT SIDE STREET APPROACHES.
4. OVERLAY ENTIRE PROJECT WITH SURFACE COURSE.
5. MAINTAIN ACCESS TO ALL DRIVES THROUGH THE DURATION OF CONSTRUCTION.

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
MAINTENANCE OF TRAFFIC PLAN (4)
PHASE II

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	COF
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 40'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C35

GRAPHIC SCALE

0 20 40 80 120 160

REVISIONS	DATE

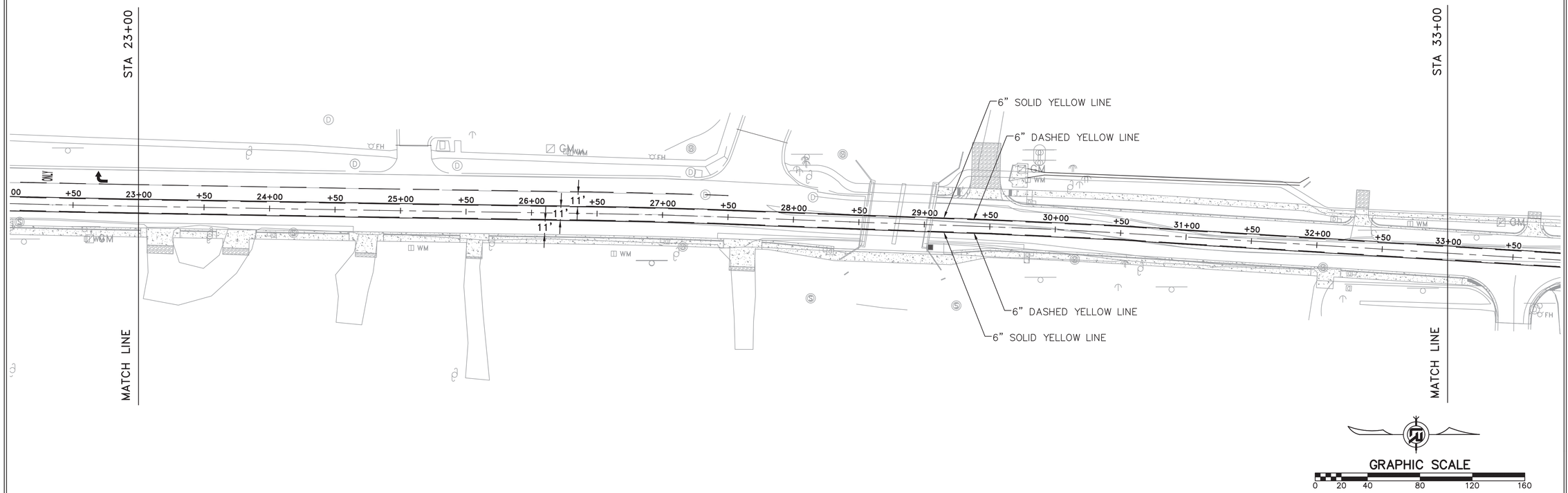
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

SIGNAGE AND MARKING PLAN (1)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

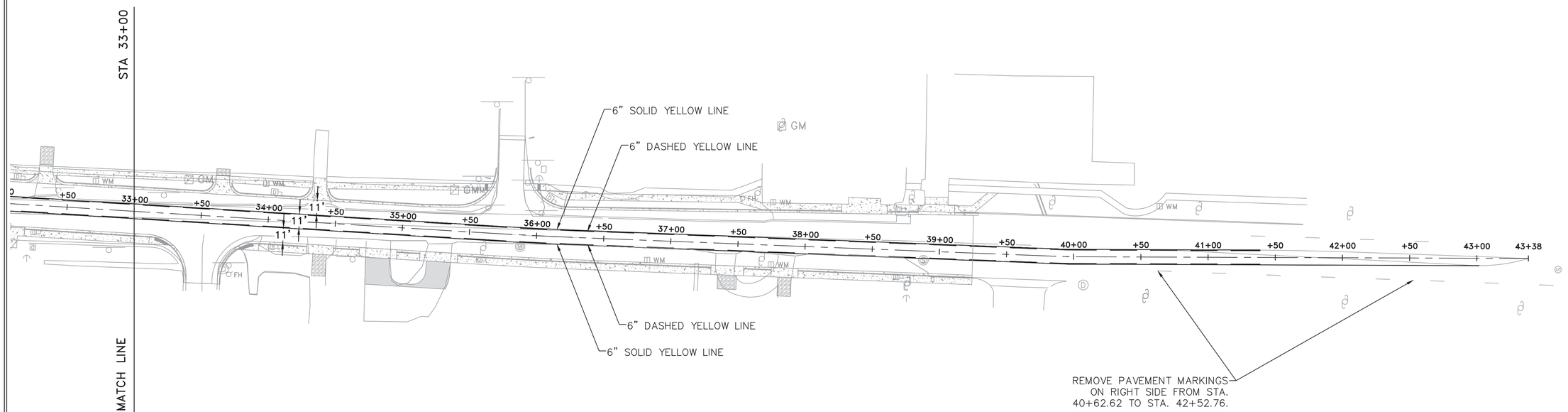
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 40'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C36



GRAPHIC SCALE

0 20 40 80 120 160



REVISIONS	DATE

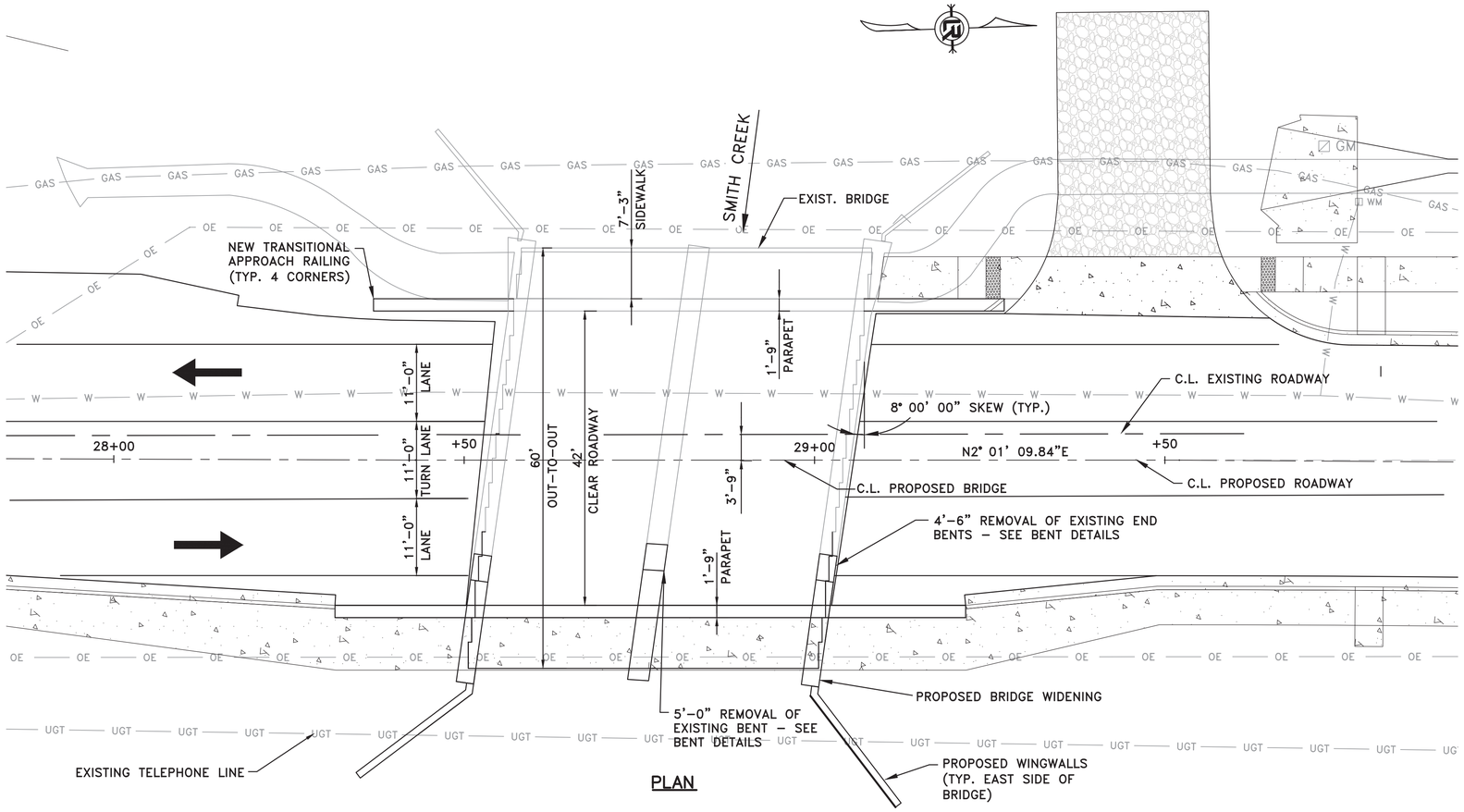
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

SIGNAGE AND MARKING PLAN (2)

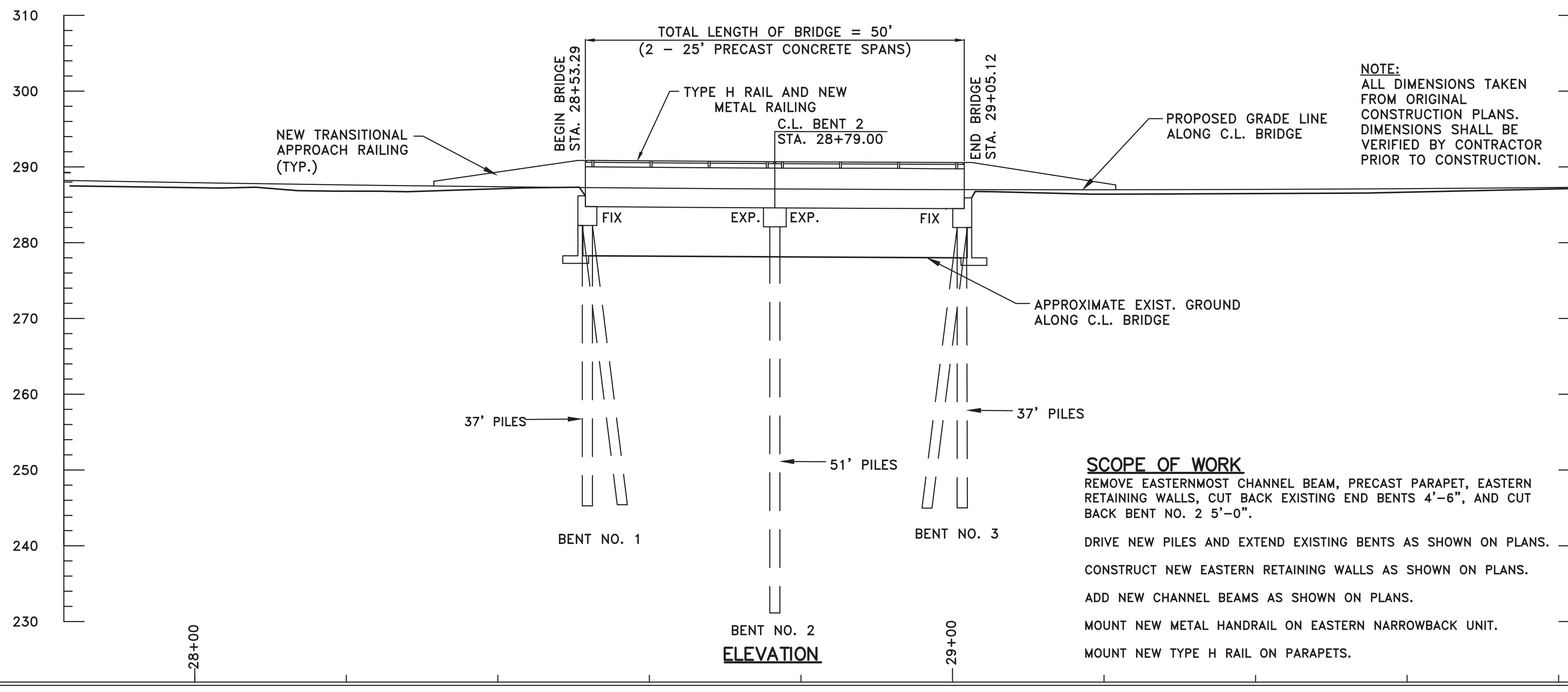
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	1" = 40'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	C37



PLAN



ELEVATION

NOTE:
ALL DIMENSIONS TAKEN FROM ORIGINAL CONSTRUCTION PLANS. DIMENSIONS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

SCOPE OF WORK

REMOVE EASTERNMOST CHANNEL BEAM, PRECAST PARAPET, EASTERN RETAINING WALLS, CUT BACK EXISTING END BENTS 4'–6", AND CUT BACK BENT NO. 2 5'–0".

DRIVE NEW PILES AND EXTEND EXISTING BENTS AS SHOWN ON PLANS.

CONSTRUCT NEW EASTERN RETAINING WALLS AS SHOWN ON PLANS.

ADD NEW CHANNEL BEAMS AS SHOWN ON PLANS.

MOUNT NEW METAL HANDRAIL ON EASTERN NARROWBACK UNIT.

MOUNT NEW TYPE H RAIL ON PARAPETS.

GRAPHIC SCALE
0 5 10 20 30 40

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS:
CITY OF LITTLE ROCK CONTRACT CONDITIONS AND SPECIFICATIONS (NOVEMBER 2015)

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2014 EDITION) WITH APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS. UNLESS NOTED OTHERWISE IN THE PLANS, SECTION AND SUBSECTION NUMBERS REFER TO THE CONSTRUCTION SPECIFICATIONS.

DESIGN SPECIFICATIONS: (FOR NEW WORK)
STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES (17TH EDITION – 2002)
LIVE LOADING: HS20

MATERIALS AND STRENGTHS:

CLASS S(AE) CONCRETE	f'c = 4,000 PSI
CLASS S CONCRETE	f'c = 3,500 PSI
REINFORCING STEEL (AASHTO M31 OR M322, TYPE A, GR. 60)	fy = 60,000 PSI
STRUCTURAL STEEL (ASTM A709, GR. 36)	Fy = 36,000 PSI

SHOP DRAWINGS & REQUEST FOR SUBSTITUTIONS:
ALL SHOP DRAWINGS AND REQUEST FOR SUBSTITUTIONS SHALL BE SENT TO THE SEALING ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

CONCRETE:
CONCRETE SHALL BE POURED IN THE DRY AND ALL EXPOSED CORNERS TO BE CHAMFERED ¾" UNLESS OTHERWISE NOTED. ALL SUPERSTRUCTURE CONCRETE SHALL BE CLASS S(AE) WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH f'c = 4,000 PSI. ALL SUBSTRUCTURE CONCRETE SHALL BE CLASS S WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF f'c = 3,500 PSI.

THE CONCRETE BETWEEN CURBS SHALL BE GIVEN A GROOVED FINISH IN ACCORDANCE WITH SUBSECTION 802.19 FOR CLASS 7 GROOVED BRIDGE ROADWAY SURFACE FINISH. SIDEWALKS SHALL BE GIVEN A CLASS 6 BROOMED FINISH. THE EXTERIOR VERTICAL FACES OF THE PRECAST UNITS SHALL BE GIVEN A CLASS 3 TEXTURED COATING FINISH PER SECTION 802.19(b)(3). IN ADDITION, ALL EXPOSED SURFACES OF THE EXISTING CONCRETE END BENTS, INTERMEDIATE BENT, WINGWALLS, AND TOP AND SIDES OF CONCRETE PARAPETS SHALL BE GIVEN A CLASS 3 TEXTURED COATING FINISH PER SUBSECTION 802.19(b)(3). TEXTURE COATING THE EXISTING CONCRETE SURFACES SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE SUBSIDIARY TO OTHER ITEMS OF WORK.

CONCRETE PILING
PILING IN BENTS 1 THROUGH 3 SHALL BE 16" SQUARE PRECAST CONCRETE AND SHALL BE DRIVEN WITH AN APPROVED AIR, STEAM OR DIESEL HAMMER TO A MINIMUM SAFE BEARING CAPACITY OF 95 TONS PER PILE IN BENTS 1 AND 3, AND 140 TONS PER PILE AT BENT 2.

PILING IN END BENTS SHALL BE DRIVEN AFTER EMBANKMENT TO BOTTOM OF CAP IS IN PLACE. DRIVE ALL PILES TO A MINIMUM PENETRATION OF 20' BELOW NATURAL GROUND. LENGTHS OF PILING SHOWN ARE ASSUMED FOR ESTIMATING QUANTITIES ONLY. ACTUAL LENGTHS ARE TO BE DETERMINED IN THE FIELD. NO ADDITIONAL PAYMENT WILL BE MADE FOR CUT–OFF OR BUILD–UP. TEST PILES ARE NOT REQUIRED, BUT MAY BE DRIVEN FOR THE CONTRACTOR'S INFORMATION IN ACCORDANCE WITH SUBSECTION 805.08(G).

REINFORCING STEEL:
ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 OR M322, TYPE A GR. 60. MILL TEST REPORTS SHALL BE SUBMITTED FOR REINFORCING STEEL. THE REINFORCING STEEL IS TO BE ACCURATELY LOCATED IN THE FORMS AND FIRMLY HELD IN PLACE BY STEEL WIRE SUPPORTS, SUFFICIENT IN NUMBER AND SIZE TO PREVENT DISPLACEMENT DURING THE COURSE OF CONSTRUCTION. THE WIRE SUPPORTS WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO THE ITEM "REINFORCING STEEL (GRADE 60)."

EXISTING UTILITIES:
THERE IS A POSSIBILITY THAT UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. ALL EXISTING UTILITIES MAY NOT BE SHOWN ON THE PLANS, AND THE LOCATION OF THE UTILITIES MAY VARY FROM THE APPROXIMATE LOCATION SHOWN ON THE PLANS. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITY 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 AN EMERGENCY). THE ONE–CALL SYSTEM PHONE NUMBER IS 1–800–482–8998. 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 SYSTEM.

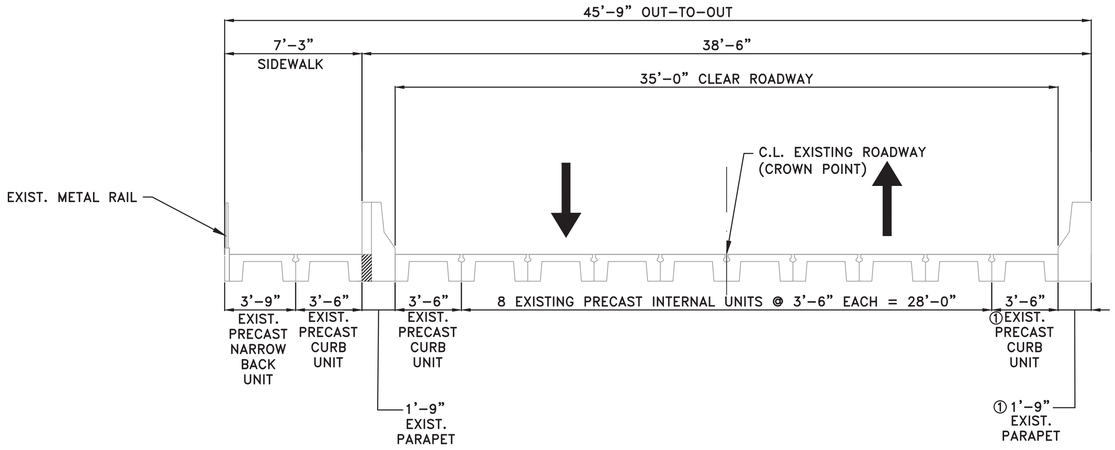
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION
LAYOUT OF BRIDGE

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.18018
JUSTIN P. CARNEY
2/3/2020

DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	06/2019
SCALE	1" = 10'
PROJECT NO.	CLR#7-17-ST-357
SHEET NO.	S1



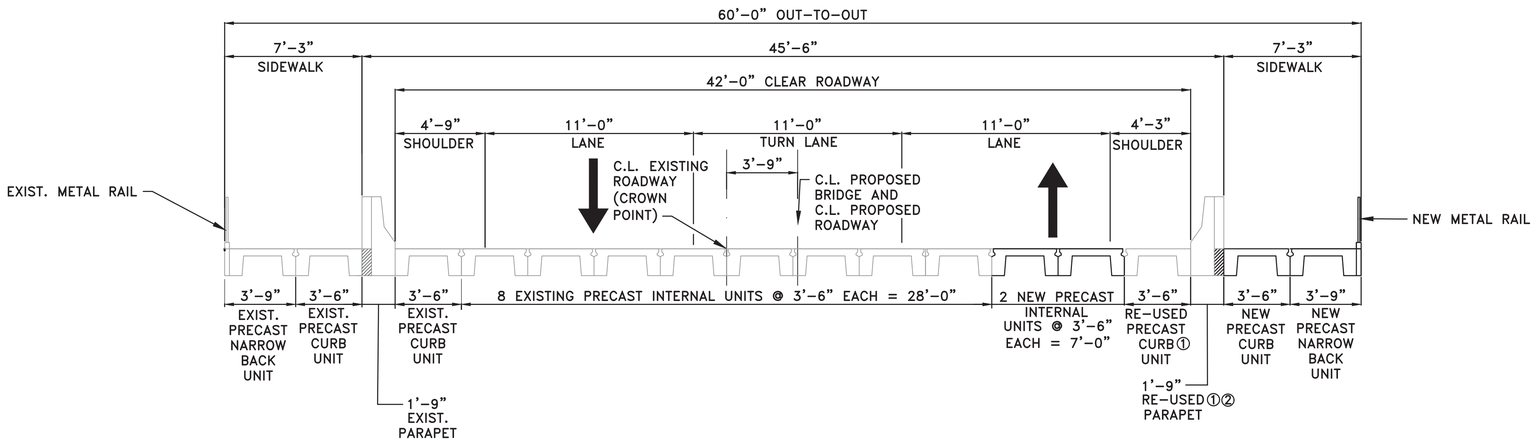
TYPICAL SECTION – EXISTING PRECAST BRIDGE DECK
(LOOKING FORWARD)

NOTES:

① RE–USE EXISTING PRECAST CURB UNIT AND PRECAST PARAPET UNIT IN WIDENED BRIDGE.

② FILL 6" VOID BETWEEN RE–USED PARAPET AND NEW CURB UNIT WITH CLASS–S CONCRETE SIMILAR TO EXISTING WEST SIDE OF BRIDGE. ALL CONCRETE, REINFORCEMENT, FABRICATION, AND ERECTION TO COMPLETE THE WORK SHALL BE CONSIDERED SUBSIDIARY AND PAID FOR UNDER THE UNIT PRICE BID FOR "25' PRECAST CONCRETE CURB UNIT".

ALL DIMENSIONS TAKEN FROM ORIGINAL CONSTRUCTION PLANS. DIMENSIONS SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.



TYPICAL SECTION – WIDENED PRECAST BRIDGE DECK
(LOOKING FORWARD)

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION
TYPICAL SECTION

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18018
JUSTIN P. CARNEY
2/3/2020

DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	06/2019
SCALE	1/4" = 1'-0"
PROJECT NO.	CLR#7-17-ST-357
SHEET NO.	S2

BORING LOG NO. B-1

PROJECT: Chicot Road Expansion

CLIENT: Michael Baker International, LLC
Little Rock, Arkansas

SITE: Chicot Road
Little Rock, Arkansas

LOCATION See Exhibit A-2
Latitude: 34.6506° Longitude: -92.3633°

DEPTH	GRAPHIC LOG	DEPTH (FT.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (psf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
0.0												
					7-4-4 N=8				16		NP	
					6-7-3 N=10				22			
					2-2-2 N=4				19			
5.0		5			3-4-4 N=8				16			
					2-2-7 N=9						NP	22
13.5		10										
					3-5-6 N=11				40			
		15										
					8-12-10 N=22				36		102-27-75	98
		20										
					6-9-11 N=20				35			
		25										

FILL - SILTY SAND (SM), brown, rocks and boulders while drilling, very little recovery

SILTY SAND (SM), brown, reddish-brown and gray, loose

FAT CLAY (CH), gray and dark gray, stiff to very stiff

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
0 to 10 feet: Hollow-stem auger
10 to 50 feet: Wash rotary with 2-7/8" drag bit

Abandonment Method:
Boring backfilled with Auger Cuttings and/or Bentonite

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
Water level not determined

Terracon
25809 I 30
Bryant, AR

Boring Started: 02-18-2019 | Boring Completed: 02-18-2019
Drill Rig: | Driller: JB
Project No.: 35185100 | Exhibit: A-1

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 35185100 CHICOT ROAD EXPAN.GPJ MODELLAYER.GPJ 3/12/19

BORING LOG NO. B-1

PROJECT: Chicot Road Expansion

CLIENT: Michael Baker International, LLC
Little Rock, Arkansas

SITE: Chicot Road
Little Rock, Arkansas

LOCATION See Exhibit A-2
Latitude: 34.6506° Longitude: -92.3633°

DEPTH	GRAPHIC LOG	DEPTH (FT.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (psf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
		30			6-11-14 N=25				36			
33.5												
		35			6-11-12 N=23				34		88-31-57	78
					11-50/2"				26			
		40										
					50/6"				31			
		45										
					28-16-17 N=33				31			
50.0		50										

FAT CLAY (CH), gray and dark gray, stiff to very stiff *(continued)*

FAT CLAY WITH SAND (CH), gray, very stiff to hard

Boring Terminated at 50 Feet

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
0 to 10 feet: Hollow-stem auger
10 to 50 feet: Wash rotary with 2-7/8" drag bit

Abandonment Method:
Boring backfilled with Auger Cuttings and/or Bentonite

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

WATER LEVEL OBSERVATIONS
Water level not determined

Terracon
25809 I 30
Bryant, AR

Boring Started: 02-18-2019 | Boring Completed: 02-18-2019
Drill Rig: | Driller: JB
Project No.: 35185100 | Exhibit: A-1

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 35185100 CHICOT ROAD EXPAN.GPJ MODELLAYER.GPJ 3/12/19

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION

BORING LOG (1)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18018
JUSTIN P. CARNEY
2/3/2020

DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	06/2019
SCALE	NO SCALE
PROJECT NO.	CLR#7-17-ST-357
SHEET NO.	S3

BORING LOG NO. B-2

PROJECT: Chicot Road Expansion

CLIENT: Michael Baker International, LLC
Little Rock, Arkansas

SITE: Chicot Road
Little Rock, Arkansas

LOCATION See Exhibit A-2
Latitude: 34.6504° Longitude: -92.3633°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (psf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
0.7												
	PORTLAND CEMENT CONCRETE - 8 inches											
	SILTY SAND (SM), trace gravel, fine grained, brown and gray, medium dense to very loose			6-7-8 N=15				9				
				5-4-3 N=7				12				34
		5		2-1-2 N=3				15				
				1-1-1 N=2				16				
			▽									
				2-2-1 N=3				21				13
13.5		10										
	FAT CLAY (CH), dark gray, stiff to hard			3-4-6 N=10				41				
		15										
				6-8-12 N=20				37			100-27-73	99
		20										
				7-10-12 N=22				37				
		25										

Stratification lines are approximate. In-situ, the transition may be gradual. Hammer Type: Automatic

Advancement Method: 0 to 50 feet: Hollow-stem auger	See Exhibit A-3 for description of field procedures. See Appendix B for description of laboratory procedures and additional data (if any).	Notes:	
Abandonment Method: Boring backfilled with Auger Cuttings and/or Bentonite	See Appendix C for explanation of symbols and abbreviations.		
WATER LEVEL OBSERVATIONS	Terracon 25809 I 30 Bryant, AR	Boring Started: 02-15-2019	Boring Completed: 02-15-2019
▽ 8.5 feet while drilling		Drill Rig:	Driller: JB
		Project No.: 35185100	Exhibit: A-2

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 35185100 CHICOT ROAD EXPAN.GPJ MODELLAYER.GPJ 3/12/19

BORING LOG NO. B-2

PROJECT: Chicot Road Expansion

CLIENT: Michael Baker International, LLC
Little Rock, Arkansas

SITE: Chicot Road
Little Rock, Arkansas

LOCATION See Exhibit A-2
Latitude: 34.6504° Longitude: -92.3633°

DEPTH	GRAPHIC LOG	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	STRENGTH TEST: TEST TYPE	STRENGTH TEST: COMPRESSIVE STRENGTH (psf)	STRENGTH TEST: STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	ATTERBERG LIMITS: LL-PL-PI	PERCENT FINES
	FAT CLAY (CH), dark gray, stiff to hard *(continued)*			8-10-13 N=23				34				
		30										
				6-8-12 N=20				36				
		35										
				8-13-21 N=34				30			72-19-53	87
	- sandy at about 43.5 feet	40										
				50/2"				22				
		45										
50.0				13-13-19 N=32				33				
	Boring Terminated at 50 Feet	50										

Stratification lines are approximate. In-situ, the transition may be gradual. Hammer Type: Automatic

Advancement Method: 0 to 50 feet: Hollow-stem auger	See Exhibit A-3 for description of field procedures. See Appendix B for description of laboratory procedures and additional data (if any).	Notes:	
Abandonment Method: Boring backfilled with Auger Cuttings and/or Bentonite	See Appendix C for explanation of symbols and abbreviations.		
WATER LEVEL OBSERVATIONS	Terracon 25809 I 30 Bryant, AR	Boring Started: 02-15-2019	Boring Completed: 02-15-2019
▽ 8.5 feet while drilling		Drill Rig:	Driller: JB
		Project No.: 35185100	Exhibit: A-2

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL 35185100 CHICOT ROAD EXPAN.GPJ MODELLAYER.GPJ 3/12/19

REVISIONS	DATE

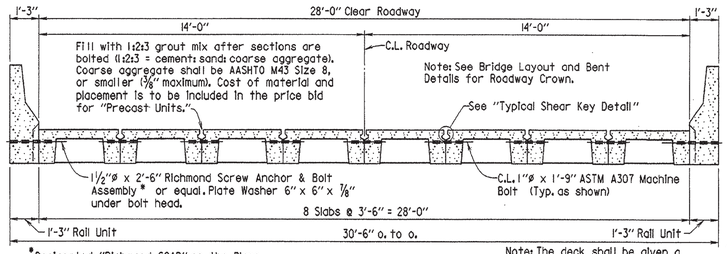
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION

BORING LOG (2)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.18018
JUSTIN P. CARNEY
2/3/2020

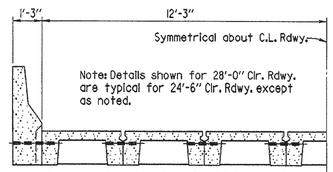
DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	06/2019
SCALE	NO SCALE
PROJECT NO.	CLR#7-17-ST-357
SHEET NO.	S4



*Designated "Richmond SCAB" on the Plans.

CROSS-SECTION OF 28'-0" CLR. RDWY. (SHOWING ASSEMBLY)

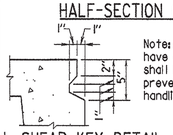
Scale: ⅜" = 1'-0"



HALF-SECTION OF 24'-6" CLR. ROADWAY

Scale: ⅜" = 1'-0"

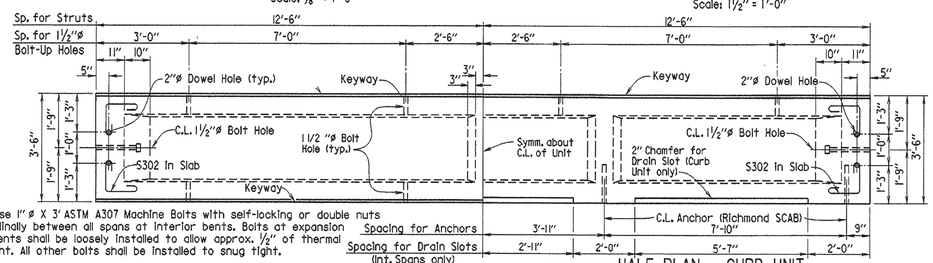
Note: The deck shall be given a tine finish as specified for Class 5 Roadway Surface Finish in subsection 802.19 of the Standard Specifications.



Note: All corners exposed after erection shall have a ½" minimum chamfer. All other corners shall have sufficient chamfer or rounding to prevent breakage during form removal, handling and erection.

TYPICAL SHEAR KEY DETAIL

Scale: 1½" = 1'-0"



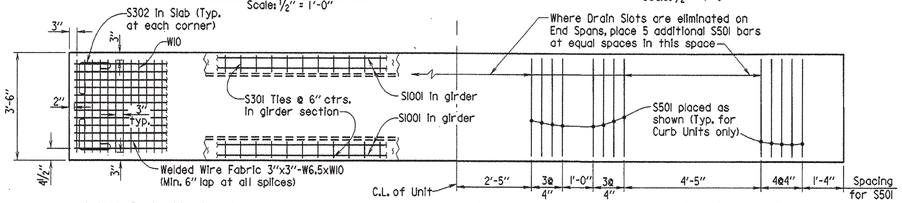
Note: Use 1" ø X 3' ASTM A307 Machine Bolts with self-locking or double nuts longitudinally between all spans at interior bents. Bolts at expansion joint bents shall be loosely installed to allow approx. ½" of thermal movement. All other bolts shall be installed to snug tight.

HALF PLAN - INTERIOR UNIT

Scale: ½" = 1'-0"

HALF PLAN - CURB UNIT

Scale: ½" = 1'-0"

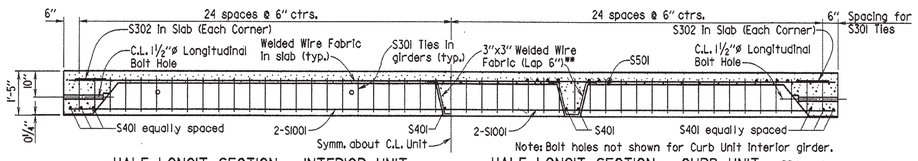


HALF REINFORCING PLAN - CURB & INT. UNITS

Scale: ½" = 1'-0"

HALF REINFORCING PLAN - CURB UNIT ONLY

Scale: ½" = 1'-0"



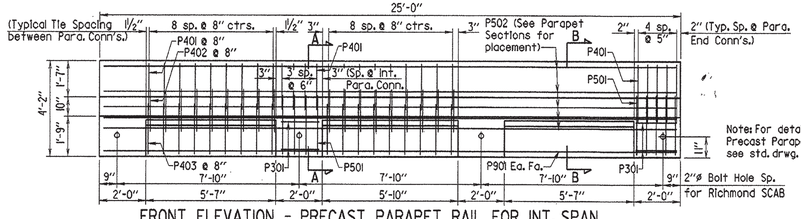
HALF LONGIT. SECTION - INTERIOR UNIT

Scale: ½" = 1'-0"

HALF LONGIT. SECTION - CURB UNIT

Scale: ½" = 1'-0"

**5 - #3 Stirrups @ 6" ctrs. may be used in place of wire fabric in strut.



Note: For details and bar list for Precast Parapet Rail at End Span, see std. drwg. no. 15230.

FRONT ELEVATION - PRECAST PARAPET RAIL FOR INT. SPAN

Scale: ⅜" = 1'-0"

BAR LIST FOR PRECAST BRIDGE COMPONENTS

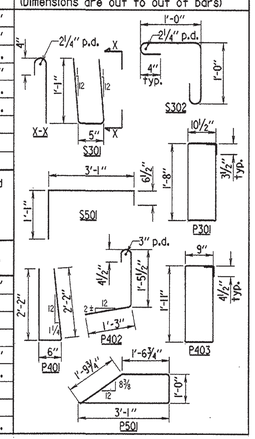
PRECAST SLAB UNIT

Note: Bars designated with an "E" are to be epoxy coated.

MARK	NUMBER REQUIRED CURB UNIT	NUMBER REQUIRED INT. UNIT	LENGTH	P.D.
S30I	98	98	3'-3½"	1½"
S302	4	4	2'-9"	1½"
S40I	10	8	3'-2"	Str.
S50I	26 (A)	-	4'-6"	2½"
S60IE	(B)	(B)	1'-11"	Str.
S100I	4	4	24'-8"	Str.

(A) Plus 5 additional for each Drain Slot eliminated
(B) 2 Per Fixed end of each Unit

BENDING DIAGRAMS (Dimensions are out to out of bars)



PRECAST PARAPET RAIL UNIT

MARK	NUMBER REQUIRED END SPAN	NUMBER REQUIRED INT. SPAN	LENGTH	P.D.
P30I	See Std. Drwg. No. 6230	8	5'-4"	1½"
P40I		45	4'-8"	2"
P402		27	3'-1½"	2"
P403		27	5'-8"	2"
P50I		18	7'-2"	2½"
P502		9	24'-8"	Str.
P90I		2	24'-8"	Str.

GENERAL NOTES

All Reinforcing steel shall be AASHTO M31 or M53, Grade 60. Wire fabric shall be AASHTO M55 or M221. Reinforcing steel and wire fabric shall be accurately located in the forms and securely held in place by steel wire supports.

Concrete for precast units shall be Class S(AE) except that the coarse aggregate size shall meet AASHTO M43, Size 67 (¾" Max.).

Standard washers shall be provided under head and nut of all bolts in connection with concrete. Bolts shall be A307. All bolts, washers and nuts shall be galvanized to meet AASHTO M232, Class C or M298, Class 50.

Screw Anchor and Bolt Assembly (SCAB) shall be 1½"ø Richmond Screw Anchor or equal, and have a minimum ultimate strength of 65,000 psi in tension. Assembly shall be galvanized to meet AASHTO M232, Class C or M298, Class 50. Plate Washers for SCAB shall be AASHTO M270, Grade 36 and shall be galvanized to meet AASHTO M111.

Camber required for dead load deflection is ¼". Deviation of more than ¼" in dimension of grade or line will be cause for rejection.

2 Concrete, reinforcing, wire mesh, bar supports, bolts, nuts, washers, threaded anchors, grout, roofing felt bearing pad and expansion joint fillers are considered subsidiary to the pay items for the Precast Concrete Units. Roofing felt shall meet or exceed the requirements of ASTM D224 Type I. See Section 802.18(d). The roofing felt shall be in one piece for the full length of the cap and three layers shall be used.

Ends of adjacent units shall be coated (⅛"±) with asphaltic paint. The coating shall adhere and set firm and its softening point shall not be less than 140°F.

Bid Items shall be as follows:
"25' Precast Concrete Curb Units"
"25' Precast Concrete Interior Units"
"25' Precast Parapet Rail Units"

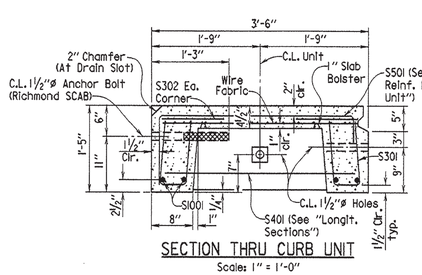
4 Design Specifications: AASHTO 2002
Method of Design: Load Factor
Live Loading: HS 20, 0.9 Wheels per Unit
Materials: 28 Day compressive strength of Concrete = 4,000 psi
Yield strength of Grade 60 Steel = 60,000 psi
Yield strength of Wire Fabric = 65,000 psi

Seismic Performance Category: A, B or C

Seismic Performance Category A:
1. Maximum spacing between 1 inch Expansion Joints is 155 feet.
2. 2"ø Dowel holes at expansion ends are not required. Grout holes if they exist.

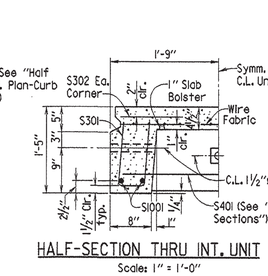
Seismic Performance Category B or C:
1. All bents shall be fixed.
2. Do not use this drawing with bridge lengths that exceed 155 feet in Category B or 93 feet in Category C.

Note: For details and bar list for Precast Parapet Rail at End Span, see std. drwg. no. 15230.



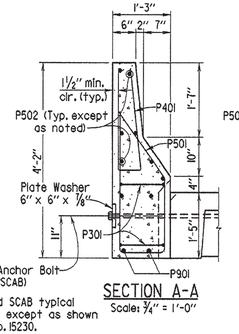
SECTION THRU CURB UNIT

Scale: 1" = 1'-0"



HALF-SECTION THRU INT. UNIT

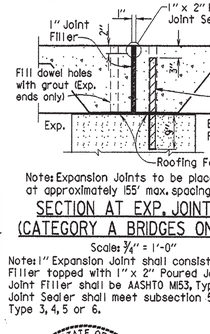
Scale: 1" = 1'-0"



Note: 1½" x 2'-6" Richmond SCAB typical for all connections except as shown in View A-A, Drwg. No. 15230.

SECTION A-B

Scale: ¾" = 1'-0"



Note: Expansion Joints to be placed at approximately 155' max. spacings.

SECTION AT EXP. JOINT (CATEGORY A BRIDGES ONLY)

Scale: ¾" = 1'-0"

Note: 1" Expansion Joint shall consist of 1" Joint Filler topped with 1" x 2" Poured Joint Sealer. Joint Filler shall be AASHTO M153, Type I. Poured Joint Sealer shall meet subsection 501.02(h) (2), Type 3, 4, 5 or 6.

SECTION AT FIXED BENT

No Scale

Note: After each unit is in its final position, S60IE Dowels shall be grouted in place using a QPL approved non-shrink grout that completely fills the holes.

4 Revised for current specifications and P.E. stamp 10-09-03 MJT Chk'd. By: JGT
3 Revised S60I bars to S60IE 11-16-2001, JAC Chk'd. By: JGT
2 Revised type of bearing pad material and grout specifications. 01-12-2000, AMS
1 Revised for 1996 Specs. and Redrawn 02-20-97 MJT Chk'd. By: RLW Date: 1-31-97

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 4337
CHARLES P. BRAND
BRIDGE ENGINEER

DETAILS OF STANDARD 25'-0" PRECAST CONCRETE SPANS 28'-0" & 24'-6" CLEAR ROADWAYS

ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: MJT DATE: 01-09-97
CHECKED BY: RLW DATE: 01-31-97
DESIGNED BY: STD. DATE: -
SCALE: As Shown

BRIDGE NO. DRAWING NO. 15241

BI524LSTD

FILENAME: BI5240. STD

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED
6-24-94	6-27-94	11-16-2001	
2-20-97	2-20-97	10-09-03	
01-12-2000	01-12-2000		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	ARK.			
JOB NO.			20	

1 25' PRECAST SPAN 15241

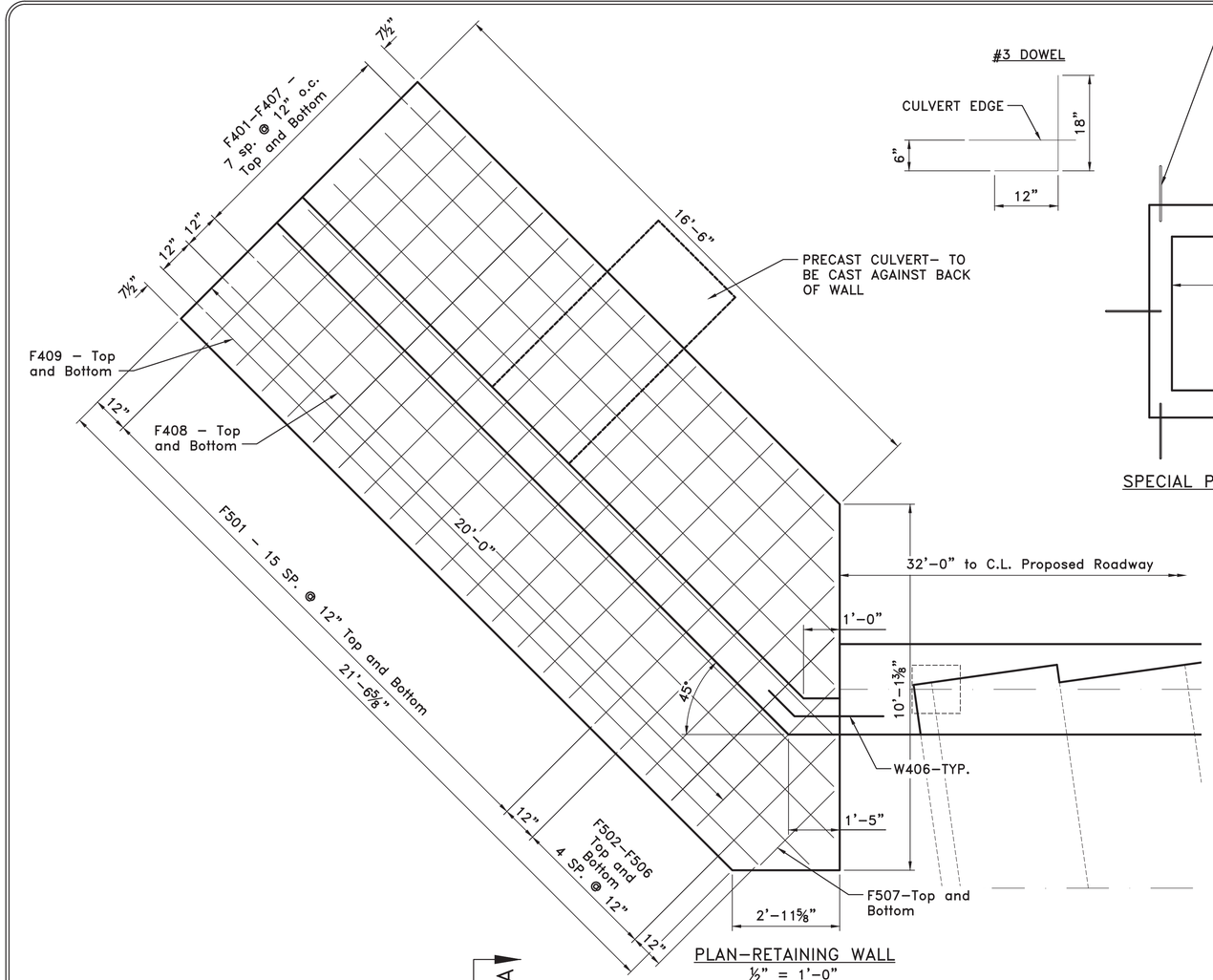
REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION
CHANNEL BEAMS

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18018
JUSTIN P. CARNEY
2/3/2020

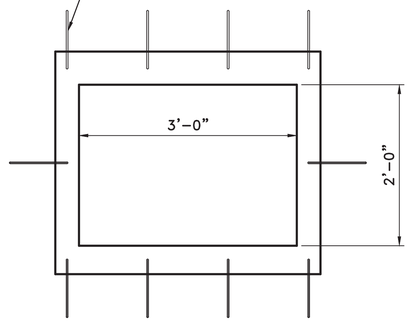
DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	06/2019
SCALE	NO SCALE
PROJECT NO.	CLR#7-17-ST-357
SHEET NO.	S5



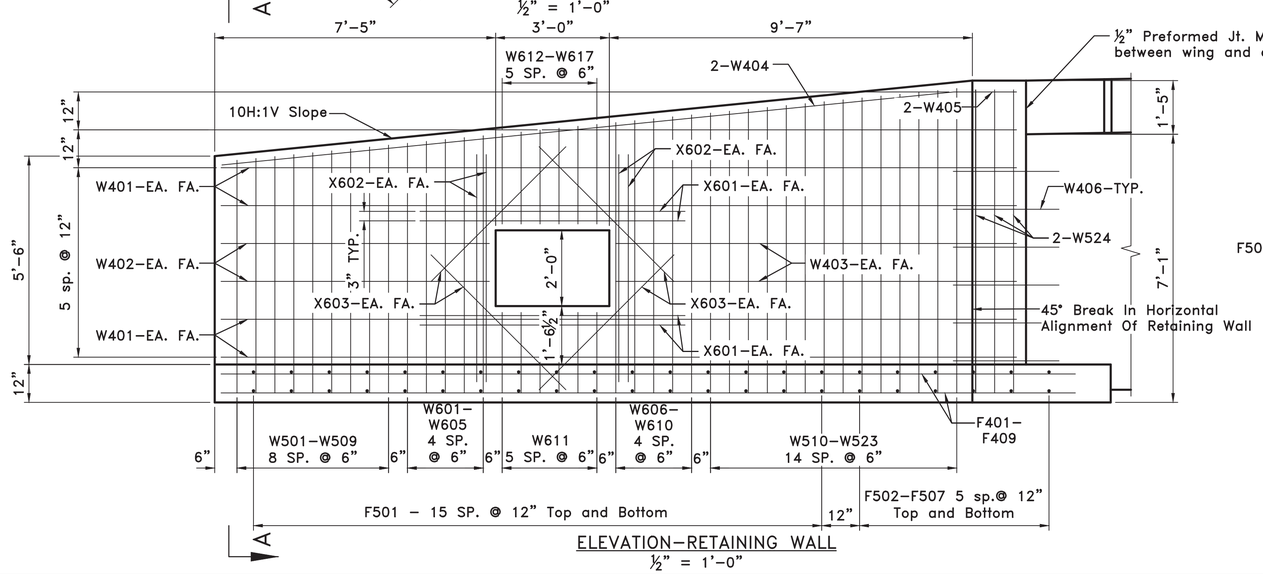
PLAN–RETAINING WALL
½" = 1'-0"

#3 DOWEL

#3 DOWELS TO BE CAST INTO THE PRECAST CULVERT, AND THEN CAST INTO THE RETAINING WALL. DOWELS SHALL PROTRUDE OUT OF THE CULVERT 6". BARS SHALL NOT BE PAID FOR DRECTLY BUT CONSIDERED SUBSIDIARY TO THE CULVERT.



SPECIAL PRECAST CULVERT DETAILS
NO SCALE

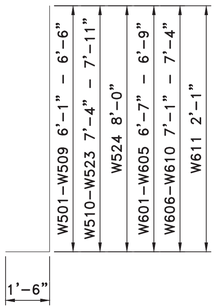


ELEVATION–RETAINING WALL
½" = 1'-0"

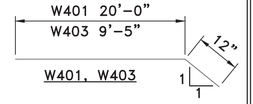
BAR LIST – SLAB & FOOTING

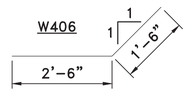
MARK	NO. REQ'D.	LENGTH	P.D.
F401–F407	2 each	16'-5" to 22'-6"	STR.
F408	2	22'-6"	STR.
F409	2	21'-6"	STR.
F501	32	8-9"	STR.
F502–F506	2 each	4'-1" to 8'-1"	STR.
F507	2	2'-7"	STR.
W401	8	21'-0"	3"
W402	4	7'-1"	STR.
W403	4	10'-5"	3"
W404	2	19'-5"	STR.
W405	2	1'-4"	STR.
W406	6	3'-11"	3"
W501–W509	2 each	7'-5" to 7'-11"	3¾"
W510–W523	2 each	8'-6" to 9'-4"	3¾"
W524	6	9'-4"	3¾"
W601–W605	2 each	8'-0" to 8'-2"	4½"
W606–W610	2 each	8'-6" to 8'-9"	4½"
W611	12	3'-6"	4½"
W612–W617	2 each	2'-4" to 2'-8"	STR.
X601	8	7'-0"	STR.
X602	8	6'-0"	STR.
X603	8	5'-1"	STR.

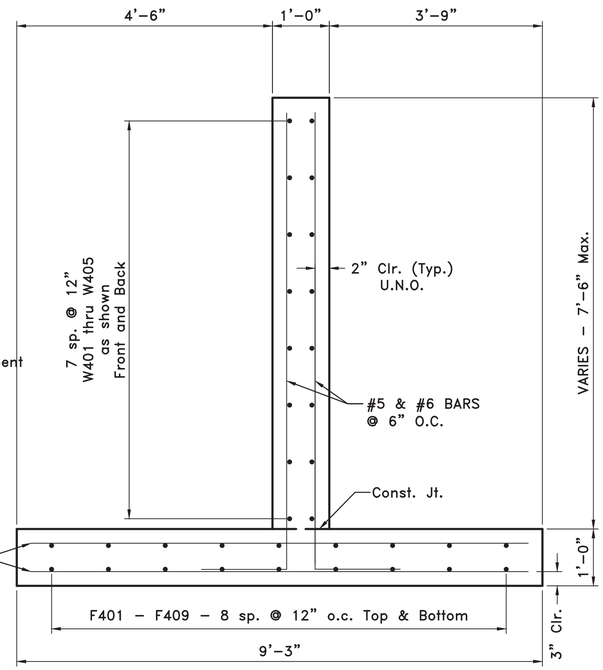
DIMENSIONS ARE OUT TO OUT OF BARS.



W501–W524
W601–W611







SECTION A–A
¾" = 1'-0"

GENERAL NOTES

ALL CONCRETE SHALL BE CLASS "S" WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH f'c = 3,500 PSI. CONCRETE SHALL BE POURED IN THE DRY AND ALL EXPOSED CORNERS TO BE CHAMFERED ¾" UNLESS OTHERWISE NOTED.

ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 OR M322, GRADE 60 (YIELD STRENGTH = 60,000 PSI.).

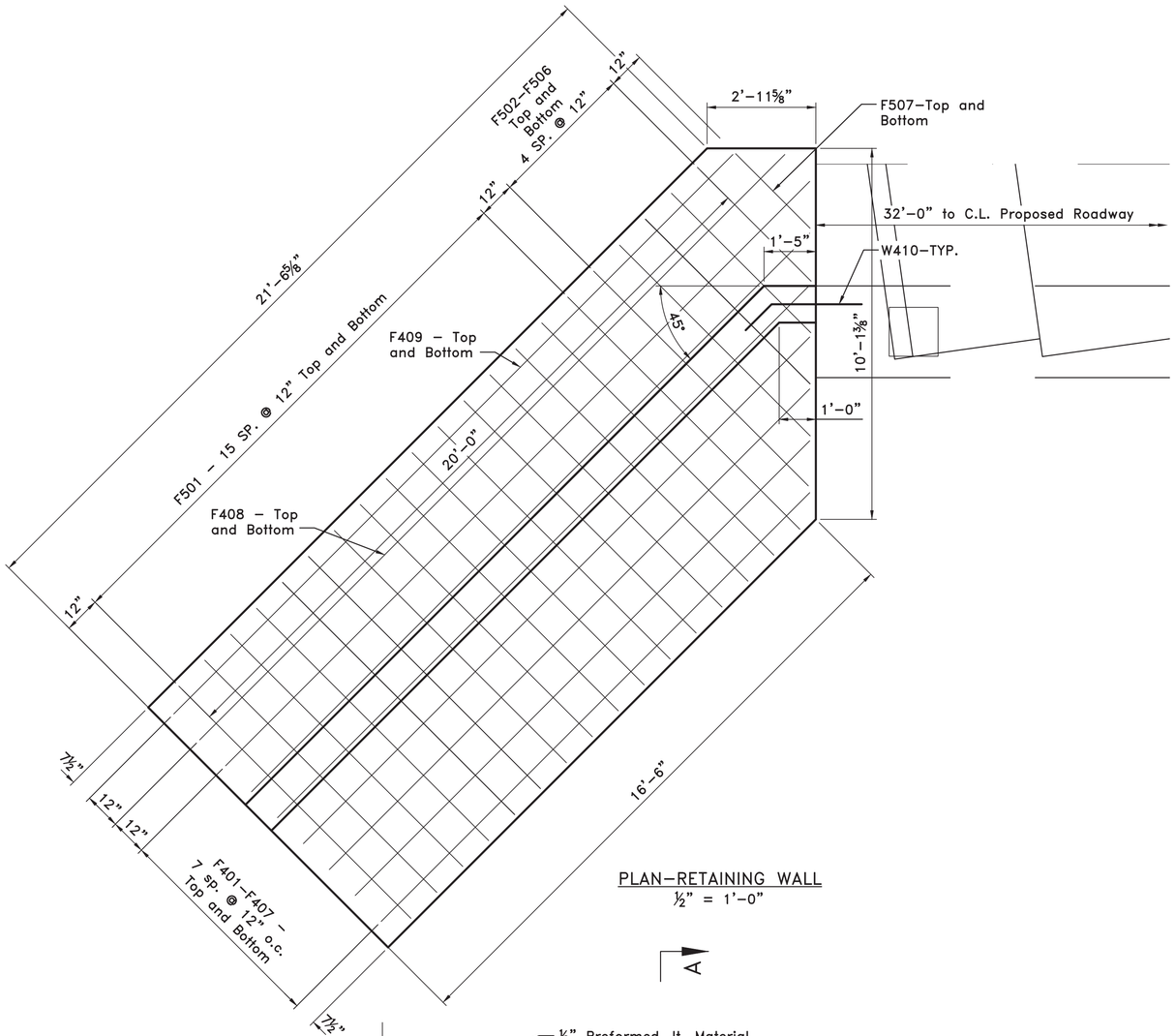
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION
BENT 1 RETAINING WALL

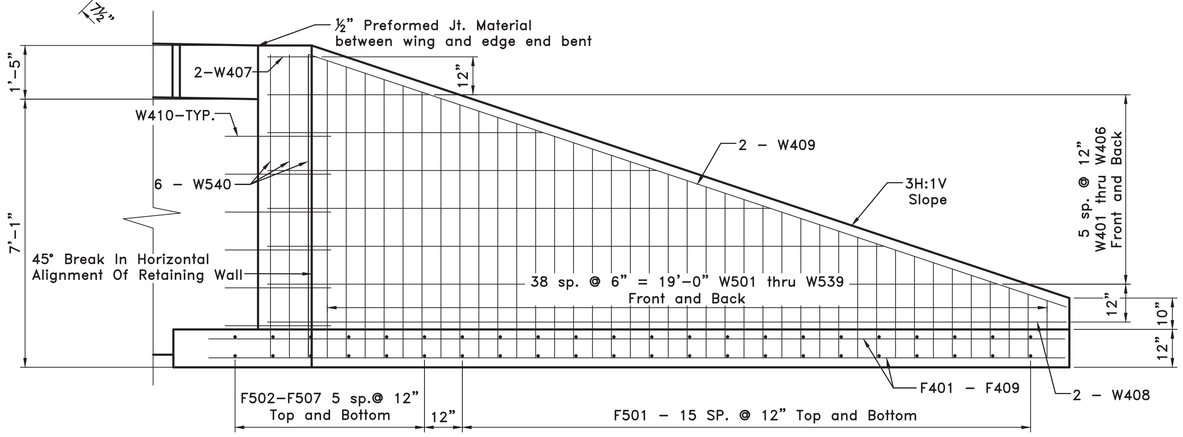
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.18018
JUSTIN P. CARNES
2/3/2020

DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	06/2019
SCALE	AS NOTED
PROJECT NO.	CLR #7-17-ST-357
SHEET NO.	S6



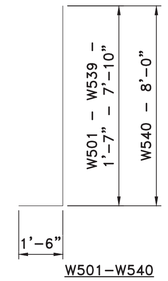
PLAN–RETAINING WALL
½" = 1'–0"



ELEVATION–RETAINING WALL
½" = 1'–0"

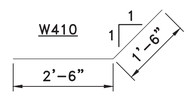
BAR LIST – SLAB & FOOTING

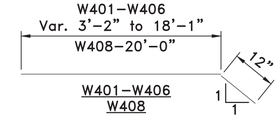
MARK	NO. REQ'D.	LENGTH	P.D.
F401–F407	2 each	16'–5" to 22'–6"	STR.
F408	2	22'–6"	STR.
F409	2	21'–6"	STR.
F501	32	8–9"	STR.
F502–F506	2 each	4'–1" to 8'–1"	STR.
F507	2	2'–7"	STR.
W401–W406	2 each	4'–2" to 19'–1"	3"
W407	2	1'–4"	STR.
W408	2	21'–0"	3"
W409	2	21'–1"	STR.
W410	6	3'–11"	3"
W501–W539	2 each	3'–0" to 9'–2"	3¾"
W540	6	9'–4"	3¾"

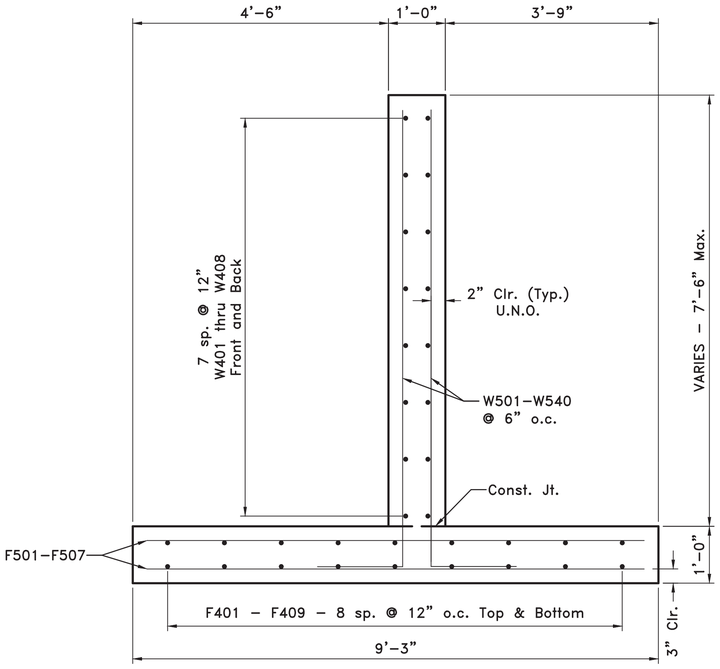


W501–W540

DIMENSIONS ARE OUT TO OUT OF BARS.







SECTION A–A
¾" = 1'–0"

GENERAL NOTES

ALL CONCRETE SHALL BE CLASS "S" WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH f'c = 3,500 PSI. CONCRETE SHALL BE POURED IN THE DRY AND ALL EXPOSED CORNERS TO BE CHAMFERED ¾" UNLESS OTHERWISE NOTED.

ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 OR M322, GRADE 60 (YIELD STRENGTH = 60,000 PSI.).

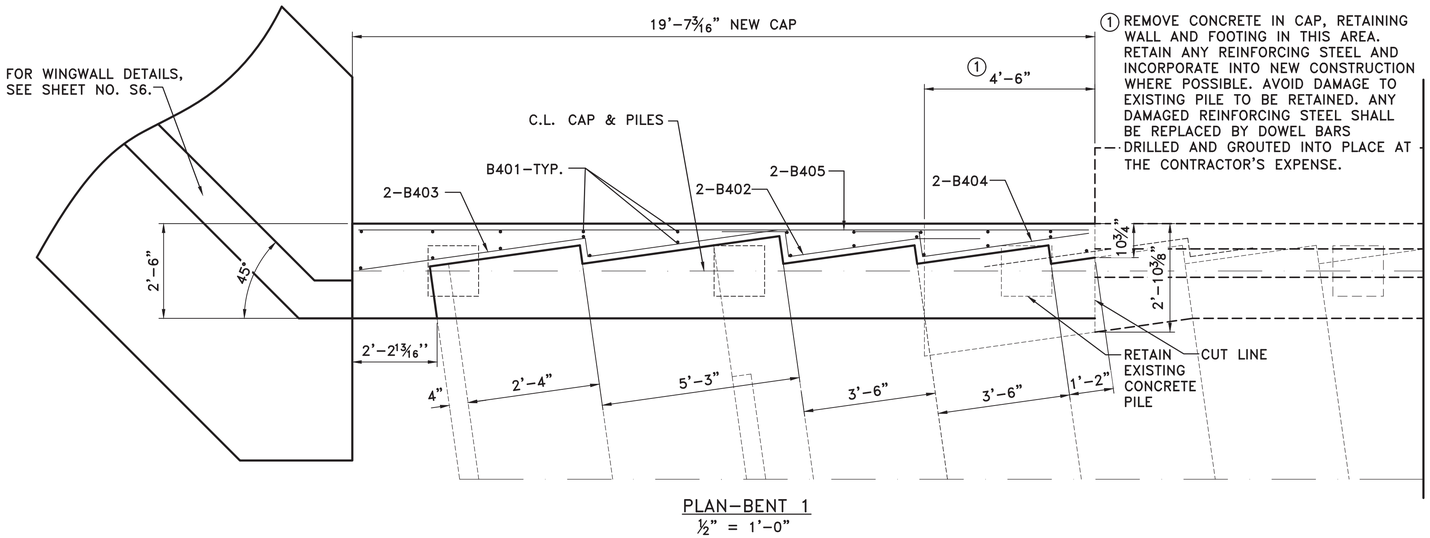
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION
BENT 3 RETAINING WALL

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.18018
JUSTIN P. CARNEY
2/3/2020

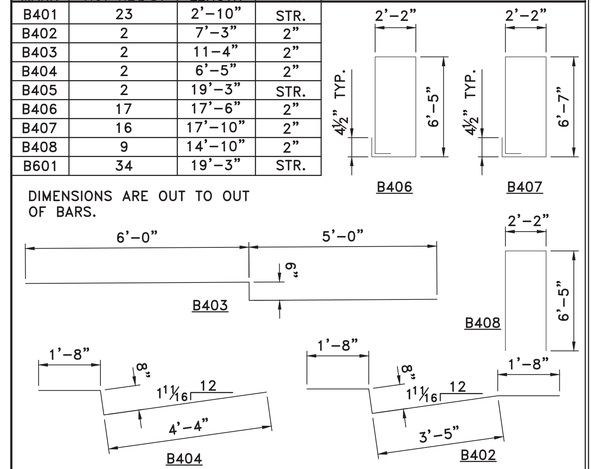
DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	06/2019
SCALE	AS NOTED
PROJECT NO.	CLR #7-17-ST-357
SHEET NO.	S7

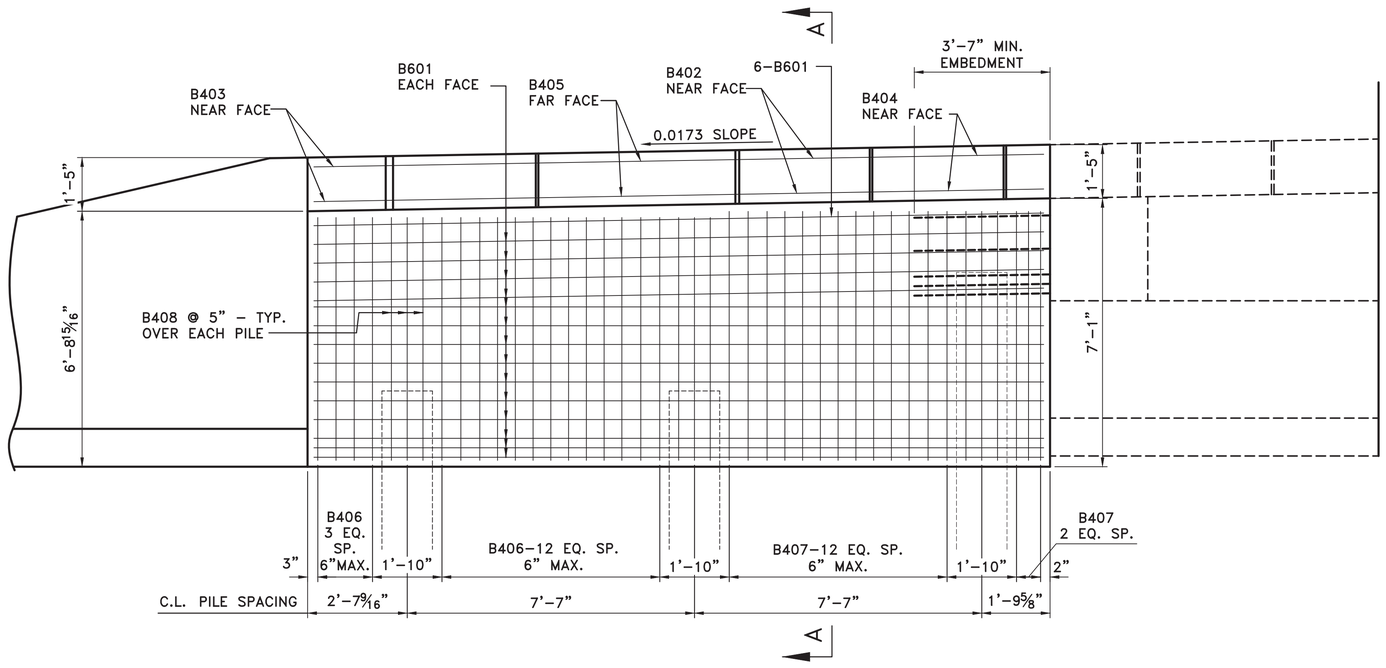


PLAN–BENT 1
½" = 1'-0"

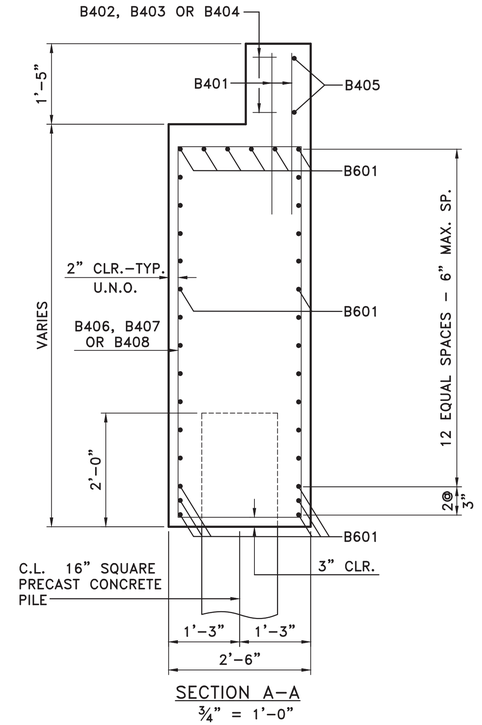
BAR LIST – BENT 1

MARK	NO. REQ'D.	LENGTH	P.D.
B401	23	2'-10"	STR.
B402	2	7'-3"	2"
B403	2	11-4"	2"
B404	2	6'-5"	2"
B405	2	19'-3"	STR.
B406	17	17'-6"	2"
B407	16	17'-10"	2"
B408	9	14'-10"	2"
B601	34	19'-3"	STR.





ELEVATION–BENT 1
LOOKING BACK
½" = 1'-0"



SECTION A–A
¾" = 1'-0"

GENERAL NOTES

ALL CONCRETE SHALL BE CLASS "S" WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH f'c = 3,500 PSI. CONCRETE SHALL BE POURED IN THE DRY AND ALL EXPOSED CORNERS TO BE CHAMFERED ¾" UNLESS OTHERWISE NOTED.

ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 OR M322, GRADE 60 (YIELD STRENGTH = 60,000 PSI.).

REVISIONS	DATE

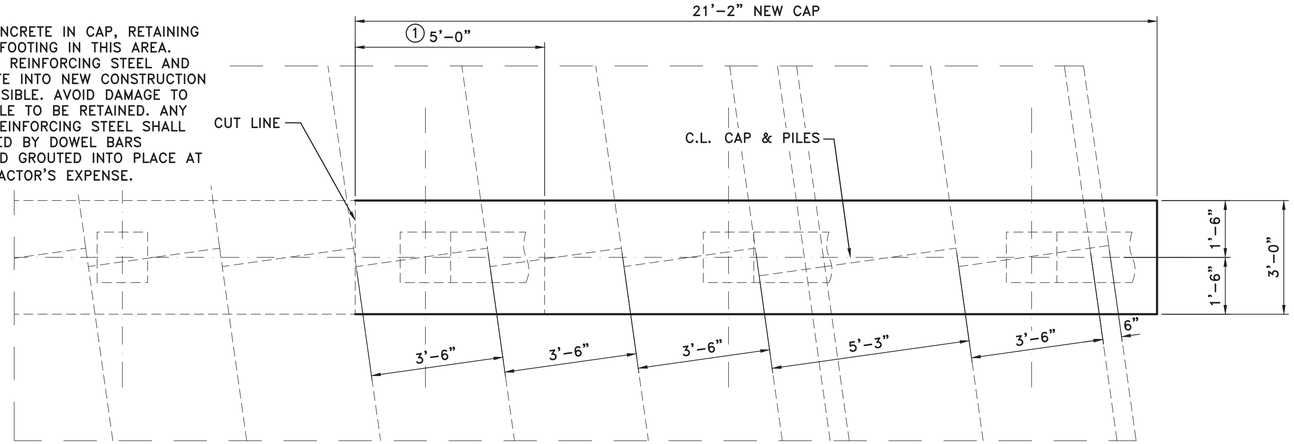
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION
BENT 1 DETAILS

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.18018
JUSTIN P. CARNEY
2/3/2020

DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	06/2019
SCALE	AS NOTED
PROJECT NO.	CLR #7-17-ST-357
SHEET NO.	S8

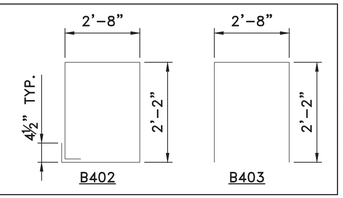
① REMOVE CONCRETE IN CAP, RETAINING WALL AND FOOTING IN THIS AREA. RETAIN ANY REINFORCING STEEL AND INCORPORATE INTO NEW CONSTRUCTION WHERE POSSIBLE. AVOID DAMAGE TO EXISTING PILE TO BE RETAINED. ANY DAMAGED REINFORCING STEEL SHALL BE REPLACED BY DOWEL BARS DRILLED AND GROUTED INTO PLACE AT THE CONTRACTOR'S EXPENSE.



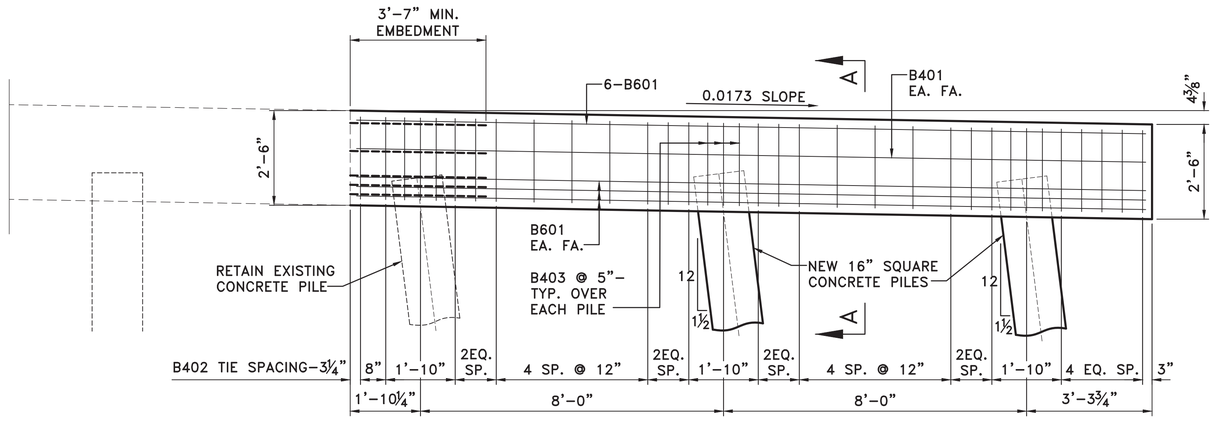
PLAN–BENT 2
½" = 1'-0"

BAR LIST – BENT 2

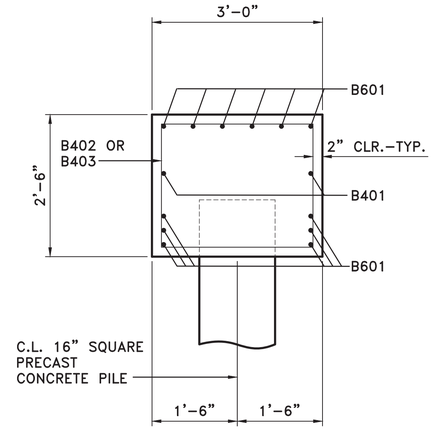
MARK	NO. REQ'D.	LENGTH	P.D.
B401	2	20'–10"	STR.
B402	25	10'–0"	2"
B403	9	6'–10"	2"
B601	12	20'–10"	STR.



DIMENSIONS ARE OUT TO OUT OF BARS.



ELEVATION–BENT 2
LOOKING AHEAD
½" = 1'-0"



SECTION A–A
¾" = 1'-0"

GENERAL NOTES

ALL CONCRETE SHALL BE CLASS "S" WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH f'c = 3,500 PSI. CONCRETE SHALL BE POURED IN THE DRY AND ALL EXPOSED CORNERS TO BE CHAMFERED ¾" UNLESS OTHERWISE NOTED.

ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 OR M322, GRADE 60 (YIELD STRENGTH = 60,000 PSI.).

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION

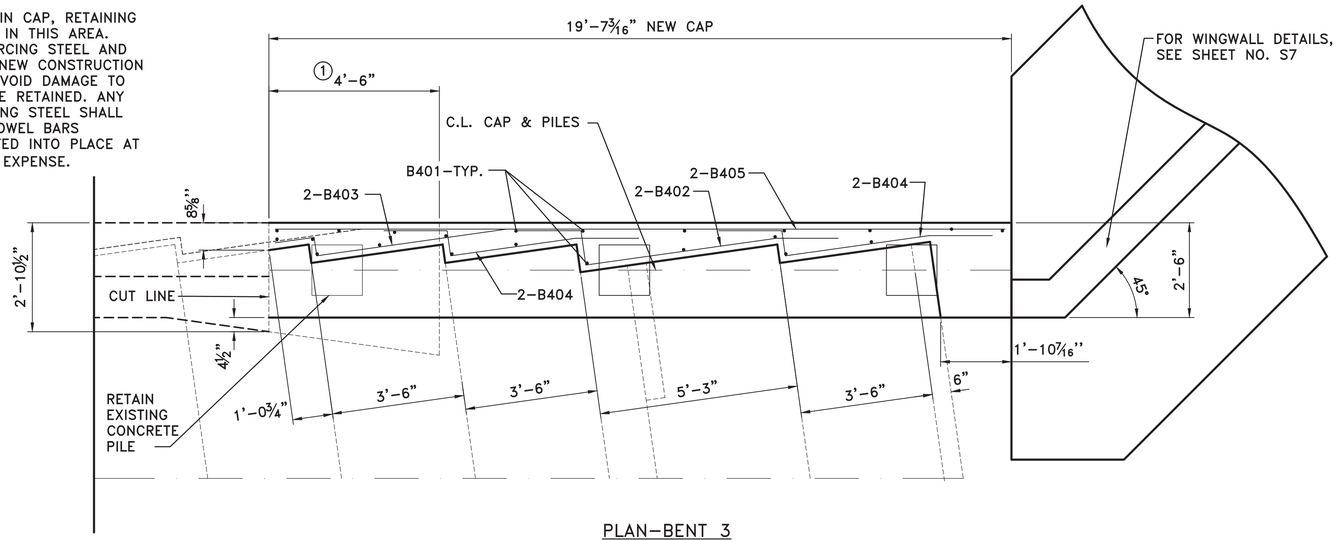
BENT 2 DETAILS

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.18018
JUSTIN P. CARNEY
2/3/2020

DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	06/2019
SCALE	AS NOTED
PROJECT NO.	CLR #7-17-ST-357
SHEET NO.	S9

① REMOVE CONCRETE IN CAP, RETAINING WALL AND FOOTING IN THIS AREA. RETAIN ANY REINFORCING STEEL AND INCORPORATE INTO NEW CONSTRUCTION WHERE POSSIBLE. AVOID DAMAGE TO EXISTING PILE TO BE RETAINED. ANY DAMAGED REINFORCING STEEL SHALL BE REPLACED BY DOWEL BARS DRILLED AND GROUTED INTO PLACE AT THE CONTRACTOR'S EXPENSE.

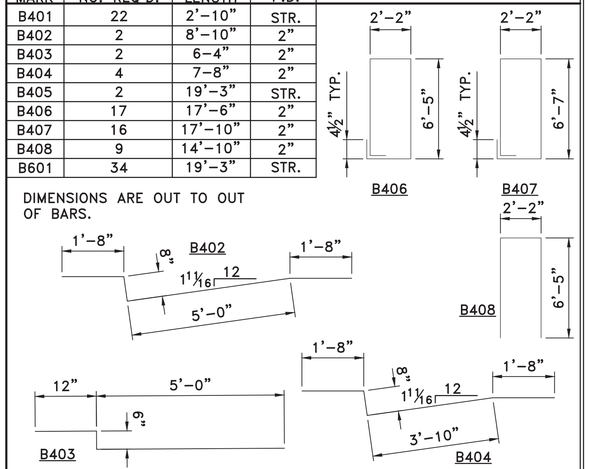


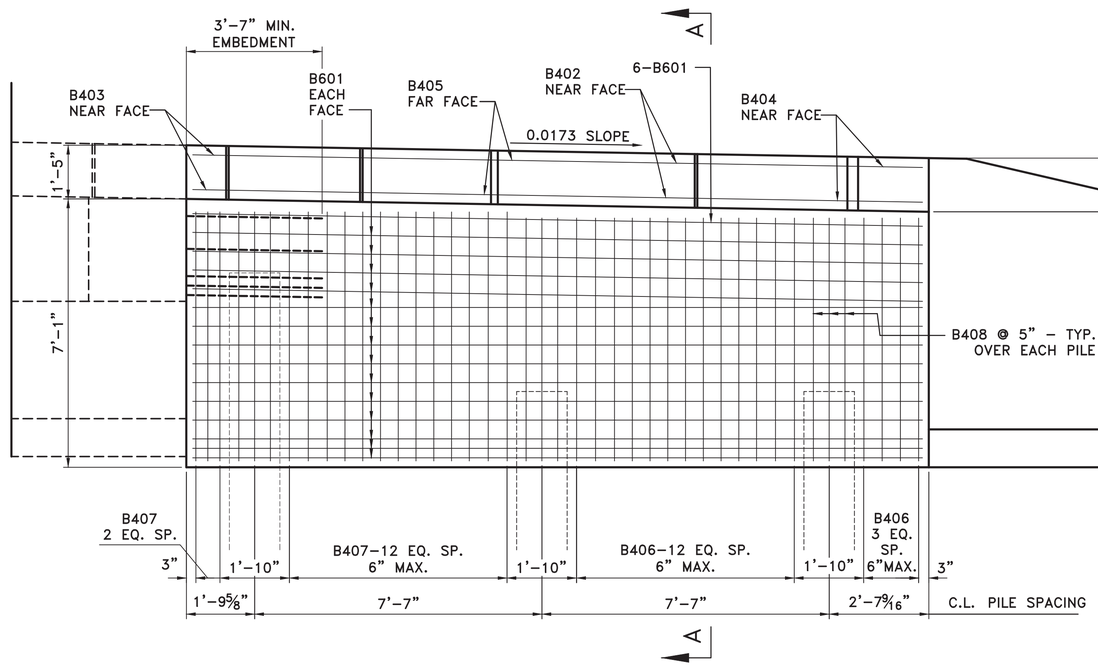
PLAN–BENT 3
½" = 1'-0"

BAR LIST – BENT 1

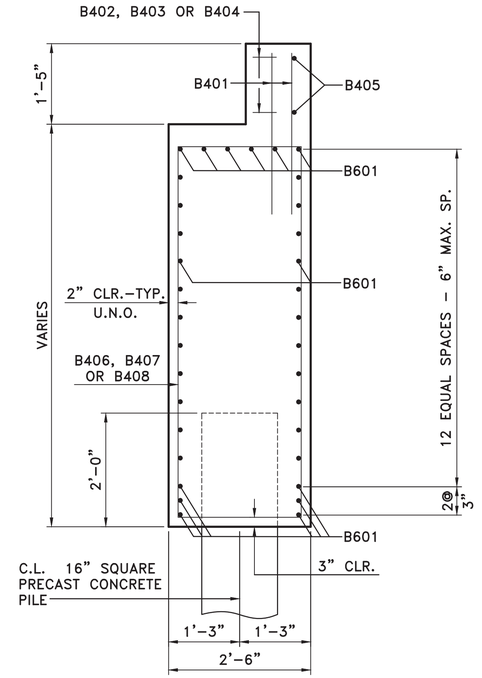
MARK	NO. REQ'D.	LENGTH	P.D.
B401	22	2'-10"	STR.
B402	2	8'-10"	2"
B403	2	6-4"	2"
B404	4	7-8"	2"
B405	2	19'-3"	STR.
B406	17	17'-6"	2"
B407	16	17'-10"	2"
B408	9	14'-10"	2"
B601	34	19'-3"	STR.

DIMENSIONS ARE OUT TO OUT OF BARS.





ELEVATION–BENT 3
LOOKING BACK
½" = 1'-0"



SECTION A–A
¾" = 1'-0"

GENERAL NOTES

ALL CONCRETE SHALL BE CLASS "S" WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH f'c = 3,500 PSI. CONCRETE SHALL BE POURED IN THE DRY AND ALL EXPOSED CORNERS TO BE CHAMFERED ¾" UNLESS OTHERWISE NOTED.

ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 OR M322, GRADE 60 (YIELD STRENGTH = 60,000 PSI.).

REVISIONS	DATE

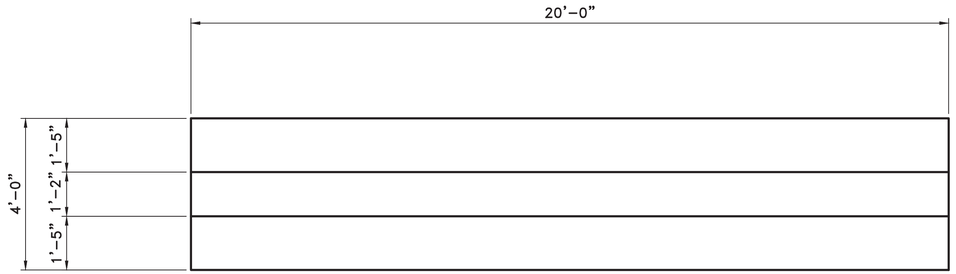
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION

BENT 3 DETAILS

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

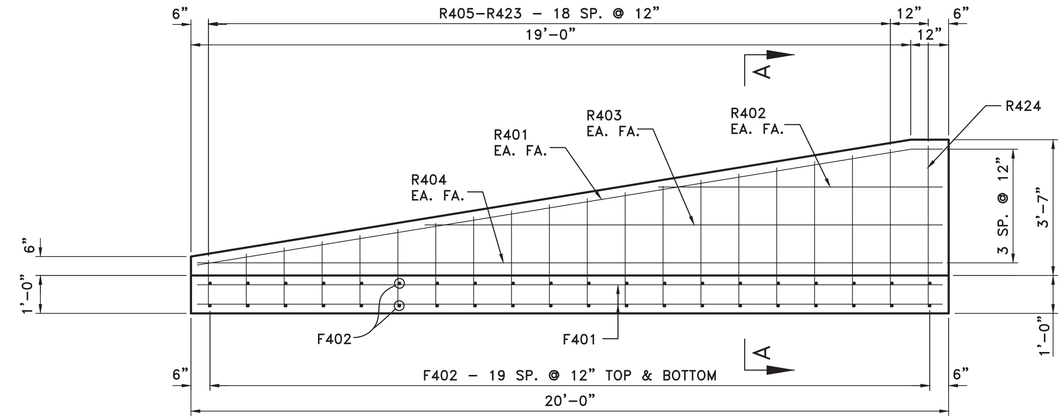
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.18018
JUSTIN P. CARNES
2/3/2020

DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	06/2019
SCALE	AS NOTED
PROJECT NO.	CLR #7-17-ST-357
SHEET NO.	S10



PLAN OF TRANSITIONAL APPROACH RAIL

½" = 1'–0"



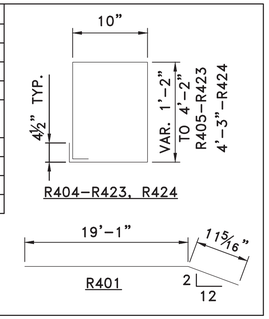
ELEVATION OF TRANSITIONAL APPROACH RAIL

½" = 1'–0"

BAR LIST – ONE TRANSITIONAL RAIL

MARK	NO. REQ'D.	LENGTH	P.D.
R401	2	20'–1"	STR.
R402	2	7'–6"	STR.
R403	2	13'–8"	STR.
R404	2	19'–8"	STR.
R405–R423	1 EACH	4'–4" TO 10'–4"	2"
R424	1	10'–6"	2"
F401	8	19'–8"	STR.
F402	40	3'–8"	STR.

DIMENSIONS ARE OUT TO OUT OF BARS.



GENERAL NOTES

TRANSITIONAL APPROACH RAILING SHALL BE PLACED AT LOCATIONS SHOWN IN THE PLANS.

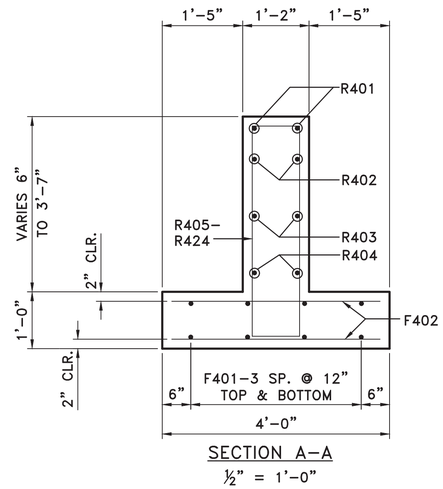
ALL CONCRETE SHALL BE CLASS "S" WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH f'c = 3,500 PSI. CONCRETE SHALL BE POURED IN THE DRY AND ALL EXPOSED CORNERS TO BE CHAMFERED ¾" UNLESS OTHERWISE NOTED.

ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 OR M322, GRADE 60 (YIELD STRENGTH = 60,000 PSI.).

CLASS 1 PROTECTIVE SURFACE TREATMENT FOR TRANSITIONAL APPROACH RAILING SHALL BE SUBSIDIARY TO OTHER ITEMS OF WORK.

SCHEDULE OF QUANTITIES PER RAIL UNIT

CLASS "S" CONCRETE	REINFORCING STEEL (GRADE 60)	CLASS 1 PROTECTIVE SURFACE TREATMENT
4.79 CU. YDS.	385 LBS.	0.2 GAL



SECTION A–A

½" = 1'–0"

REVISIONS	DATE

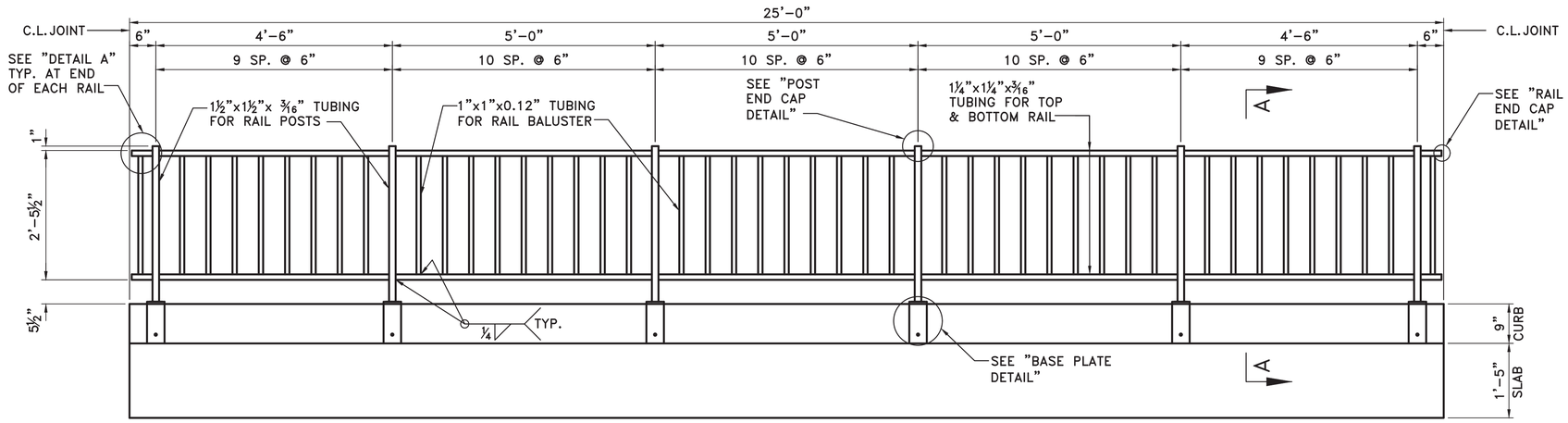
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION

TRANSITIONAL APPROACH RAIL

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

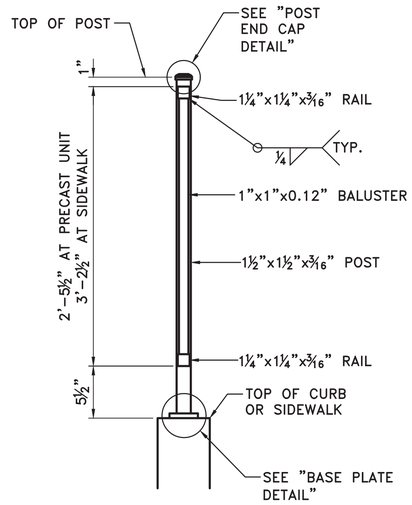
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 18018
JUSTIN P. CARNEY
2/3/2020

DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	06/2019
SCALE	AS NOTED
PROJECT NO.	CLR #7-17-ST-357
SHEET NO.	S11



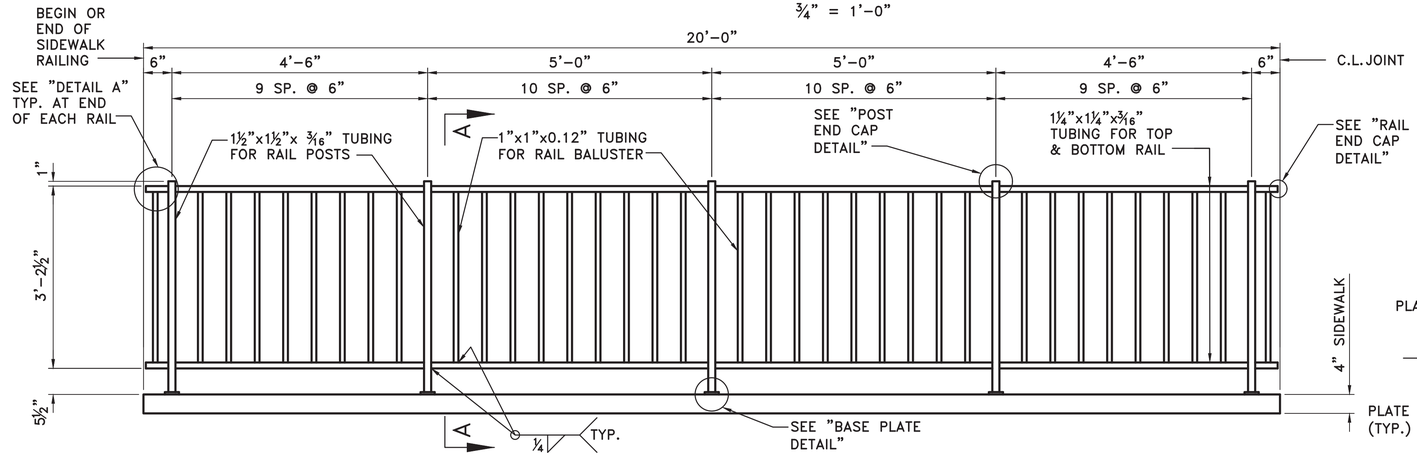
DETAILS OF HANDRAIL ON PRECAST UNIT

¾" = 1'-0"



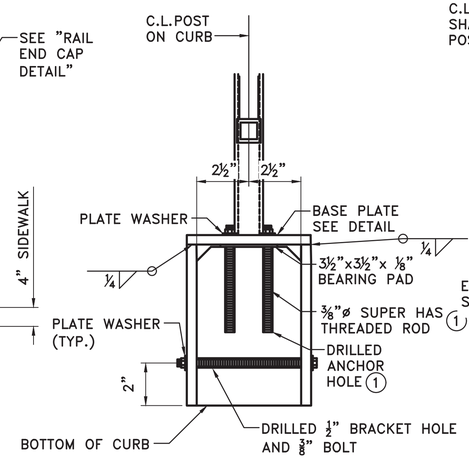
SECTION A–A

1½" = 1'-0"



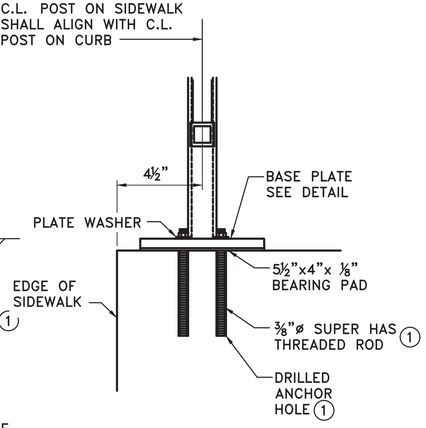
DETAILS OF HANDRAIL ON SIDEWALK

¾" = 1'-0"



POST ANCHOR SYSTEM AT CURB

3" = 1'-0"

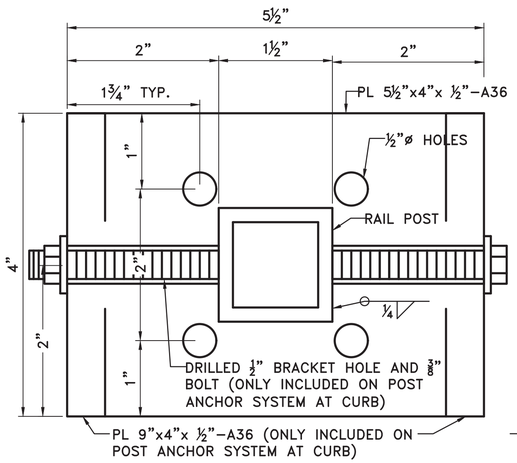


POST ANCHOR SYSTEM AT SIDEWALK

3" = 1'-0"

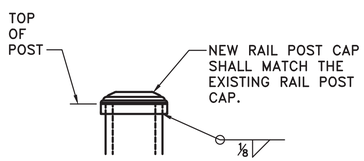
(1) HILTI HIT RE 500 EPOXY ADHESIVE ANCHOR SYSTEM WITH 4½" EMBEDMENT OR AN APPROVED EQUAL.

THE HILTI EPOXY ADHESIVE ANCHOR SYSTEM (OR APPROVED EQUAL) SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



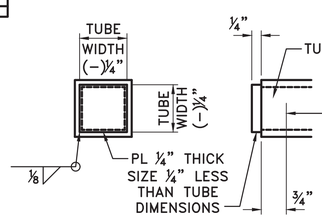
BASE PLATE DETAIL

FULL SCALE



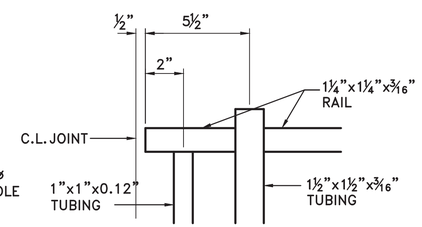
POST END CAP DETAIL

6" = 1'-0"



RAIL END CAP DETAIL

6" = 1'-0"



DETAIL A

3" = 1'-0"

TYP. AT THE END OF EACH RAIL AS SHOWN.

MATERIALS FOR HANDRAIL

STRUCTURAL TUBING: ASTM A500–GRADE B OR ASTM A709, GR. 36.

END CAPS AND BASE PLATE: ASTM A709, GR. 36.

THREADED RODS AND BOLTS SHALL BE STAINLESS STEEL OR HIGH STRENGTH STEEL. STAINLESS STEEL THREADED RODS AND BOLTS SHALL CONFORM TO ASTM A193 OR A320–GRADE B8 WITH A MINIMUM YIELD STRENGTH OF 80,000 PSI. HIGH STRENGTH STEEL THREADED RODS AND BOLTS SHALL CONFORM TO AASHTO M164 OR A354–GRADE BC, GALVANIZED IN ACCORDANCE WITH ASTM A153.

NUTS SHALL CONFORM TO ASTM A194–GRADE 8 (STAINLESS STEEL) OR AASHTO M164 GALVANIZED IN ACCORDANCE WITH AASHTO M232, OR OF STAINLESS STEEL CONFORMING TO ASTM A276 OR A167–TYPE 302.

HANDRAIL, INCLUDING POSTS AND FASTENERS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAR FOOT BID FOR "HANDRAIL".

SHOP DRAWINGS SHOWING DETAILS OF RAILING SHALL BE SUBMITTED AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN.

REVISIONS	DATE

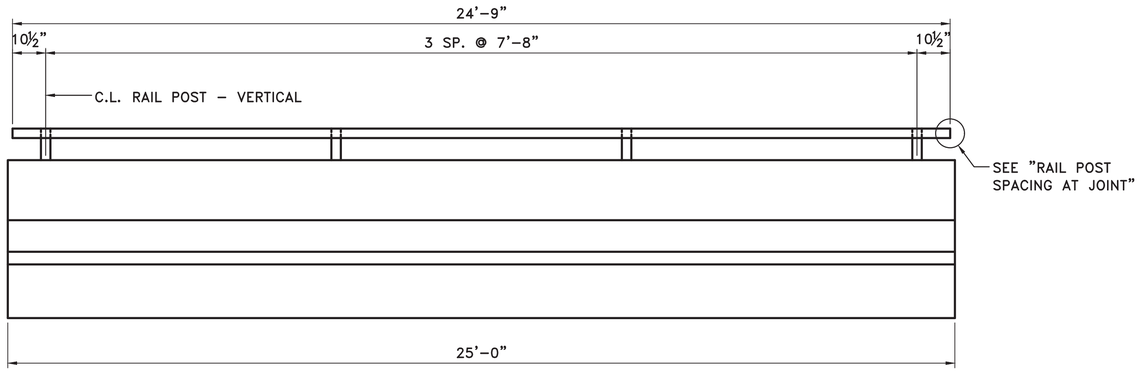
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION

HANDRAIL DETAILS

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

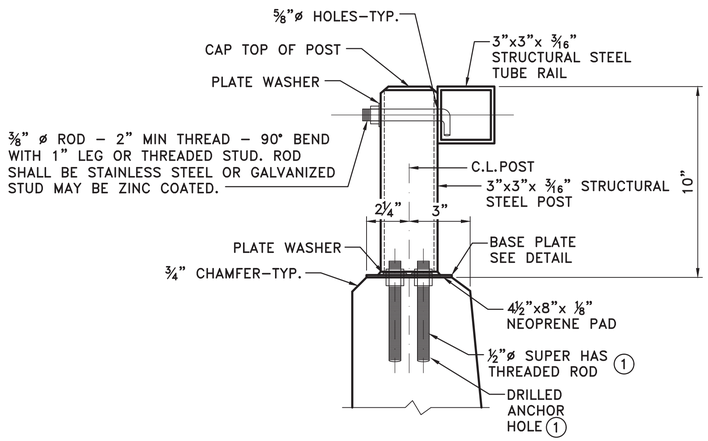
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.18018
JUSTIN P. CARNEY
2/3/2020

DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	10-2019
SCALE	AS NOTED
PROJECT NO.	CLR #7-17-ST-357
SHEET NO.	S12



RAIL POST SPACING DETAIL

HORIZONTAL DIMENSIONS ARE ALONG FACE OF RAIL
½" = 1'–0"

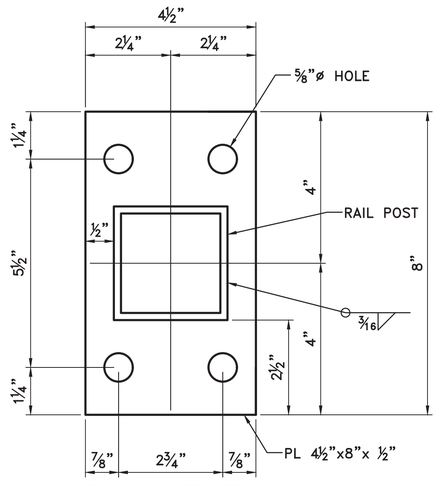


DETAILS OF POST ANCHOR SYSTEM

3" = 1'–0"

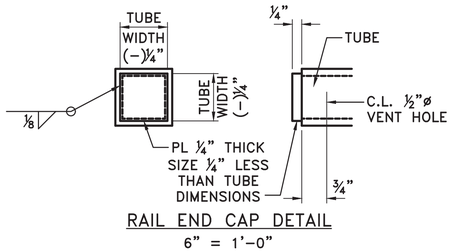
(1) HILTI HIT RE 500 EPOXY ADHESIVE ANCHOR SYSTEM WITH 4½" EMBEDMENT OR AN APPROVED EQUAL.

THE HILTI EPOXY ADHESIVE ANCHOR SYSTEM (OR APPROVED EQUAL) SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



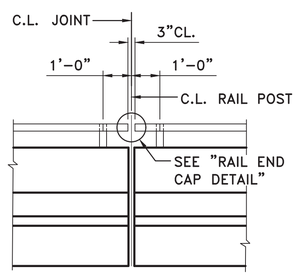
BASE PLATE DETAIL

6" = 1'–0"



RAIL END CAP DETAIL

6" = 1'–0"



RAIL POST SPACING AT JOINT

⅜" = 1'–0"

NOTES FOR BRIDGE RAILING:

RAIL LAYOUT SHALL CONFORM TO VERTICAL AND HORIZONTAL ALIGNMENT OF BRIDGE. ALL POSTS SHALL BE VERTICAL.

BASE PLATES SHALL NOT BE PLACED UPON AREAS THAT ARE IMPROPERLY FINISHED, DEFORMED OR IRREGULAR.

SHOP DRAWINGS SHOWING DETAILS OF RAILING SHALL BE SUBMITTED AND APPROVAL SECURED BEFORE FABRICATION IS BEGUN.

MATERIALS FOR BRIDGE RAILING:

TUBING, POSTS, AND ACCESSORIES: ASTM A709, GR. 36 OR ASTM A500–GRADE B.

RAILING END CAPS SHALL CONFORM TO ASTM A709, GRADE 36.

PAINTING: ALL STRUCTURAL STEEL, EXCEPT GALVANIZED MEMBERS AND SURFACES IN CONTACT WITH CONCRETE, SHALL BE CLEANED IN ACCORDANCE WITH SUBSECTION 807.84(B) AND PAINTED AS SPECIFIED IN SUBSECTION 807.75. THE COLOR OF THE TYPE H–2 METAL RAIL SHALL BE BLACK AND SHALL MATCH FED. STD. 595B COLOR CHIP NO. 27038.

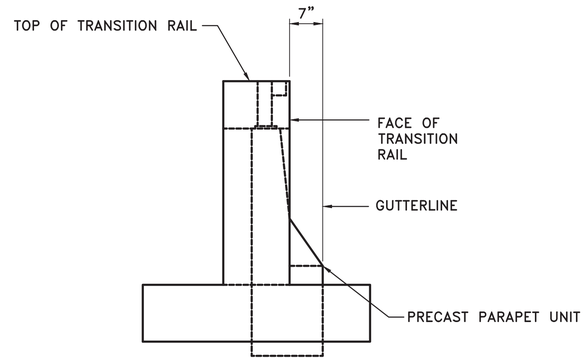
HIGH–STRENGTH STEEL:
NUTS SHALL CONFORM TO ASTM A563, GRADE DH OR AASHTO M 292, GRADE 2H.
WASHERS SHALL CONFORM TO ASTM F436.
PLATE WASHERS SHALL CONFORM TO ASTM A709, GR. 36.
NUTS, WASHERS, PLATE WASHERS, AND SET SCREWS SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M 232, CLASS C OR ASTM B695, CLASS 50.

STAINLESS STEEL:
NUTS SHALL CONFORM TO AASHTO M 292, GRADE 8 OR ASTM A563.
WASHERS SHALL CONFORM TO ASTM A240, TYPE 302.
PLATE WASHERS SHALL CONFORM TO ASTM A240, TYPE 302.

THREADS ON BOLTS, SCREWS AND NUTS SHALL CONFORM TO AMERICAN STANDARD COARSE SERIES, CLASS 2 FIT. ASA SPECIFICATION B1.1.

MIXING OF STAINLESS STEEL AND GALVANIZED FASTENERS WILL NOT BE PERMITTED.

METAL BRIDGE RAILING, INCLUDING POSTS, FASTENERS, BASE PLATES, TEMPLATE PLATES, BALUSTERS, ANCHOR BOLTS, NEOPRENE PAD, PAINT, AND REPAIR OF PAINT; FABRICATION AND ERECTION; AND ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 806 AT THE CONTRACT UNIT PRICE PER LINEAR FOOT BID FOR "METAL BRIDGE RAILING (TYPE H)".



SKETCH SHOWING ALIGNMENT OF TRANSITION RAIL TO PARAPET UNIT

¾" = 1'–0"

REVISIONS	DATE

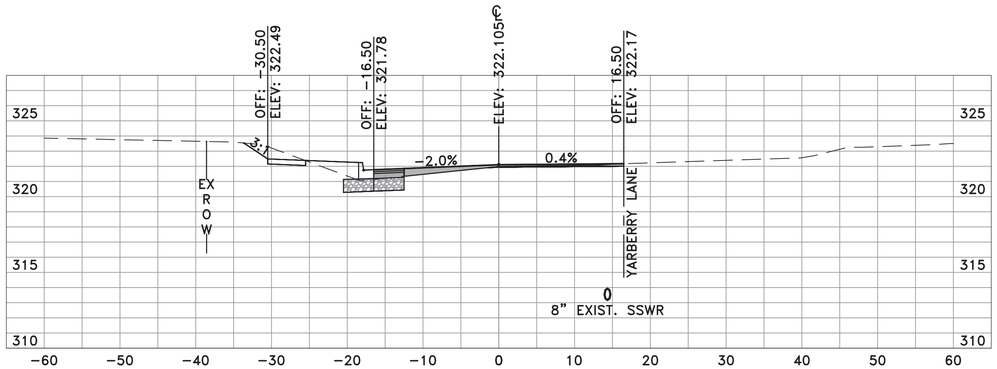
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD RECONSTRUCTION

TYPE H RAIL DETAILS

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

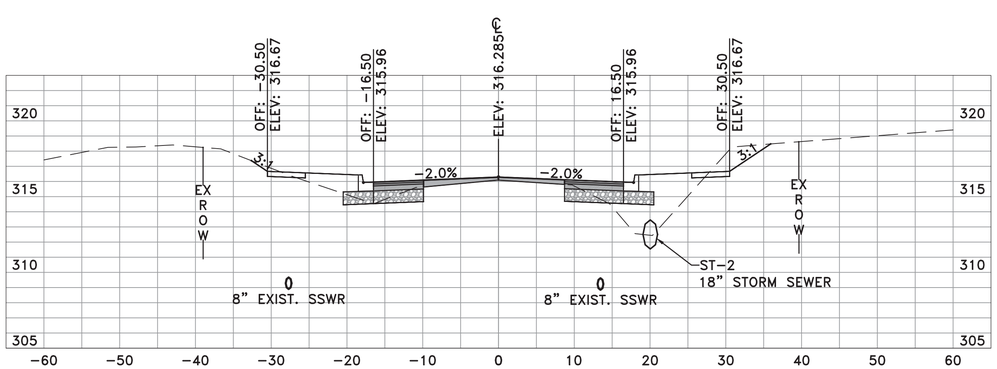
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No.18018
JUSTIN P. CARNEY
2/3/2020

DRAWN BY	KDH
DESIGNED	JPC
CHECKED	SFH
DATE	10-2019
SCALE	AS NOTED
PROJECT NO.	CLR #7-17-ST-357
SHEET NO.	S13



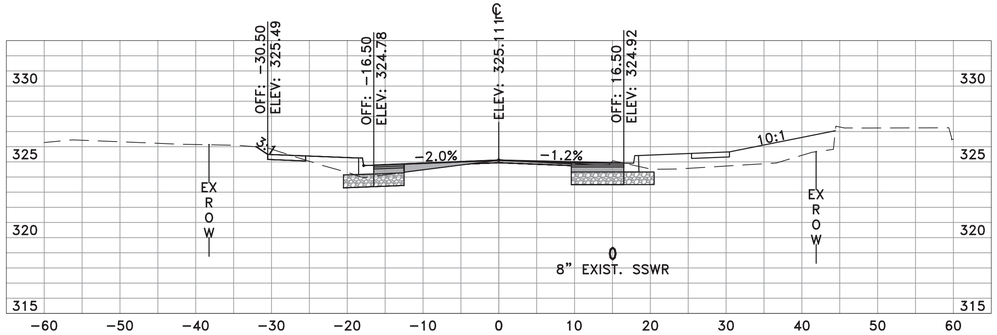
CHICOT RD
5+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	13.25	30.68	30.68
FILL	4.01	8.04	8.04



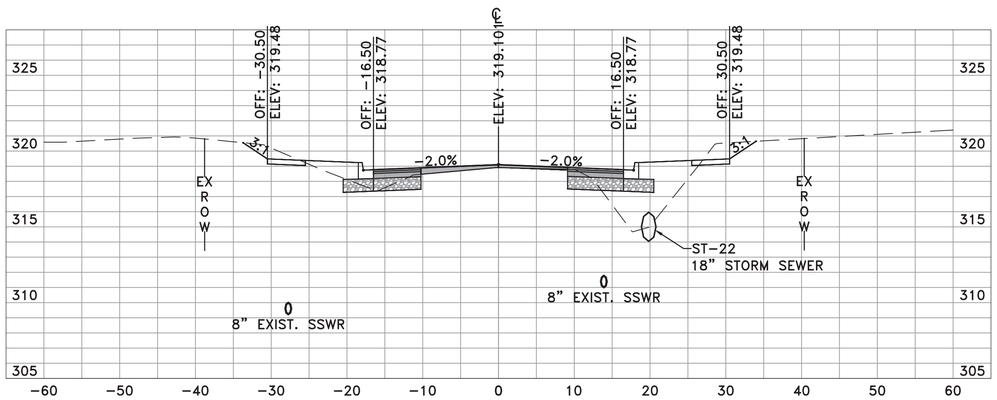
CHICOT RD
6+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	17.45	34.97	96.75
FILL	28.89	53.68	92.36



CHICOT RD
5+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	19.88	0.00	0.00
FILL	4.66	0.00	0.00



CHICOT RD
6+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	20.32	31.09	61.77
FILL	29.08	30.64	38.68

REVISIONS	DATE

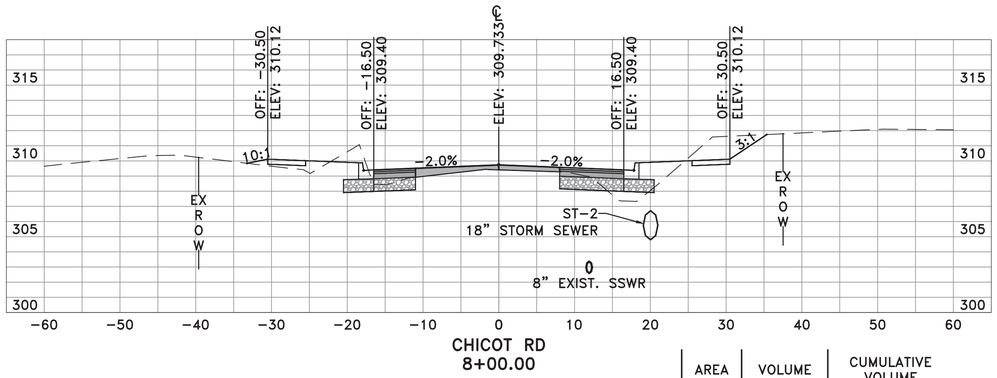
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (1)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

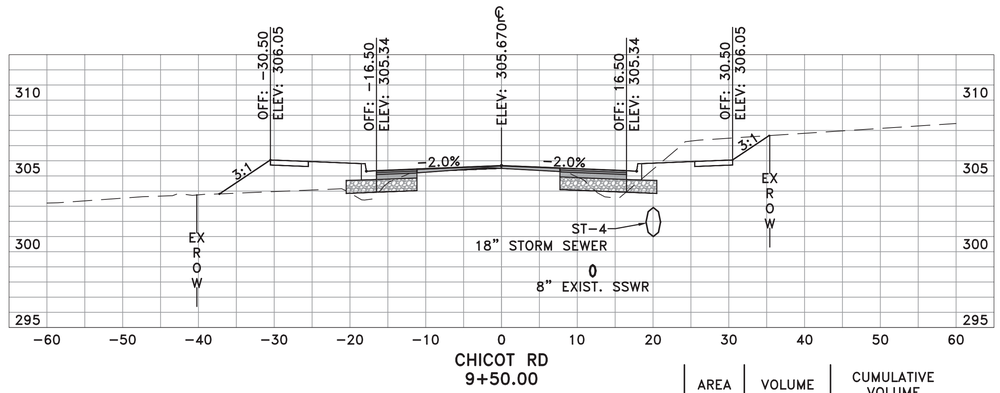
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X1



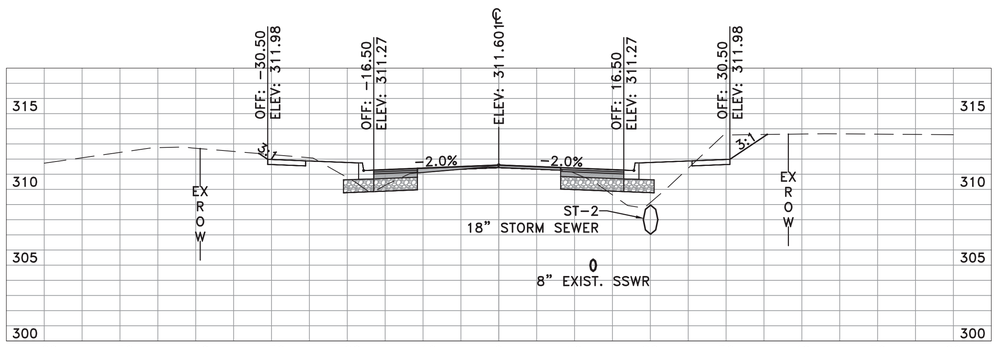
CHICOT RD
8+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	29.87	50.23	230.82
FILL	12.70	23.77	192.79



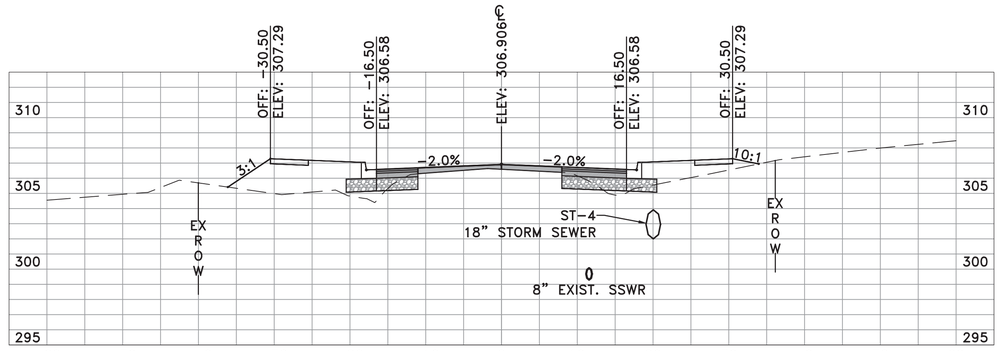
CHICOT RD
9+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	27.71	32.75	341.35
FILL	27.27	64.43	345.61



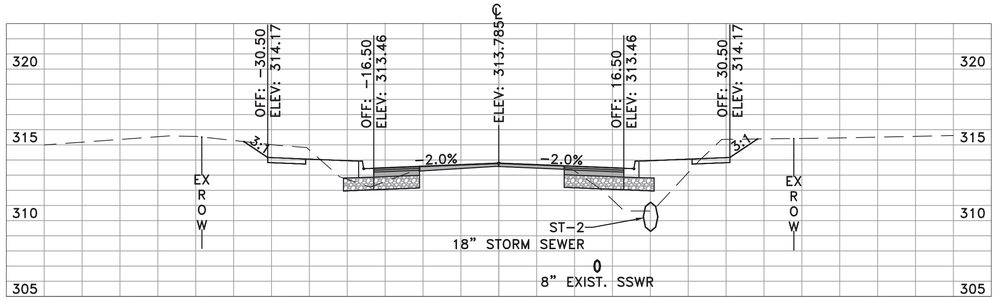
CHICOT RD
7+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	24.38	45.13	180.59
FILL	12.97	30.96	169.02



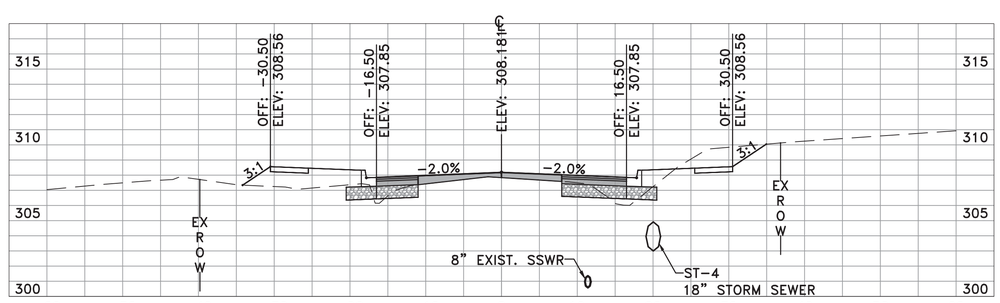
CHICOT RD
9+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	7.66	28.61	308.60
FILL	42.32	57.91	281.18



CHICOT RD
7+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	24.36	38.71	135.46
FILL	20.47	45.70	138.06



CHICOT RD
8+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	23.24	49.17	279.99
FILL	20.22	30.48	223.27

REVISIONS	DATE

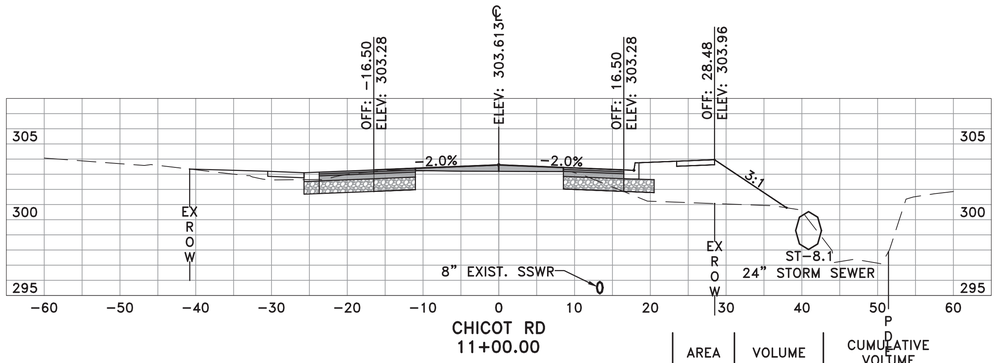
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (2)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

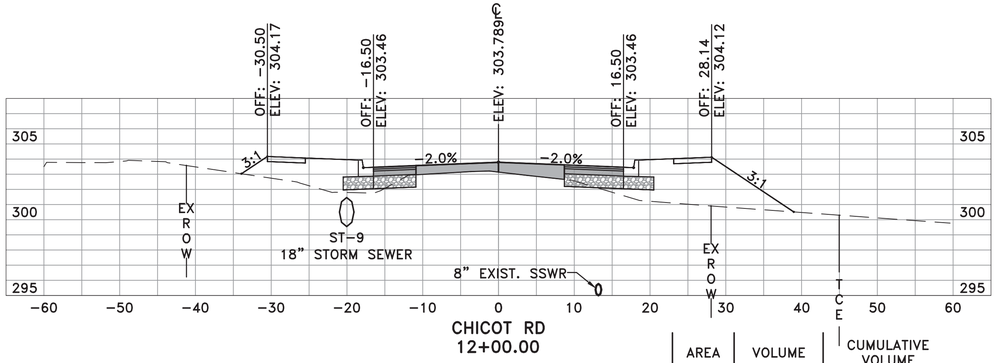
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X2



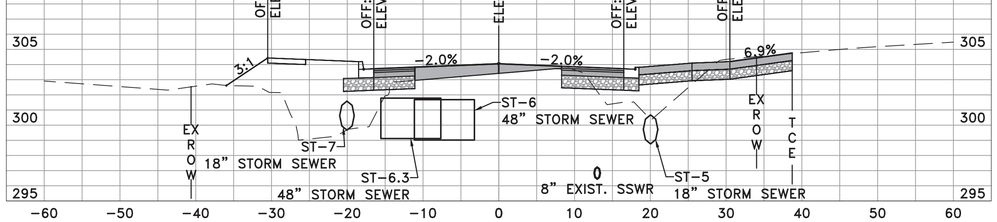
CHICOT RD
11+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	12.72	30.21	456.46
FILL	45.75	116.82	604.96



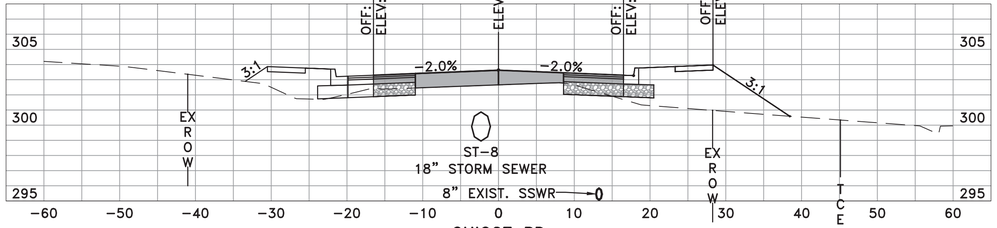
CHICOT RD
12+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	3.17	7.77	476.51
FILL	81.17	129.93	827.90



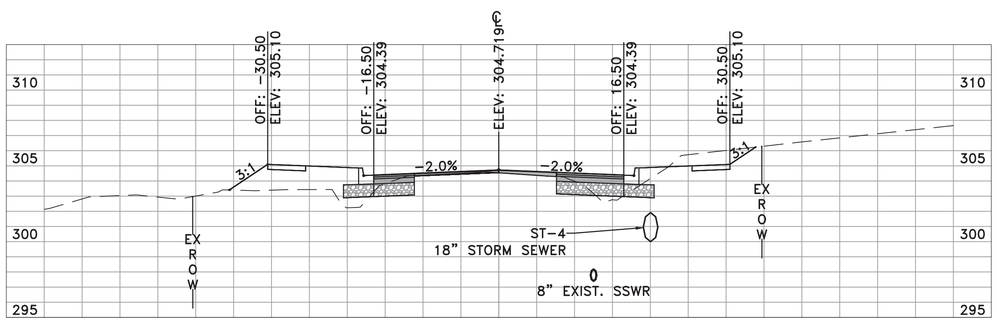
CHICOT RD
10+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	19.90	38.84	426.25
FILL	80.42	95.86	488.13



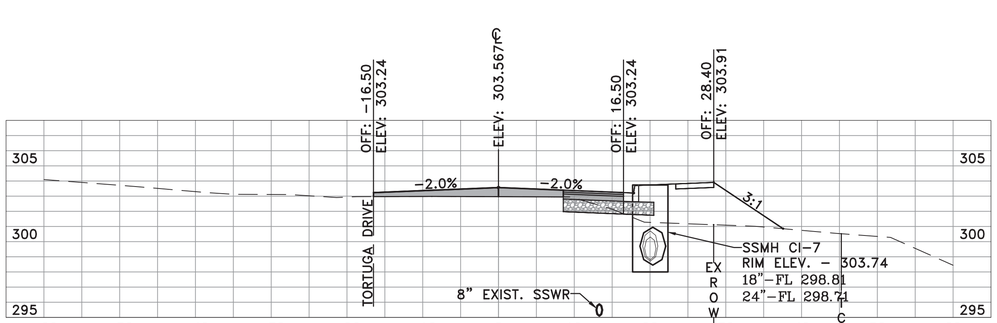
CHICOT RD
11+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	5.22	5.13	468.74
FILL	59.16	54.90	697.97



CHICOT RD
10+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	22.04	46.07	387.41
FILL	23.12	46.65	392.27



CHICOT RD
11+22.14

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	4.72	7.15	463.61
FILL	47.23	38.12	643.07

REVISIONS	DATE

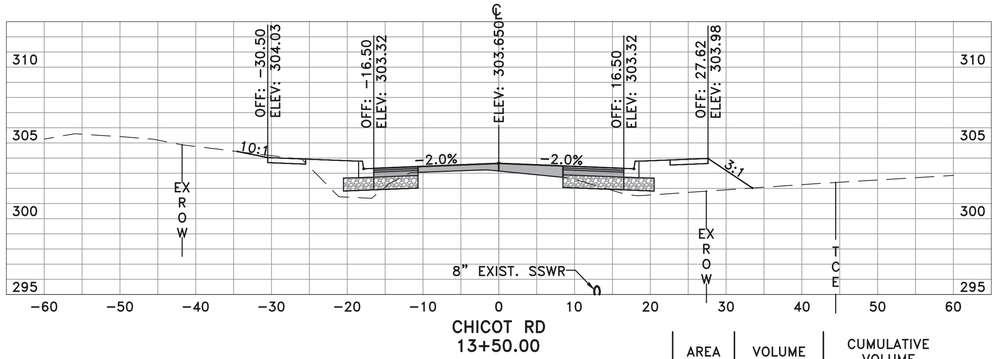
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (3)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

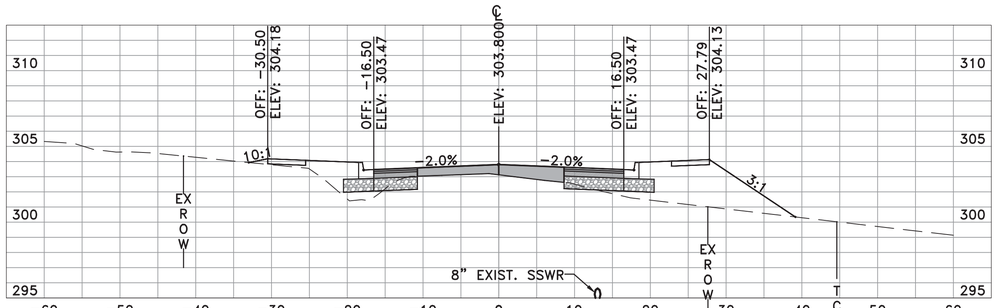
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X3



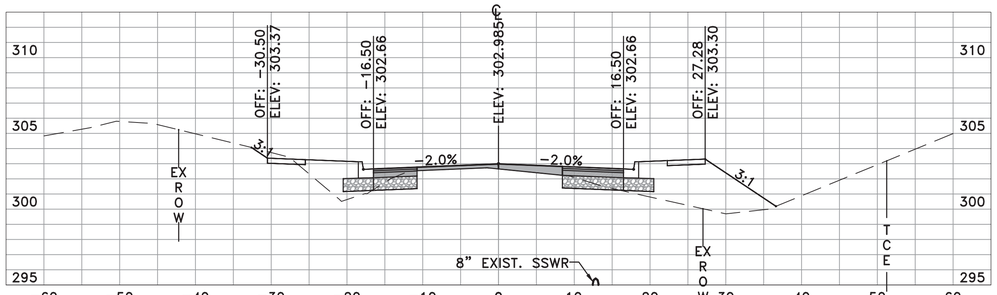
CHICOT RD
13+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	7.60	10.54	499.14
FILL	43.47	105.55	1225.63



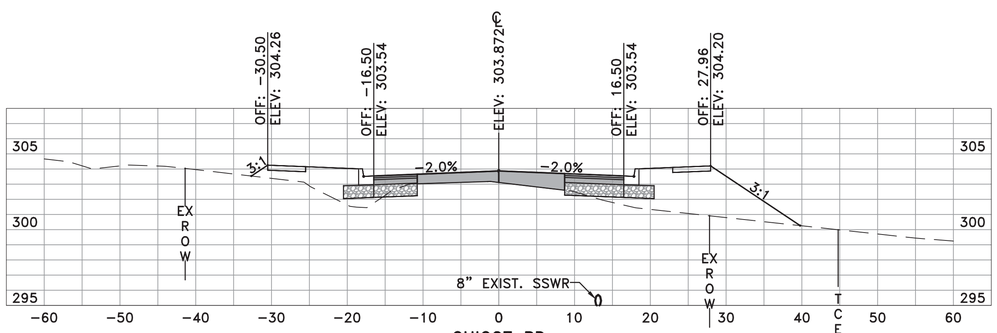
CHICOT RD
13+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	3.78	6.33	488.60
FILL	70.52	141.16	1120.09



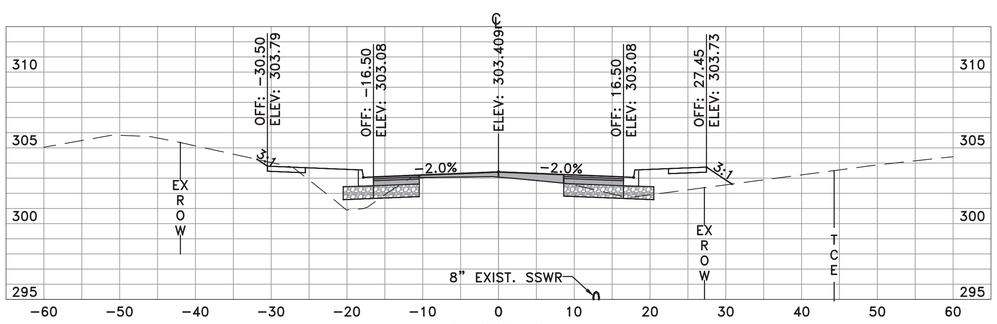
CHICOT RD
14+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	10.38	19.65	535.86
FILL	59.48	80.90	1372.62



CHICOT RD
12+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	3.05	5.77	482.27
FILL	81.94	151.02	978.93



CHICOT RD
14+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	10.84	17.07	516.22
FILL	27.90	66.08	1291.72

REVISIONS	DATE

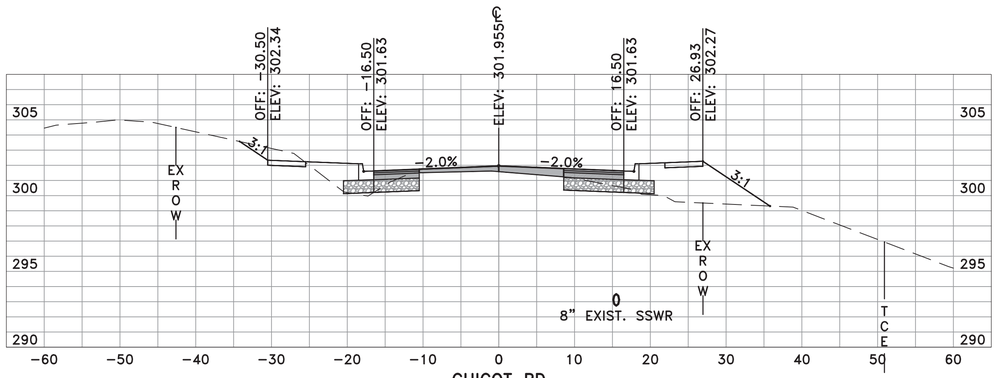
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (4)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

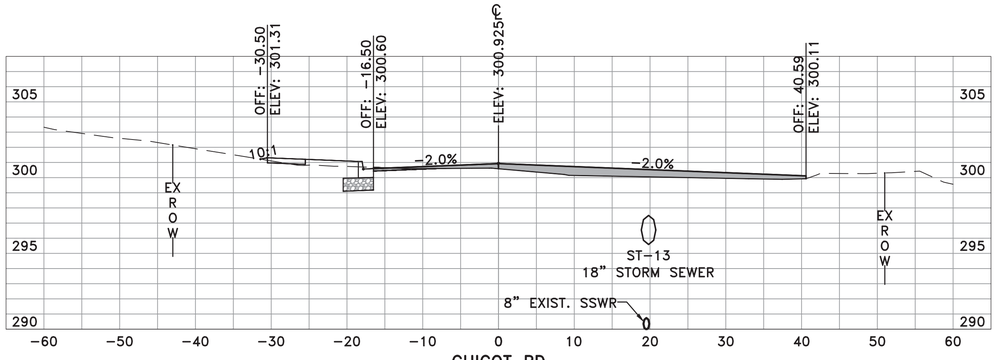
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X4



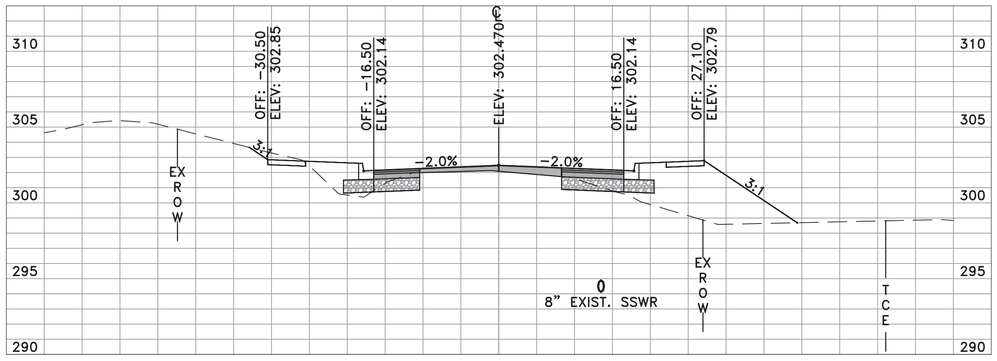
CHICOT RD
15+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	15.68	25.18	581.32
FILL	47.27	112.29	1608.50



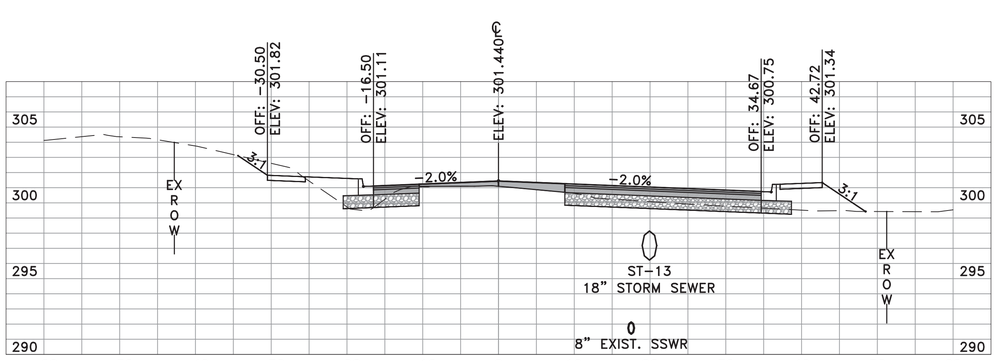
CHICOT RD
16+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	7.40	29.75	648.49
FILL	13.12	38.42	1716.96



CHICOT RD
15+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	11.52	20.28	556.14
FILL	74.00	123.59	1496.22



CHICOT RD
16+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	24.73	37.41	618.74
FILL	28.37	70.04	1678.54

REVISIONS	DATE

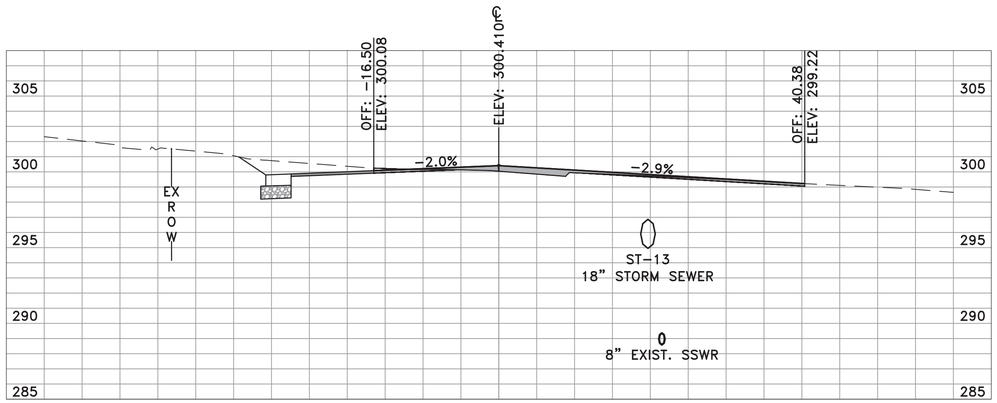
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (5)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

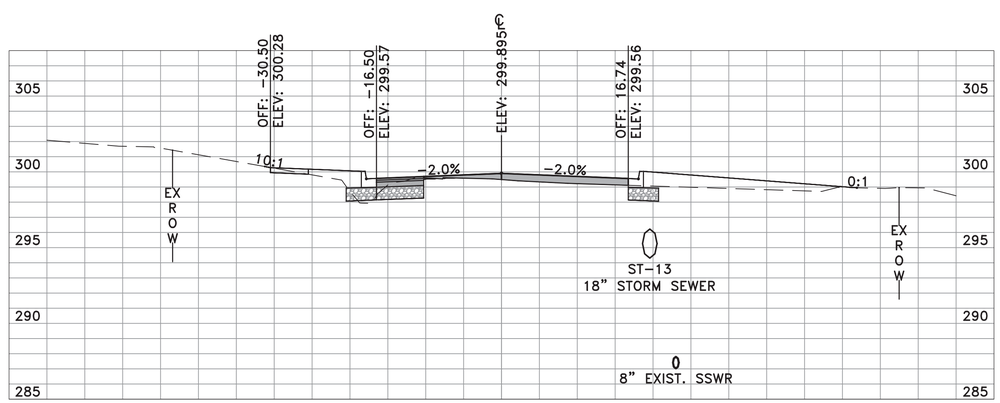
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
STEVEN O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X5



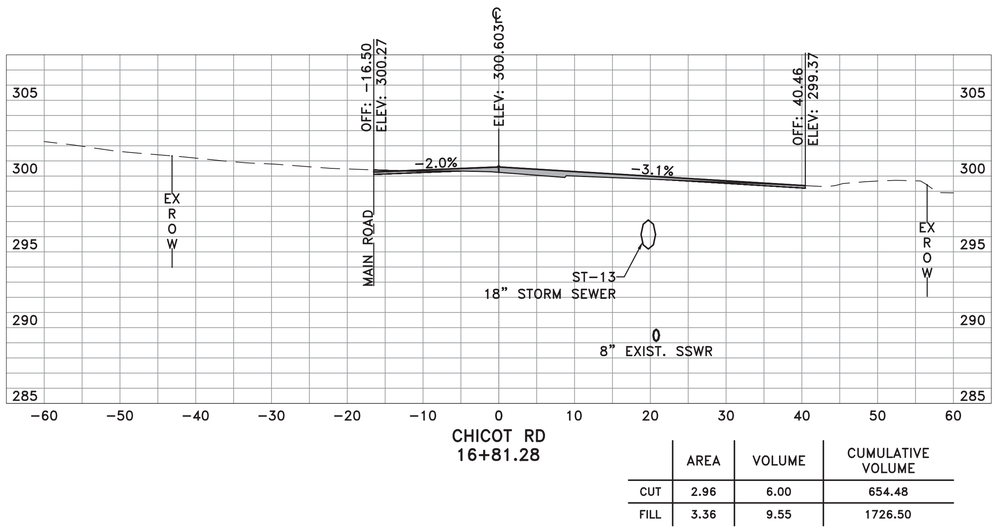
CHICOT RD
17+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	4.60	2.62	657.10
FILL	2.71	2.10	1728.61



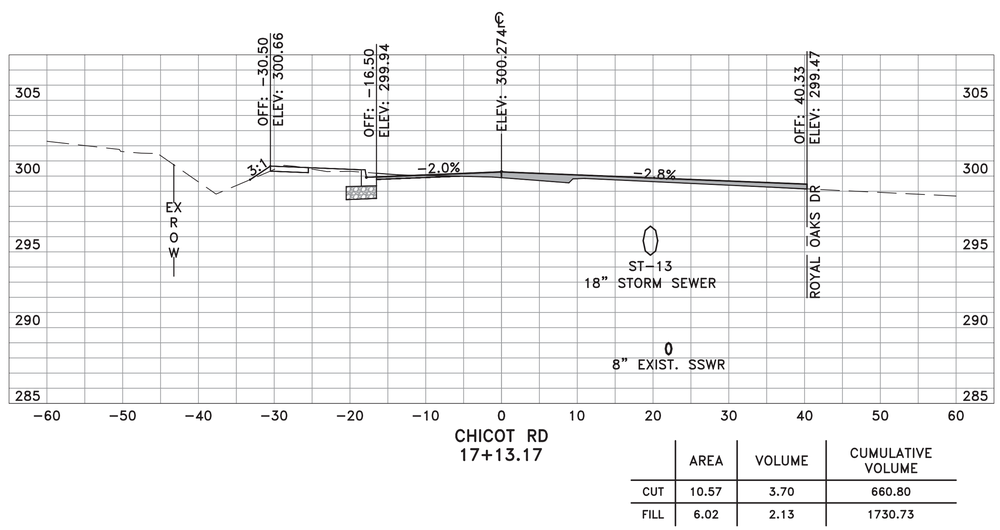
CHICOT RD
17+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	12.35	15.63	676.43
FILL	23.38	20.05	1750.78



CHICOT RD
16+81.28

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	2.96	6.00	654.48
FILL	3.36	9.55	1726.50



CHICOT RD
17+13.17

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	10.57	3.70	660.80
FILL	6.02	2.13	1730.73

REVISIONS	DATE

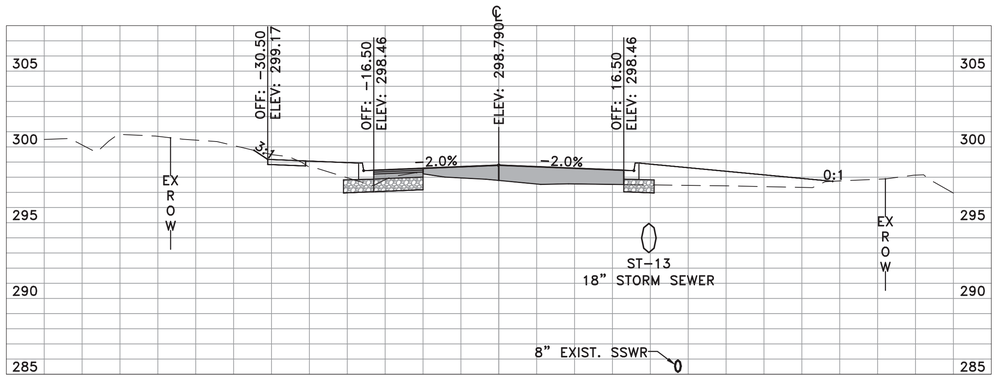
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (6)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

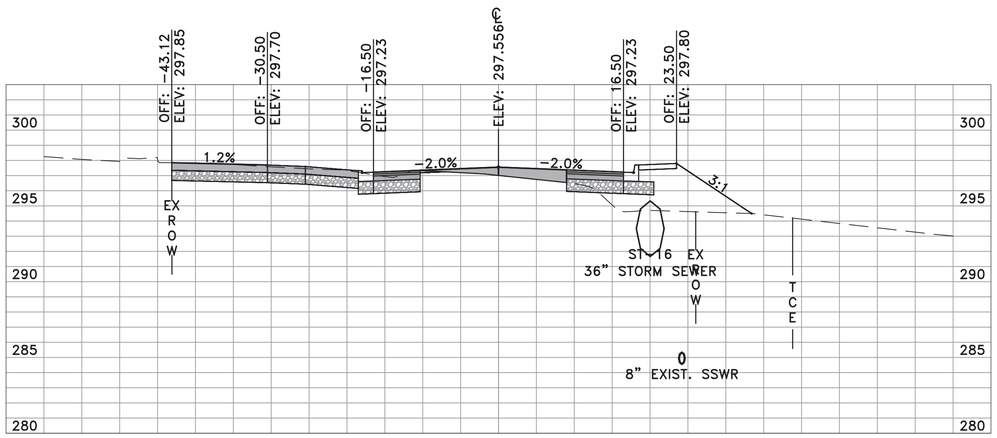
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE JR.
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X6



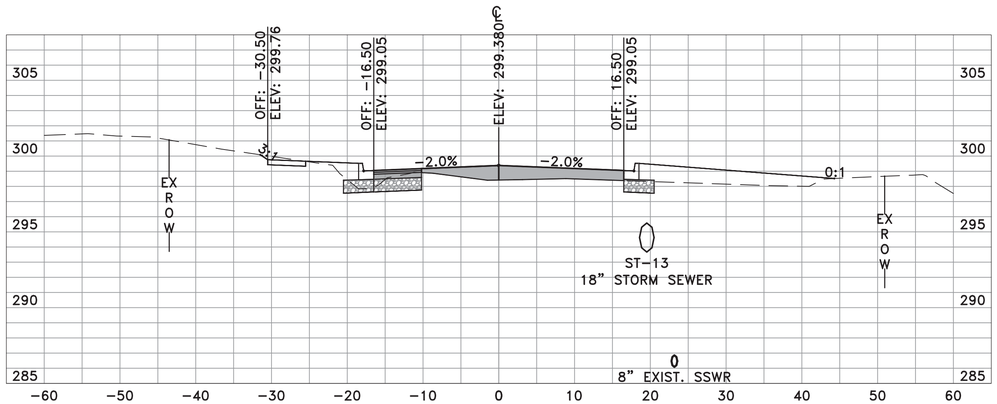
CHICOT RD
18+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	13.81	24.88	724.83
FILL	43.20	72.39	1877.22



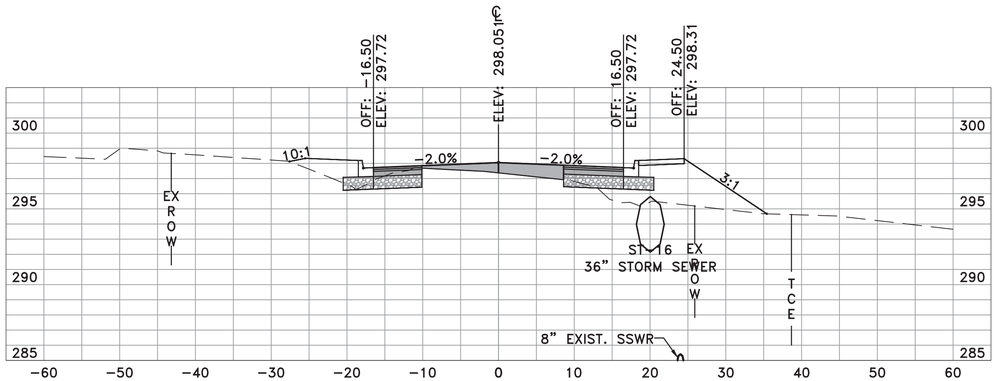
CHICOT RD
19+32.29

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	39.43	29.08	775.22
FILL	36.55	47.45	2004.31



CHICOT RD
18+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	13.06	23.52	699.96
FILL	34.99	54.05	1804.83



CHICOT RD
19+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	9.20	21.30	746.14
FILL	42.81	79.64	1956.86

REVISIONS	DATE

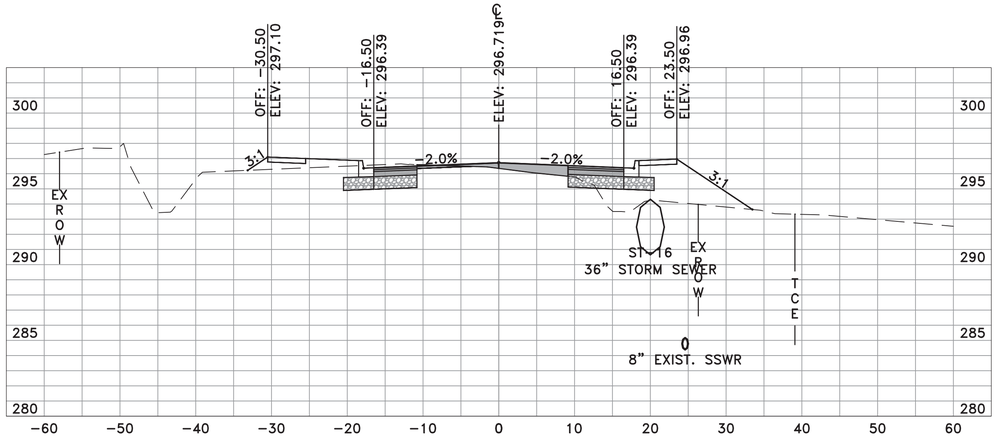
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (7)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

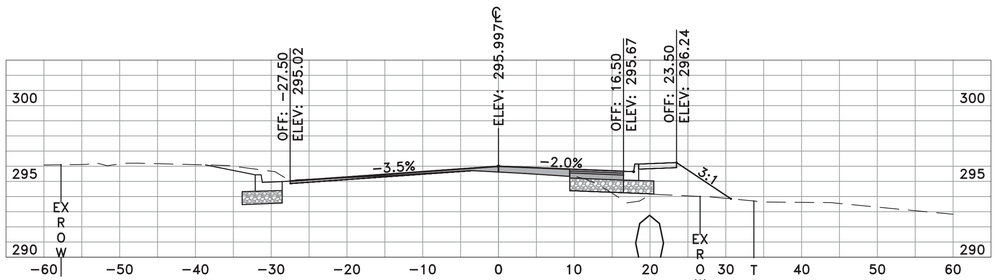
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X7



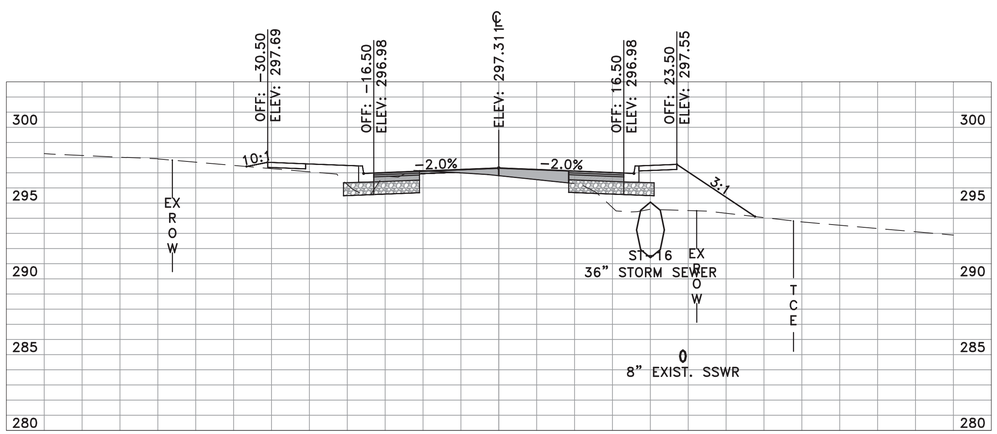
CHICOT RD
20+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	18.04	26.21	817.73
FILL	39.17	72.53	2101.68



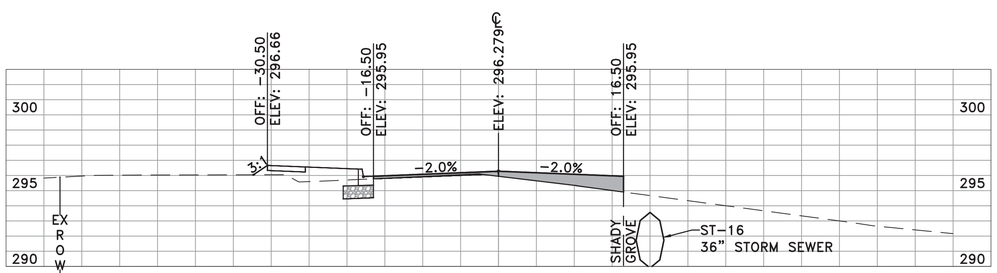
CHICOT RD
21+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	5.56	10.04	849.35
FILL	17.77	30.72	2182.93



CHICOT RD
19+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	10.26	16.30	791.52
FILL	39.16	24.83	2029.14



CHICOT RD
20+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	5.28	21.59	839.32
FILL	15.40	50.53	2152.21

REVISIONS	DATE

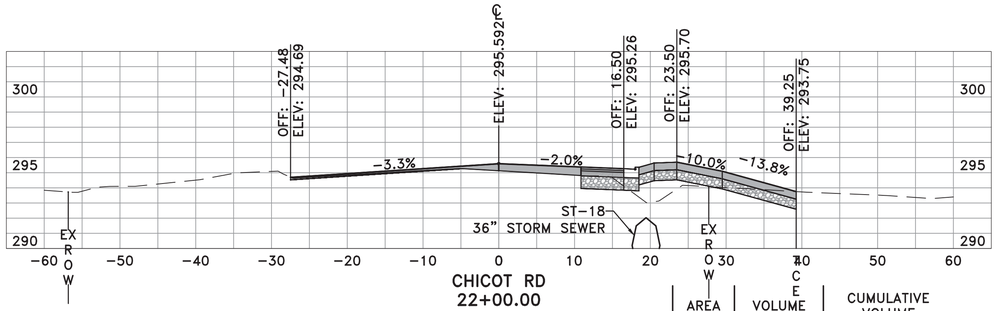
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (8)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

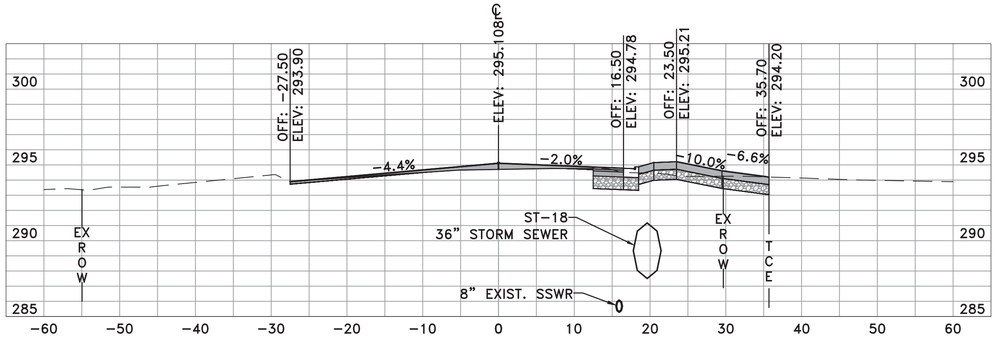
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X8



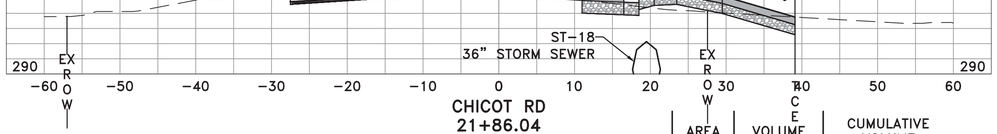
CHICOT RD
22+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	12.18	6.35	879.90
FILL	11.21	4.58	2230.03



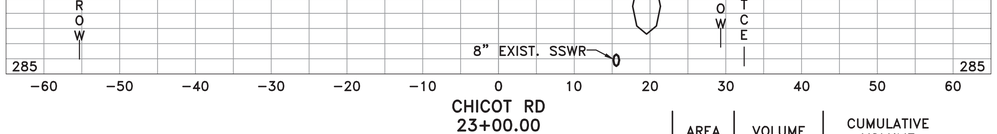
CHICOT RD
23+16.93

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	20.67	9.44	926.02
FILL	1.90	2.85	2266.81



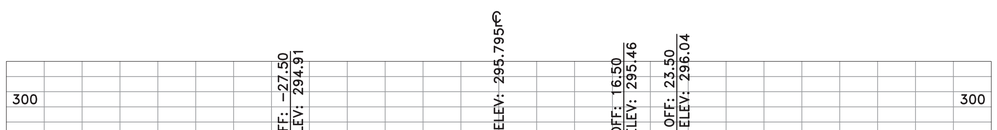
CHICOT RD
21+86.04

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	12.39	12.78	873.55
FILL	6.51	13.44	2225.45



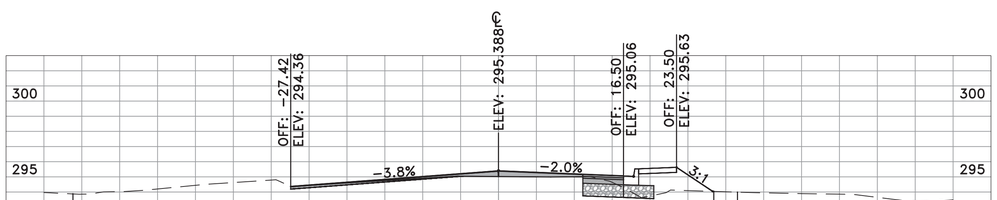
CHICOT RD
23+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	9.43	17.07	916.59
FILL	7.19	15.10	2263.96



CHICOT RD
21+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	6.76	11.41	860.77
FILL	13.63	29.08	2212.01



CHICOT RD
22+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	9.01	19.62	899.52
FILL	9.12	18.83	2248.86

REVISIONS	DATE

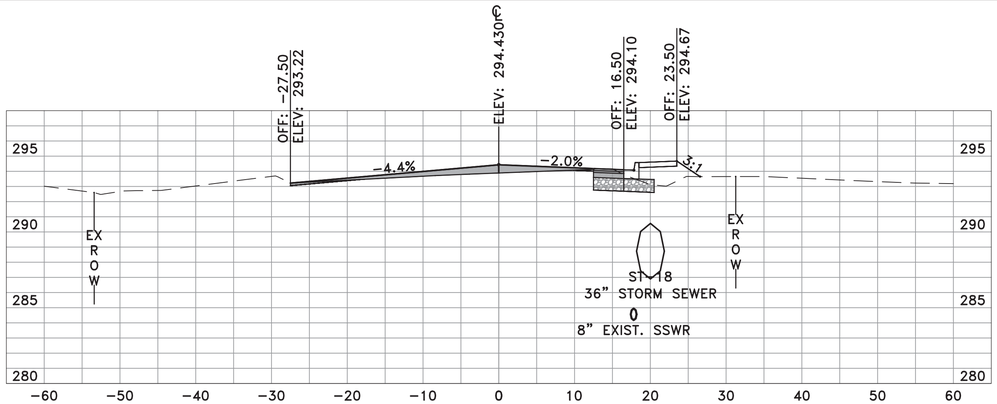
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (9)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

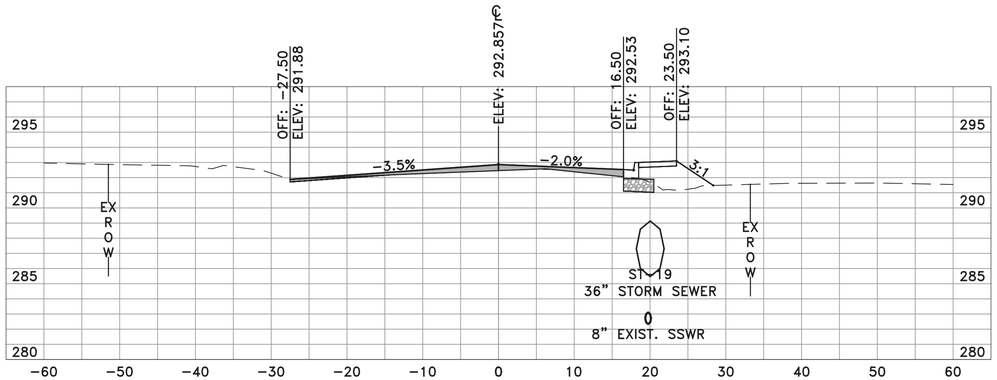
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X9



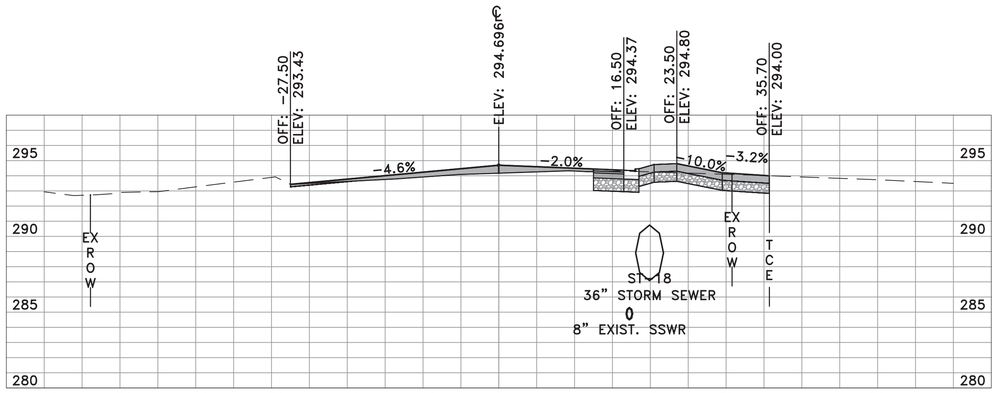
CHICOT RD
24+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	9.41	15.61	978.48
FILL	10.31	7.07	2281.89



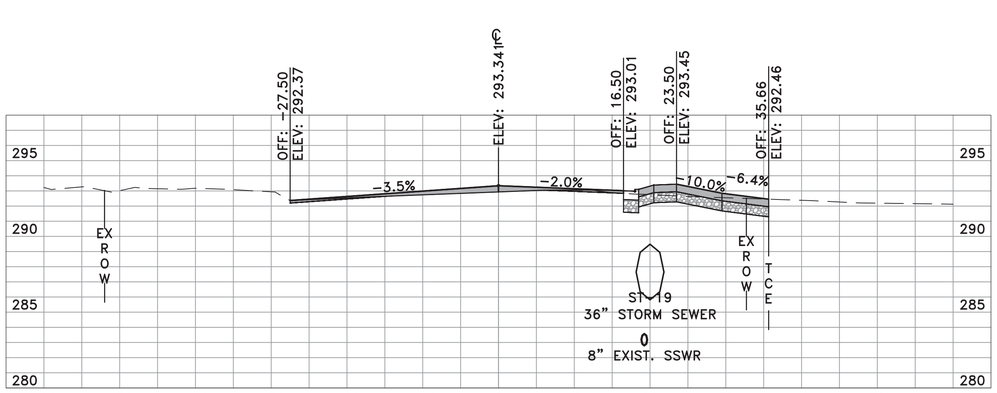
CHICOT RD
25+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	5.81	10.87	1018.04
FILL	12.93	7.38	2313.96



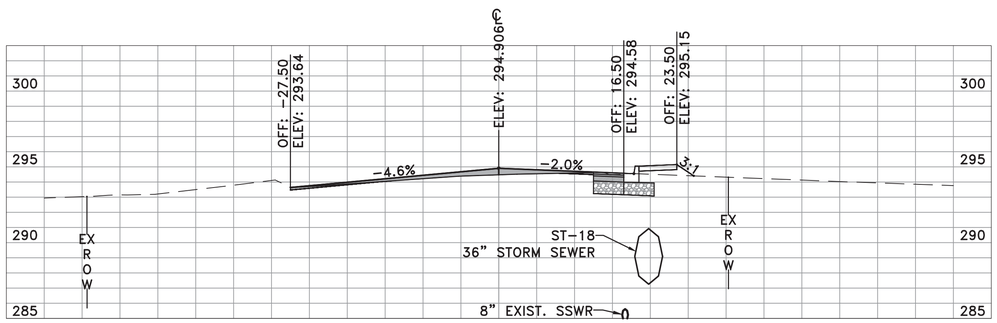
CHICOT RD
23+74.84

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	24.08	16.70	962.87
FILL	4.86	4.21	2274.82



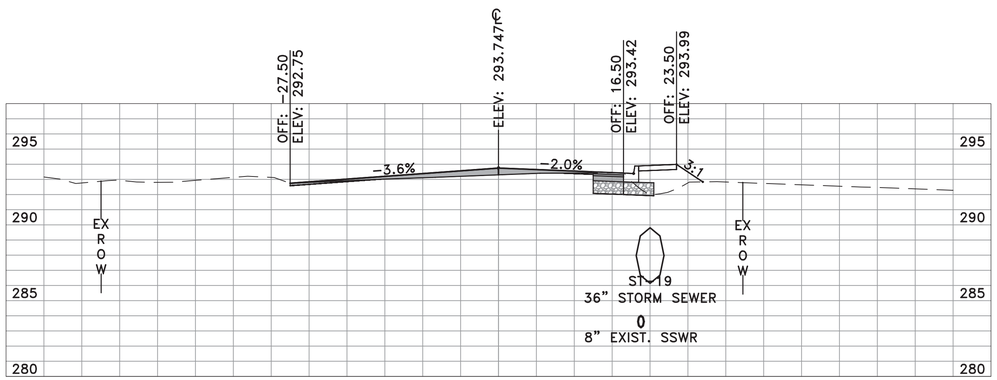
CHICOT RD
24+74.23

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	16.97	11.65	1007.17
FILL	2.53	5.71	2306.58



CHICOT RD
23+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	12.22	20.15	946.17
FILL	4.30	3.80	2270.61



CHICOT RD
24+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	9.00	17.05	995.52
FILL	10.19	18.98	2300.87

REVISIONS	DATE

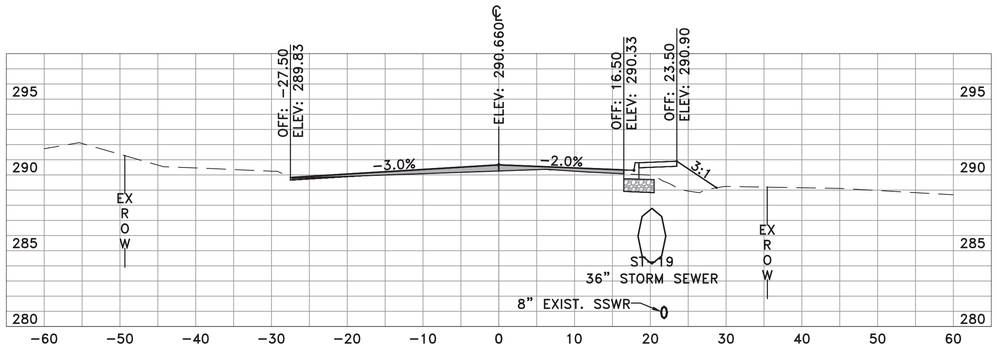
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (10)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

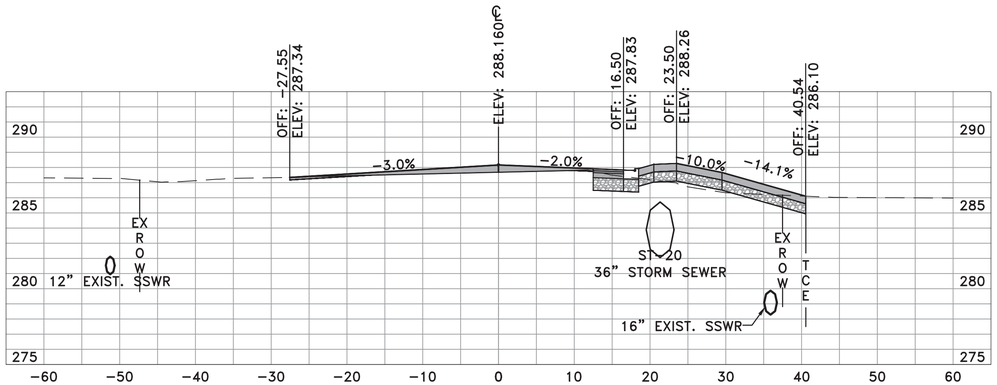
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X10



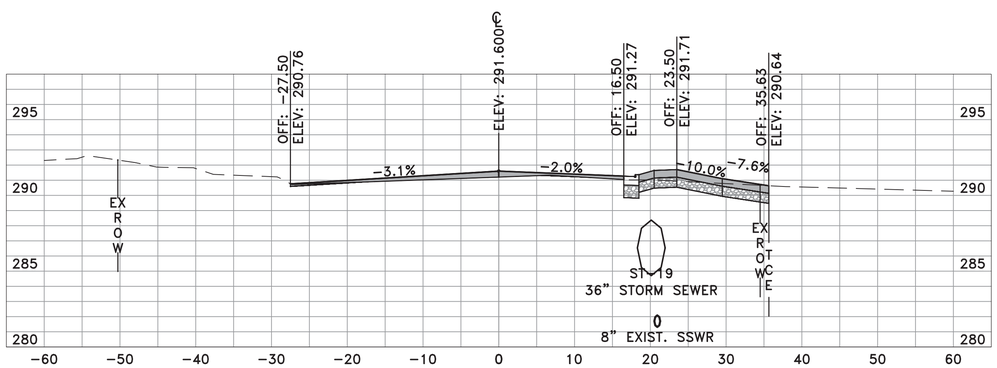
CHICOT RD
26+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	5.08	16.72	1059.61
FILL	11.96	11.89	2341.09



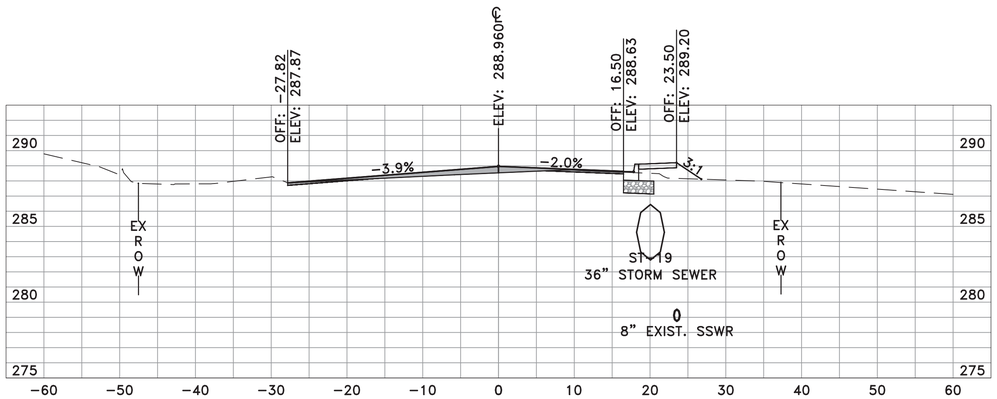
CHICOT RD
27+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	13.81	19.64	1103.29
FILL	5.46	10.80	2390.28



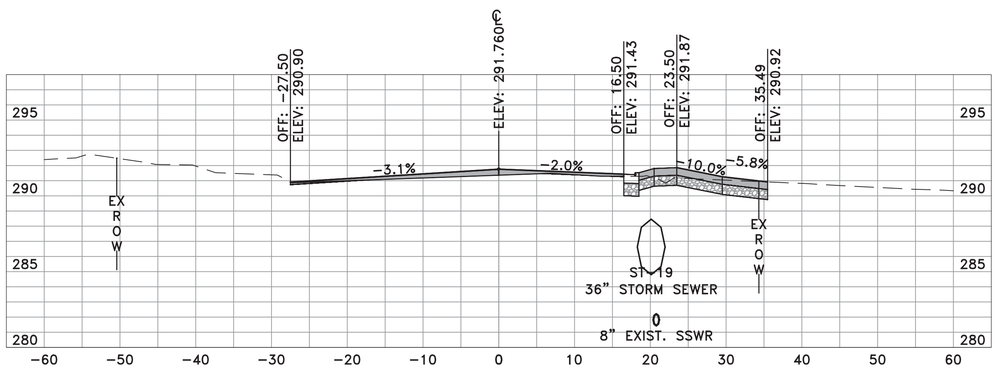
CHICOT RD
25+56.73

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	15.78	4.04	1042.89
FILL	2.87	0.70	2329.20



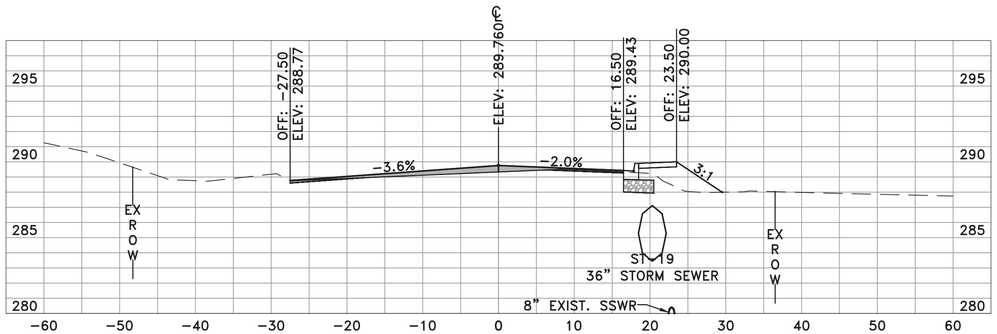
CHICOT RD
27+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	7.40	13.09	1083.65
FILL	6.21	16.53	2379.47



CHICOT RD
25+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	16.66	20.81	1038.85
FILL	2.78	14.54	2328.50



CHICOT RD
26+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	6.74	10.95	1070.56
FILL	11.64	21.86	2362.94

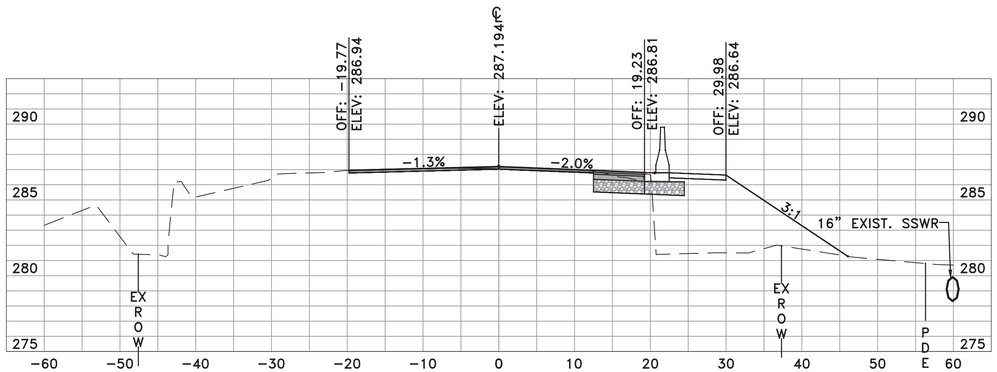
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
CROSS SECTIONS (11)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

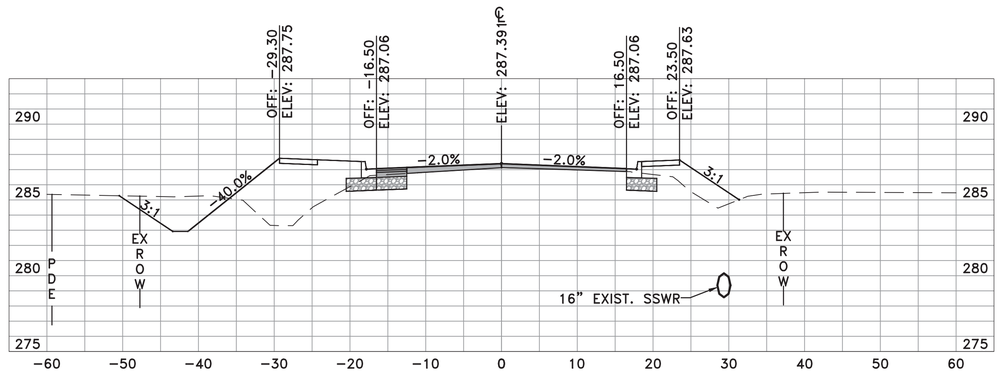
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X11



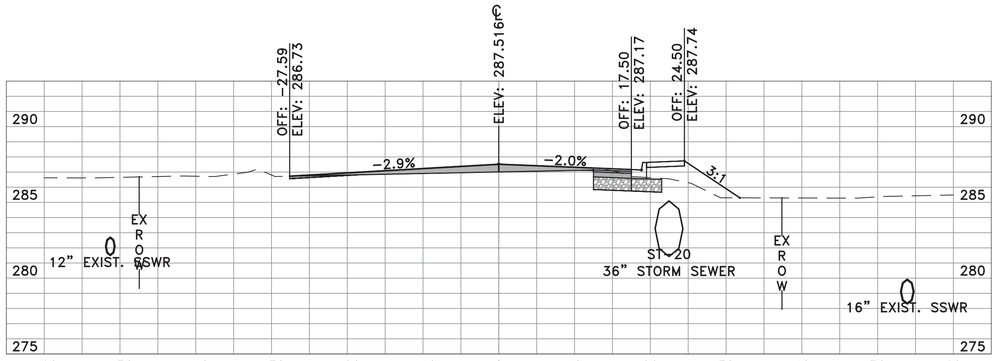
CHICOT RD
28+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	12.28	21.20	1147.37
FILL	79.51	89.42	2500.10



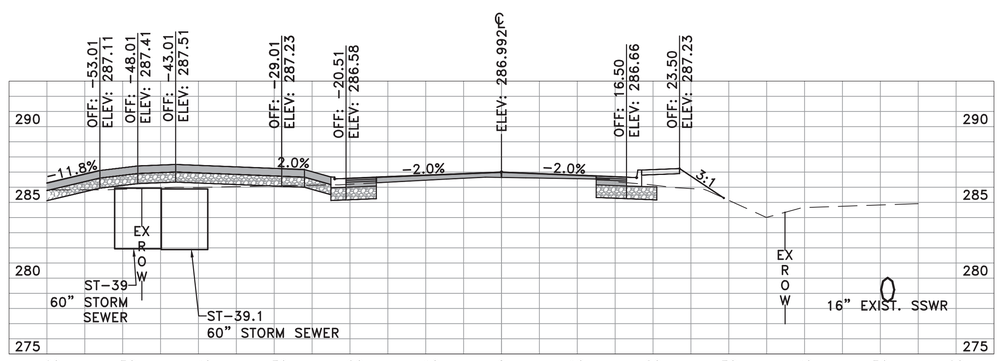
CHICOT RD
30+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	30.62	52.29	1234.96
FILL	56.54	76.62	3240.02



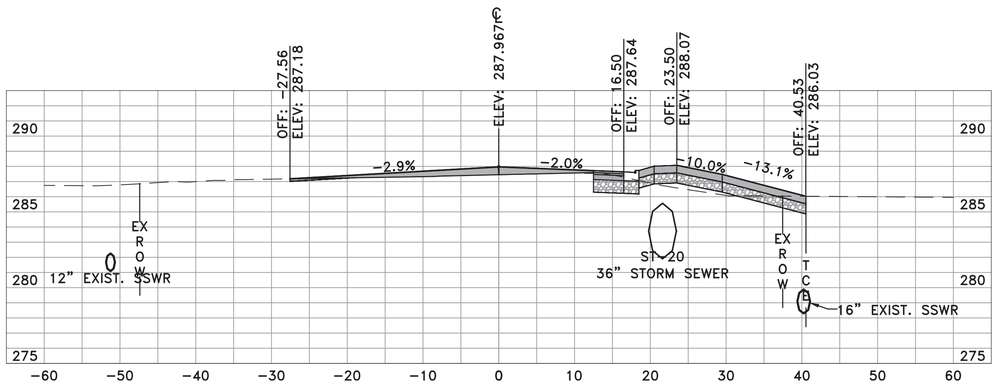
CHICOT RD
28+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	10.62	16.82	1126.17
FILL	17.07	17.44	2410.68



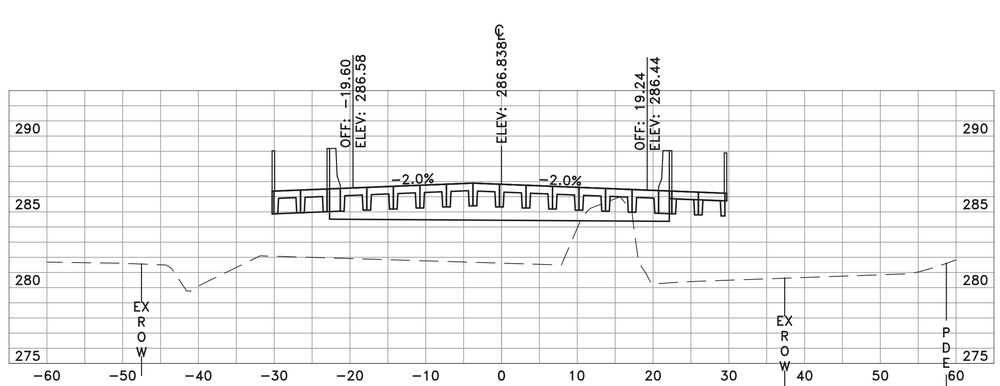
CHICOT RD
29+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	25.85	23.93	1182.68
FILL	26.21	306.97	3163.40



CHICOT RD
27+62.07

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	13.32	6.06	1109.35
FILL	7.76	2.96	2393.23



CHICOT RD
29+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	0.00	11.37	1158.74
FILL	305.33	356.33	2856.43

REVISIONS	DATE

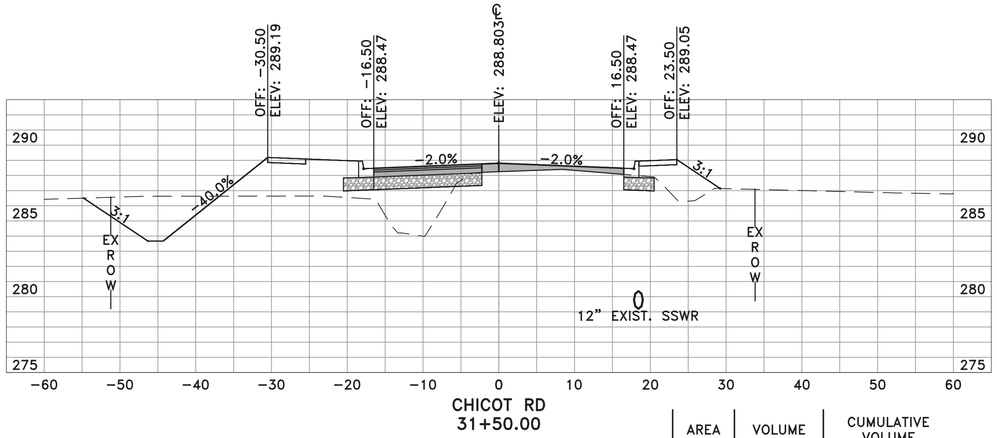
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (12)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

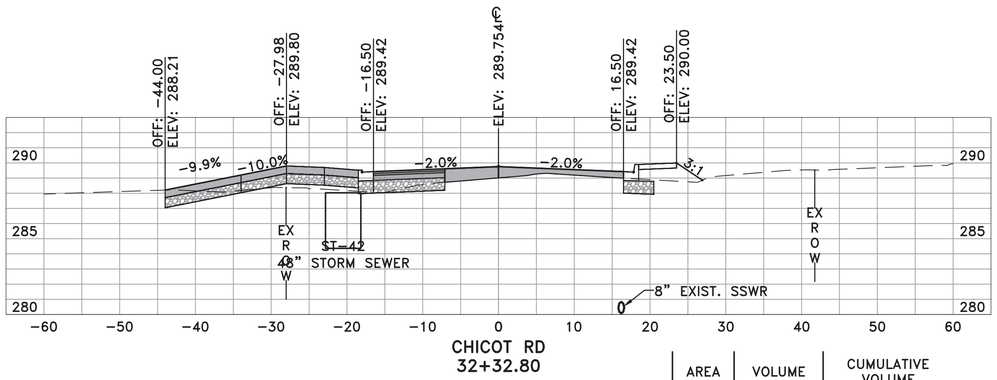
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X12



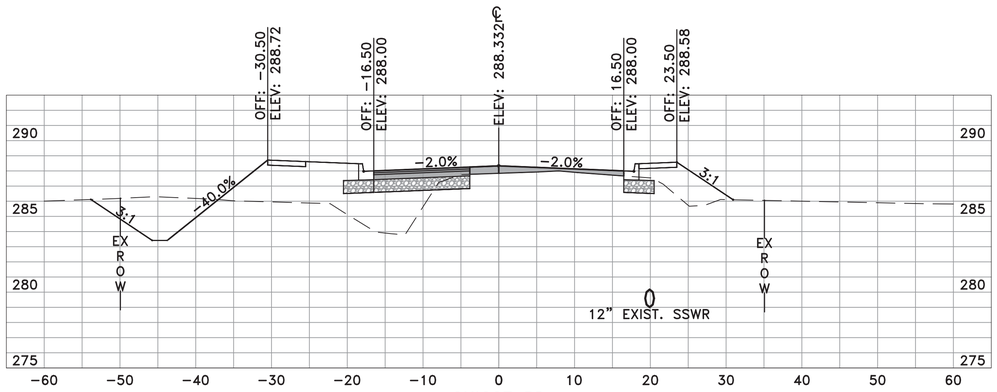
CHICOT RD
31+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	35.94	65.21	1410.39
FILL	73.60	139.94	3634.63



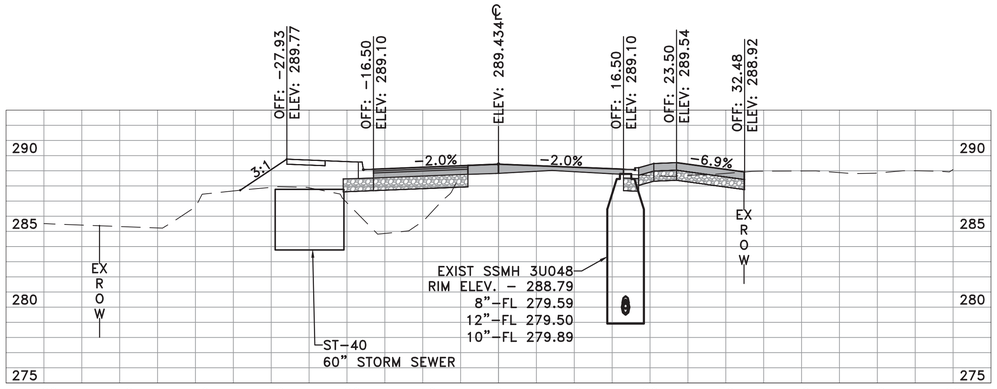
CHICOT RD
32+32.80

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	24.43	20.47	1487.78
FILL	18.49	34.94	3815.66



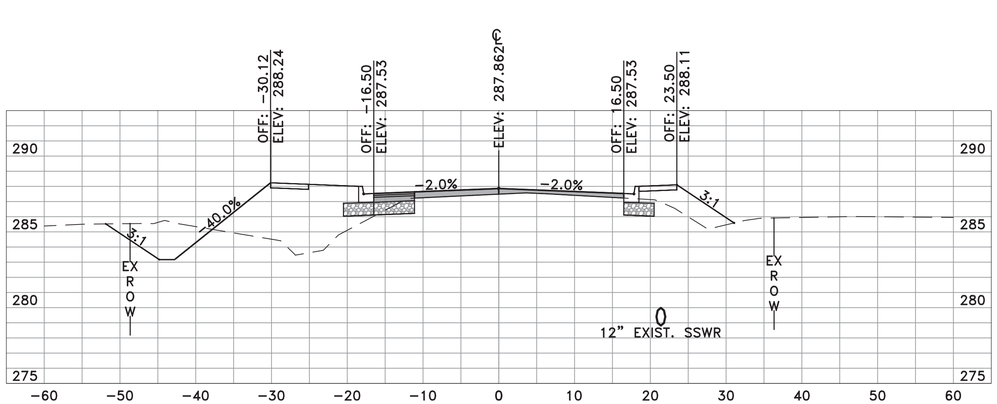
CHICOT RD
31+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	34.48	56.89	1345.18
FILL	77.54	137.05	3494.68



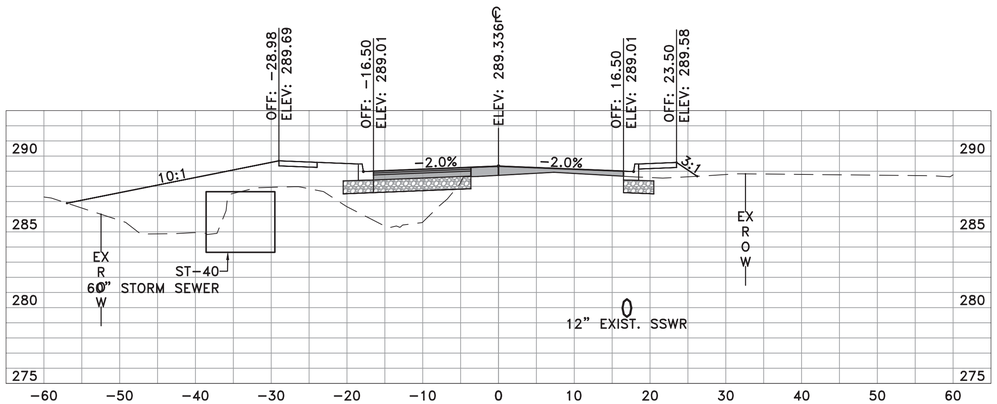
CHICOT RD
32+08.04

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	20.21	5.87	1467.31
FILL	57.70	18.20	3780.72



CHICOT RD
30+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	26.96	53.32	1288.28
FILL	70.48	117.61	3357.63



CHICOT RD
32+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	19.20	51.06	1461.44
FILL	64.53	127.89	3762.52

REVISIONS	DATE

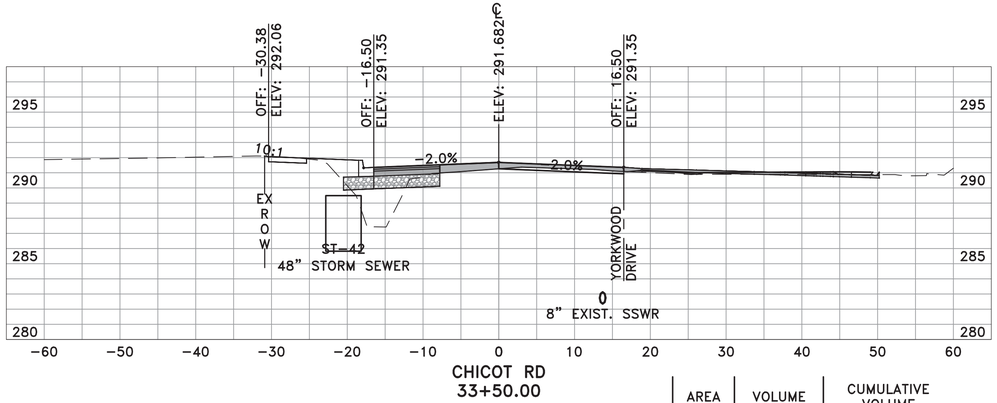
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (13)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

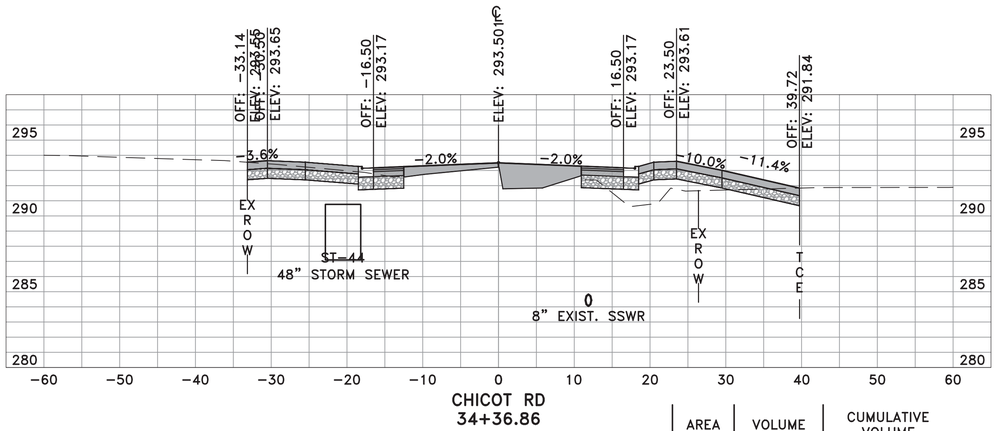
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BRYON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X13



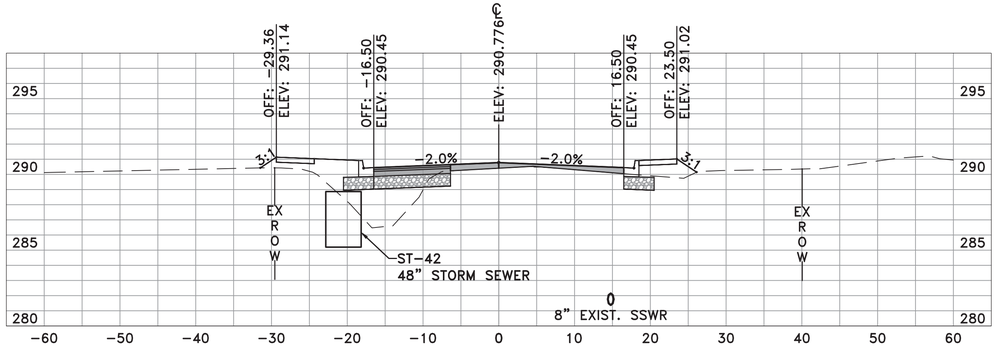
CHICOT RD
33+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	9.60	17.52	1543.86
FILL	18.03	49.94	3960.63



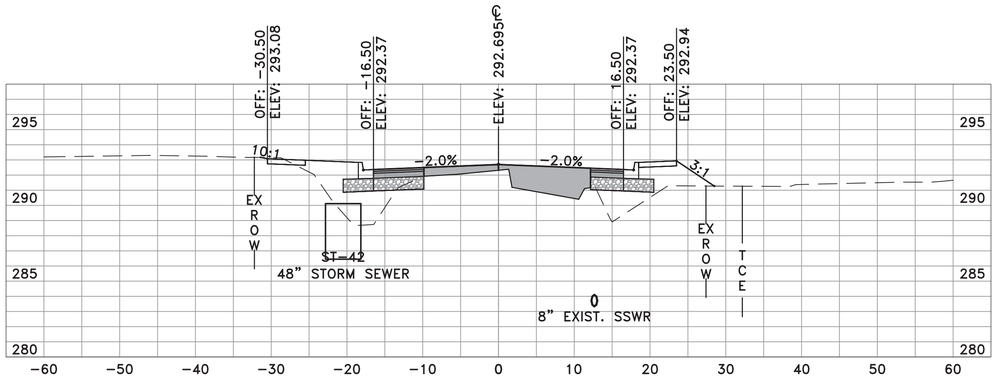
CHICOT RD
34+36.86

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	32.39	27.13	1624.87
FILL	28.49	59.27	4080.00



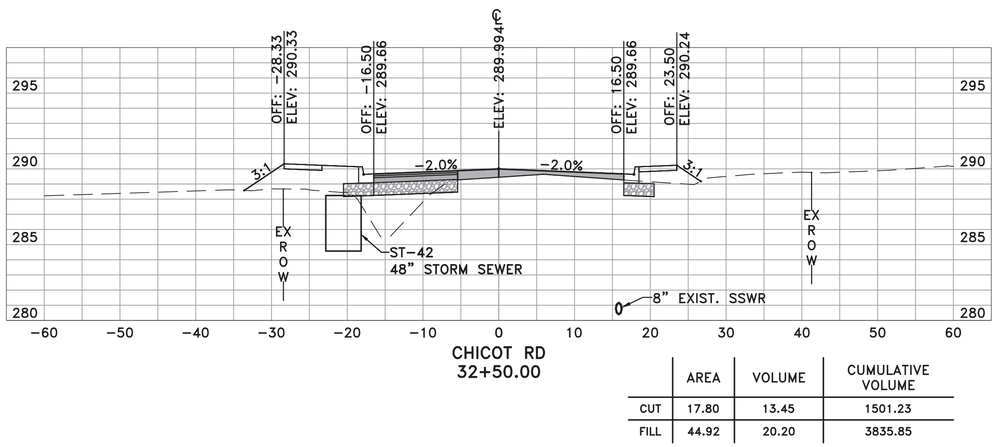
CHICOT RD
33+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	9.32	25.11	1526.34
FILL	35.91	74.84	3910.70



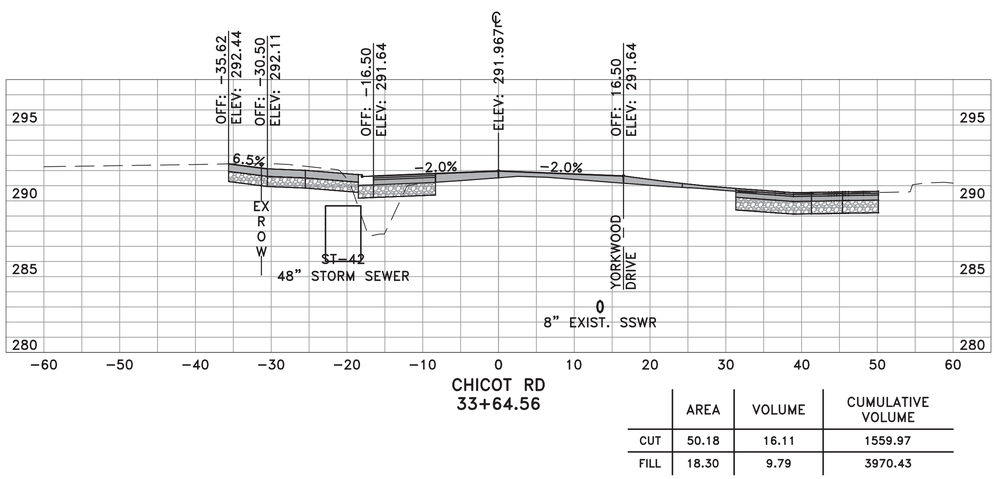
CHICOT RD
34+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	7.35	37.76	1597.74
FILL	58.34	50.30	4020.73



CHICOT RD
32+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	17.80	13.45	1501.23
FILL	44.92	20.20	3835.85



CHICOT RD
33+64.56

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	50.18	16.11	1559.97
FILL	18.30	9.79	3970.43

REVISIONS	DATE

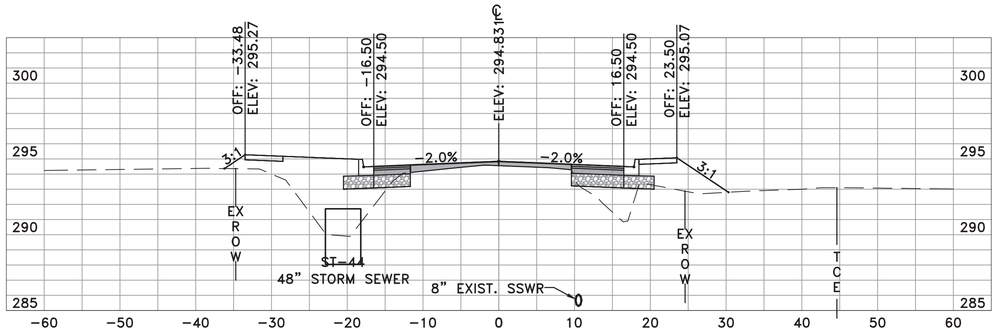
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (14)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

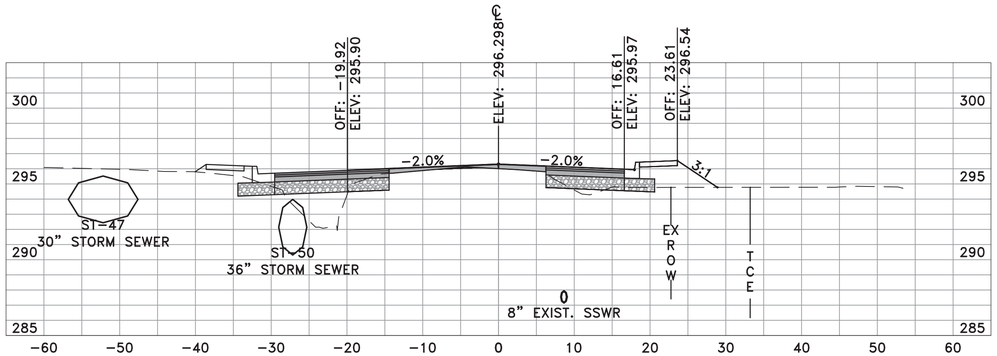
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
STEVEN O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X14



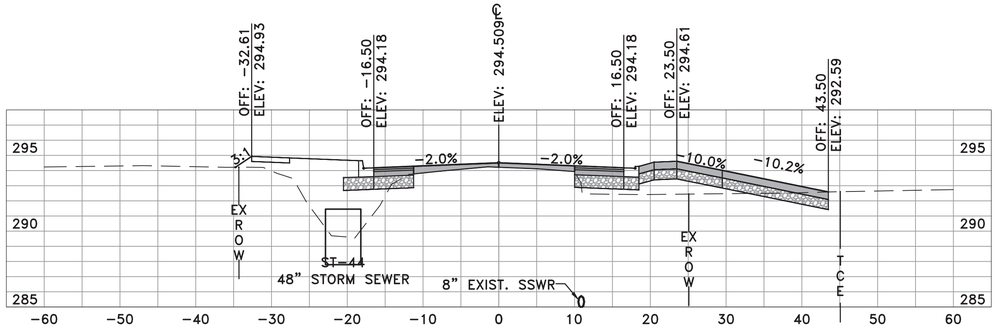
CHICOT RD
35+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	13.29	7.54	1659.60
FILL	69.75	39.74	4205.34



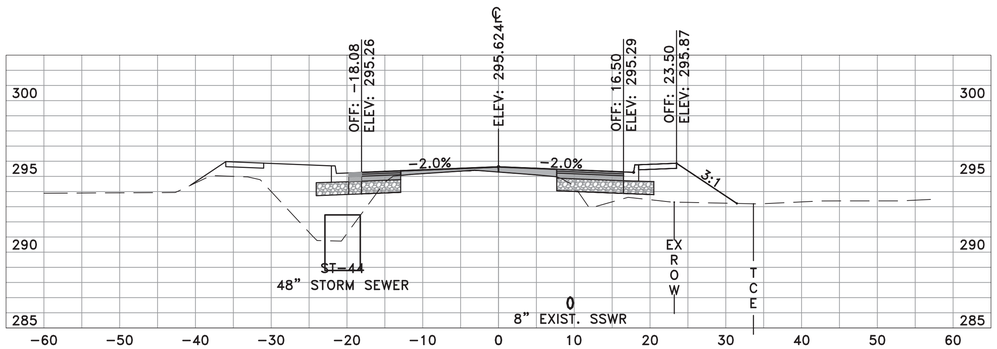
CHICOT RD
36+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	7.62	14.74	1691.38
FILL	11.50	34.49	4350.17



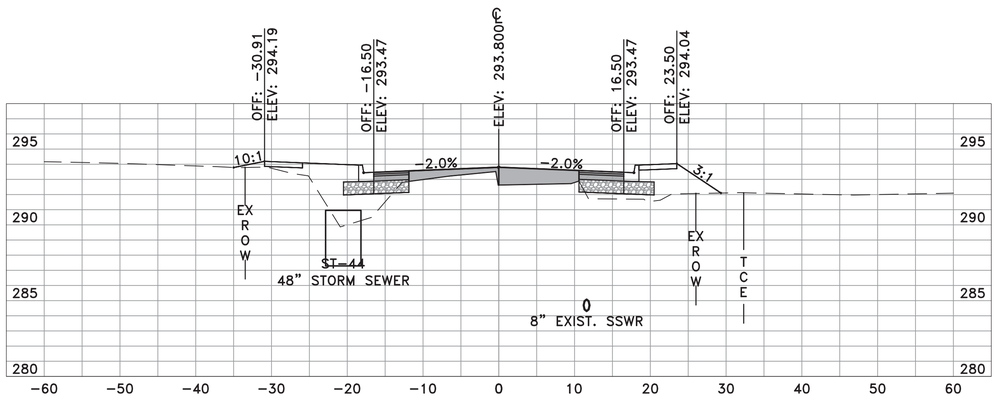
CHICOT RD
34+83.09

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	10.80	15.70	1652.06
FILL	57.14	66.27	4165.61



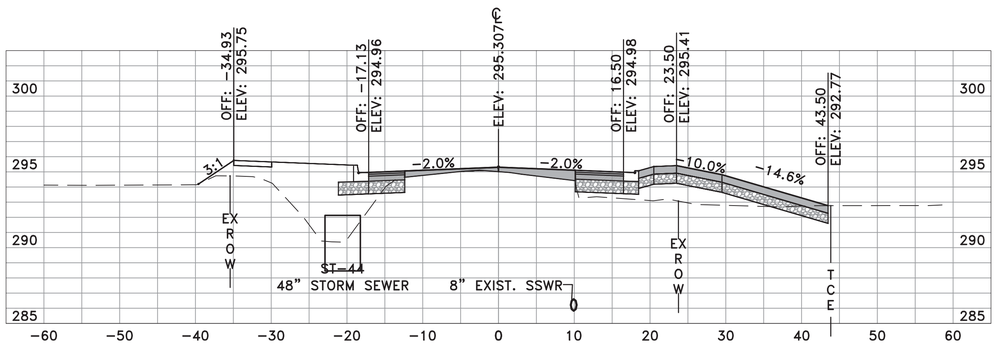
CHICOT RD
35+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	8.31	6.29	1676.63
FILL	25.75	38.10	4315.68



CHICOT RD
34+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	14.82	11.49	1636.36
FILL	51.00	19.34	4099.34



CHICOT RD
35+28.19

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	7.27	10.74	1670.34
FILL	68.60	72.24	4277.58

REVISIONS	DATE

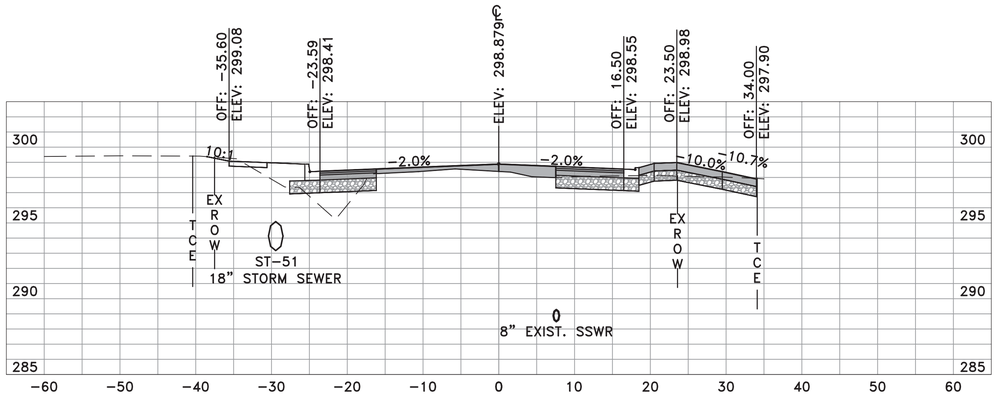
CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (15)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

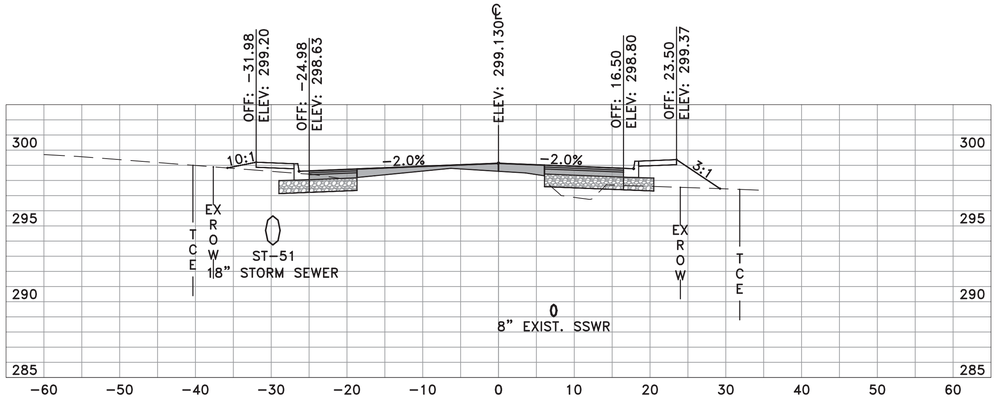
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X15



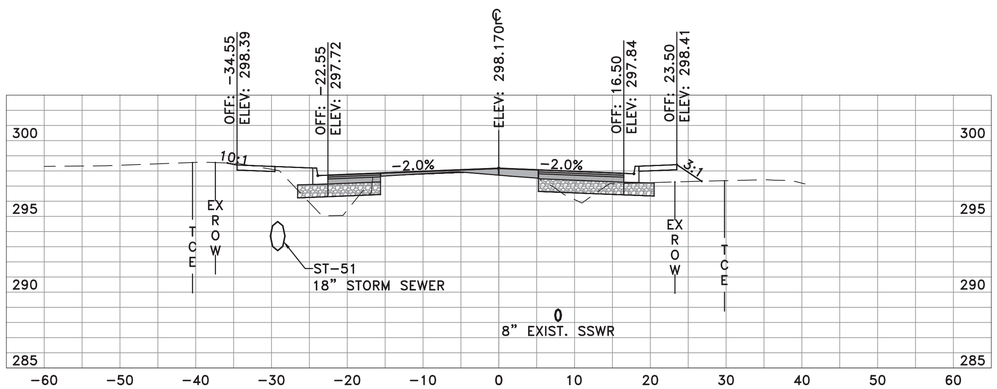
CHICOT RD
37+42.98

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	23.09	27.18	1752.05
FILL	16.50	26.48	4450.48



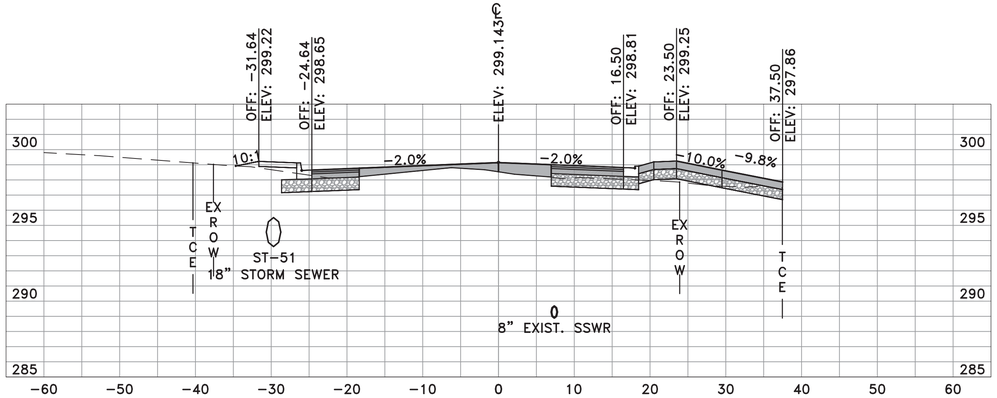
CHICOT RD
38+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	14.47	8.92	1793.23
FILL	21.00	8.18	4484.98



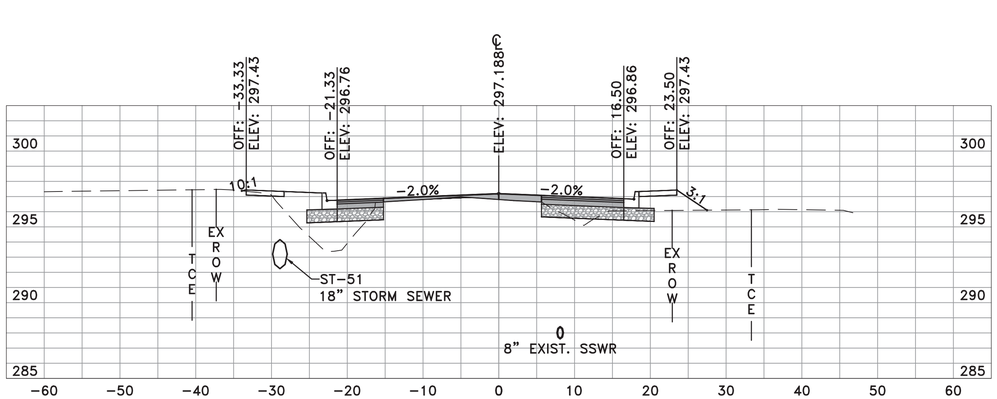
CHICOT RD
37+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	11.06	18.34	1724.87
FILL	16.77	39.36	4424.00



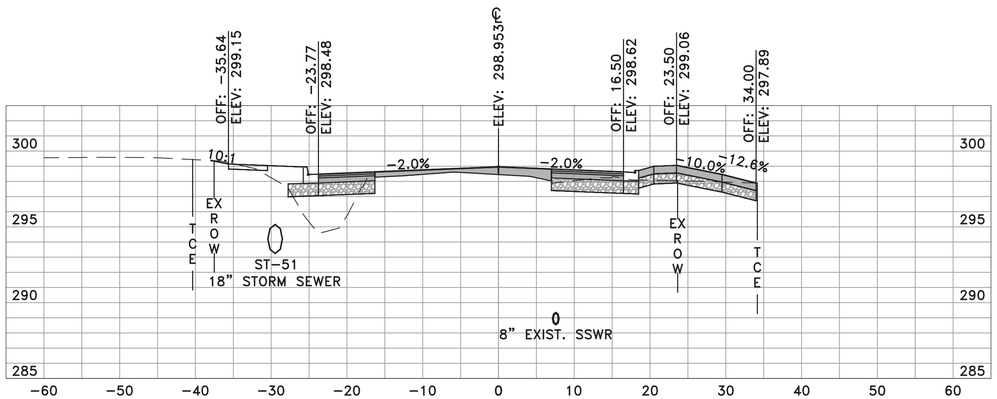
CHICOT RD
37+85.75

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	19.32	26.55	1784.31
FILL	9.98	21.30	4476.81



CHICOT RD
36+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	8.75	15.16	1706.53
FILL	25.73	34.47	4384.64



CHICOT RD
37+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	20.79	5.71	1757.76
FILL	22.19	5.03	4455.51

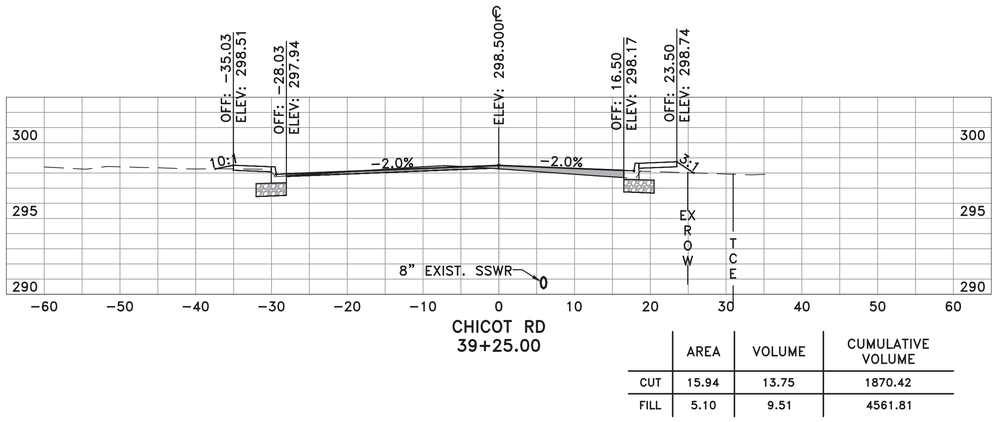
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS
CROSS SECTIONS (16)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

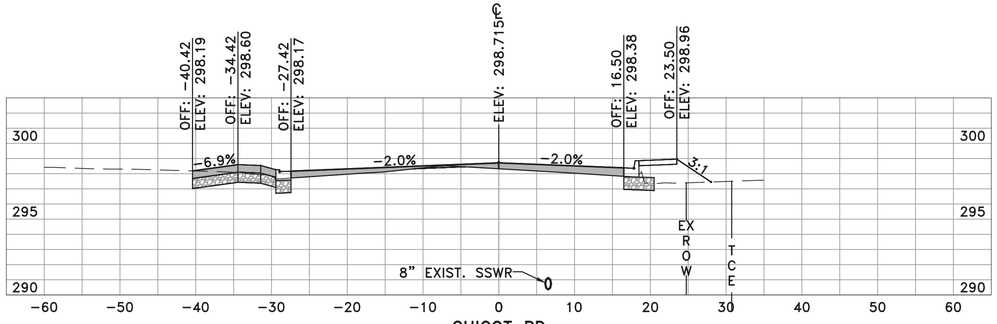
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X16



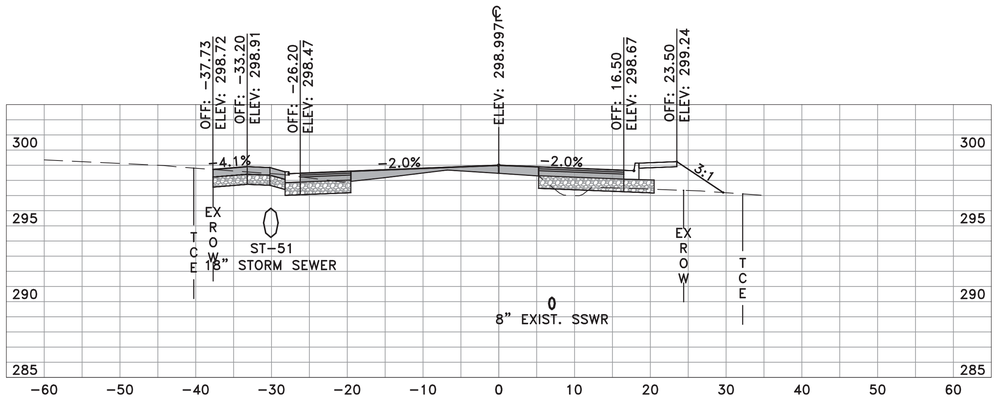
CHICOT RD
39+25.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	15.94	13.75	1870.42
FILL	5.10	9.51	4561.81



CHICOT RD
39+00.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	13.76	31.39	1856.67
FILL	15.44	31.08	4552.30



CHICOT RD
38+50.00

	AREA	VOLUME	CUMULATIVE VOLUME
CUT	20.14	32.05	1825.28
FILL	18.13	36.24	4521.22

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
CHICOT ROAD IMPROVEMENTS

CROSS SECTIONS (17)

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 13640
BYRON O. LAWRENCE
2/3/2020

DRAWN BY	KLL
DESIGNED	COF
CHECKED	BOL
DATE	1-28-2020
SCALE	H: 1"=10' V: 1"=5'
PROJECT NO.	CLR 07-17-ST-357
SHEET NO.	X17