

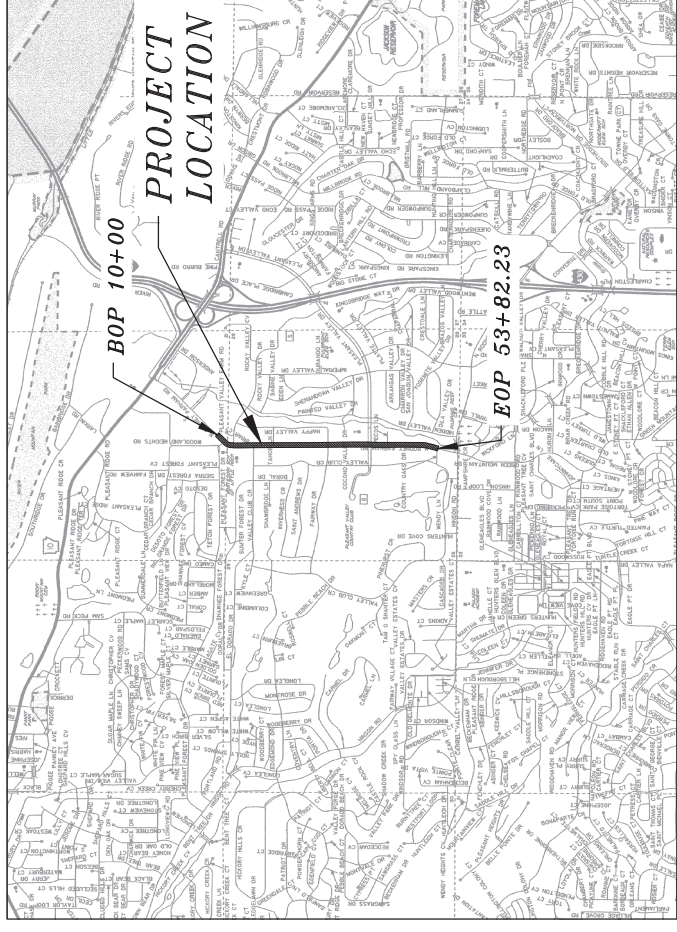
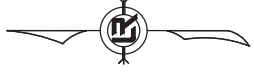
PROJECT NUMBER 04-17-ST-202

N. RODNEY PARHAM

ROAD RECONSTRUCTION

PLEASANT FOREST ROAD TO HINSON ROAD

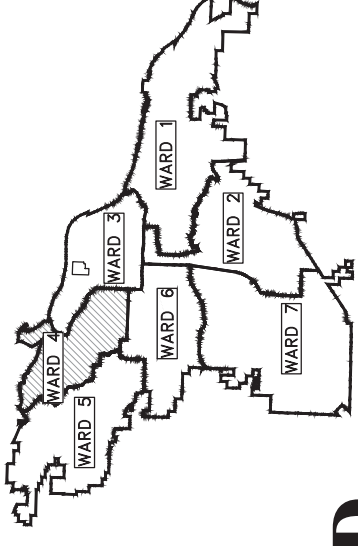
LITTLE ROCK, ARKANSAS



N.T.S.

PRELIMINARY
SUBJECT TO REVISION
100% SUBMITTAL 05/04/2021

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




PROJECT LOCATION – WARD 4

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
COVER SHEET

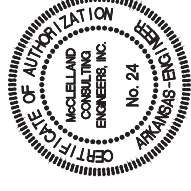
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201




DRAWN BY	JAM
DESIGNED	CGS
CHECKED	MK
DATE	05/04/2021
SCALE	N.T.S.
PROJECT NO.	04-17-ST-202
SHEET NO.	C01

SHEET NO.	TITLE	SHEET NO.	TITLE
C01	COVER SHEET	C37	MAINTENANCE OF TRAFFIC DETAILS STAGE 1
C02	LEGEND AND QUANTITIES	C38	MAINTENANCE OF TRAFFIC DETAILS STAGE 1
C03	TYPICAL SECTIONS	C39	MAINTENANCE OF TRAFFIC DETAILS STAGE 1
C04	TYPICAL SECTIONS	C40	MAINTENANCE OF TRAFFIC DETAILS STAGE 2
C05	TOPOGRAPHIC SURVEY	C41	MAINTENANCE OF TRAFFIC DETAILS STAGE 2
C06	TOPOGRAPHIC SURVEY	C42	MAINTENANCE OF TRAFFIC DETAILS STAGE 2
C07	TOPOGRAPHIC SURVEY	C43	MAINTENANCE OF TRAFFIC DETAILS STAGE 2
C08	TOPOGRAPHIC SURVEY	C44	MAINTENANCE OF TRAFFIC DETAILS STAGE 2
C09	TOPOGRAPHIC SURVEY	C45	MAINTENANCE OF TRAFFIC DETAILS STAGE 3
C10	TOPOGRAPHIC SURVEY	C46	MAINTENANCE OF TRAFFIC DETAILS STAGE 3
C11	TOPOGRAPHIC SURVEY	C47	MAINTENANCE OF TRAFFIC DETAILS STAGE 3
C12	TOPOGRAPHIC SURVEY	C48	MAINTENANCE OF TRAFFIC DETAILS STAGE 3
C13	TOPOGRAPHIC SURVEY	C49	MAINTENANCE OF TRAFFIC DETAILS STAGE 3
C14	PLAN ROCKY VALLEY DR.	C50	STRIPING PLAN
C15	PLAN AND PROFILE	C51	STRIPING PLAN
C16	PLAN AND PROFILE	C52	STRIPING PLAN
C17	PLAN AND PROFILE	C53	STRIPING PLAN
C18	PLAN AND PROFILE	C54	STRIPING PLAN
C19	PLAN AND PROFILE	C55	DRIVEWAY DETAIL 3217
C20	PLAN AND PROFILE	C56	SIGNALIZATION PLAN SHEETS
C21	PLAN AND PROFILE	C57	SIGNALIZATION PLAN SHEETS
C22	PLAN AND PROFILE	C58	SIGNALIZATION PLAN SHEETS
C23	PLAN AND PROFILE	C59	SIGNALIZATION PLAN SHEETS
C24	PLAN AND PROFILE	C60-C90	CROSS SECTIONS
C25	EROSION CONTROL DETAILS STAGE 1	E1	ELECTRICAL LEGEND AND ABBREVIATIONS
C26	EROSION CONTROL DETAILS STAGE 1	E2	ELECTRICAL ROADWAY LAYOUT I
C27	EROSION CONTROL DETAILS STAGE 1	E3	ELECTRICAL ROADWAY LAYOUT II
C28	EROSION CONTROL DETAILS STAGE 1	E4	ELECTRICAL ROADWAY LAYOUT III
C29	EROSION CONTROL DETAILS STAGE 1	E5	ELECTRICAL ROADWAY LAYOUT IV
C30	EROSION CONTROL DETAILS STAGE 2	E6	PEDESTAL SCHEDULES
C31	EROSION CONTROL DETAILS STAGE 2	E7	ELECTRICAL DETAILS
C32	EROSION CONTROL DETAILS STAGE 2	SD-5	CONTROLLER CABINET UTILITY DRAWER
C33	EROSION CONTROL DETAILS STAGE 2	SD-6	HEAVY DUTY PULL BOX
C34	EROSION CONTROL DETAILS STAGE 2	SD-8	SIGNAL HEAD PLACEMENT
C35	MAINTENANCE OF TRAFFIC DETAILS STAGE 1	SD-9	SERVICE POINT
C36	MAINTENANCE OF TRAFFIC DETAILS STAGE 1	SD-11	STEEL POLE WITH MAST ARM

**FOR CONSTRUCTION
INCLUDES ADDENDUMS 1 & 3**




7302 Kamis Rd.
Little Rock, Arkansas 72204
PH# 501.371.0272
HTTP://WWW.MCE.US.COM

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
LEGEND AND QUANTITIES

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




DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	05/04/2021
SCALE	N.T.S.
PROJECT NO.	04-17-ST-202
SHEET NO.	C02

ITEM NO.	DESCRIPTION	UNIT	TOTAL QTY.
2.01	Site Preparation	LS	1
3.01	Unclassified Excavation	CY	15,567
3.06	Compacted Embankment	CY	4,835
3.01 & SP	Undercut (Unclassified Excavation & Select Fill)	CY	5,340
4.01	Aggregate Base Course	TON	11,793
5.01	Tack Coat	GAL	1,050
6.01	ACHM Surface Course	TON	2,435
6.20	ACHM Binder Course	TON	3,610
7.06	Concrete Driveway Apron (6" Thick), Standard Finish	SF	19,185
7.06A & SP	Concrete Driveway Apron (6" Thick), Exposed Aggregate Finish	SF	13,308
7.06B & SP	Concrete Driveway Apron (6" Thick), Brick Finish	SF	170
7.06C & SP	Concrete Driveway Apron (6" Thick), Textured Stone Finish	SF	182
8.03	Concrete Curb and Gutter (Class 3)	LF	10,200
9.04	Concrete Sidewalk (4" Thick)	SF	27,475
9.30	Concrete Sidewalk "Turn Down" Wall (PW-43)	SF	1,865
9.40	Concrete Sidewalk "Turn Up" Wall (PW-44)(PW-45)	SF	4,125
10.01	Junction Box	EA	2
10.02	Area Inlet	EA	7
10.04	Curb Inlet, (4' Box)	EA	59
10.06	Curb Inlet, (5' Box)	EA	6
10.07	Wing 3' Extension	EA	20
10.10	Wing 6' Extension	EA	19
10.14	Wing 10' Extension	EA	14
10.80	Rebuild Inlet Top	EA	2
11.20	Reinforced Concrete Retaining Wall	CY	240
13.18 C	Storm Drain Pipe, 18" Cross Drain	LF	866
13.18 S	Storm Drain Pipe, 18" Side Drain	LF	366
13.24 C	Storm Drain Pipe, 24" Cross Drain	LF	96
13.24 S	Storm Drain Pipe, 24" Side Drain	LF	946
13.30 C	Storm Drain Pipe, 30" Cross Drain	LF	48
13.30 S	Storm Drain Pipe, 30" Side Drain	LF	13
13.36 S	Storm Drain Pipe, 36" Side Drain	LF	666
13.61	Tie into Existing Junction Box	EA	2
13.62	Tie into Existing Concrete Pipe	EA	13
14.01	Solid Sodding, Bermuda (INCLUDES 4" TOPSOIL)	SY	28,000
16.01	Maintenance of Traffic	LS	1
17.01	Pavement Repair (PW-25)	SY	510
18.40	Handrail	LF	1,538
18.50	Access Ramp	SF	1,125
18.55	Water for Dust Control	GAL	50,000
19.01	Final Cleanup	LS	1
23.01	B Stone	TON	8,500
24.06	Sediment Barrier, Silt Fence (SD1)	LF	1,040
24.11	Silt Fence - (SF-B)	LF	8,000
26.10	Trench or Excavation Safety Systems	LS	1
625.08	Geotextile Fabric (Type 8)	SY	15,000
SP	Roadway Illumination Pole	EA	28
SP	Street Lighting Wiring	LS	1
719.04 W	Thermoplastic Pavement Marking White (4")	LF	7,670
719.04 Y	Thermoplastic Pavement Marking Yellow (4")	LF	9,005
719.12 W	Thermoplastic Pavement Marking White (12")	LF	145
719.60	Thermoplastic Pavement Marking (Arrows)	EA	20
719.70	Thermoplastic Pavement Marking (Bike Emb.)	EA	17
SP	Thermoplastic Pavement Marking (Crosswalk)	SF	4,860
SP	Conduit Sleeves	LF	309
SP	Signage	LS	1

7.06 ASPHALT DRIVE APRON (2" ACHM 6" CLASS 7) S.F. 1,830
13.22C Storm Drain Pipe, 22" X 13.5" Arch Cross Drain L.F. 149
13.36C Storm Drain Pipe, 36" Cross Drain LF 80

EXISTING

IRON ROD
R.R. SPIKE
CONC. MONUMENT
WATER VALVE
FIRE HYDRANT
GAS METER
GAS VALVE
CLEAN-OUT
GUARD POST (BOLLARD)
SIGN POST
BENCHMARK
STORM SEWER MANHOLE
SANITARY SEWER MANHOLE
TELEPHONE MANHOLE
ELECTRIC MANHOLE
TELEPHONE BOX
ELECTRIC BOX
CABLE BOX
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
OVERHEAD ELECTRIC
OVERHEAD TELEPHONE
OVERHEAD CABLE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRIC
UNDERGROUND CABLE
WATER LINE
SEWER LINE
GAS LINE
STORM SEWER/CULVERT
EDGE OF WOODS
CONTOUR LINE

24" CMP/RCP/DIP
6.50

PROPOSED

PROPOSED CONTOUR
PROPOSED SPOT ELEVATION
PROPOSED SPOT CURB ELEVATION
STORM SEWER - PIPE
STORM SEWER - MITERED END SECTION
STORM SEWER - GRATE INLET
STORM SEWER - JUNCTION BOX
STORM SEWER - FLARED END SECTION
STORM SEWER - HEADWALL
STORM SEWER - SINGLE WING
STORM SEWER - DOUBLE WING
STORM SEWER - AREA INLET
GRADE BREAK LINE
HIGH POINT
LOW POINT
CUT LINE
FILL LINE
SANITARY SEWER PIPE
SANITARY SEWER MANHOLE
PROPOSED CURB
PROPOSED CONCRETE
CONSTRUCTION - ENTRANCE/EXIT
CHECK DAM
DIVERSION BERM
DOWNDRAIN STRUCTURE - TEMPORARY
ROCK DAM
SEDIMENT BARRIER - SILT FENCE
SEDIMENT BARRIER - GRAVEL RING
SEDIMENT BARRIER - BLOCK & GRAVEL
SEDIMENT BARRIER - BLOCK
TEMPORARY SEDIMENT BASIN
SILT FENCE - TYPE A
SILT FENCE - TYPE B
SILT FENCE - TYPE C
STORM DRAIN OUTLET PROTECTION
SURFACE ROUGHENING
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING
DISTURBED AREA STABILIZATION - PERMANENT GRASSING
MATTING/BLANKETS


LEGEND AND QUANTITIES

Legend symbols for existing and proposed items, including various pipe types, manholes, and structures.

REVISIONS	DATE

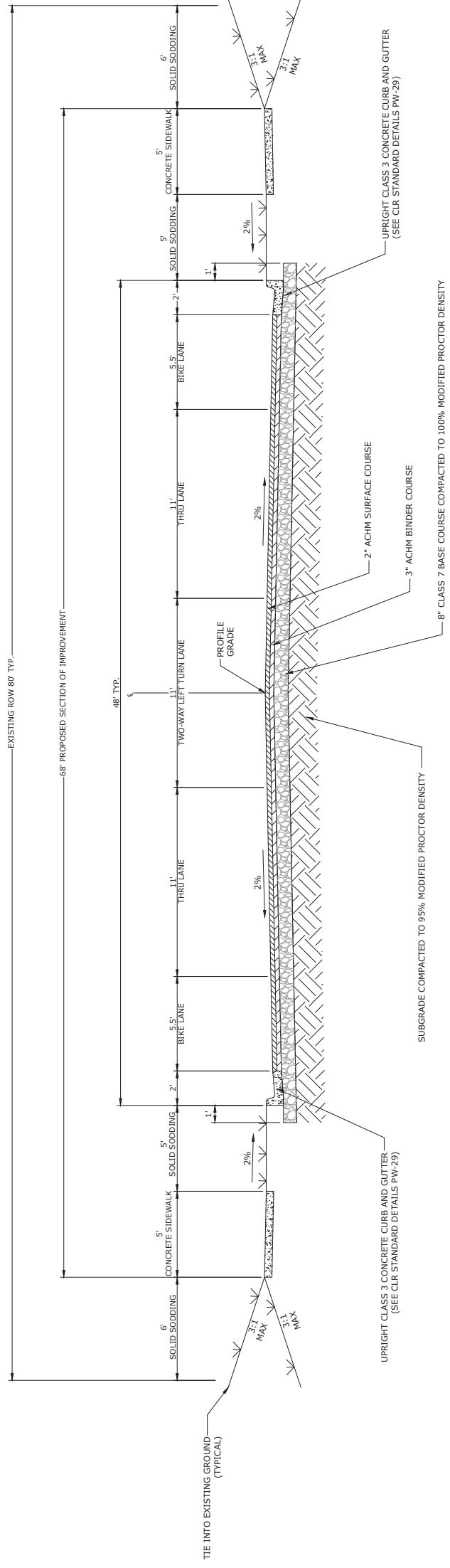
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
 TYPICAL SECTIONS

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

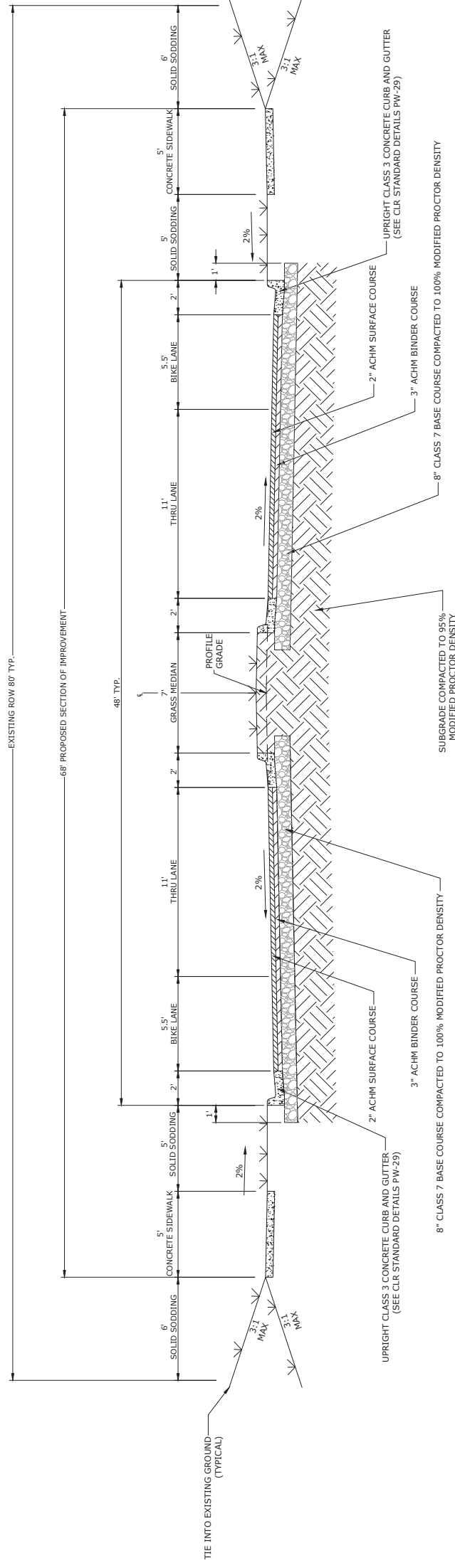


STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 No. 17435
 SAUL R. GUTHERY

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	01/31/2020
SCALE	NTS
PROJECT NO.	04-17-ST-202
SHEET NO.	C03




TYPICAL SECTION OF IMPROVEMENT
3 LANE SECTION
 N.T.S.

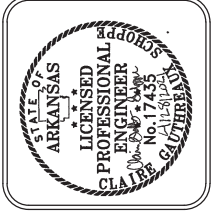


TYPICAL SECTION OF IMPROVEMENT
RAISED GRASS MEDIAN
 N.T.S.

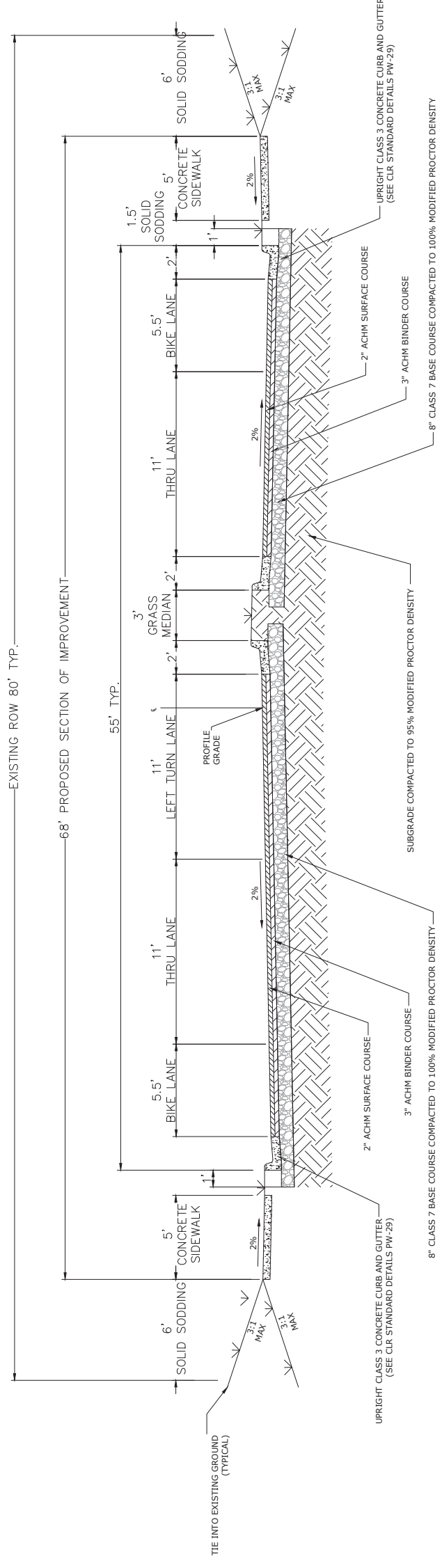
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
TYPICAL SECTIONS

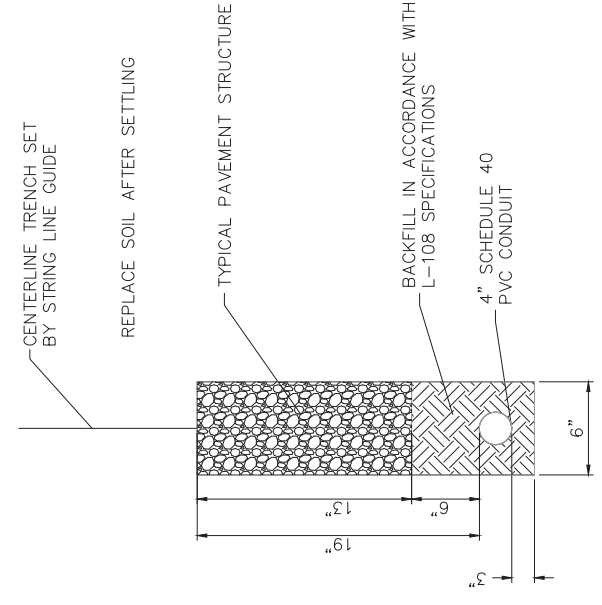

 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	NTS
PROJECT NO.	04-17-ST-202
SHEET NO.	C04



**TYPICAL SECTION OF IMPROVEMENT
 MEDIAN AT LT. TURN LANE**
 N.T.S.




DETAIL FOR CONDUIT SLEEVE
 N.T.S.

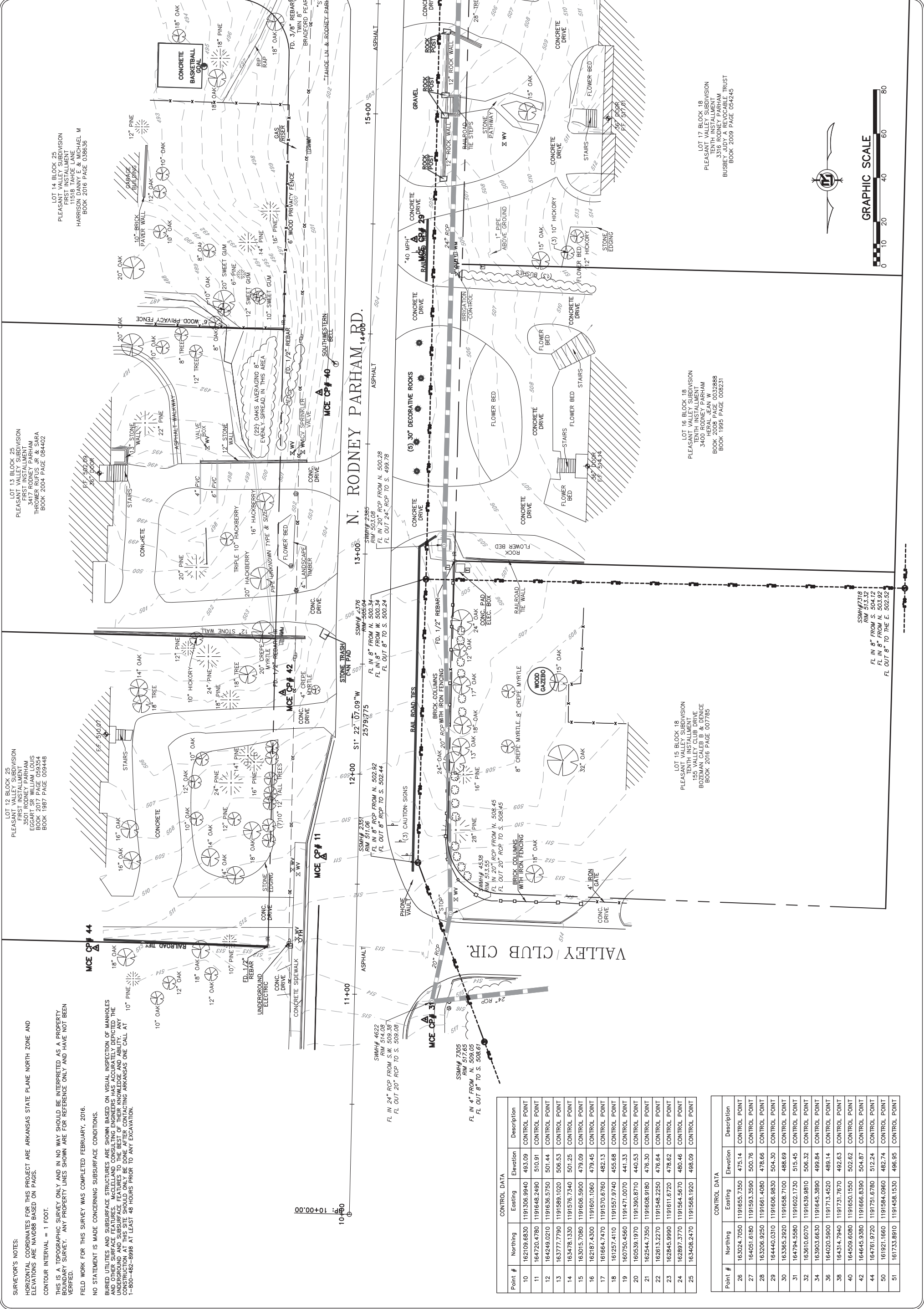
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
TOPOGRAPHIC SURVEY

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



DRAWN BY	JDM
DESIGNED	NA
CHECKED	KLS
DATE	2-12-2016
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C05



SURVEYOR'S NOTES:
 HORIZONTAL COORDINATES FOR THIS PROJECT ARE ARKANSAS STATE PLANE NORTH ZONE AND ELEVATIONS ARE NAVD83 BASED ON PAGES.
 CONTOUR INTERVAL = 1 FOOT.
 THIS IS A TOPOGRAPHIC SURVEY ONLY AND IN NO WAY SHOULD BE INTERPRETED AS A PROPERTY BOUNDARY SURVEY. ANY PROPERTY LINES SHOWN ARE FOR REFERENCE ONLY AND HAVE NOT BEEN VERIFIED.
 FIELD WORK FOR THIS SURVEY WAS COMPLETED FEBRUARY, 2016.
 NO STATEMENT IS MADE CONCERNING SUBSURFACE CONDITIONS.
 BURIED UTILITIES AND SUBSURFACE STRUCTURES ARE SHOWN BASED ON VISUAL INSPECTION OF MANHOLES AND OTHER SURFACE FEATURES. McCLELLAND CONSULTING ENGINEERS HAS ACCURATELY DEPICTED THE UTILITIES AND SUBSURFACE STRUCTURES AS SHOWN. ANY UNDETECTED UTILITIES OR STRUCTURES CONSTRUCTION AT THIS SITE SHOULD ONLY BE DONE AFTER CONTACTING ARKANSAS ONE CALL AT 1-800-482-8998 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION.

PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3417 RODNEY PARHAM
 THROWER RUFUS JR & SARA
 BOOK 2017 PAGE 059354
 BOOK 1987 PAGE 009448

PLEASANT VALLEY SUBDIVISION
 TENTH INSTALLMENT
 3400 RODNEY PARHAM
 HERAL JEAN W
 BOOK 2008 PAGE 008888
 BOOK 1995 PAGE 008231

PLEASANT VALLEY SUBDIVISION
 TENTH INSTALLMENT
 3316 RODNEY PARHAM
 BUSBY JUDY A REVOCABLE TRUST
 BOOK 2009 PAGE 054245

PLEASANT VALLEY SUBDIVISION
 TENTH INSTALLMENT
 155 VALLEY CLUB DRIVE
 BOZEMAN CALEB B & DENISE
 BOOK 2016 PAGE 007785

LOT 17 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 TENTH INSTALLMENT
 3316 RODNEY PARHAM
 BUSBY JUDY A REVOCABLE TRUST
 BOOK 2009 PAGE 054245

LOT 16 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 TENTH INSTALLMENT
 3400 RODNEY PARHAM
 HERAL JEAN W
 BOOK 2008 PAGE 008888
 BOOK 1995 PAGE 008231

LOT 15 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 TENTH INSTALLMENT
 155 VALLEY CLUB DRIVE
 BOZEMAN CALEB B & DENISE
 BOOK 2016 PAGE 007785

LOT 13 BLOCK 25
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3417 RODNEY PARHAM
 THROWER RUFUS JR & SARA
 BOOK 2017 PAGE 059354
 BOOK 1987 PAGE 009448

LOT 14 BLOCK 25
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3417 RODNEY PARHAM
 THROWER RUFUS JR & SARA
 BOOK 2017 PAGE 059354
 BOOK 1987 PAGE 009448

LOT 13 BLOCK 25
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3417 RODNEY PARHAM
 THROWER RUFUS JR & SARA
 BOOK 2017 PAGE 059354
 BOOK 1987 PAGE 009448

LOT 14 BLOCK 25
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3417 RODNEY PARHAM
 THROWER RUFUS JR & SARA
 BOOK 2017 PAGE 059354
 BOOK 1987 PAGE 009448

LOT 15 BLOCK 25
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3417 RODNEY PARHAM
 THROWER RUFUS JR & SARA
 BOOK 2017 PAGE 059354
 BOOK 1987 PAGE 009448

LOT 16 BLOCK 25
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3417 RODNEY PARHAM
 THROWER RUFUS JR & SARA
 BOOK 2017 PAGE 059354
 BOOK 1987 PAGE 009448

LOT 17 BLOCK 25
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3417 RODNEY PARHAM
 THROWER RUFUS JR & SARA
 BOOK 2017 PAGE 059354
 BOOK 1987 PAGE 009448

LOT 18 BLOCK 25
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3417 RODNEY PARHAM
 THROWER RUFUS JR & SARA
 BOOK 2017 PAGE 059354
 BOOK 1987 PAGE 009448

LOT 19 BLOCK 25
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3417 RODNEY PARHAM
 THROWER RUFUS JR & SARA
 BOOK 2017 PAGE 059354
 BOOK 1987 PAGE 009448

LOT 20 BLOCK 25
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3417 RODNEY PARHAM
 THROWER RUFUS JR & SARA
 BOOK 2017 PAGE 059354
 BOOK 1987 PAGE 009448


CONTROL DATA		
Point #	Northing	Easting
10	162109.6830	1191306.9940
11	164720.4780	1191648.2490
12	164249.0210	1191636.5750
13	163777.7790	1191589.1020
14	163478.1330	1191576.7340
15	163015.7080	1191606.5900
16	162187.4300	1191601.1060
17	161664.7470	1191570.6760
18	161257.4110	1191557.9740
19	160750.4560	1191471.0070
20	160539.1970	1191390.8710
21	162544.7350	1191608.9180
22	162613.2270	1191548.2250
23	162845.9990	1191611.6720
24	162897.3770	1191564.5670
25	163408.2470	1191568.1920

CONTROL DATA		
Point #	Northing	Easting
26	163024.7050	1191655.7350
27	164051.6180	1191593.3590
28	163206.9250	1191661.4080
29	164440.0310	1191606.9830
30	163385.2920	1191658.7100
31	164794.5580	1191602.1730
32	163610.6070	1191639.9810
34	163903.6630	1191645.3890
36	164020.5900	1191713.4520
38	164314.7940	1191731.7670
40	164509.6080	1191650.1550
42	164645.9380	1191666.6390
44	164761.9720	1191751.6780
50	161921.1660	1191584.0860
51	161733.8910	1191458.1530

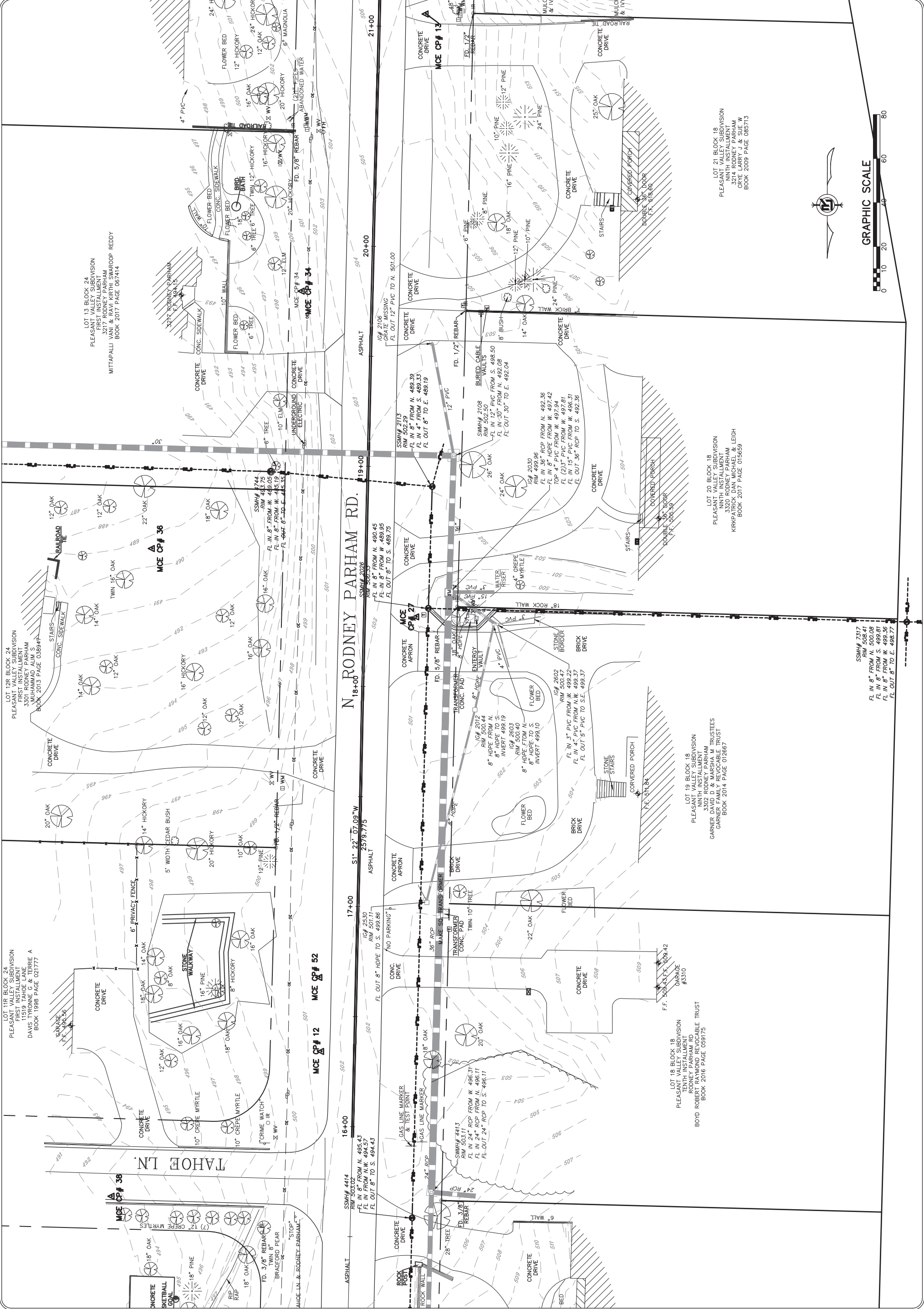
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
 TOPOGRAPHIC SURVEY

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



DRAWN BY	JDM
DESIGNED	NA
CHECKED	KLS
DATE	2-12-2016
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C06

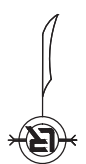


LOT 21 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 NINTH INSTALLMENT
 3214 RODNEY PARHAM
 CRYE LARRY J & SUE W
 BOOK 2009 PAGE 085713

LOT 20 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 NINTH INSTALLMENT
 3320 RODNEY PARHAM
 KIRKPATRICK DAN MICHAEL & LEIGH
 BOOK 2017 PAGE 015659


LOT 19 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 NINTH INSTALLMENT
 3320 RODNEY PARHAM
 GARNER DAVID D & MARSHA M TRUSTEES
 GARNER FAMILY REVOCABLE TRUST
 BOOK 2014 PAGE 012667

LOT 18 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 TENTH INSTALLMENT
 3214 RODNEY PARHAM
 BOYD ROBERT RAYMOND REVOCABLE TRUST
 BOOK 2016 PAGE 059175



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
 TOPOGRAPHIC SURVEY


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

DRAWN BY
 JDM
 DESIGNED
 NA
 CHECKED
 KLS
 DATE
 2-12-2016
 SCALE
 1"=20'
 PROJECT NO.
 04-17-ST-202
 SHEET NO.
C07

LOT 17 BLOCK 24
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3022 RODNEY PARHAM
 MONROE, DEBRA & PETER
 BOOK 2016 PAGE 019489

LOT 16 BLOCK 24
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3115 RODNEY PARHAM
 HILT, DAVID C
 BOOK 2016 PAGE 044939

LOT 15 BLOCK 24
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3119 RODNEY PARHAM
 CONEY, ERMA J
 BOOK 1999 PAGE 063841

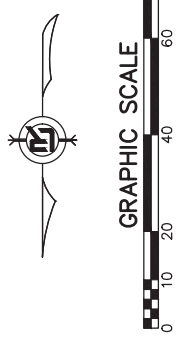
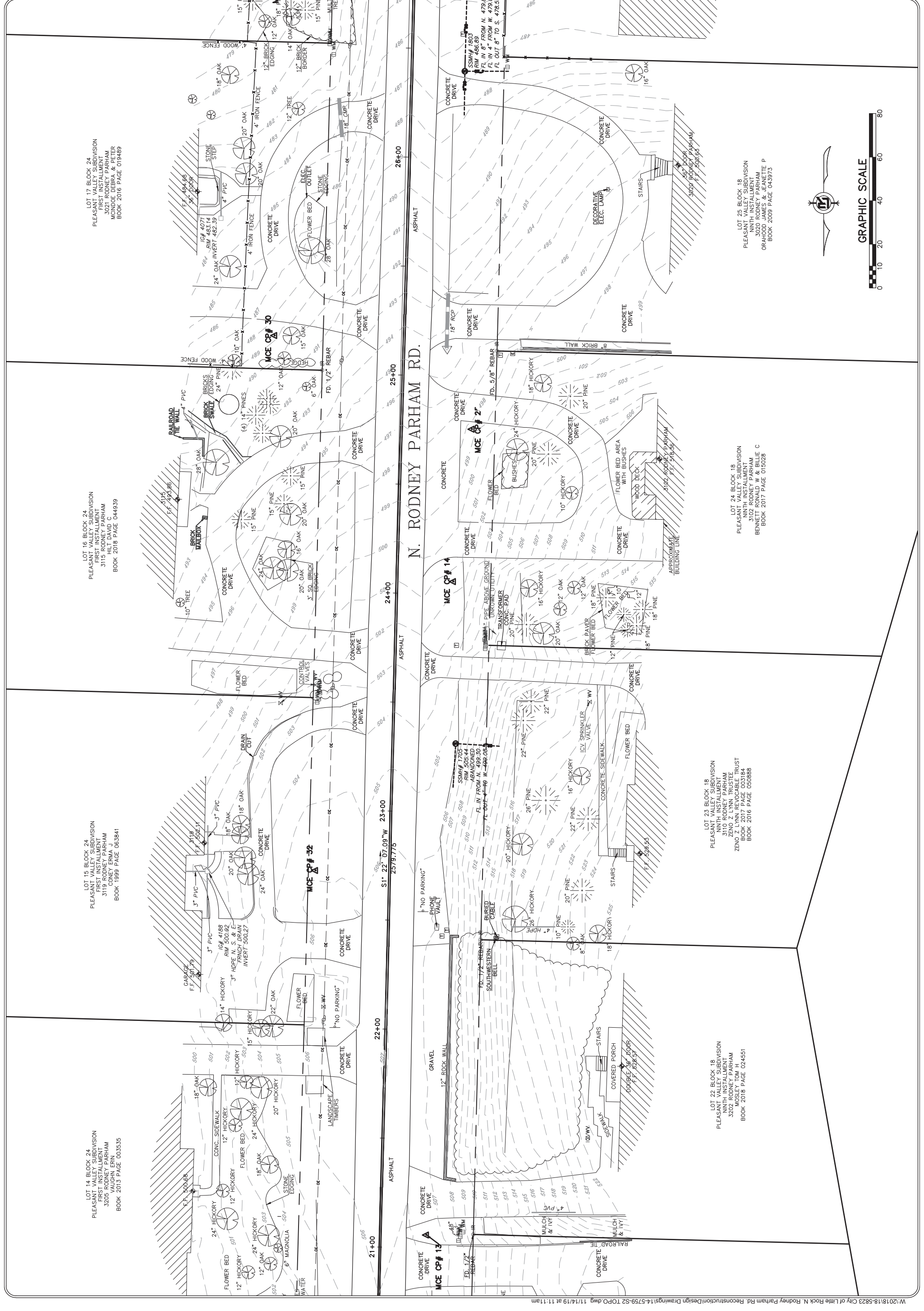
LOT 14 BLOCK 24
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 3202 RODNEY PARHAM
 VAUGHN, ERIN
 BOOK 2013 PAGE 003535

LOT 24 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 NINTH INSTALLMENT
 3102 RODNEY PARHAM
 BENNETT, JAMES & JEANETTE P
 BOOK 2017 PAGE 015028

LOT 23 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 NINTH INSTALLMENT
 3110 RODNEY PARHAM
 ZENO, Z LYNN TRUSTEE
 BOOK 2017 PAGE 003884
 BOOK 2016 PAGE 005688


LOT 22 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 NINTH INSTALLMENT
 3202 RODNEY PARHAM
 MOSLEY, TOM H
 BOOK 2018 PAGE 024551

LOT 25 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 NINTH INSTALLMENT
 3020 RODNEY PARHAM
 ORAHOOD, JAMES & JEANETTE P
 BOOK 2009 PAGE 043973

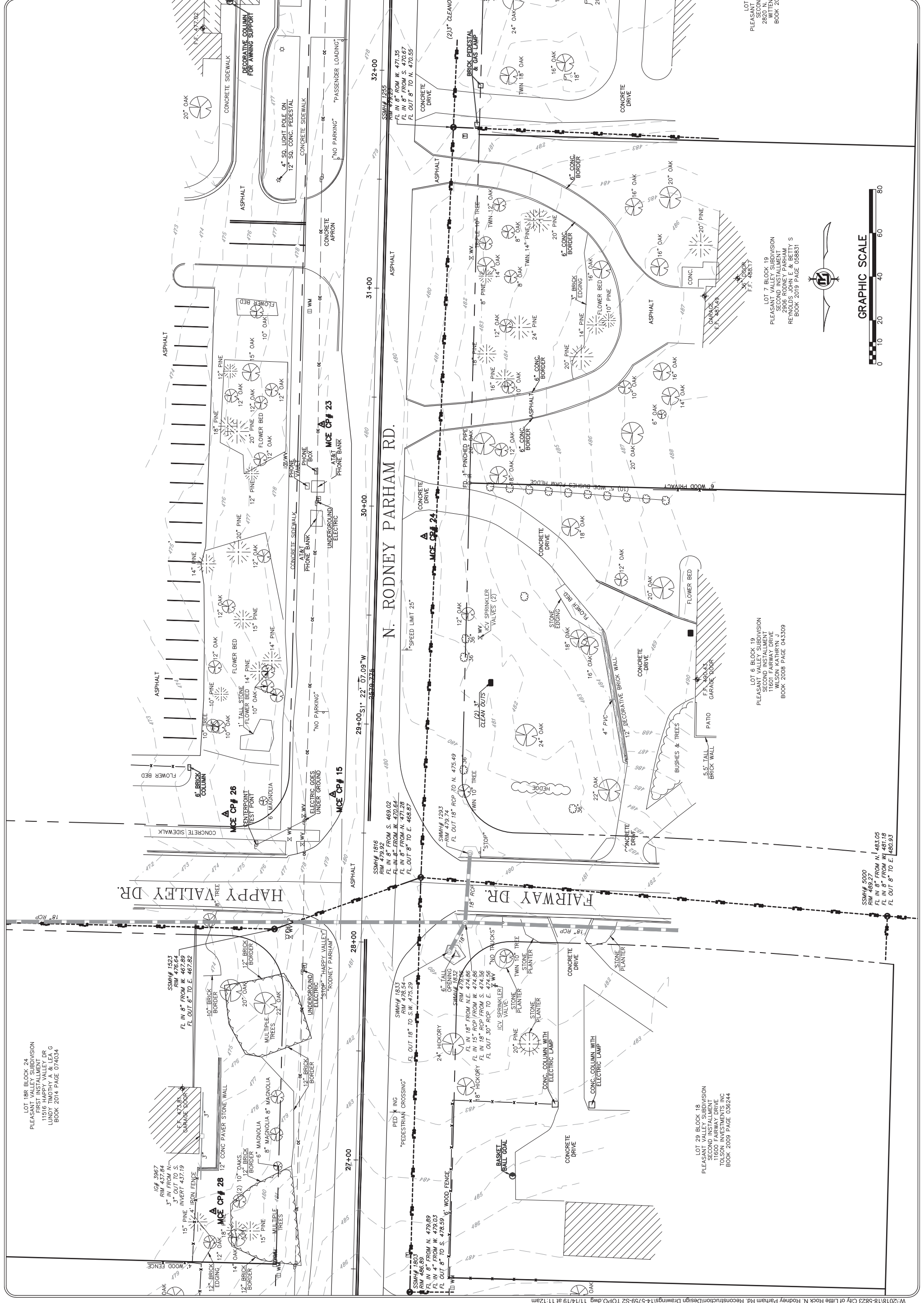


REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
 TOPOGRAPHIC SURVEY


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

DRAWN BY	JDM
DESIGNED	NA
CHECKED	KLS
DATE	2-12-2016
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C08

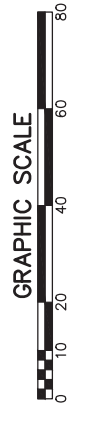


LOT 18B BLOCK 24
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 11516 HAPPY VALLEY DR
 LUNDY TIMOTHY A & LEA G
 BOOK 2014 PAGE 074034

LOT 29 BLOCK 18
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 11600 FAIRWAY DRIVE
 TOLSON INVESTMENTS INC
 BOOK 2009 PAGE 036244

LOT 6 BLOCK 19
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 11601 FAIRWAY DRIVE
 WILSON KATHRYN J
 BOOK 2008 PAGE 043309

LOT 7 BLOCK 19
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2906 RODNEY PARHAM
 REYNOLDS JOHN E & BETTY S
 BOOK 2019 PAGE 058831

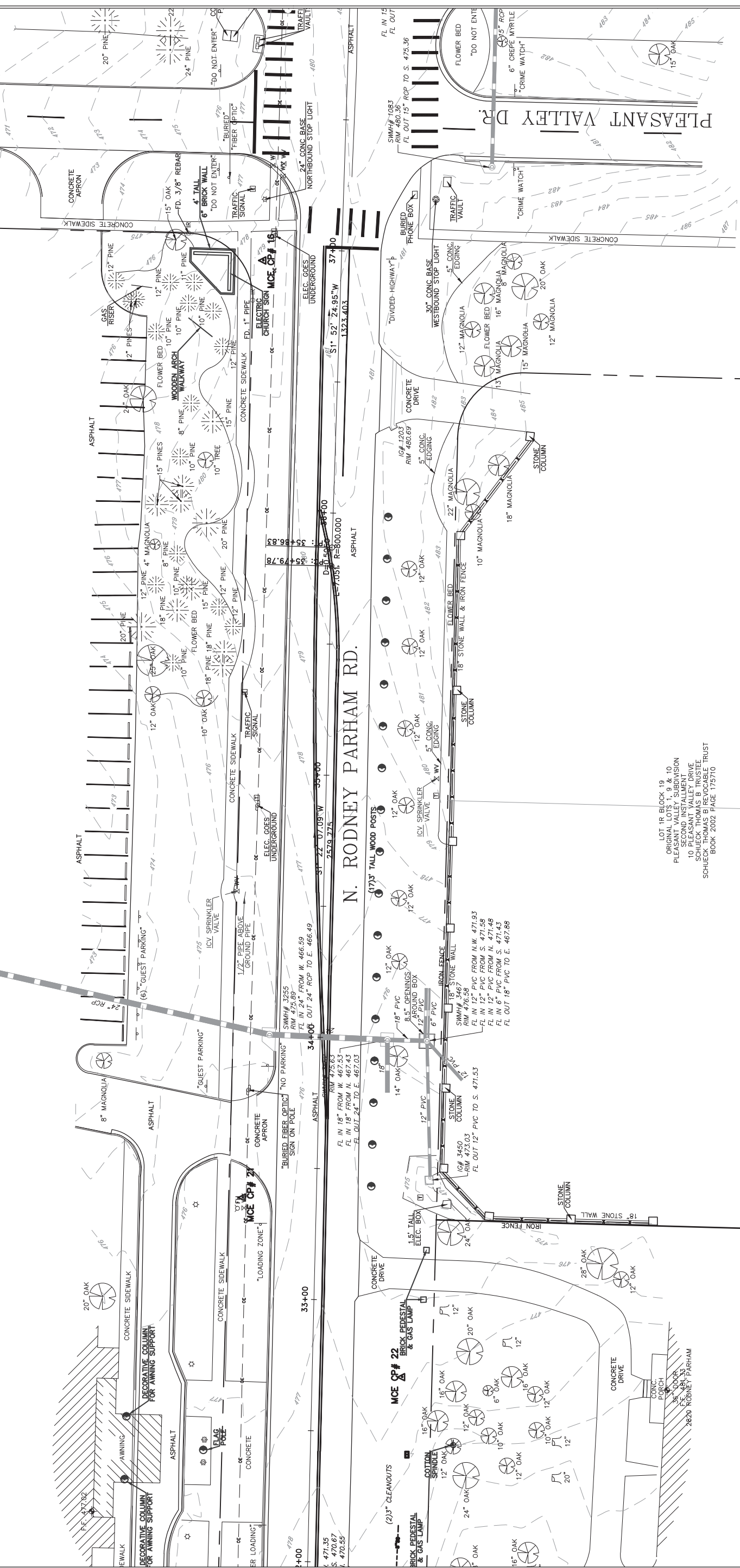


LOT 1R BLOCK 23
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 RODNEY PARHAM RD
 FIRST BAPTIST CHURCH OF LR
 BOOK 2001 PAGE 019085

IG# 7326
 RIM HIGH SIDE 464.55
 RIM LOW SIDE 462.92
 FL IN 36" FROM W. 455.25
 FL OUT 36" TO E. 453.52

LOT 8 BLOCK 19
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2620 N. RODNEY PARHAM
 WITTENBERG JUSTIN
 BOOK 2016 PAGE 031877

LOT 1R BLOCK 19
 ORIGINAL LOTS 1, 9 & 10
 PLEASANT VALLEY SUBDIVISION
 PLEASANT VALLEY DRIVE
 10 PLEASANT VALLEY DRIVE
 SCHUECK THOMAS B TRUSTEE
 SCHUECK THOMAS B REVOCABLE TRUST
 BOOK 2002 PAGE 175710



CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 TOPOGRAPHIC SURVEY

REVISIONS	DATE


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

DRAWN BY	JDM
DESIGNED	NA
CHECKED	KLS
DATE	2-12-2016
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C09

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
 TOPOGRAPHIC SURVEY

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



DRAWN BY	NA
DESIGNED	NA
CHECKED	NA
KLS	NA
DATE	2-12-2016
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C11

LOT 4 BLOCK 22
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 2401 RODNEY PARHAM
 COLLIER KREMER & ASSOCIATES
 BOOK 2008 PAGE 002825

LOT 5 BLOCK 22
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 2415 RODNEY PARHAM
 SUN KIN-YUEH
 BOOK 2009 PAGE 052607

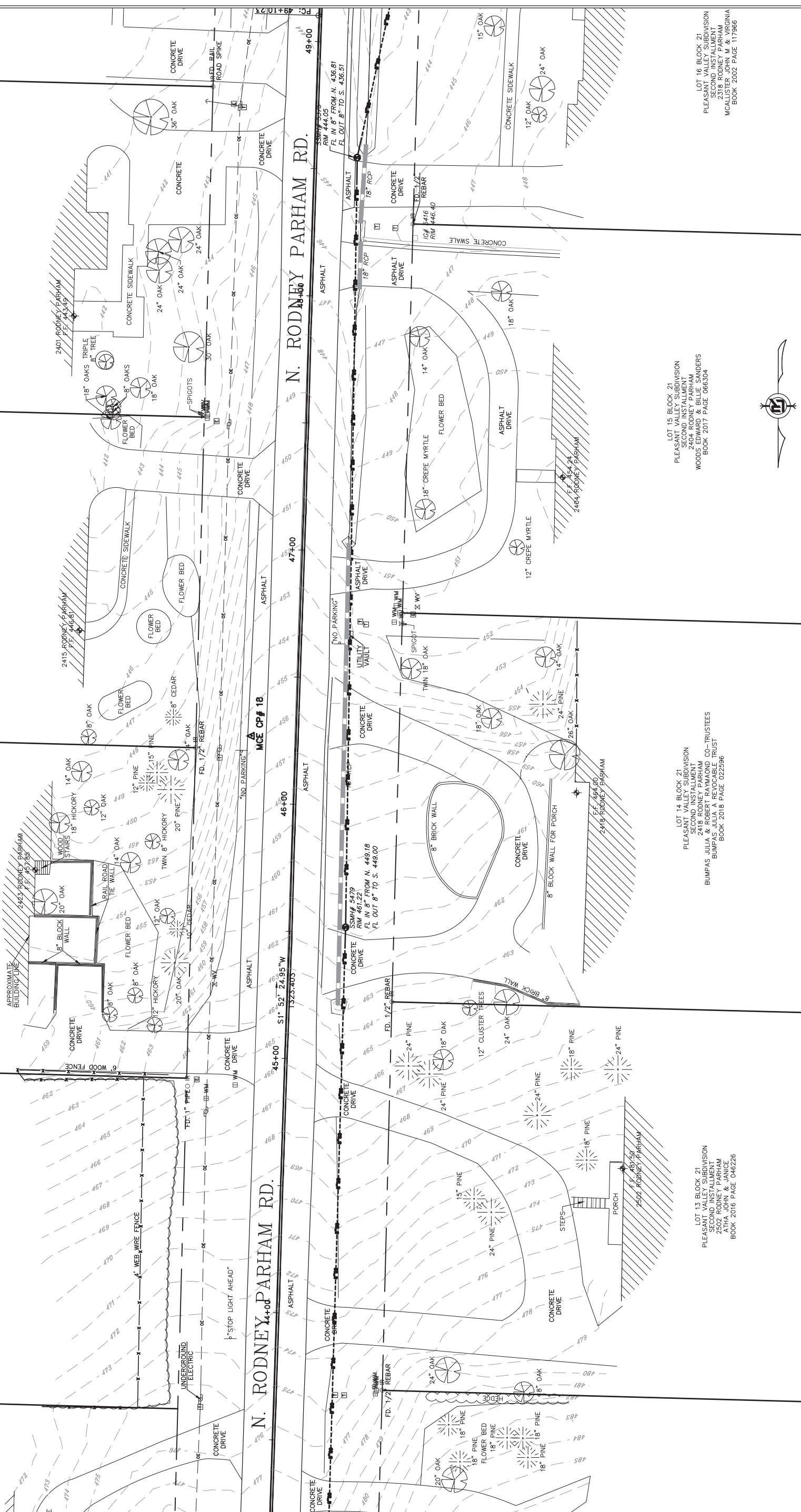
LOT 6 BLOCK 22
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 2423 RODNEY PARHAM
 WOLF ROBERT H. & JUDY P. TRUSTEES
 WOLF ROBERT H. & JUDY P. JOINT TRUST
 BOOK 2013 PAGE 012801

LOT 7 BLOCK 22
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 2510 HIDDEN VALLEY DR
 GORDON WALTER CLANCY & JEAN THOMAS
 BOOK 2013 PAGE 034723

LOT 15 BLOCK 21
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2404 RODNEY PARHAM
 WOODS EDWARD & BILLIE SANDERS
 BOOK 2017 PAGE 066304

LOT 14 BLOCK 21
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2406 RODNEY PARHAM
 BUMPAS JULIA & ROBERT RAYMOND CO-TRUSTEES
 BUMPAS JULIA A REVOCABLE TRUST
 BOOK 2018 PAGE 022596

LOT 13 BLOCK 21
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2502 RODNEY PARHAM
 ATHA ROHN & LANCE
 BOOK 2016 PAGE 046226



REVISIONS	DATE

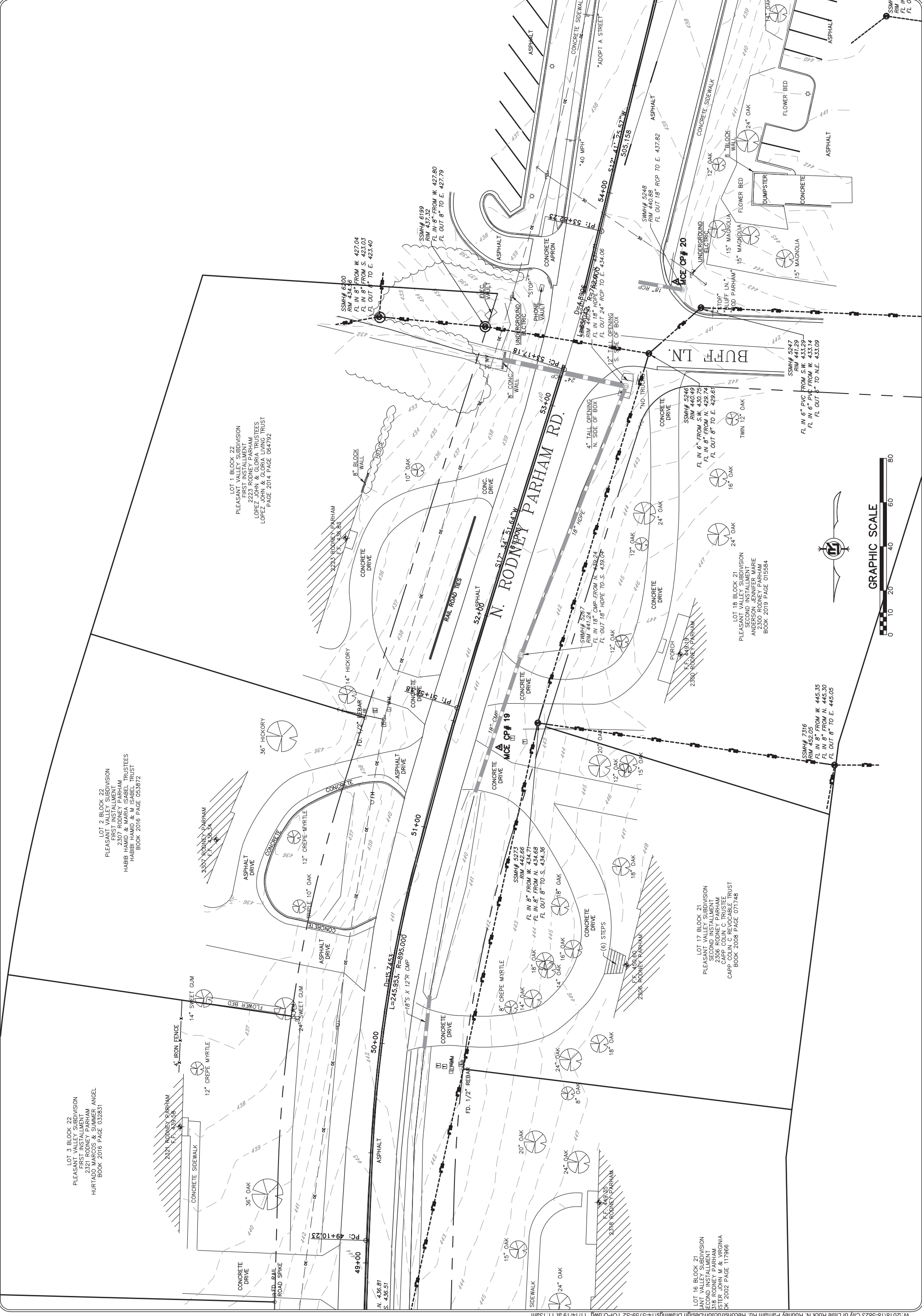
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
 TOPOGRAPHIC SURVEY



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




DRAWN BY	JDM
DESIGNED	NA
CHECKED	KLS
DATE	2-12-2016
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C12



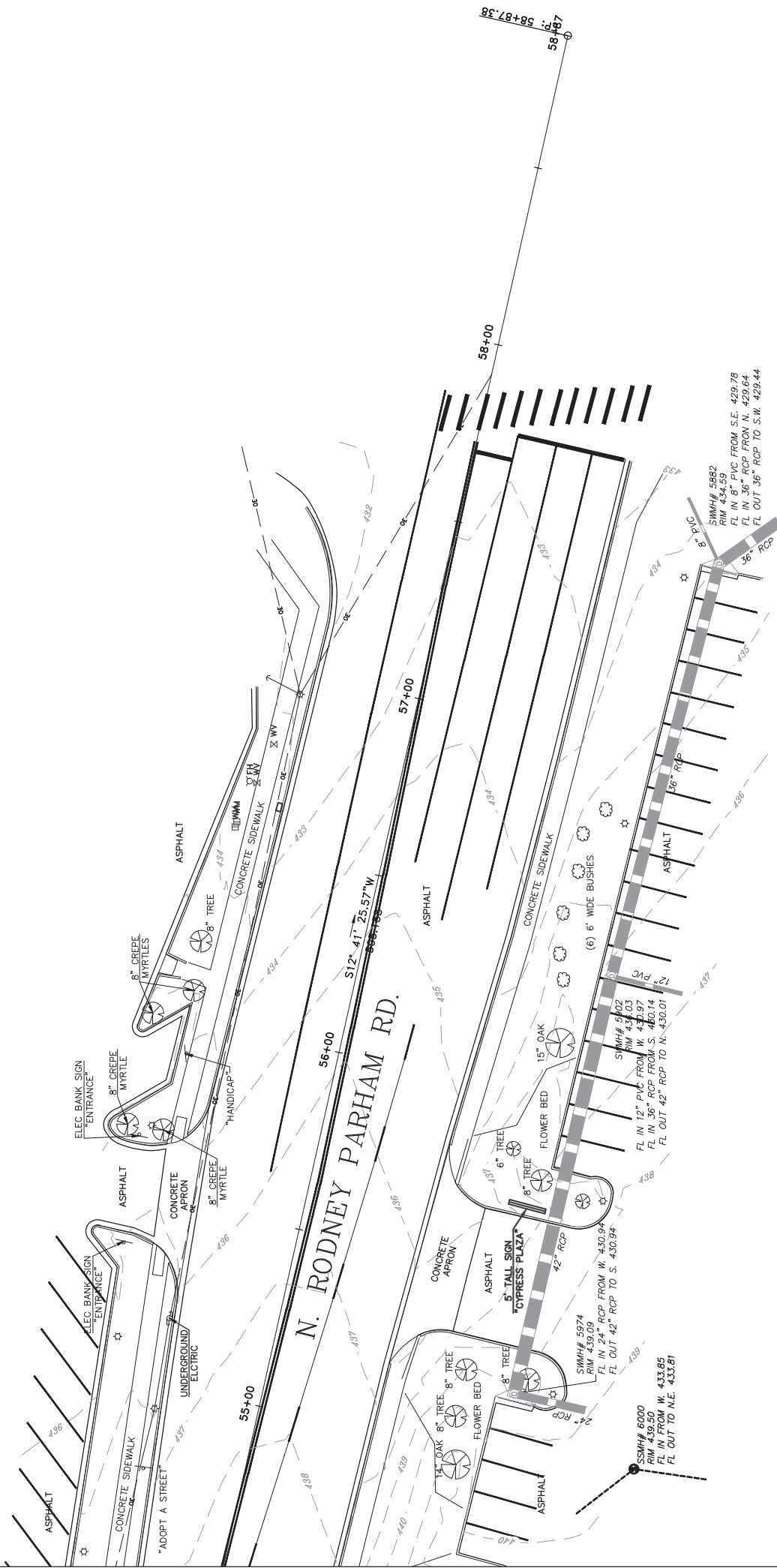
GRAPHIC SCALE

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
 TOPOGRAPHIC SURVEY


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

DRAWN BY	JDM
DESIGNED	NA
CHECKED	KLS
DATE	2-12-2016
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C13



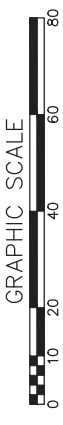
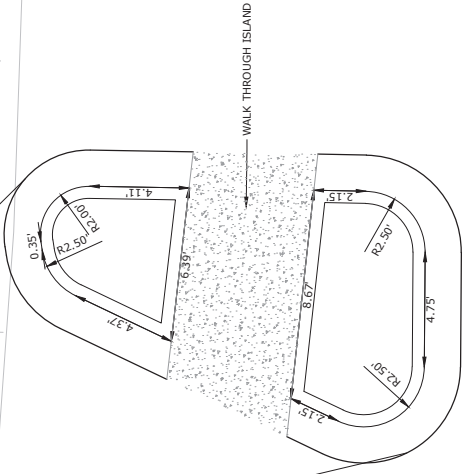
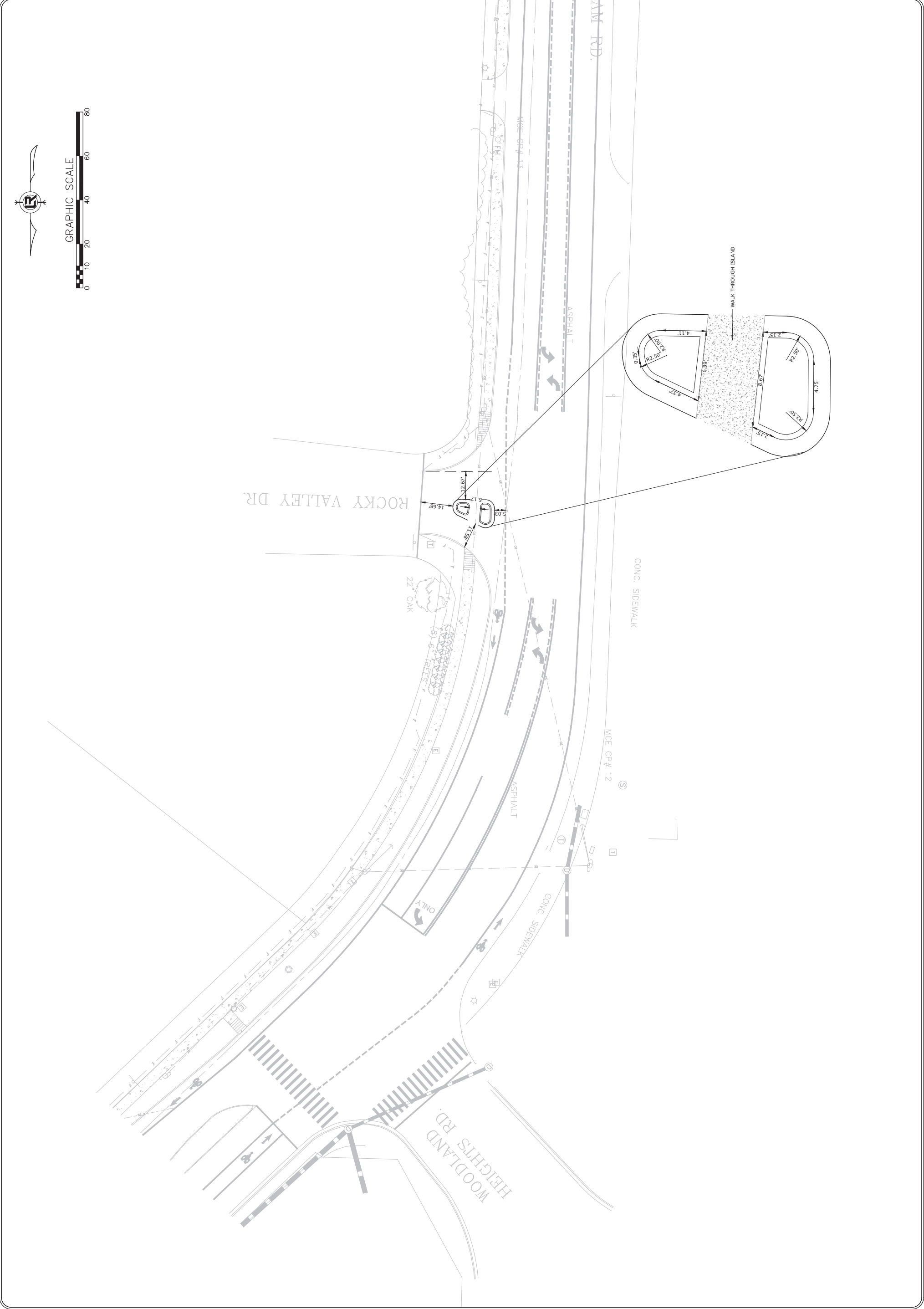
REVISIONS	DATE

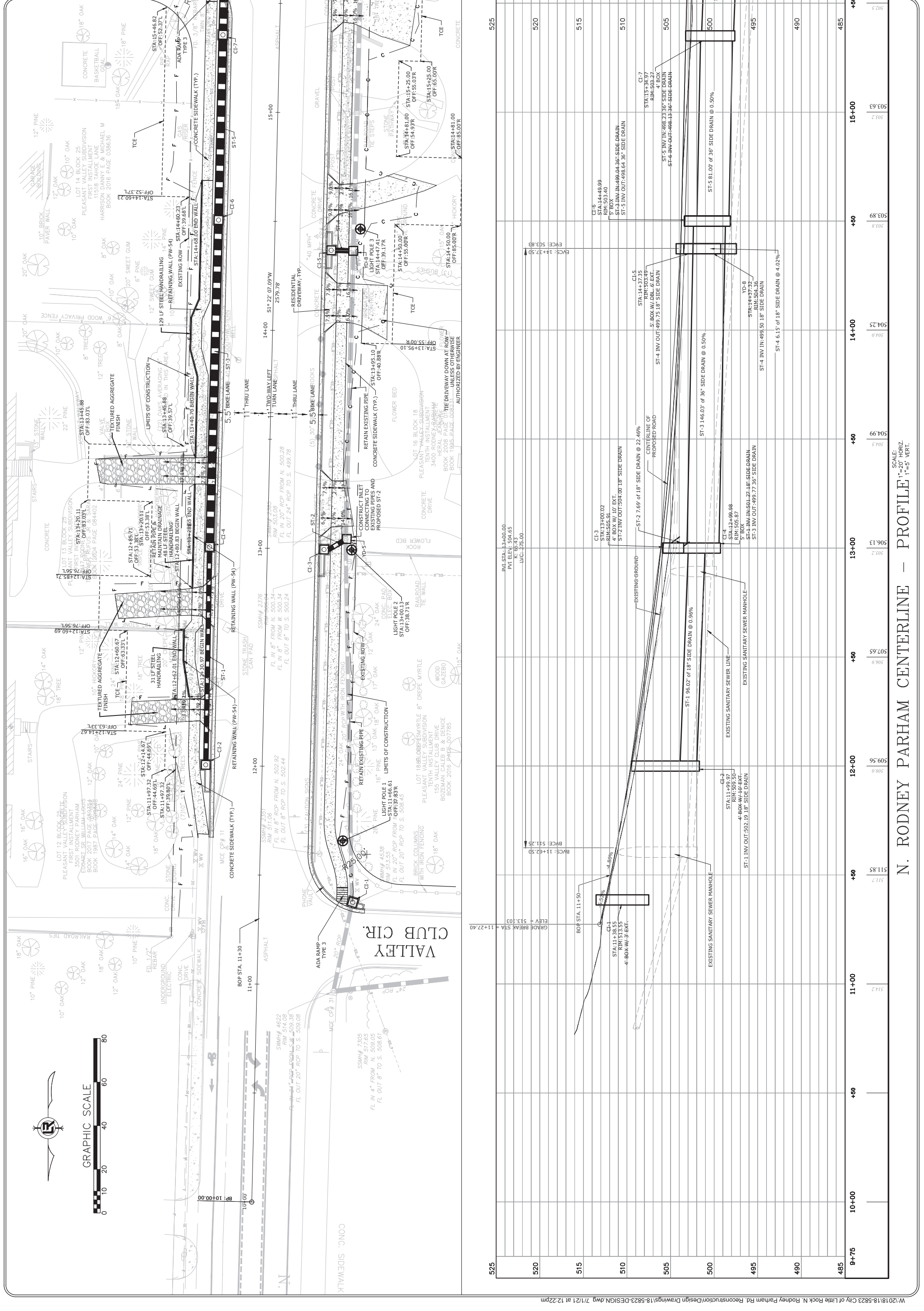
CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 PLAN ROCKY VALLEY DRIVE

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



DRAWN BY	JAM
DESIGNED	CGS
CHECKED	MK
DATE	01/31/2020
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C14





REVISIONS

NO.	DATE	DESCRIPTION

CITY OF LITTLE ROCK, ARKANSAS

N. RODNEY PARHAM ROAD WIDENING

PLAN AND PROFILE

DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201

DRAWN BY

DESIGNED

CGS

CHECKED

MK

DATE

04/30/2021

SCALE

1"=20'

PROJECT NO.


04-17-ST-202

SHEET NO.

C15

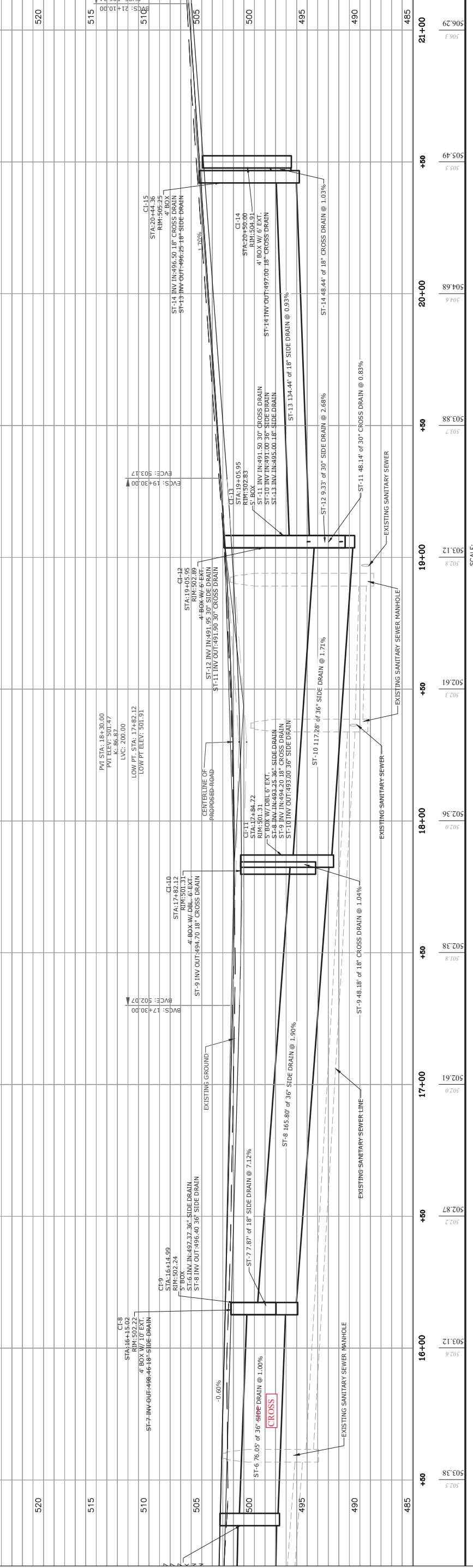
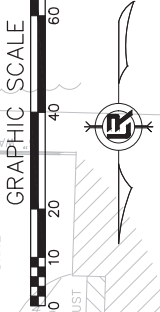
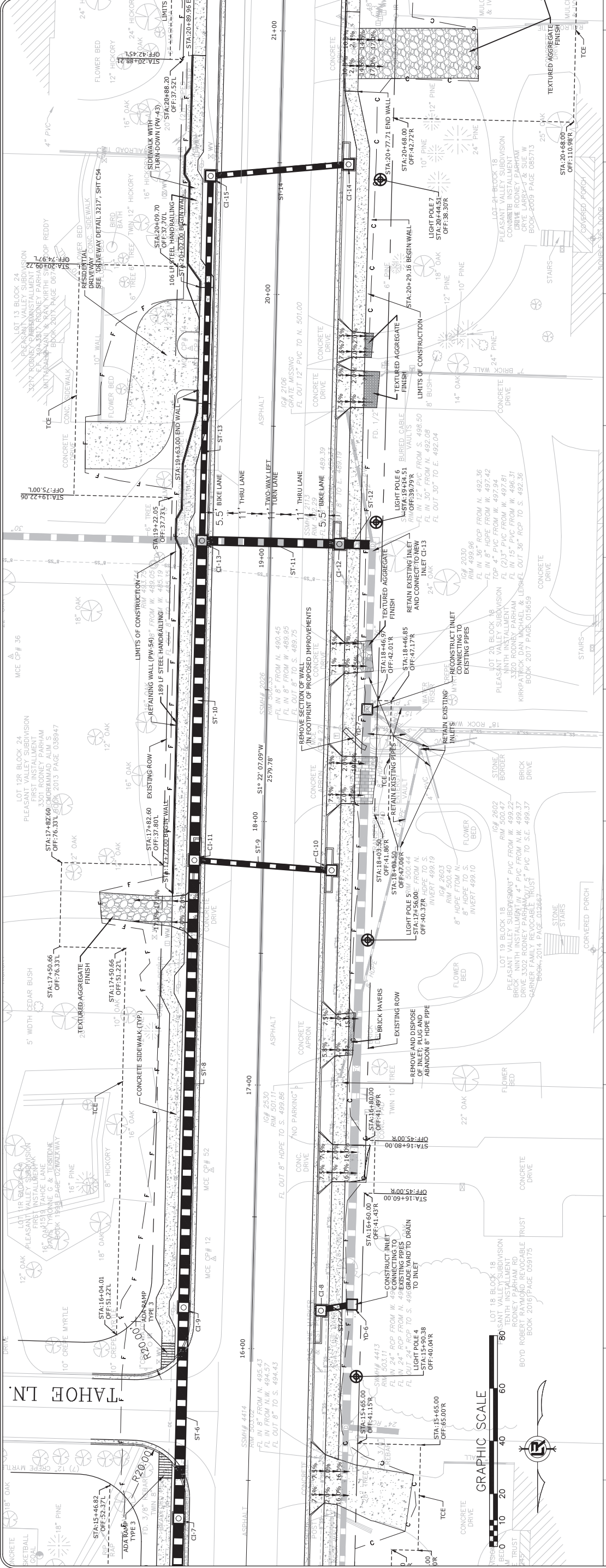
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
PLAN AND PROFILE


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



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C16




N. RODNEY PARHAM CENTERLINE - PROFILE - 1"=20' HORZ. 1"=5' VERT.

TAHOE LN.

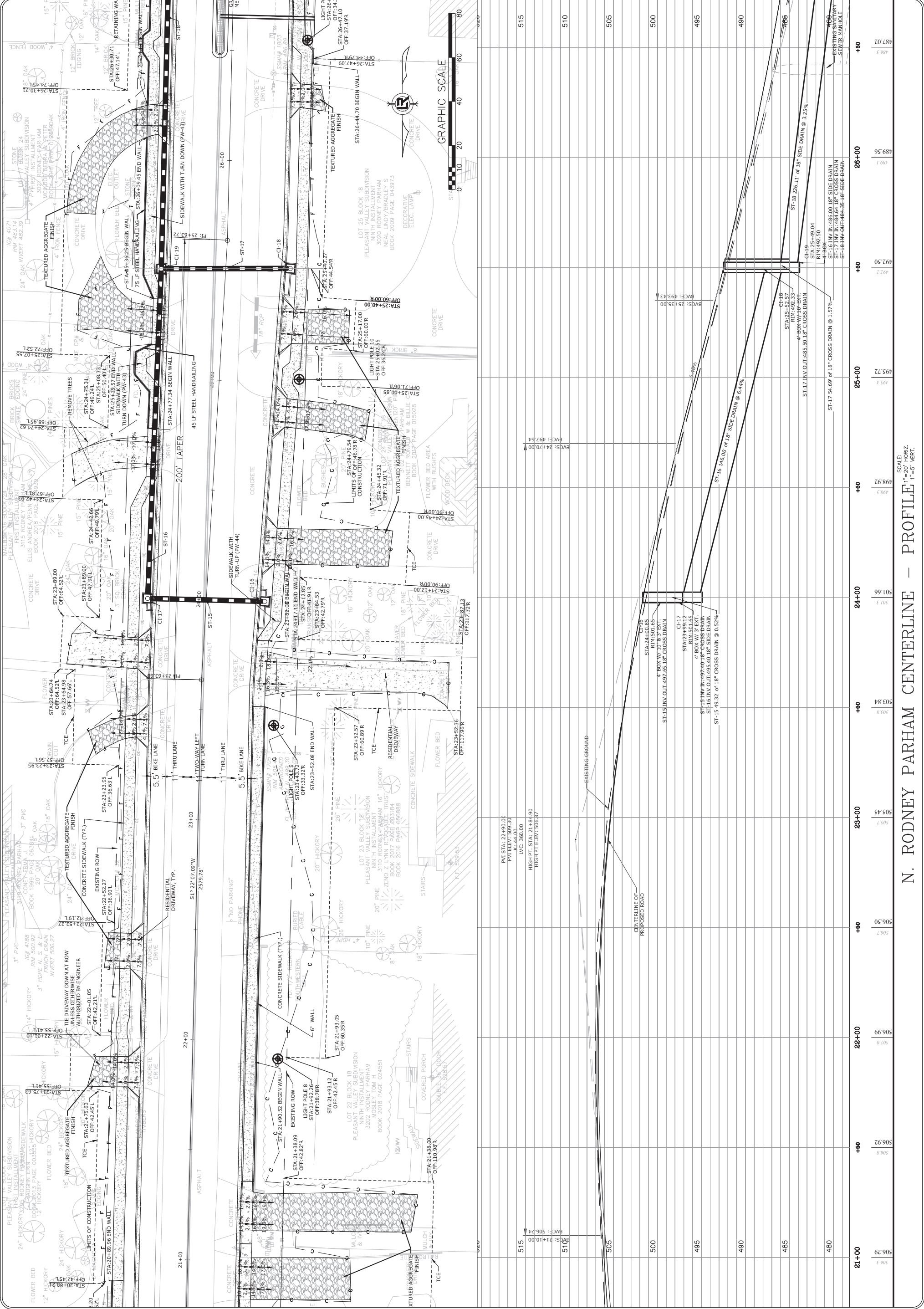
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
PLAN AND PROFILE


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



DRAWN BY	
DESIGNED	
CGS	
CHECKED	
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C17



N. RODNEY PARHAM CENTERLINE - PROFILE - 1"=20' HORIZ. 1"=5' VERT.

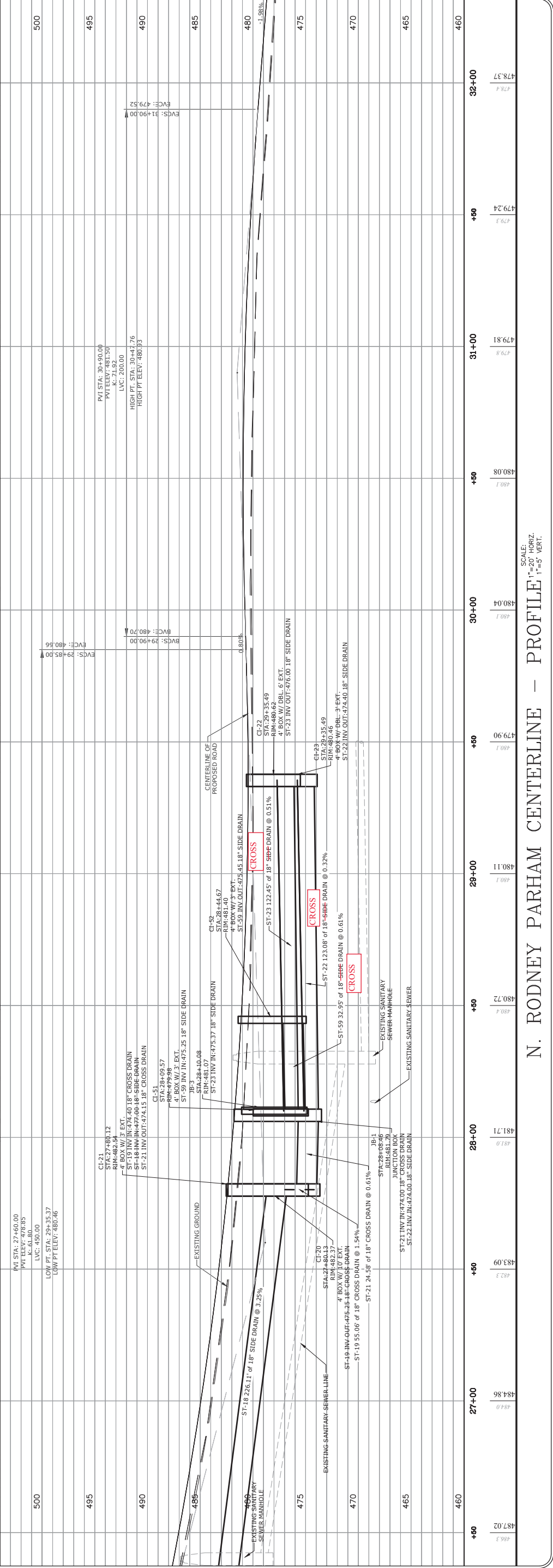
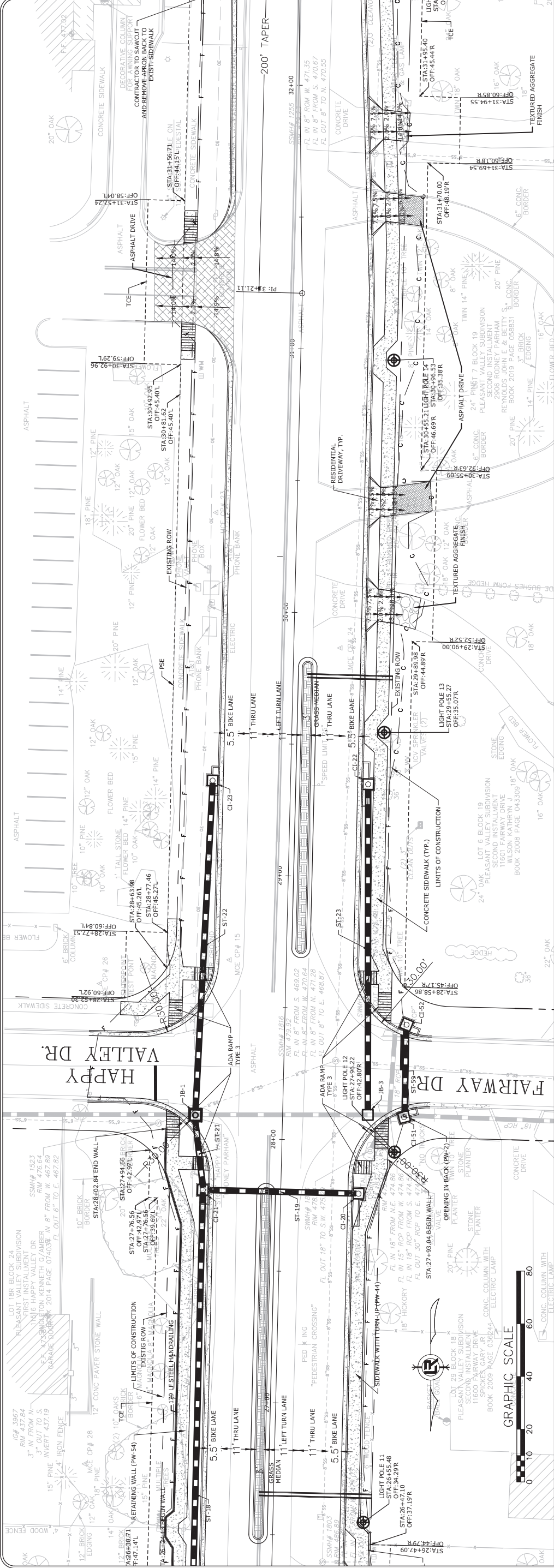
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
PLAN AND PROFILE

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

STATE OF ARKANSAS
AR 17435
Gregory C. Phipps
LICENSED PROFESSIONAL ENGINEER

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C18




N. RODNEY PARHAM CENTERLINE – PROFILE 1"=20' HORIZ. 1"=5' VERT.

W:\2018\18-5823-City of Little Rock N. Rodney Parham Rd. Widening\Design\18-5823-DESIGN.dwg 7/17/21 at 12:34pm

REVISIONS	DATE

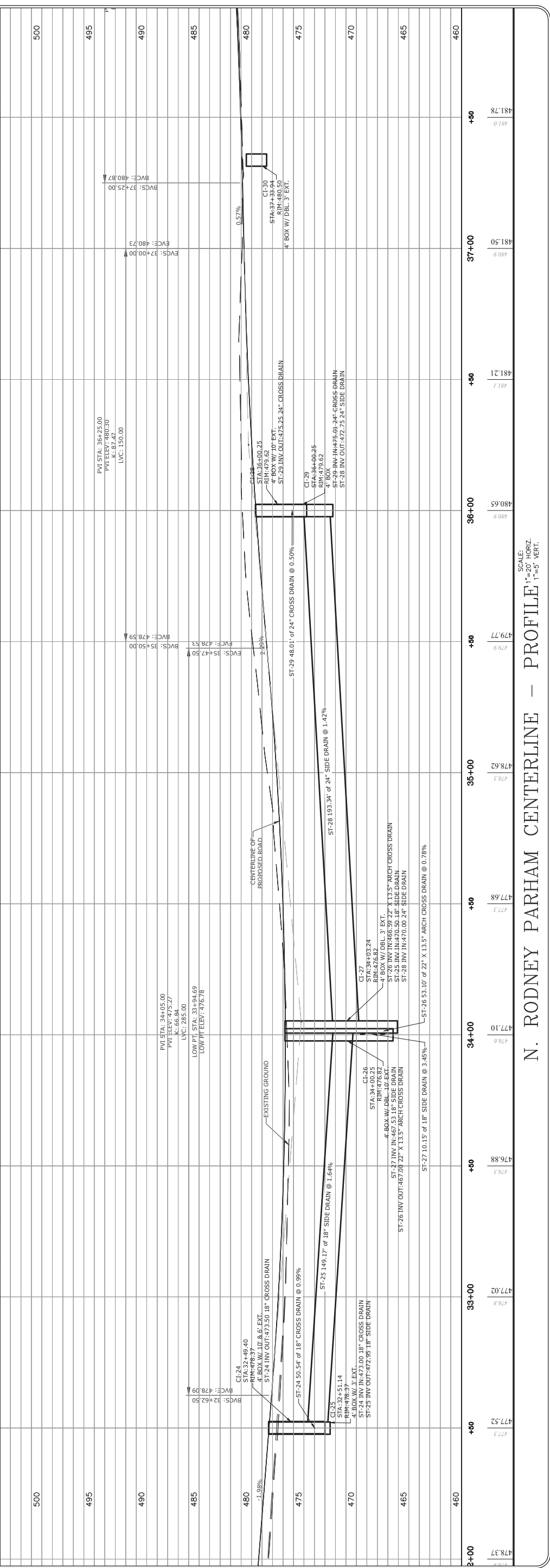
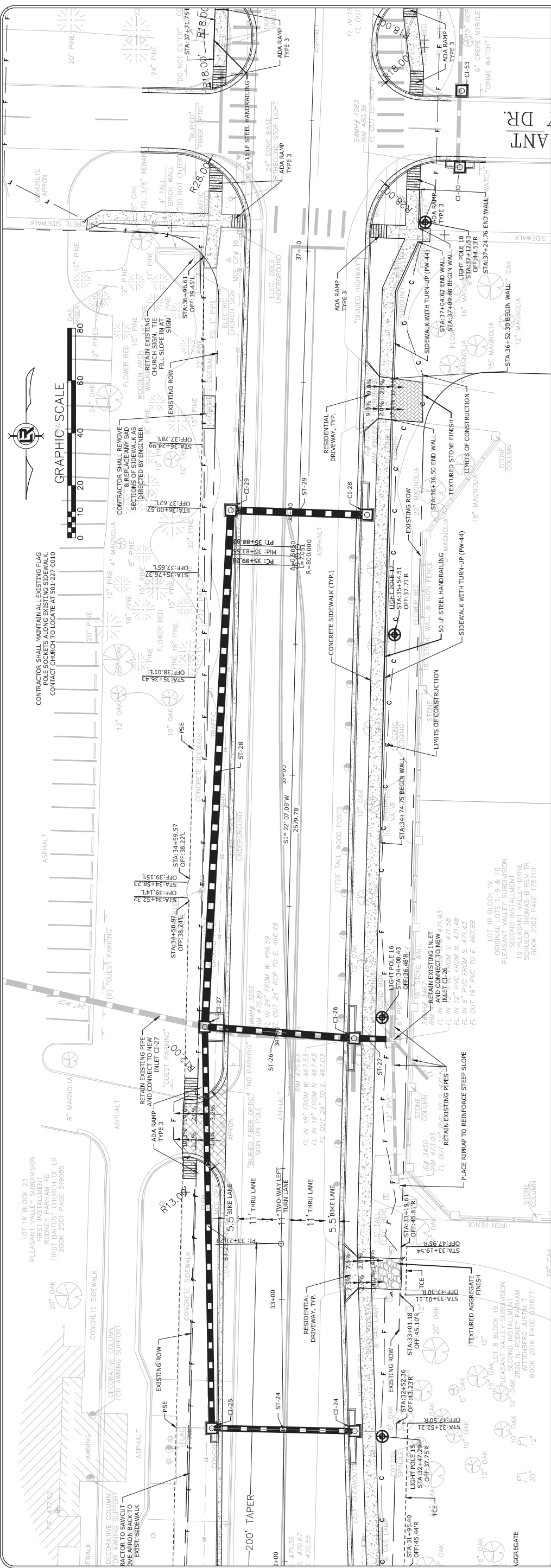
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
PLAN & PROFILE



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




DRAWN BY	
DESIGNED	
CGS	
CHECKED	
MK	
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C19



W:\2018-2023\City of Little Rock\N. Rodney Parham Rd. Reconstruction\Design\Drawings\18-5823-DESIGN.dwg 7/12/21 at 12:38pm

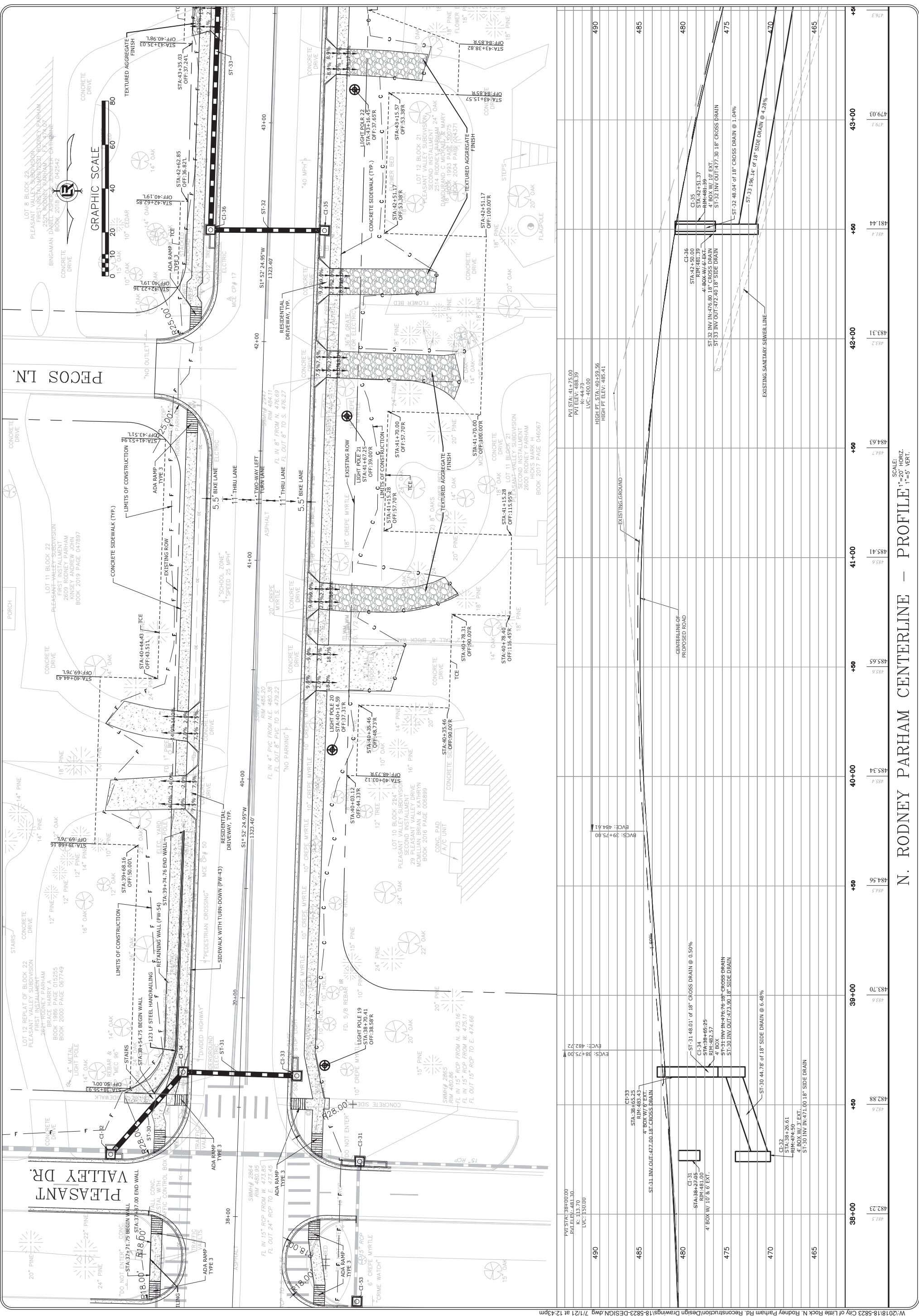
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
PLAN AND PROFILE


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




DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
MK	
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C20



N. RODNEY PARHAM CENTERLINE - PROFILE
 SCALE: 1"=20' HORZ., 1"=5' VERT.

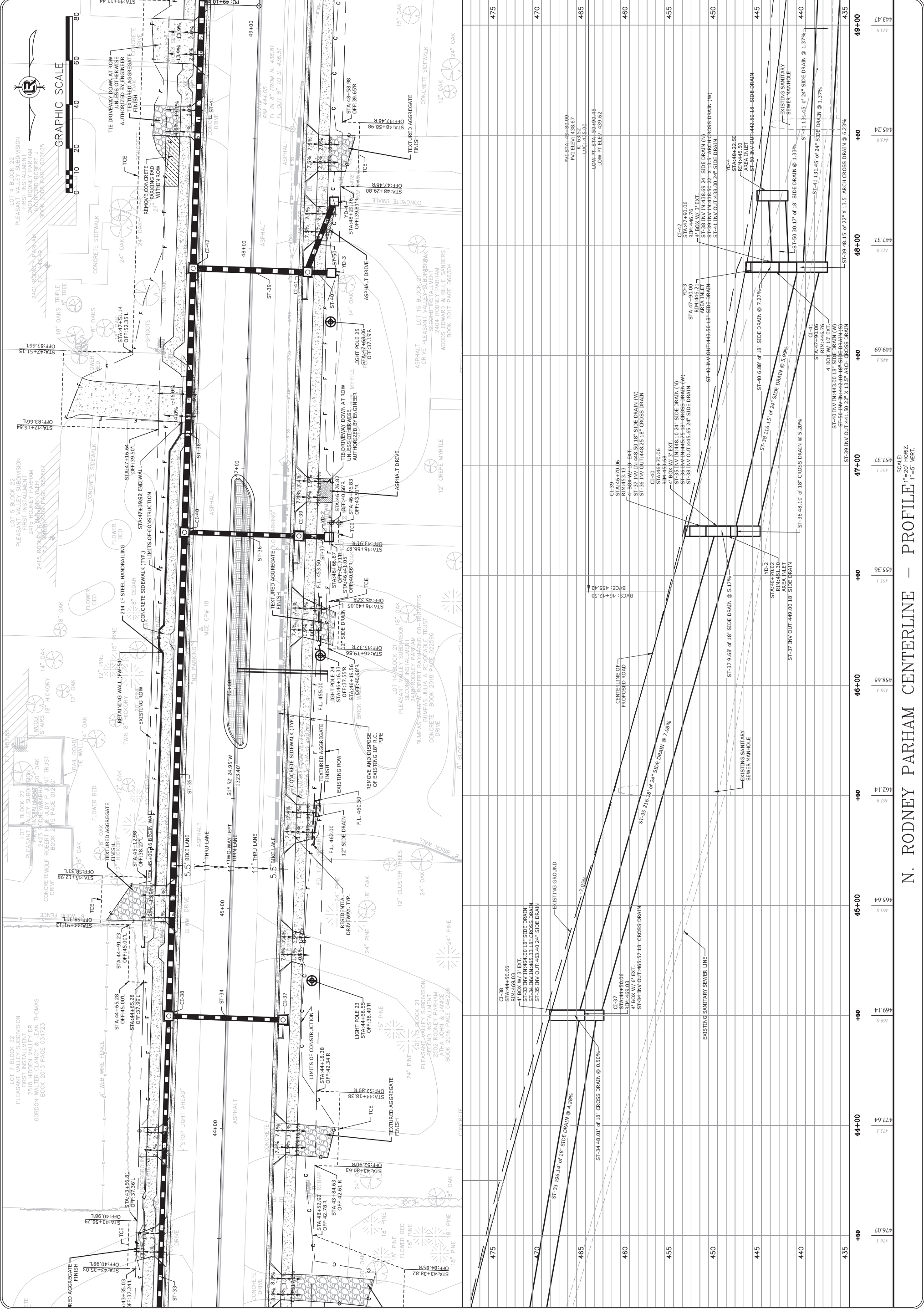
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
PLAN AND PROFILE


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



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C21




Station	Profile Elevation	Ground Elevation	Side Drain
435	443.9	443.9	ST-39 INV OUT: 441.50 22' X 13.5' ARCH CROSS DRAIN @ 6.23%
440	444.0	444.0	ST-41 131.45' of 24" SIDE DRAIN @ 1.37%
445	445.0	445.0	ST-39 INV OUT: 442.50 24" SIDE DRAIN @ 1.37%
450	446.0	446.0	ST-38 INV IN: 438.69 24" SIDE DRAIN (N)
455	447.0	447.0	ST-38 INV IN: 438.50 22' X 13.5' ARCH CROSS DRAIN (W)
460	448.0	448.0	ST-41 INV OUT: 448.25 18" CROSS DRAIN
465	449.0	449.0	ST-37 INV OUT: 448.00 18" SIDE DRAIN @ 5.17%
470	450.0	450.0	ST-37 INV OUT: 448.00 18" SIDE DRAIN @ 5.17%
475	451.0	451.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN
480	452.0	452.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN
485	453.0	453.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
490	454.0	454.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
495	455.0	455.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
500	456.0	456.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
505	457.0	457.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
510	458.0	458.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
515	459.0	459.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
520	460.0	460.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
525	461.0	461.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
530	462.0	462.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
535	463.0	463.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
540	464.0	464.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
545	465.0	465.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
550	466.0	466.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
555	467.0	467.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
560	468.0	468.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
565	469.0	469.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
570	470.0	470.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
575	471.0	471.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
580	472.0	472.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
585	473.0	473.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
590	474.0	474.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
595	475.0	475.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
600	476.0	476.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
605	477.0	477.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
610	478.0	478.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
615	479.0	479.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
620	480.0	480.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
625	481.0	481.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
630	482.0	482.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
635	483.0	483.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
640	484.0	484.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
645	485.0	485.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
650	486.0	486.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
655	487.0	487.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
660	488.0	488.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
665	489.0	489.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
670	490.0	490.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
675	491.0	491.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
680	492.0	492.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
685	493.0	493.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
690	494.0	494.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
695	495.0	495.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
700	496.0	496.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
705	497.0	497.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
710	498.0	498.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
715	499.0	499.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%
720	500.0	500.0	ST-36 INV OUT: 448.25 18" CROSS DRAIN @ 5.20%

N. RODNEY PARHAM CENTERLINE - PROFILE - 1"=20' HORZ. 1"=5' VERT.

REVISIONS	DATE

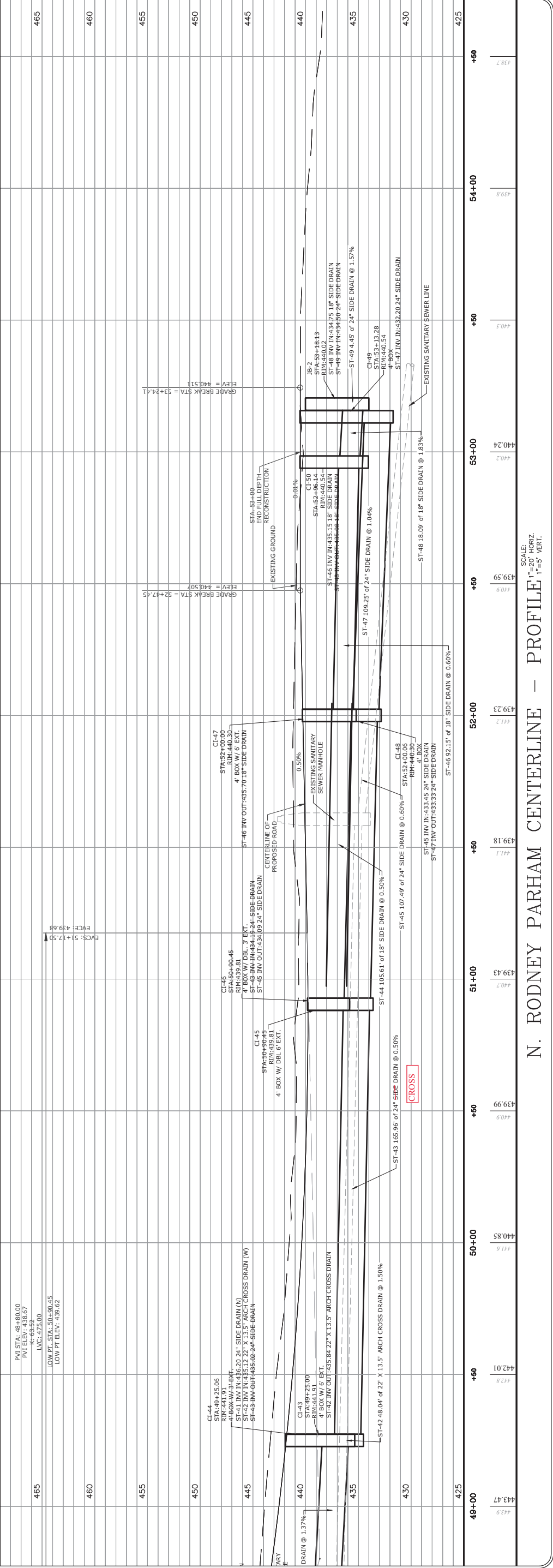
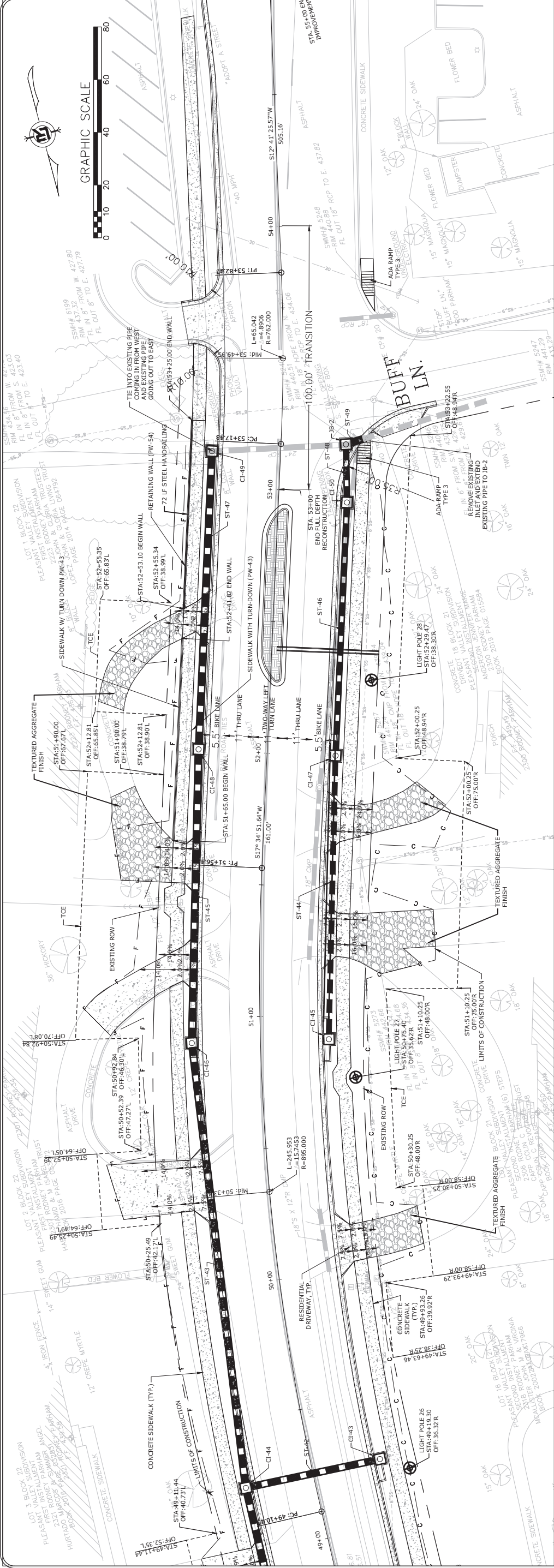
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
PLAN AND PROFILE



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



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C22



N. RODNEY PARHAM CENTERLINE - PROFILE - 1"=20' HORZ. 1"=5' VERT.

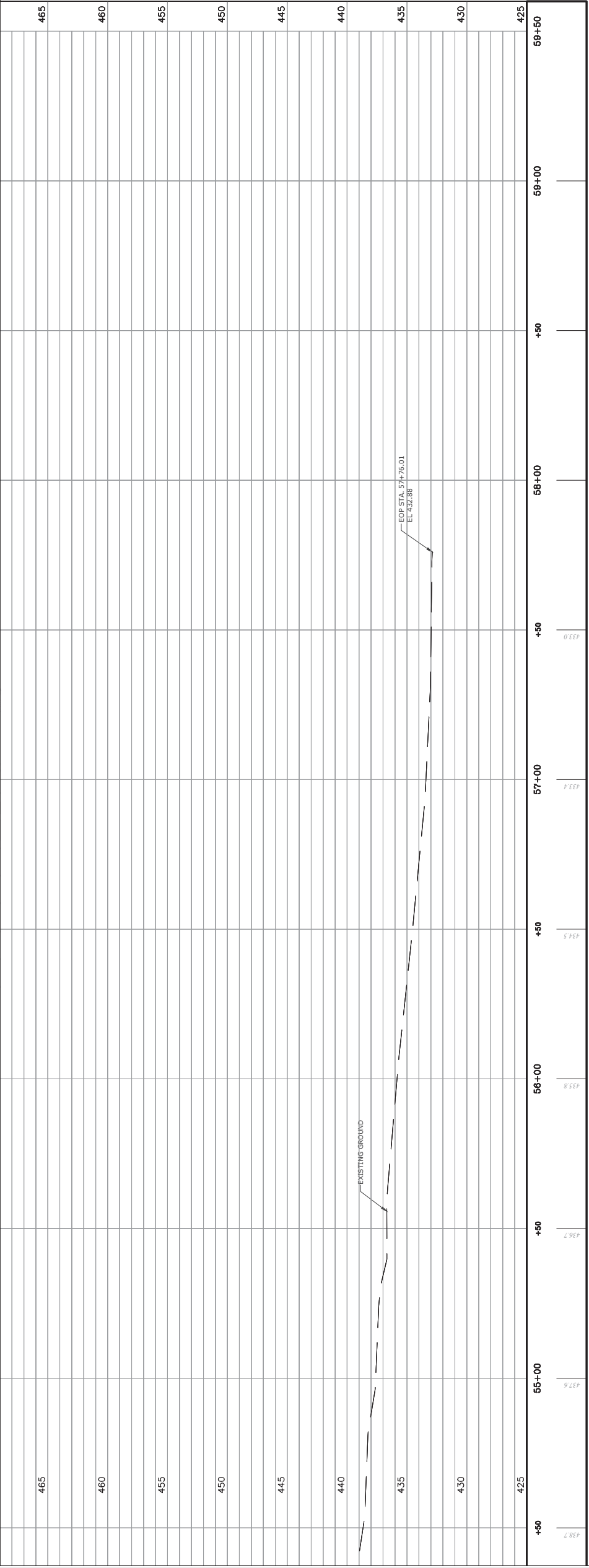
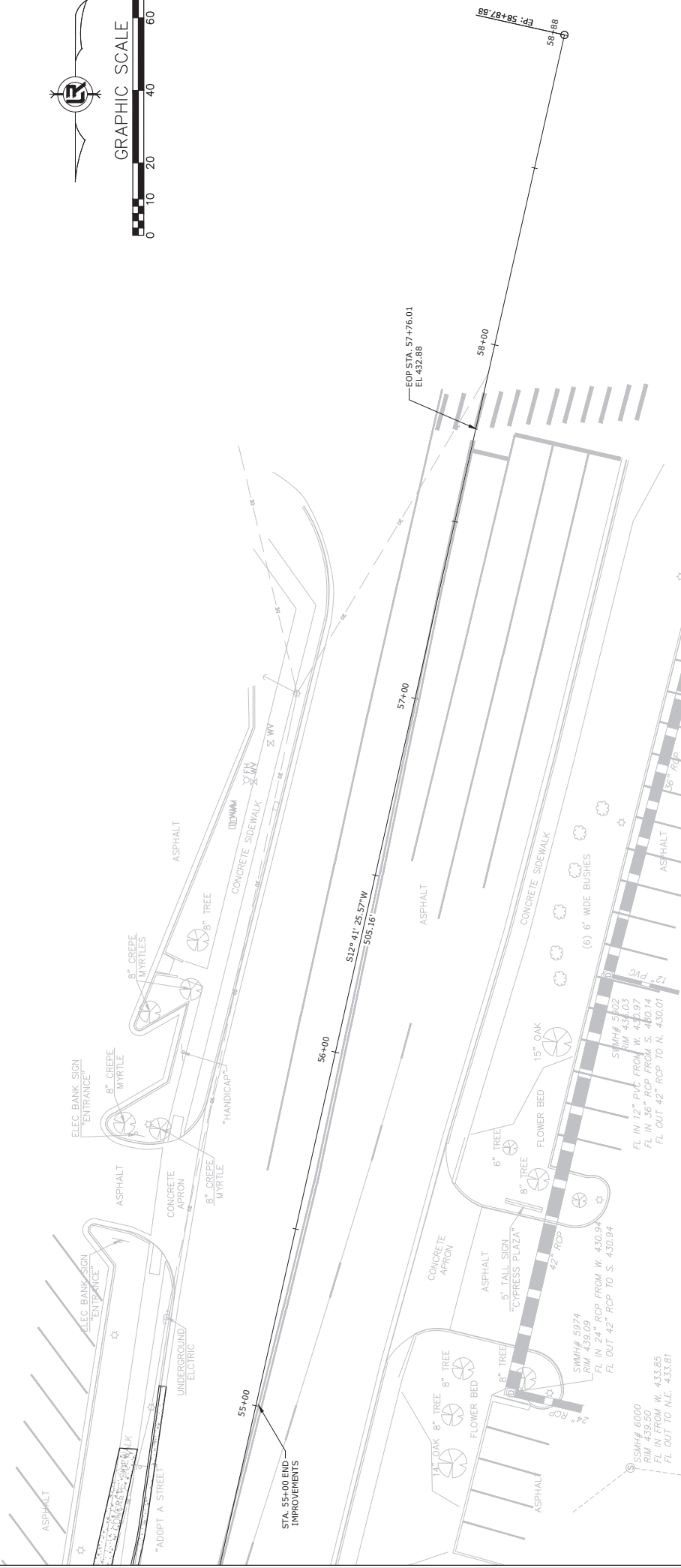
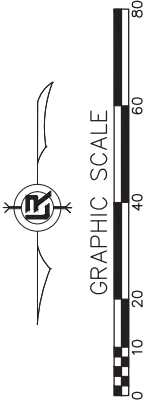
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
PLAN AND PROFILE

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



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	01/31/2020
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C23



N. RODNEY PARHAM CENTERLINE - PROFILE - SCALE: 1"=20' HORIZ. 1"=5' VERT.

REVISIONS	DATE

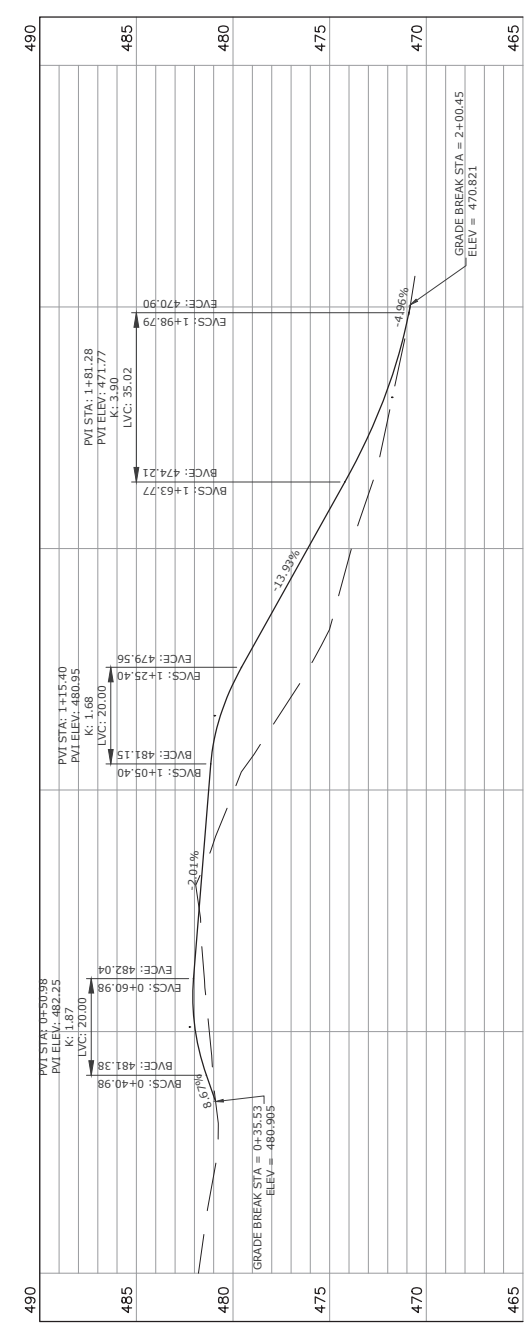
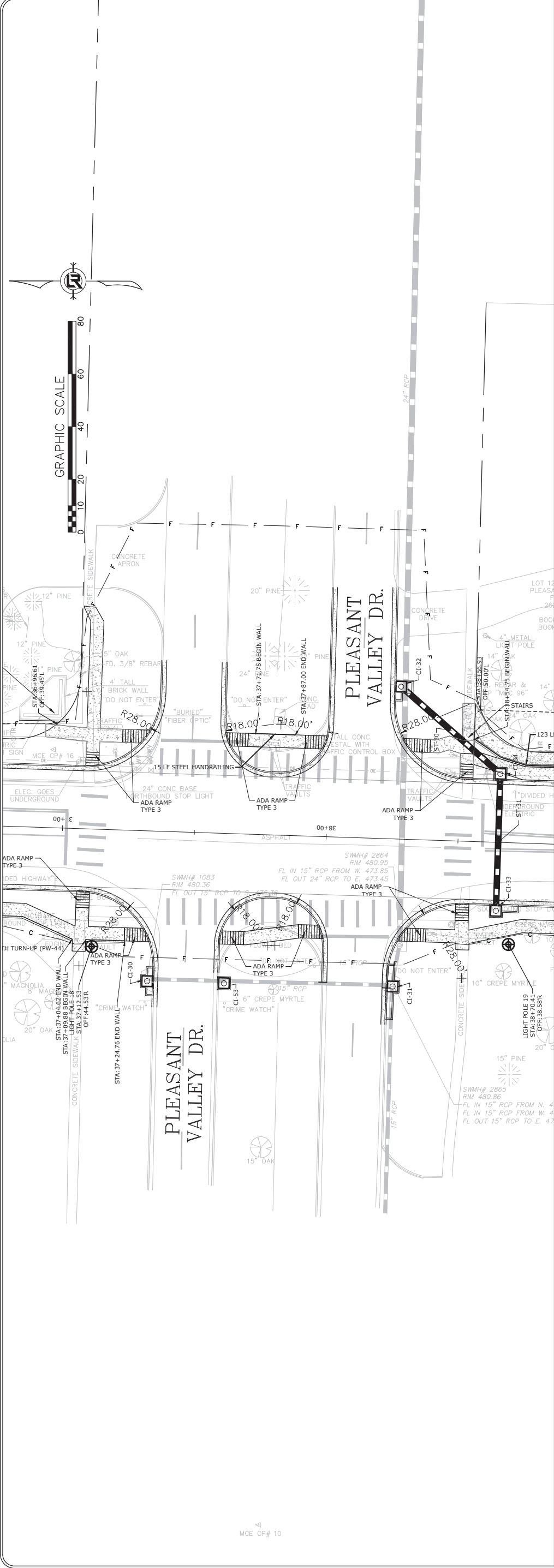
PLAN & PROFILE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING

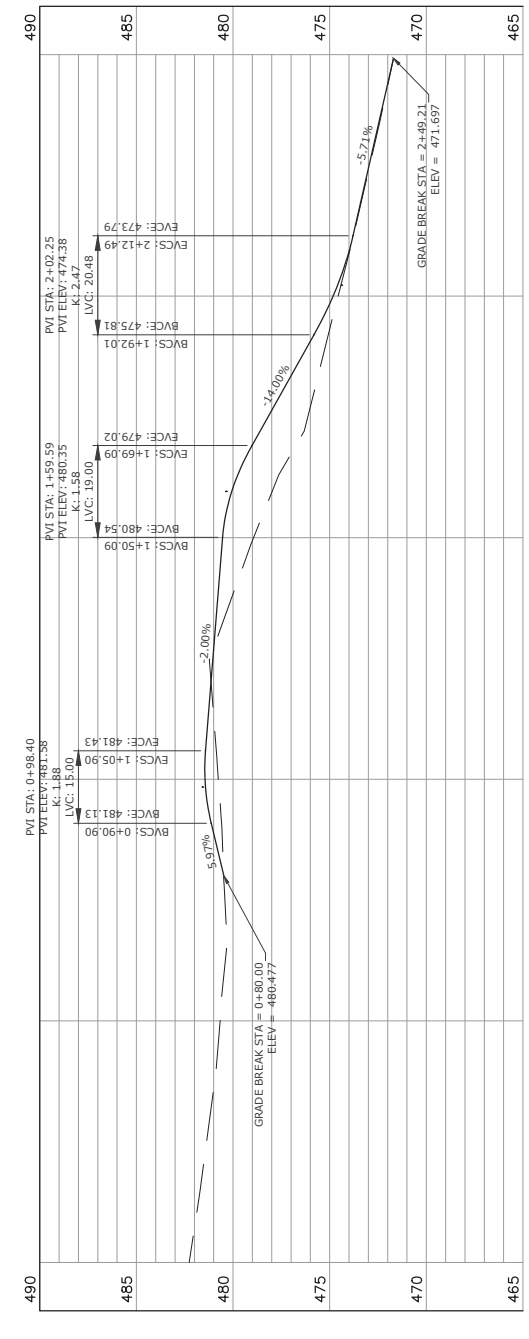
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C24



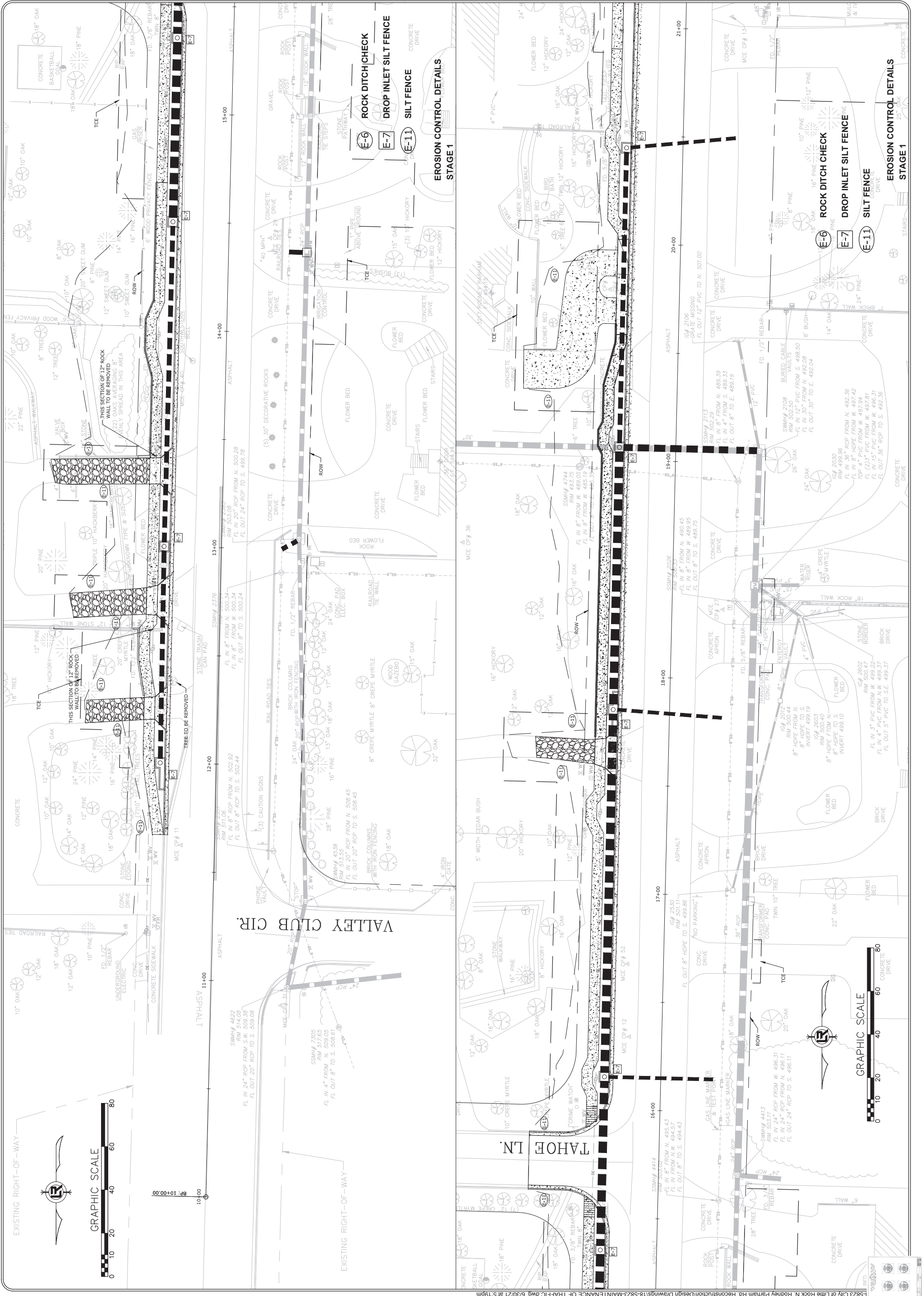
479.94	470.84	470.839
1+00	2+00	2+00



481.54	474.08	474.084
1+00	2+00	2+00

PLEASANT VALLEY NORTH

PLEASANT VALLEY SOUTH



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
EROSION CONTROL DETAILS STAGE 1

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



DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C25




EXISTING RIGHT-OF-WAY

EXISTING RIGHT-OF-WAY

5823 City of Little Rock N. Rodney Parham Rd Reconstruction Design Drawings 18-823-MAIN/TENANCE OF TRAFFIC.dwg 6/30/21 at 1:59pm

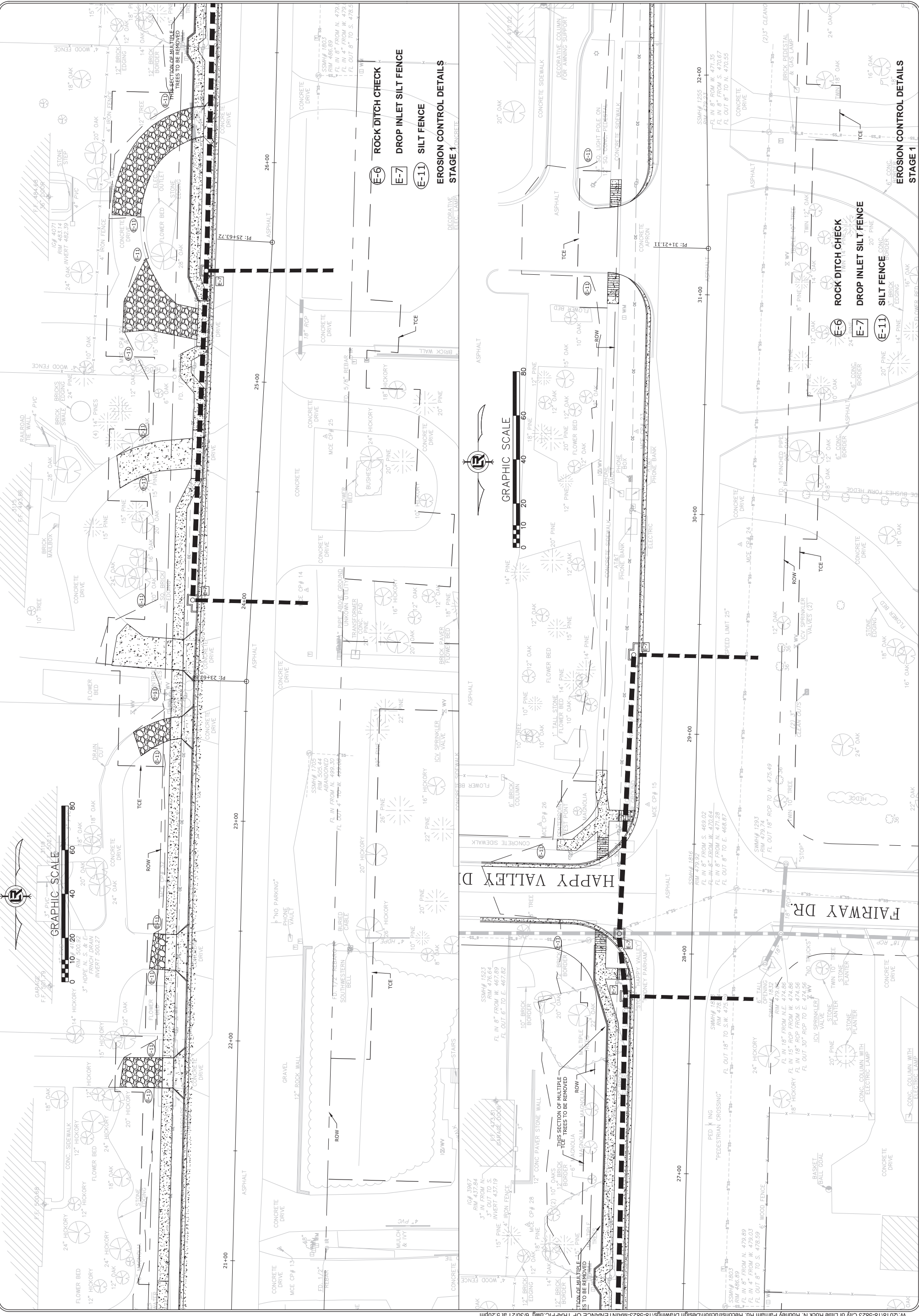
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
EROSION CONTROL DETAILS STAGE 1


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


STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
NO. 17435
DATE OF EXPIRATION 07/15/2025


DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C26



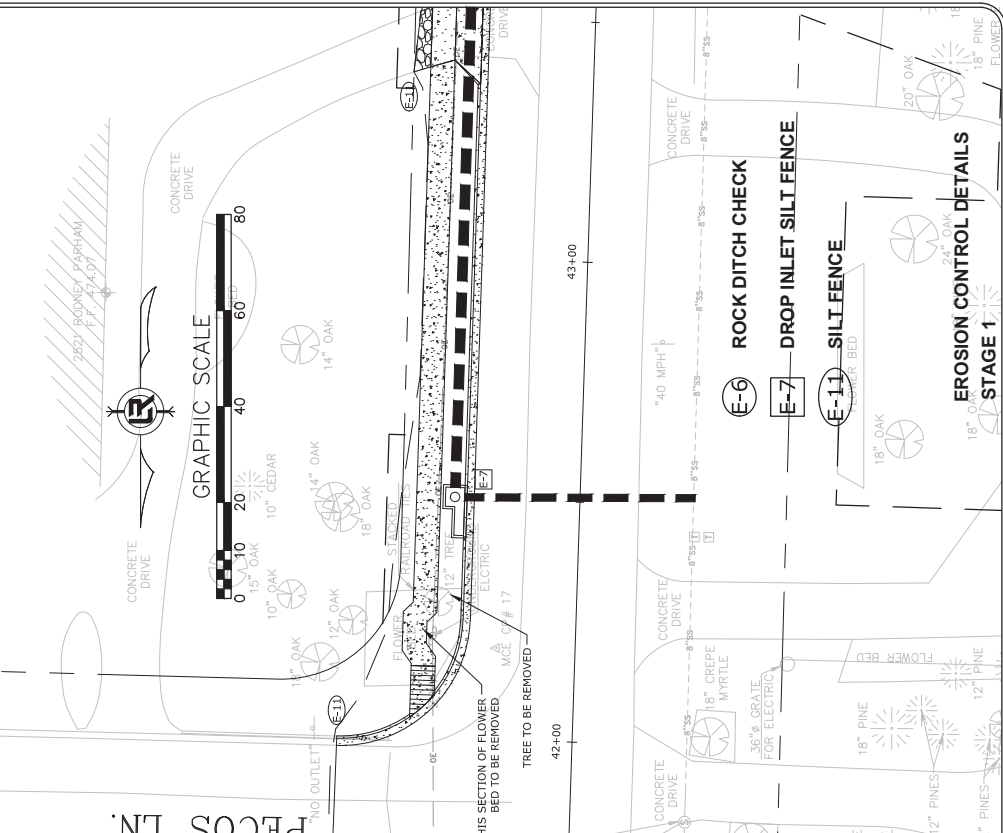
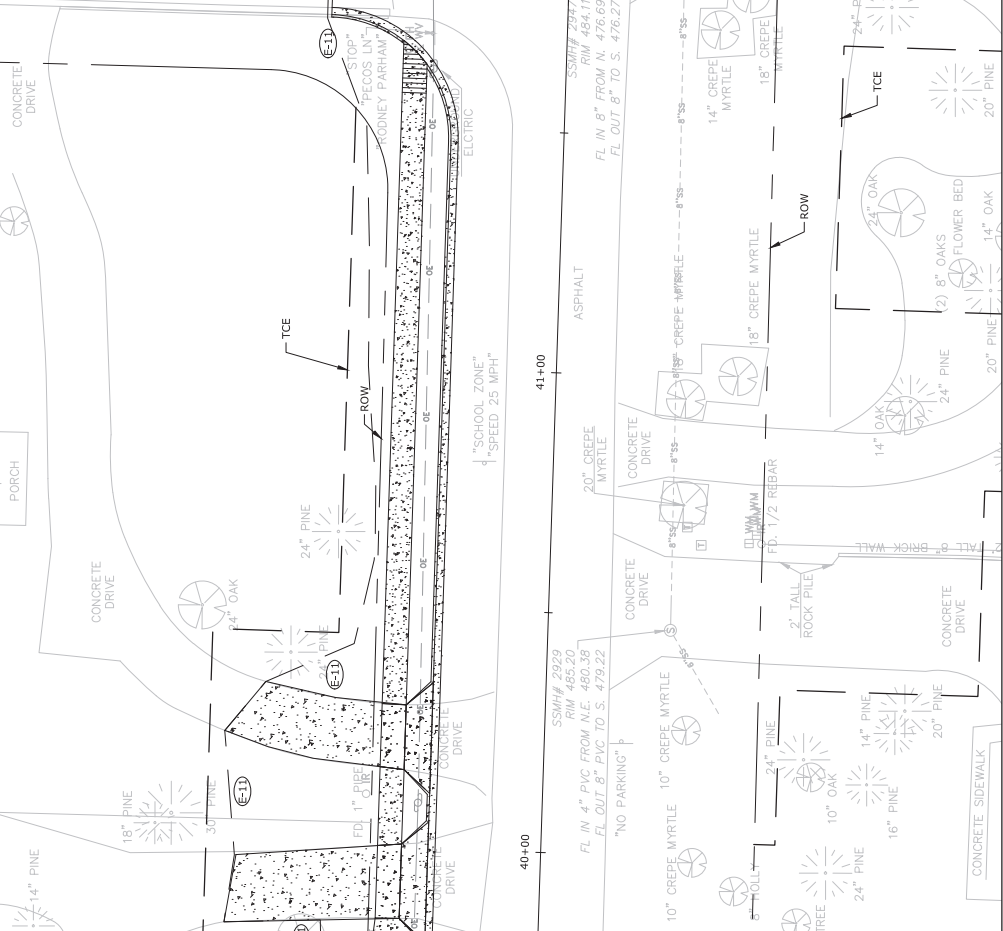
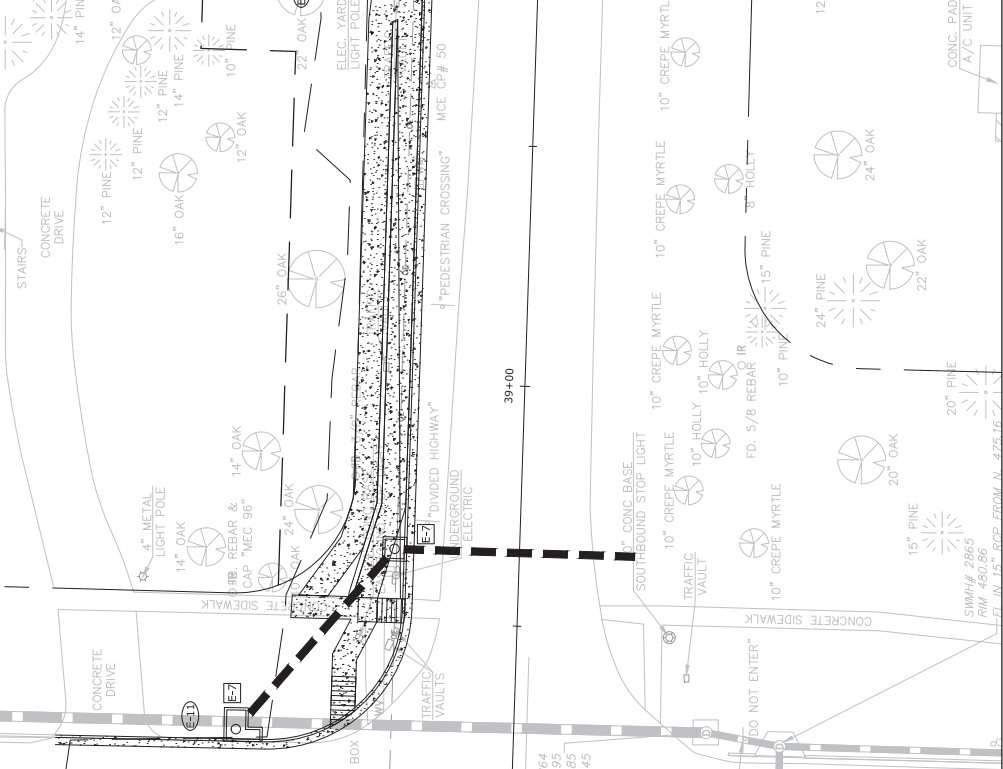
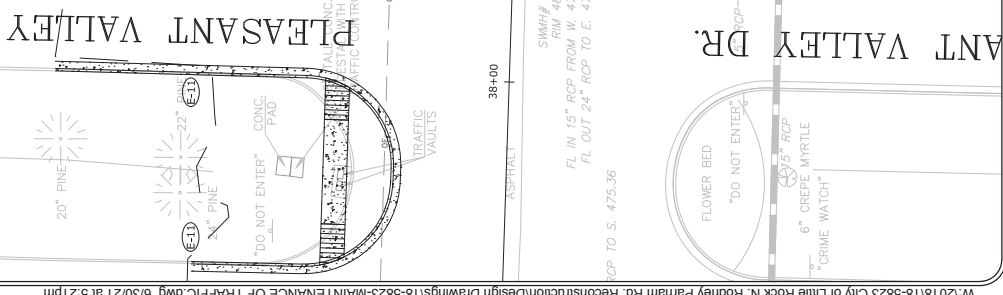
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 EROSION CONTROL DETAILS STAGE 1

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





DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C27



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
EROSION CONTROL DETAILS STAGE 1

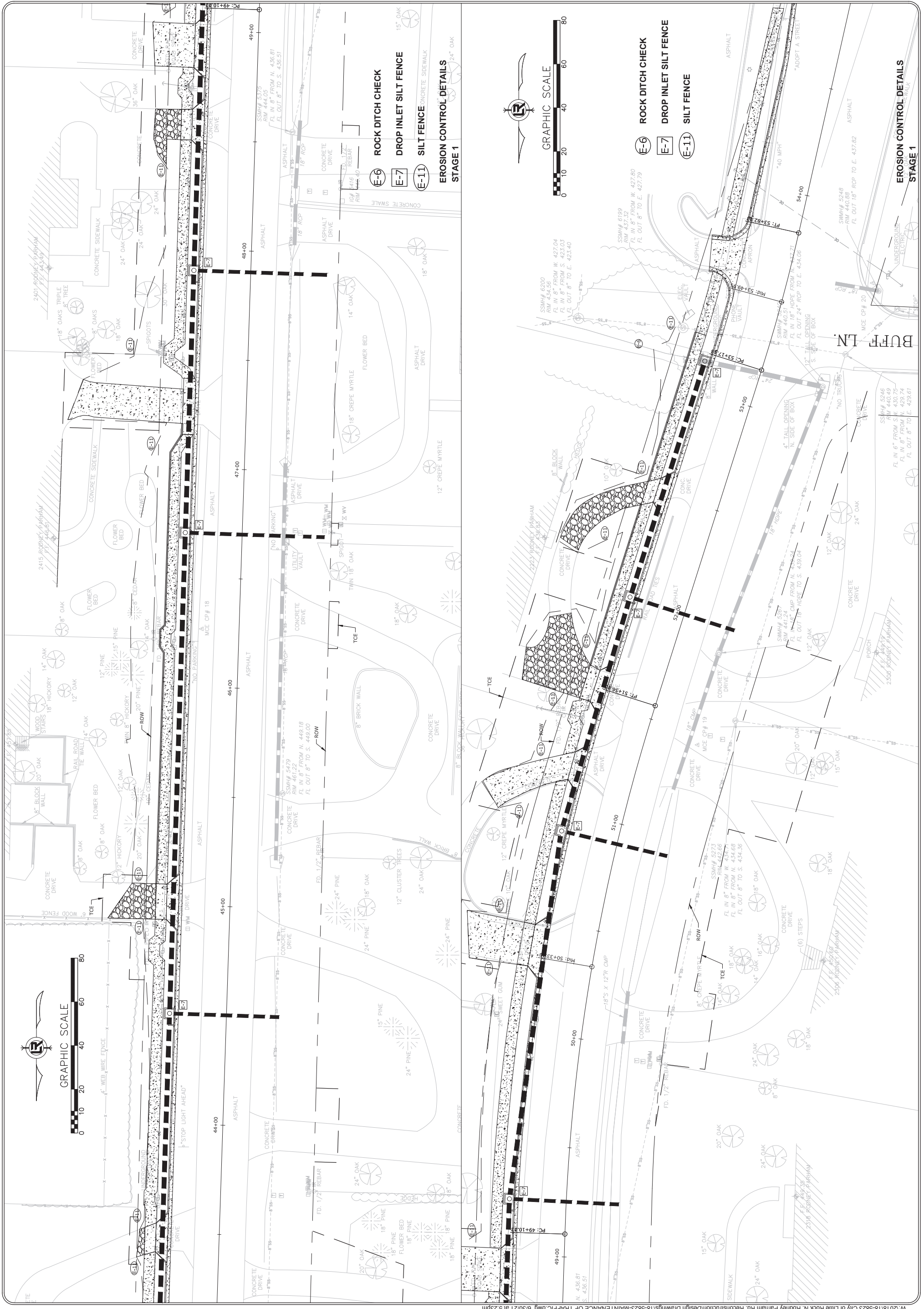


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
 GLENN C. JOHNSON
 No. 17435
 01/15/2015 - 01/15/2020


DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C28



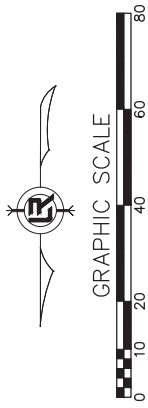
REVISIONS	DATE




CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 EROSION CONTROL DETAILS STAGE 1

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

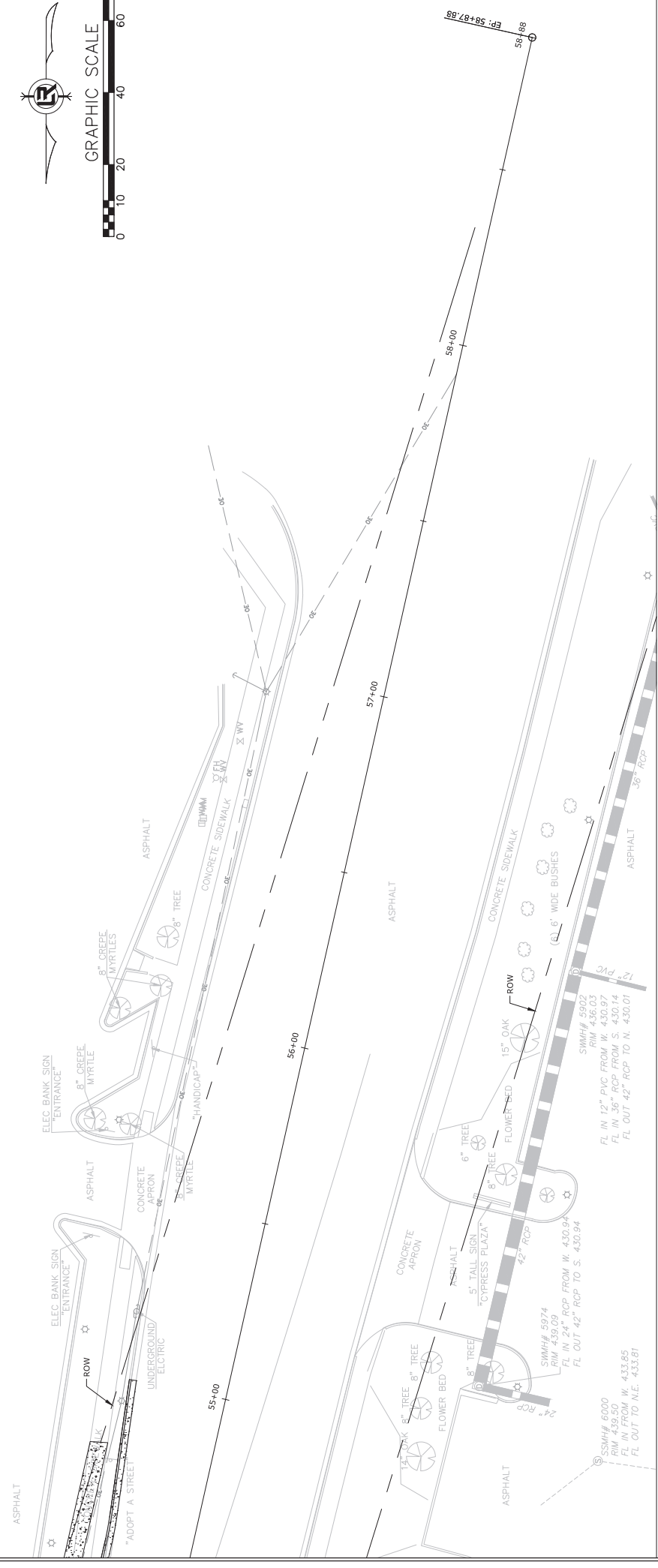



DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C29



-  ROCK DITCH CHECK
-  DROP INLET SILT FENCE
-  SILT FENCE


EROSION CONTROL DETAILS
 STAGE 1



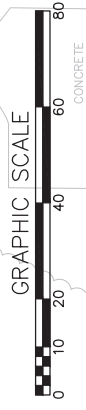
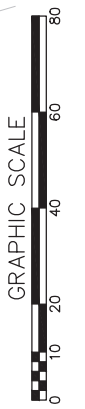
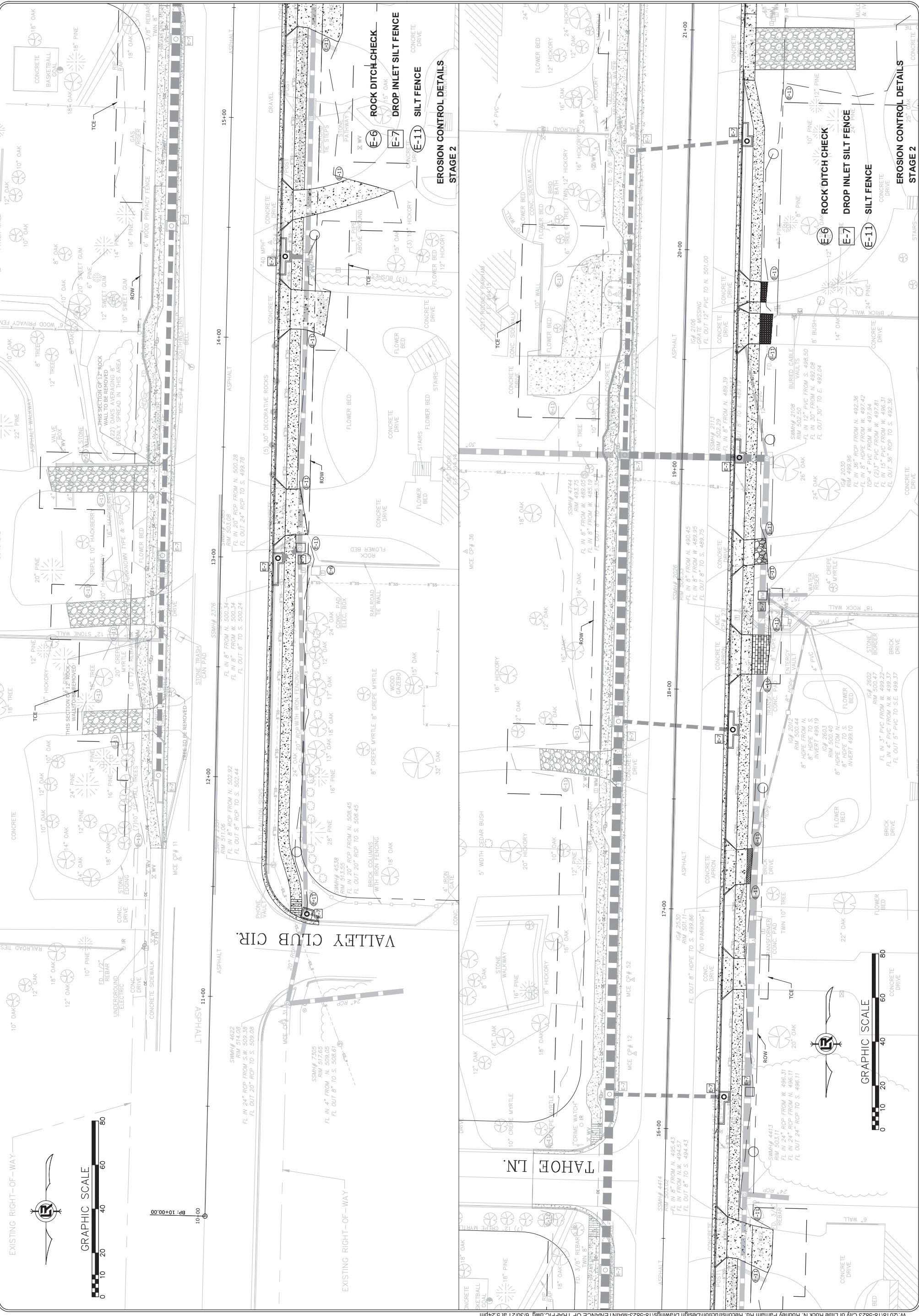
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 EROSION CONTROL DETAILS STAGE 2

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




DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C30

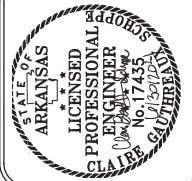


REVISIONS	DATE

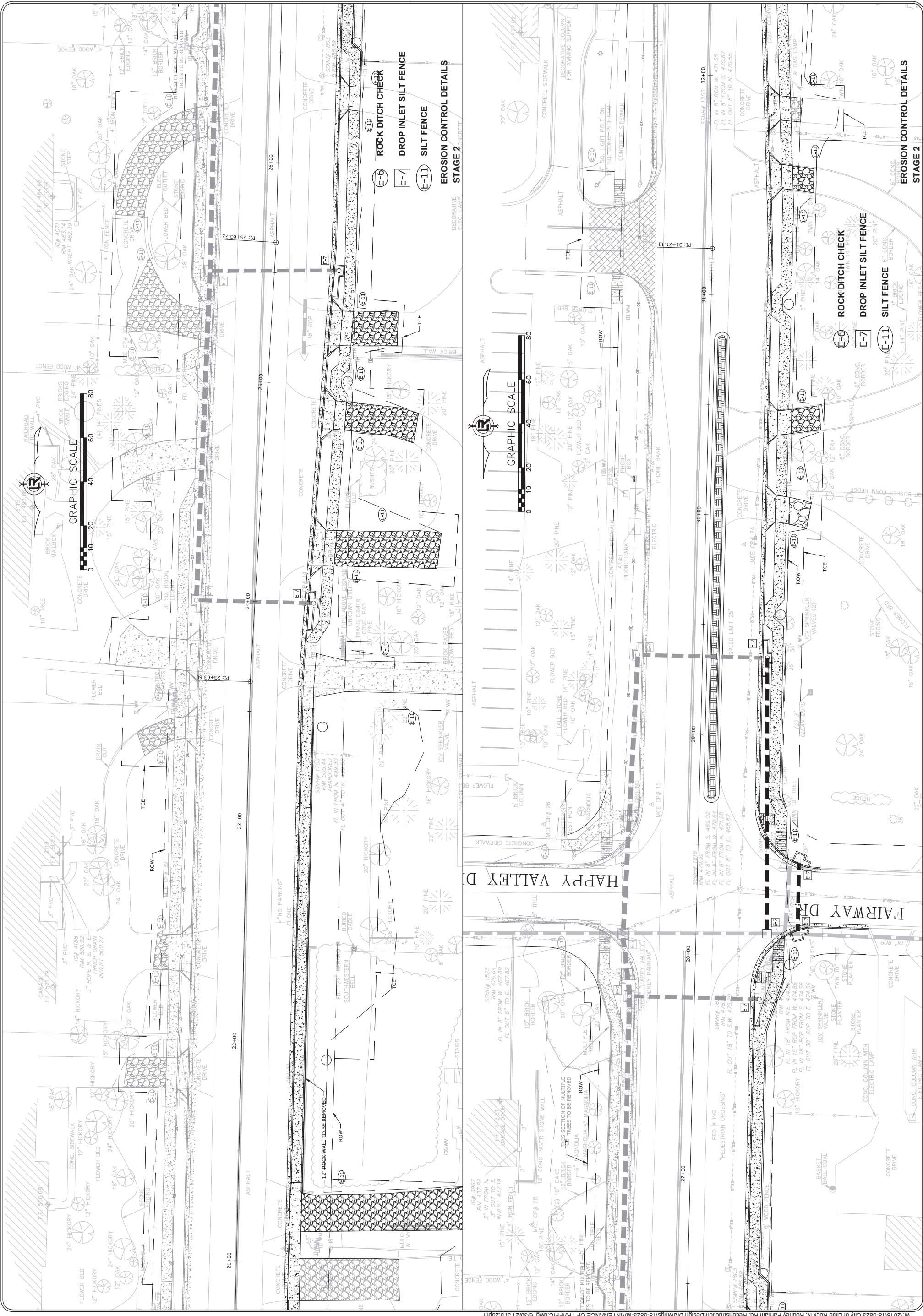
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
EROSION CONTROL DETAILS STAGE 2



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



DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C31



HAPPY VALLEY DRIVE

FAIRWAY DRIVE

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 EROSION CONTROL DETAILS STAGE 2

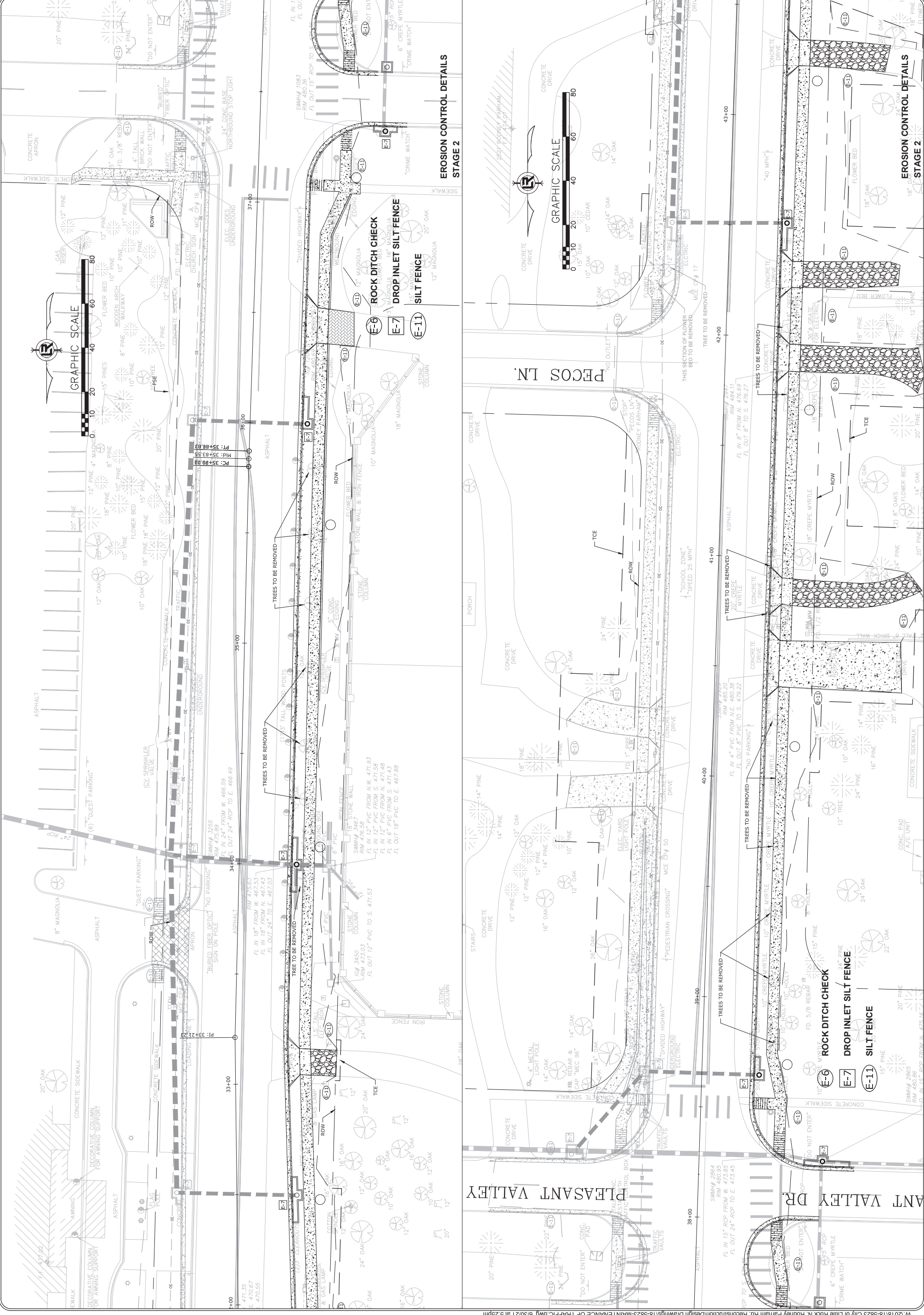


DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 G. LAURENCE SCOTT
 No. 17435
 Exp. 01/25/2024

DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C32



W:\2018\18-5823-City of Little Rock N. Rodney Parham Rd. Reconstruction\Design Drawings\18-5823-MAINTENANCE OF TRAFFIC.dwg 6/30/21 at 5:25pm

REVISIONS	DATE

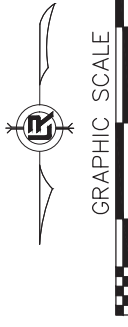
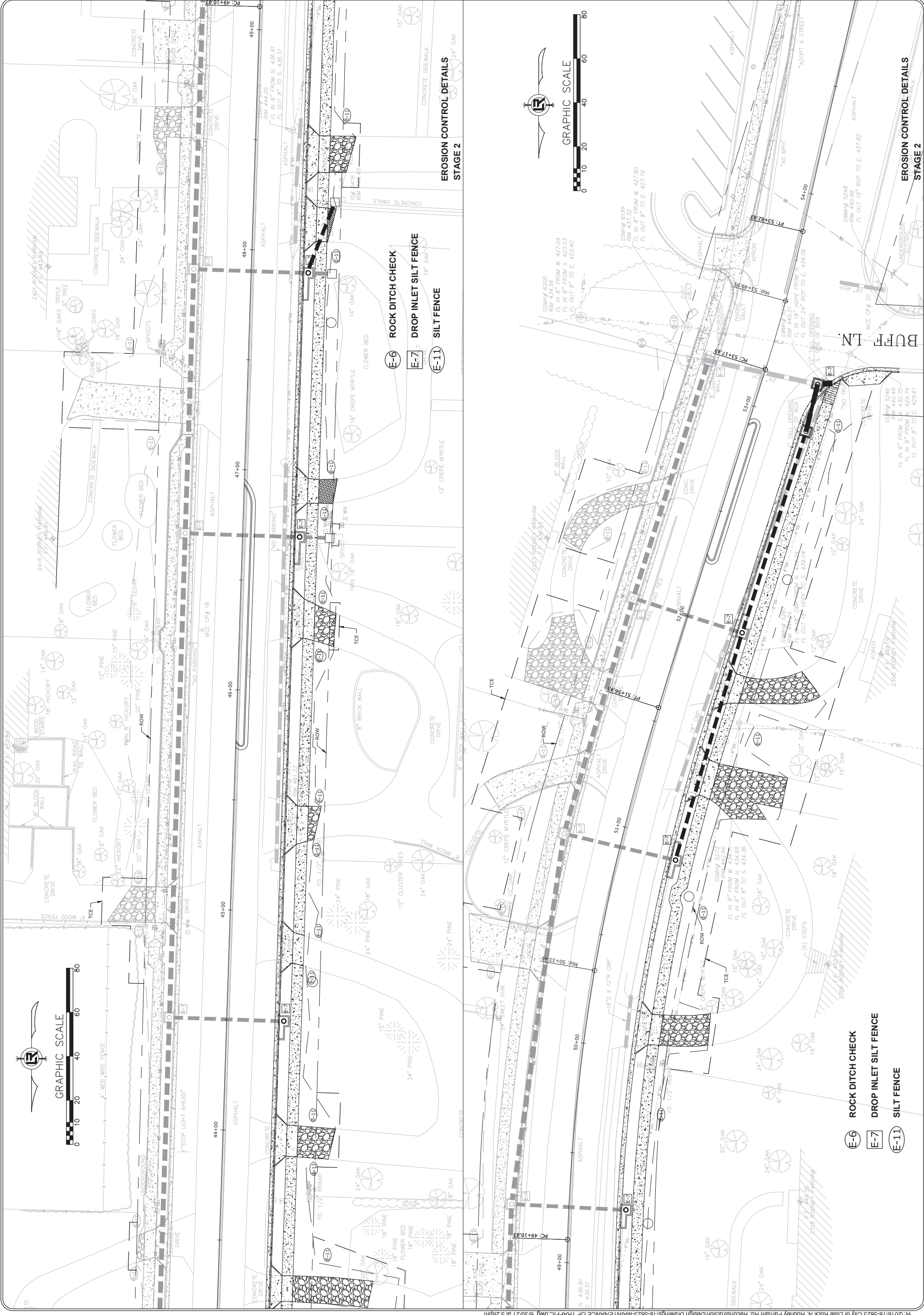
CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 EROSION CONTROL DETAILS STAGE 2



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



DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C333




- (E-6) ROCK DITCH CHECK
- (E-7) DROP INLET SILT FENCE
- (E-11) SILT FENCE

EROSION CONTROL DETAILS
 STAGE 2

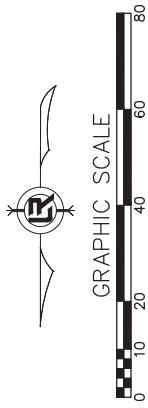
REVISIONS	DATE




CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 EROSION CONTROL DETAILS STAGE 2

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

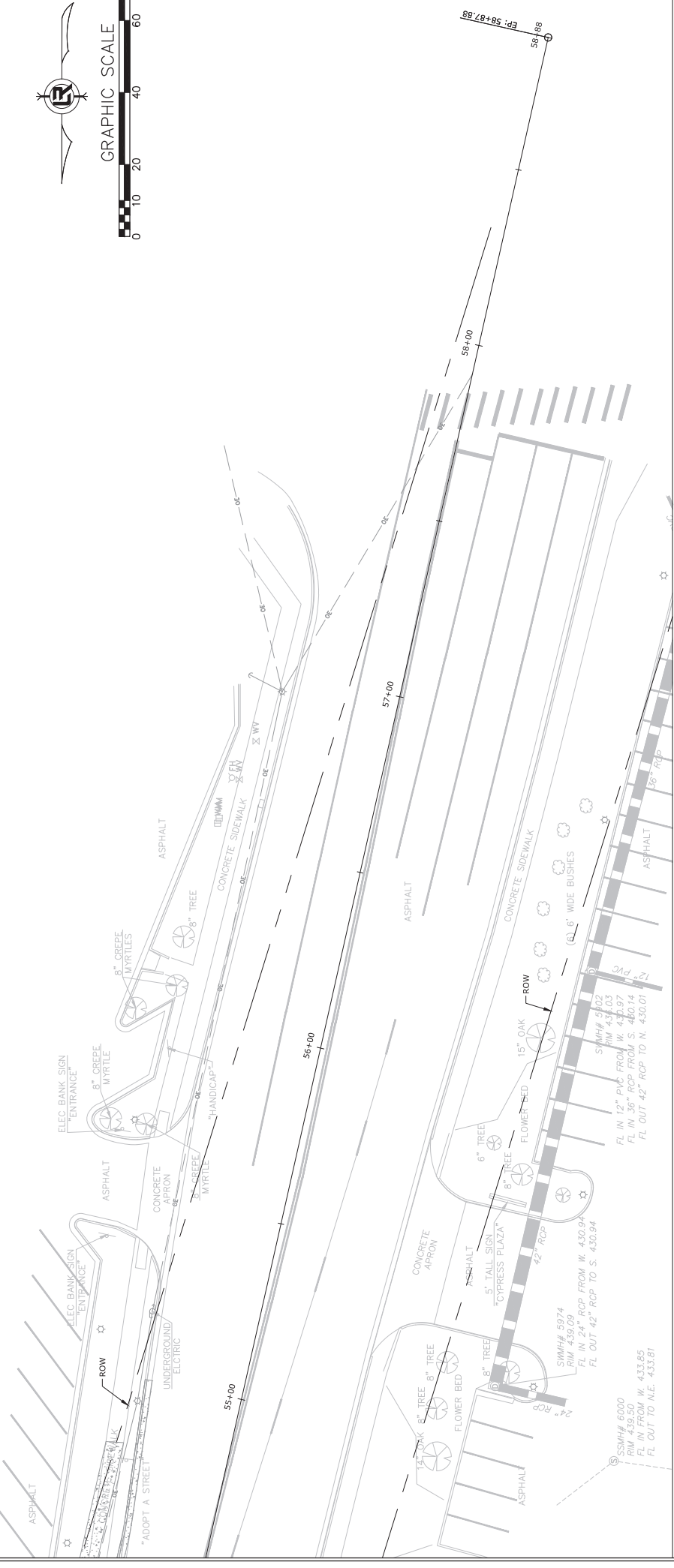



DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C34




-  ROCK DITCH CHECK
-  DROP INLET SILT FENCE
-  SILT FENCE

EROSION CONTROL DETAILS
 STAGE 2



REVISIONS	DATE
ADDENDUM 3	

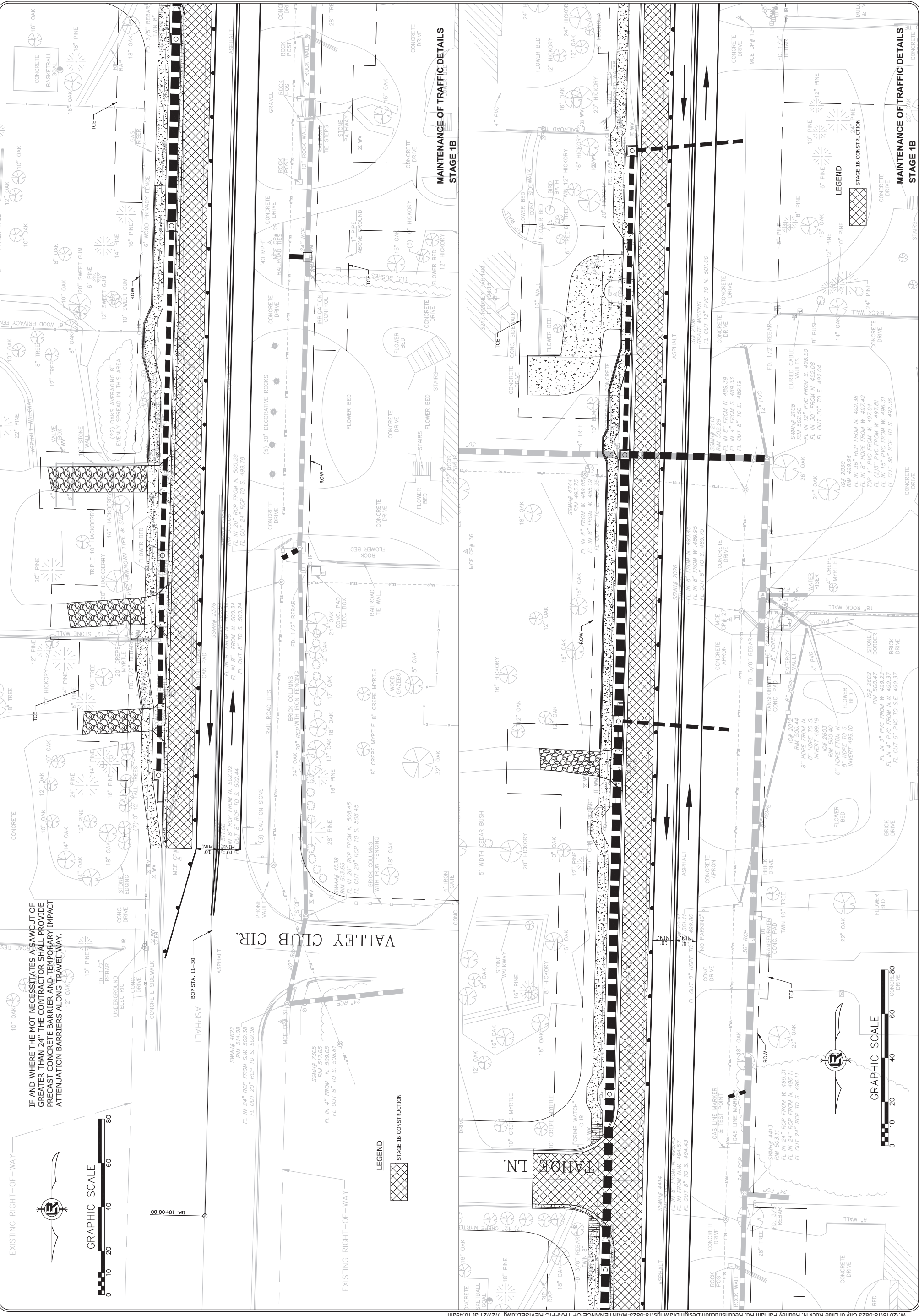
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
MAINTENANCE OF TRAFFIC DETAILS STAGE 1



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




DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C35



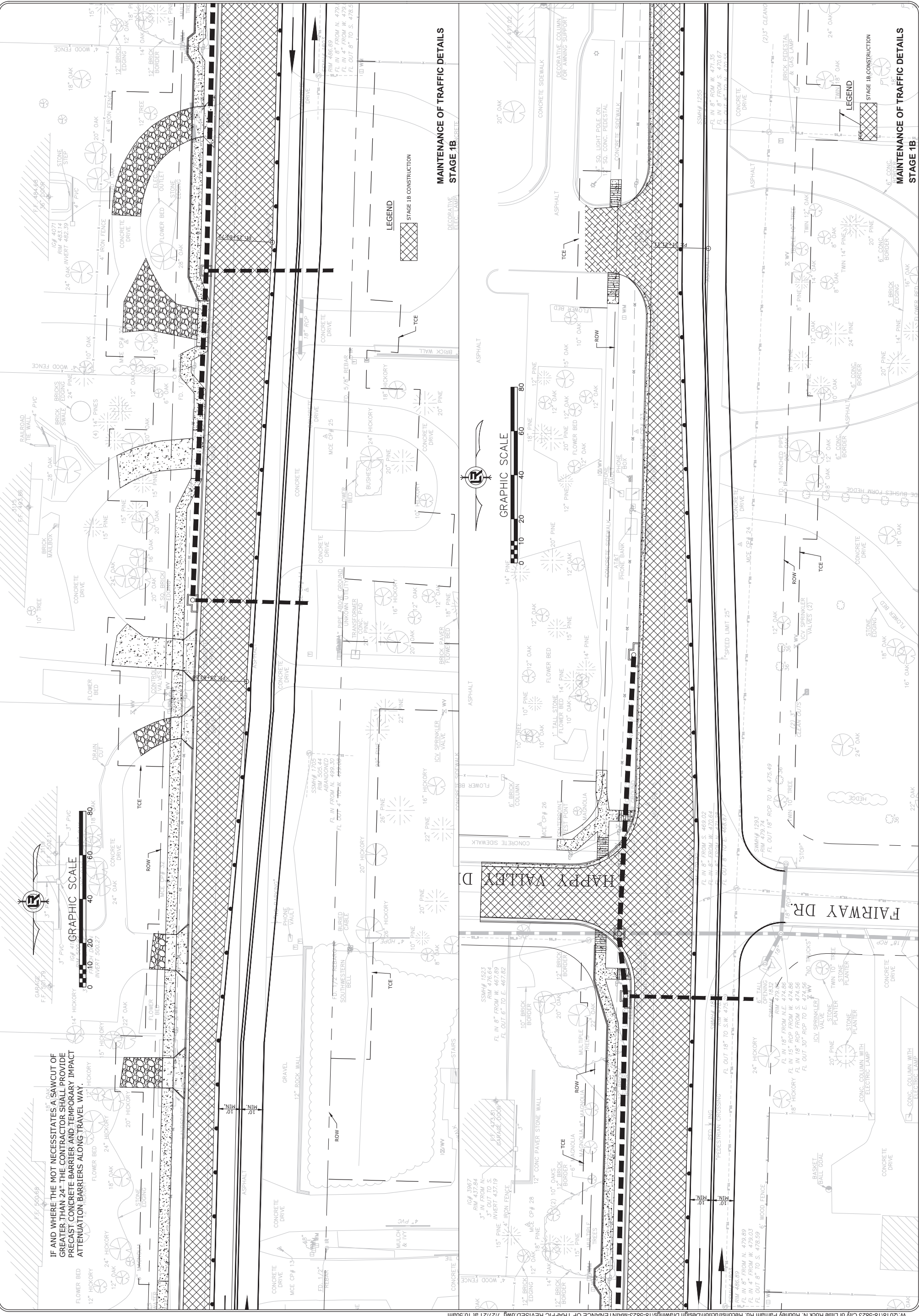
REVISIONS	DATE
ADDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 1

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





DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C36



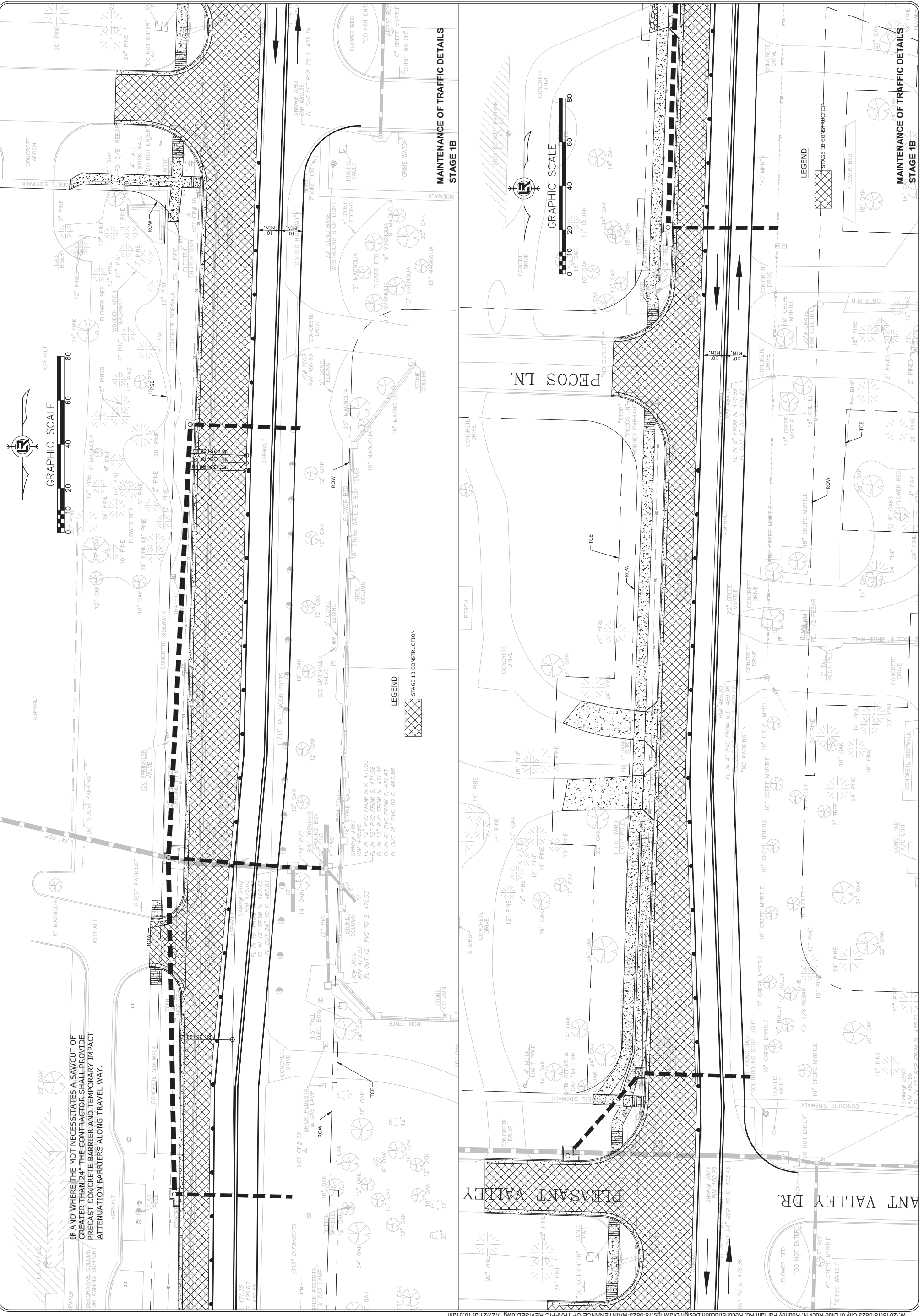
REVISIONS	DATE
ADDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 1

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




DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C37



IF AND WHERE THE NOT NECESSARILY A SAWCUT OF GREATER THAN 24". THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.


MAINTENANCE OF TRAFFIC DETAILS
 STAGE 1B

MAINTENANCE OF TRAFFIC DETAILS
 STAGE 1B

REVISIONS	DATE
ADDENDUM 3	

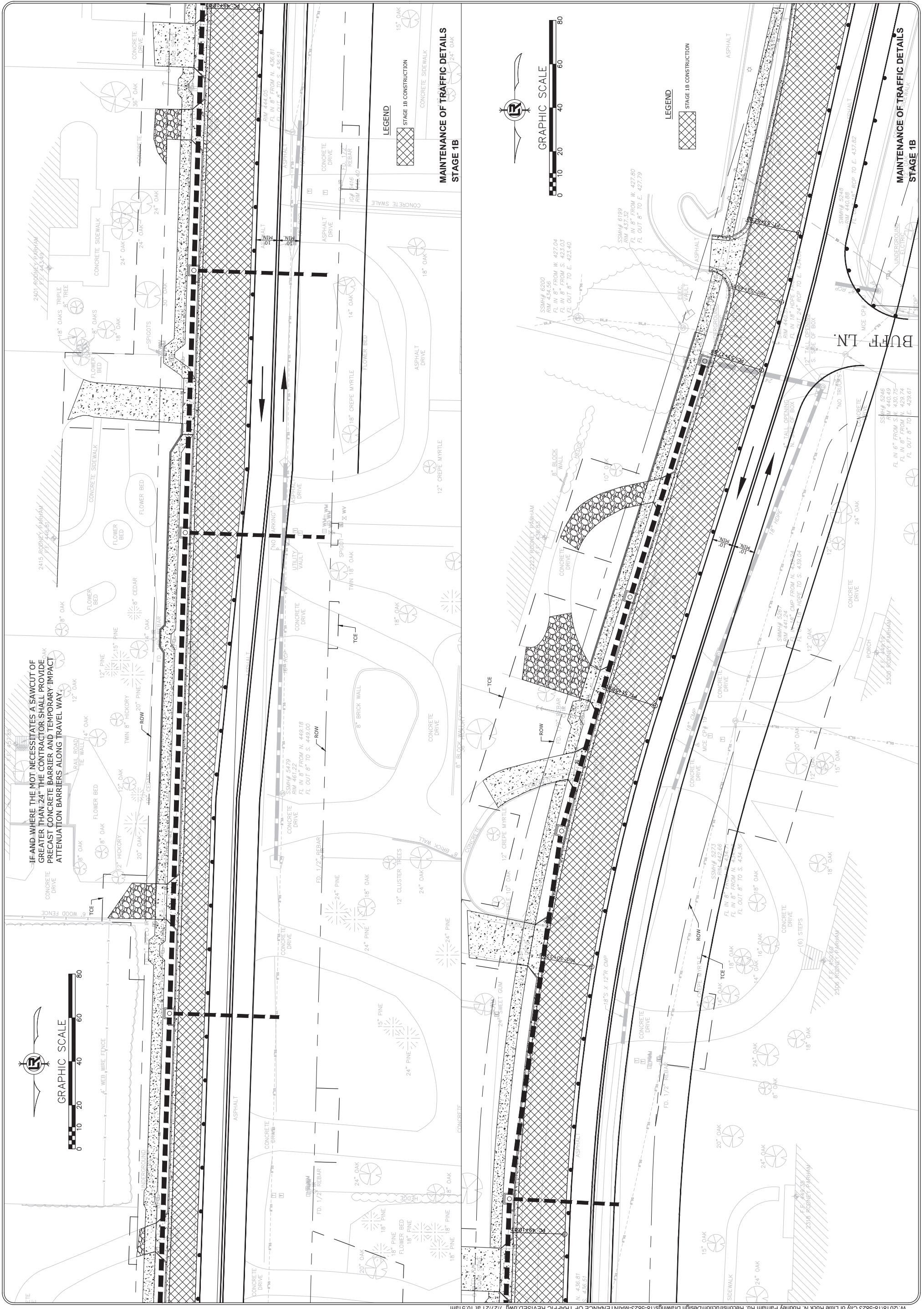
CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 1

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



STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 No. 17,155
 J. W. GUTTERMAN


DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C38



REVISIONS	DATE
ADDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 1

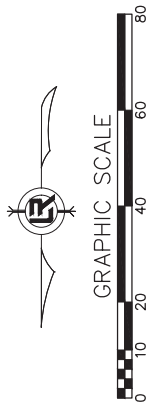
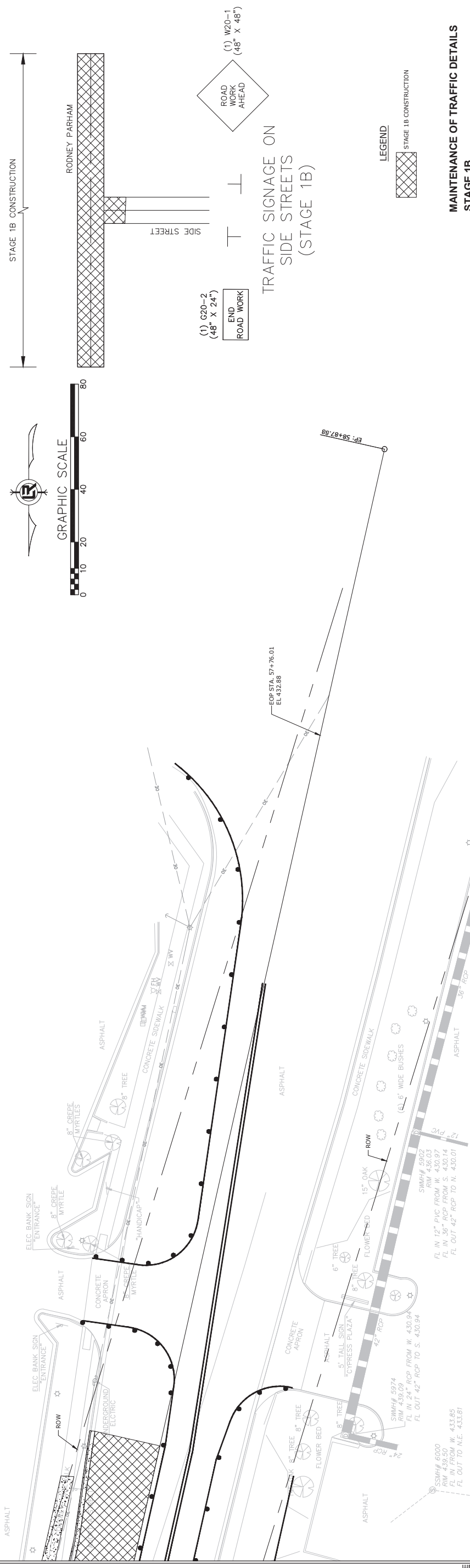
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 No. 17,435
 S. STUBBS

DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C39

IF AND WHERE THE MOT NECESSITATES A SAWCUT OF GREATER THAN 24" THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.



STAGE 1B CONSTRUCTION

RODNEY PARHAM

SIDE STREET

(1) G20-2
(48" X 24")
END ROAD WORK

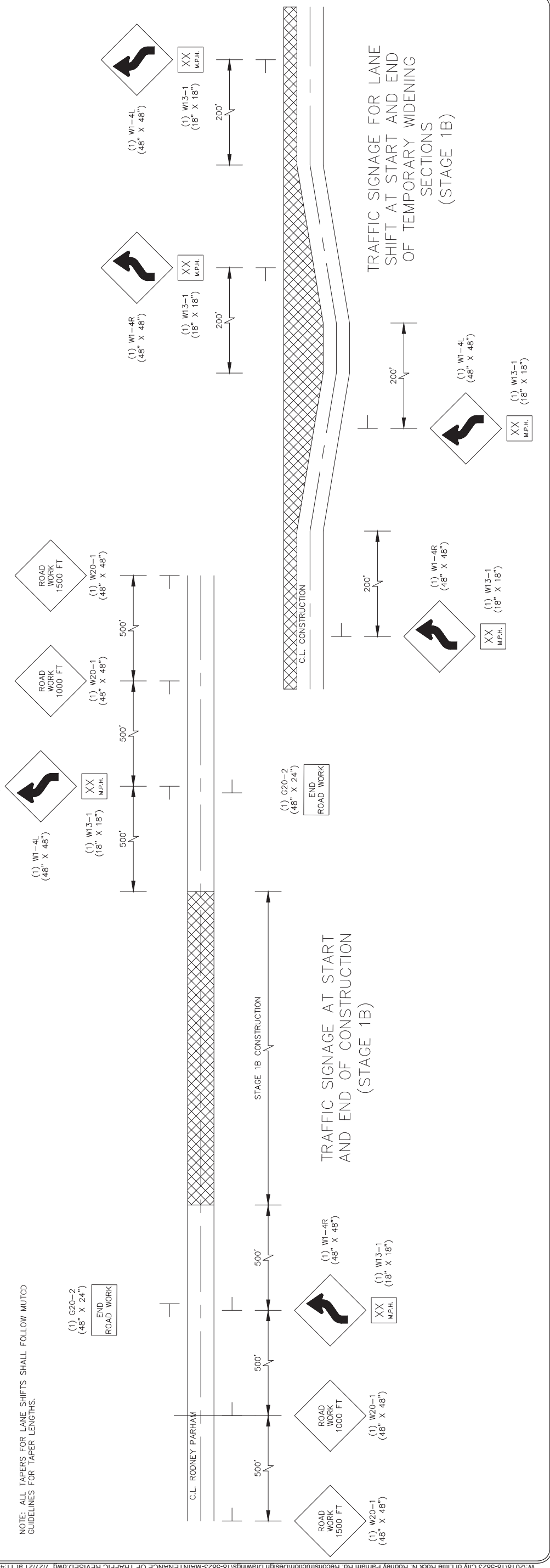
(1) W20-1
(48" X 48")
ROAD WORK AHEAD

TRAFFIC SIGNAGE ON SIDE STREETS (STAGE 1B)

LEGEND



MAINTENANCE OF TRAFFIC DETAILS
 STAGE 1B



NOTE: ALL TAPERS FOR LANE SHIFTS SHALL FOLLOW MUTCD GUIDELINES FOR TAPER LENGTHS.


TRAFFIC SIGNAGE AT START AND END OF CONSTRUCTION (STAGE 1B)

TRAFFIC SIGNAGE FOR LANE SHIFT AT START AND END OF TEMPORARY WIDENING SECTIONS (STAGE 1B)

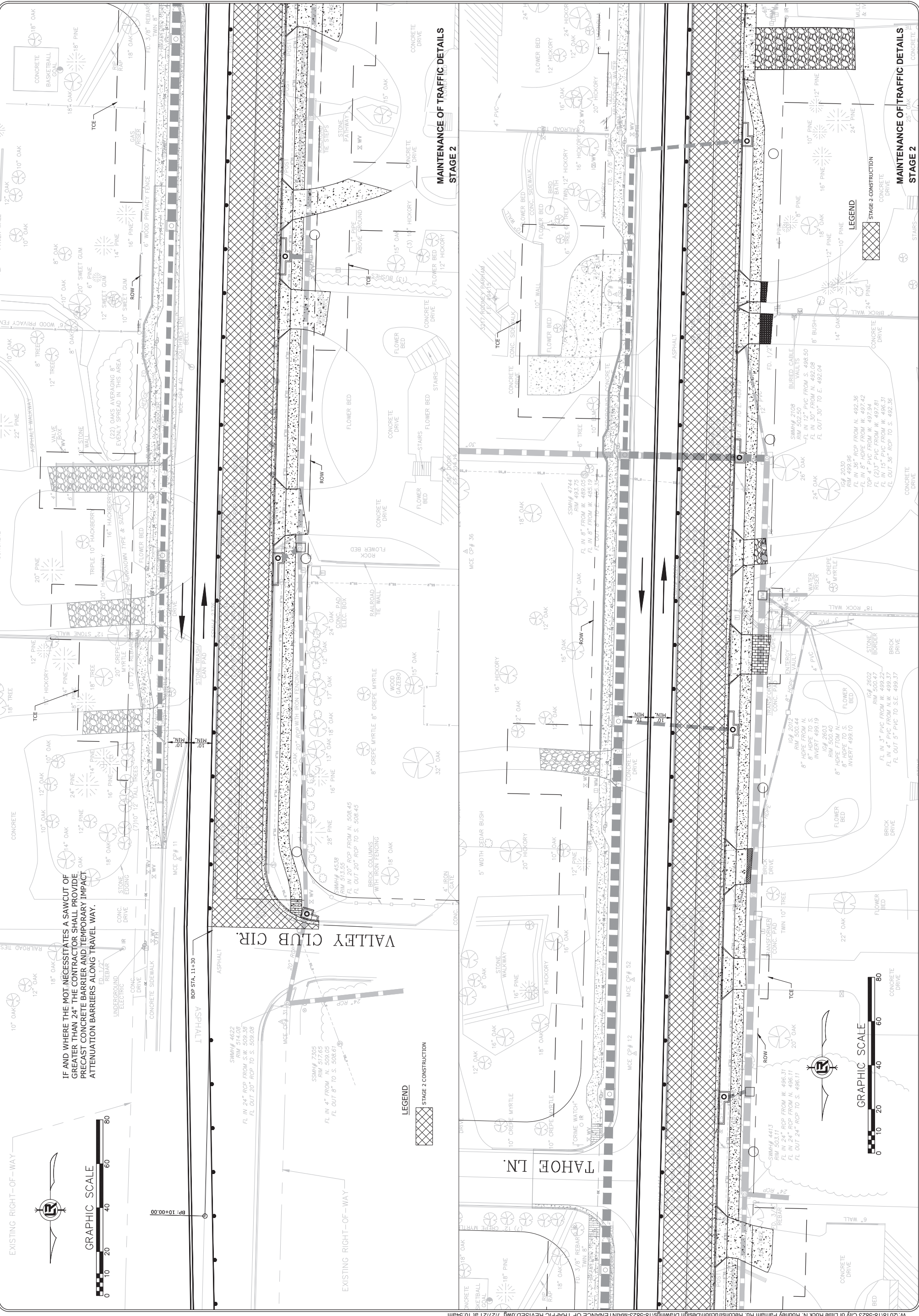
REVISIONS	DATE
ADDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 2

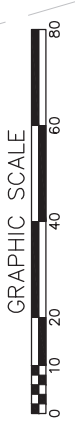
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201




DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C40



IF AND WHERE THE MOT NECESSITATES A SAWCUT OF GREATER THAN 24", THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.



MAINTENANCE OF TRAFFIC DETAILS
 STAGE 2


MAINTENANCE OF TRAFFIC DETAILS
 STAGE 2

MAINTENANCE OF TRAFFIC DETAILS
 STAGE 2

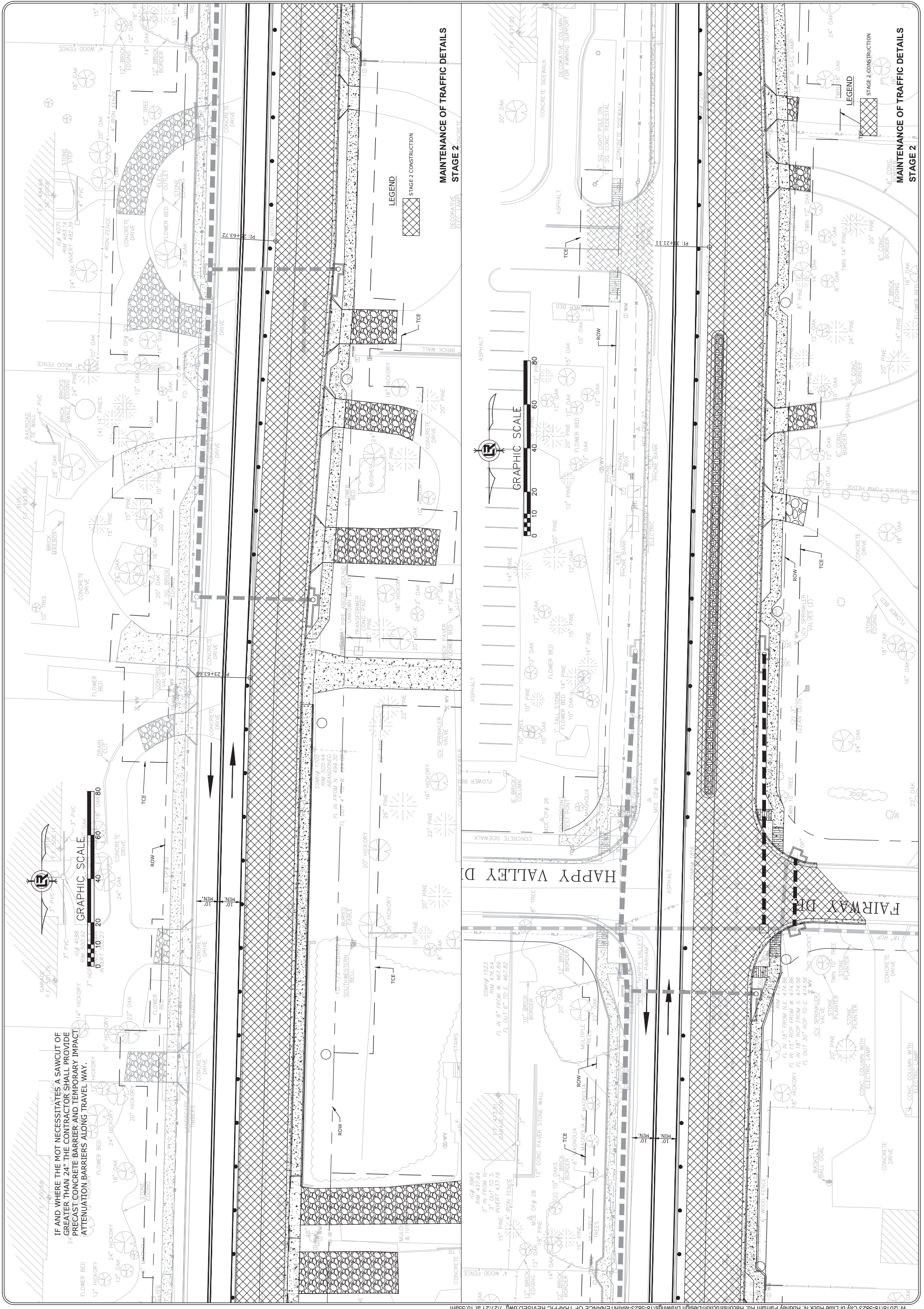
REVISIONS	DATE
APPENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 2

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




DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C41




IF AND WHERE THE NOT NECESSITATES A SAWCUT OF GREATER THAN 24" THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.

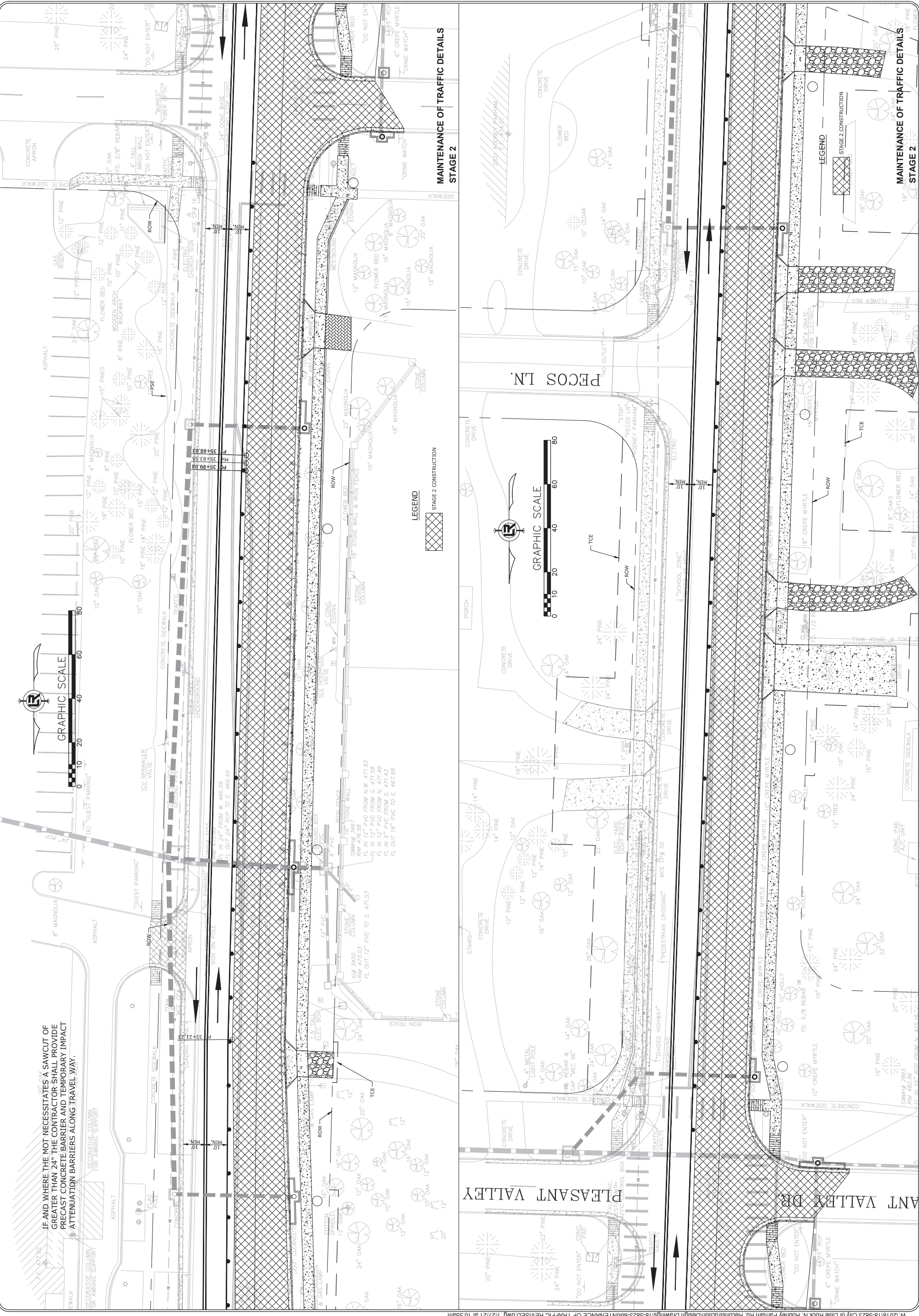
REVISIONS	DATE
ADDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 2

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




DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C42




IF AND WHERE THE NOT NECESSITATES A SAWCUT OF GREATER THAN 24" THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.

MAINTENANCE OF TRAFFIC DETAILS
 STAGE 2

MAINTENANCE OF TRAFFIC DETAILS
 STAGE 2

REVISIONS	DATE
ADDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 2

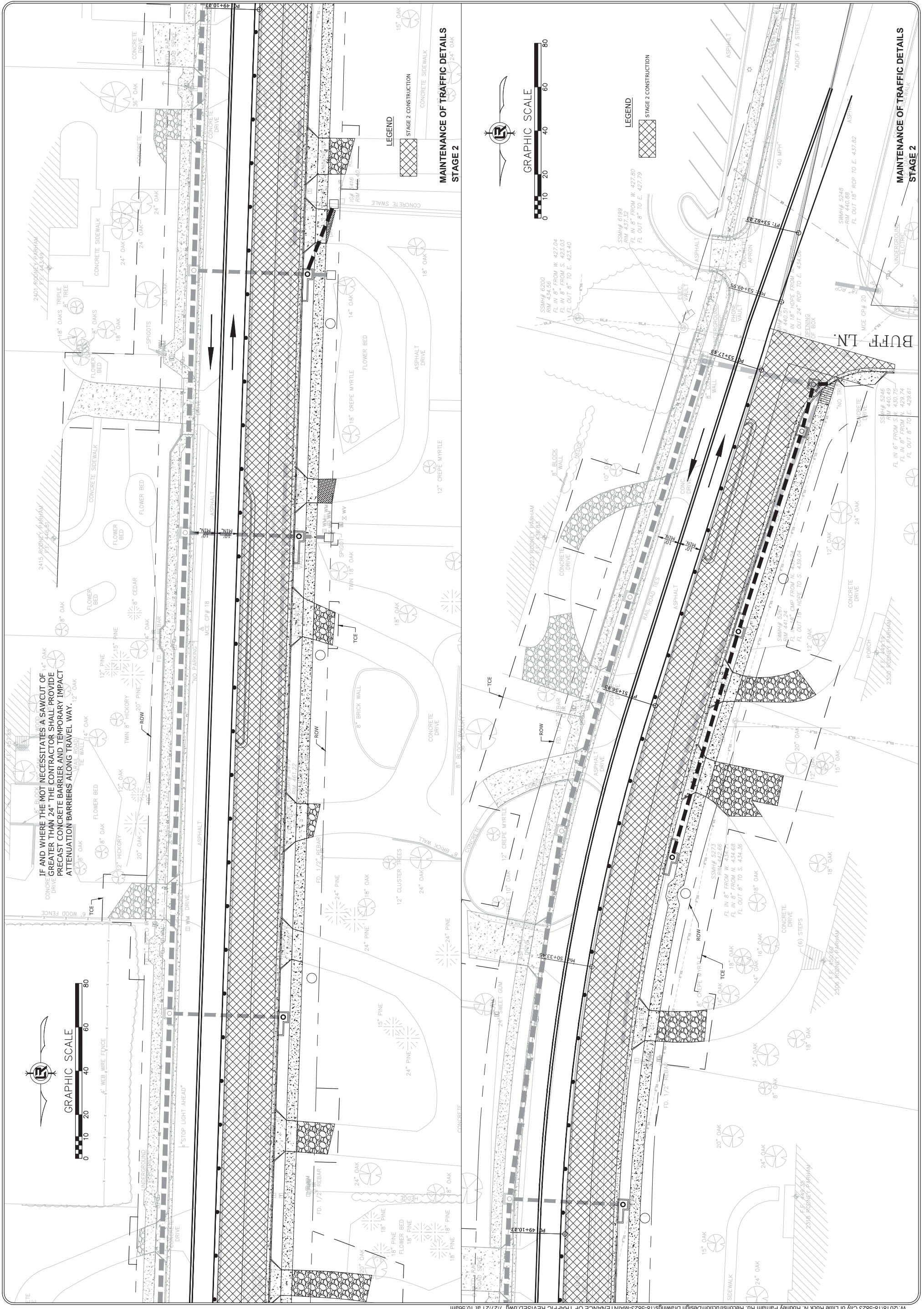


DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 No. 17135
 J. C. GUTERBAUGH


DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C43



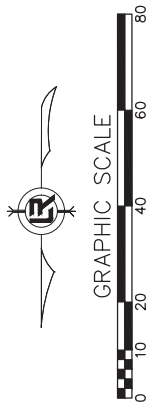
REVISIONS	DATE
ADDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 2

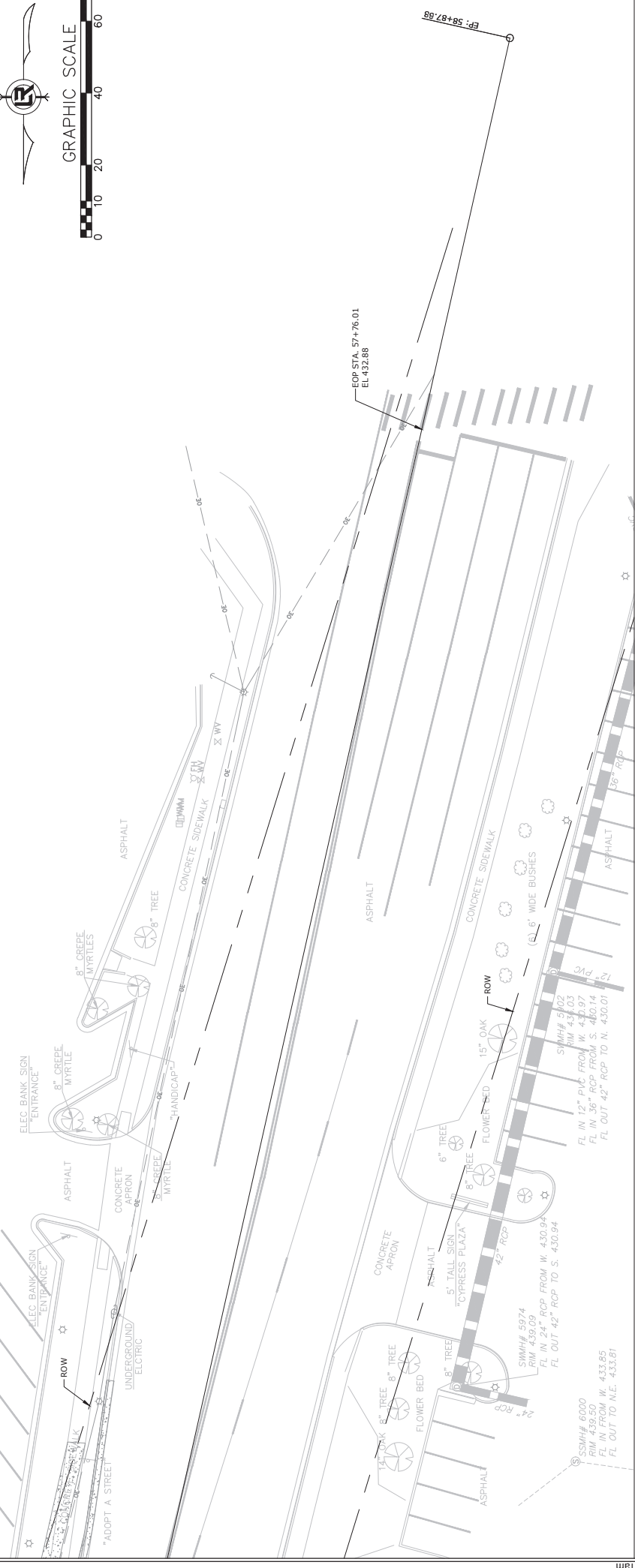
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201




DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C44

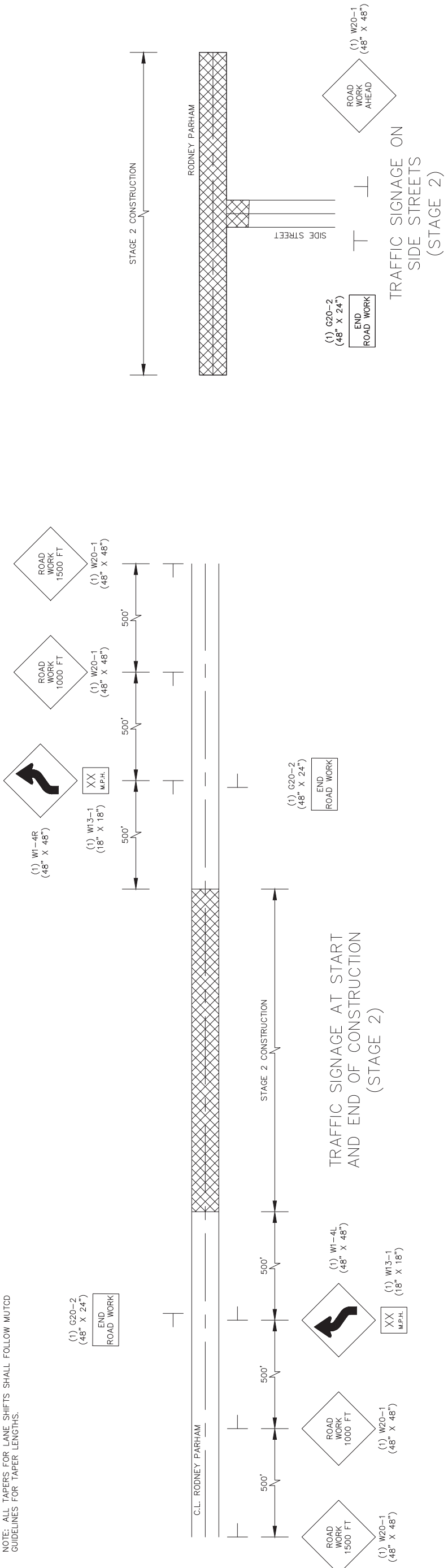


IF AND WHERE THE MOT NECESSITATES A SAWCUT OF GREATER THAN 24" THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.



MAINTENANCE OF TRAFFIC DETAILS
 STAGE 2


NOTE: ALL TAPERS FOR LANE SHIFTS SHALL FOLLOW MUTCD GUIDELINES FOR TAPER LENGTHS.



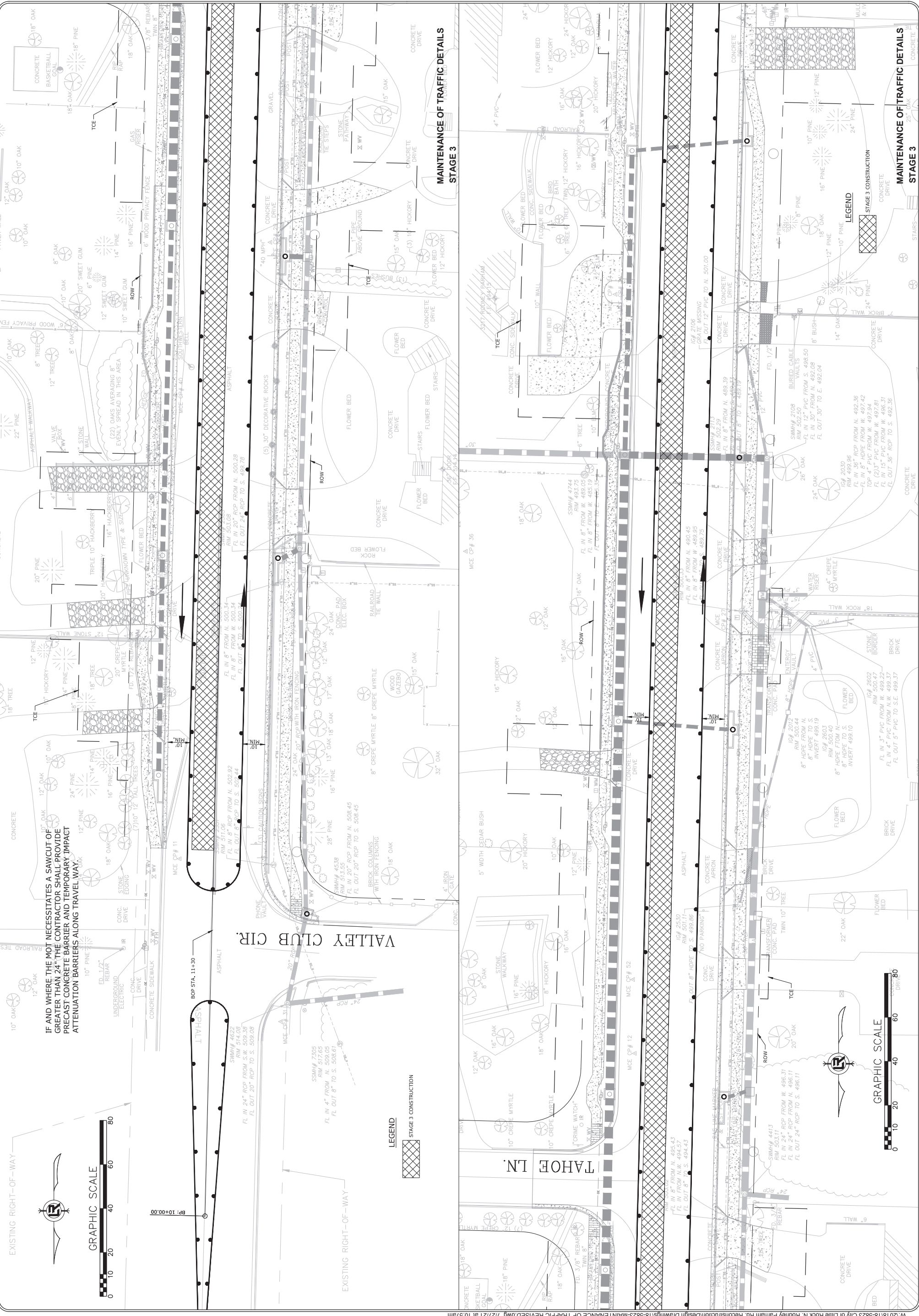
REVISIONS	DATE
ADDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 3

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





DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C45



REVISIONS	DATE
ADDENDUM 3	

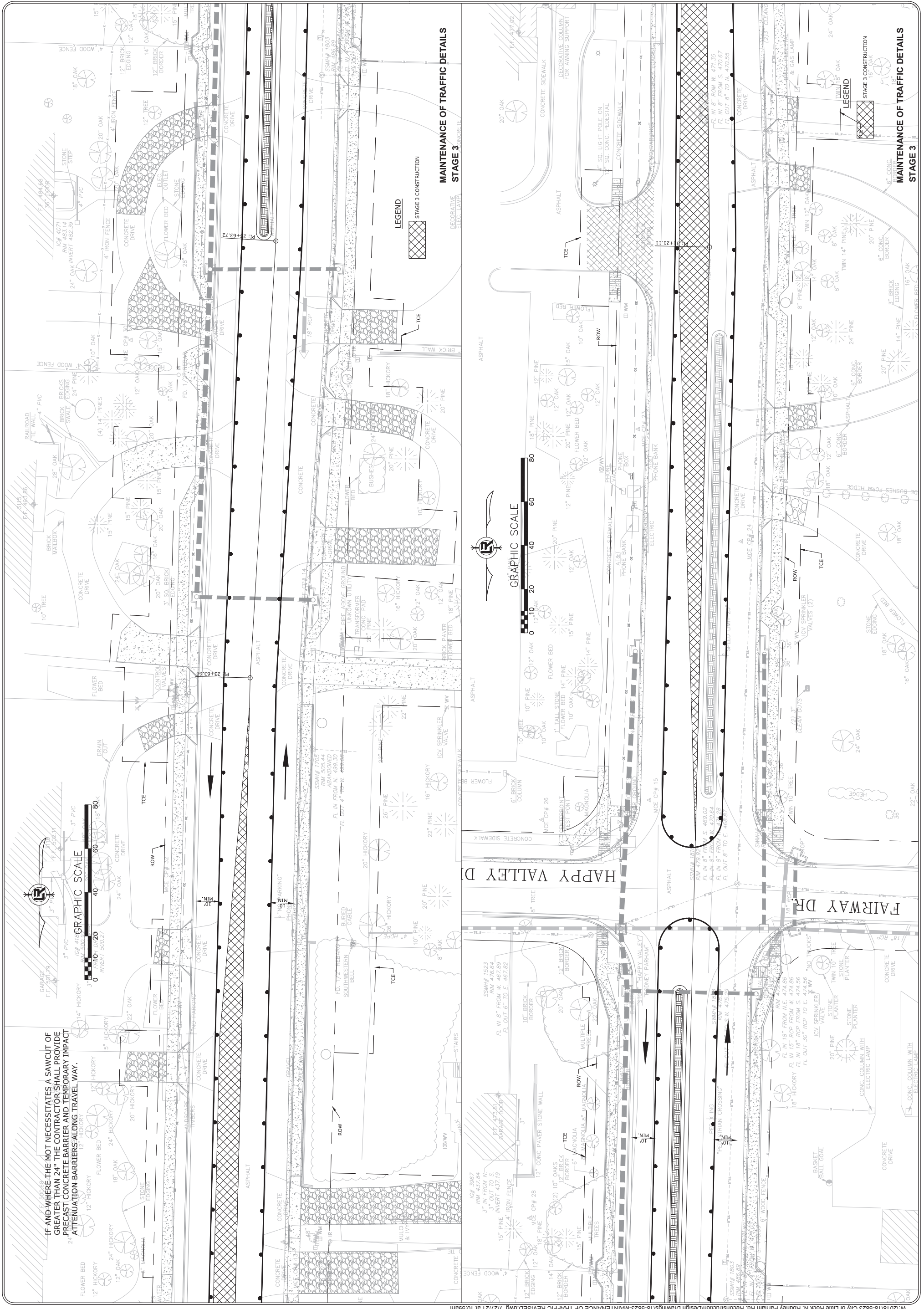
CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 3

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



STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 No. 111,355
 TRAVIS LUTTREY

DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C46



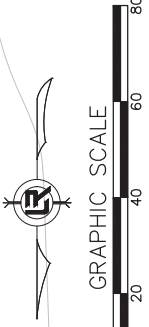
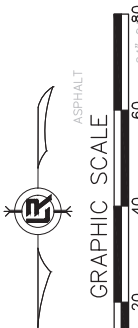
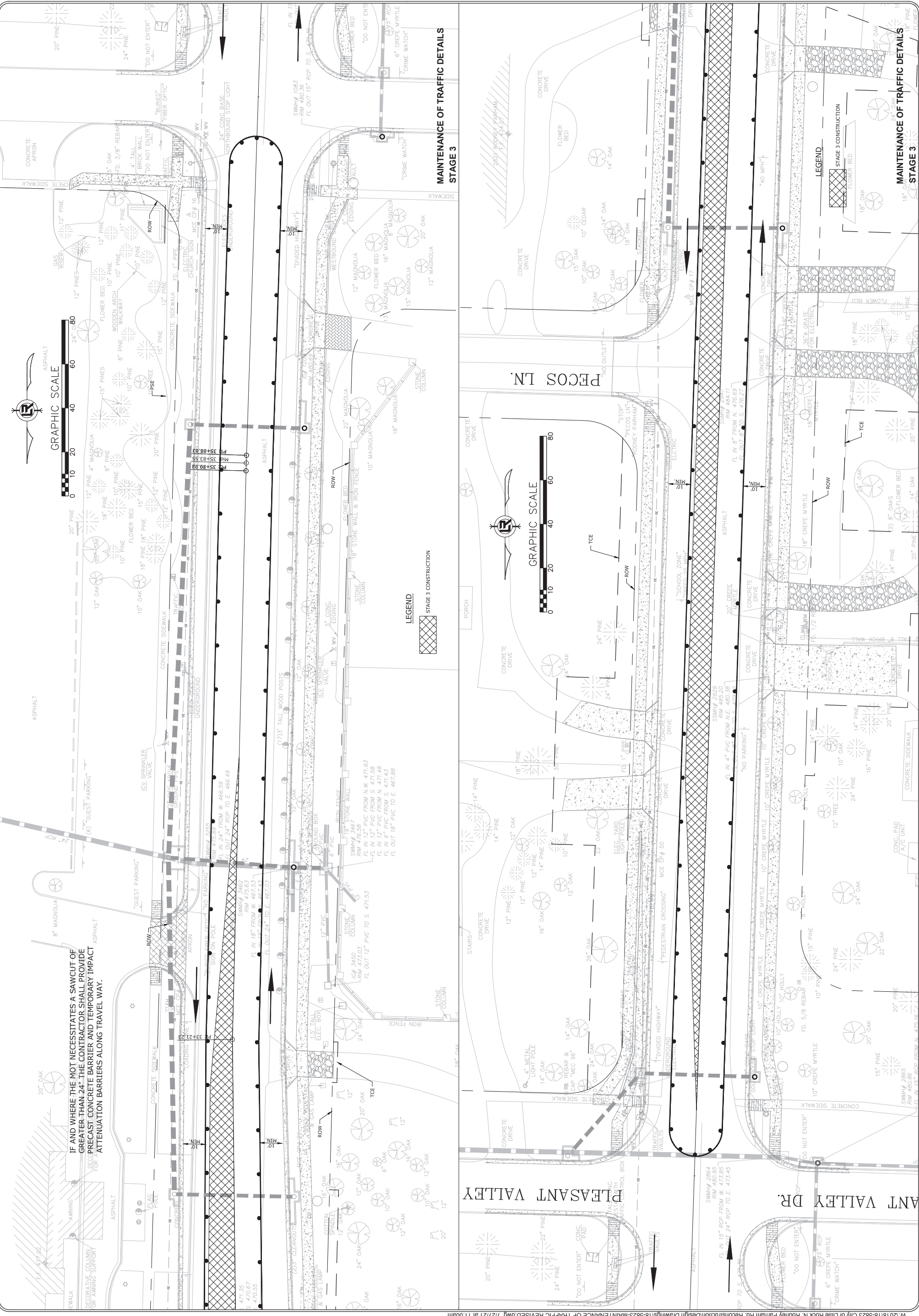
REVISIONS	DATE
ADDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 3

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

STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 No. 117,335
 R. G. GUTENBERG

DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C47




IF AND WHERE THE MOT NECESSITATES A SAWCUT OF GREATER THAN 24", THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.

REVISIONS	DATE
ADDENDUM 3	

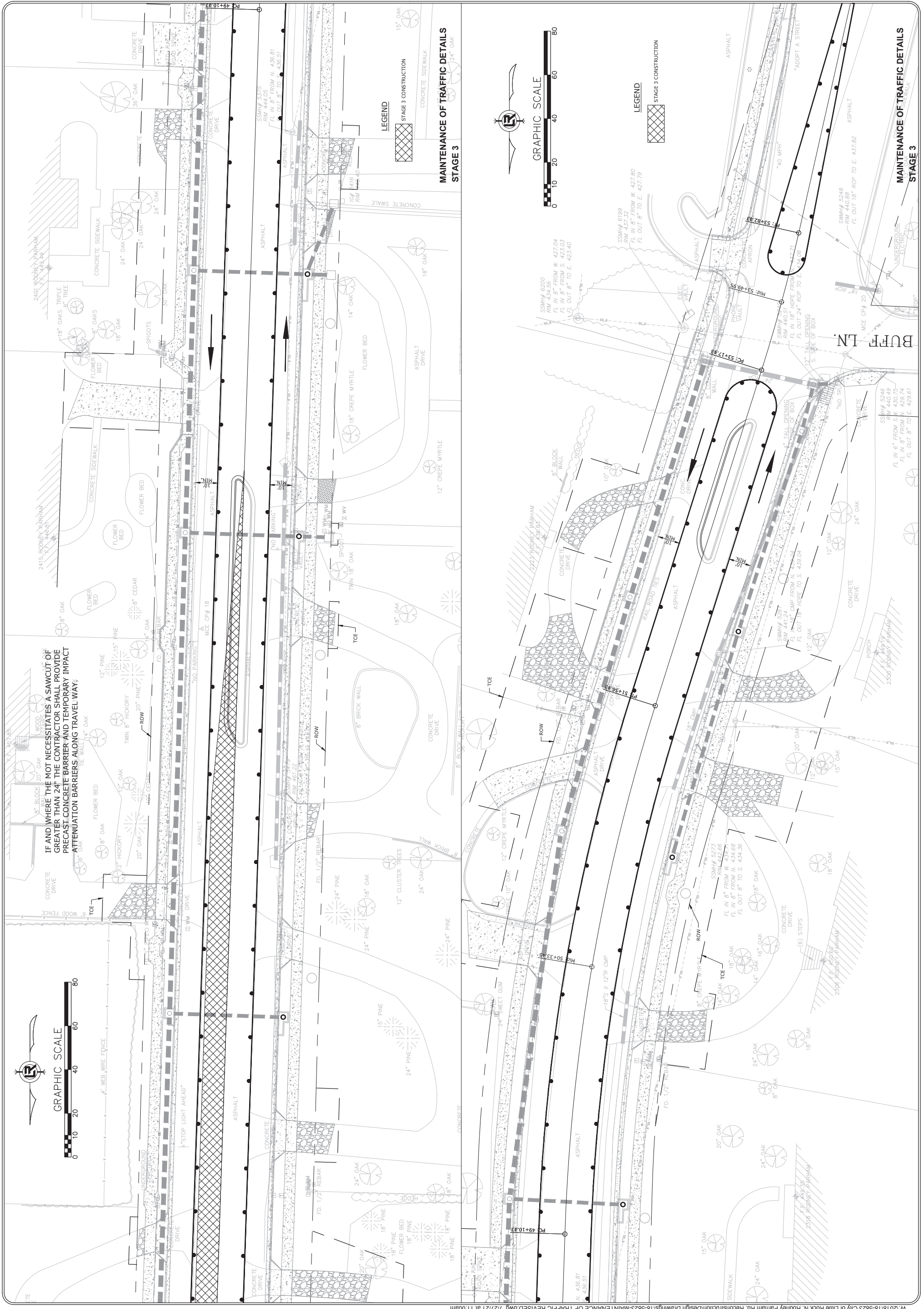
CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 3

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

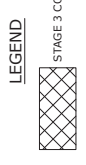
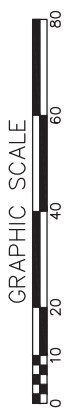


STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 No. 17,155
 C. LUTERBACH

DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C48



MAINTENANCE OF TRAFFIC DETAILS
 STAGE 3




MAINTENANCE OF TRAFFIC DETAILS
 STAGE 3

REVISIONS	DATE
ADDENDUM 3	

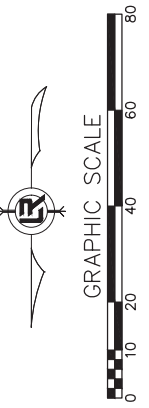
CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 3

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



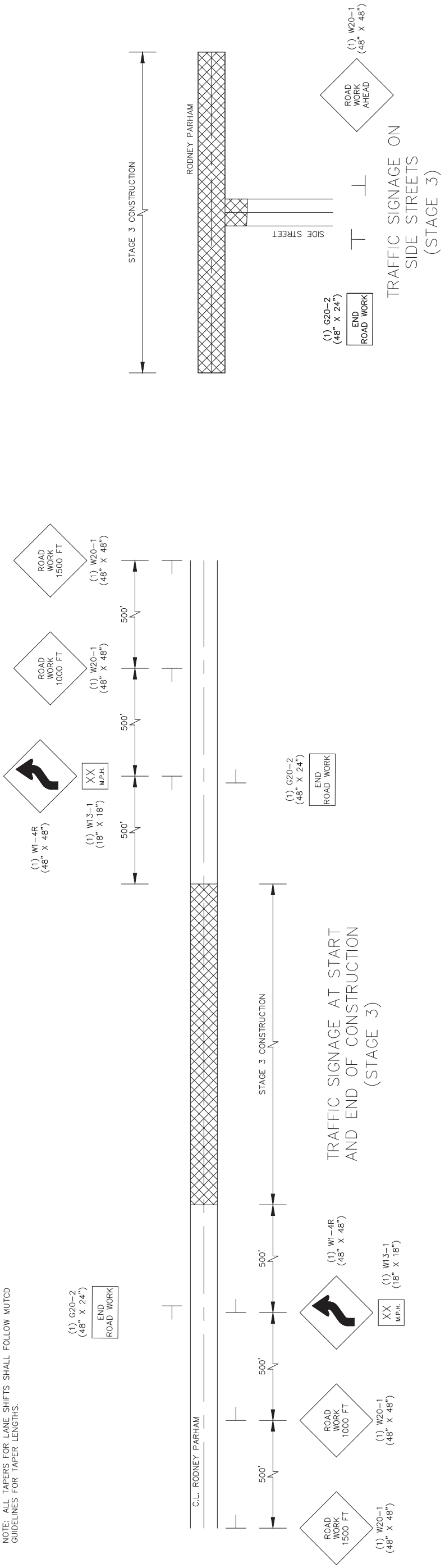

DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C49

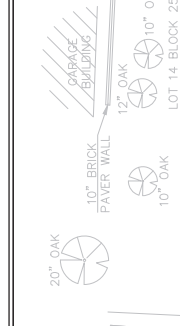
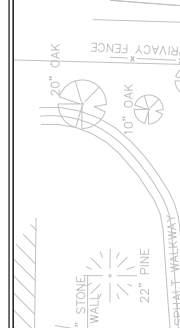
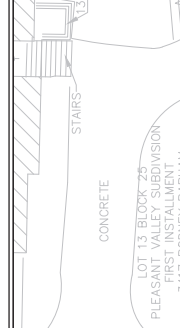
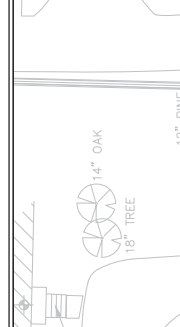
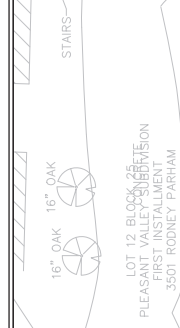
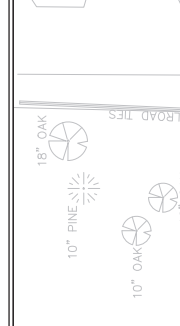
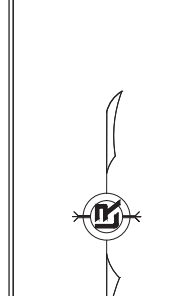
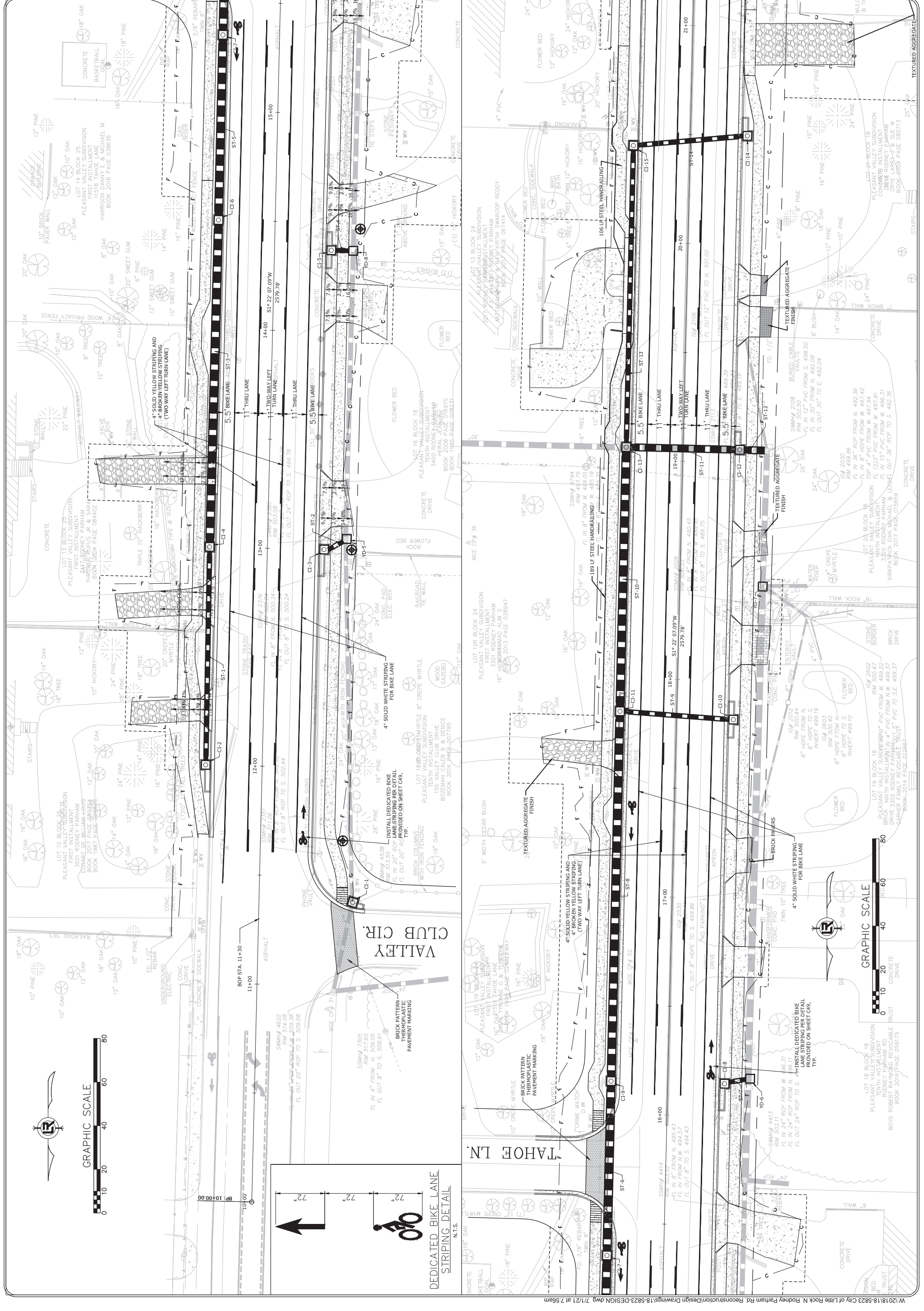
IF AND WHERE THE MOT NECESSITATES A SAWCUT OF GREATER THAN 24" THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.



MAINTENANCE OF TRAFFIC DETAILS
 STAGE 3

NOTE: ALL TAPERS FOR LANE SHIFTS SHALL FOLLOW MUTCD GUIDELINES FOR TAPER LENGTHS.





REVISIONS	DATE

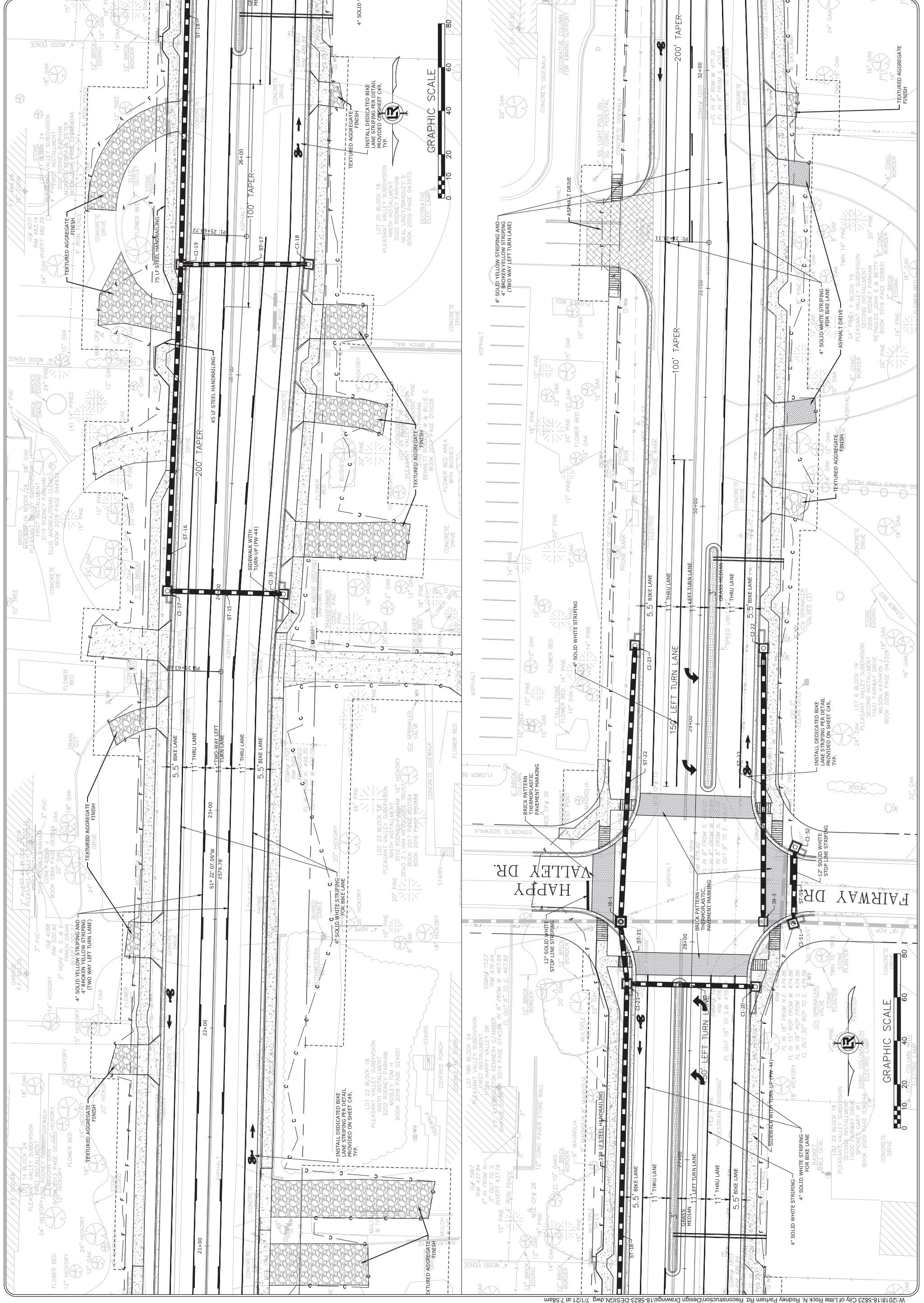
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
STRIPING PLAN

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



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
MK	
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C50

W:\2018\18-823-City of Little Rock N. Rodney Parham Rd. Reconstruction\Design Drawings\18-823-DESIGN.dwg 7/12/21 at 17:56am



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
STRIPING PLAN


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




DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
MK	CGS
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C51

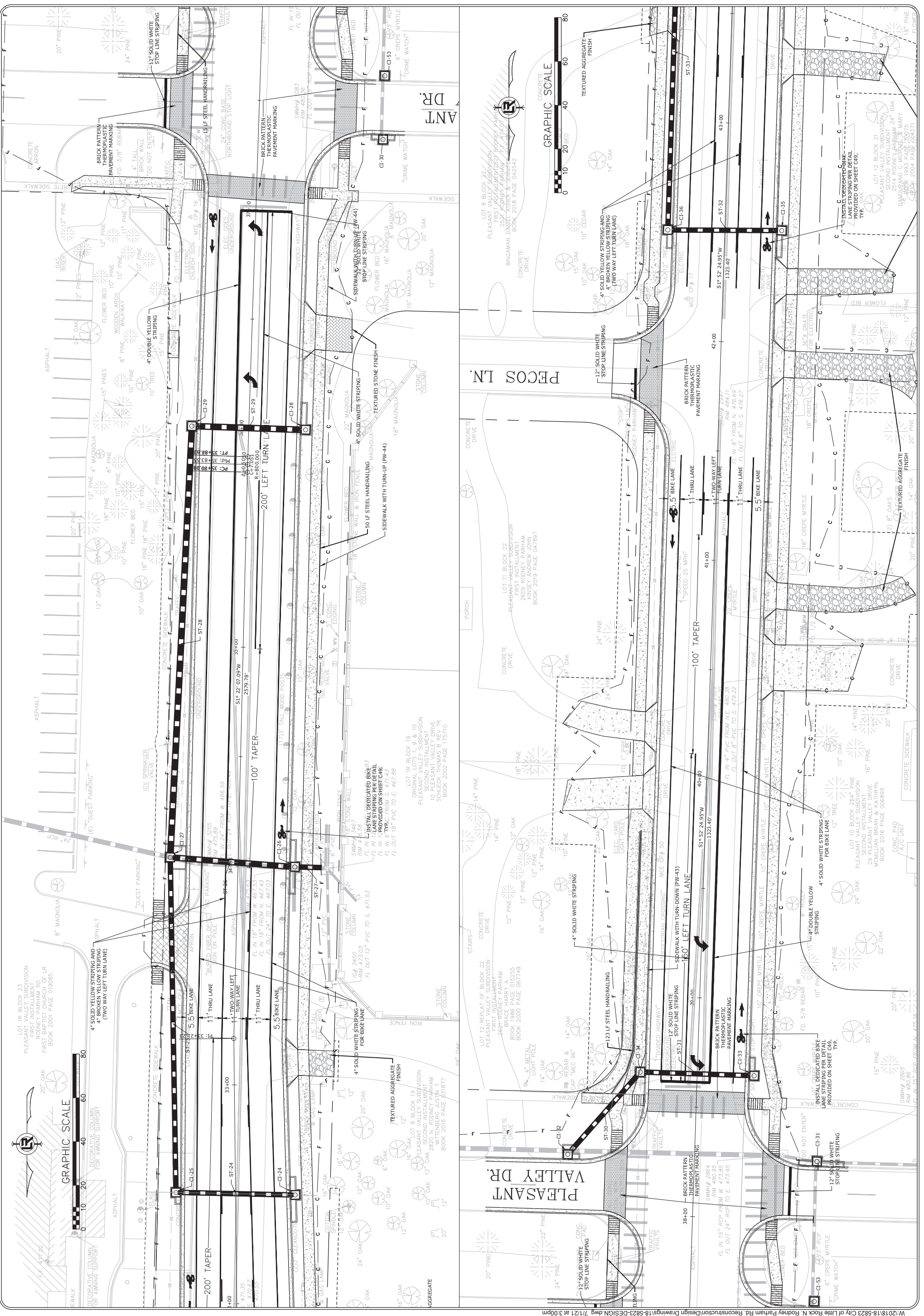
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
STRIPING PLAN


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



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-20
SHEET NO.	C52





REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
STRIPING PLAN

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

SAIRI M. GUTHER
 LICENSED PROFESSIONAL ENGINEER
 STATE OF ARKANSAS
 LICENSE NO. 17435

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C53

LOT 7 BLOCK 22
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 2510 HIDDEN VALLEY DR THOMAS
 WALTER CLAYTON & SONS
 BOOK 2013 PAGE 034723

LOT 5 BLOCK 22
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 2415 RODNEY PARHAM
 WALTER CLAYTON & SONS
 BOOK 2013 PAGE 034687

LOT 4 BLOCK 22
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 2400 RODNEY PARHAM
 WALTER CLAYTON & SONS
 BOOK 2013 PAGE 032625

LOT 14 BLOCK 21
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2439 RODNEY PARHAM
 BUMPAS WRIGHT & ROBERT RAYMOND CO-TRUST
 CONCRETE BOOK 2018 PAGE 022596

LOT 15 BLOCK 21
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2404 RODNEY PARHAM
 WOODS EDWARD & BILLIE SANDERS
 BOOK 2017 PAGE 066304

LOT 16 BLOCK 21
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2415 RODNEY PARHAM
 WALTER CLAYTON & SONS
 BOOK 2013 PAGE 034723

LOT 18 BLOCK 21
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2406 RODNEY PARHAM
 WALTER CLAYTON & SONS
 BOOK 2013 PAGE 034723

LOT 3 BLOCK 22
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 2510 HIDDEN VALLEY DR THOMAS
 WALTER CLAYTON & SONS
 BOOK 2013 PAGE 034723

LOT 4 BLOCK 22
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 2400 RODNEY PARHAM
 WALTER CLAYTON & SONS
 BOOK 2013 PAGE 032625

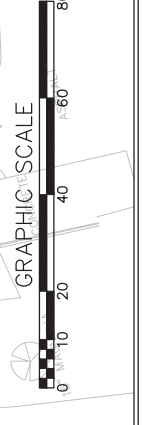
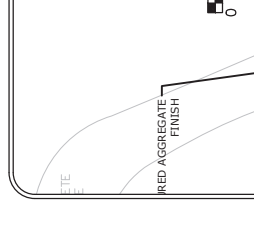
LOT 5 BLOCK 22
 PLEASANT VALLEY SUBDIVISION
 FIRST INSTALLMENT
 2415 RODNEY PARHAM
 WALTER CLAYTON & SONS
 BOOK 2013 PAGE 034687

LOT 14 BLOCK 21
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2439 RODNEY PARHAM
 BUMPAS WRIGHT & ROBERT RAYMOND CO-TRUST
 CONCRETE BOOK 2018 PAGE 022596

LOT 15 BLOCK 21
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2404 RODNEY PARHAM
 WOODS EDWARD & BILLIE SANDERS
 BOOK 2017 PAGE 066304


LOT 16 BLOCK 21
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2415 RODNEY PARHAM
 WALTER CLAYTON & SONS
 BOOK 2013 PAGE 034723

LOT 18 BLOCK 21
 PLEASANT VALLEY SUBDIVISION
 SECOND INSTALLMENT
 2406 RODNEY PARHAM
 WALTER CLAYTON & SONS
 BOOK 2013 PAGE 034723

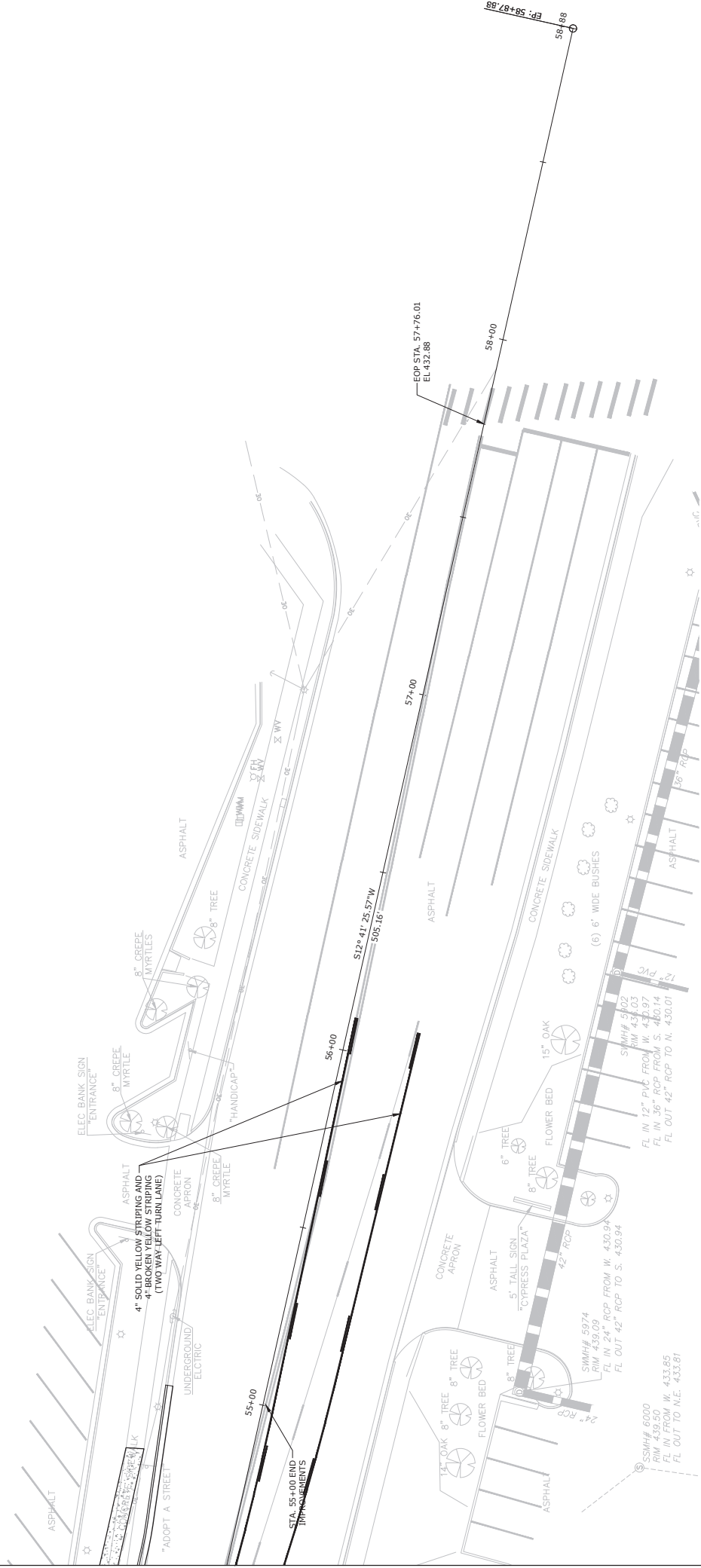


REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
STRIPING PLAN


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

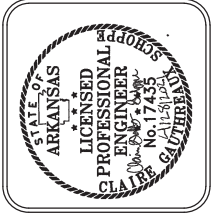
DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
DATE	01/31/2020
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C54



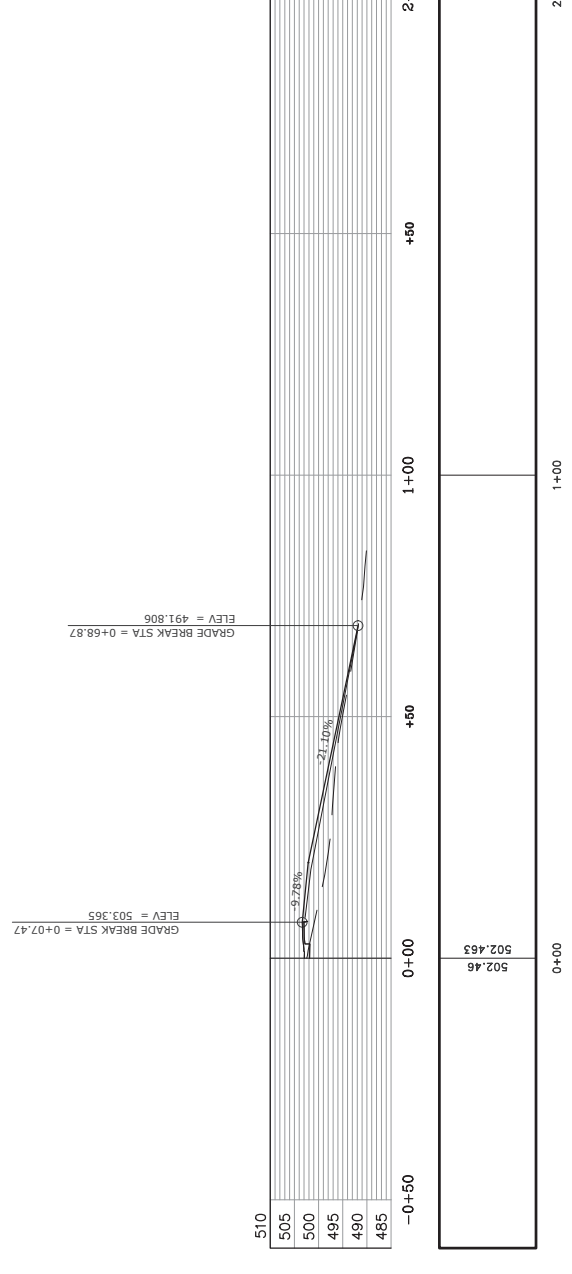
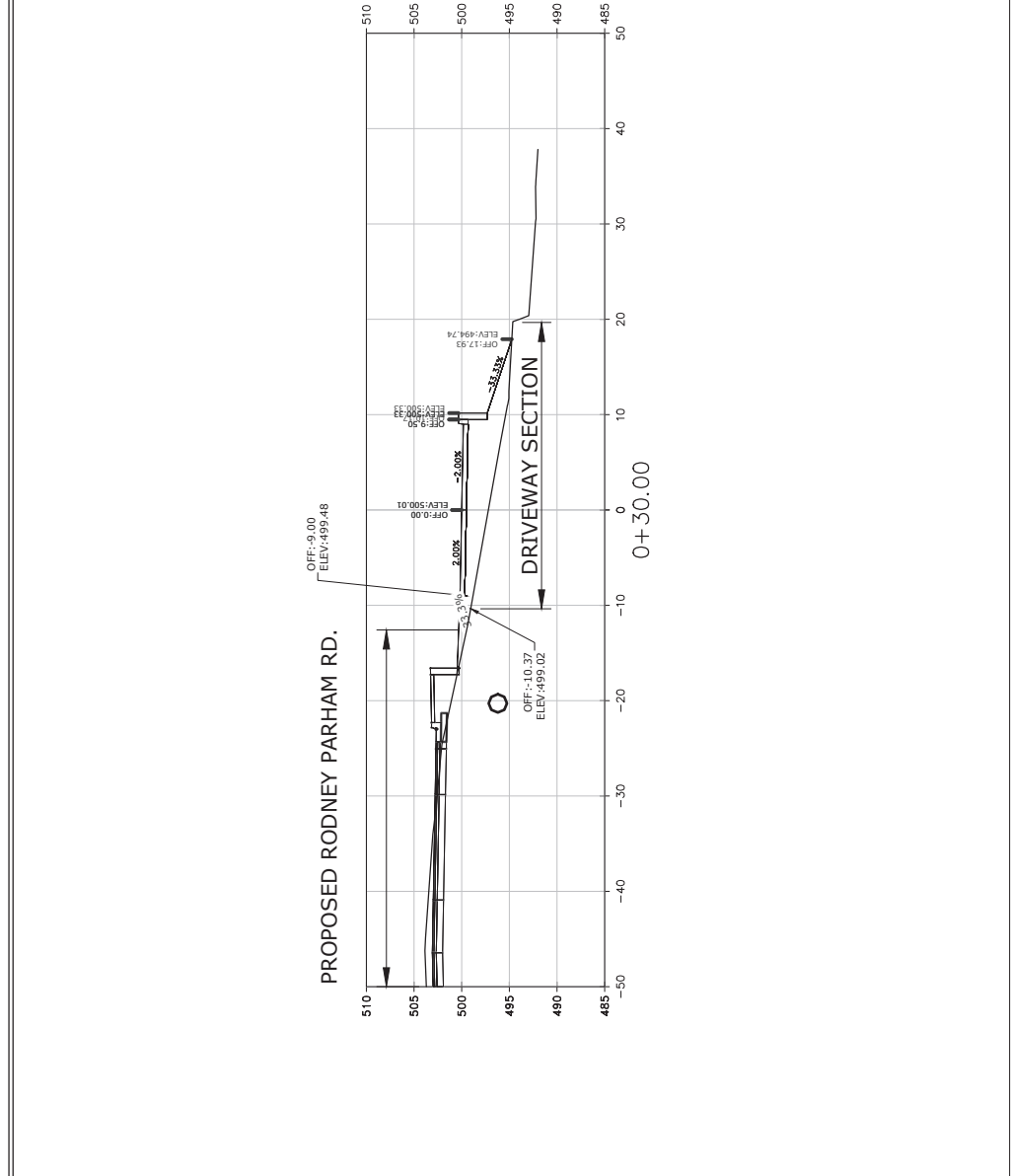
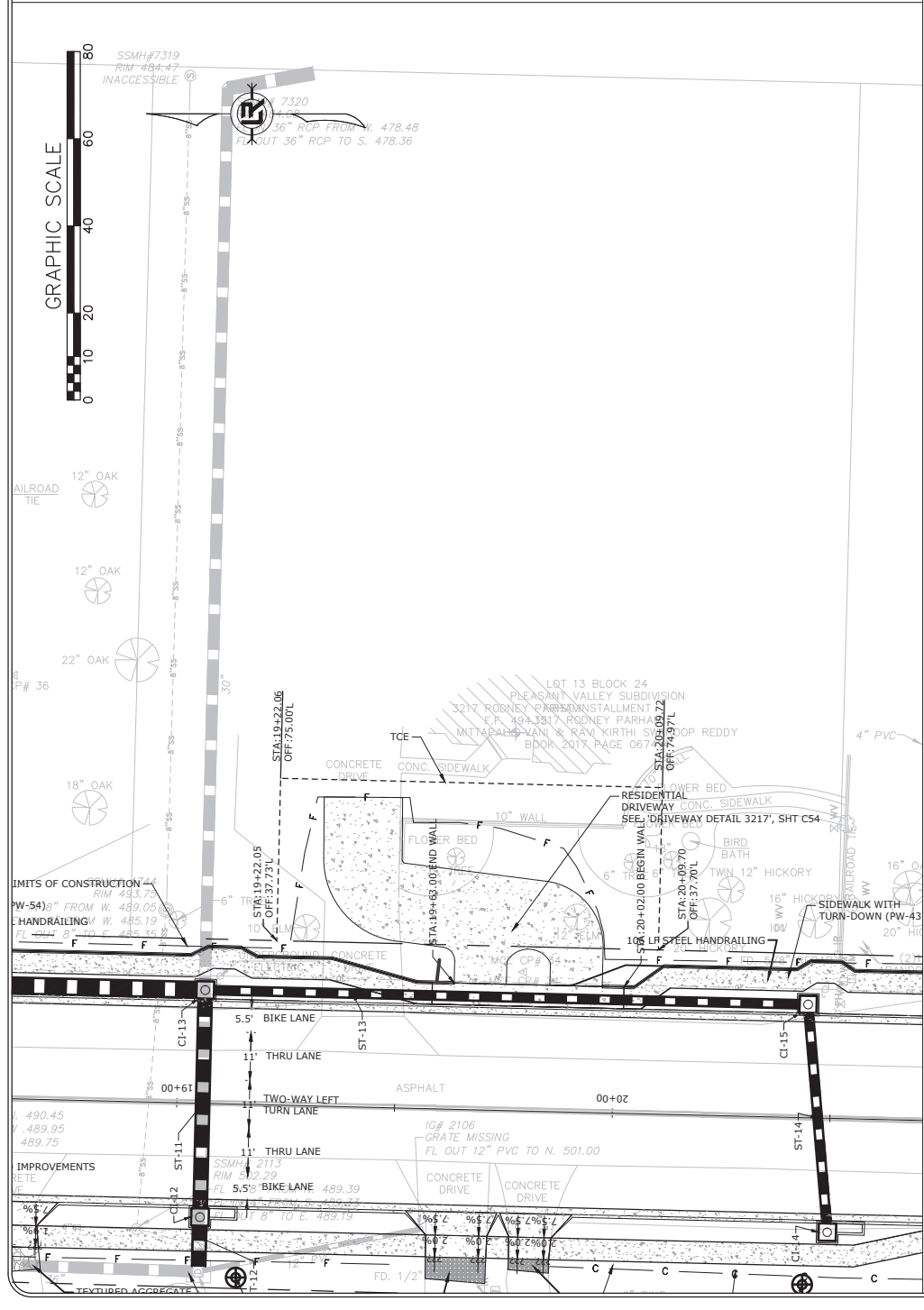
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
DRIVEWAY DETAIL 3217

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



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	01/31/2020
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C55



Drive 3217

W:\2018\18-5823 City of Little Rock N. Rodney Parham Rd. Reconstruction\Design Drawings\18-5823-DESIGN.dwg 4/30/21 at 11:42am

TRAFFIC SIGNAL NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NFPA 70 (CURRENT EDITION) NATIONAL ELECTRICAL CODE, NFPA 101 (CURRENT EDITION) LIFE SAFETY CODE, STATE ELECTRICAL CODE AND LOCAL ELECTRICAL CODE.
- EXTEND GREEN EQUIPMENT GROUNDING CONDUCTOR (E.G.C.) FROM GROUND BAR AT MAIN BREAKER TO CONTROL PANEL AND TO FIRST POLE. SOLIDLY BOND E.G.C. TO GROUND LUG OF CONTROL CABINET AND TO POLE GROUND. ENSURE THAT ONLY ONE NEUTRAL-TO-GROUND BOND EXISTS IN THE SYSTEM AND THAT IT IS AT THE MAIN BREAKER.
- ELECTRICAL SERVICE SHALL BE PROVIDED BY THE CITY/COUNTY TO A SERVICE POLE WITH EXTERNAL RAINTIGHT BREAKER (MAIN BREAKER), GALVANIZED STEEL SERVICE RISER, METER LOOP (IF REQUIRED), AND WEATHERHEAD AT A MUTUALLY ACCEPTABLE POINT WITHIN THE RIGHT-OF-WAY. IF THE SERVICE POINT IS OVER 10 FEET FROM THE CONTROLLER, THE CONTRACTOR SHALL PROVIDE AND INSTALL A SEPARATE TWO CIRCUIT EXTERNAL BREAKER (SECONDARY BREAKER) ON OR NEAR THE TRAFFIC SIGNAL CONTROLLER CABINET AND SHALL INSTALL CONDUIT, ELECTRICAL SERVICE WIRE (2x#6 A.W.G. USE RATED WITH GROUND TYPICAL), AND PERFORM WIRING TO TAP INTO THE CITY'S/COUNTY'S MAIN BREAKER AS PART OF THIS CONTRACT. CONDUIT IS PAID FOR AS A SEPARATE ITEM OF THIS CONTRACT. TWO CIRCUIT BREAKERS, CONSIDERED SUBSIDIARY TO THE CONTROL EQUIPMENT, ARE NEEDED WHERE STREET LIGHTING IS INCLUDED. AS PART OF THE SIGNAL INSTALLATION, STREET LIGHTING CIRCUIT (2x#12 A.W.G. UF RATED, TYPICAL) SHALL BE KEPT FROM THE CIRCUIT SERVING THE TRAFFIC SIGNAL CONTROL EQUIPMENT FROM THE POINT OF TIE-IN AT THE SECONDARY BREAKER PROVIDED BY THE CONTRACTOR.
- CONTRACTOR SHALL CONNECT A SEPARATE NEUTRAL FOR EACH LOAD SWITCH REPRESENTED ON EACH SIGNAL POLE.
- TRAFFIC CONTROLLER CABINET AND LAYOUT SHALL BE SUCH THAT IT IS NOT NECESSARY TO SHUT DOWN POWER OR REMOVE LOAD SWITCHES IN ORDER TO EASILY TEST OR MODIFY DETECTOR INPUTS TO THE CONTROLLER.
- CONTROLLER CABINET SHALL BE WIRED SUCH THAT DURING FLASH OPERATIONS POWER TO THE LOAD SWITCHES CANNOT BACKFEED TO LOAD SWITCH POWER BUSS.
- ALL PARTS OF THIS INSTALLATION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, STANDARD DRAWINGS AND WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
- CONDUIT INSTALLED UNDER ROADWAY SURFACES SHALL BE INSTALLED BY PUSHING OR BORING METHODS. IF THE ENGINEER DETERMINES THIS IS NOT FEASIBLE, THEN A TRENCHING METHOD AS SHOWN IN THE STANDARD DRAWINGS MAY BE USED.
- TRAFFIC SIGNAL POLES SHALL BE GALVANIZED. BACKPLATES SHALL BE SUPPLIED FOR ALL SIGNAL HEADS.
- PAVEMENT MARKING SHOWN FOR REFERENCE ONLY. SEE PERMANENT PAVEMENT MARKING DETAILS.
- FOUNDATION FOR ALL POLES SHALL BE EXTENDED IF NECESSARY TO ACCOMMODATE THE REQUIREMENTS FOR SIGNAL HEAD CLEARANCE ABOVE ROADWAY ONLY AT LOCATIONS WHERE THE GROUND ELEVATION AT THE POLE IS BELOW THE ELEVATION OF THE ROADWAY (SEE NOTES ON STANDARD DRAWING). PAYMENT WILL BE INCLUDED IN SECTION 714 TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.
- ALL CONCRETE PULL BOXES SHALL BE (TYPE 2 HD) UNLESS OTHERWISE INDICATED. ALL CONDUIT SHALL BE THREE (3") INCH DIAMETER UNLESS SPECIFIED ON PLANS.
- CONTRACTOR SHALL NOTIFY ALL EXISTING UTILITY OWNERS BEFORE BEGINNING WORK ON THIS PROJECT.
- LED LUMINAIRE ASSEMBLIES SHALL HAVE A BUG RATING OF U0.
- THROUGH WIRE INPUTS MAY BE DETERMINED BY SUPPLIER. EACH DETECTOR OUTPUT SHALL INPUT THE CONTROLLER THROUGH A SEPARATE INPUT UNLESS OTHERWISE NOTED AND BE PROGRAMMED TO ACTUATE THE ASSOCIATED PHASE. COMBINATION (COMB.) DETECTORS SHALL ALSO BE PROGRAMMED TO PROVIDE VEHICLE COUNT/OCCUPANCY DATA.
- THE LOCAL RADIO WITH ANTENNA SHALL BE COMPATIBLE WITH THE EXISTING CLOSED LOOP COORDINATION SYSTEM IN THE CITY/COUNTY.
- TO DETERMINE UTILITY CLEARANCES ABOVE THE TRAFFIC SIGNAL POLE, REFER TO THE POLE SCHEDULE FOR VERTICAL SHAFT HEIGHT. WHERE THE POLE SCHEDULE INDICATES THAT A LUMINAIRE ARM WILL BE USED, THIRTY-EIGHT (38) FEET SHOULD BE USED TO DETERMINE UTILITY CLEARANCE ABOVE THE LUMINAIRE ARM. WHERE THE POLE SCHEDULE INDICATES A TRAFFIC SIGNAL POLE WITHOUT A LUMINAIRE ARM, A HEIGHT OF TWENTY-ONE (21) FEET SHOULD BE USED TO DETERMINE UTILITY CLEARANCE ABOVE THE TRAFFIC SIGNAL MAST ARM. AN ADDITIONAL SIX (6) FEET SHOULD BE USED DIRECTLY ABOVE "VIDEO DETECTOR" AT LOCATIONS SHOWN ON THE SIGNAL PLANS.
- THE DESIRABLE MINIMUM DISTANCE FROM THE FACE OF ROADWAY CURB OR SHOULDER EDGE TO THE FACE OF NON-BREAKAWAY POLE OR OBSTRUCTION IS SIX (6) FEET. REFER TO TRAFFIC SIGNAL PLANS FOR SPECIFIC LOCATION OF POLES, CONTROLLER AND ANY OTHER NON-BREAKAWAY OBSTRUCTIONS. REFER TO DESIGN PARAMETERS, MINIMUM CLEAR ZONE DISTANCE FOR MINIMUM DISTANCE FROM THE EDGE OF TRAVELED WAY TO THE FACE OF A NON-BREAKAWAY POLE OR OBSTRUCTION. TRAFFIC SIGNAL POLES OR ANY OTHER NON-BREAKAWAY OBSTRUCTION SHALL NOT BE INSTALLED WITHIN THE CLEAR ZONE.
- AS DETERMINED BY THE ENGINEER, FOUNDATION EMBEDMENT MAY BE DECREASED BY A MAXIMUM OF TWO FEET IF COMPETENT ROCK IS ENCOUNTERED PRIOR TO ACHIEVING PLAN EMBEDMENT AND AT LEAST HALF OF THE REMAINING PLAN EMBEDMENT LENGTH IS KEYS INTO COMPETENT ROCK.
- CONNECTION OF TRAFFIC SIGNAL DISPLAY TO FIELD WIRING SHALL UTILIZE AN APPROVED TERMINAL STRIP BEHIND HAND-HOLE COVER AT BASE OF POLE. TERMINAL STRIP SHALL PROVIDE PROTECTION TO PREVENT EXPOSURE TO THE PUBLIC IN THE EVENT THAT POLE COVER IS MISSING. PAYMENT FOR TERMINAL STRIPS SHALL BE INCLUDED IN ITEM 714 TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.

- CONTROLLER CABINET LAYOUT AND ORIENTATION SHALL CONFORM TO IMSA STANDARDS.
- ONE VIDEO PROGRAMMING MODULE SHALL BE PROVIDED FOR AIMING AND SETUP OF DETECTORS IF THE VIDEO SYSTEM CANNOT BE ADJUSTED THROUGH HARDWARE AND SOFTWARE PROVIDED BY ITEMS WITHIN THE JOB.
- TRAFFIC SIGNAL CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OR ASSIGNED DEPARTMENT PROJECT INSPECTOR EACH DAY PRIOR TO SIGNAL RELATED WORK. NO WORK ON TRAFFIC SIGNALS WILL BE ALLOWED OR APPROVED WITHOUT THIS PRIOR NOTIFICATION.
- ALL STEEL POLES SHALL BE DESIGNED TO MEET THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4th EDITION (2001) WITH 2003 AND 2008 INTERIMS.
- DOOR PANEL TEST PUSH BUTTONS SHALL ACTUATE INDICATED PHASES. DETECTOR ASSIGNMENTS AND/OR SIDE PANEL JUMPERS MAY REQUIRE MODIFICATION.
- ALL SYSTEM DETECTOR RACKS AND ASSOCIATED EQUIPMENT SHALL BE PROTECTED BY THE MAIN CONTROLLER CABINET POWER SURGE PROTECTION.
- IN PULL BOXES, POLE BASES, JUNCTION BOXES AND CONTROLLER CABINETS, THE DIRECTION OF EACH CABLE RUN SHALL BE INDICATED BY ATTACHING A PERMANENT TAG OF RIGID PLASTIC OR NON-FERROUS METAL TO THE CONDUIT. TAGS SHALL BE EMBOSSED, STAMPED OR ENGRAVED WITH LETTERS 1/4" OR GREATER IN HEIGHT AND SECURED TO THE CONDUIT WITH NYLON OR PLASTIC TIES. IN INSTANCES WHERE THE CONDUIT OR CONDUIT ENTRANCES ARE NOT VISIBLE OR ACCESSIBLE, A DIRECTION TAG SHALL BE ATTACHED TO EACH CABLE.
- THE CONTRACTOR SHALL PERFORM ALL WORK POSSIBLE THAT WILL MINIMIZE THE TIME THAT THE TRAFFIC SIGNAL IS OUT OF OPERATION. IF, IN THE OPINION OF THE ENGINEER, TRAFFIC CONDITIONS WARRANT THE CONTRACTOR SHALL PROVIDE FLAGMEN TO DIRECT TRAFFIC WHILE THE TRAFFIC SIGNAL IS OUT OF OPERATION.
- ALL NON-METALLIC CONDUIT RUNS SHALL HAVE BELL RING FITTINGS INSTALLED ON THE TERMINATING ENDS OF THE CONDUIT. THIS INCLUDES PULL BOXES, POLE BASES, AND TRAFFIC SIGNAL CABINETS.
- ALL CONCRETE PULL BOXES SHALL BE SET ON A GRAVEL OR CRUSHED STONE BEDDING AS SPECIFIED IN SECTION 711, CONCRETE PULL BOX, OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014.

TRAFFIC SIGNAL QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
SP & 701	ACTUATED CONTROLLER TS2-TYPE 2 (8 PHASES)	1	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	6	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	4	EACH
SP & 707	COUNTDOWN PEDESTRIAN SIGNAL HEAD, LED	12	EACH
708	TRAFFIC SIGNAL CABLE (6C/14 A.W.G.)	1500	LIN. FT.
708	TRAFFIC SIGNAL CABLE (6C/14 A.W.G.)	18	LIN. FT.
708	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	220	LIN. FT.
708	TRAFFIC SIGNAL CABLE (20C/14 A.W.G.)	583	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/8 A.W.G., E.G.C.)	522	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/12 A.W.G., E.G.C.)	397	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (2C/6 A.W.G.)	28	LIN. FT.
709	GALVANIZED STEEL CONDUIT (1.25")	28	LIN. FT.
710	NON-METALLIC CONDUIT (2")	372	LIN. FT.
710	NON-METALLIC CONDUIT (3")	474	LIN. FT.
711	CONCRETE PULL BOX (TYPE 2 HD)	8	EACH
SS & 715	TRAFFIC SIGNAL PEDESTAL POLE WITH FOUNDATION	5	EACH
SP	SERVICE POINT ASSEMBLY (2 CIRCUITS) TESCO PEDESTAL	1	EACH
SP	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	1.00	LUMP SUM
733	RADAR CABLE	850	LIN. FT.
733	WAVE TRONIX RADAR DETECTOR	4	EACH
SP & 733	RADAR PROCESSOR	1	EACH

* ONE SPARE RADAR DETECTOR SHALL BE SUPPLIED

REVISIONS	DATE
ADDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 SIGNALIZATION PLANS

(N. RODNEY PARHAM RD. AT PLEASANT VALLEY DR.)

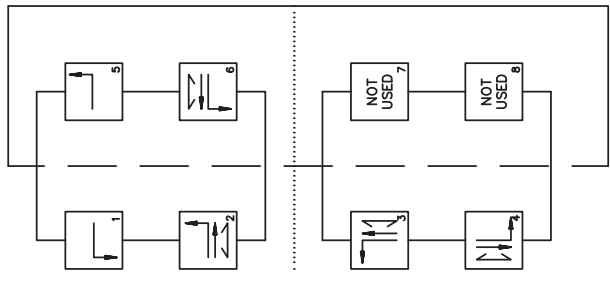


DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201

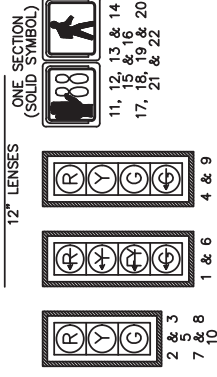


DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	APRIL 2021
SCALE	1"=30'
PROJECT NO.	04-17-ST-202
SHEET NO.	C56

PHASING DIAGRAM



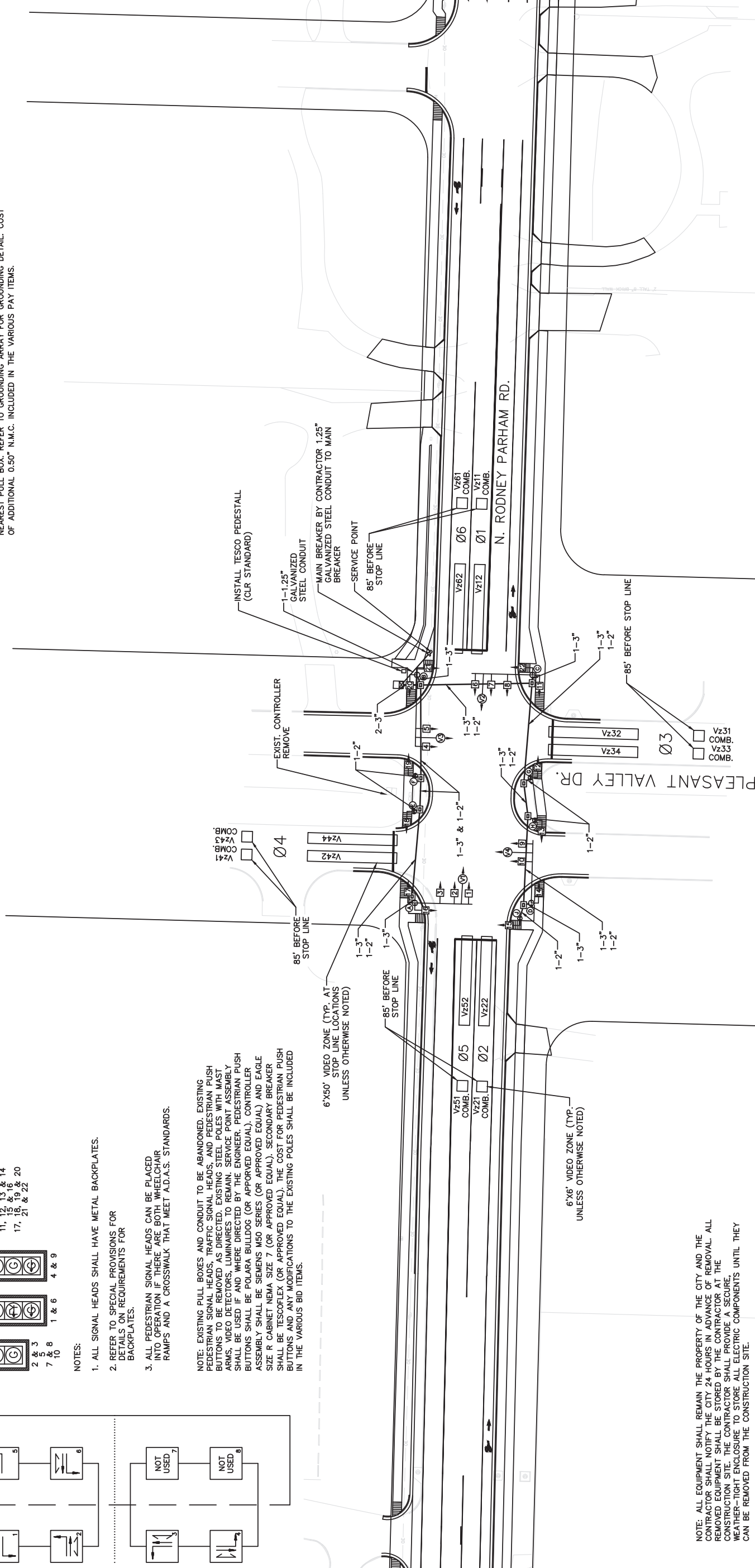
SIGNAL FACES



NOTES:

1. ALL SIGNAL HEADS SHALL HAVE METAL BACKPLATES.
 2. REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 3. ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEET A.D.A.S. STANDARDS.
- NOTE: EXISTING PULL BOXES AND CONDUIT TO BE ABANDONED. EXISTING PEDESTRIAN SIGNAL HEADS, TRAFFIC SIGNAL HEADS, AND PEDESTRIAN PUSH BUTTONS TO BE REMOVED AS DIRECTED. EXISTING STEEL POLES WITH MAST ARMS, VIDEO DETECTORS, LUMINAIRES TO REMAIN. SERVICE POINT ASSEMBLY SHALL BE USED IF AND WHERE DIRECTED BY THE ENGINEER. PEDESTRIAN PUSH BUTTONS SHALL BE POLARA BULLDOG (OR APPROVED EQUAL). CONTROLLER ASSEMBLY SHALL BE SIEMENS M50 SERIES (OR APPROVED EQUAL) AND EAGLE SIZE R CABINET NEMA SIZE 7 (OR APPROVED EQUAL). SECONDARY BREAKER SHALL BE TESCOFLEX (OR APPROVED EQUAL). THE COST FOR PEDESTRIAN PUSH BUTTONS AND ANY MODIFICATIONS TO THE EXISTING POLES SHALL BE INCLUDED IN THE VARIOUS BID ITEMS.

NOTE: ADDITIONAL 0.50" N.M.C. REQUIRED FROM POLE AND CONTROLLER TO NEAREST PULL BOX. REFER TO GROUNDING ARRAY FOR GROUNDING DETAIL. COST OF ADDITIONAL 0.50" N.M.C. INCLUDED IN THE VARIOUS PAY ITEMS.



N. RODNEY PARHAM RD./PLEASANT VALLEY DR.

POLE	MAST ARM	* MAST ARM ANGLE	VERT. SHAFT	LUM. ARM	* LUM. ANGLE
A	**	**	**	**	**
B	**	**	**	**	**
C	**	**	**	**	**
D	**	**	**	**	**
E	N/A	N/A	12'	N/A	N/A
F	N/A	N/A	12'	N/A	N/A
G	N/A	N/A	12'	N/A	N/A
H	N/A	N/A	12'	N/A	N/A
J	N/A	N/A	12'	N/A	N/A

* ANGLE MEASURED CLOCKWISE FROM HAND HOLE.
** USE EXISTING

N. RODNEY PARHAM RD./PLEASANT VALLEY DR.

POLE	LOCATION & STATION	OFFSET	X, Y COORDINATES
A	37+18.97	30' LT.	1191600.52, 162164.17
B	38+46.55	33' LT.	1191599.27, 162036.56
C	38+48.63	32' RT.	1191534.65, 162036.60
D	37+12.25	29' RT.	1191541.74, 162172.82
E	37+70.04	32' LT.	1191600.95, 162113.06
F	37+90.14	32' LT.	1191600.29, 162092.97
G	37+91.10	32' RT.	1191535.90, 162094.12
H	37+67.32	36' RT.	1191533.35, 162117.99
J	37+12.25	29' RT.	1191541.74, 162172.82

LEGEND

- ☐ TYPE 2 HD PULL BOX
- ☒ CONTROLLER CABINET
- ⊕ SIGNAL HEAD
- ⊕ EXISTING VIDEO DETECTOR
- ⊕ SIGNAL POLE, MAST ARM AND LUMINAIRE ARM
- N.M.C. - NON METALLIC CONDUIT

DESIGN PARAMETERS

- POSTED SPEED LIMIT
- 35 MPH NORTH APPROACH
- 35 MPH SOUTH APPROACH
- 35 MPH EAST APPROACH
- 35 MPH WEST APPROACH
- NO BUS STOPS
- NO RAILROAD TRACKS
- NO PARKING
- NO FIRE STATION



GRAPHIC SCALE



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
SIGNALIZATION PLANS
(N. RODNEY PARHAM RD. AT PLEASANT VALLEY DR.)

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




DRAWN BY: RNB
DESIGNED: RNB
CHECKED: MK
DATE: APRIL 2021
SCALE: 1"=30'
PROJECT NO.: 04-17-ST-202
SHEET NO.: C57

REVISIONS	DATE

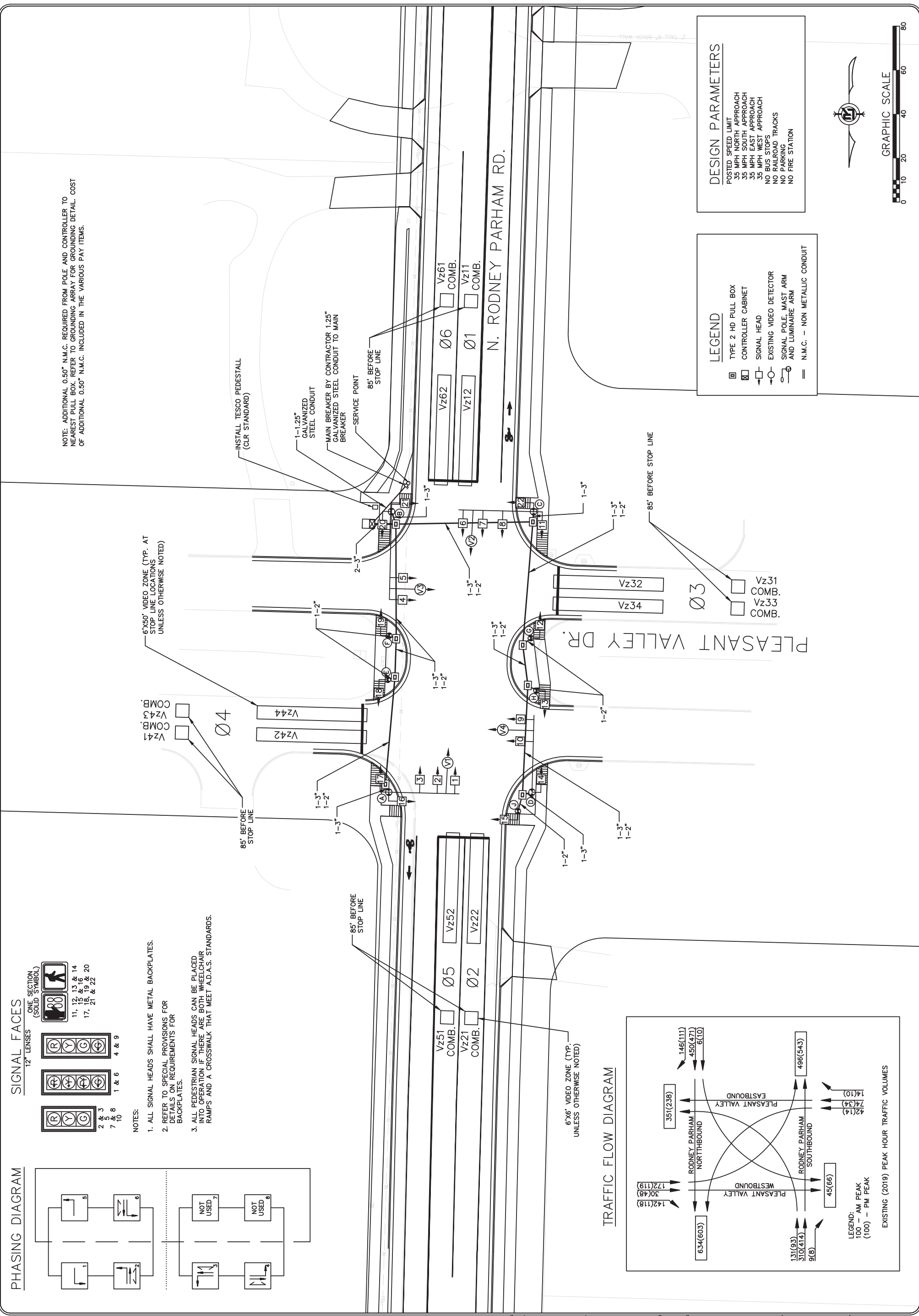
CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 SIGNALIZATION PLANS
 (N. RODNEY PARHAM RD. AT PLEASANT VALLEY DR.)

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



STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 46,19929
 06-50-2021

DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	APRIL 2021
SCALE	1"=30'
PROJECT NO.	04-17-ST-202
SHEET NO.	C58

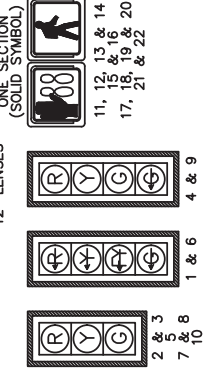


NOTE: ADDITIONAL 0.50" N.M.C. REQUIRED FROM POLE AND CONTROLLER TO NEAREST PULL BOX. REFER TO GROUNDING ARRAY FOR GROUNDING DETAIL. COST OF ADDITIONAL 0.50" N.M.C. INCLUDED IN THE VARIOUS PAY ITEMS.

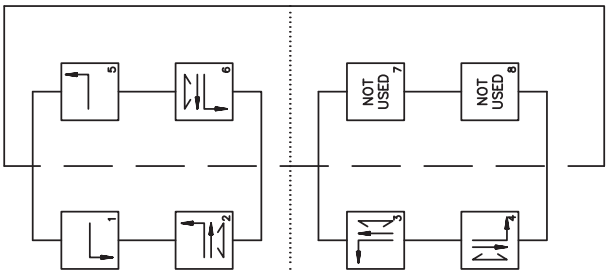
6'x6" VIDEO ZONE (TYP. AT STOP LINE LOCATIONS UNLESS OTHERWISE NOTED)

6'x6" VIDEO ZONE (TYP. UNLESS OTHERWISE NOTED)

SIGNAL FACES



PHASING DIAGRAM



- NOTES:
- ALL SIGNAL HEADS SHALL HAVE METAL BACKPLATES.
 - REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 - ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEET A.D.A.S. STANDARDS.

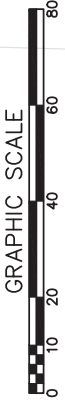
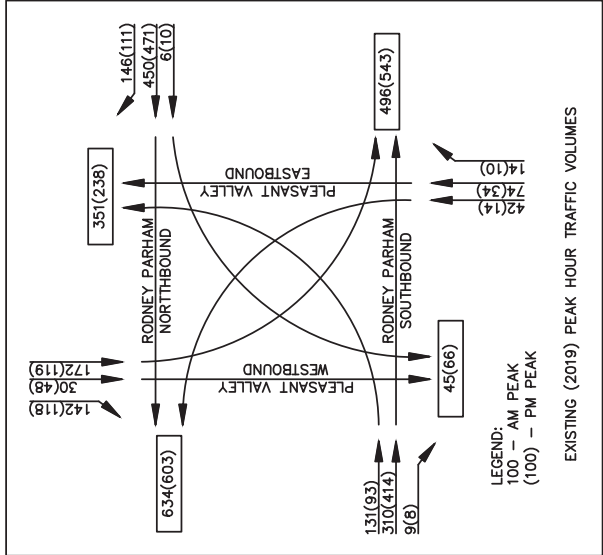
DESIGN PARAMETERS

POSTED SPEED LIMIT
 35 MPH NORTH APPROACH
 35 MPH SOUTH APPROACH
 35 MPH EAST APPROACH
 35 MPH WEST APPROACH
 NO BUS STOPS
 NO RAILROAD TRACKS
 NO PARKING
 NO FIRE STATION

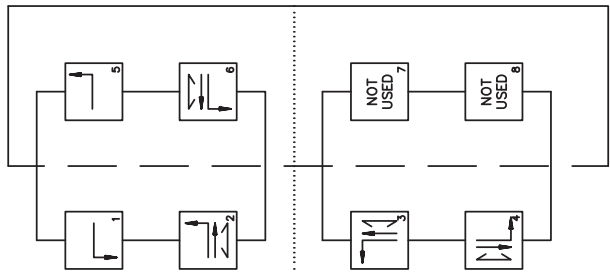
LEGEND

- TYPE 2 HD PULL BOX
- CONTROLLER CABINET
- SIGNAL HEAD
- EXISTING VIDEO DETECTOR
- SIGNAL POLE, MAST ARM AND LUMINAIRE ARM
- N.M.C. - NON METALLIC CONDUIT

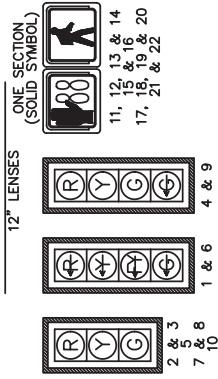
TRAFFIC FLOW DIAGRAM



PHASING DIAGRAM

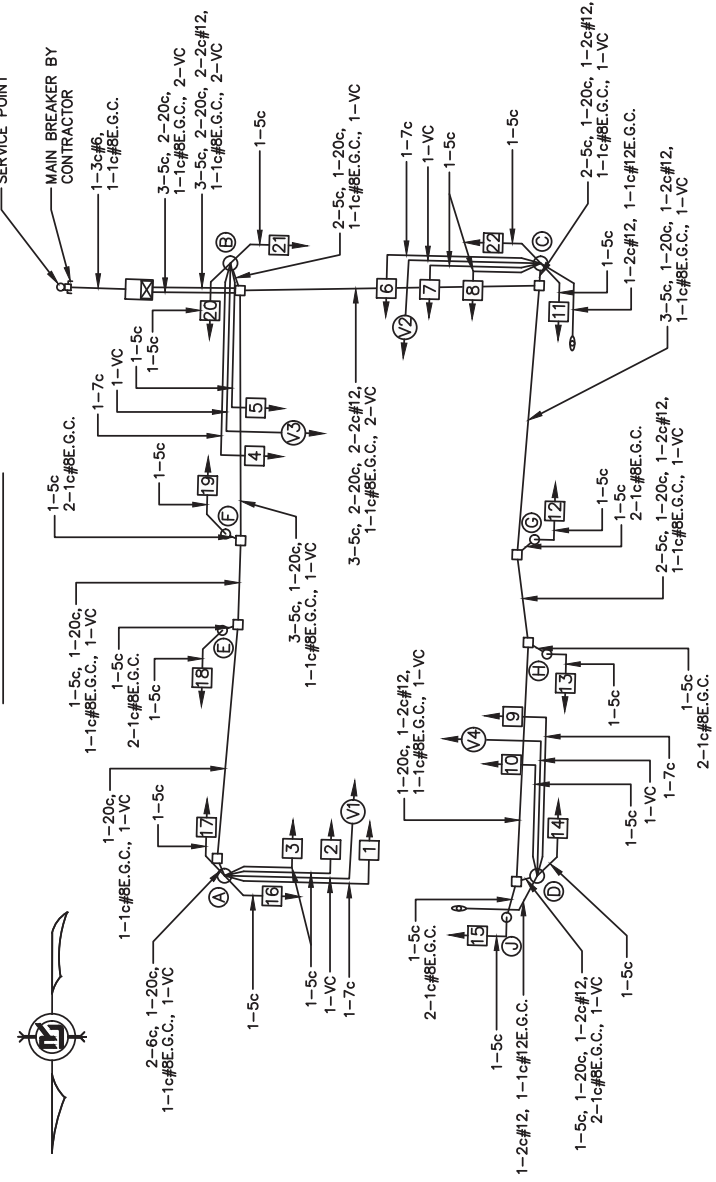


SIGNAL FACES



- NOTES:
1. ALL SIGNAL HEADS SHALL HAVE METAL BACKPLATES.
 2. REFER TO SPECIAL PROVISIONS FOR DETAILS ON REQUIREMENTS FOR BACKPLATES.
 3. ALL PEDESTRIAN SIGNAL HEADS CAN BE PLACED INTO OPERATION IF THERE ARE BOTH WHEELCHAIR RAMPS AND A CROSSWALK THAT MEET A.D.A.S. STANDARDS.

WIRING DIAGRAM



NOTE: ADDITIONAL 1-1c#BE.G.C. IN SEPARATE CONDUIT REQUIRED FROM POLE AND CONTROLLER TO NEAREST PULL BOX. REFER TO GROUNDING ARRAY FOR GROUNDING DETAIL. COST OF ADDITIONAL 1-1c#BE.G.C. INCLUDED IN THE VARIOUS PAY ITEMS.

NOTES:

1. A SEPARATE 7c/#14 A.W.G. SHALL BE PROVIDED FROM EACH 4 SECTION HEAD TO THE BASE OF THE POLE
2. A SEPARATE 5c/#14 A.W.G. SHALL BE PROVIDED FROM EACH 3 SECTION HEAD TO THE BASE OF THE POLE.
3. A SEPARATE 5c/#14 A.W.G. SHALL BE PROVIDED TO EACH POLE WITH PEDESTRIAN PUSH BUTTON.
4. ALL DETECTOR CHANNELS, INCLUDING UNUSED, SHALL BE BROUGHT TO TERMINAL STRIP IN DETECTOR AREA ON CABINET.
5. THE LOCAL GOVERNMENT SHALL BE RESPONSIBLE FOR PROVIDING POWER TO THE SERVICE POINT.

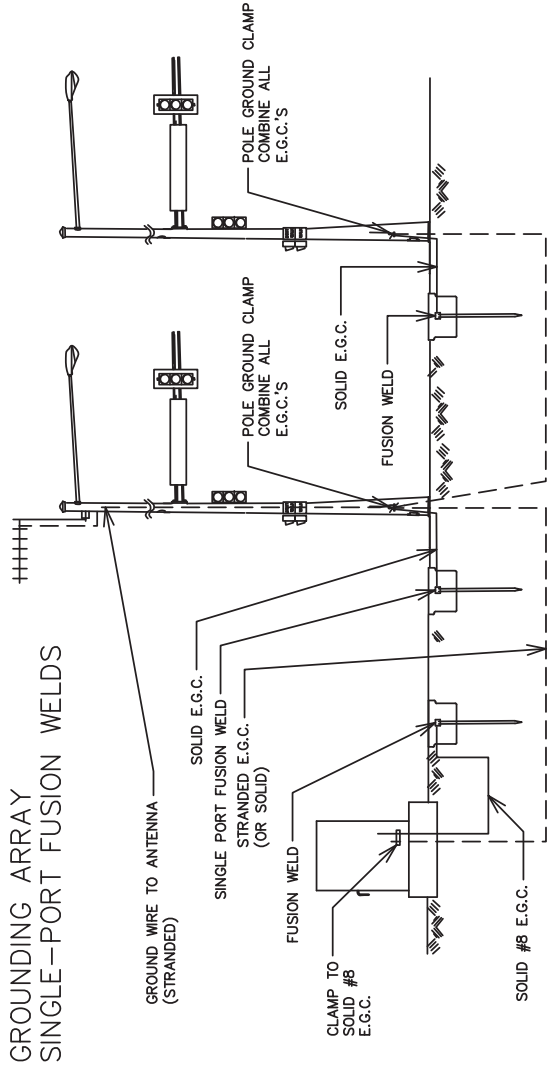
DETECTOR CHART

DETECTOR SYSTEM DESCRIPTION: PROJECT NO. 04-17-ST-202		HARDWARE INPUTS BY SUPPLIER		PROGRAM ASSIGNMENTS		COMMENTS	TUBE LENGTHS	
N. RODNEY PARHAM RD. / PLEASANT VALLEY DR.		CAB. TRM. #	AMP. CHN. #	CON. IMP. #	PHS			LOCAL DET. #
Vz11	SB LEFT FAR	1	V9	1	1	1	23"	VD 1
Vz12	SB LEFT NEAR	2	V1	1	1	1	23"	VD 1
Vz21	SB FAR	5		2	2	2	23"	VD 2
Vz22	SB NEAR	6		2	2	2	23"	VD 2
Vz23	SB FAR	9		3	3	3	23"	VD 3
Vz24	SB NEAR	10		3	3	3	23"	VD 3
Vz33	EB LEFT FAR	11		3	3	3	23"	VD 3
Vz34	EB LEFT NEAR	12		3	3	3	23"	VD 3
Vz41	WB FAR	13		4	4	4	23"	VD 4
Vz42	WB NEAR	14		4	4	4	23"	VD 4
Vz43	WB LEFT FAR	15		4	4	4	23"	VD 4
Vz44	WB LEFT NEAR	16		4	4	4	23"	VD 4
Vz51	NB LEFT TURN FAR	7		5	5	5	23"	VD 2
Vz52	NB LEFT TURN NEAR	8		5	5	5	23"	VD 2
Vz61	NB FAR	3		6	6	6	23"	VD 1
Vz62	NB NEAR	4		6	6	6	23"	VD 1
PB2 A&B	N LEG			P2	2			
PB4 A&B	E LEG			P4	4			
PB6 A&B	S LEG			P6	6			
PB8 A&B	W LEG			P8	8			
								SPARE:

CONTROLLER INPUT ABBREVIATIONS:
V = VEHICLE INPUT
D = SYSTEM OR AUXILIARY INPUT
P = PEDESTRIAN INPUT

NOTE: "AMP CHN #" REFERS TO THE RACK OUTPUT POSITION. THIS IS WIRED TO CONTROLLER INPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE. EXAMPLE: V9 = SYSTEM DETECTOR 1, V10 = SYSTEM DETECTOR 2

GROUNDING ARRAY SINGLE-PORT FUSION WELDS

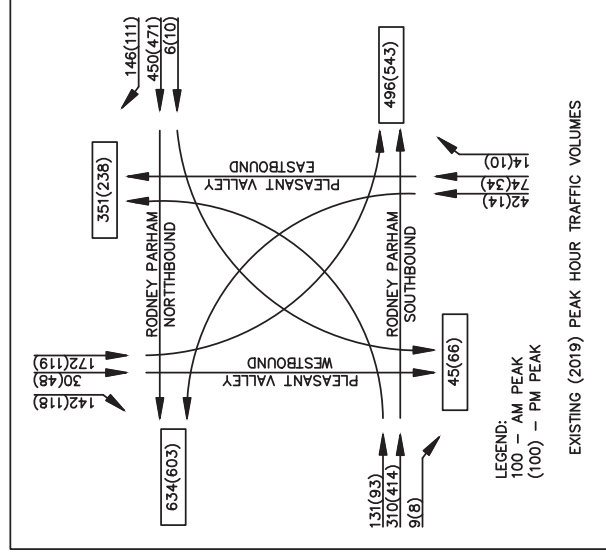


INTERVAL CHART

SIGNAL FACES	INTERSECTION INTERVALS								FLASH SEQ.	
	1+5	1+6	CLR	2+5	2+6	CLR	3	4		
1	<-G	*	<-G	<-FY	<-FY	<-R	<-R	<-R	<-R	<-R
2 & 3	R	G	R	R	G	R	R	R	R	R
4	R	R	R	R	R	R	R	R	R	R
5	R	R	R	R	R	R	R	R	R	R
6	<-G	*	<-FY	<-G	<-FY	<-R	<-R	<-R	<-R	<-R
7 & 8	R	R	R	R	G	R	R	R	R	R
9	R	R	R	R	R	R	R	R	R	R
10	R	R	R	R	R	R	R	R	R	R
11, 12, 13 & 14	DW	DW	DW	DW	W	FDW	DW	DW	DW	BLK
15 & 16	DW	DW	DW	DW	DW	DW	DW	DW	DW	BLK
17, 18, 19 & 20	DW	DW	DW	DW	W	FDW	DW	DW	DW	BLK
21 & 22	DW	DW	DW	DW	DW	DW	DW	DW	DW	BLK

* DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE
** DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE
*** DENOTES FLASHING YELLOW ARROW OR YELLOW ARROW DEPENDING ON NEXT PHASE

TRAFFIC FLOW DIAGRAM



LEGEND:
100 - AM PEAK
(100) - PM PEAK

EXISTING (2019) PEAK HOUR TRAFFIC VOLUMES

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
SIGNALIZATION PLANS
(N. RODNEY PARHAM RD. AT PLEASANT VALLEY DR.)


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



DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	APRIL 2021
SCALE	1"=30'
PROJECT NO.	04-17-ST-202
SHEET NO.	C59

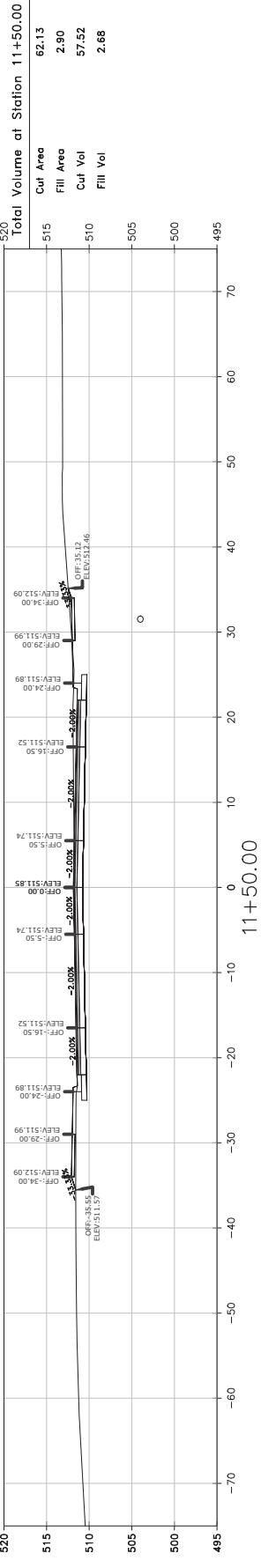
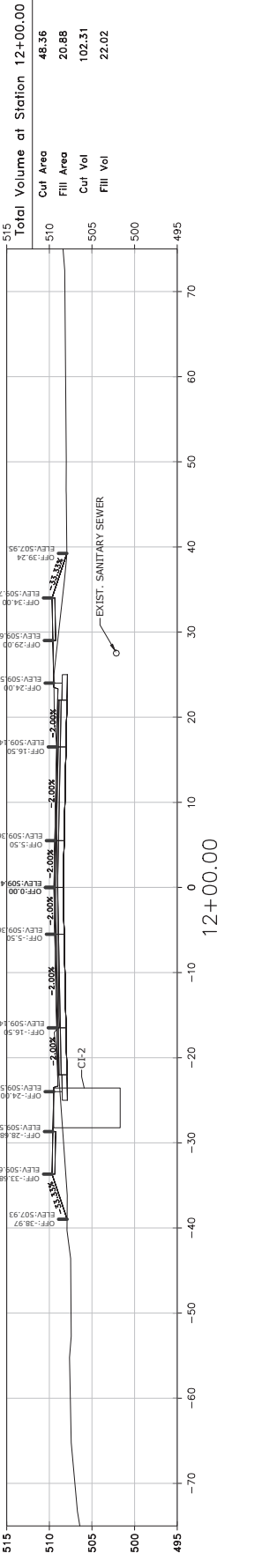
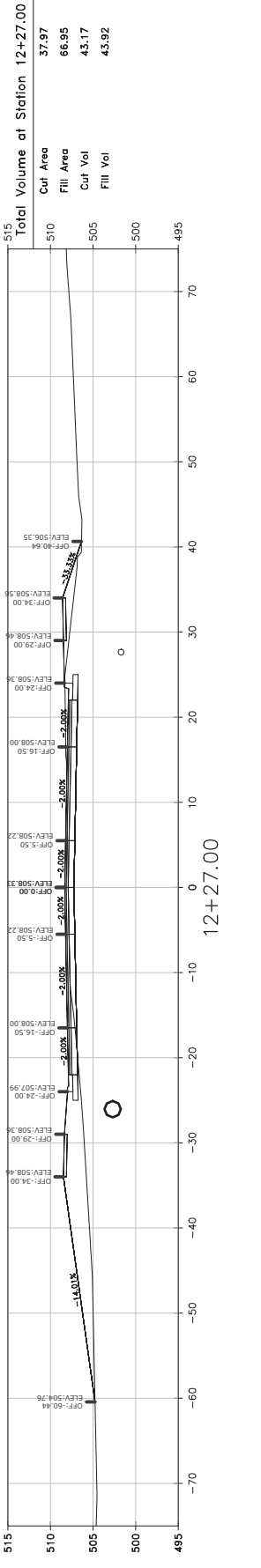
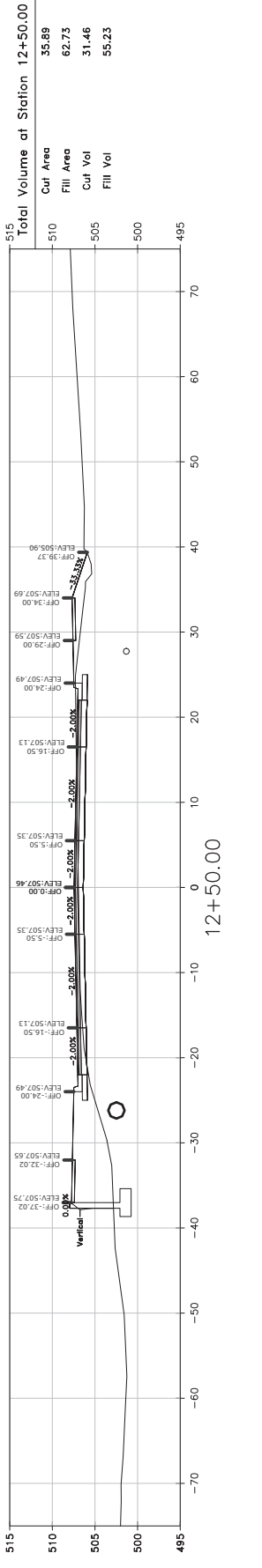
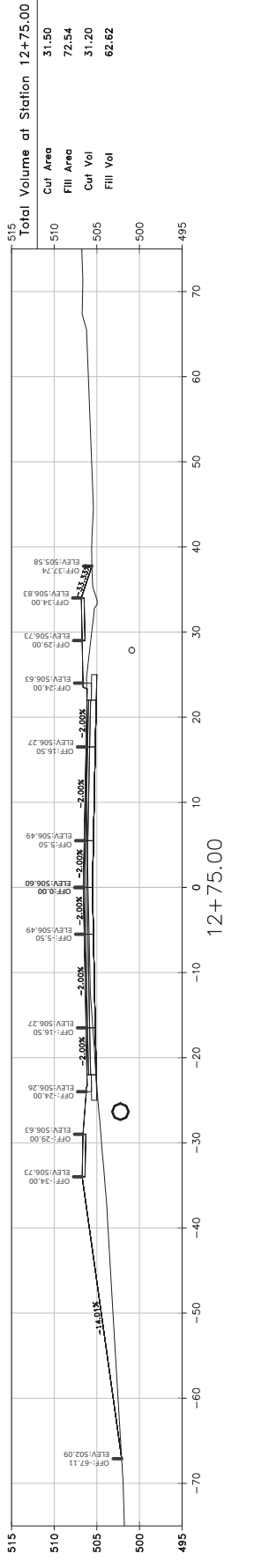
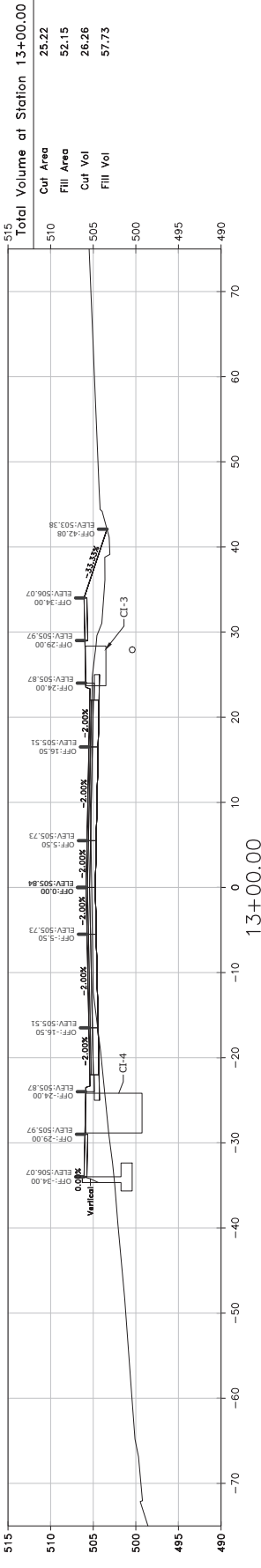
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS



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


DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C60



SCALE:
 1"=10' HORIZ.
 1"=10' VERT.

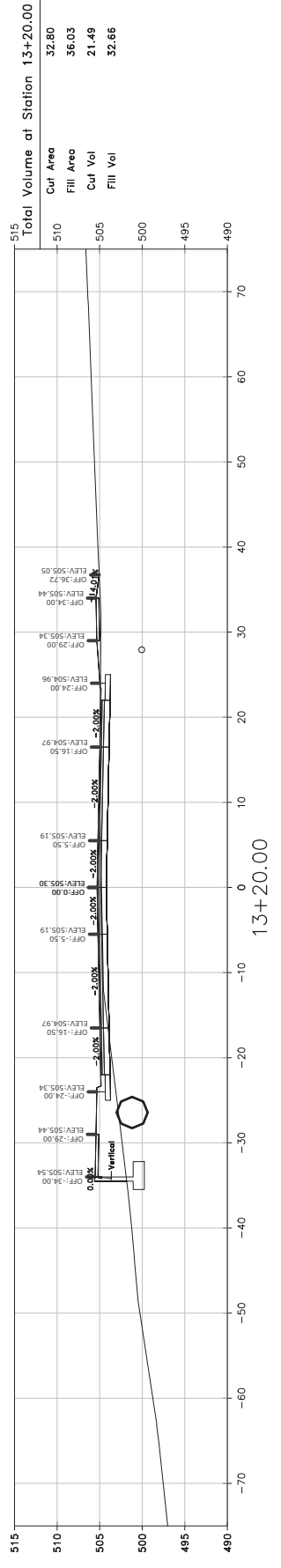
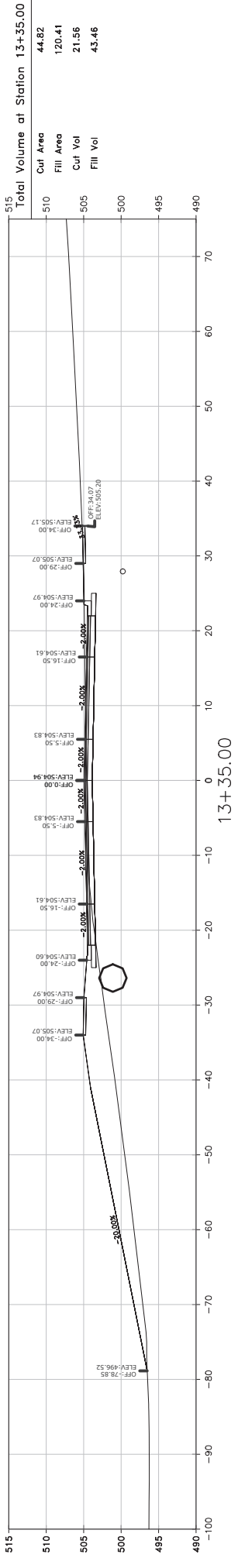
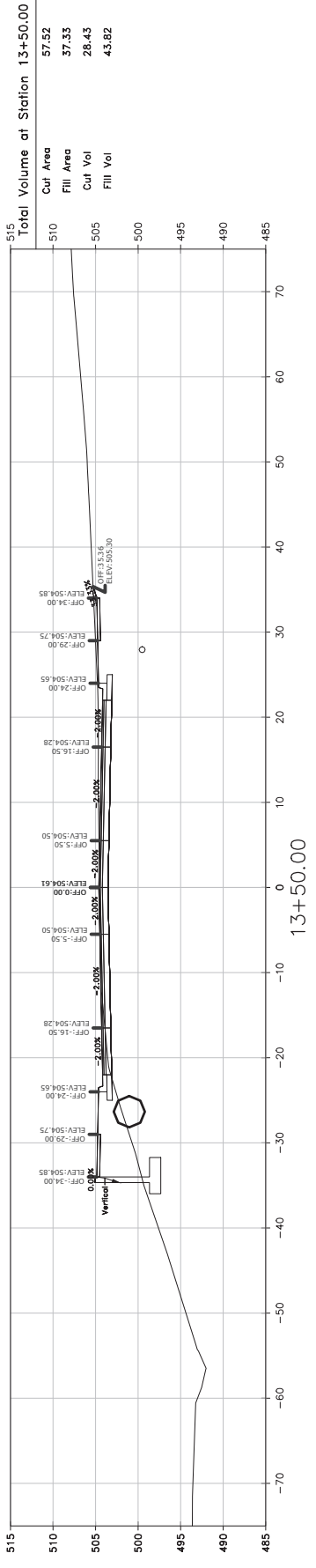
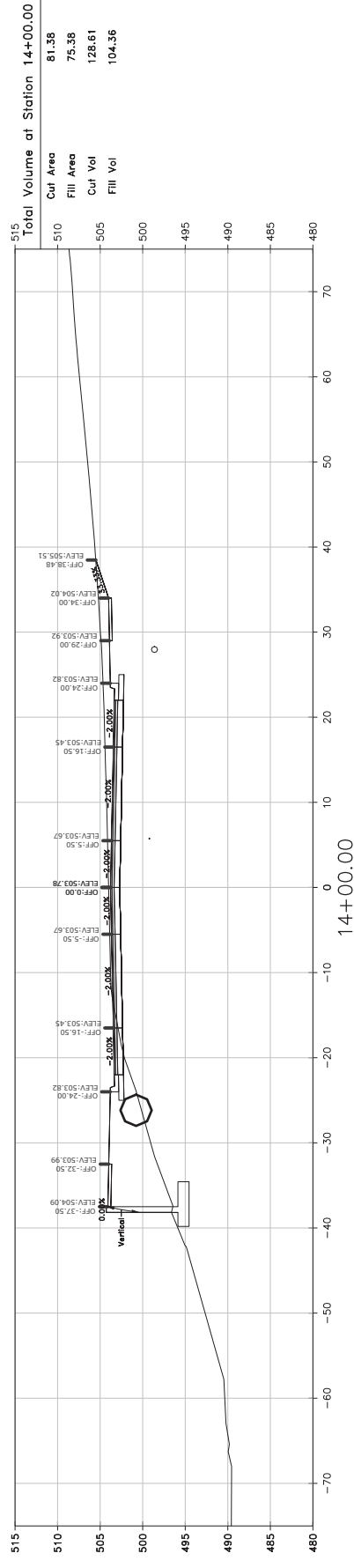
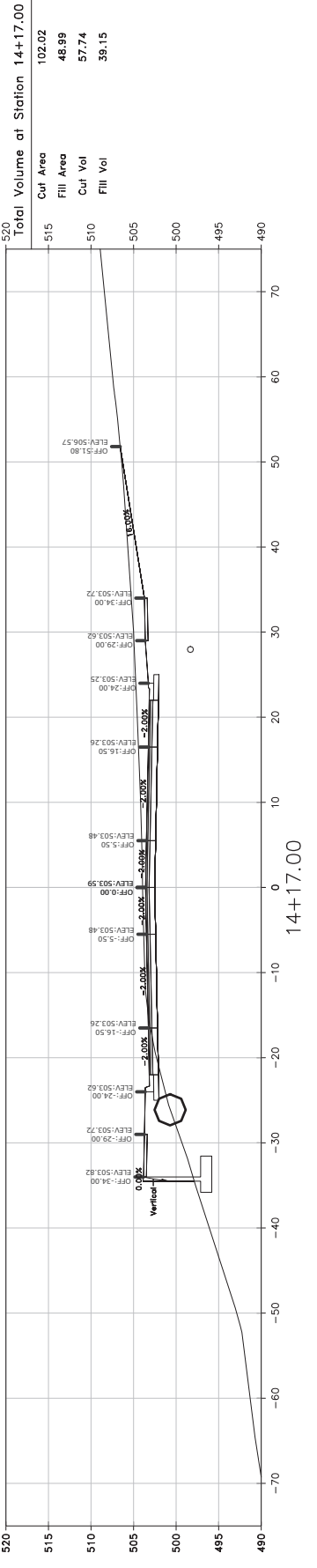
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS



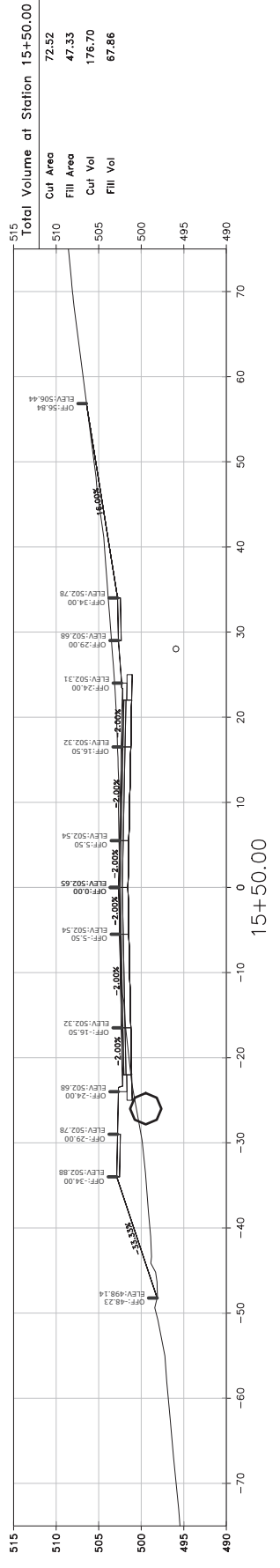
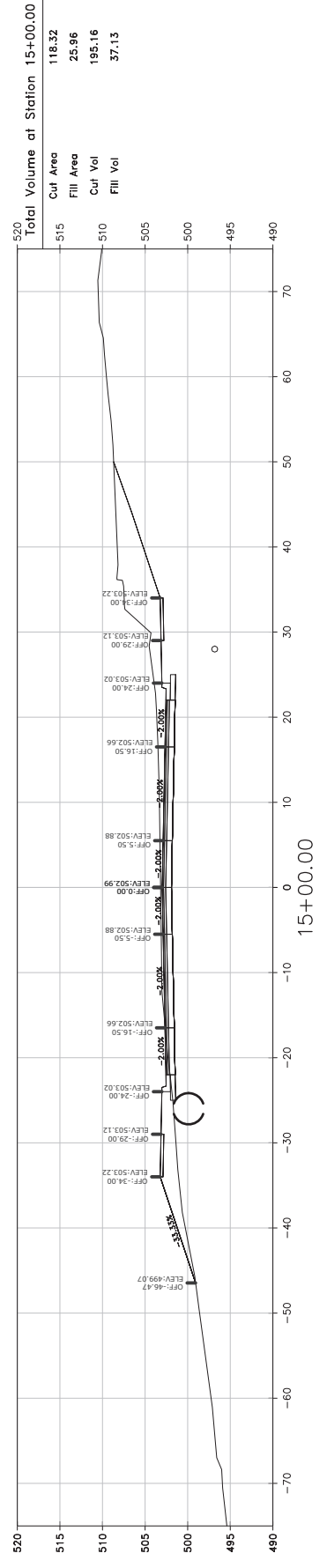
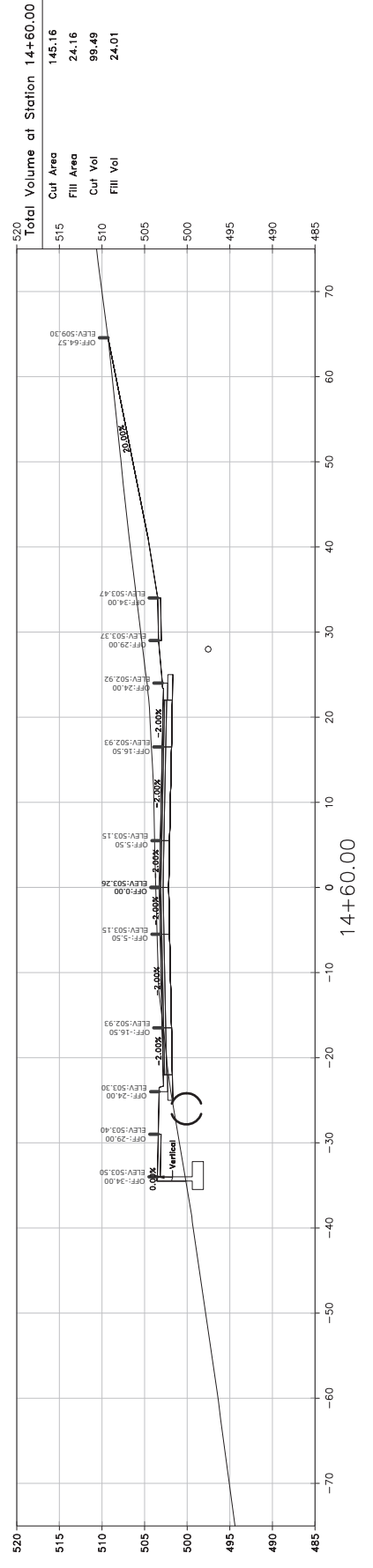
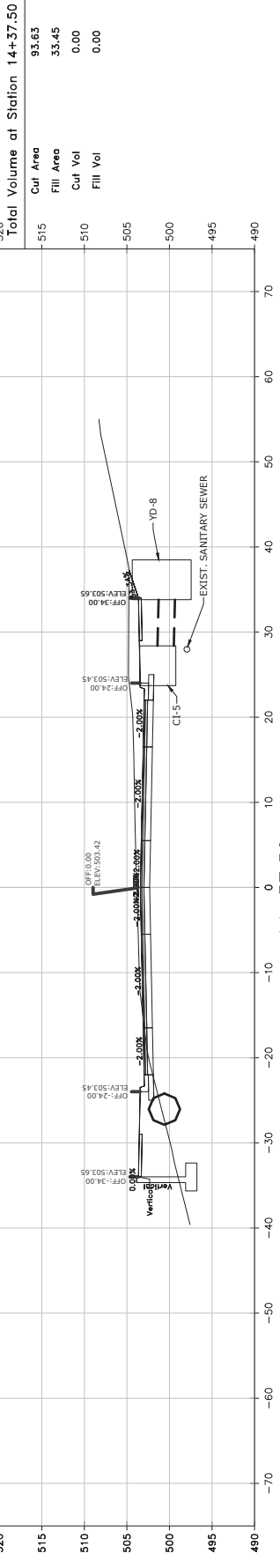
 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C61



SCALE:
 1"=10' HORIZ.
 1"=10' VERT.

SCALE:
1"=10' HORIZ.
1"=10' VERT.



CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING

CROSS SECTIONS


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

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C62

REVISIONS	DATE

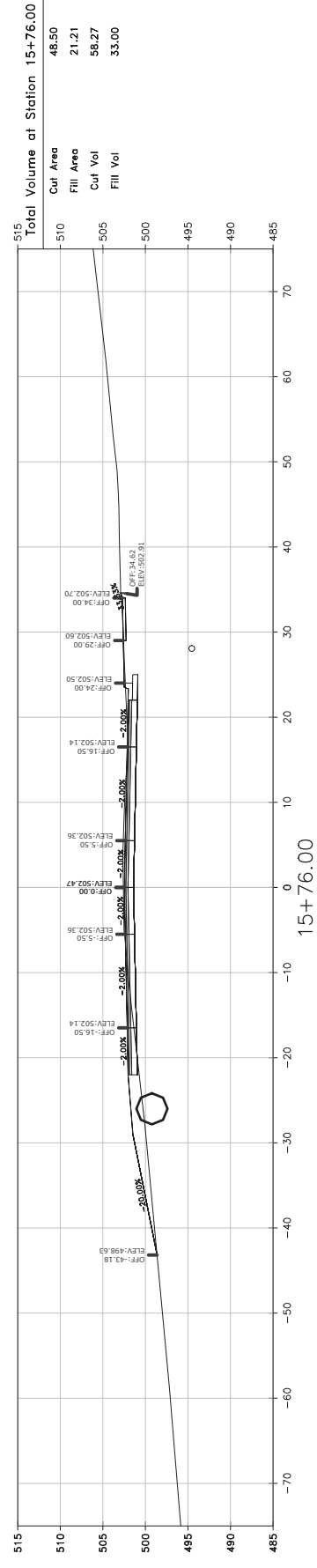
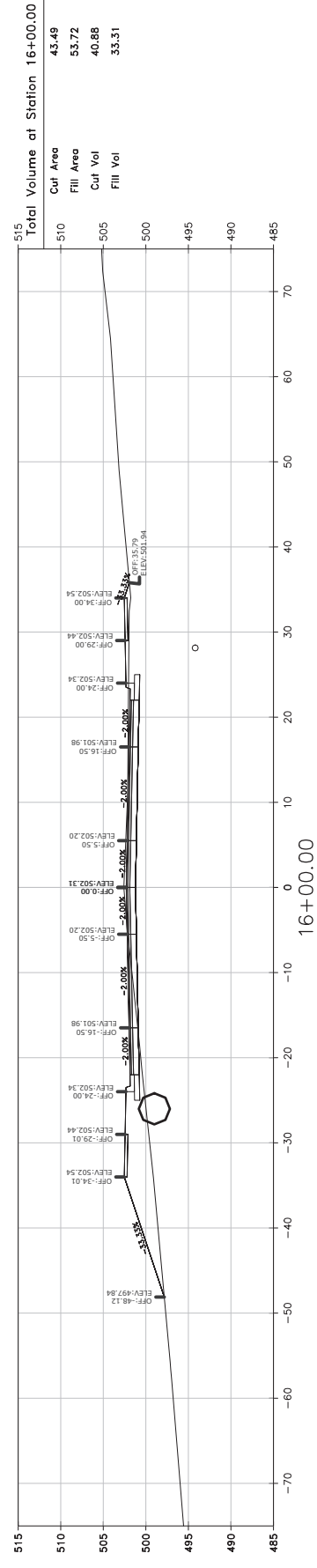
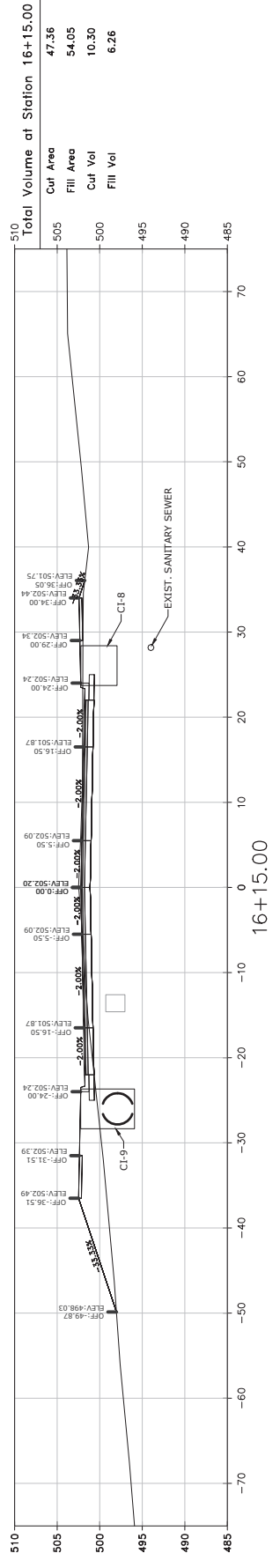
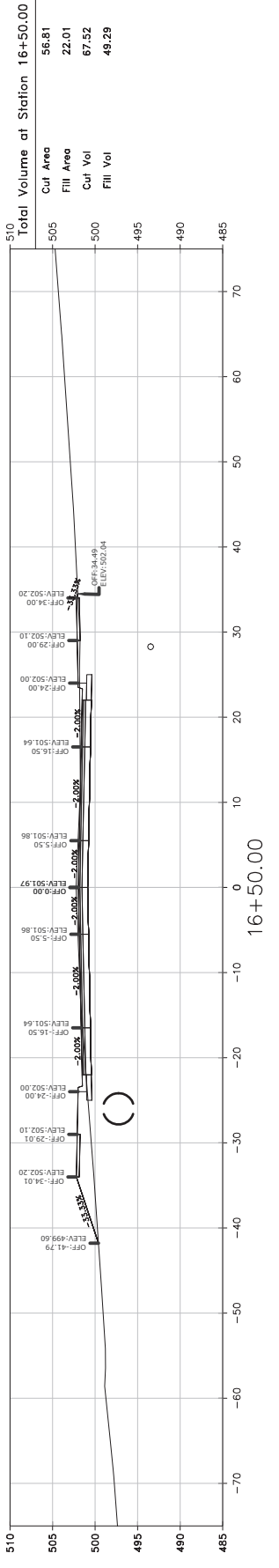
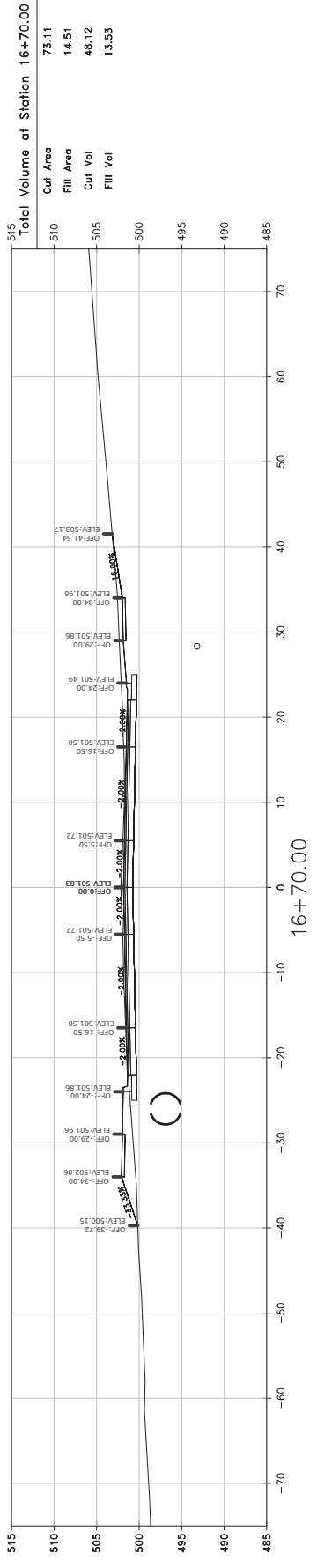
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS



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

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C63



SCALE:
 1"=10' HORIZ.
 1"=10' VERT.

REVISIONS DATE

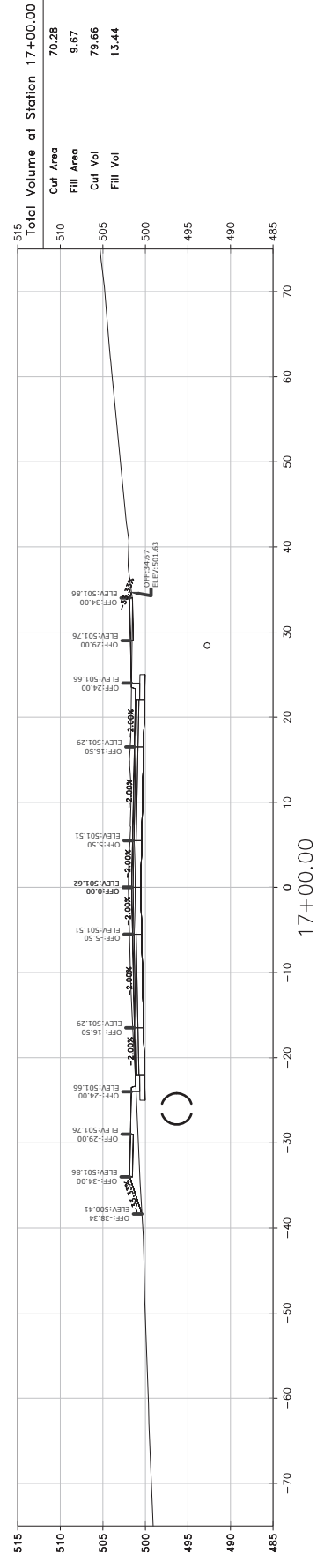
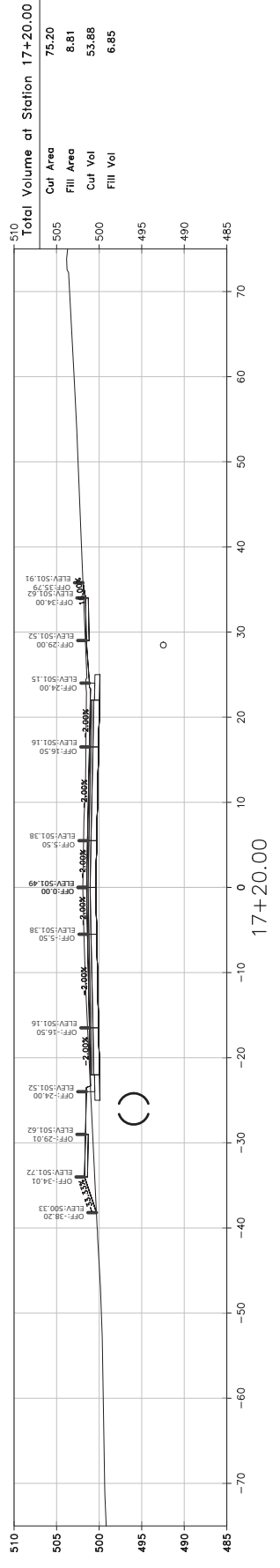
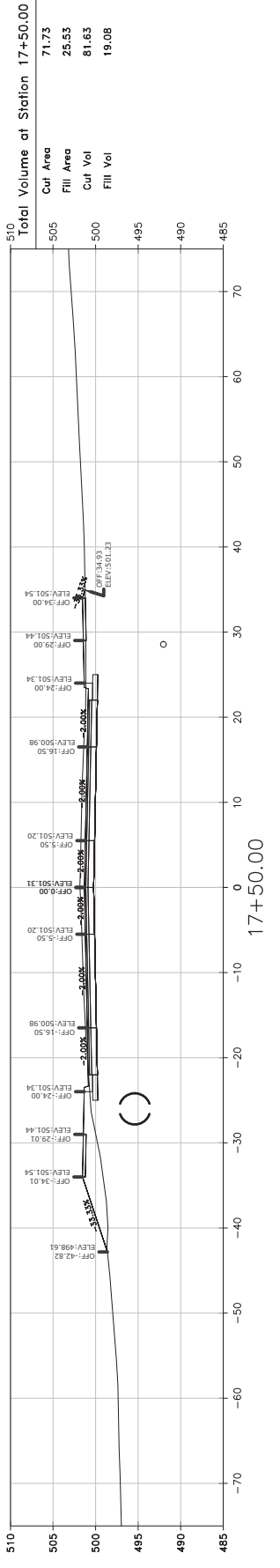
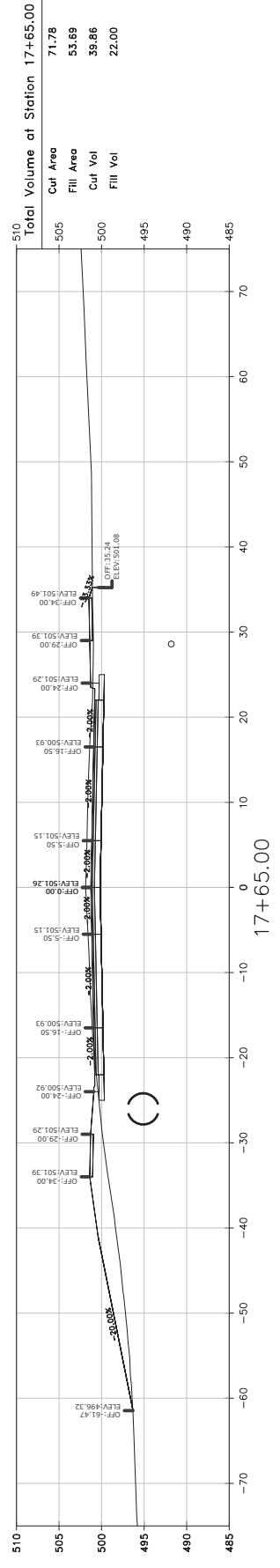
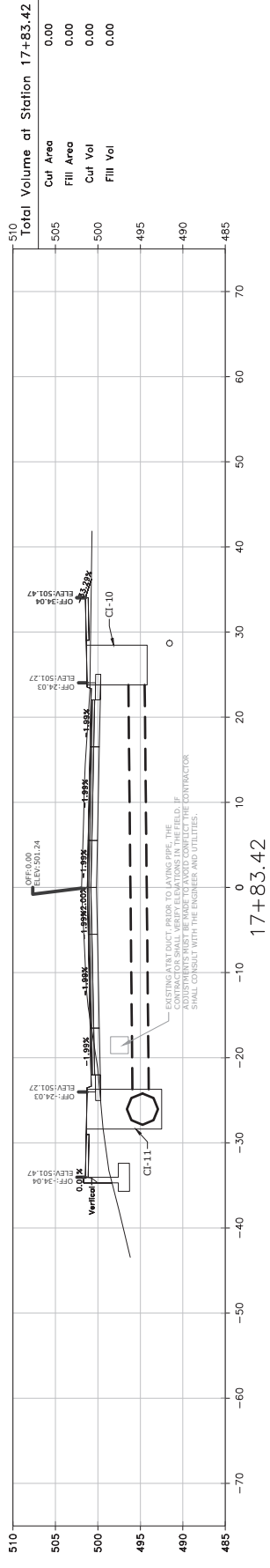
CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 CROSS SECTIONS



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



DRAWN BY CGS
 DESIGNED CGS
 CHECKED MK
 DATE 04/30/2021
 SCALE AS SHOWN
 PROJECT NO. 04-17-ST-202
 SHEET NO. C64



SCALE:
 1"=10' HORIZ.
 1"=10' VERT.

REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS

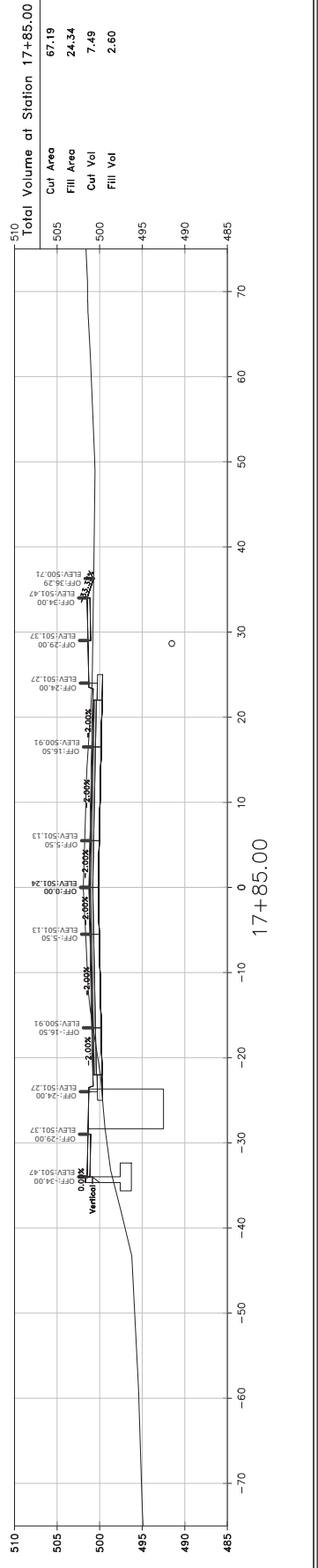
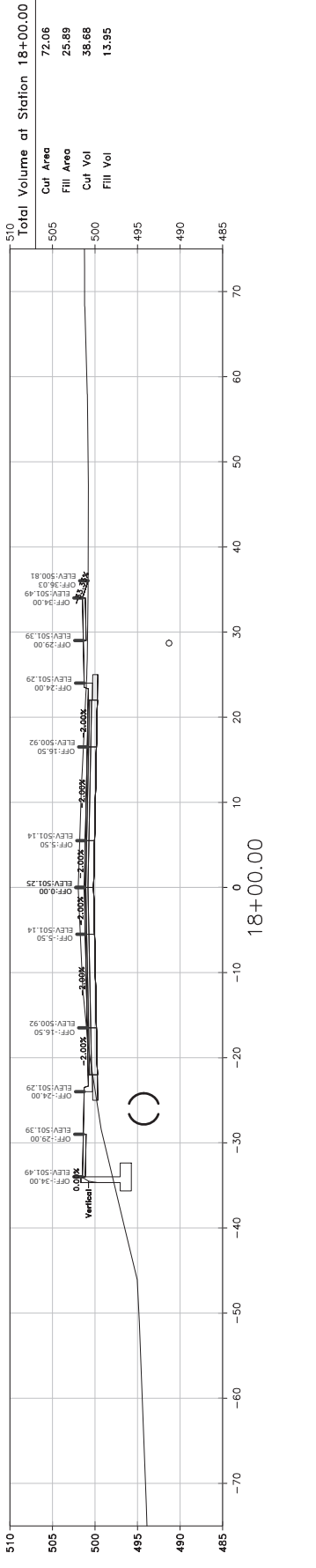
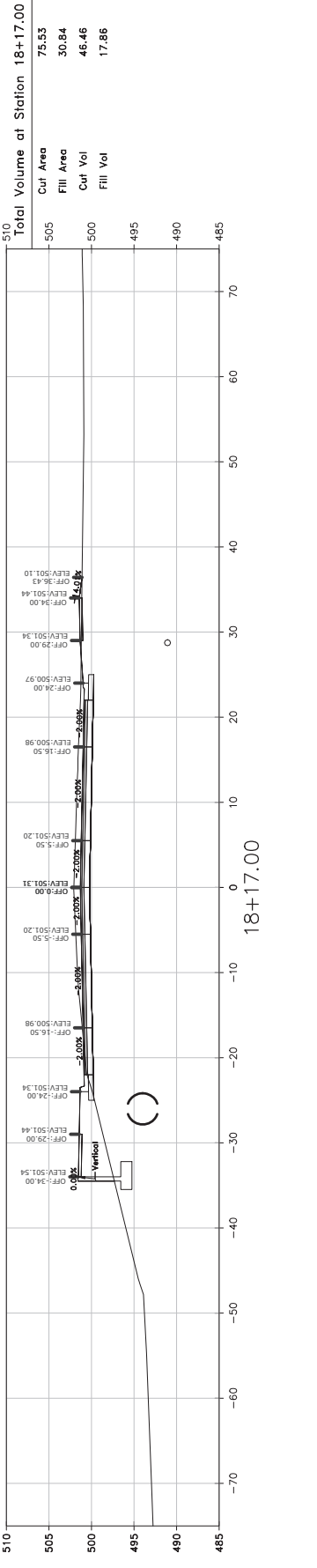
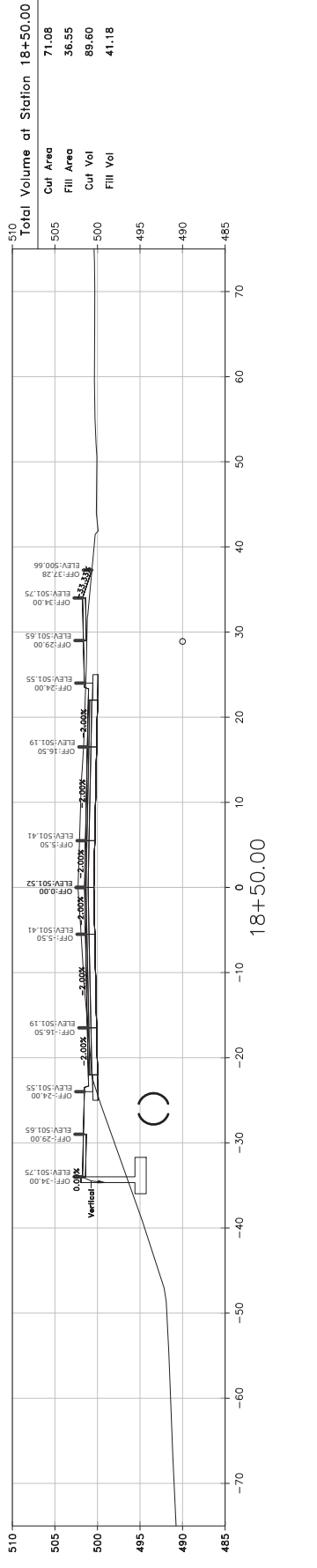
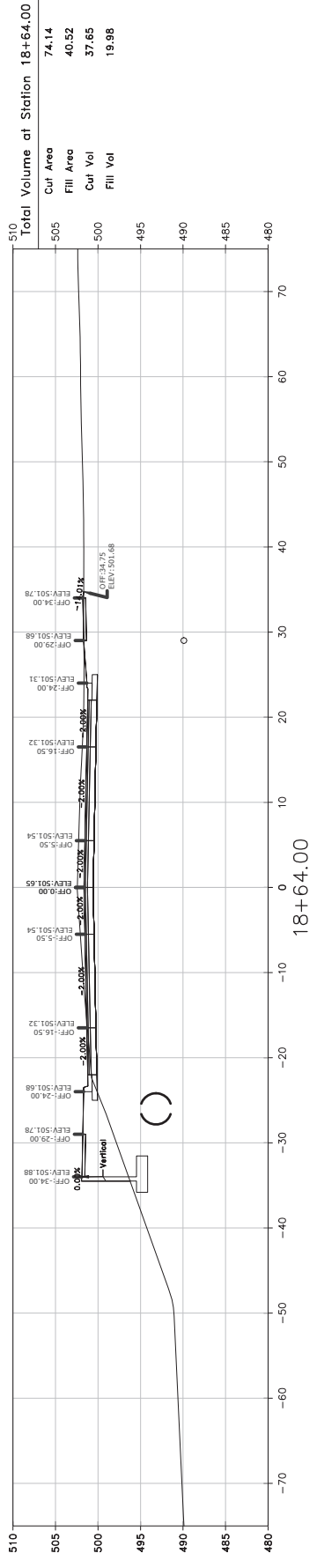


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201




DRAWN BY
CGS
DESIGNED
CGS
CHECKED
MK
DATE
04/30/2021
SCALE
AS SHOWN
PROJECT NO.
04-17-ST-202
SHEET NO.
C65

SCALE:
1"=10' HORIZ.
1"=10' VERT.



REVISIONS	DATE

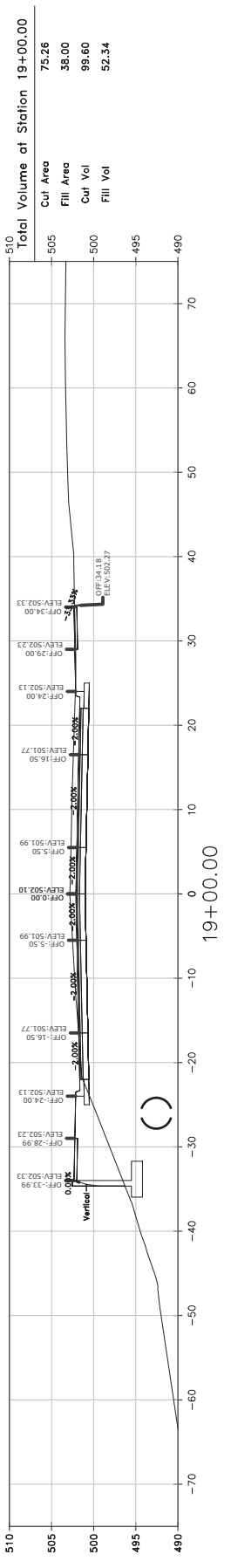
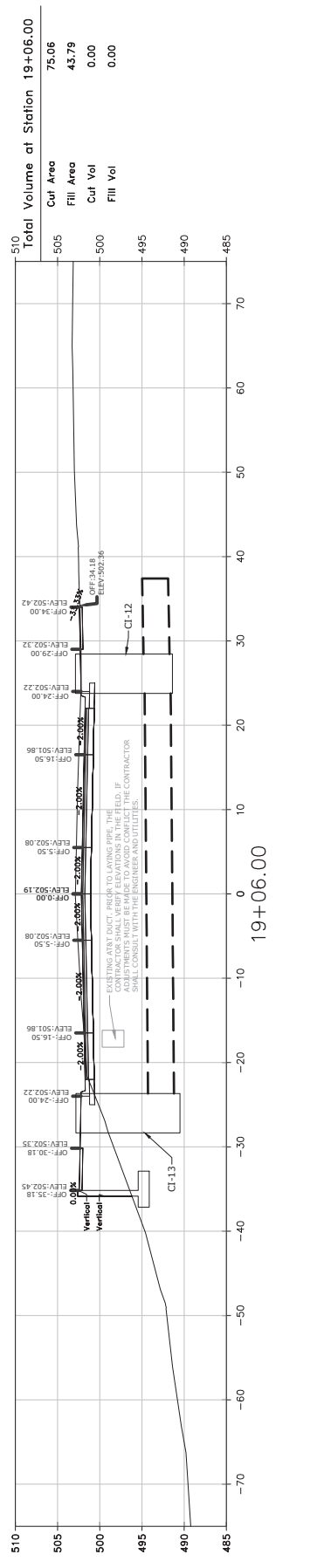
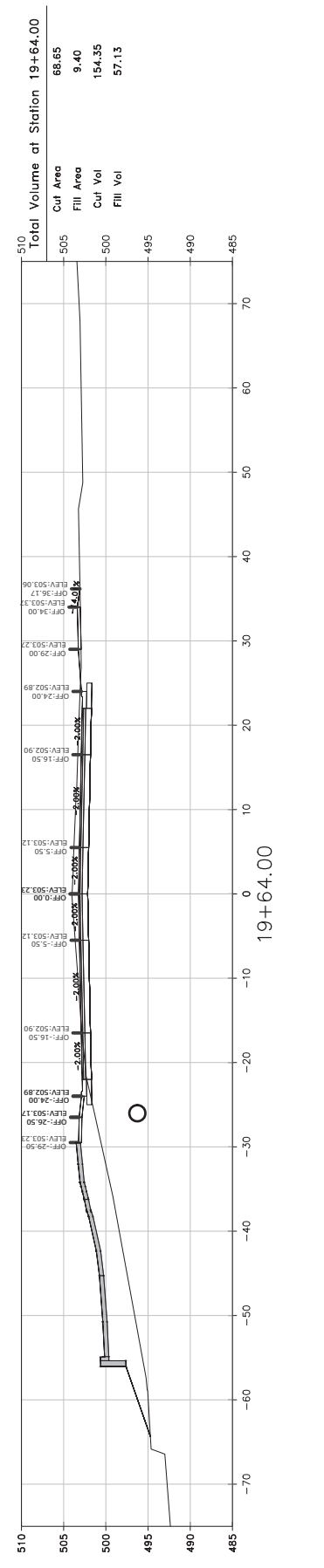
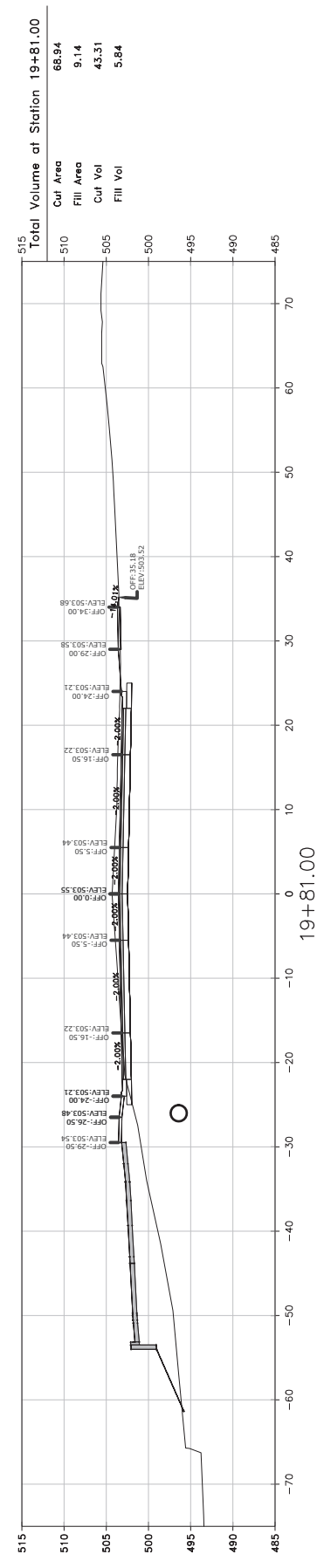
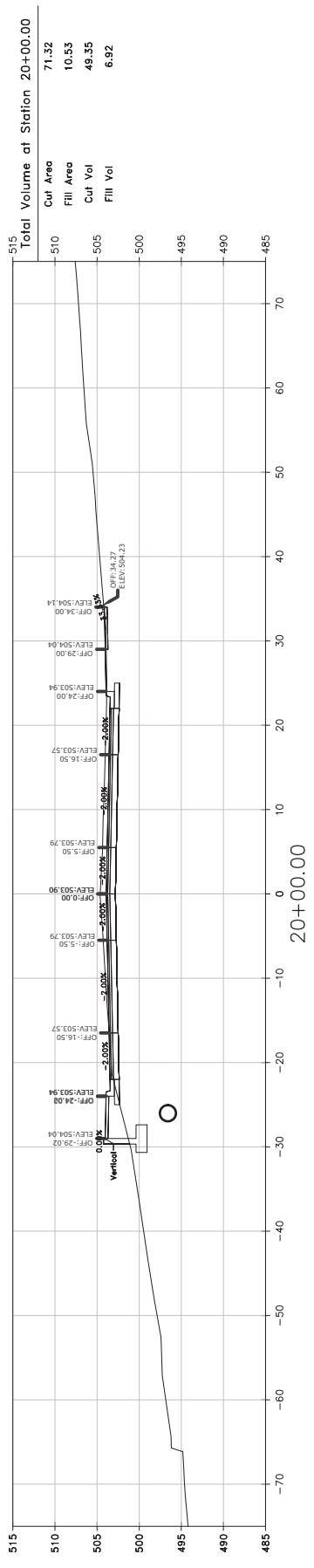
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS


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

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
MK	
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C66


DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
MK	
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C66

SCALE:
1"=10' HORIZ.
1"=10' VERT.

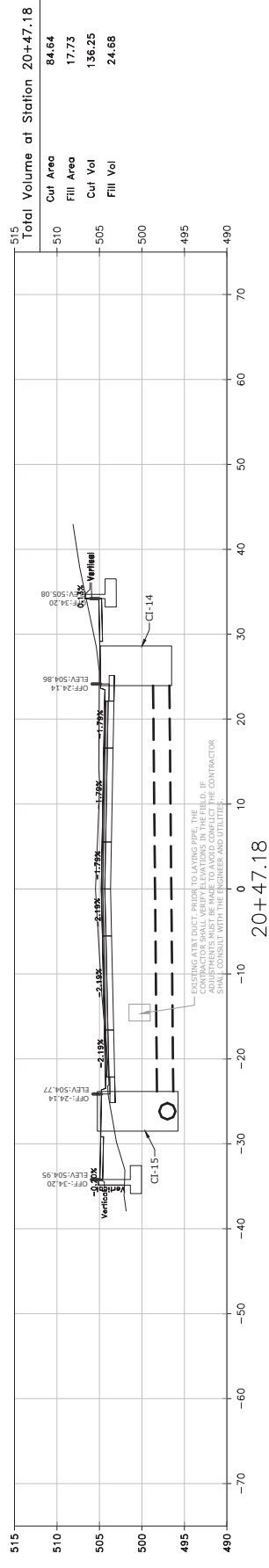
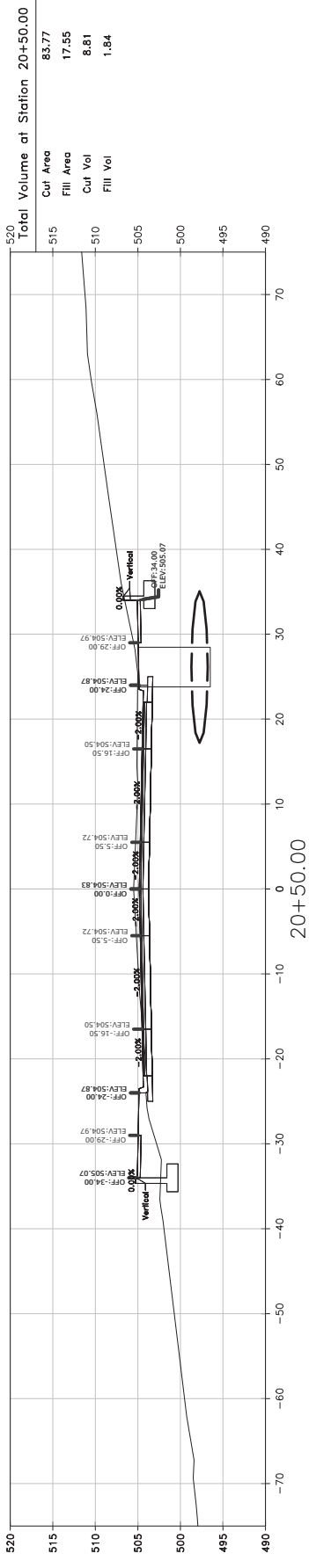
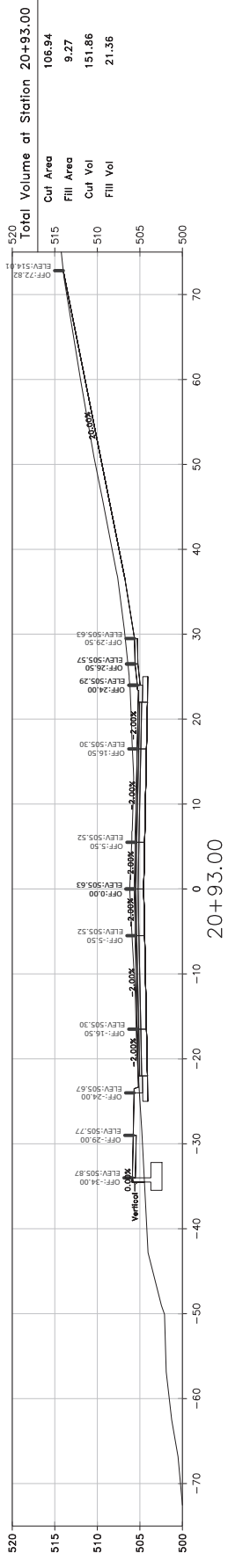
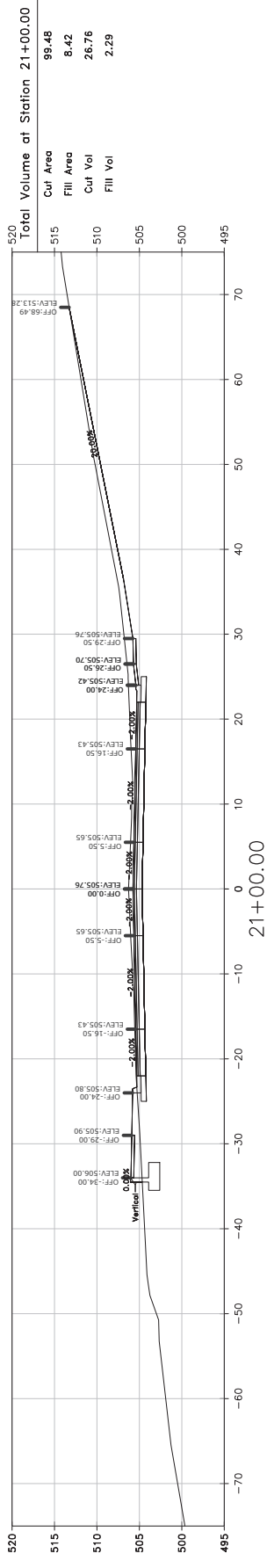
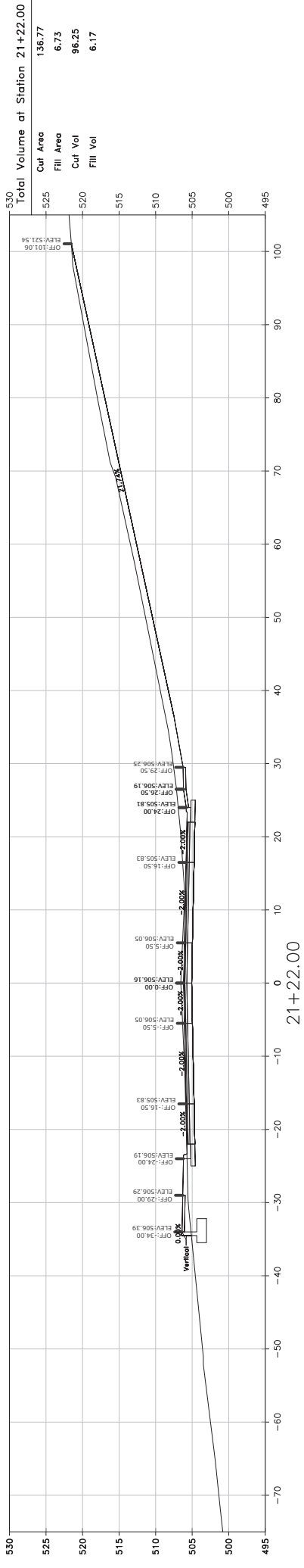


REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS**


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

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C67



SCALE:
1"=10' HORIZ
1"=10' VERT.

20+47.18

REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS

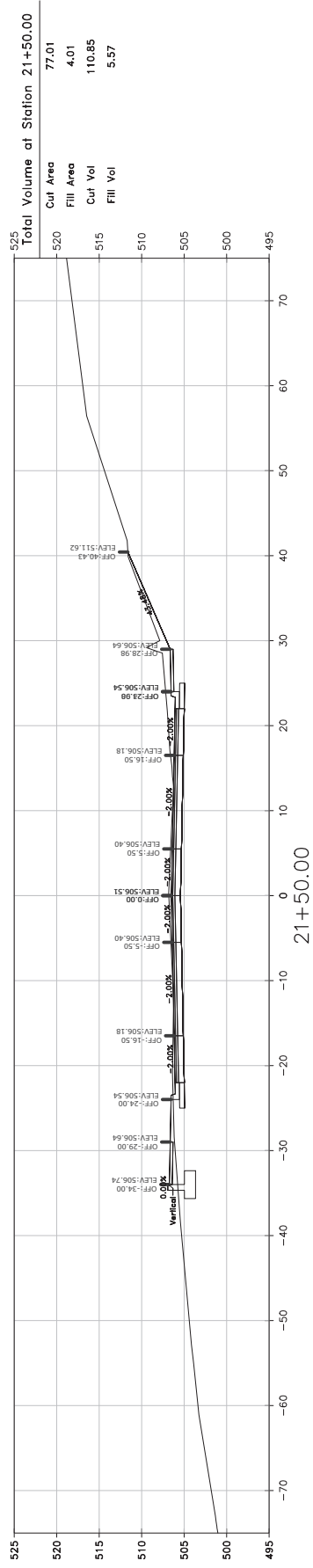
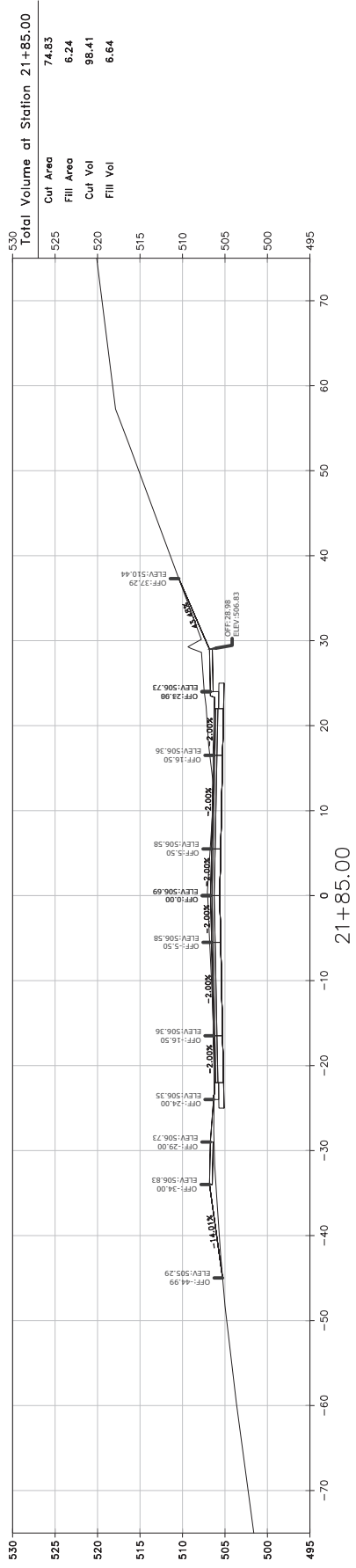
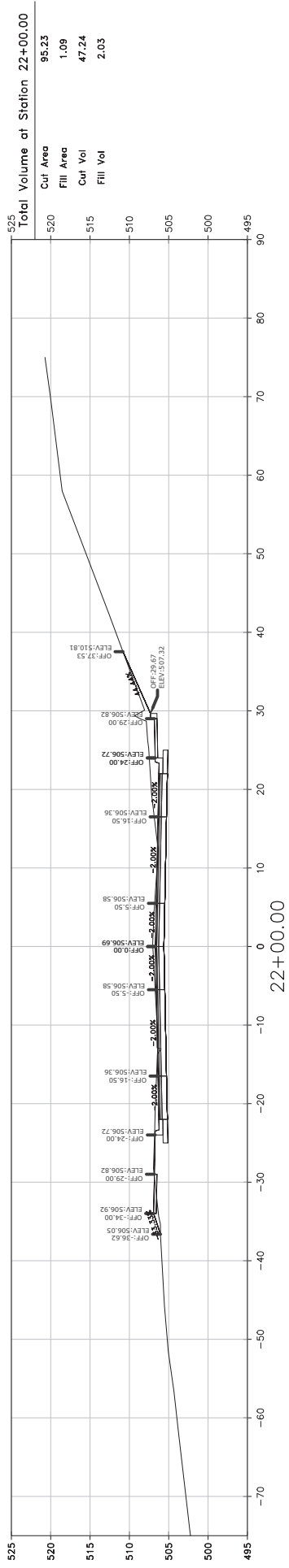
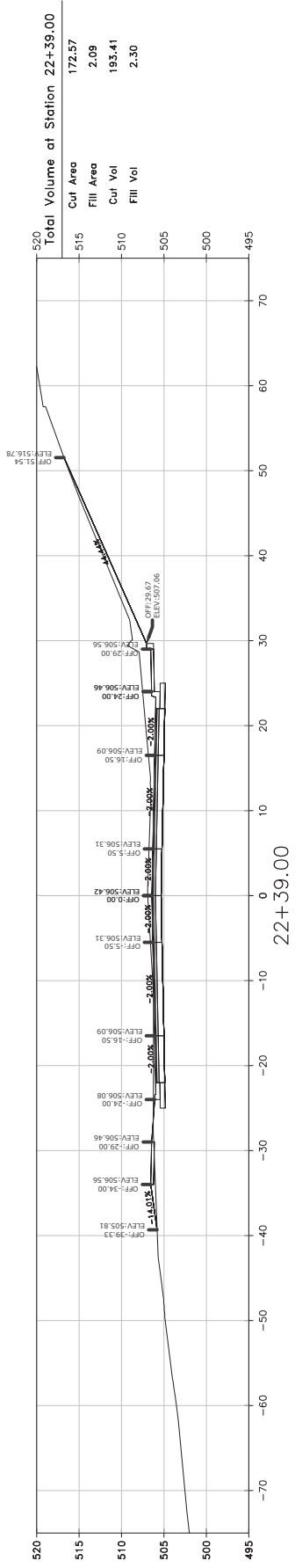
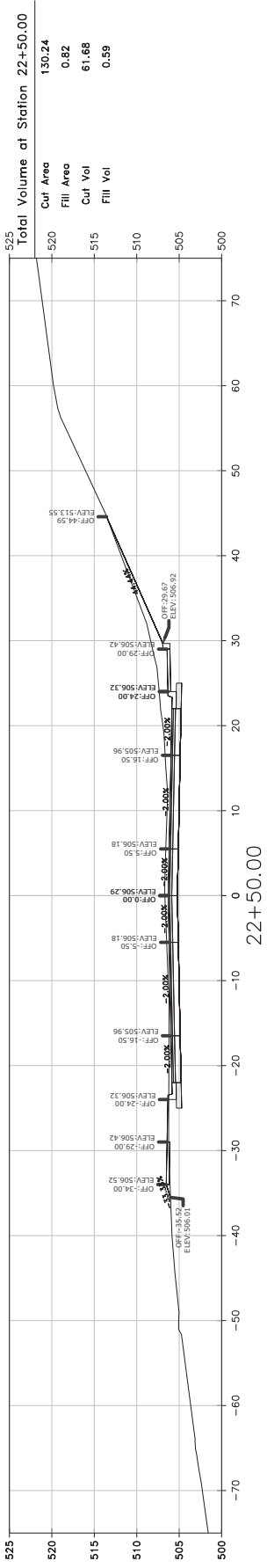


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201




DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C68

SCALE:
1"=10' HORIZ.
1"=10' VERT.



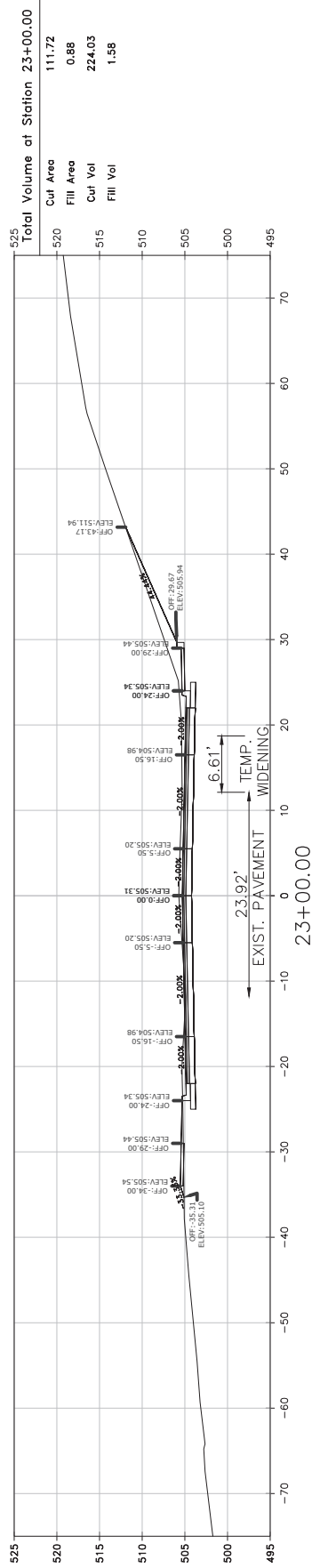
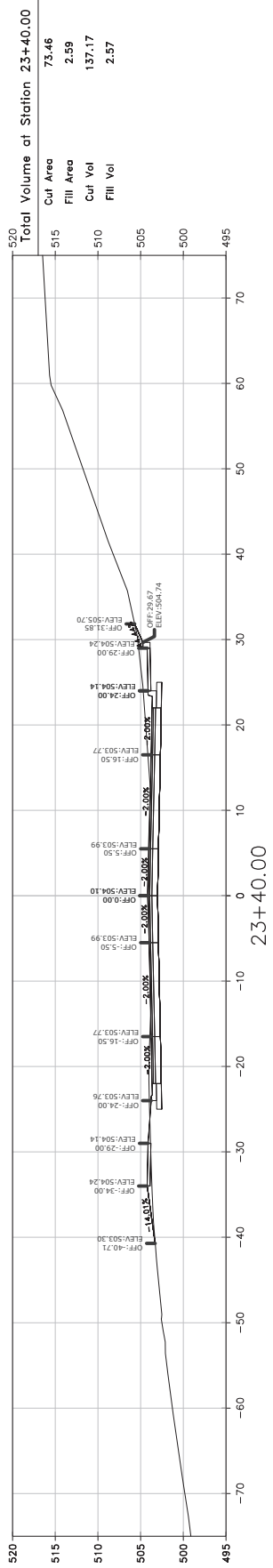
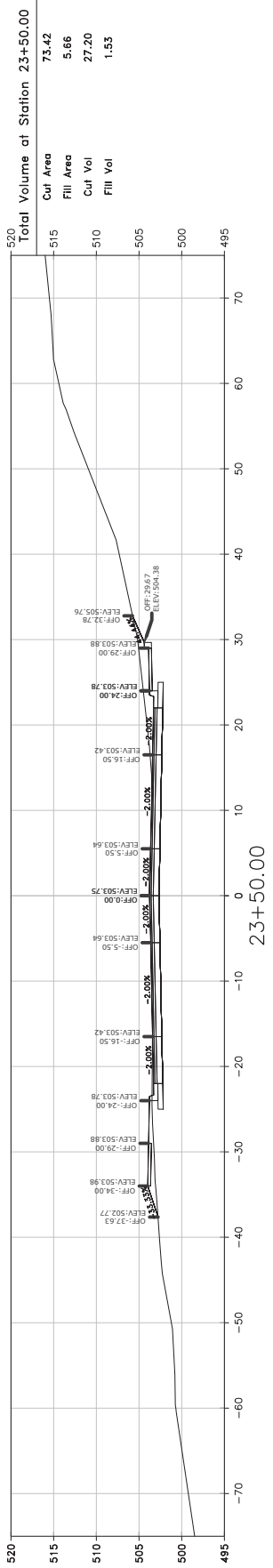
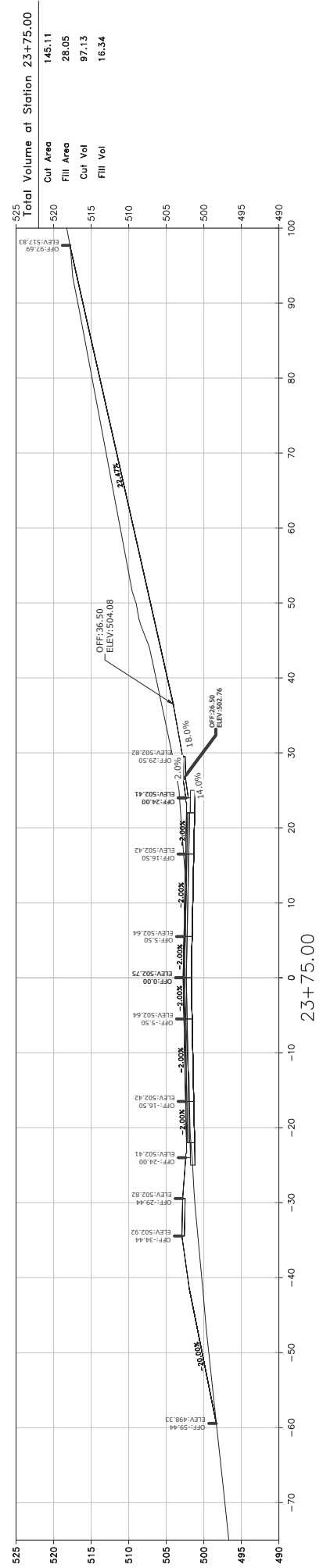
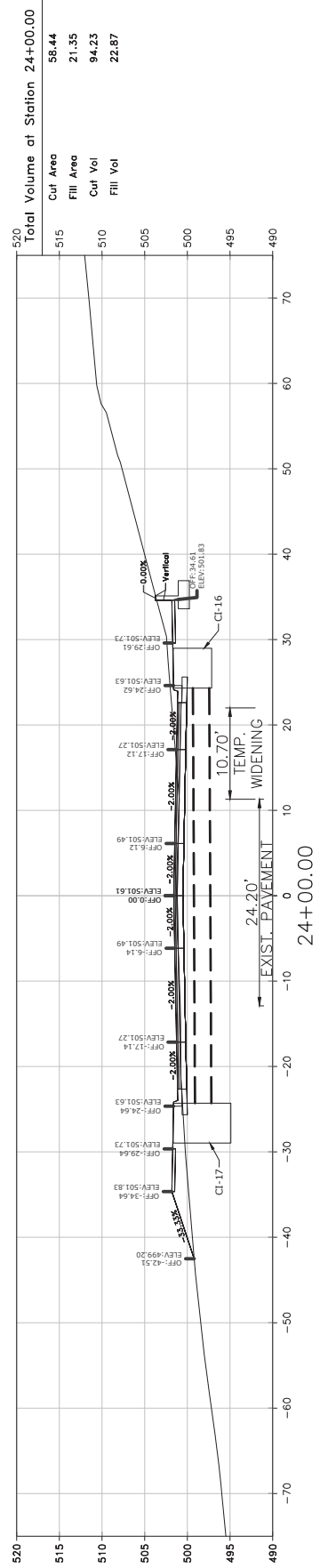
REVISIONS	DATE
ADDENDUM 3	

**CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS**


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

--

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
MK	
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C69



SCALE:
1"=10' HORIZ.
1"=10' VERT.

REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS

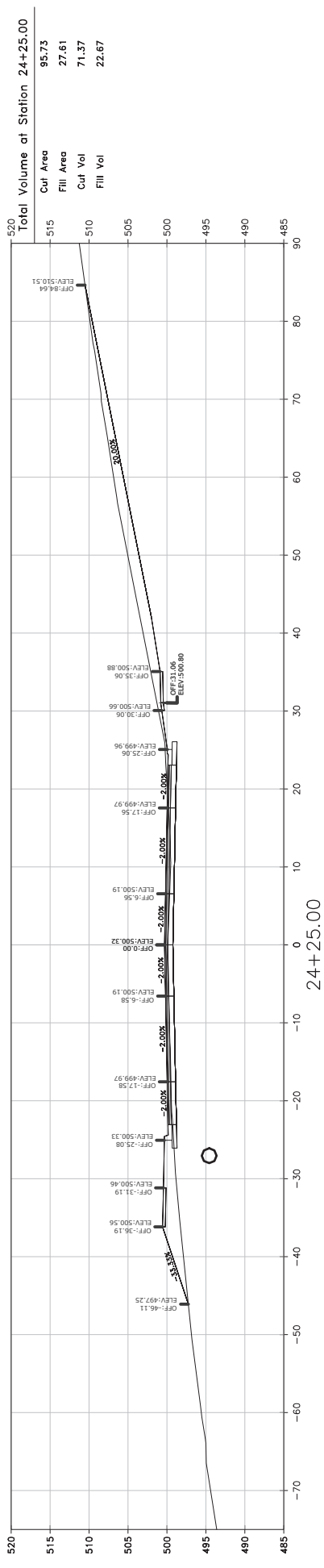
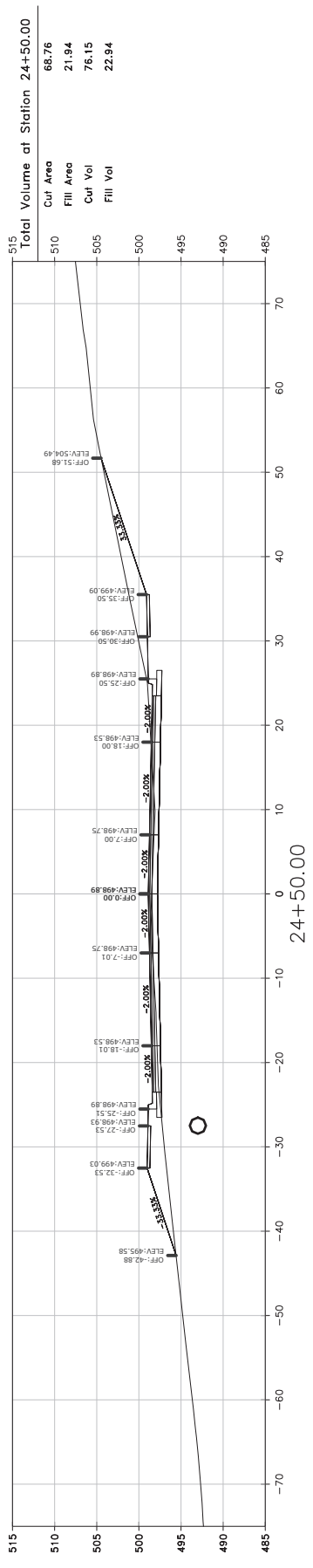
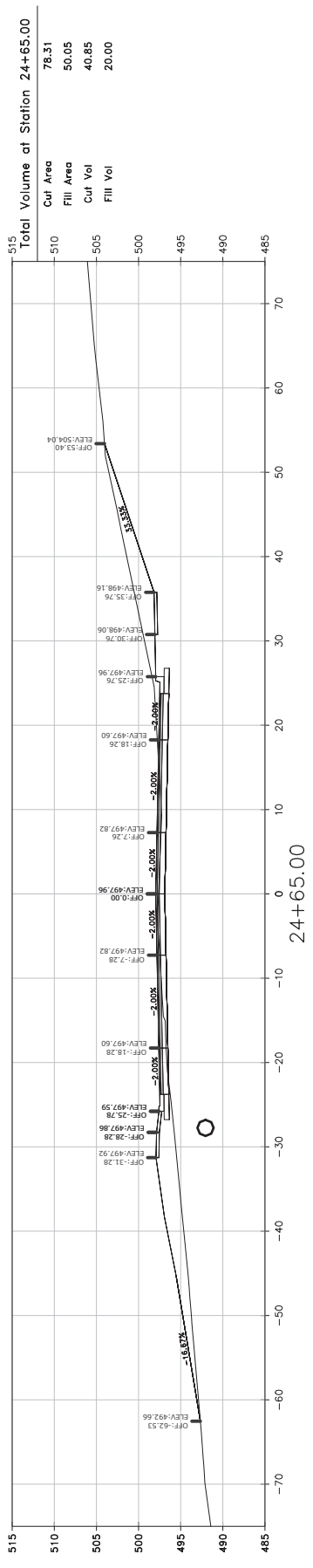
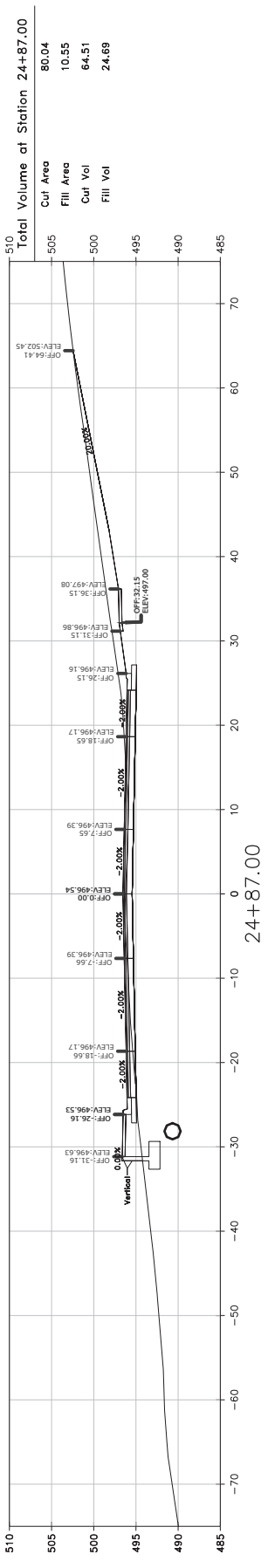
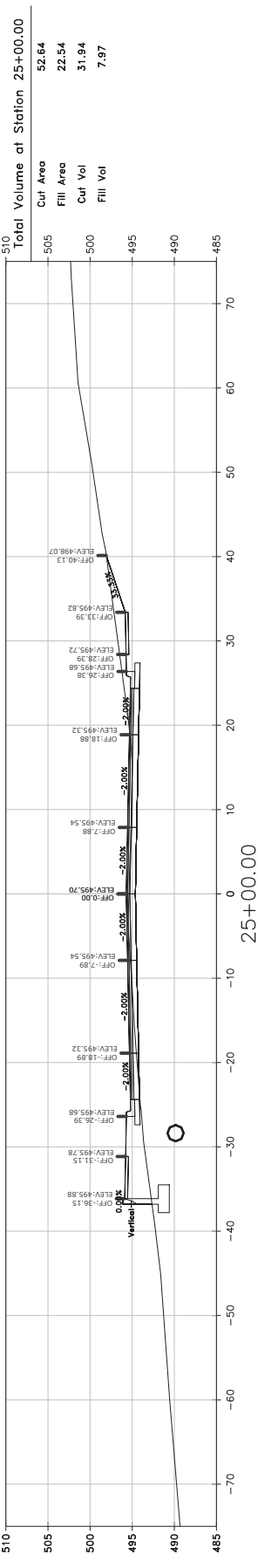


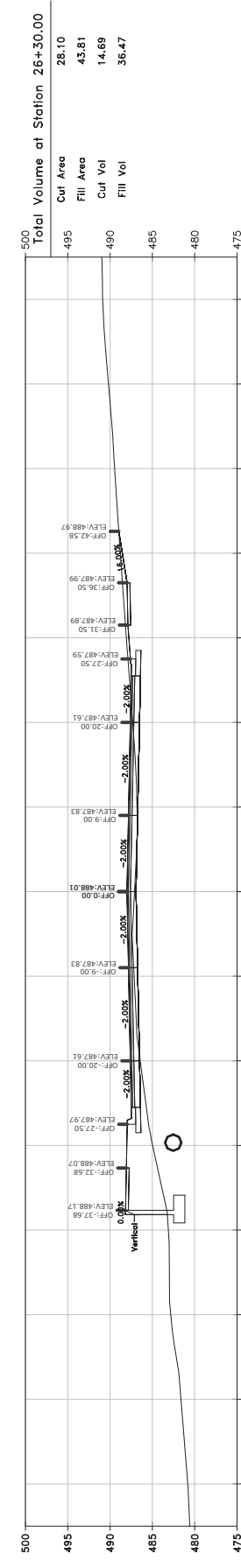
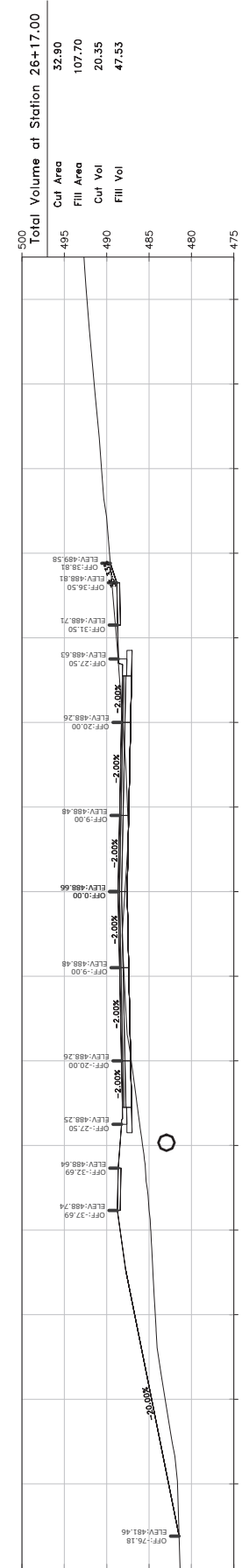
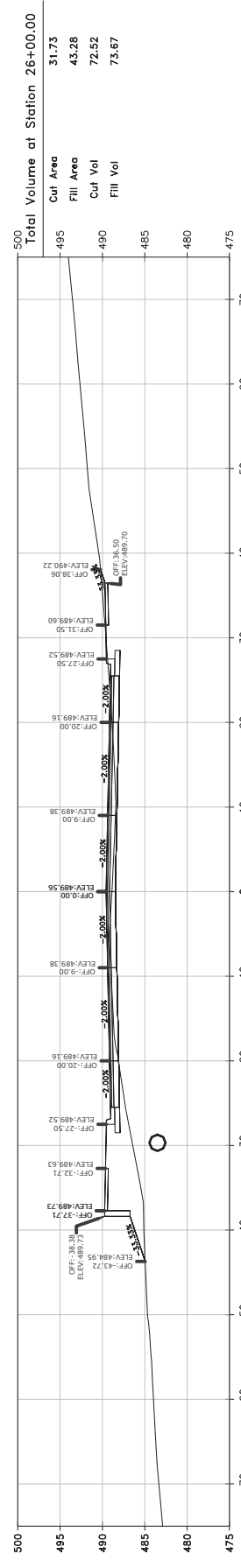
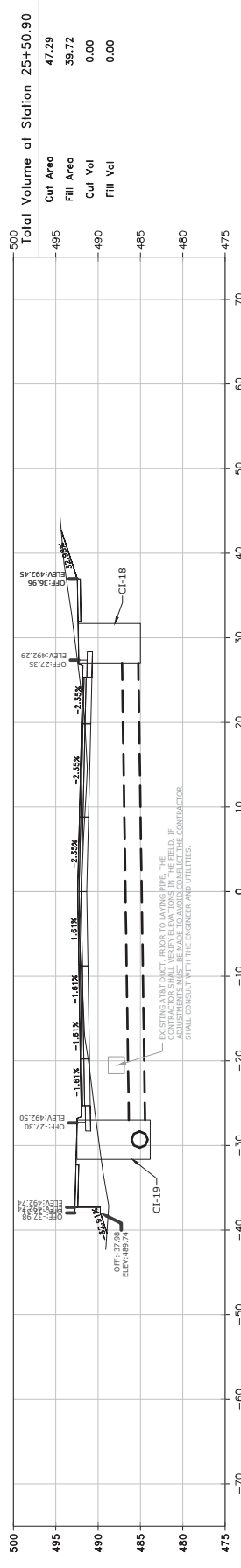
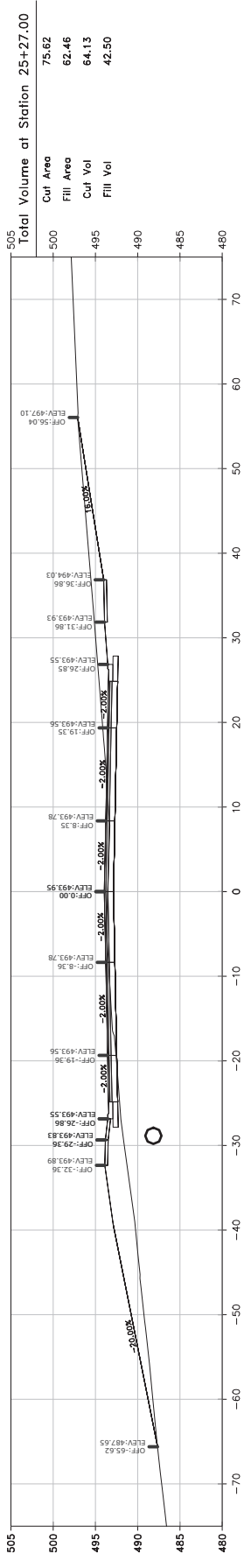
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



DRAWN BY
CGS
DESIGNED
CGS
CHECKED
MK
DATE
04/30/2021
SCALE
AS SHOWN
PROJECT NO.
04-17-ST-202
SHEET NO.
C70

SCALE:
1"=10' HORIZ.
1"=10' VERT.





CROSS SECTIONS

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING




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



REVISIONS DATE

REVISIONS	DATE

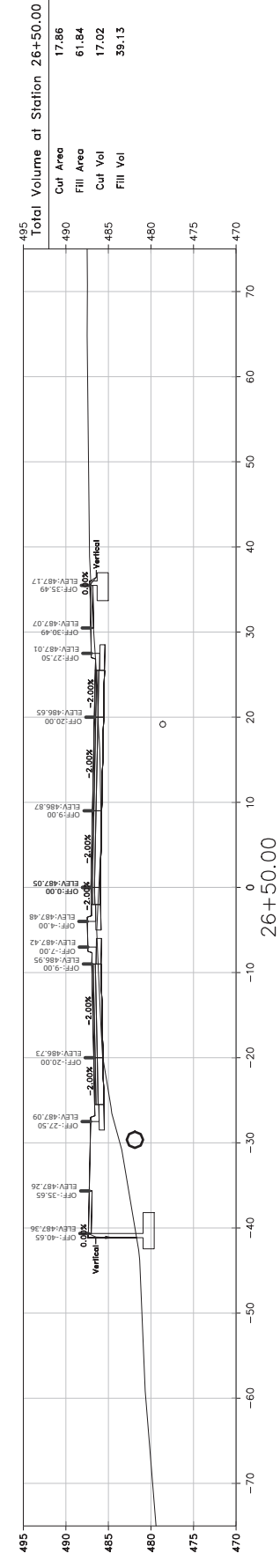
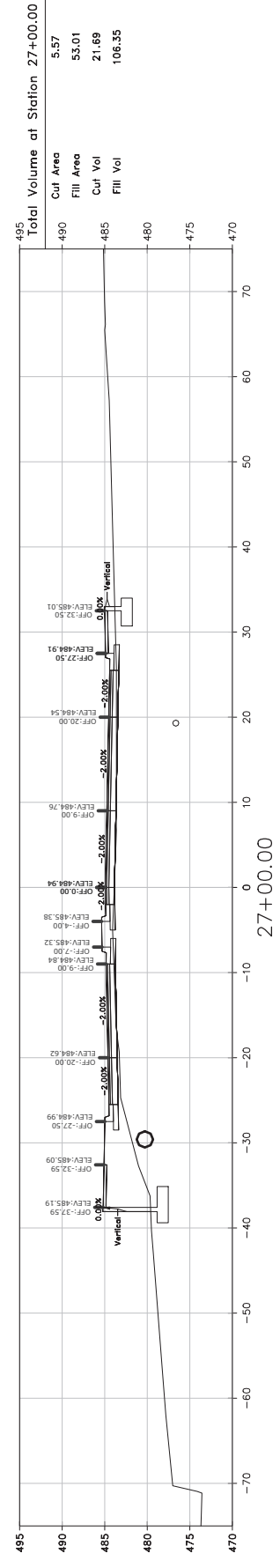
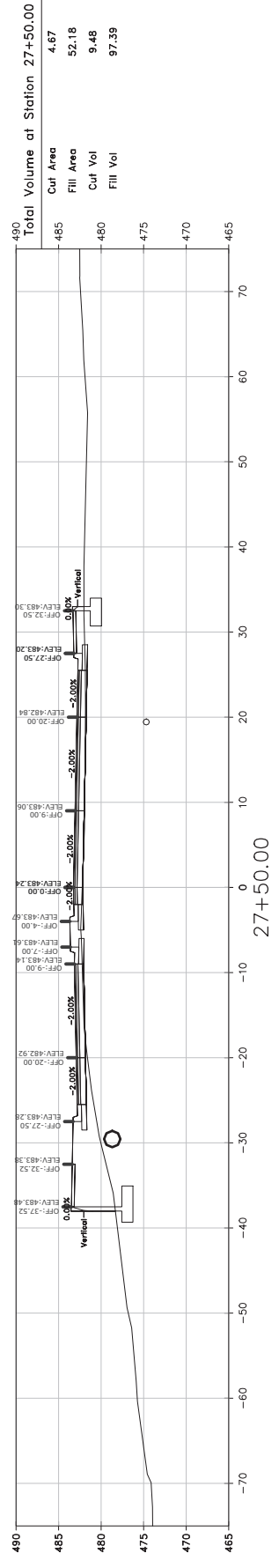
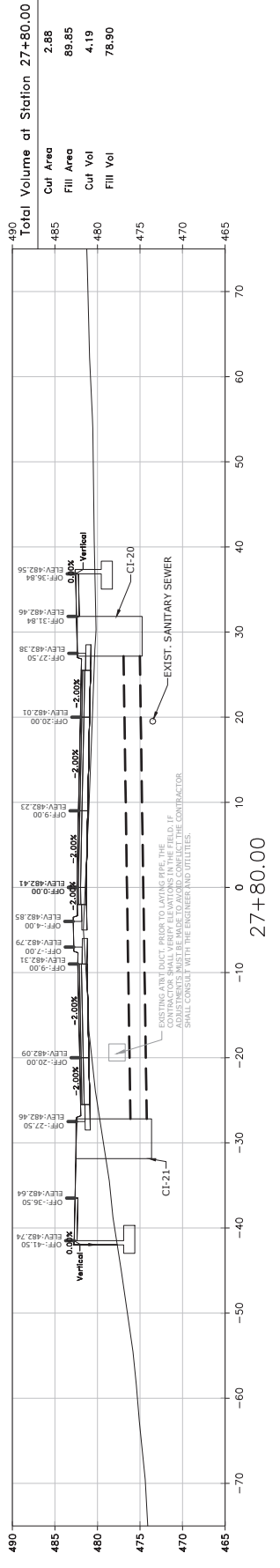
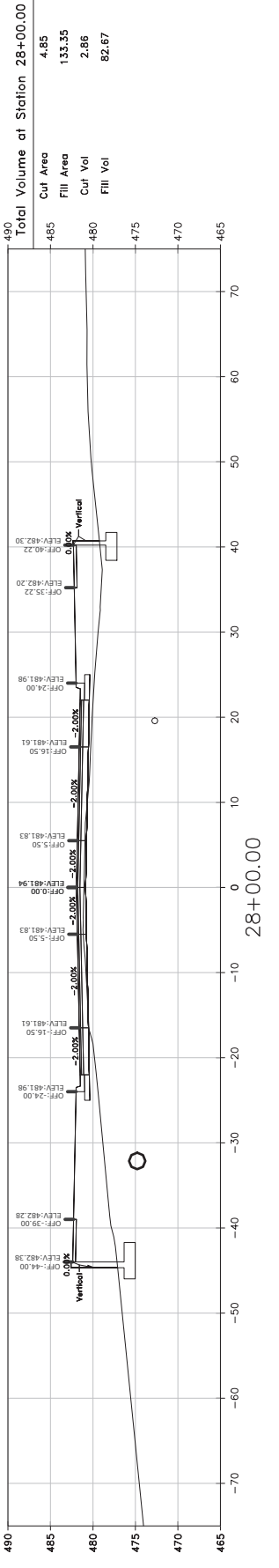
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS



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

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
MK	CGS
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C72

SCALE:
 1"=10' HORIZ.
 1"=10' VERT.



REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS

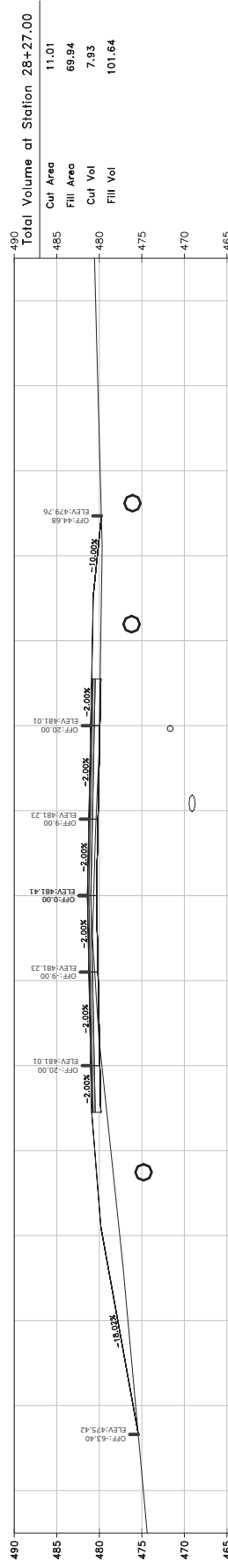
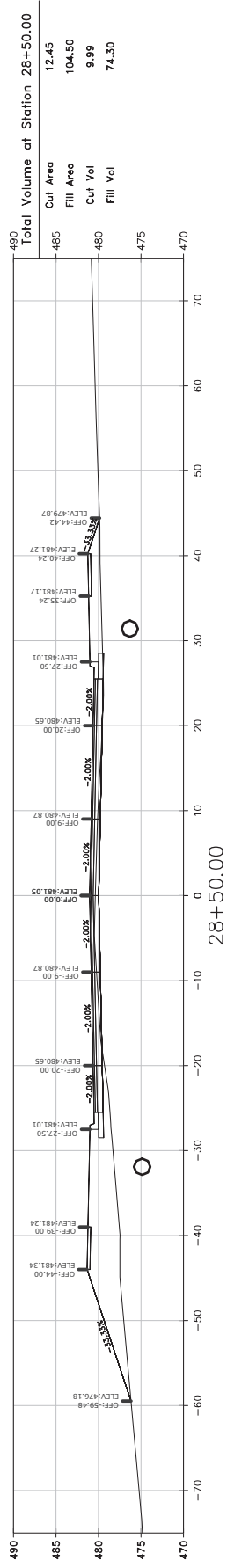
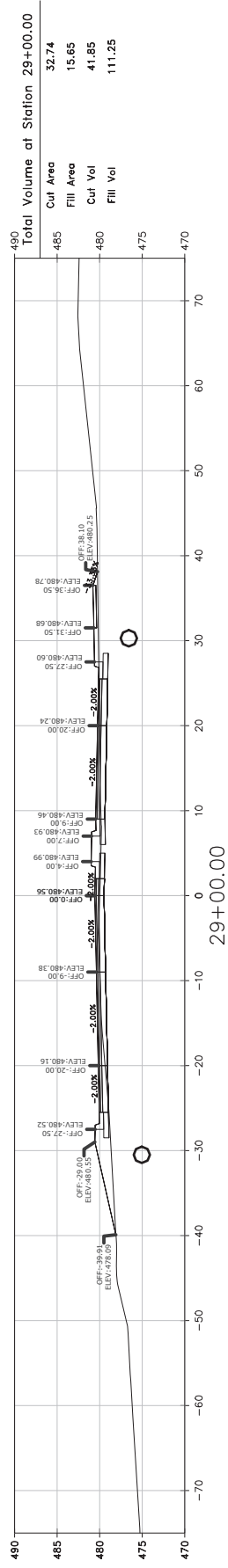
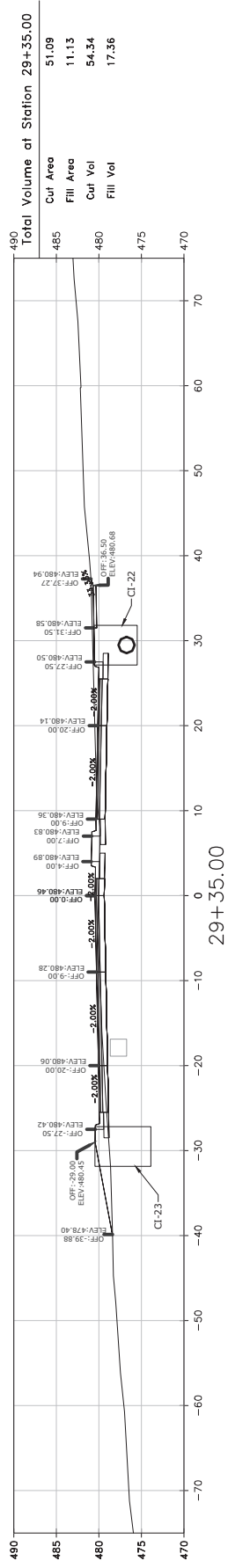
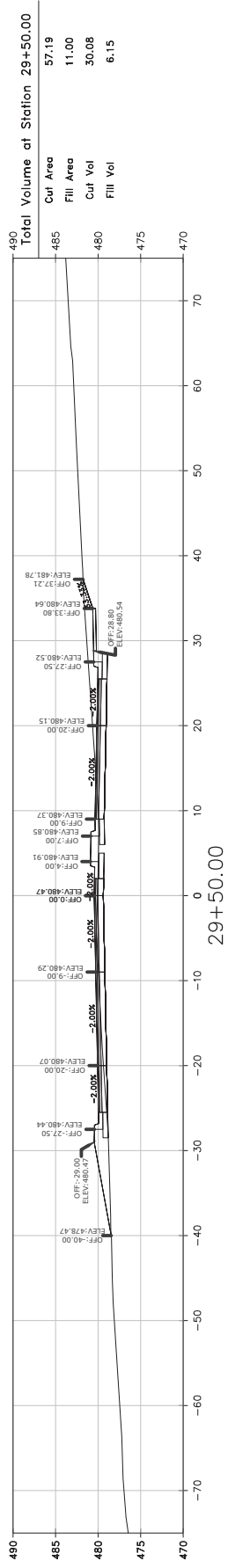
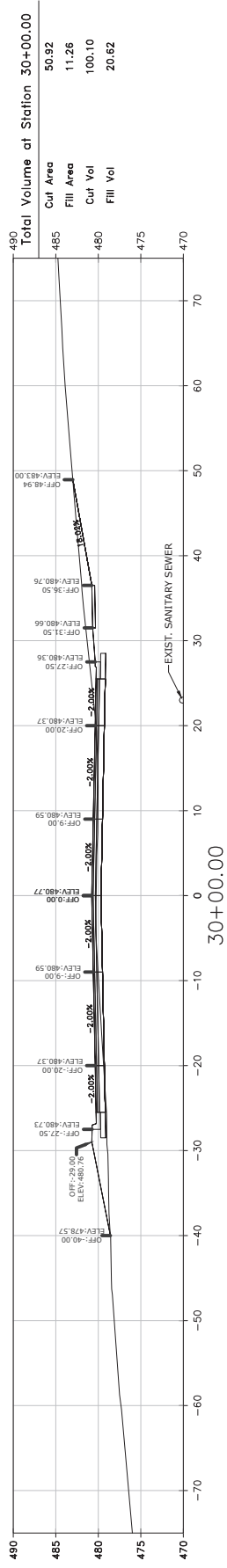


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C73

SCALE:
1"=10' HORIZ.
1"=10' VERT.



REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS

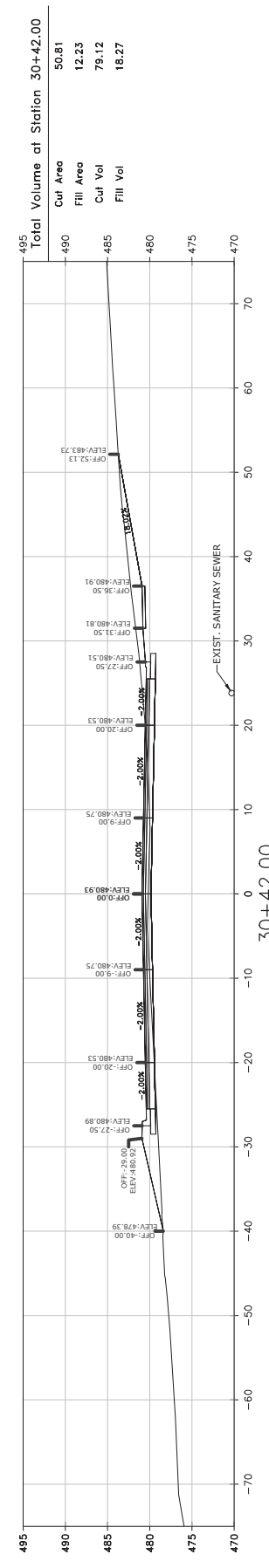
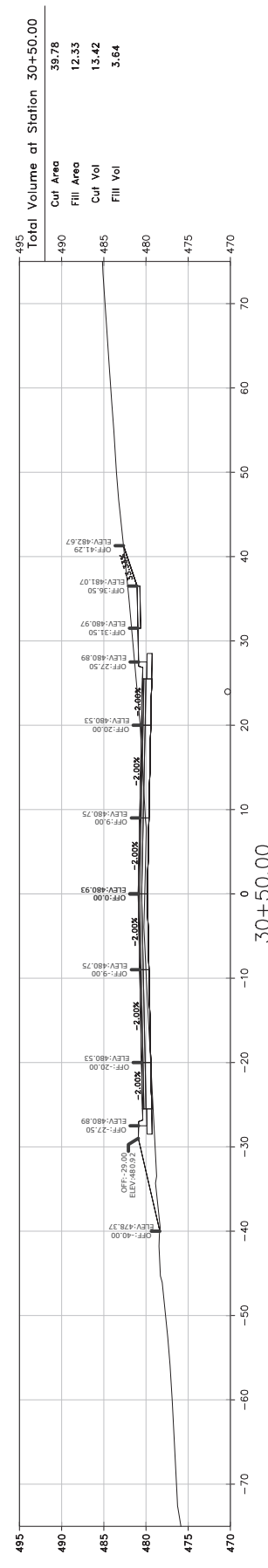
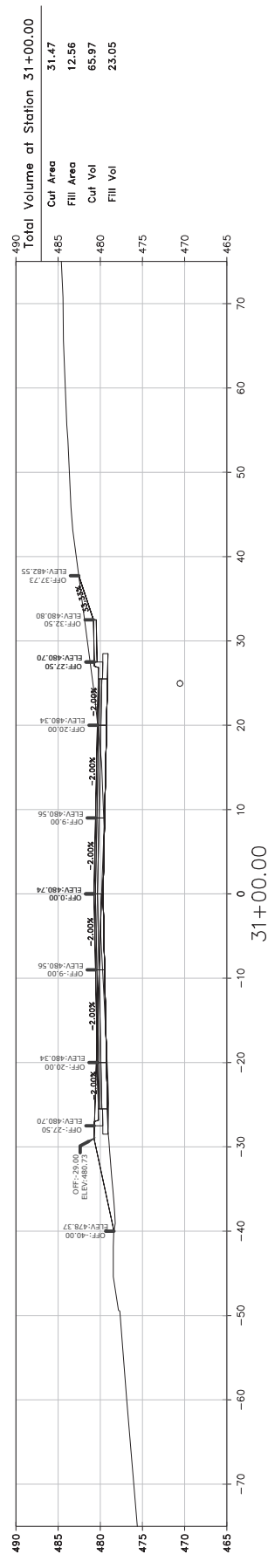
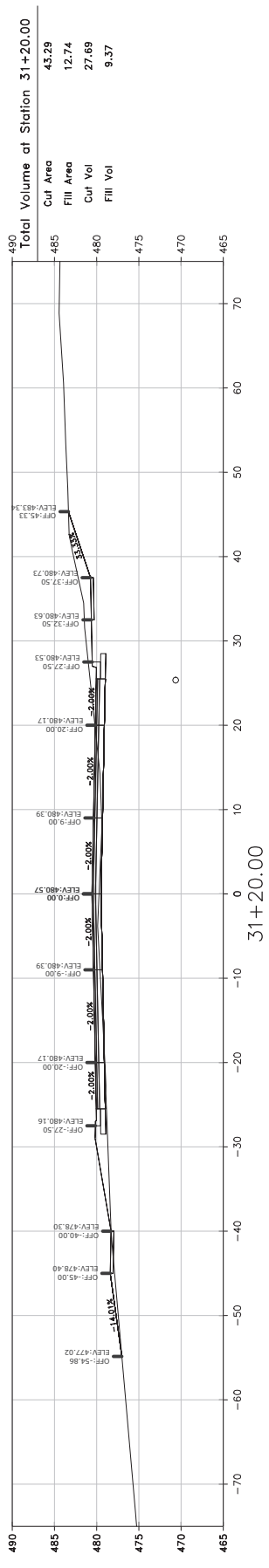
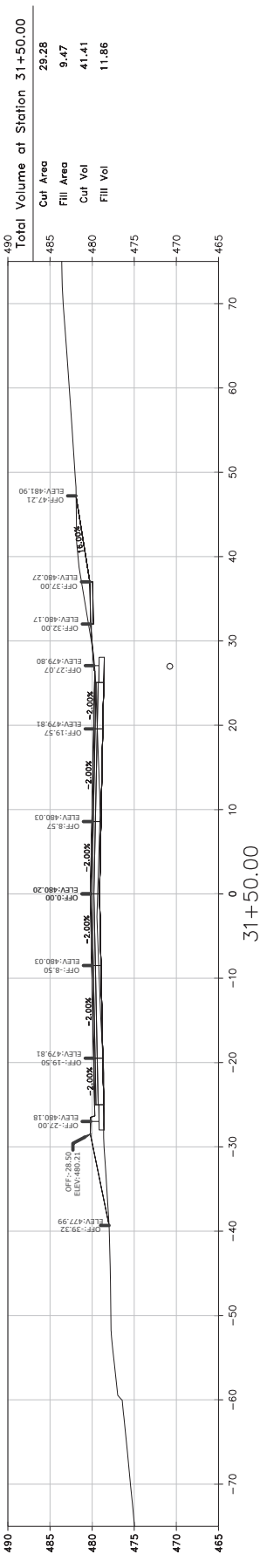


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



DRAWN BY
CGS
DESIGNED
CGS
CHECKED
MK
DATE
04/30/2021
SCALE
AS SHOWN
PROJECT NO.
04-17-ST-202
SHEET NO.
C74

SCALE:
1"=10' HORIZ.
1"=10' VERT.



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS



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



DRAWN BY
CGS

DESIGNED
CGS

CHECKED
MK

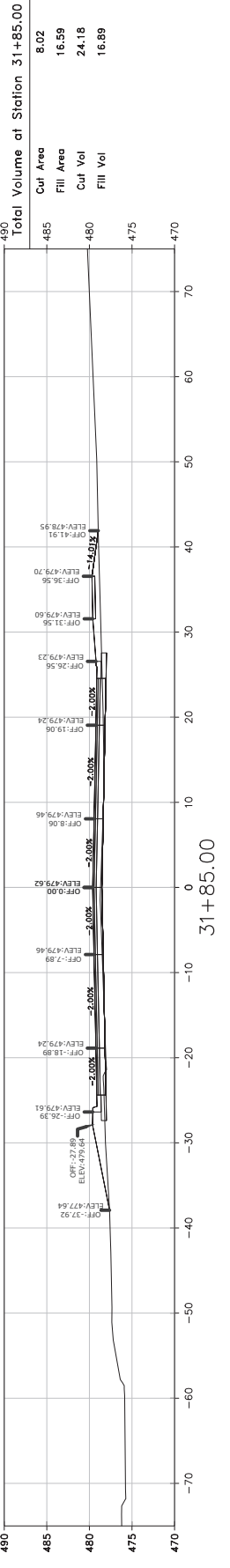
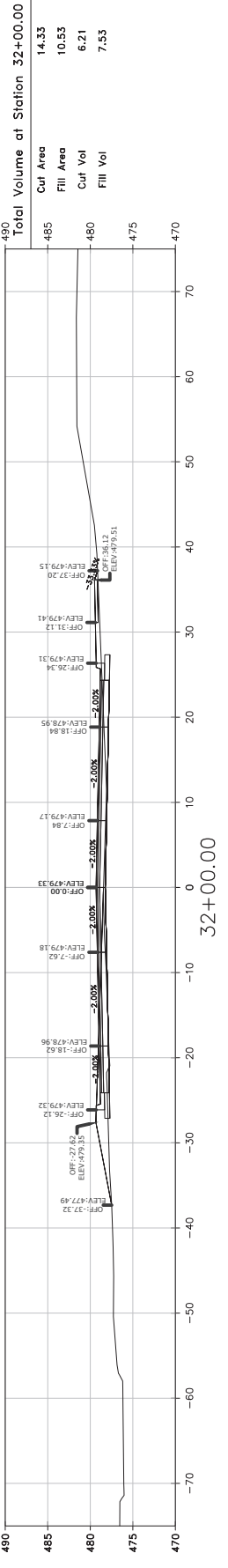
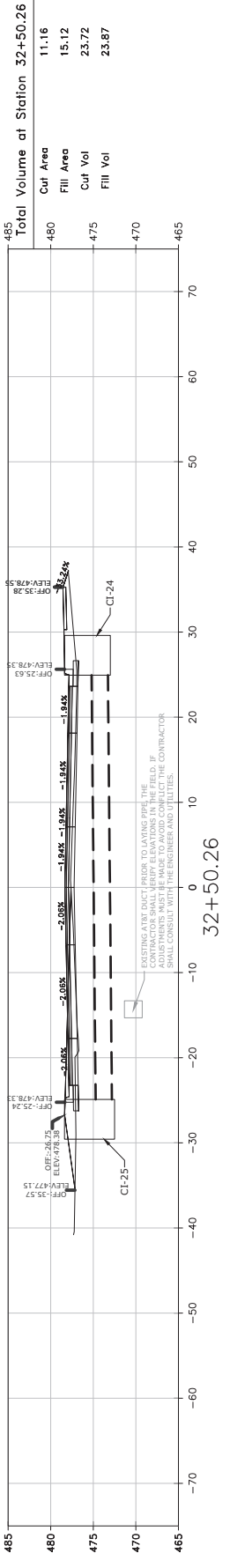
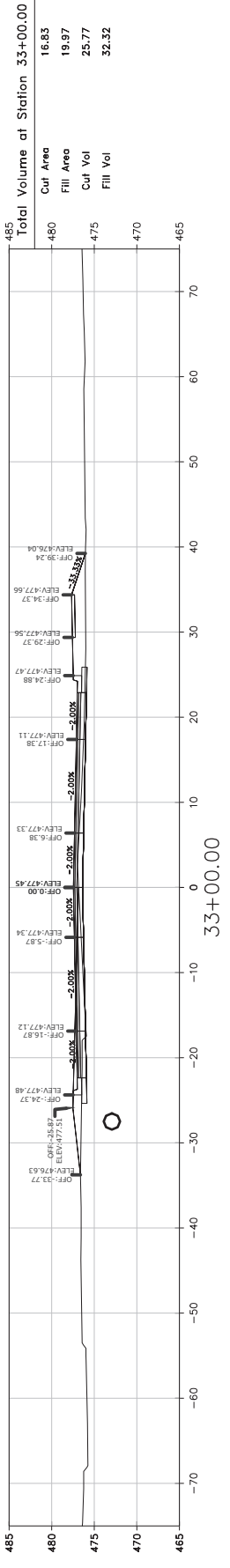
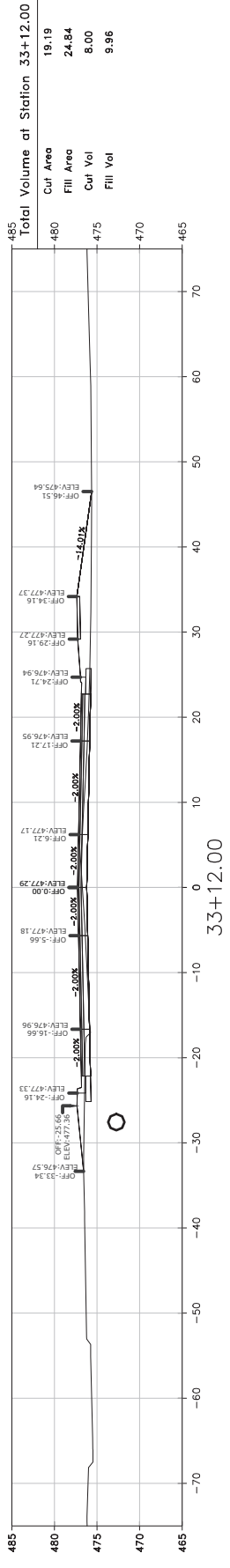
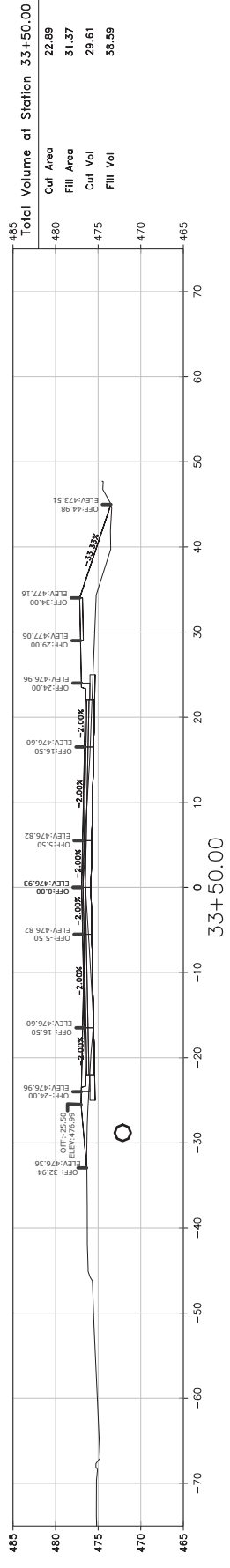
DATE
04/30/2021

SCALE
AS SHOWN

PROJECT NO.
04-17-ST-202


SHEET NO.
C75

SCALE:
1"=10' HORIZ.
1"=10' VERT.



REVISIONS	DATE

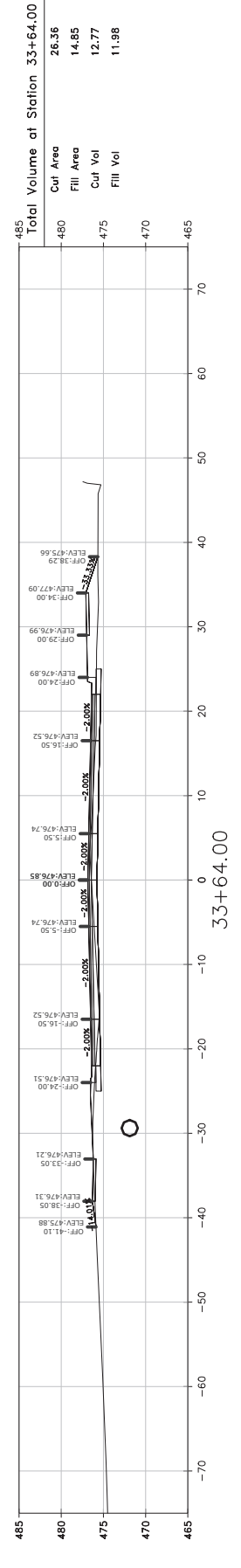
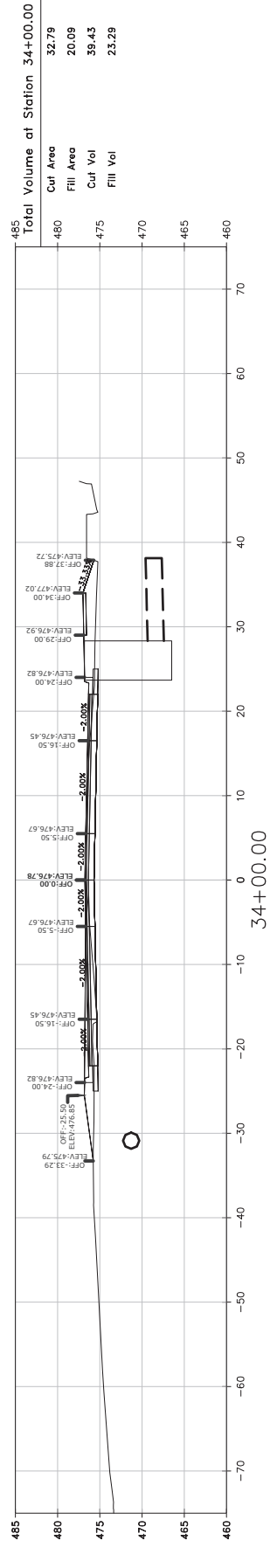
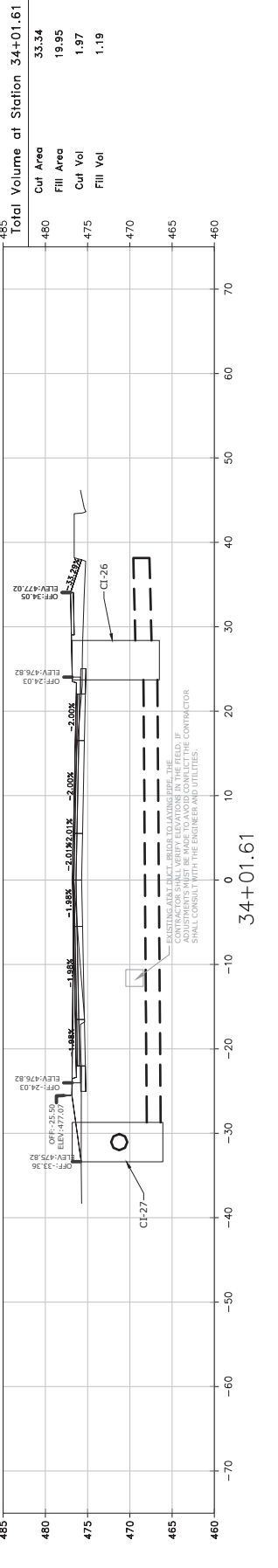
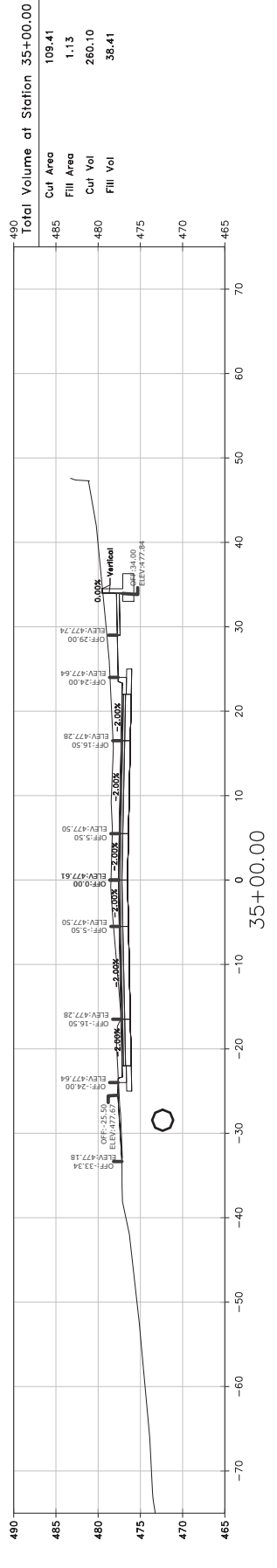
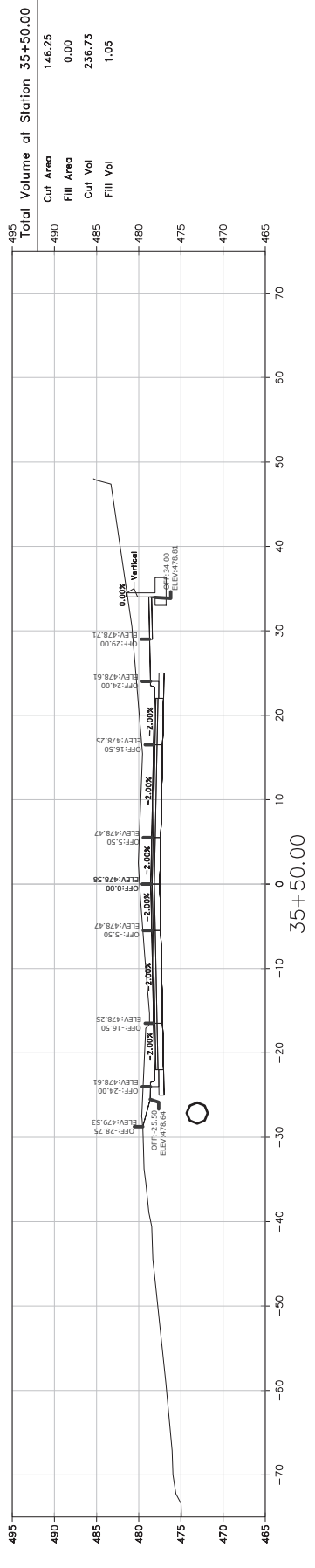
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS


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

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
MK	
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C76


DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
MK	
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C76

SCALE:
1"=10' HORIZ.
1"=10' VERT.

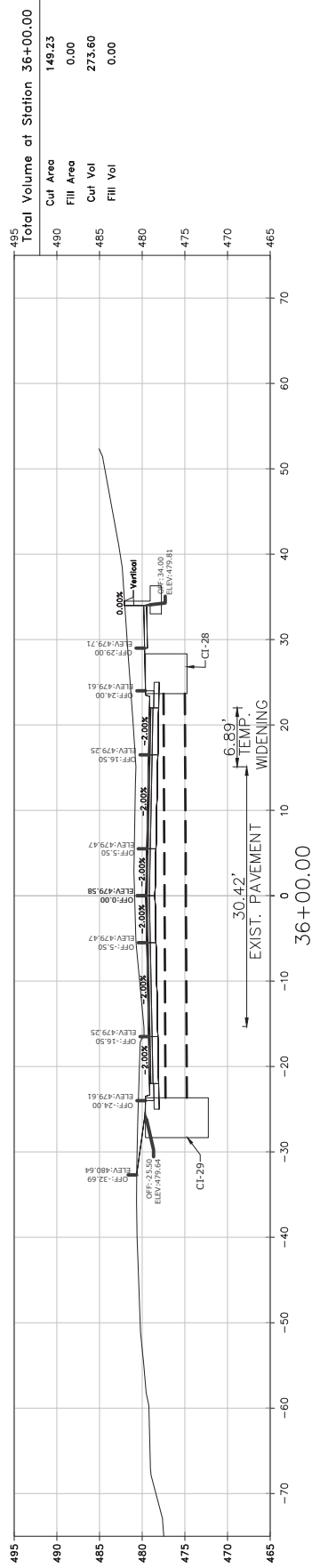
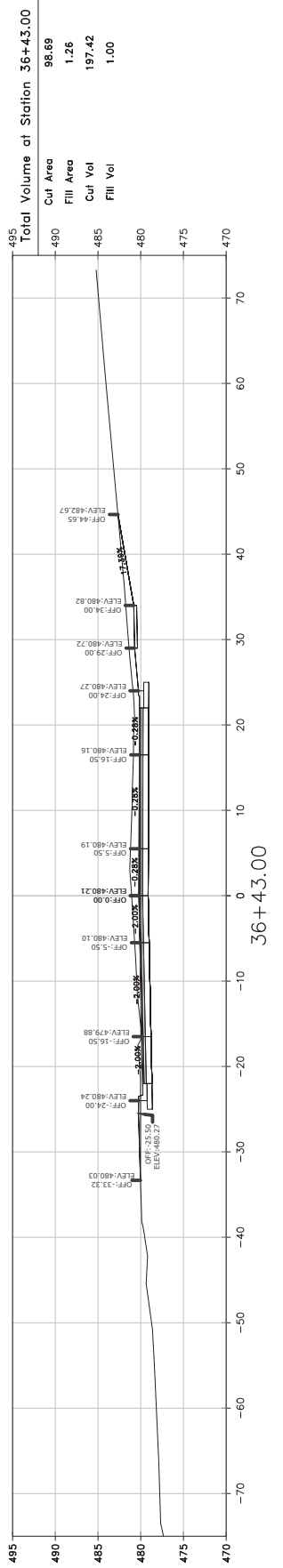
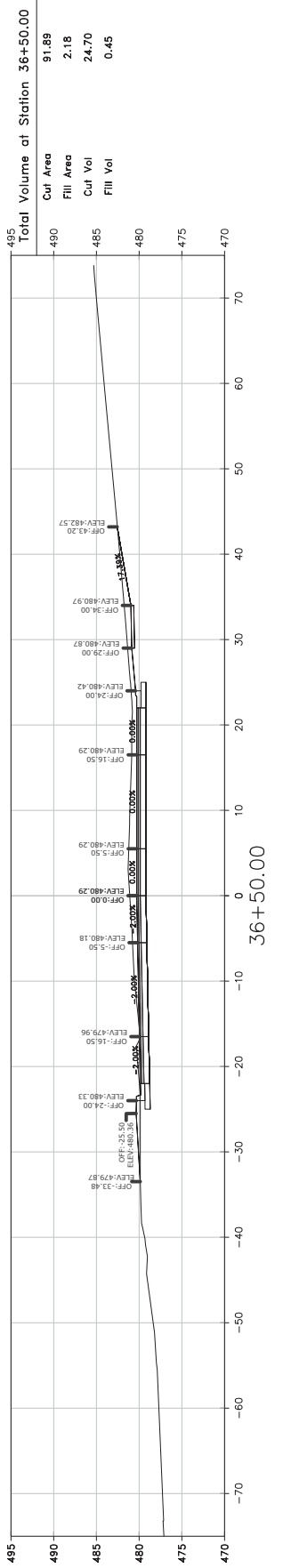
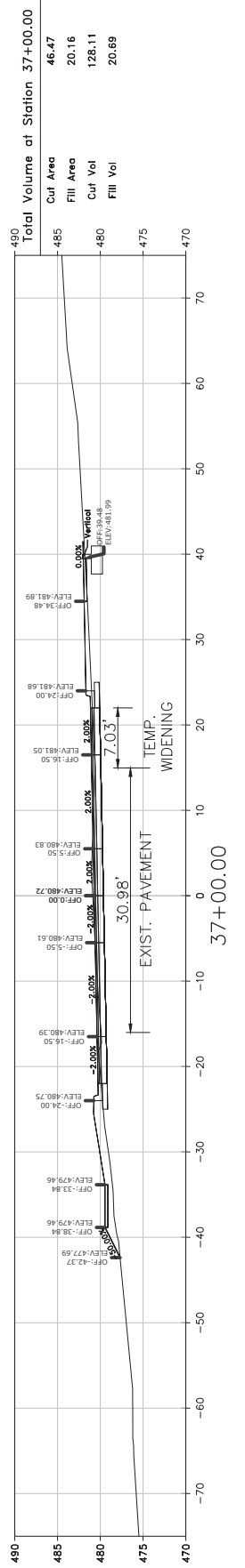
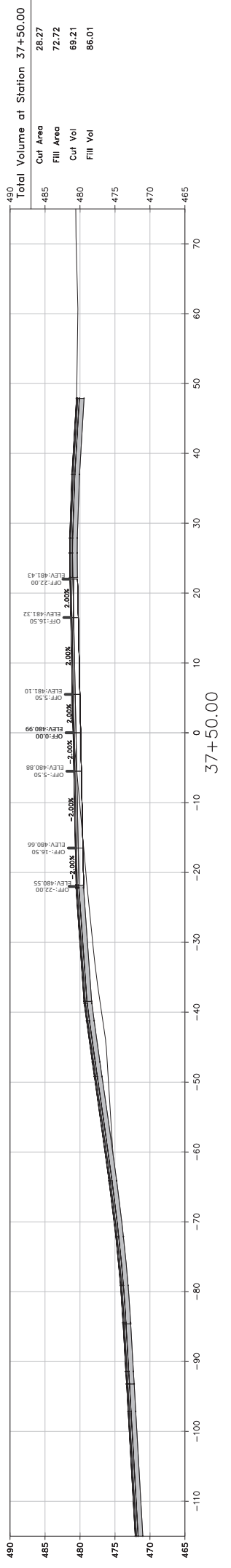


REVISIONS	DATE
ADDENDUM 3	

**CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS**


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

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C77



SCALE:
1"=10' HORIZ.
1"=10' VERT.

REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS

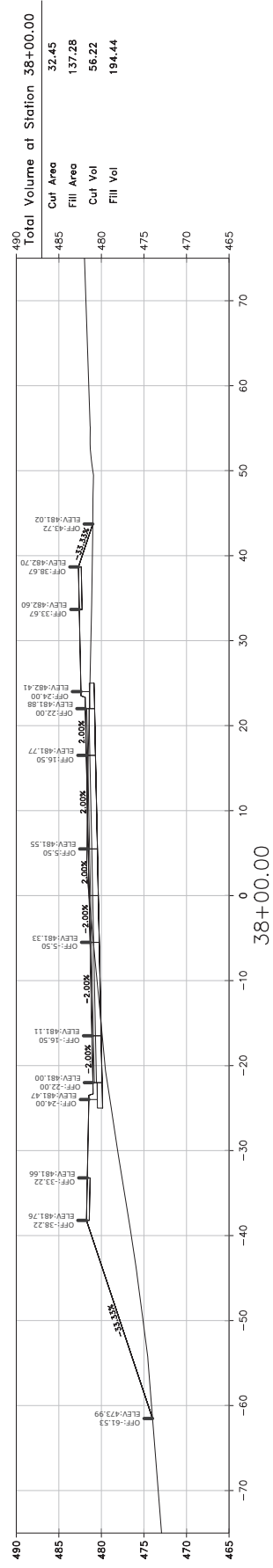
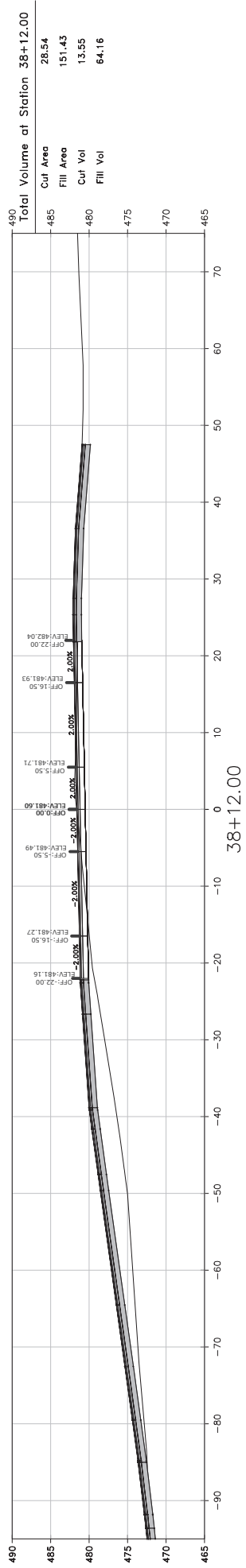
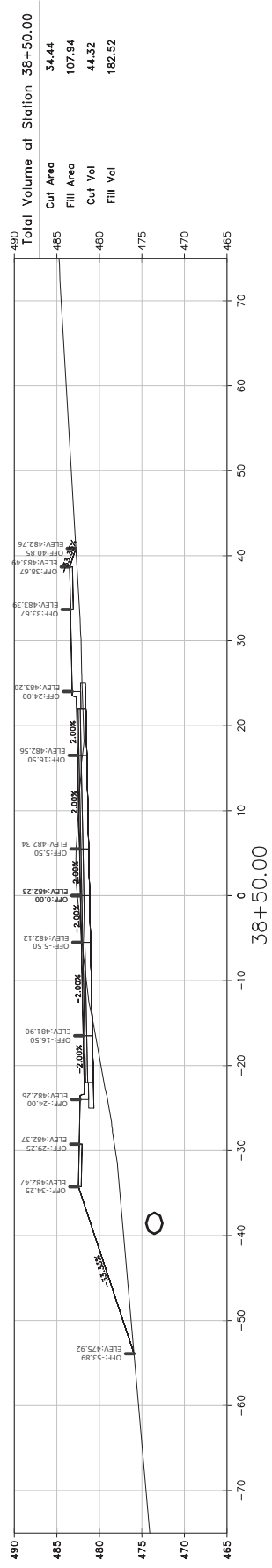
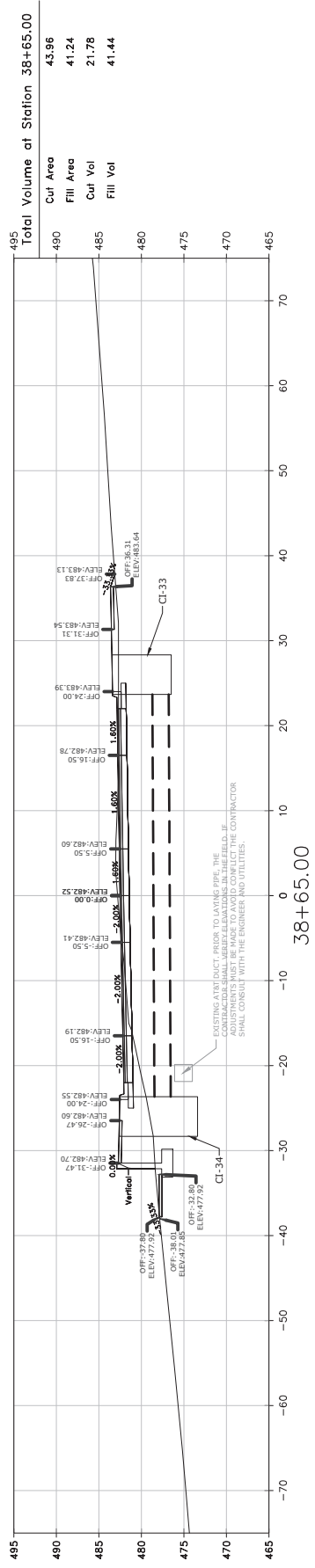
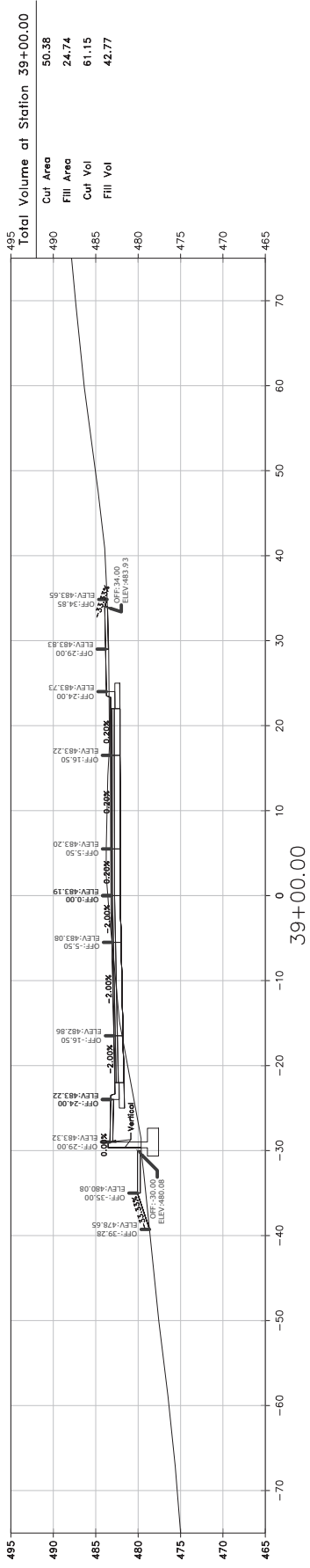


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201




DRAWN BY
CGS
DESIGNED
CGS
CHECKED
MK
DATE
04/30/2021
SCALE
AS SHOWN
PROJECT NO.
04-17-ST-202
SHEET NO.
C78

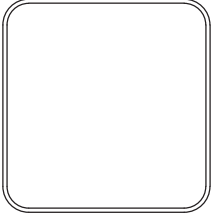
SCALE:
1"=10' HORIZ.
1"=10' VERT.



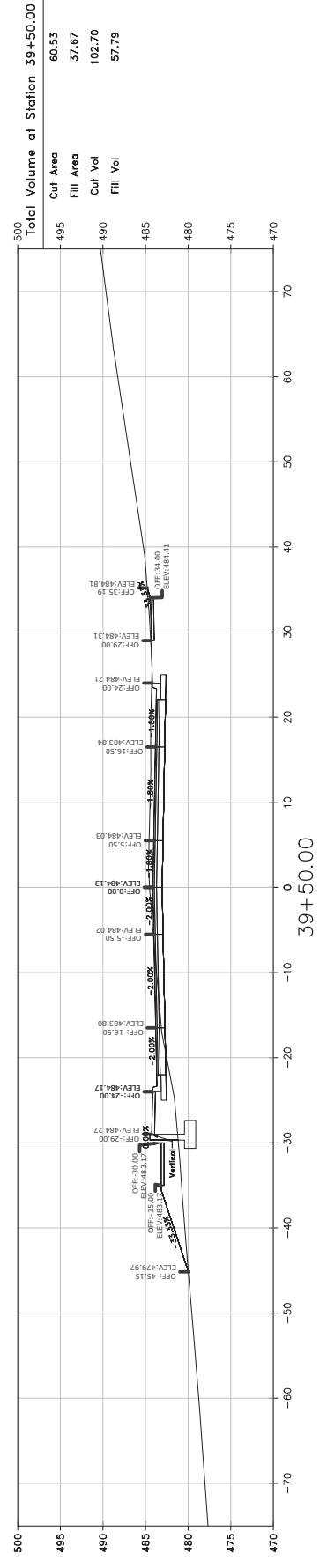
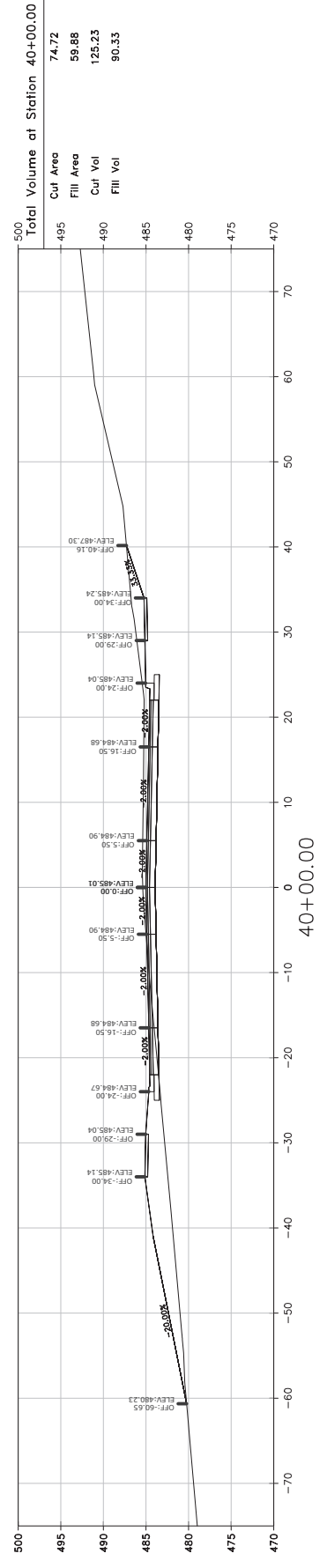
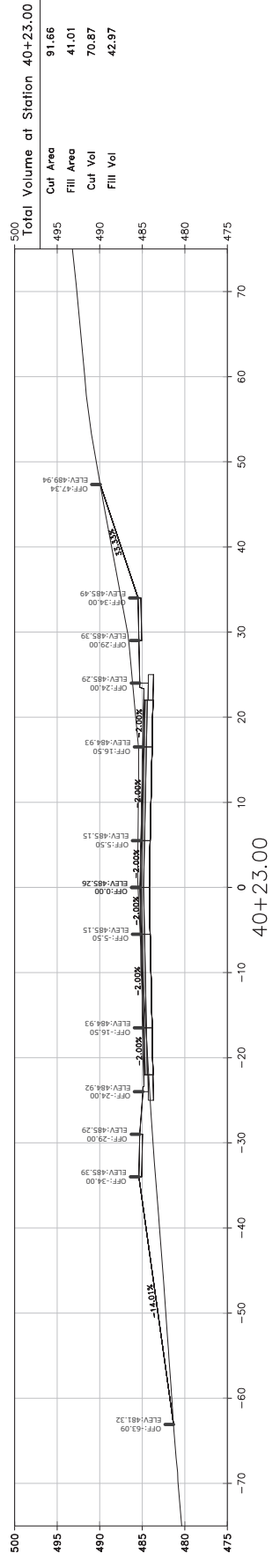
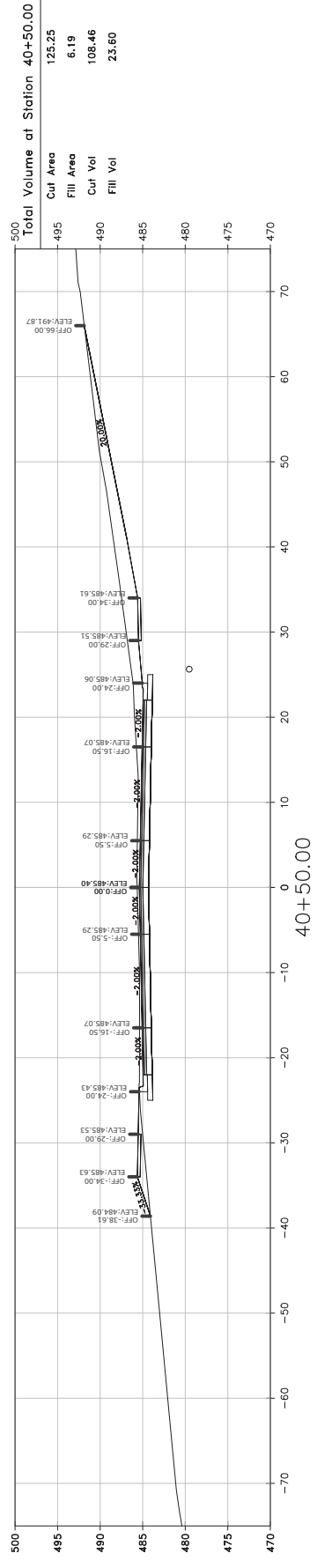
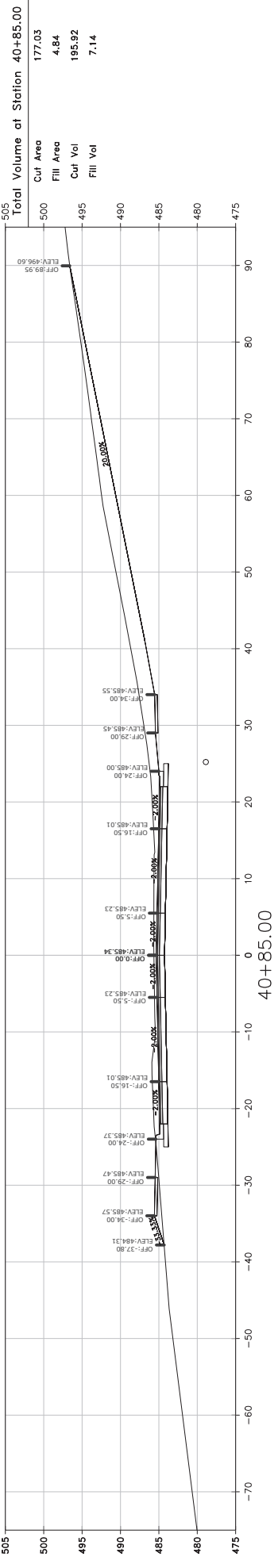
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS


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



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C79



SCALE:
 1"=10' HORIZ.
 1"=10' VERT.

REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS N. RODNEY PARHAM ROAD WIDENING

CROSS SECTIONS

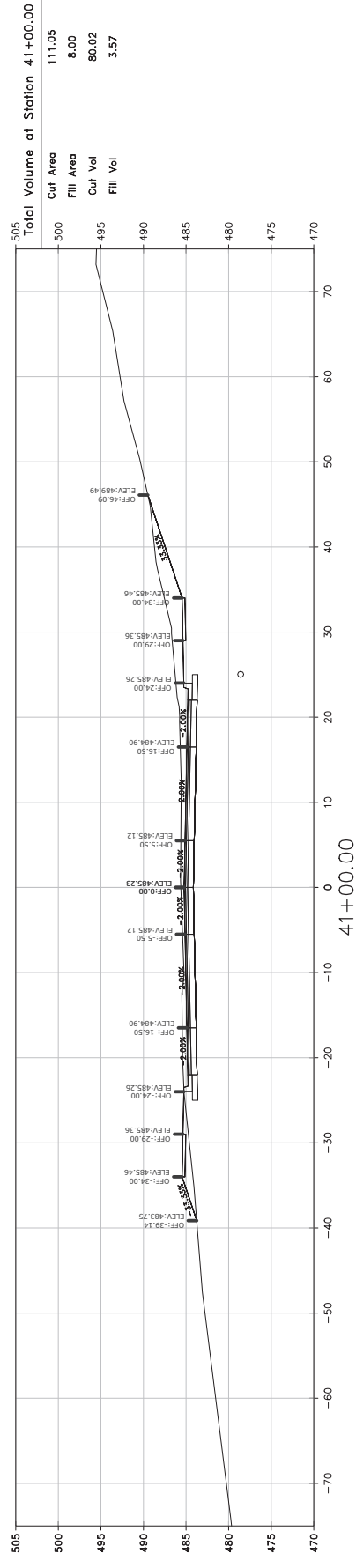
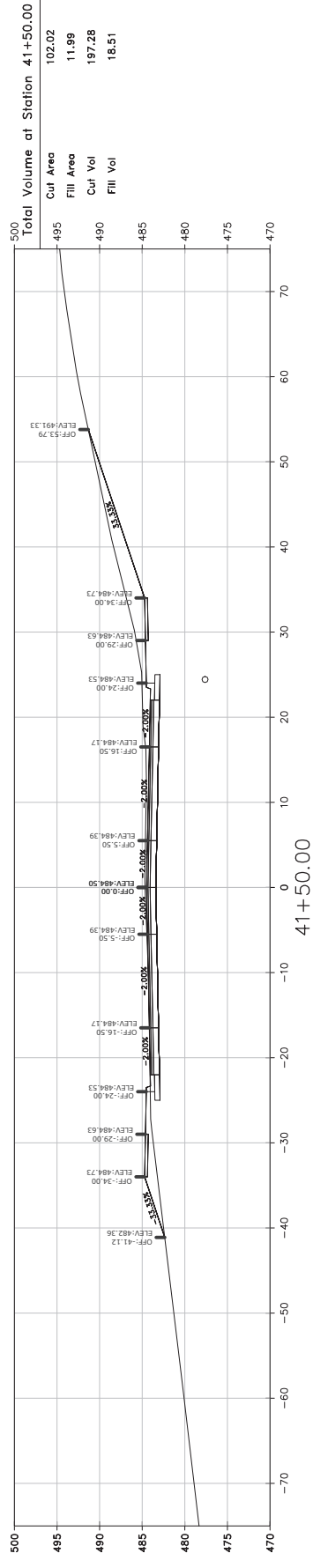
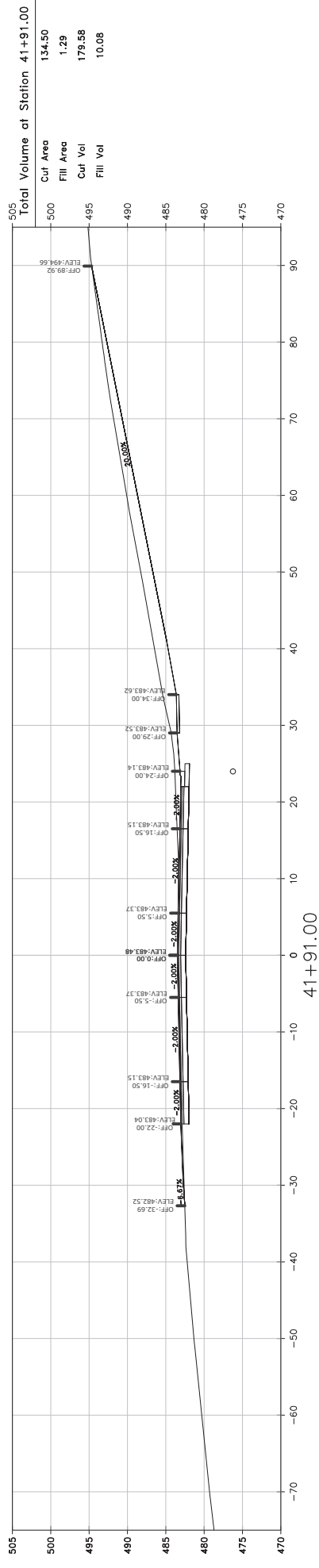
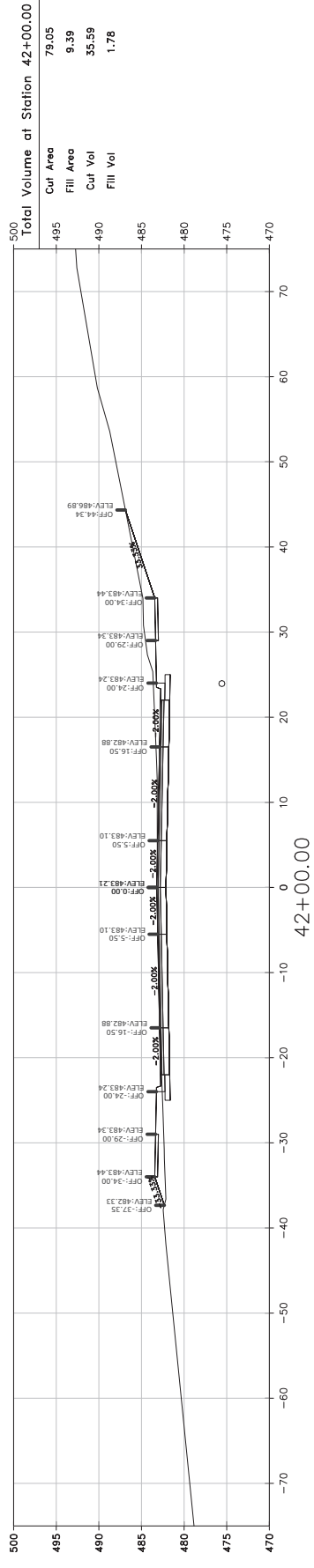


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



DRAWN BY
CGS
DESIGNED
CGS
CHECKED
MK
DATE
04/30/2021
SCALE
AS SHOWN
PROJECT NO.
04-17-ST-202
SHEET NO.
C80

SCALE:
1"=10' HORIZ.
1"=10' VERT.



CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 CROSS SECTIONS

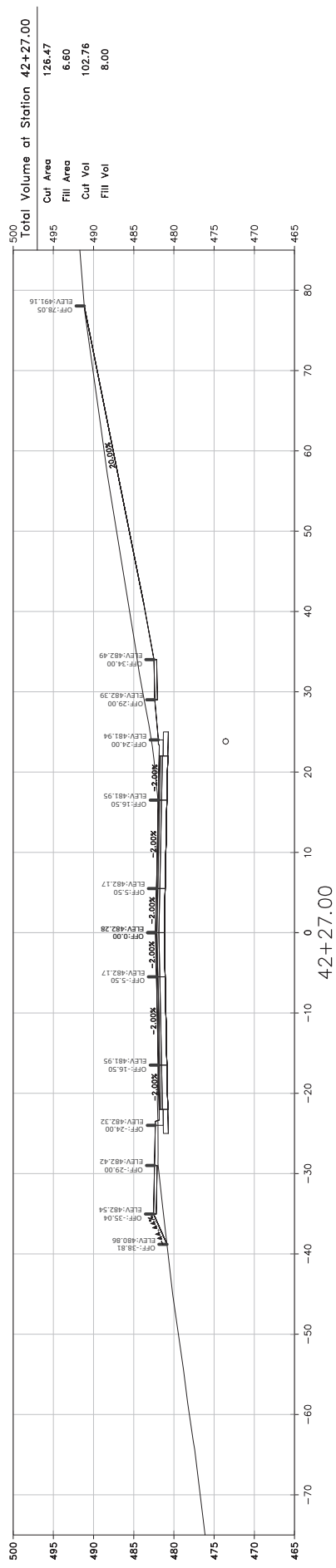
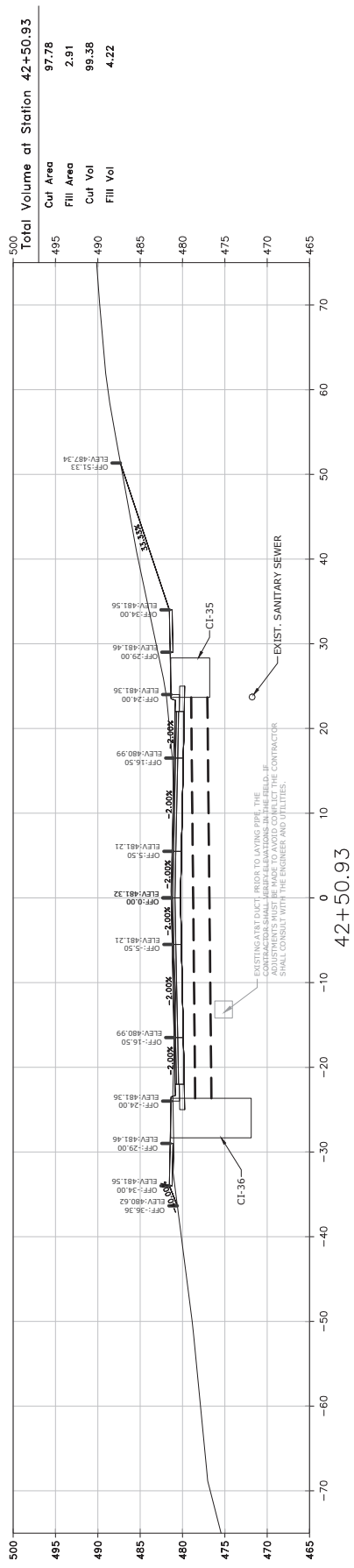
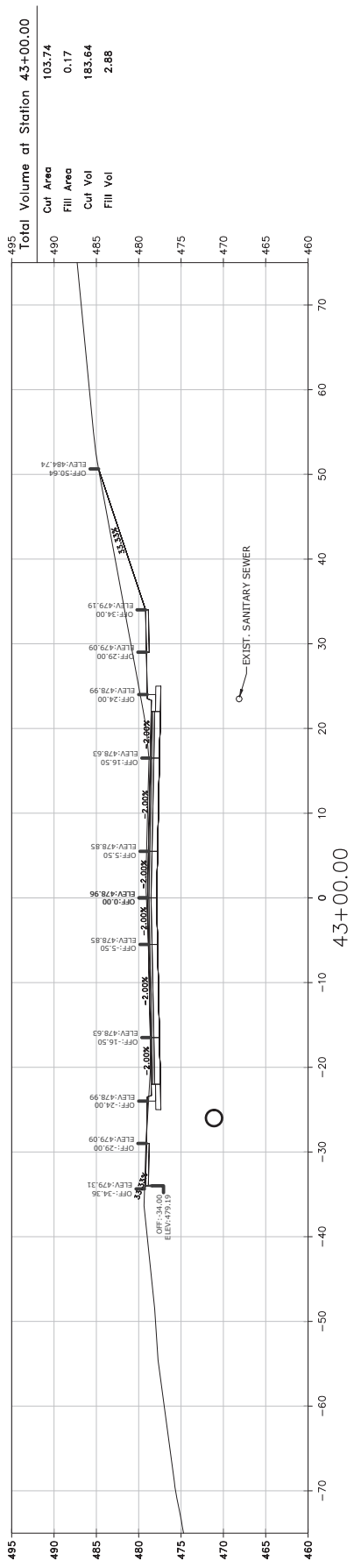
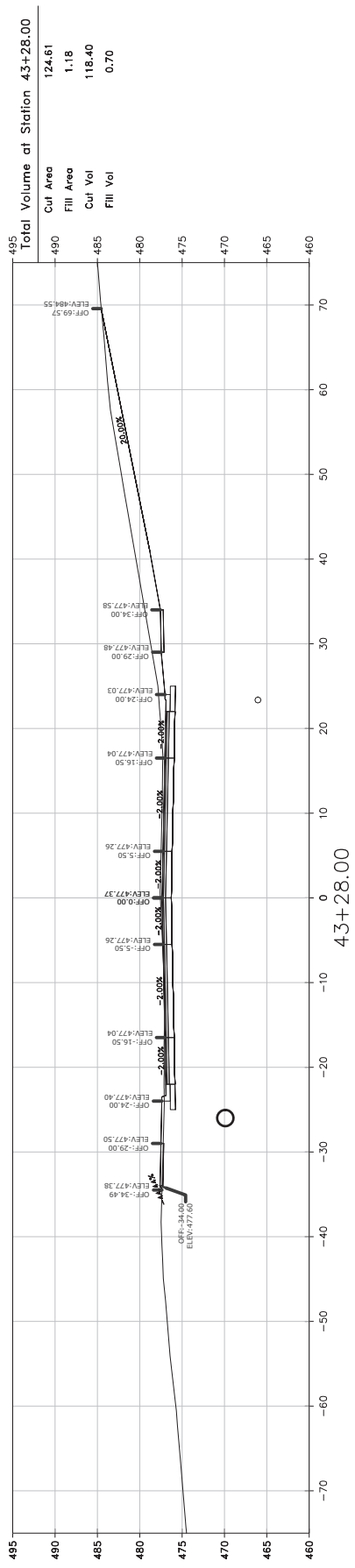


DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201




DRAWN BY
 CGS
 DESIGNED
 CGS
 CHECKED
 MK
 DATE
 04/30/2021
 SCALE
 AS SHOWN
 PROJECT NO.
 04-17-ST-202
 SHEET NO.
C81

SCALE:
 1"=10' HORIZ.
 1"=10' VERT.



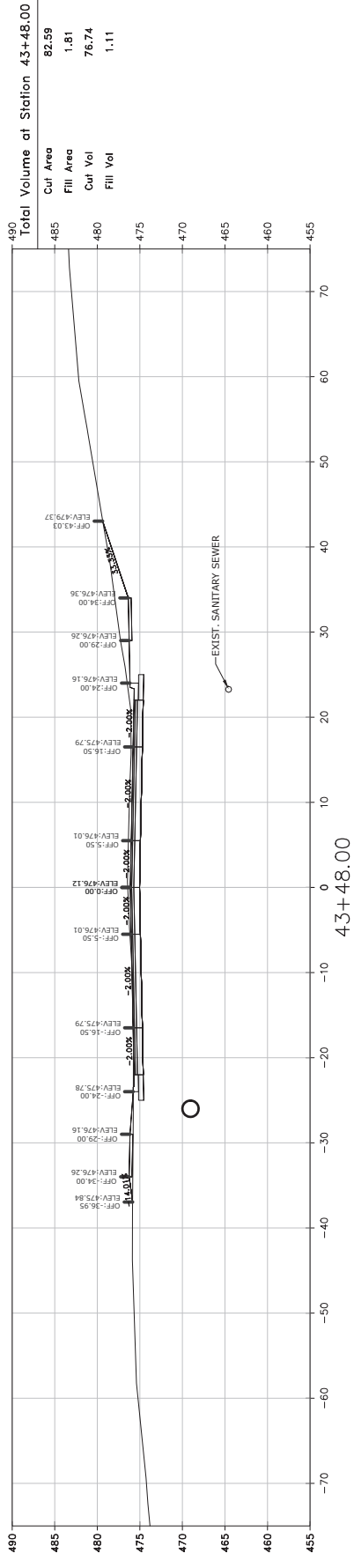
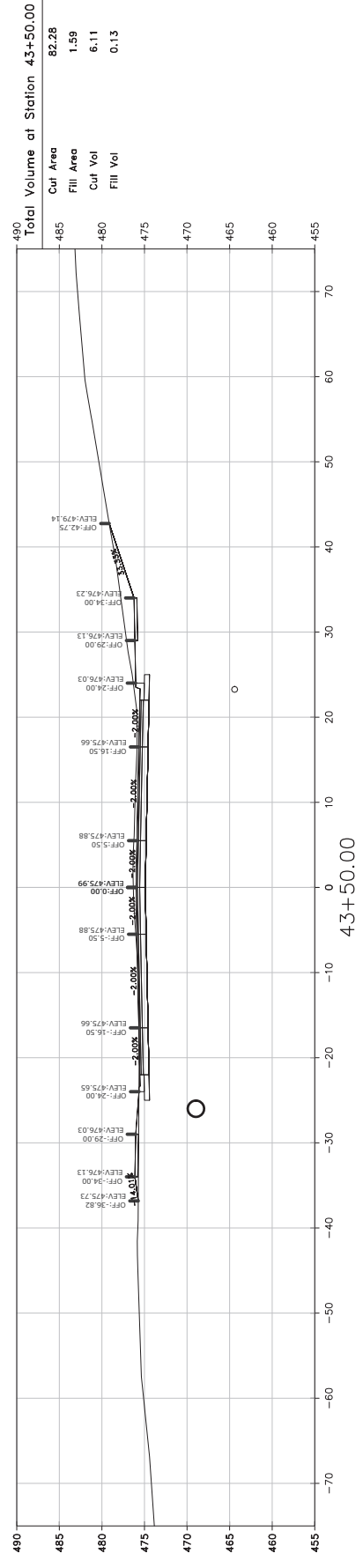
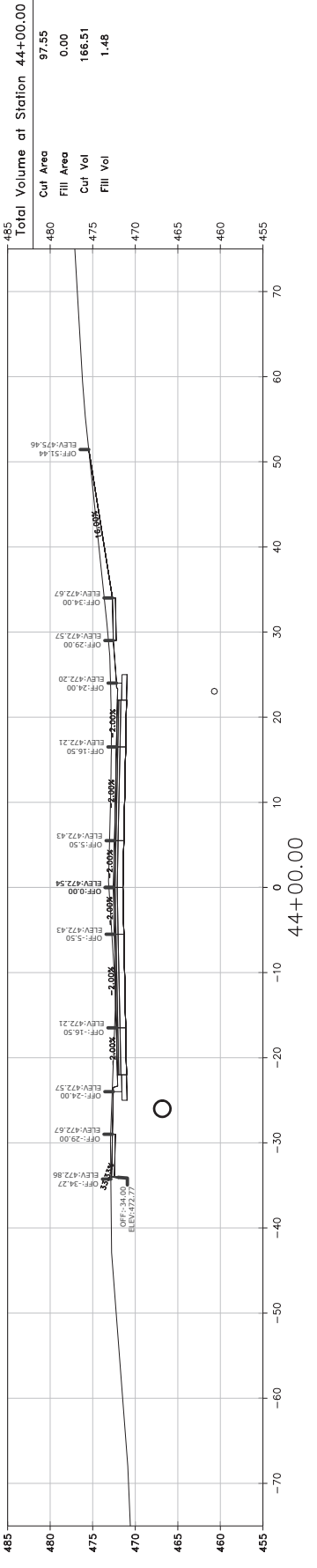
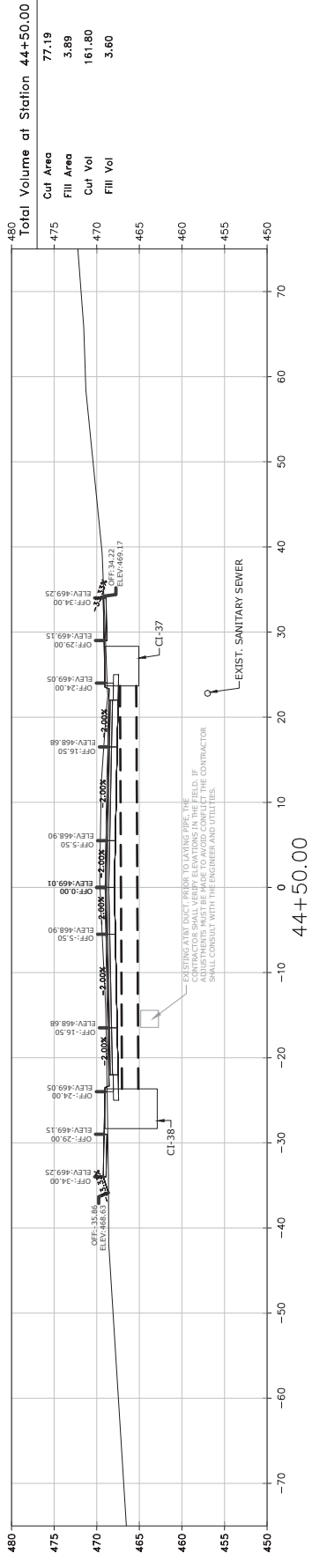
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS


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

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
MK	
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C82

SCALE:
1"=10' HORIZ.
1"=10' VERT.



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS

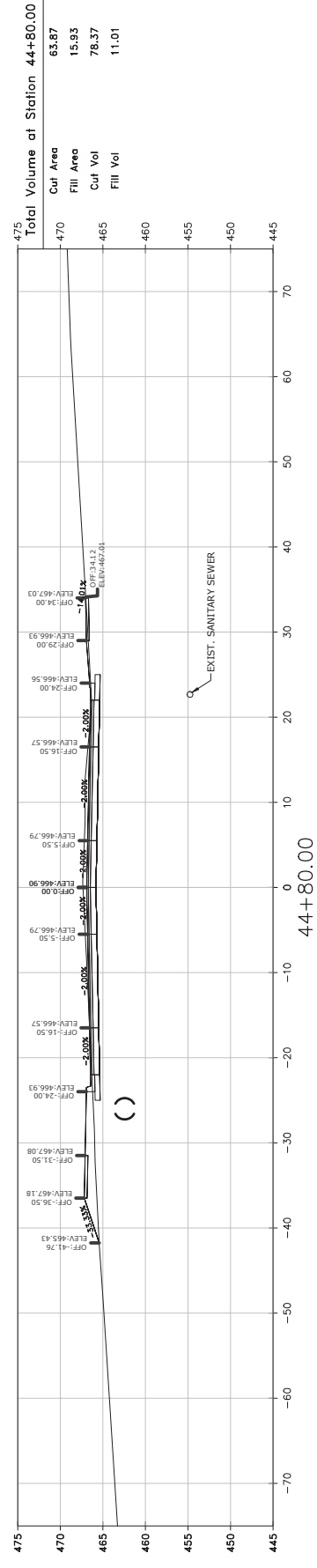
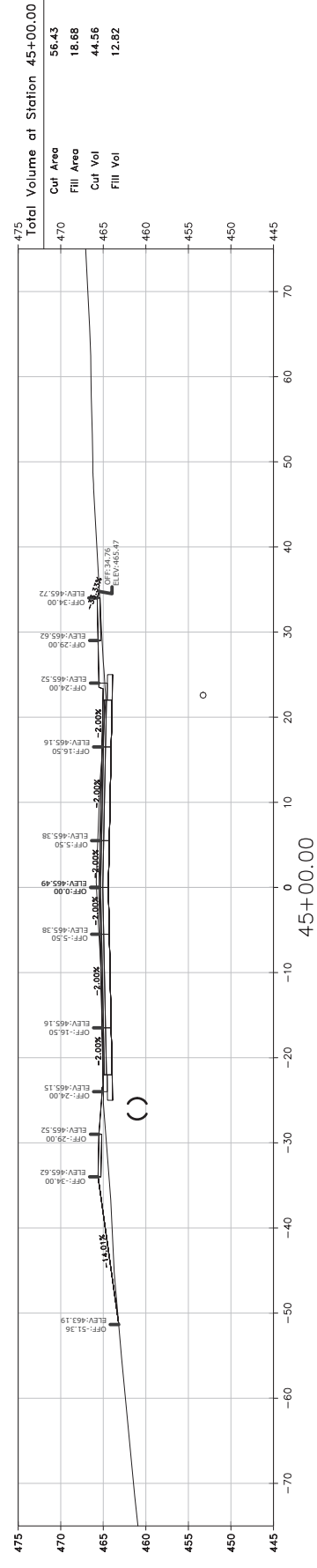
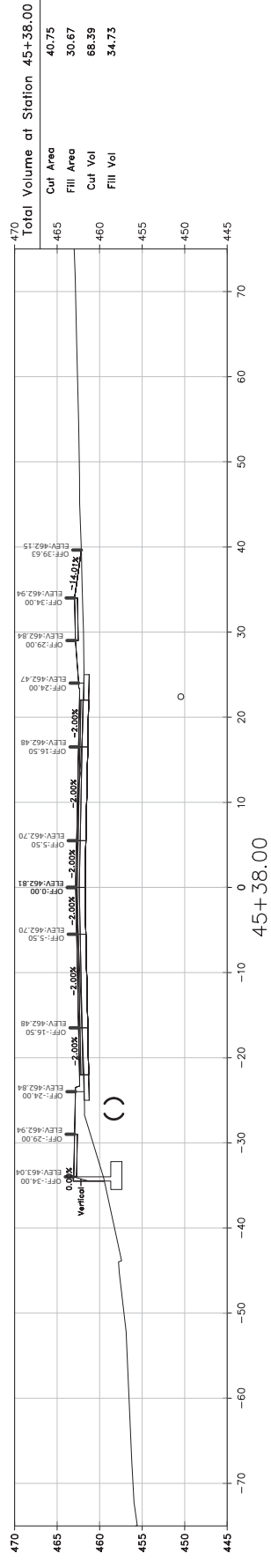
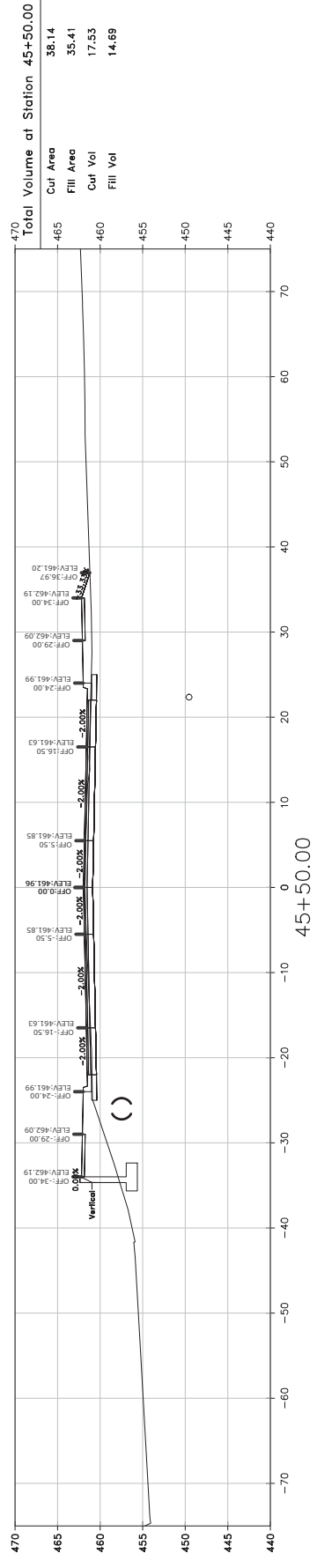
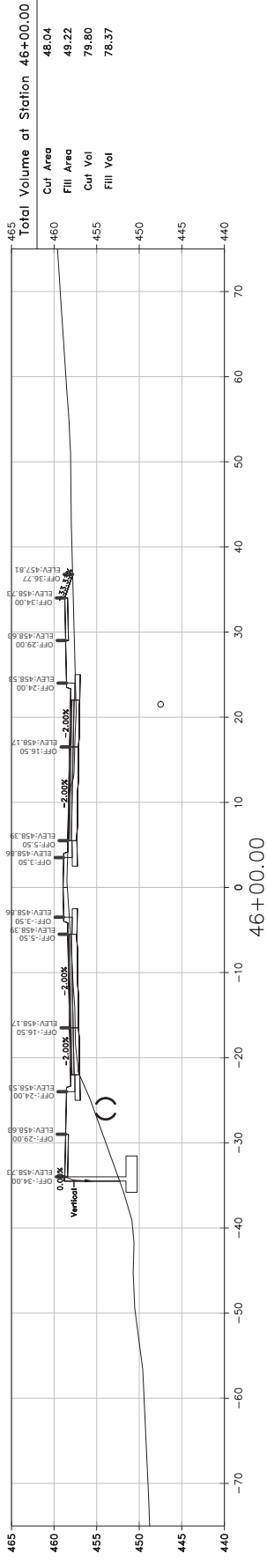


DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C83

SCALE:
 1"=10' HORIZ.
 1"=10' VERT.



REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS

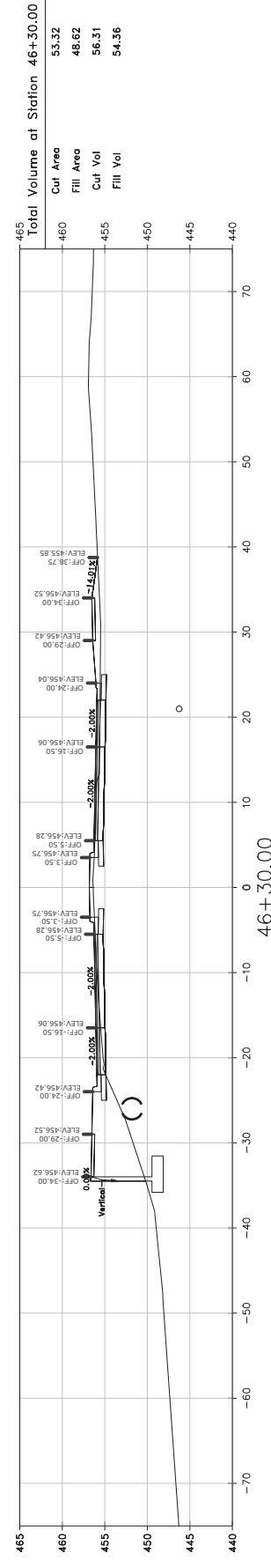
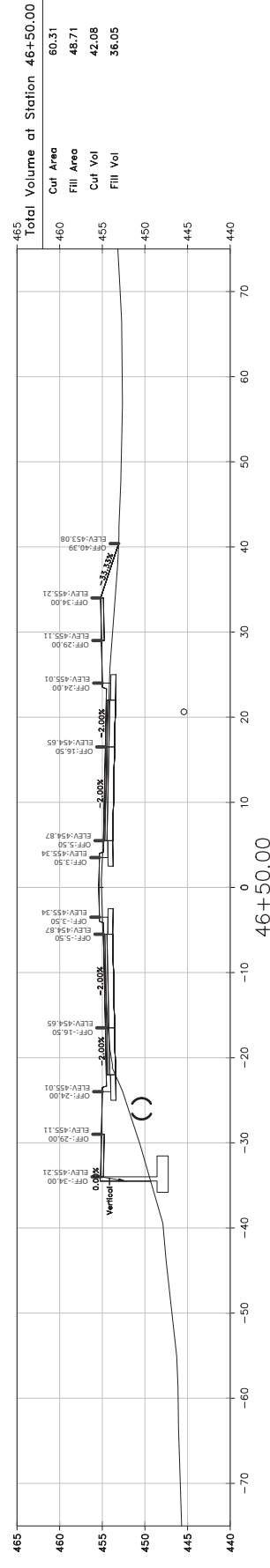
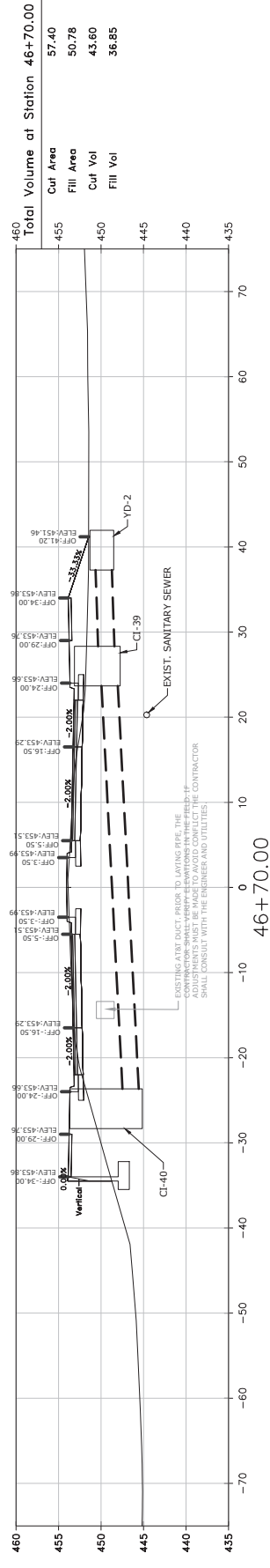
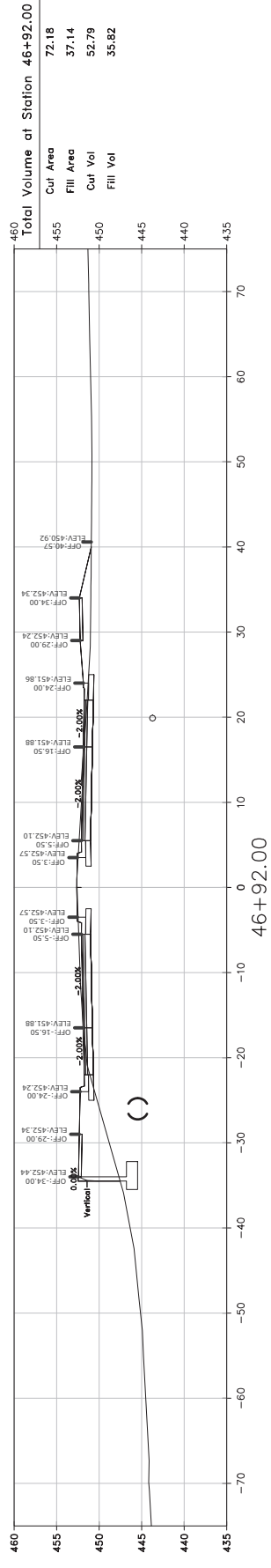
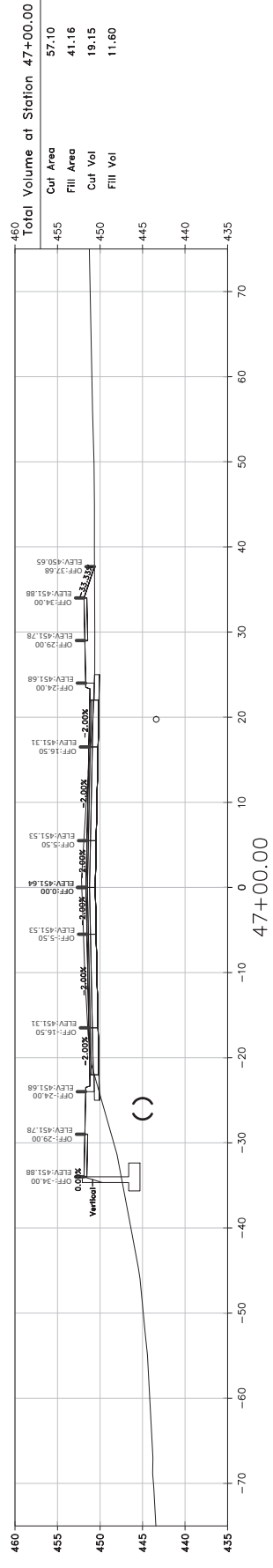


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201




DRAWN BY
CGS
DESIGNED
CGS
CHECKED
MK
DATE
04/30/2021
SCALE
AS SHOWN
PROJECT NO.
04-17-ST-202
SHEET NO.
C84

SCALE:
1"=10' HORIZ.
1"=10' VERT.



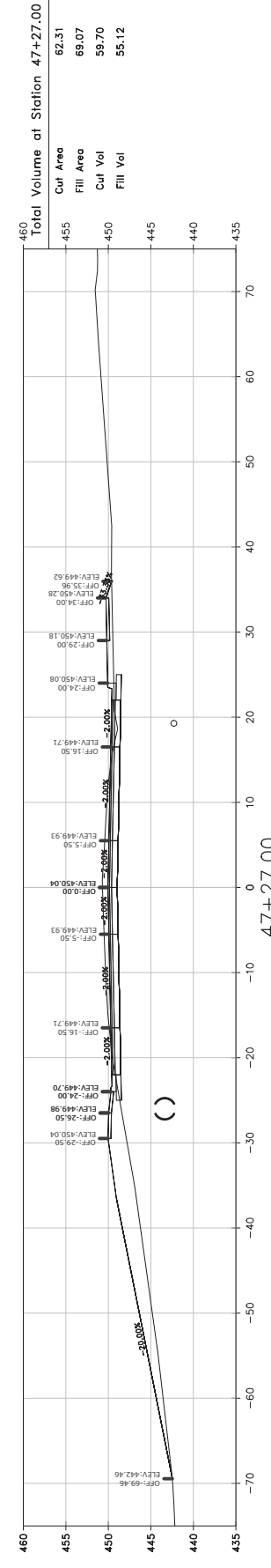
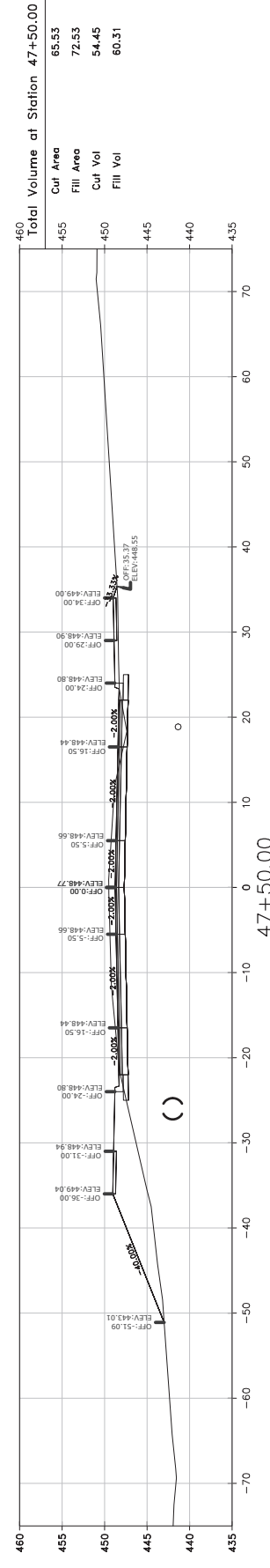
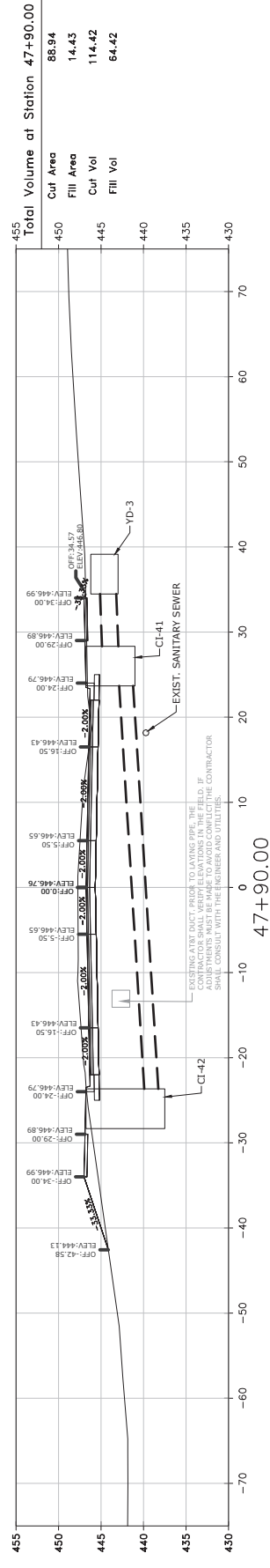
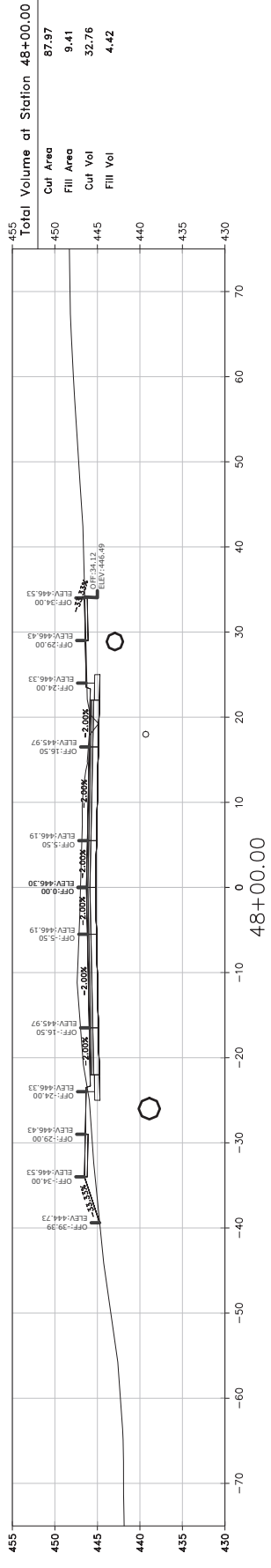
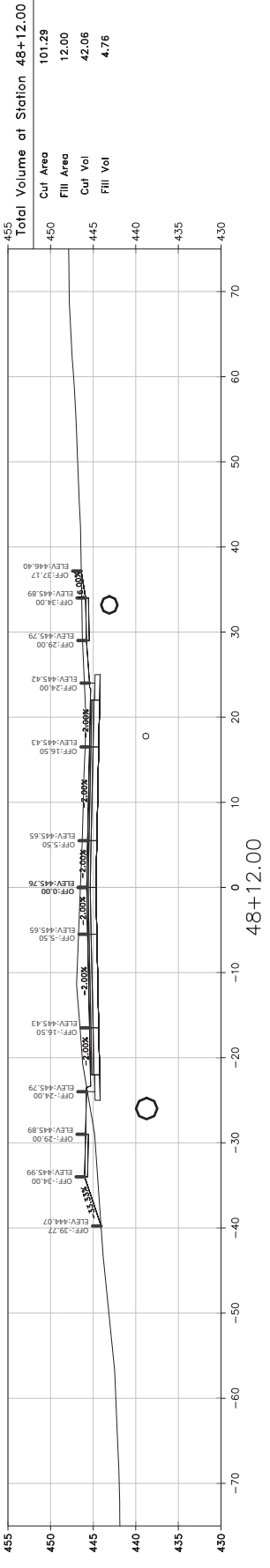
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS


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

DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C85

SCALE:
1"=10' HORIZ.
1"=10' VERT.



REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS

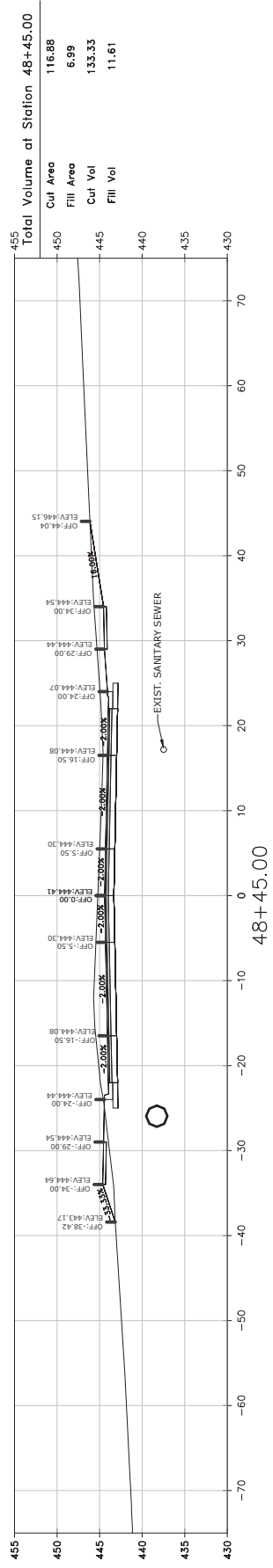
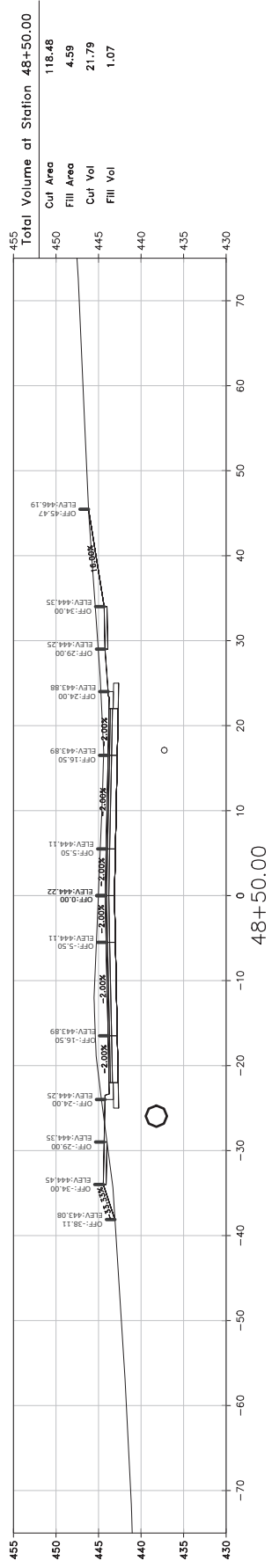
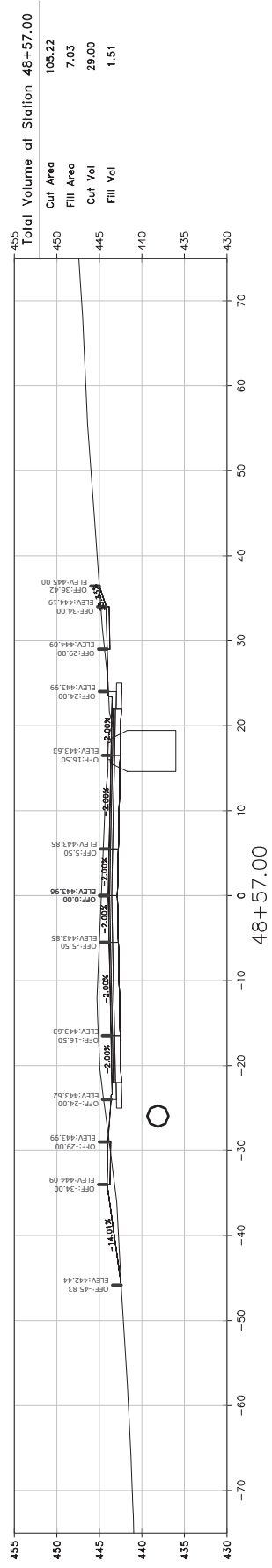
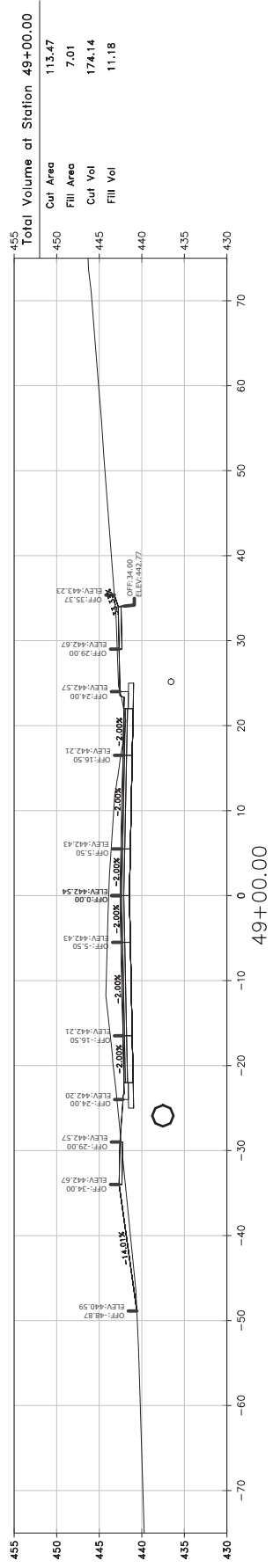
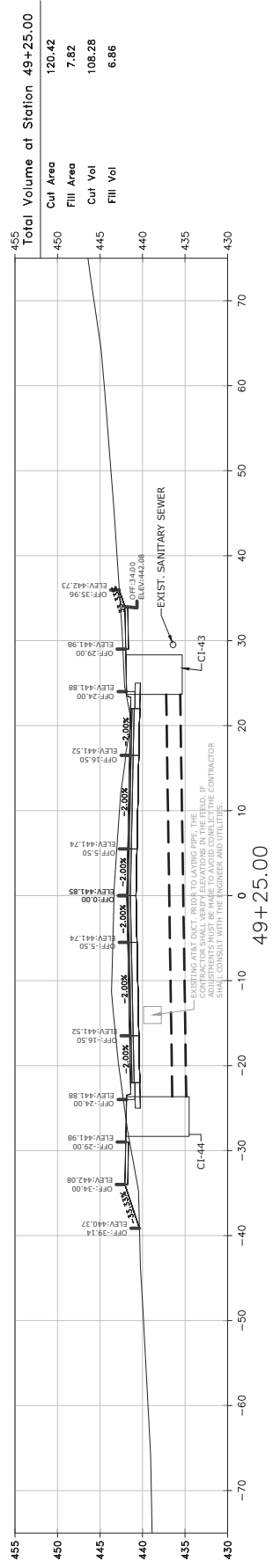


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201




DRAWN BY
CGS
DESIGNED
CGS
CHECKED
MK
DATE
04/30/2021
SCALE
AS SHOWN
PROJECT NO.
04-17-ST-202
SHEET NO.
C86

SCALE:
1"=10' HORIZ.
1"=10' VERT.



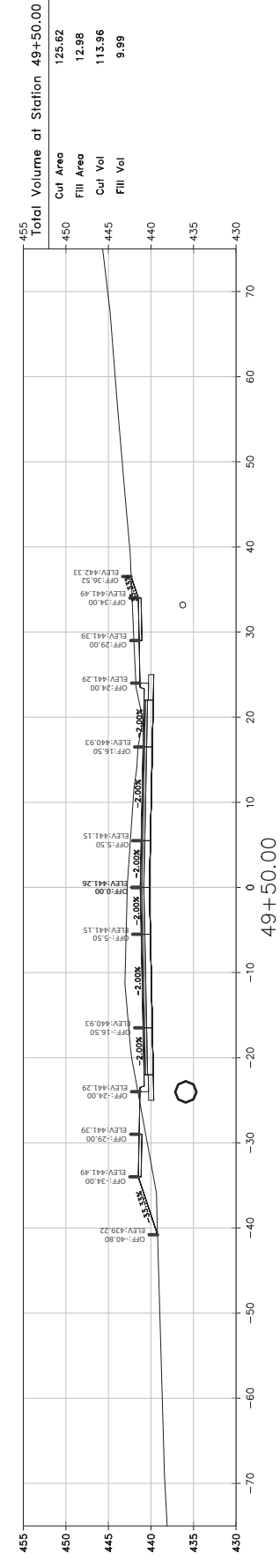
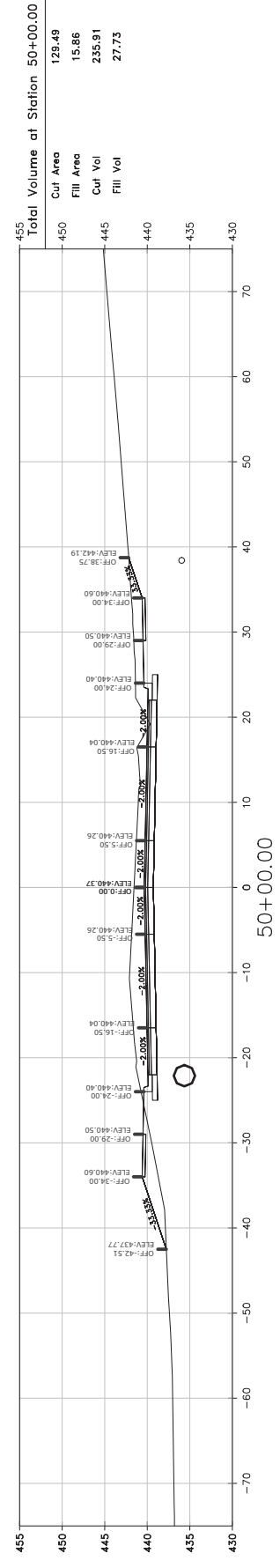
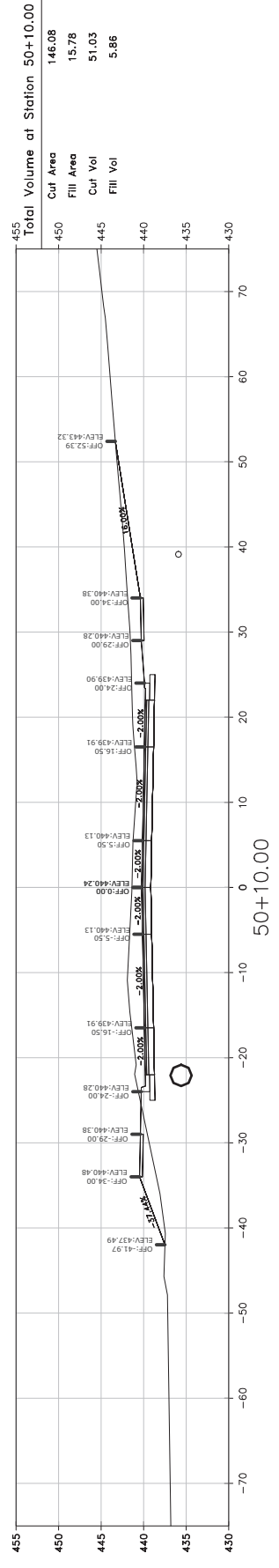
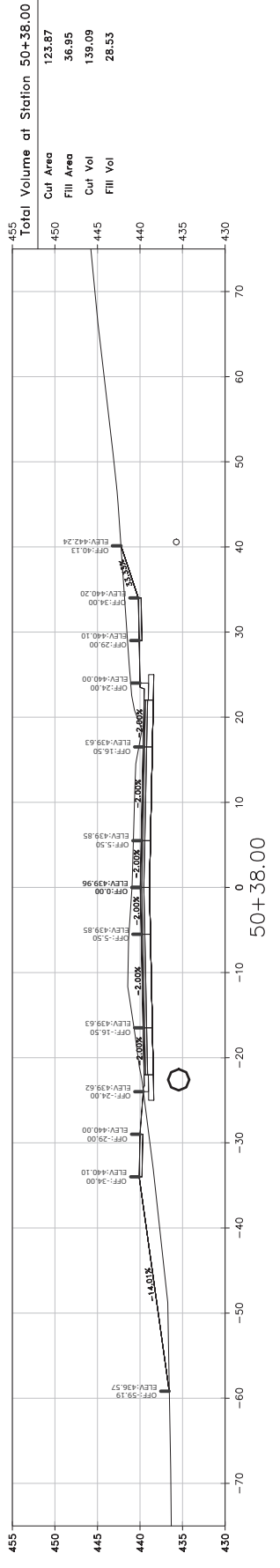
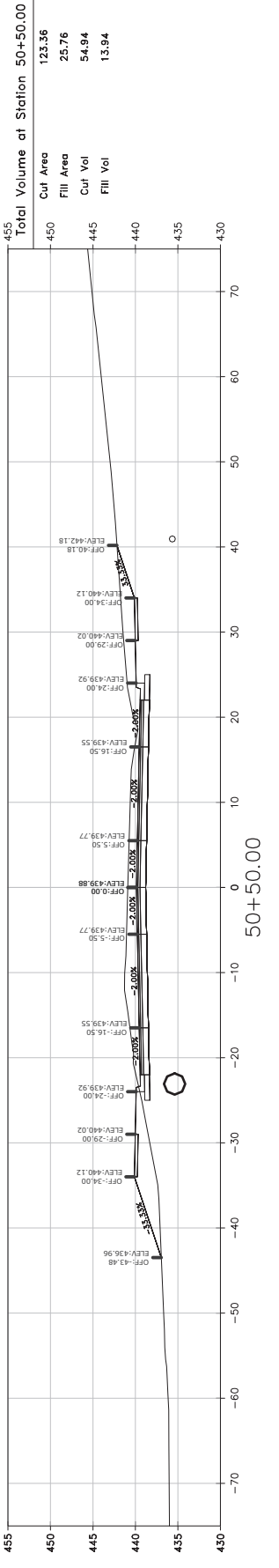
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS


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

DRAWN BY	
CGS	
DESIGNED	
CGS	
CHECKED	
MK	
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C87

SCALE:
1"=10' HORIZ.
1"=10' VERT.



REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS

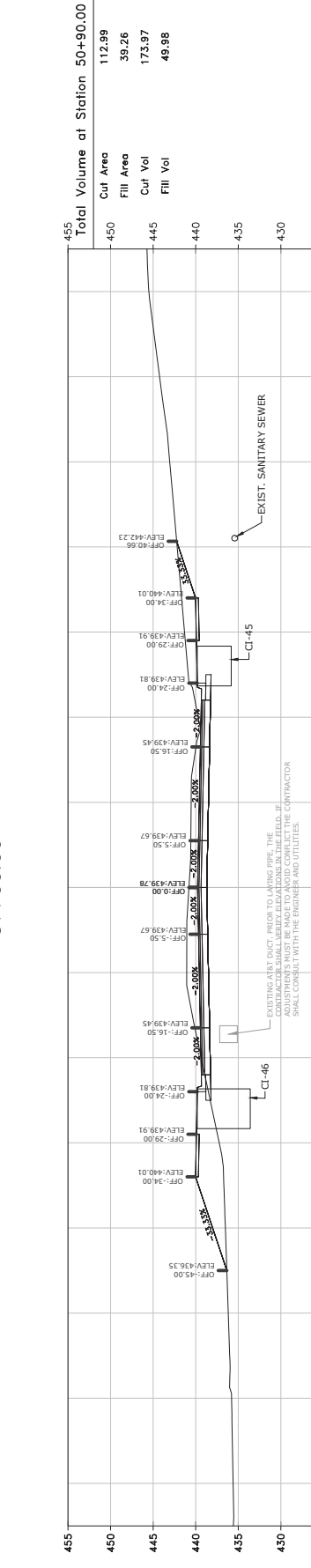
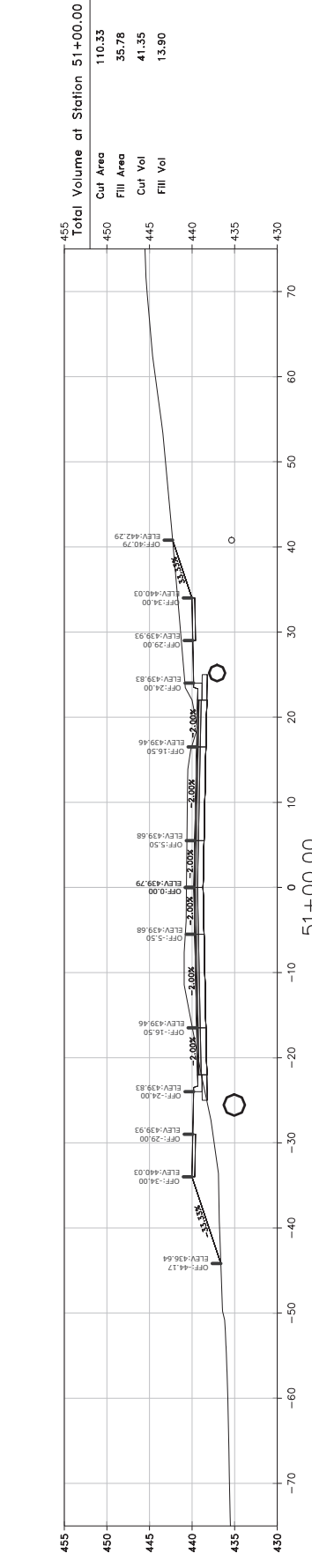
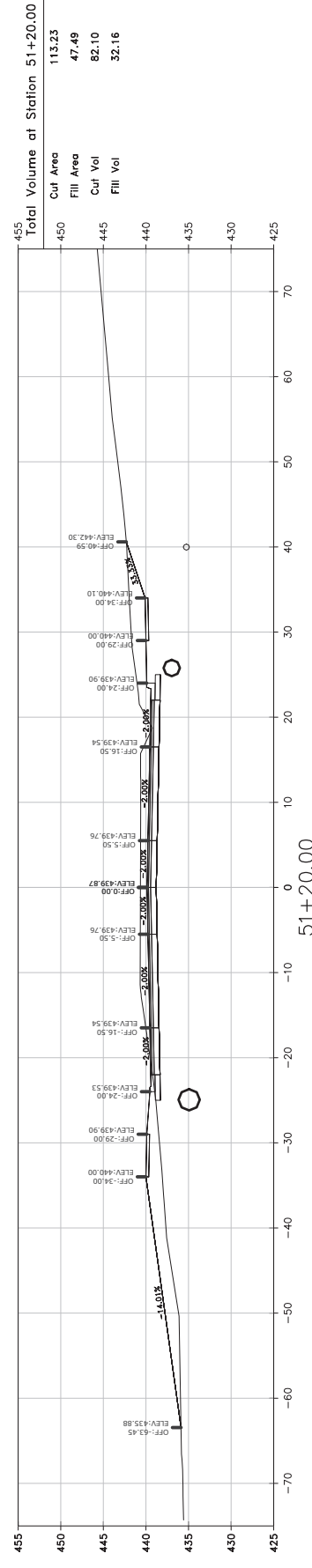
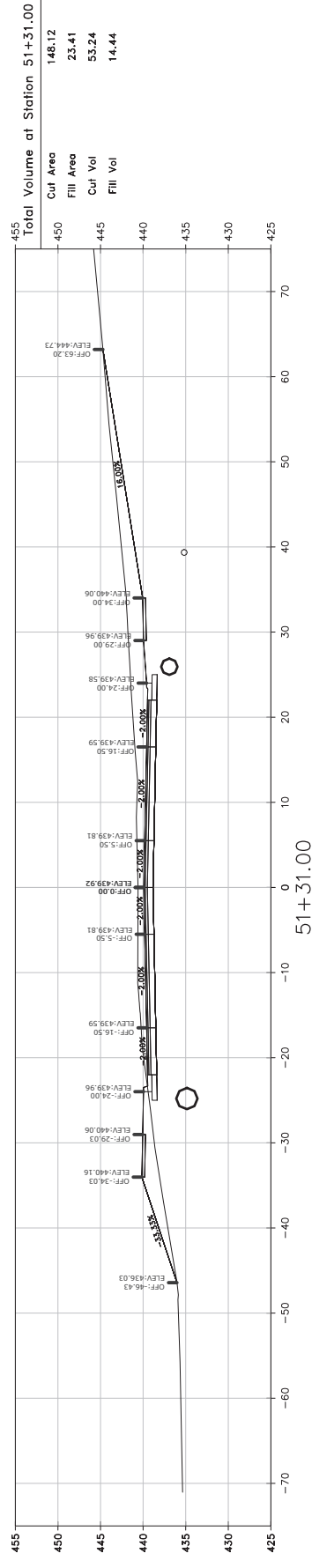
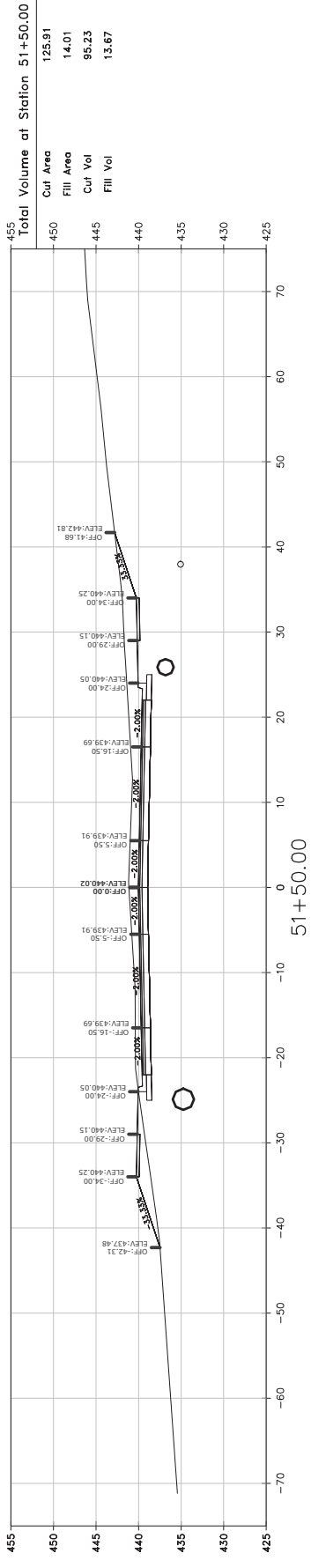


DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201




DRAWN BY CGS
DESIGNED CGS
CHECKED MK
DATE 04/30/2021
SCALE AS SHOWN
PROJECT NO. 04-17-ST-202
SHEET NO. C88

SCALE:
1"=10' HORIZ.
1"=10' VERT.



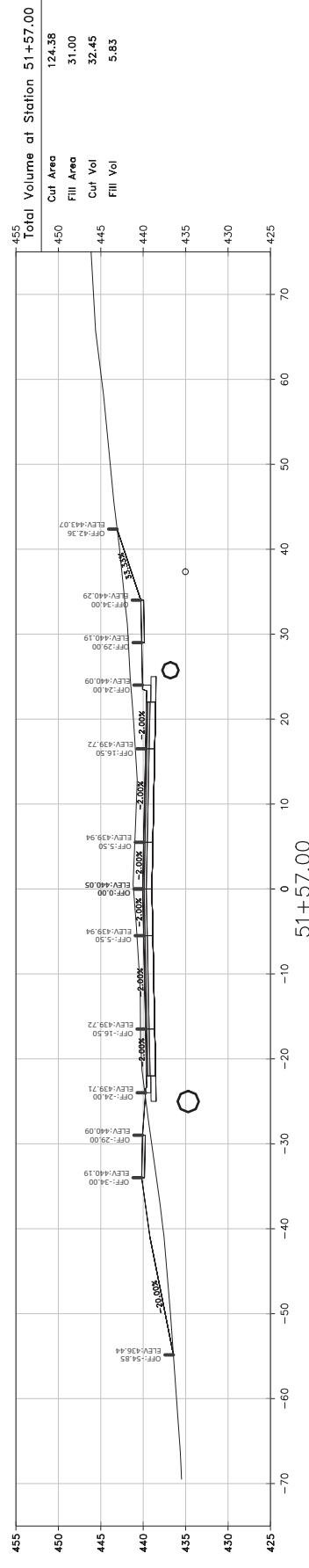
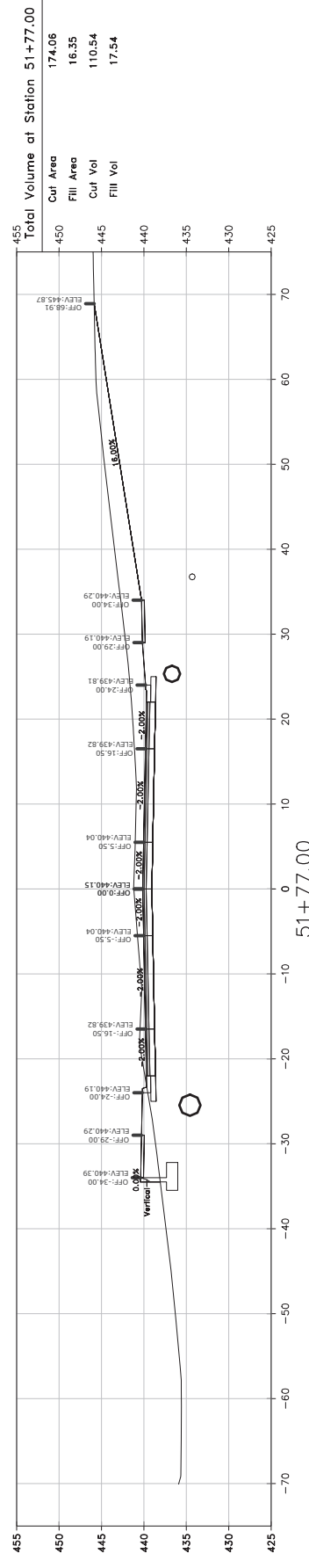
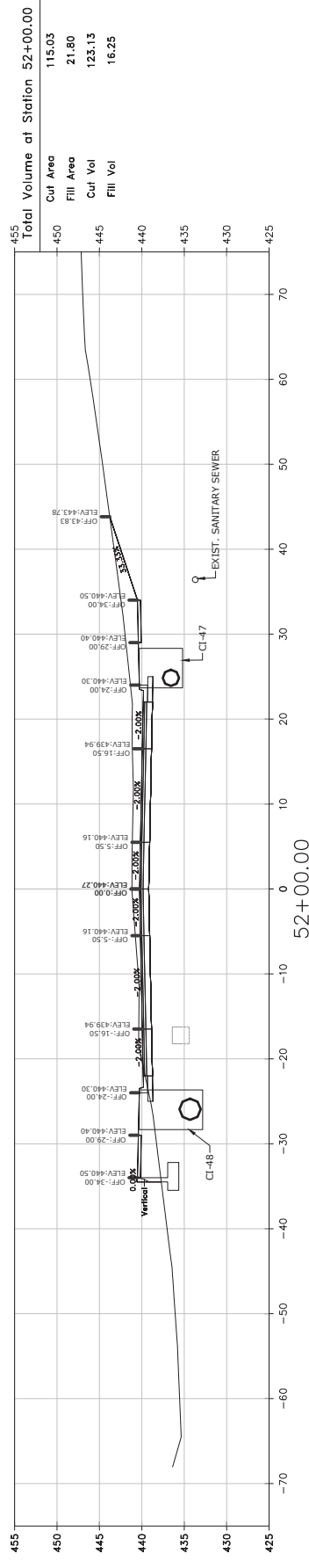
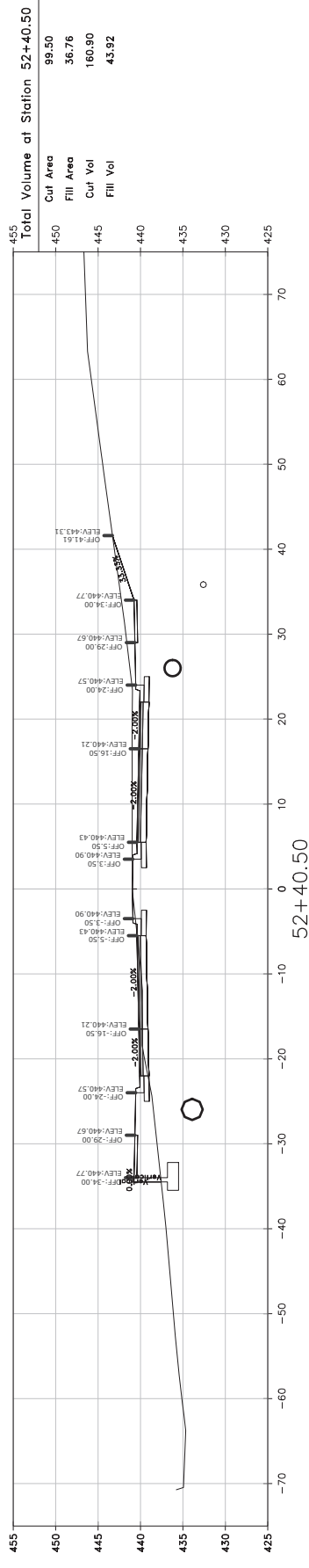
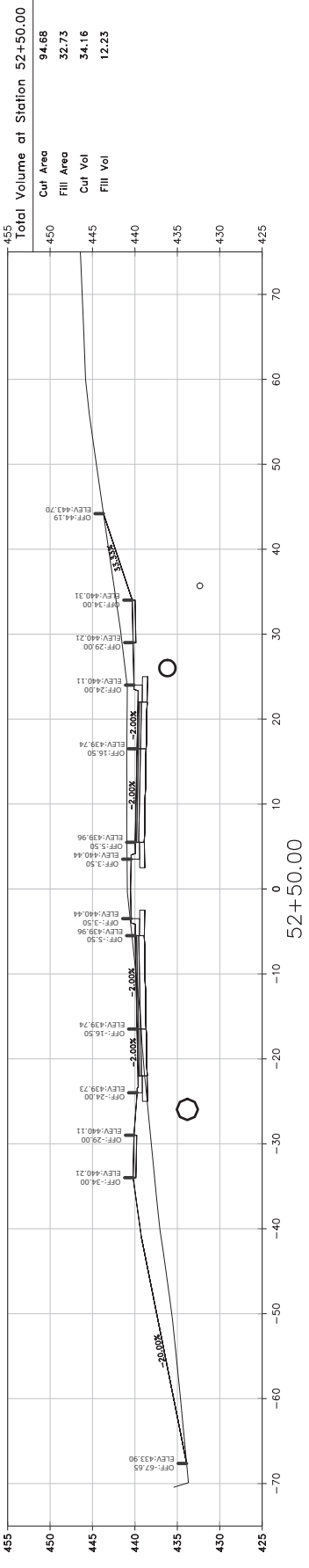
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS



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


DRAWN BY	CGS
DESIGNED	CGS
CHECKED	MK
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C89

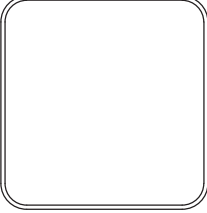


SCALE:
 1"=10' HORIZ.
 1"=10' VERT.

REVISIONS	DATE

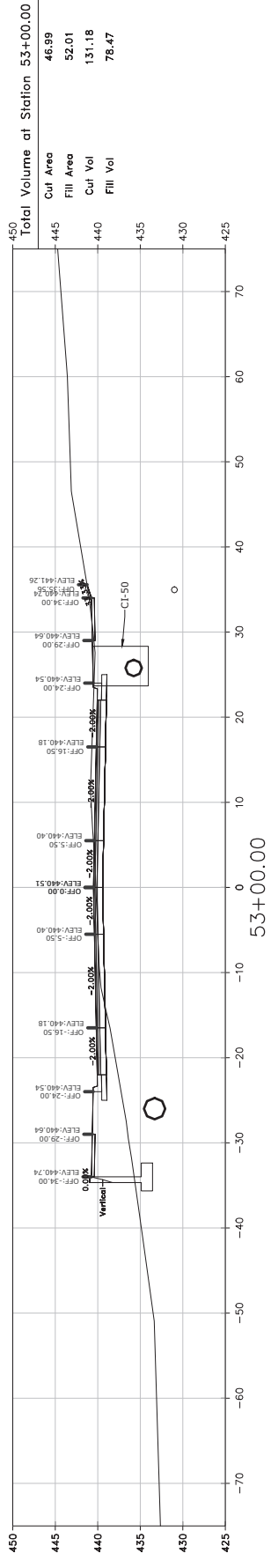
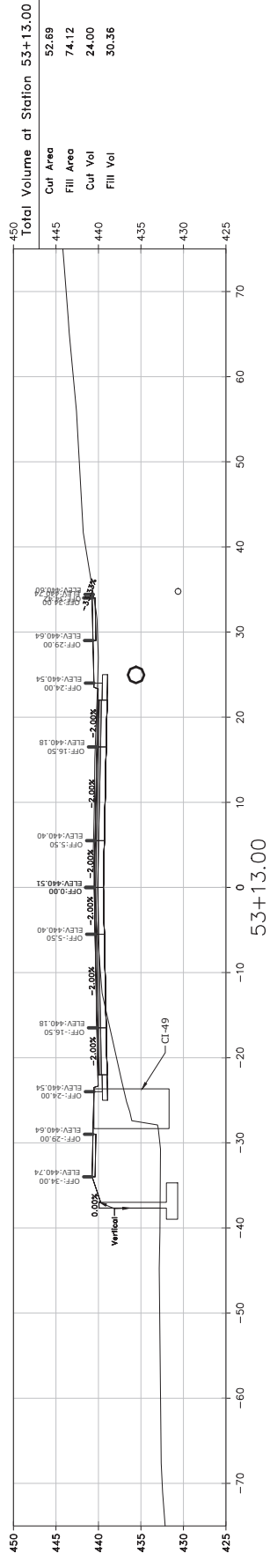
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
CROSS SECTIONS


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




DRAWN BY	CGS
DESIGNED	CGS
CHECKED	CGS
MK	
DATE	04/30/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	C90

SCALE:
 1"=10' HORIZ.
 1"=10' VERT.



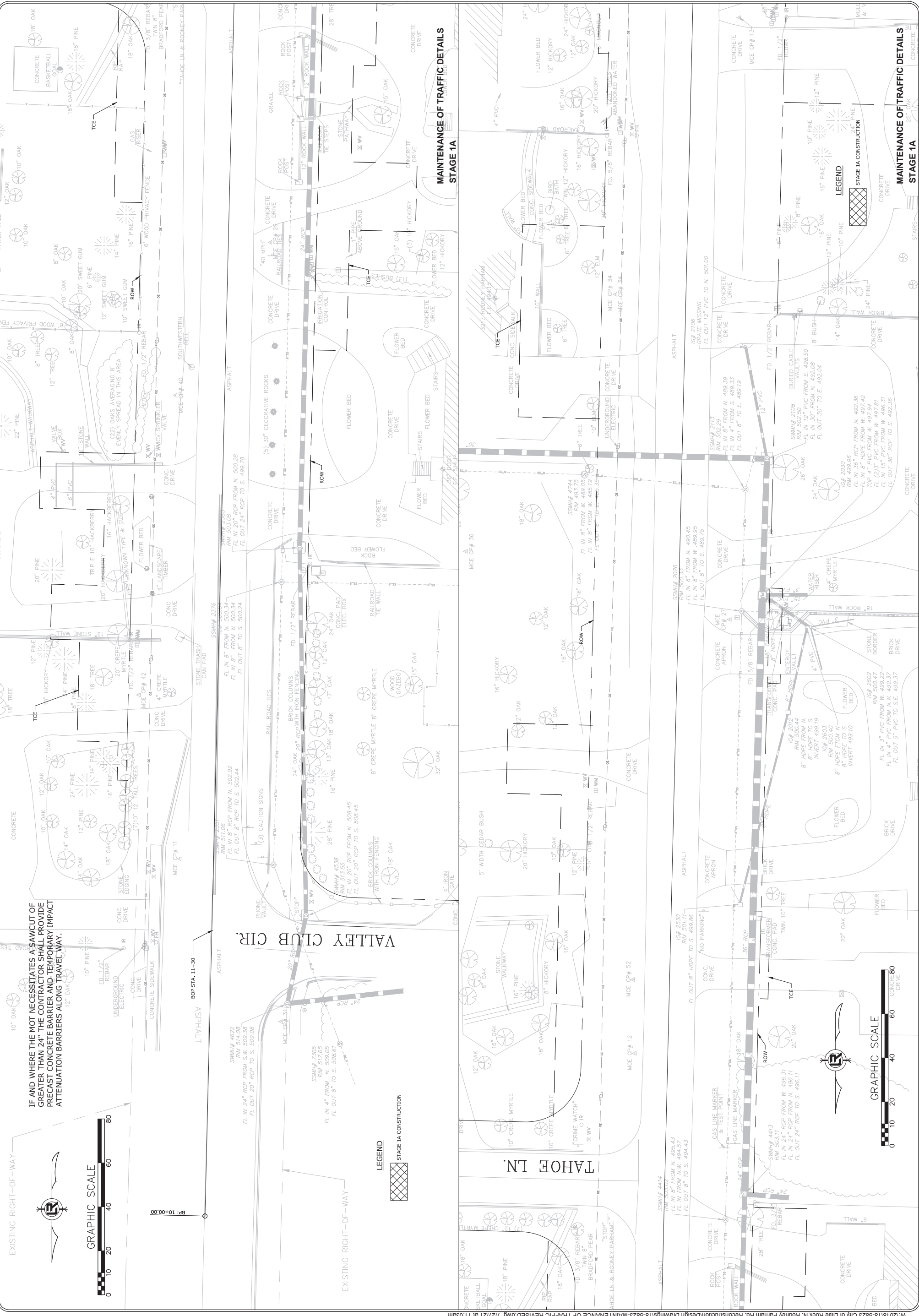
REVISIONS	DATE
ADDENDUM 3	

**CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
MAINTENANCE OF TRAFFIC DETAILS STAGE 1**


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



DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C91



IF AND WHERE THE NOT NECESSITATES A SAWCUT OF GREATER THAN 24" THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.


GRAPHIC SCALE
0 10 20 40 60 80

GRAPHIC SCALE
0 10 20 40 60 80
CONCRETE DRIVE

REVISIONS	DATE
ADDENDUM 3	

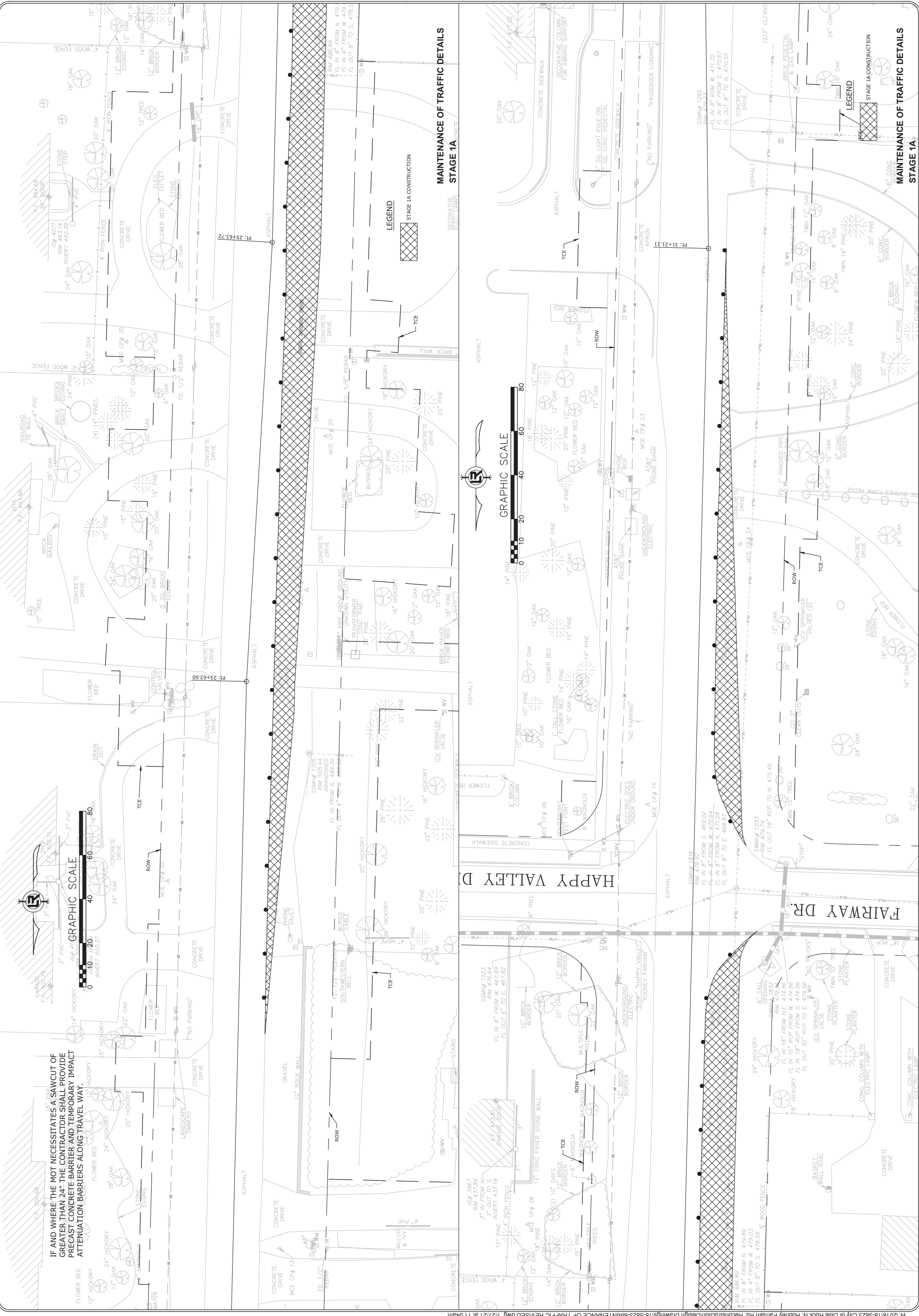
CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
MAINTENANCE OF TRAFFIC DETAILS STAGE 1

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



STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
NO. 11355
SCOTT W. GUTENBERG

DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C92



IF AND WHERE THE MOT NECESSITATES A SAWCUT OF GREATER THAN 24" THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.

MAINTENANCE OF TRAFFIC DETAILS
STAGE 1A

LEGEND

[Cross-hatched box symbol] STAGE 1A CONSTRUCTION

MAINTENANCE OF TRAFFIC DETAILS
STAGE 1A

LEGEND

[Cross-hatched box symbol] STAGE 1A CONSTRUCTION

GRAPHIC SCALE



HAPPY VALLEY DR.

FAIRWAY DR.

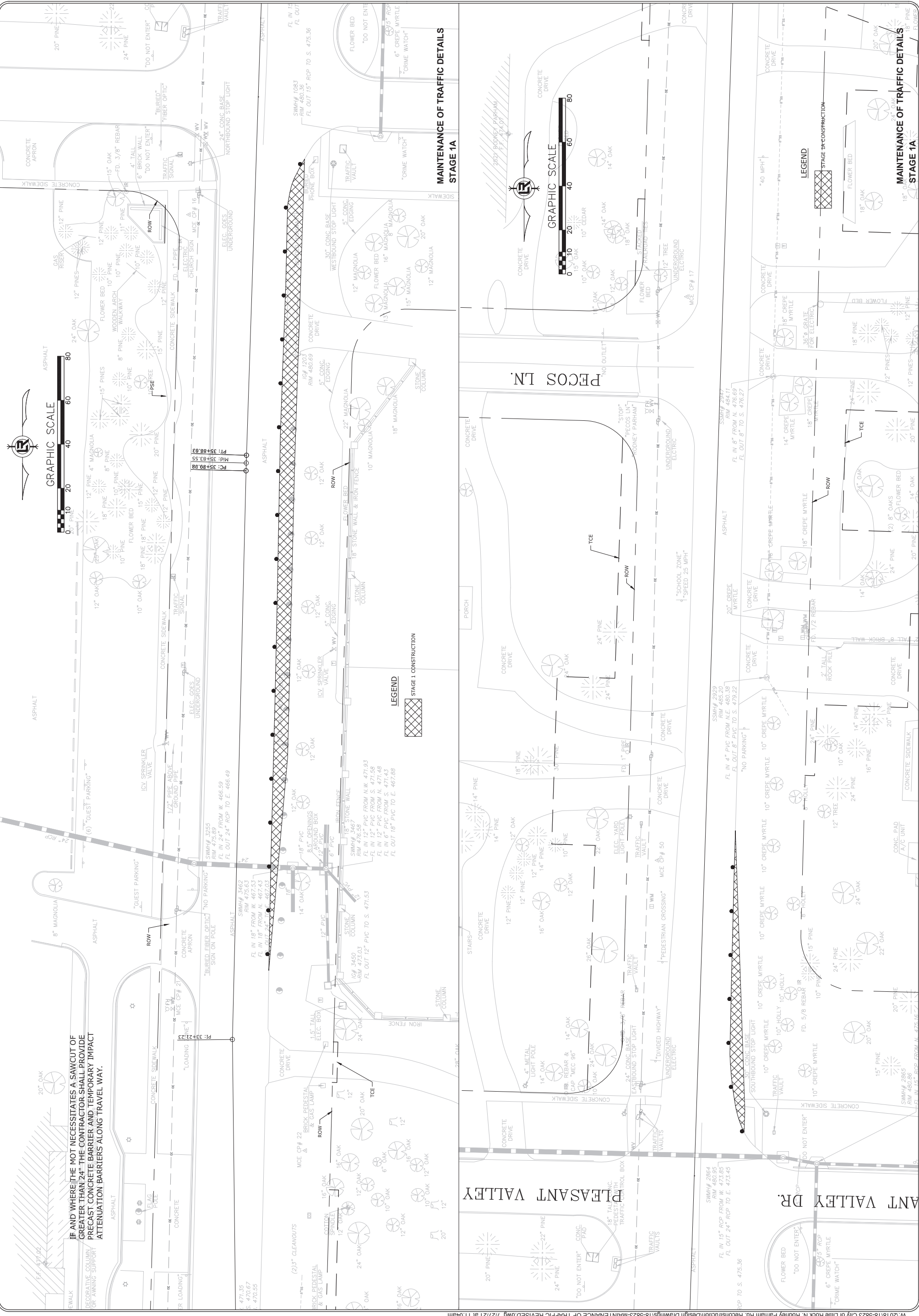
REVISIONS	DATE
ADDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
 N. RODNEY PARHAM ROAD WIDENING
 MAINTENANCE OF TRAFFIC DETAILS STAGE 1

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

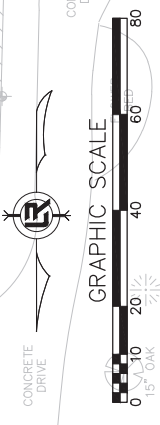


DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C93



IF AND WHERE THE NOT NECESSARILY A SAWCUT OF
 GREATER THAN 24\"/>

MAINTENANCE OF TRAFFIC DETAILS
 STAGE 1A



LEGEND

- STAGE 1 CONSTRUCTION

MAINTENANCE OF TRAFFIC DETAILS
 STAGE 1A

LEGEND

- STAGE 1A CONSTRUCTION

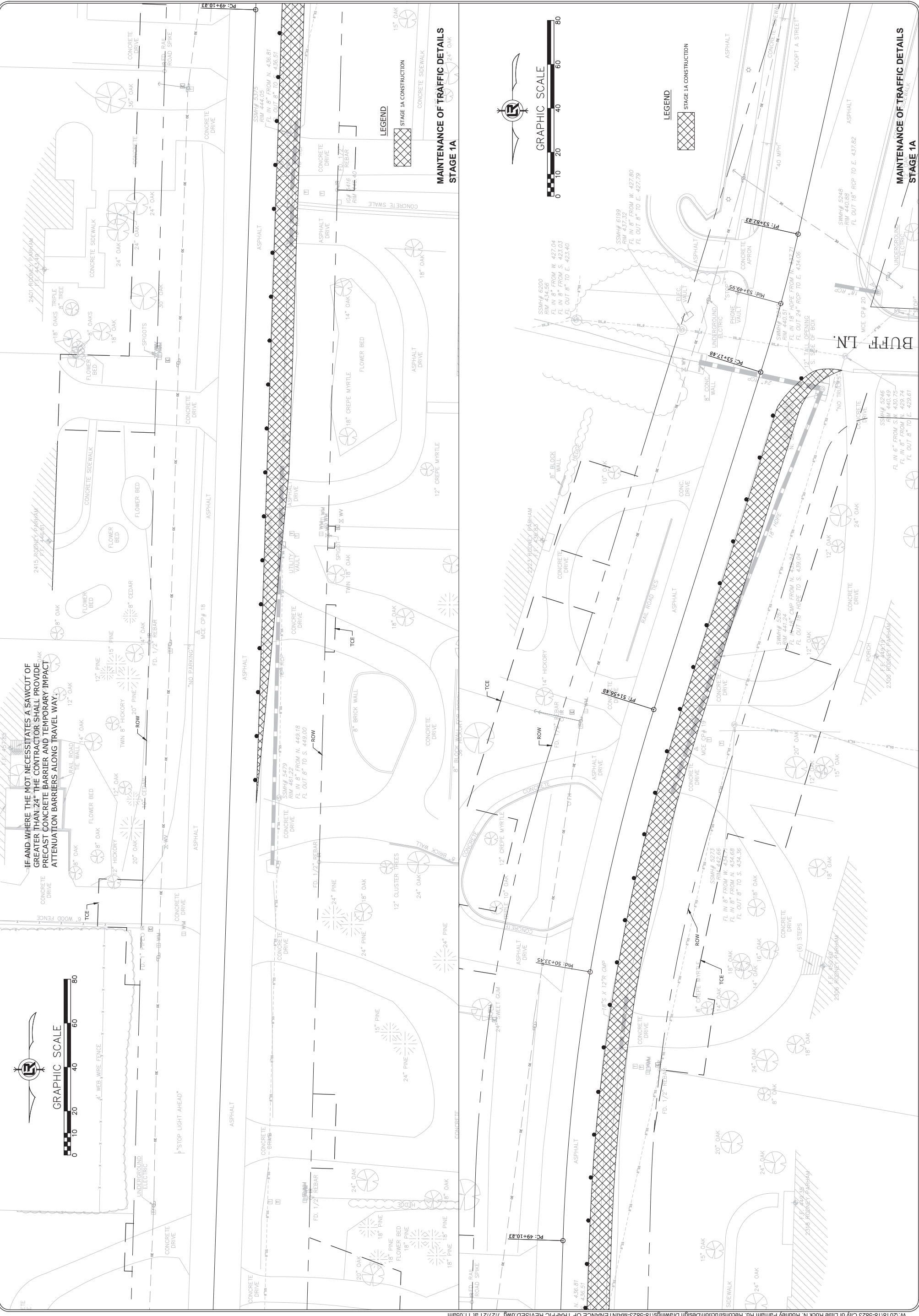
REVISIONS	DATE
ADDDENDUM 3	

CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
MAINTENANCE OF TRAFFIC DETAILS STAGE 1

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



DRAWN BY	RNB
DESIGNED	RNB
CHECKED	MK
DATE	04/30/2021
SCALE	1"=20'
PROJECT NO.	04-17-ST-202
SHEET NO.	C94



IF AND WHERE THE MOT NECESSITATES A SAWCUT OF GREATER THAN 24" THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.



MAINTENANCE OF TRAFFIC DETAILS
STAGE 1A

LEGEND

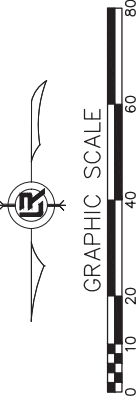
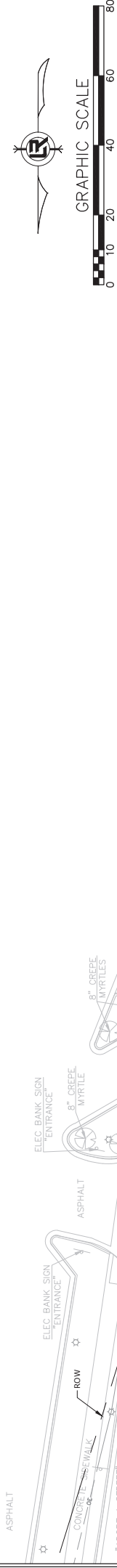


LEGEND



MAINTENANCE OF TRAFFIC DETAILS
STAGE 1A

IF AND WHERE THE MOT NECESSITATES A SAWCUT OF GREATER THAN 24" THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATION BARRIERS ALONG TRAVEL WAY.



CITY OF LITTLE ROCK, ARKANSAS
N. RODNEY PARHAM ROAD WIDENING
MAINTENANCE OF TRAFFIC DETAILS STAGE 1

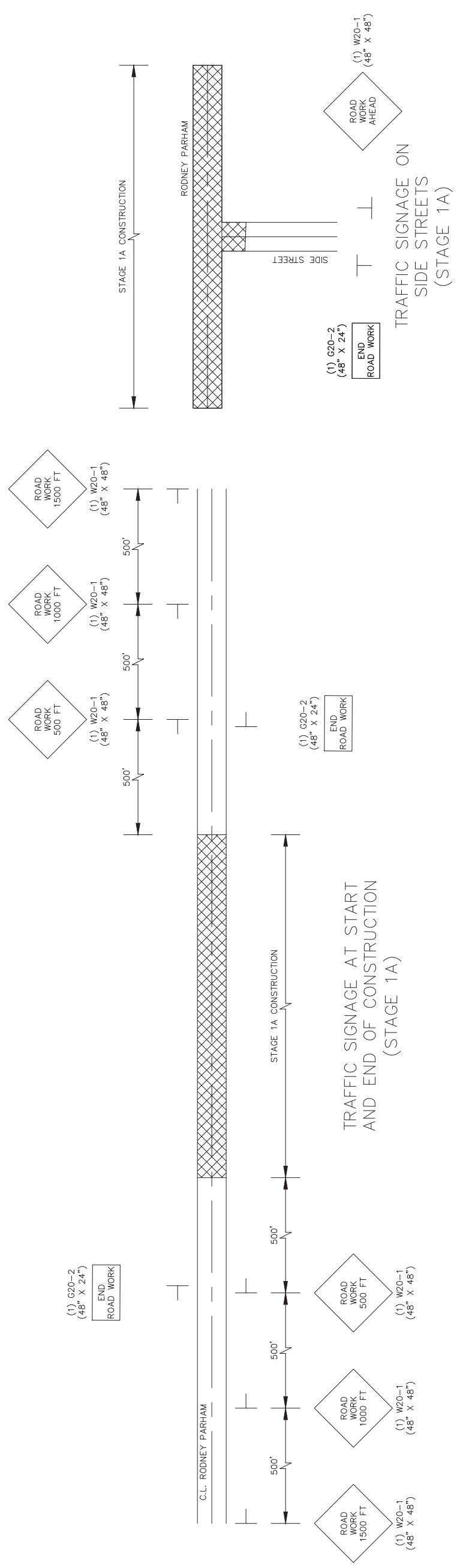
REVISIONS	DATE
ADDENDUM 3	

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



DRAWN BY RNB	DESIGNED RNB	CHECKED MK	DATE 04/30/2021
PROJECT NO. 04-17-ST-202			SHEET NO. C95

MAINTENANCE OF TRAFFIC DETAILS
STAGE 1A



POWER, LIGHTING & SYSTEM LEGEND

Table with symbols and descriptions for power, lighting, and system components. Includes items like 'UNDER CABINET LIGHT FIXTURE', 'UNDER CABINET LIGHT', 'UNDER CABINET LIGHT', 'FLUORESCENT LIGHT WITH EMERGENCY LIGHT (EL) BATTERY', 'RECESSED LIGHT, UNLESS OTHERWISE SHOWN', 'WALL MOUNTED LIGHT-MOUNTING HEIGHT AS INDICATED', 'LED EXIT LIGHT, CEILING MOUNTED OR AS INDICATED, DARKENED AREA INDICATES FACE, ARROWS INDICATE DIRECTION OF EGRESS', 'EMERGENCY EXIT LIGHT, WALL MOUNT 7'-6" A.F.F. OR AS NOTED', '4 FT. STRIP FLUORESCENT LIGHT', 'LIGHT SWITCH, MTD. 4'-0" A.F.F.', 'LIGHT SWITCH, 2 POLE, MTD 4'-0" A.F.F.', 'LIGHT SWITCH, 3-WAY, MTD. 4'-0" A.F.F.', 'LIGHT SWITCH, 4-WAY, MTD. 4'-0" A.F.F.', 'LIGHT SWITCH WITH PILOT LIGHT, MTD. 4'-0" A.F.F.', '20 AMP DUPLEX RECEPTACLE MTD. HORIZ. 6" ABOVE COUNTER TOP UNLESS OTHERWISE SHOWN', '20 AMP DUPLEX RECEPTACLE MTD. 18" A.F.F., WITH #12 GROUND WIRE, GFCI INDICATES GROUND FAULT CIRCUIT INTERRUPTER, WP INDICATES WEATHERPROOF WHILE IN USE ENCLOSURE AND COVER', 'SINGLE RECEPTACLE, RATINGS AS NOTED', 'HP RATED TOGGLE SWITCH, 1 OR 2 POLES AS REQUIRED W/OVERLOADS', 'NON-FUSED DISCONNECT SWITCH, SIZE AS NOTED', 'COMBINATION DISCONNECT AND MOTOR STARTER, SIZE AS NOTED. FUSED TYPE SHOWN.', 'FUSED DISCONNECT SWITCH, SIZE AS NOTED', 'PUSHBUTTON STATION, NEMA 4X', 'ELECTRICAL PANEL, SURFACE MOUNTED, 5'-6" TO TOP OF ENCLOSURE', 'ELECTRICAL PANEL, RECESSED MOUNTED, 5'-6" TO TOP OF ENCLOSURE', 'EQUIPMENT CABINET SIZE AS NOTED, RECESSED MOUNTED, 5'-6" TO TOP OF ENCLOSURE', 'EQUIPMENT CABINET SIZE AS NOTED, SURFACE MOUNTED, 5'-6" TO TOP OF ENCLOSURE', 'HOME RUN TO PANEL, RECEPTACLES AND EQUIPMENT SHALL HAVE GREEN GROUND WIRE. NUMBER OF ARROWS INDICATES NUMBER OF PHASE CONDUCTORS, LETTER(S) INDICATE NAME OF PANEL, NUMBER(S) INDICATE CIRCUIT NUMBERS', 'BRANCH CIRCUIT WITH PHASE, NEUTRAL, SWITCHED PHASE AND EQUIPMENT GROUNDING CONDUCTORS', 'TELEPHONE OR DATA OUTLET, SINGLE GANG BOX MTD. 18" A.F.F. WITH 3/4" STUB TO ABOVE LAY-IN CEILING. "W" INDICATES 4'-6" MTD. HEIGHT FOR WALL PHONE.', 'LINE TYPES: FURNISH + INSTALL, EXISTING', 'GENERAL NOTE: 1. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT BE UTILIZED ON THE PROJECT.'

ABBREVIATIONS

Table listing abbreviations and their full names. Includes: AMP (AIR CONDITIONING UNIT), A/C (ABOVE FINISHED FLOOR), ANN (ANNUNCIATOR), AS (AERIAL PRIMARY), AUX (AUXILIARY), BKR (BLOWN FUSE INDICATOR), CGRS (PVC COATED GALVANIZED RIGID STEEL), COM (COMMON), CONT (CONTINUOUS), CPT (CONTROL PANEL), CR (CONTROL RELAY), CS (CORD SET), CU (COEFFICIENT OF UTILIZATION), DEB (DIRECT EARTH BURIED), EC (EMPTY OR EMBEDDED CONDUIT), EG (EQUIPMENT GROUND), EL (ELEVATION), EMT (ELECTRICAL METALLIC TUBING), ETM (ELASPED TIME METER), FA (FIRE ALARM), FAN (FAN COIL), FLR (FLOOR), FOC (FIBER OPTIC CABLE), FS (FLOAT SWITCH), FVNR (FULL VOLTAGE NON-REVERSING STARTER), GFCI (FULL VOLTAGE REVERSING STARTER), GND (GROUND FAULT CIRCUIT INTERRUPTER), GRS (GALVANIZED RIGID STEEL), HOA (HAND-OFF-AUTO HORSEPOWER OR HEAT PUMP), HP (HOUR), JB (JUNCTION BOX), KVAR (KILOWATT-AMPERE REACTIVE), kW (KILOWATT), LA (LIGHTNING ARRESTOR), L.O. (LUGS ONLY), LV (LOW VOLTAGE), MCB (MAIN CIRCUIT BREAKER), MCC (MOTOR CONTROL CENTER), MCP (MOTOR CIRCUIT PROTECTOR), MFR (MANUFACTURER), MIN (MINIMUM), MS (MOTOR STARTER), MTD (MOUNTED), NFDS (NON-FUSED DISCONNECT SWITCH), NTS (NOT TO SCALE), OC (ON CENTER), OH (OVERHEAD), OL (OVERLOAD), PB (PUSH BUTION), PEC (PHOTO ELECTRIC CELL), PF (POWER FACTOR), PL (PILOT LIGHT), PMR (PHASE MONITOR RELAY), PNL (PANEL), PTT (PUSH-TO-TEST), P.V.C. (SCHEDULE 40 POLYVINYL CONDUIT), RECP (RECEPTACLE), RM (ROOM), RVAT (REDUCED VOLTAGE AUTO-TRANSFORMER STARTER), S (SECOND), SA (SURGE ARRESTER), SDBC (SOFT DRAWN BARE COPPER), SE (SERVICE ENTRANCE), SHT (SHEET), SN (SOLID NEUTRAL), SS (STAINLESS STEEL), STA (STATION), SW (SWITCH), TC (TIME CLOCK), TEL (TELEPHONE), TD (TIME DELAY), TDD (TIME DELAY ON DE-ENERGIZATION), TDE (TIME DELAY ON ENERGIZATION), TYP (TYPICAL), TVSS (TRANSIENT VOLTAGE SURGE SUPPRESSOR), UG (UNDER GROUND), UH (UNIT HEATER), UP (UNDERGROUND PRIMARY), US (UNDERGROUND SECONDARY), VA (VOLT-AMP), VFD (VARIABLE FREQUENCY DRIVE), VM (VOLT-METER), W (WATT OR WIRE), WH (WEATHER HEAD), WM (WATT METER), WP (WEATHERPROOF), W/W (WITH TRANSFORMER), X/MFR (TRANSFORMER).

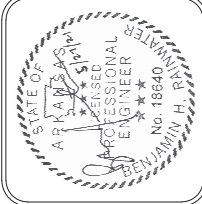
CONTROL SCHEMATIC LEGEND

Table showing control schematic symbols and their descriptions. Includes: WIRING WITHIN PANEL, WIRING TO FIELD DEVICE, PUSHBUTTON SWITCH, NORMALLY OPEN, PUSHBUTTON SWITCH, NORMALLY CLOSED, SELECTOR SWITCH, NUMBER OF POSITIONS AND CONTACTS AS SHOWN, RELAY CONTACT, NORMALLY OPEN, RELAY CONTACT, NORMALLY CLOSED, TIME DELAY CONTACT, CLOSE ON ENERGIZATION, TIME DELAY CONTACT, OPEN ON ENERGIZATION, TIME DELAY CONTACT, OPEN ON DE-ENERGIZATION, TIME DELAY CONTACT, CLOSE ON DE-ENERGIZATION, LEVEL SWITCH, PRESSURE SWITCH, LIMIT SWITCH CONTACT, NORMALLY OPEN, LIMIT SWITCH CONTACT, NORMALLY CLOSED, LIMIT SWITCH CONTACT, HELD OPEN, LIMIT SWITCH CONTACT, HELD CLOSED, RELAY COIL, "TR" INDICATES "TIMING RELAY", PILOT LIGHT; "A" INDICATES "AMBER LENS", "G" INDICATES "GREEN LENS", "R" INDICATES "RED LENS", SOLENOID, ELAPSED TIME METER, TERMINAL BLOCK, ELECTRICAL CONNECTION, FUSE, AMPERE-RATING AS SHOWN, OR REQUIRED "BF" INDICATES "BLOWN FUSE INDICATOR" TYPE, GROUND CONNECTION TO ENCLOSURE GROUND BAR.

ADDEN I

CITY OF LITTLE ROCK, ARKANSAS
RODNEY PARHAM ROAD WIDENING
ELECTRICAL LEGEND AND ABBREVIATIONS

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



DRAWN BY TB
DESIGNED BR
CHECKED BR
DATE 05/2021
SCALE AS SHOWN
PROJECT NO. 04-17-ST-202
SHEET NO. E1

Table with columns REVISIONS and DATE.

DEMOLITION NOTES:

1. ALL ENTRY LIGHT FIXTURES ON EXISTING ENTRY POLES ON THE EAST SIDE OF THE STREET SHALL BE DEMOLISHED BY ENTRY.

ELECTRIC UTILITY CONTACT	
ENTRY	BRAD VANCE (501)954-5162

GENERAL NOTES:

1. REFER TO CIVIL PLANS FOR FINAL POLE LOCATIONS. POLE LOCATIONS ARE SHOWN SCHEMATICALLY ON ELECTRICAL SHEETS.

GENERAL NOTES:

1. ALL GENERAL NOTES SHALL APPLY TO ALL SHEETS.
2. ENTRY SHALL BE RESPONSIBLE TO FURNISH AND INSTALL ALL POLES, LIGHT FIXTURES, POLE BASES, HANDHOLES, AND WIRE.
3. CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH AND INSTALL CONDUIT IN TRENCH, **WITH PULLSTRING**, AND ALL LABOR AND MATERIALS NOT IN ENTRY'S SCOPE.
4. MINIMUM COVER REQUIREMENT FOR ALL DUCTBANKS SHALL BE 30" PER TRENCH DETAIL.
5. POLE BASE SHALL BE NO MORE THAN 1" ABOVE GRADE.
6. FURNISH AND INSTALL ALL DUCTBANKS BEFORE FINAL STREET, SIDEWALK, DRIVEWAY, ETC. SURFACING. DO NOT DAMAGE EXISTING TO REMAIN SURFACES AND DO NOT DAMAGE NEW SURFACES. DIRECTIONAL BORE UNDER EXISTING TO REMAIN SURFACES WHERE REQUIRED TO PREVENT DAMAGE.
7. ALL HANDHOLES SHALL BE FURNISHED AND INSTALLED AS IN-GRADE HANDHOLES INSTALLED FLUSH TO GROUND.

BP: 10+00.00

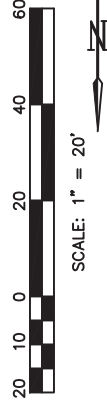
BOP STA. 11+30

VALLEY CLUB CIR.

TAHOE LN.

N. RODNEY PARHAM RD.

N. RODNEY PARHAM RD.



1 ROADWAY LAYOUT
SCALE: NONE

ADDEN 1

JUNCTION BOX LOCATIONS ARE SCHEMATIC IN NATURE. COORDINATE FINAL JUNCTION BOX LOCATIONS WITH POLE BASE, SIDEWALK, AND OTHER OBSTRUCTIONS AT EACH POLE LOCATION. (TYPICAL OF ALL JUNCTION BOXES)

2" SCH 40 PVC CONDUIT. WIRE FURNISHED AND INSTALLED BY ENTRY.

2" SCH 40 PVC CONDUIT. WIRE FURNISHED AND INSTALLED BY ENTRY.



2 ROADWAY LAYOUT
SCALE: NONE

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
RODNEY PARHAM ROAD WIDENING
ELECTRICAL ROADWAY LAYOUT I



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



DRAWN BY	TB
DESIGNED	BR
CHECKED	BR
DATE	05/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	E2

MATCHLINE 2

MATCHLINE 2

MATCHLINE 3

MATCHLINE 3

MATCHLINE 3

MATCHLINE 4

MATCHLINE 4

MATCHLINE 4

ADDEN 1

N. RODNEY PARHAM RD.

N. RODNEY PARHAM RD.

2" SCH 40 PVC CONDUIT. WIRE FURNISHED AND INSTALLED BY ENERGY.

2" SCH 40 PVC CONDUIT. WIRE FURNISHED AND INSTALLED BY ENERGY.

2" SCH 40 PVC CONDUIT. WIRE FURNISHED AND INSTALLED BY ENERGY.

2" SCH 40 PVC CONDUIT. WIRE FURNISHED AND INSTALLED BY ENERGY.

2" SCH 40 PVC CONDUIT. WIRE FURNISHED AND INSTALLED BY ENERGY.

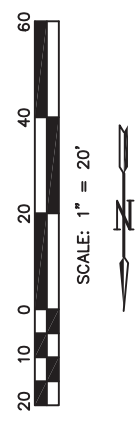
2" SCH 40 PVC CONDUIT. WIRE FURNISHED AND INSTALLED BY ENERGY.

2" SCH 40 PVC CONDUIT. WIRE FURNISHED AND INSTALLED BY ENERGY.

EXISTING SERVICE TRANSFORMER. ENERGY TO ESTABLISH A NEW 240/120V SINGLE PHASE UN-METERED SERVICE FOR NEW ROADWAY LIGHTING.

ENERGY TO FINISH AND INSTALL CONDUIT BETWEEN EXISTING SERVICE TRANSFORMER AND HANDELS.

FINISH AND INSTALL CONDUIT TO HANDELS PER MANHOLE DETAIL REQUIREMENTS.



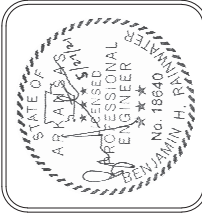
1 ROADWAY LAYOUT
E3 SCALE: NONE

2 ROADWAY LAYOUT
E3 SCALE: NONE

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
RODNEY PARHAM ROAD WIDENING
ELECTRICAL ROADWAY LAYOUT II

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




DRAWN BY	TB
DESIGNED	BR
CHECKED	BR
DATE	05/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	E3

REVISIONS	DATE

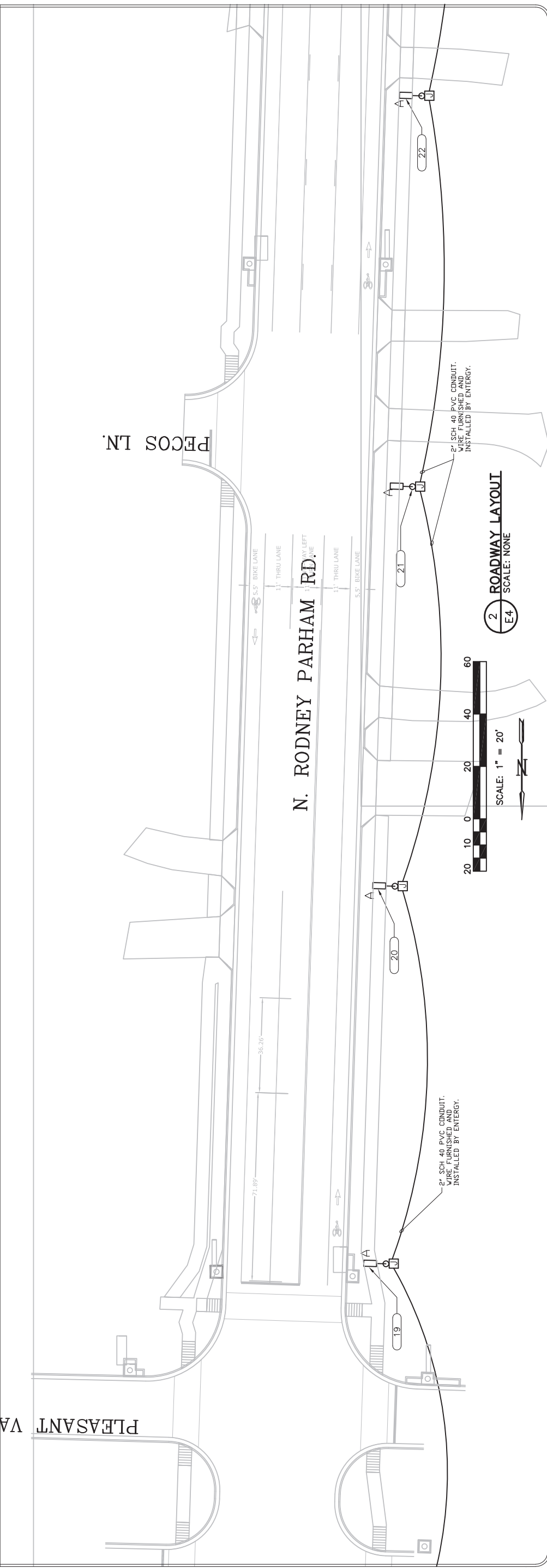
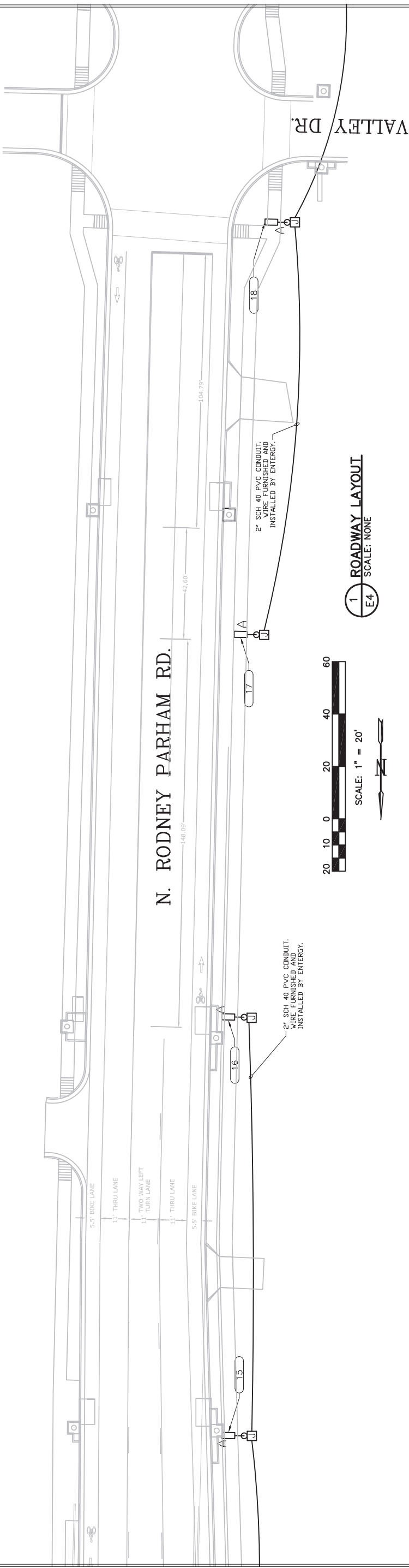
CITY OF LITTLE ROCK, ARKANSAS
 RODNEY PARHAM ROAD WIDENING
 ELECTRICAL ROADWAY LAYOUT III

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



DRAWN BY	TB
DESIGNED	BR
CHECKED	BR
DATE	05/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	E4

ADDEN I



MATCHLINE 6

MATCHLINE 7

MATCHLINE 8

MATCHLINE 9

MATCHLINE 10

MATCHLINE 11

MATCHLINE 12

MATCHLINE 13

MATCHLINE 14

MATCHLINE 15

MATCHLINE 16

MATCHLINE 17

MATCHLINE 18

MATCHLINE 19

MATCHLINE 20

MATCHLINE 21

MATCHLINE 22

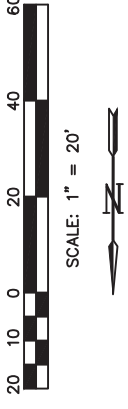
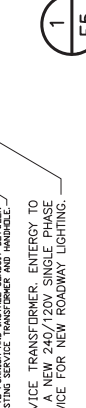
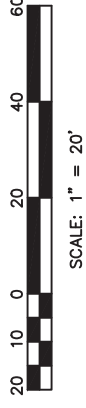
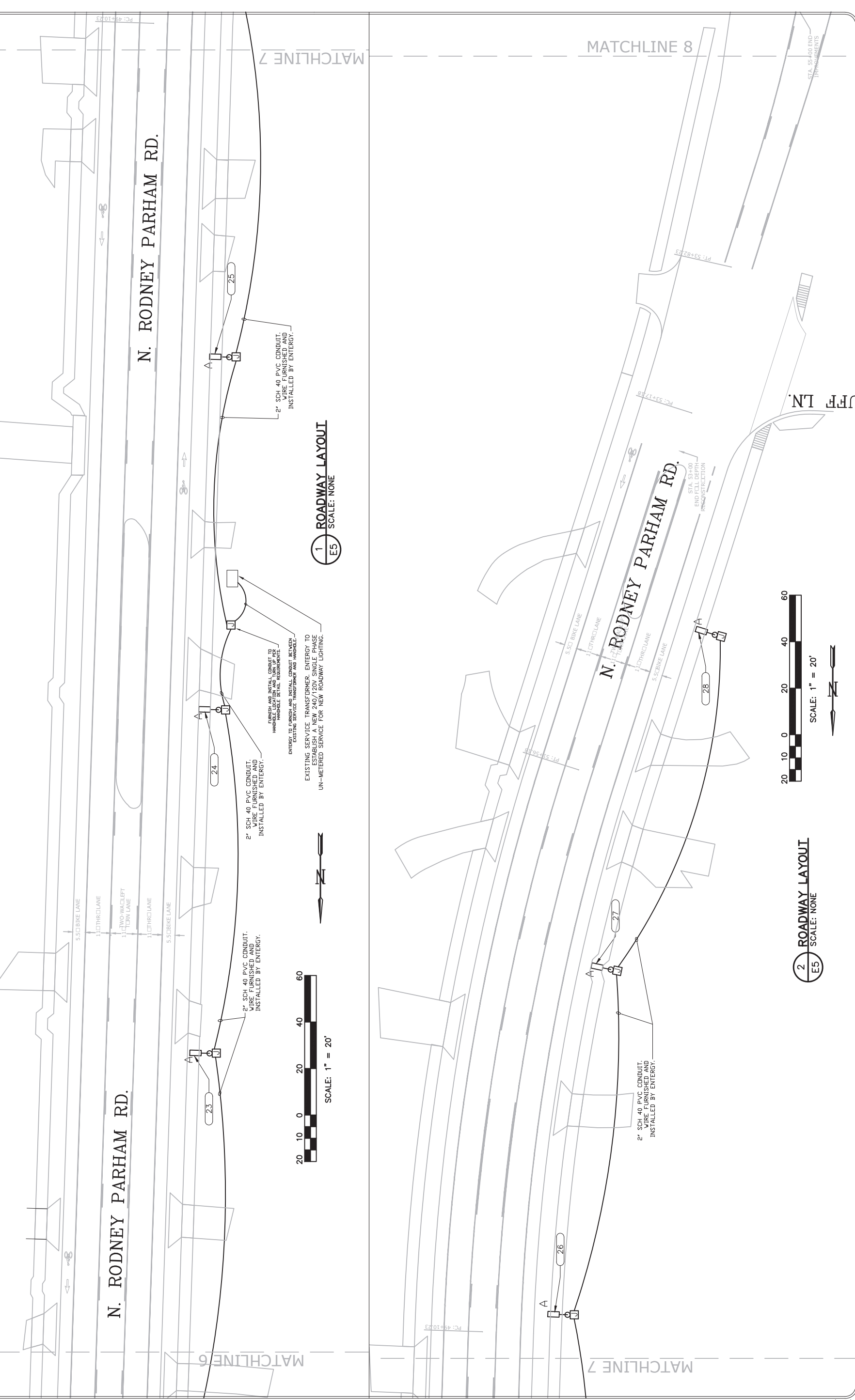
MATCHLINE 23

MATCHLINE 24

MATCHLINE 25

MATCHLINE 26

MATCHLINE 27



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 RODNEY PARHAM ROAD WIDENING
 ELECTRICAL ROADWAY LAYOUT IV

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

DRAWN BY	TB
DESIGNED	BR
CHECKED	BR
DATE	05/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	E5

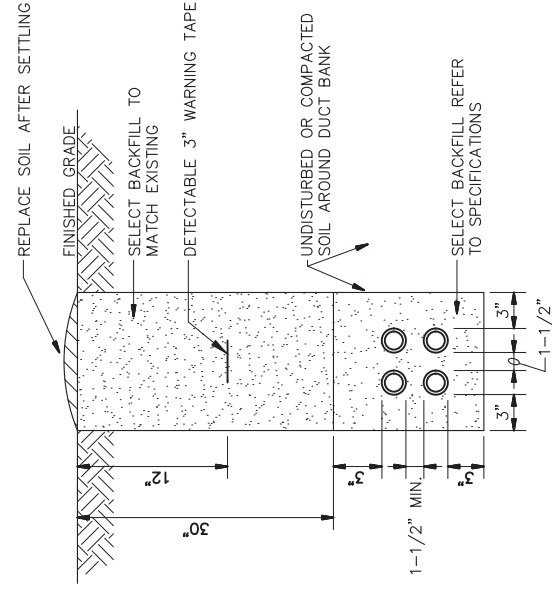
ADDEN 1

1 ROADWAY LAYOUT
 E5
 SCALE: NONE

2 ROADWAY LAYOUT
 E5
 SCALE: NONE

LIGHTING --- FIXTURE SCHEDULE								
MARK	MANUFACTURER	MODEL NUMBER	DESCRIPTION	LAMP TYPE	FIXTURE WATTAGE	VOLTAGE	POLE TYPE	COMMENTS
A	FURNISHED AND INSTALLED BY ENTERGY (BASIS OF DESIGN: LITHONIA)	FURNISHED AND INSTALLED BY ENTERGY (BASIS OF DESIGN: DSX1 LED P5 40K T4M MVOLT SPA PER7 HS DARK BRONZE WITH INTEGRAL PHOTOCELL)	FURNISHED AND INSTALLED BY ENTERGY (BASIS OF DESIGN: TYPE 4 MEDIUM DISTRIBUTION SINGLE HEAD)	FURNISHED AND INSTALLED BY ENTERGY (BASIS OF DESIGN: LED)	FURNISHED AND INSTALLED BY ENTERGY (BASIS OF DESIGN: 138 W)	FURNISHED AND INSTALLED BY ENTERGY (BASIS OF DESIGN: 240 V)	FURNISHED AND INSTALLED BY ENTERGY (BASIS OF DESIGN: 30' HEIGHT, 6" SQUARE STEEL POLE, 0.25" WALL THICKNESS, DARK BRONZE, BOLT COVER BASE PLATE, LOW HANDHOLE, SQUARE POLE MOUNT)	FURNISHED AND INSTALLED BY ENTERGY (BASIS OF DESIGN: LIGHT TO BE CONTROLLED BY INTEGRAL PHOTOCELL, FURNISH WITH HOUSE-SIDE SHIELD)

NOTE: TYPE A FIXTURE, POLE, AND POLE BASE TO BE PROVIDED BY ENTERGY PER ENTERGY SPECIFICATIONS.

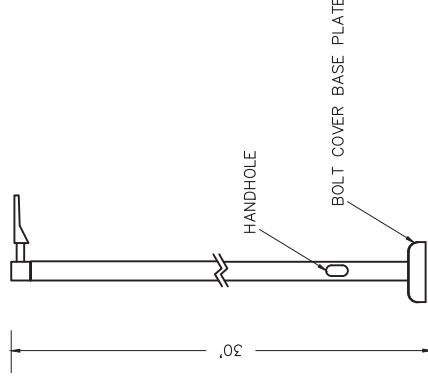


1 TRENCH DETAIL
SCALE: NONE

- ELECTRICAL DUCT NOTES:**
- CONTRACTOR SHALL STAKE THE DUCT INSTALLATION IN PLAN AND ELEVATION FOR NEW ELECTRICAL DUCTS TO AVOID EXISTING UTILITIES.
 - CONTRACTOR SHALL ADJUST THE DEPTH OF THE ELECTRICAL DUCTS AS REQUIRED TO MAINTAIN THE MINIMUM COVER REQUIREMENT INDICATED AND AVOID EXISTING UTILITIES.
 - SIMILAR CONSTRUCTION FOR OTHER DUCT SIZES. SEE DUCT BANK SCHEDULE FOR QUANTITY AND SIZES.
 - INSTALL DUCT CONDUIT SUPPORTS AT 5'-0" O.C. MAXIMUM SPACING (TYPICAL ALL DUCTS).
 - OFFSETS AND BENDS OVER 10 DEGREES AND ELBOWS IN PVC CONDUIT RUNS SHALL BE GALVANIZED RIGID STEEL CONDUIT.
 - NO PVC SHALL EMERGE FROM THE GROUND OR CONCRETE SLAB OR ENCASEMENT. PVC SHALL CONVERT TO GALVANIZED RIGID STEEL CONDUIT PRIOR TO ITS EMERGENCE.
 - INSTALL GROUND RODS AT ENDS OF ELECTRICAL DUCT OR CONNECT TO GROUND RING.
 - INSTALL CONDUCTORS AND CABLES AS NOTED ON DRAWING. INSTALL PULLWIRE IN ALL SPARE DUCTS.
 - MINIMUM COVER REQUIREMENT FOR DUCT BANKS UNDER ROADS, DRIVEWAYS AND PARKING LOTS SHALL BE 30".
 - MINIMUM COVER REQUIREMENTS FOR ELECTRICAL SECONDARY SERVICE DUCT BANKS SHALL BE 30".
 - MINIMUM COVER REQUIREMENTS FOR ELECTRICAL PRIMARY SERVICE DUCT BANKS SHALL BE 36".

NOTES:

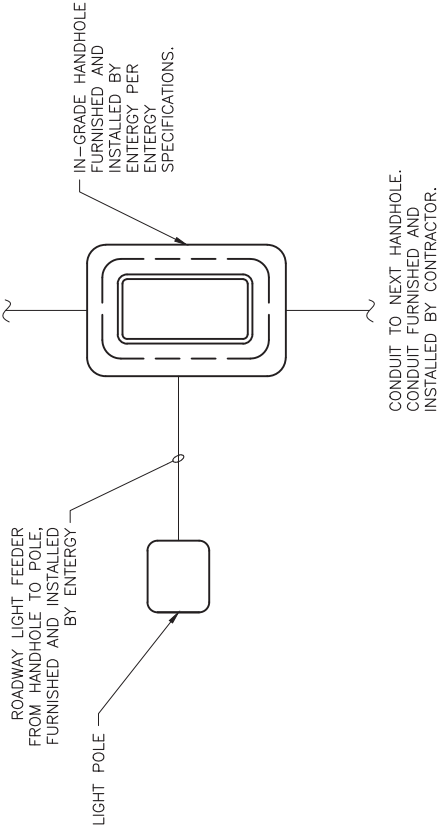
- REFER TO LIGHT FIXTURE SCHEDULE FOR FIXTURE, ARM MOUNT, AND POLE BASIS OF DESIGN.
- SIZE BASE PLATE, CONNECTIONS, BOLTS, AND COVER PER MANUFACTURERS' DETAILS.



2 POLE BASIS OF DESIGN DETAIL
SCALE: NONE

NOTE: TYPE A FIXTURE, POLE, AND POLE BASE TO BE PROVIDED BY ENTERGY PER ENTERGY SPECIFICATIONS.

ADDEN I



PLAN VIEW

3 HANDHOLE AND POLE BASE DETAIL
SCALE: NONE

NOTE: CONTRACTOR SHALL USE LONG SWEEP 90 DEGREE PVC SCH 80 CONDUIT TO TURN UP INTO HANDHOLE. COORDINATE WITH ENTERGY TO PREPARE CONDUIT TURN-UPS FOR INSTALLATION OF BOX BY ENTERGY.

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
RODNEY PARHAM ROAD WIDENING
ELECTRICAL DETAILS

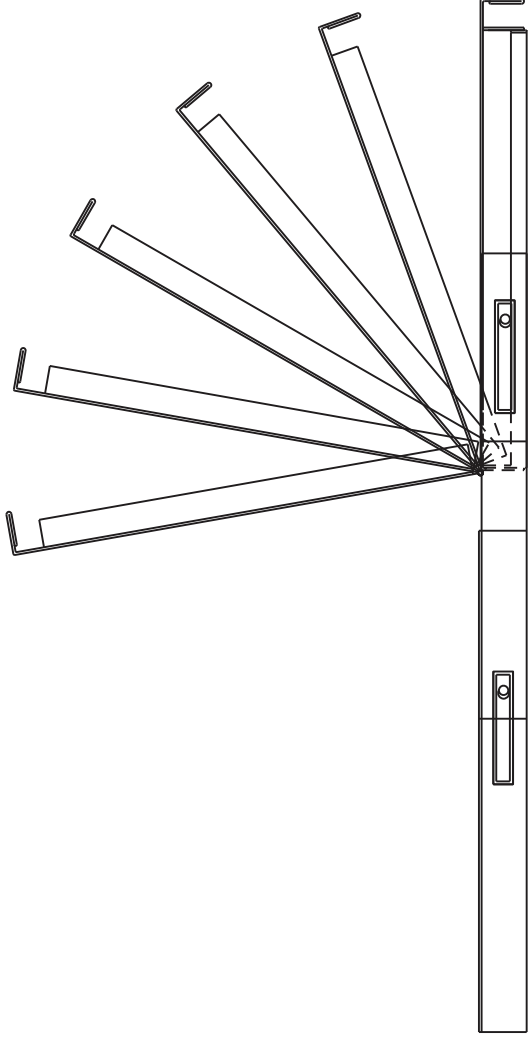
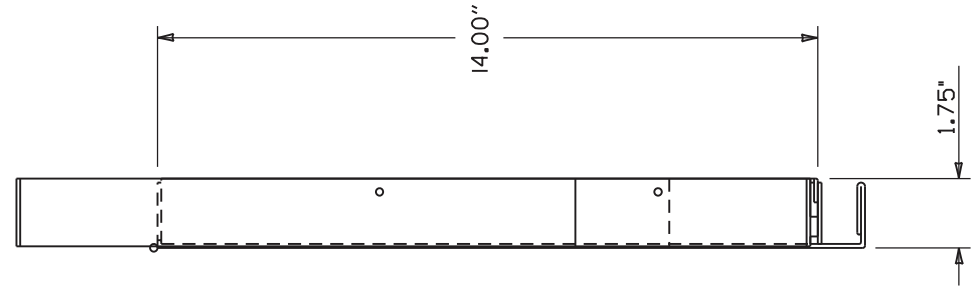
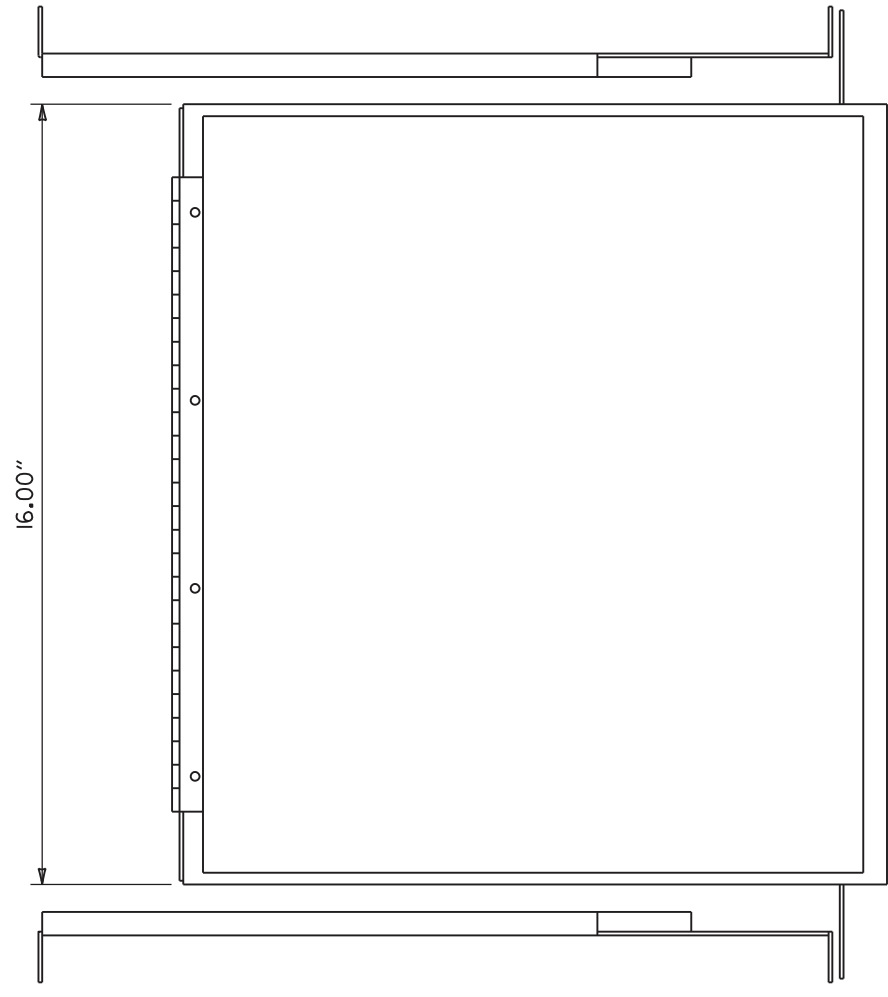
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



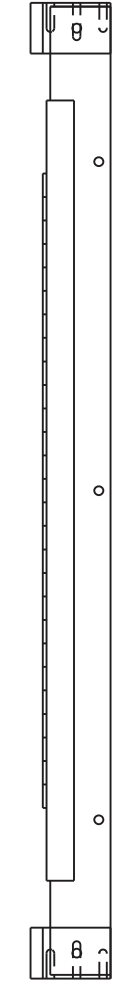
DRAWN BY	TB
DESIGNED	BR
CHECKED	BR
DATE	05/2021
SCALE	AS SHOWN
PROJECT NO.	04-17-ST-202
SHEET NO.	E6

ADDEN 1

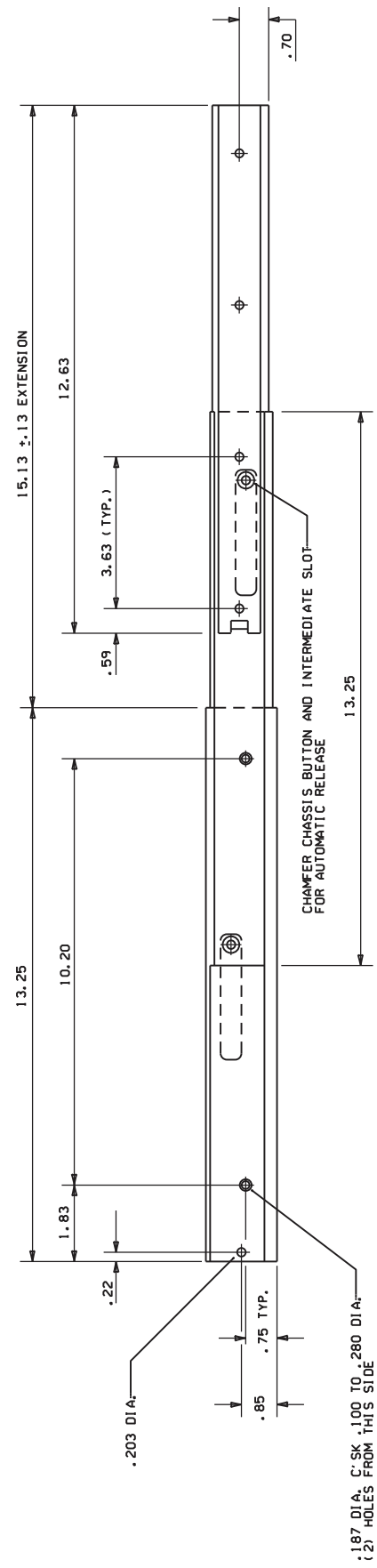
DRAWER PLAN VIEW



NOTES:
 1. LEFT HAND SLIDE SHOWN. LEFT SLIDE OPPOSITE.
 2. USE GENERAL SPECIFICATIONS (CC3002-99-0102) OR EQUAL AND CONTAINS (1) RIGHT HAND SLIDE ASSEMBLY, (1) LEFT HAND SLIDE ASSEMBLY.
 3. ALL HARDWARE NECESSARY TO FASTEN SLIDE ASSEMBLY TO UNDERSIDE OF CONTROLLER SHELF SHALL BE INCLUDED.



FRONT VIEW

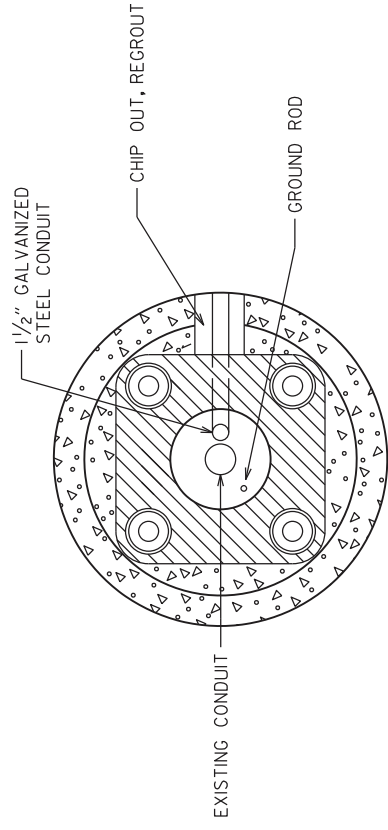


RIGHT SIDE ASSEMBLY

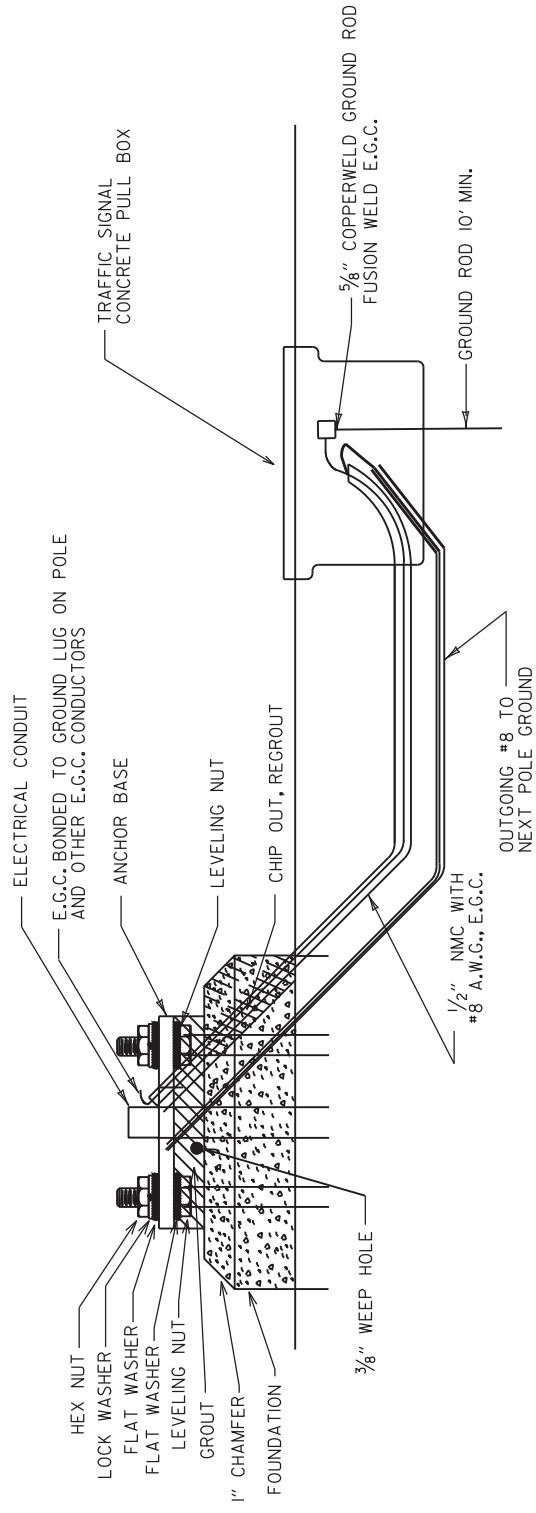
ARKANSAS STATE HIGHWAY COMMISSION	
CONTROLLER CABINET UTILITY DRAWER	
9-12-13	ISSUED AS STANDARD DRAWING
6-15-05	ISSUED
DATE	REVISION
	DATE FILM
	STANDARD DRAWING SD-5

ADDEN 1

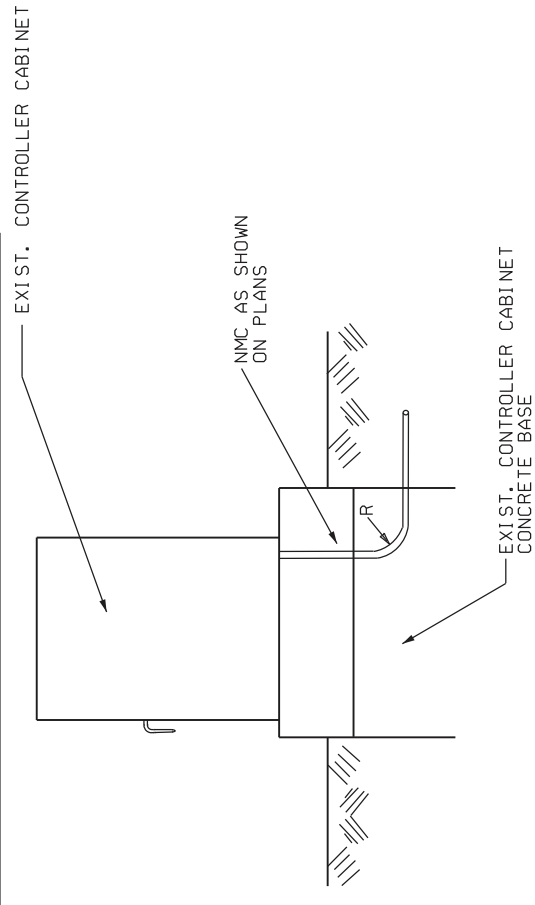
CONDUIT ENTRY TO EXISTING POLE BASE



ANCHOR BASE

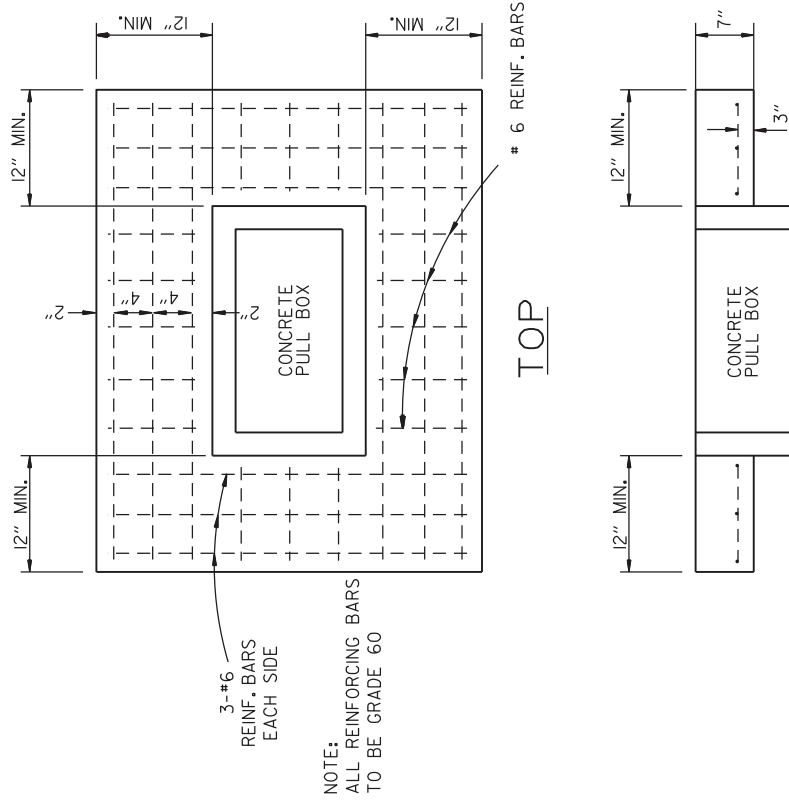
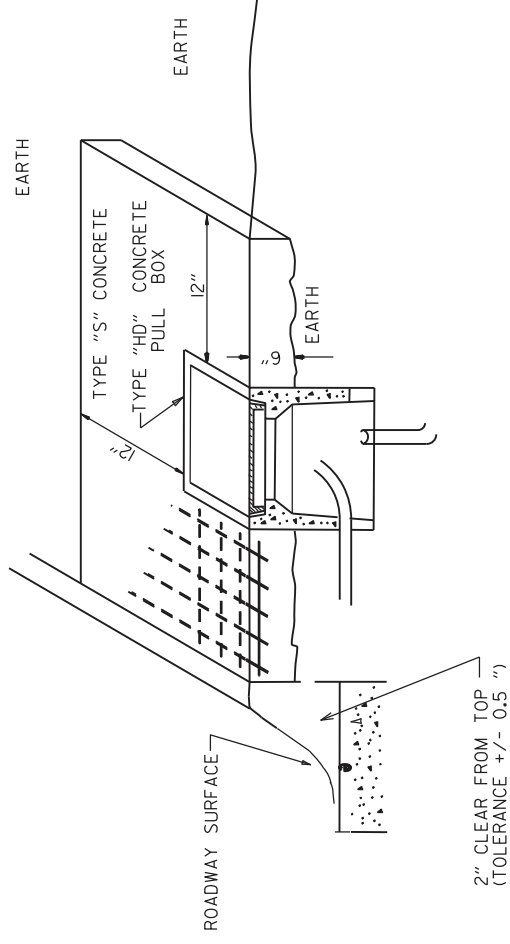


CONDUIT ENTRY TO EXISTING CONTROLLER CABINET



NOTE: ENTRY TO CABINET SHALL BE THROUGH A CUT IN THE BASE SUFFICIENT TO PROVIDE ADEQUATE CONDUIT RADIUS FOR ITEM.

TYPE "HD" CONCRETE PULL BOX DETAIL



NOTE: ALL REINFORCING BARS TO BE GRADE 60

NOTE: ALL TYPE I AND TYPE 2 HD CONCRETE PULL BOXES ARE INSTALLED WITH AN APRON OF CONCRETE 12" WIDE AND 7" IN DEPTH. ALL PAYMENT SHALL BE INCLUDED IN THE PRICE OF THE TYPE HD CONCRETE PULL BOX. THE CONCRETE PULL BOX SHALL BE INSTALLED FLUSH TO SURROUNDING GRADE UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. THE CONCRETE SHALL BE CLASS "S", THREE #6 REINFORCING BARS IN THE APRON ON ALL SIDES OF THE CONCRETE PULL BOX IS REQUIRED IN CONCRETE.

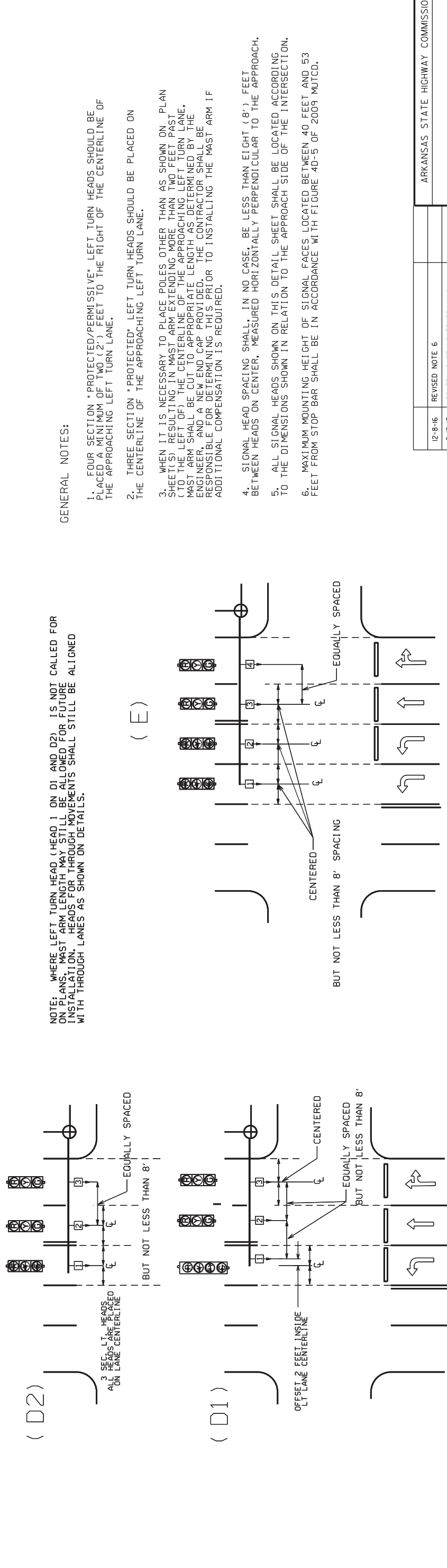
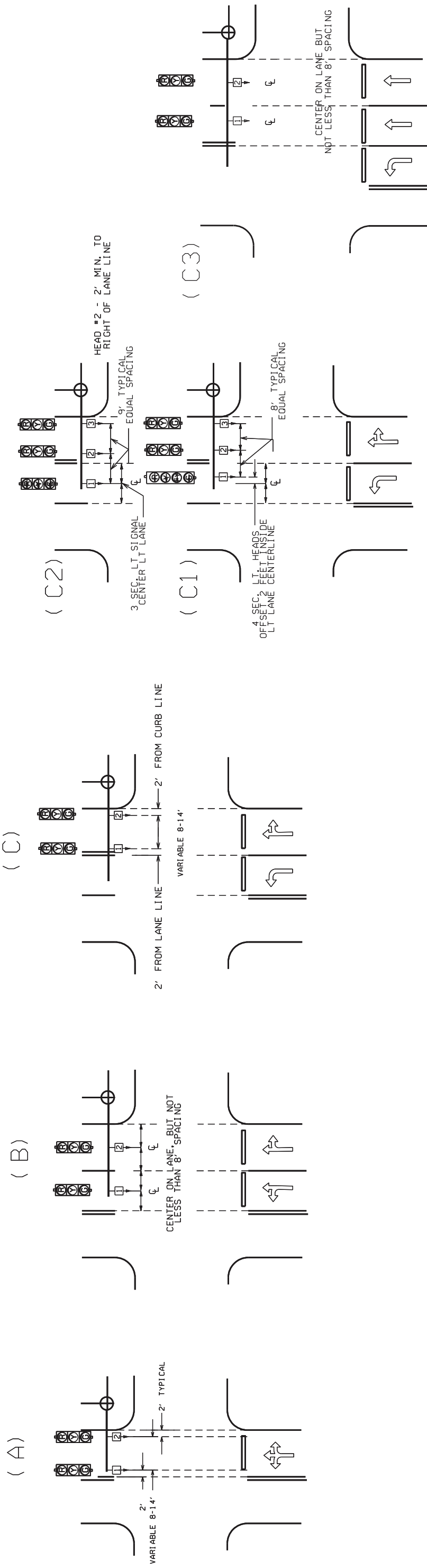
REVISION NOTES	DATE	REVISION	FILMED
11-16-17			
09-02-16			
09-02-15			
05-29-13			
05-29-09			
07-31-08			
06-23-04			
01-04-02			
07-02-01			
12-27-99			
11-18-98			

ARKANSAS STATE HIGHWAY COMMISSION

HEAVY DUTY PULL BOX

STANDARD DRAWING SD-6

ADDENDUM 1



NOTE: WHERE LEFT TURN HEAD (HEAD 1 ON D1 AND D2) IS NOT CALLED FOR ON PLANS, MAST ARM LENGTH MAY STILL BE ALLOWED FOR FUTURE INSTALLATION. HEADS FOR THROUGH MOVEMENTS SHALL STILL BE ALIGNED WITH THROUGH LANES AS SHOWN ON DETAILS.

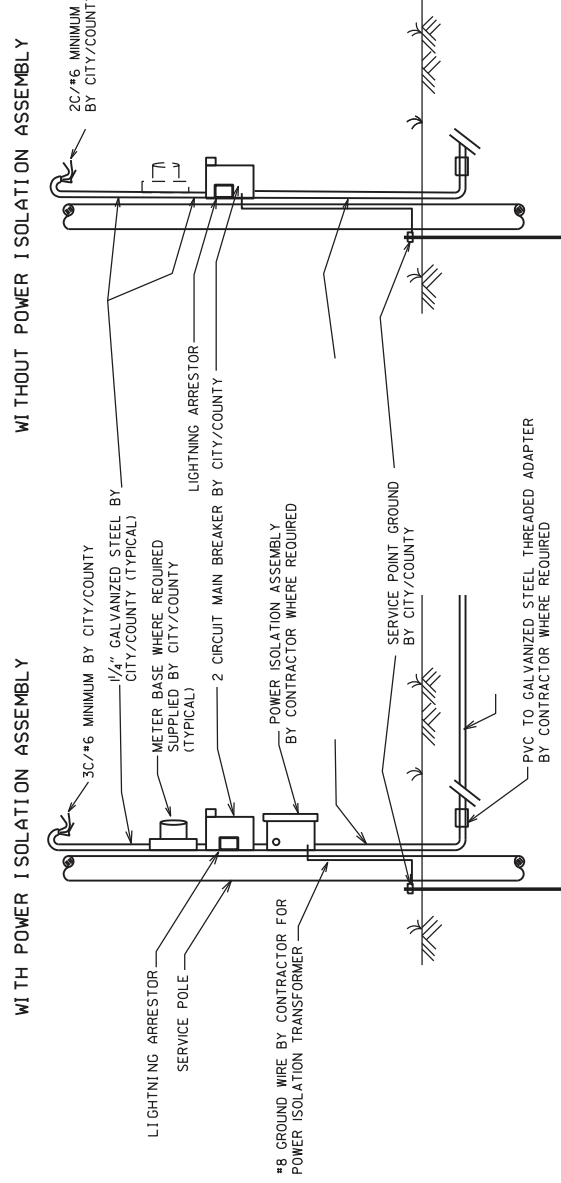
GENERAL NOTES:

1. FOUR SECTION *PROTECTED/PERMISSIVE* LEFT TURN HEADS SHOULD BE PLACED A MINIMUM OF TWO (2') FEET TO THE RIGHT OF THE CENTERLINE OF THE APPROACHING LEFT TURN LANE.
2. THREE SECTION *PROTECTED* LEFT TURN HEADS SHOULD BE PLACED ON THE CENTERLINE OF THE APPROACHING LEFT TURN LANE.
3. WHEN IT IS NECESSARY TO PLACE POLES OTHER THAN AS SHOWN ON PLAN SHEET(S) RESULTING IN MAST ARM EXTENDING MORE THAN TWO FEET PAST TO THE LEFT OF THE CENTERLINE OF THE APPROACHING LEFT TURN LANE, MAST ARM SHALL BE CUT TO APPROPRIATE LENGTH AS DETERMINED BY THE ENGINEER, AND A NEW END CAP PROVIDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THIS PRIOR TO INSTALLING THE MAST ARM IF ADDITIONAL COMPENSATION IS REQUIRED.
4. SIGNAL HEAD SPACING SHALL, IN NO CASE, BE LESS THAN EIGHT (8') FEET BETWEEN HEADS ON CENTER, MEASURED HORIZONTALLY PERPENDICULAR TO THE APPROACH.
5. ALL SIGNAL HEADS SHOWN ON THIS DETAIL SHEET SHALL BE LOCATED ACCORDING TO THE DIMENSIONS SHOWN IN RELATION TO THE APPROACH SIDE OF THE INTERSECTION.
6. MAXIMUM MOUNTING HEIGHT OF SIGNAL FACES LOCATED BETWEEN 40 FEET AND 53 FEET FROM STOP BAR SHALL BE IN ACCORDANCE WITH FIGURE 4D-5 OF 2009 MUTCD.

℄ = CENTER OF LANE FROM APPROACH SIDE

12-8-16	REVISED NOTE 6	ARKANSAS STATE HIGHWAY COMMISSION	
9-12-13	ISSUED AS STANDARD DRAWING	SIGNAL HEAD PLACEMENT	
3-11-10	2009 MUTCD		
12-9-99	ISSUED		
DATE	REVISION	DATE	FILM
			STANDARD DRAWING SD-8

MAIN BREAKER NOT NEAR CONTROLLER CABINET SECONDARY REQUIRED



NOTES TO CONTRACTOR AND AGENCY RESPONSIBLE FOR MAINTENANCE OF THE INTERSECTION (CITY/COUNTY):

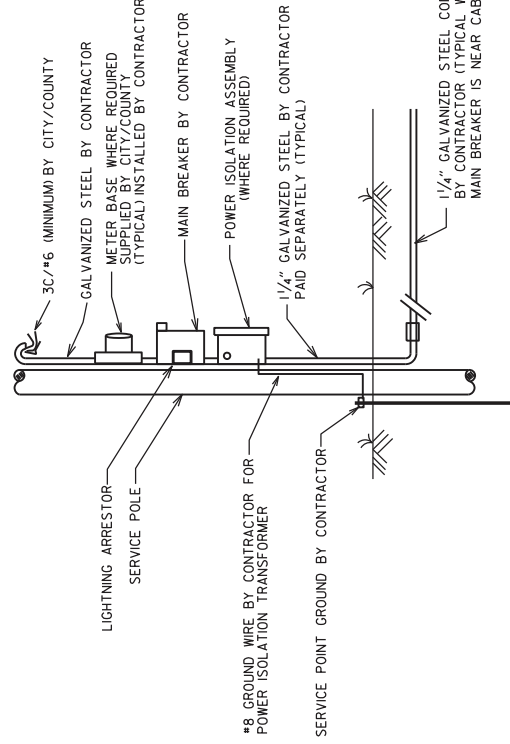
ELECTRICAL SERVICE TYPICALLY FALLS INTO TWO CATEGORIES: MAIN BREAKER NEAR CONTROLLER CABINET; AND MAIN BREAKER NOT NEAR CONTROLLER CABINET. THE CONTRACTOR'S AND THE CITY'S/COUNTY'S RESPONSIBILITY VARIES ACCORDINGLY AS INDICATED ON THESE DETAILS.

ALL SITUATIONS:
ELECTRICAL SERVICE SHALL BE PROVIDED BY THE CITY/COUNTY TO A SERVICE POLE WITH EXTERNAL RAIN-TIGHT BREAKER (MAIN BREAKER) AT A MUTUALLY ACCEPTABLE POINT WITHIN THE RIGHT-OF-WAY. SERVICE POINT INCLUDES GALVANIZED STEEL CONDUIT TO A POINT 18" BELOW GROUND LINE, TWO CIRCUIT MAIN BREAKER, LIGHTNING ARRESTOR, POWER ISOLATION ASSEMBLY WHERE REQUIRED, METER LOOP IF REQUIRED BY LOCAL UTILITY COMPANY, ELECTRICAL CONDUCTORS AND WEATHERHEAD. WHERE STREET LIGHTING IS INCLUDED AS PART OF SIGNAL INSTALLATION STREET LIGHTING CIRCUIT (2C/12 A.W.G. UF RATED, TYPICAL) SHALL BE KEPT SEPARATE FROM THE CIRCUIT SERVING TRAFFIC SIGNAL. SERVICE WIRE AND WIRING FROM THE CONTROLLER TO MAIN BREAKER IS PROVIDED BY THE CONTRACTOR AS A PART OF THIS CONTRACT. WIRE AND WIRING FROM MAIN BREAKER, AND CONNECTION TO THE UTILITY IS THE RESPONSIBILITY OF THE CITY/COUNTY.

MAIN BREAKER NOT NEAR CONTROLLER CABINET:
THE MAIN BREAKER ASSEMBLY, GALVANIZED STEEL CONDUIT, WEATHERHEAD AND WIRE ABOVE MAIN BREAKER BREAKER IS FURNISHED AND INSTALLED BY THE CONTRACTOR. WIRING FROM MAIN BREAKER INCLUDING CONNECTION TO THE UTILITY, IS THE RESPONSIBILITY OF THE CITY/COUNTY. IF METER LOOP IS REQUIRED, METER BASE AND HARDWARE IS PROVIDED BY THE CITY/COUNTY AND INSTALLED BY THE CONTRACTOR.

MAIN BREAKER NEAR CONTROLLER CABINET:
ALL COMPONENTS OF THE SERVICE POINT WITH THE EXCEPTION OF THE WIRE AND WIRING ABOVE THE MAIN BREAKER IS FURNISHED AND INSTALLED BY THE CONTRACTOR. WIRING FROM MAIN BREAKER INCLUDING CONNECTION TO THE UTILITY, IS THE RESPONSIBILITY OF THE CITY/COUNTY. IF METER LOOP IS REQUIRED, METER BASE AND HARDWARE IS PROVIDED BY THE CITY/COUNTY AND INSTALLED BY THE CONTRACTOR.

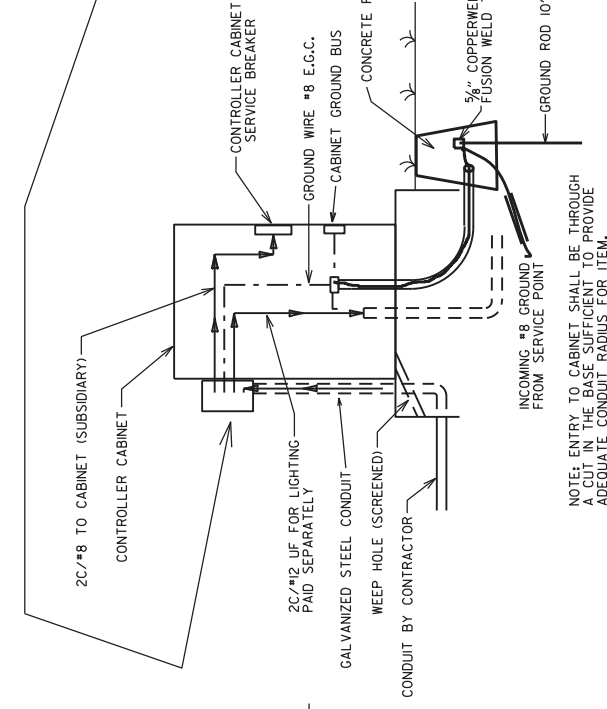
MAIN BREAKER NEAR CONTROLLER CABINET SECONDARY NOT REQUIRED



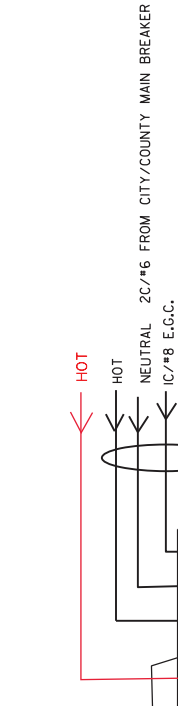
NOTE: ENTRY TO CABINET SHALL BE THROUGH A CUT IN THE BASE SUFFICIENT TO PROVIDE ADEQUATE CONDUIT RADIUS FOR ITEM.

GROUND ROD - A 10' X 5/8" GROUND ROD SHALL BE INSTALLED IN THE CONCRETE PULL BOX FOR EACH POLE AND THE CONTROLLER. PAYMENT FOR THE GROUND ROD AND 1/2" NMC SHALL BE INCLUDED IN ITEM 701. THE CONCRETE PULL BOX AND CONDUCTOR BOX SHALL BE PAID FOR SEPARATELY.

SECONDARY BREAKER BY CONTRACTOR (SUBSIDIARY)



NOTE: ENTRY TO CABINET SHALL BE THROUGH A CUT IN THE BASE SUFFICIENT TO PROVIDE ADEQUATE CONDUIT RADIUS FOR ITEM.



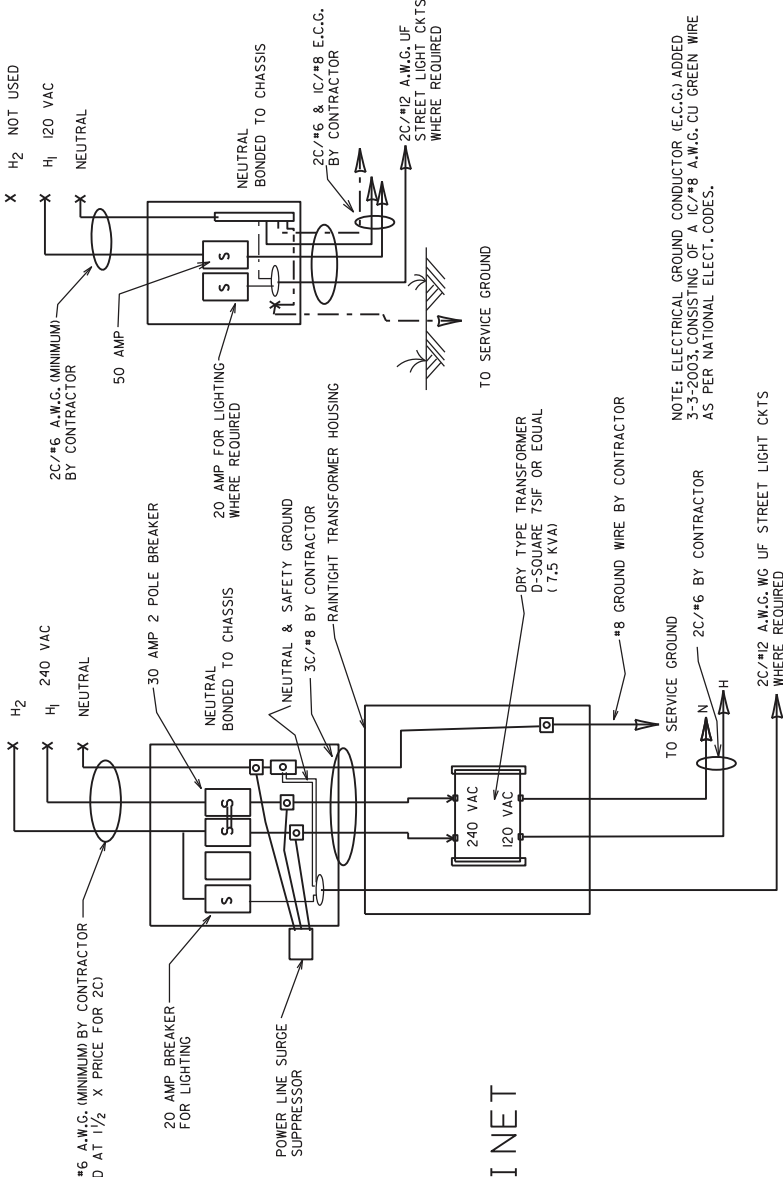
ADDEND 1

MAIN BREAKER WIRING (TYPICAL)

SERVICE GROUND IS TYPICALLY TIED TO NEUTRAL AT THE MAIN BREAKER. AS SUCH, CONTROLLER GROUND IS NOT TIED TO NEUTRAL AT SECONDARY BREAKER OR IN CONTROLLER CABINET.

WITH POWER ISOLATION ASSEMBLY 4 CIRCUIT MAIN BREAKER

WITHOUT POWER ISOLATION ASSEMBLY 2 CIRCUIT MAIN BREAKER



NOTE: ELECTRICAL GROUND CONDUCTOR (E.G.C.) ADDED 3-3-2003; CONSISTING OF A IC/16 A.W.G. CU GREEN WIRE AS PER NATIONAL ELECT. CODES.

06-24-21 REVISED MAIN BREAKER WIRING (TYPICAL)

DATE	REVISION	FILMED
02-05-99	ISSUED	
07-28-99	REVISED	
12-27-99	REVISED	
09-26-01	REVISED	
03-03-03	ADDED ECC NOTE	
07-31-08	REVISED GROUNDING	
05-21-09	REVISED GROUNDING	
04-18-13	ADDED LIGHTNING ARRESTOR	
09-12-13	ISSUED AS STANDARD DRAWING	
11-16-17	REVISED NOTES	

NOTE: ENTRY TO CABINET SHALL BE THROUGH A CUT IN THE BASE SUFFICIENT TO PROVIDE ADEQUATE CONDUIT RADIUS FOR ITEM.

NOTE: ENTRY TO CABINET SHALL BE THROUGH A CUT IN THE BASE SUFFICIENT TO PROVIDE ADEQUATE CONDUIT RADIUS FOR ITEM.

NOTES:
 PEDESTRIAN AND TRAFFIC SIGNAL HEAD SIGNS: EACH ITEM "TRAFFIC SIGNAL HEAD (4 SEC., 1-WAY)" TO BE USED AS A LEFT TURN INDICATION ONLY SHALL INCLUDE A SIGNAL (R10-10) AS SHOWN, ATTACHED TO THE MAST ARM OR SPAN ASSEMBLY 12" TO THE RIGHT OF THE SIGNAL HEAD UNLESS REMOVED WITHIN THE SIGNAL PLAN NOTES.
 EACH ITEM "TRAFFIC SIGNAL HEAD (3 SEC., 1-WAY)" TO BE USED AS A LEFT TURN INDICATION ONLY SHALL INCLUDE A SIGNAL (R10-10) AS SHOWN, ATTACHED TO THE MAST ARM OR SPAN ASSEMBLY 12" TO THE RIGHT OF THE SIGNAL HEAD.
 EACH PEDESTRIAN PUSHBUTTON SHALL HAVE ONE R10-3E SIGN ATTACHED TO THE POLE ABOVE THE BUTTON. ALL SIGNS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 723 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

ALL SIGN BLANKS SHALL BE CONSTRUCTED OF ALUMINUM ALLOY (ASTM DESIGNATION B-209, ALLOY 5052-H38) WITH THICKNESS OF 0.100 INCH.

GENERAL NOTES:
 1. MAST ARM POLES SHALL BE MOUNTED A MINIMUM OF FOUR (4) FEET BEHIND CURB OR SHOULDER.
 2. OCTAGONAL POLES AND ARMS MEETING THE REQUIREMENTS OF THE PLANS SPECIFICATIONS CAN BE INSTALLED IN LIEU OF ROUND. ALL POLES AND ARMS IN A JOB MUST BE THE SAME SHAPE.
 3. MINIMUM STRUCTURAL REQUIREMENTS: DESIGN SPECIFICATIONS; AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION (2001) WITH 2003 AND 2006 INTERMS.

USE FATIGUE CATEGORY II FOR ALL STRUCTURES ON ROUTES WHERE THE SPEED LIMIT IS 65 MPH AND GREATER AT THE STRUCTURE LOCATION AND ON ROUTES WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH WITH AN MAST ARM OF 60' OR LONGER.
 USE FATIGUE CATEGORY III FOR ALL STRUCTURES WHERE THE SPEED LIMIT IS 45 MPH AND LESS AND MAST ARMS LESS THAN 60'.

CONSTRUCTION SPECIFICATIONS: STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION) WITH APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.

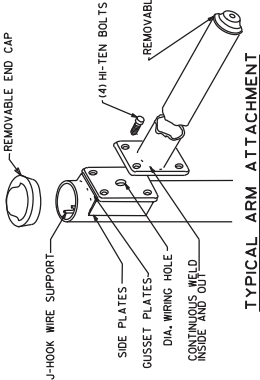
BASE WIND SPEED: 90 MPH.
 STEEL MEMBERS CONSIDERED MAIN LOAD CARRYING MEMBERS WITH A THICKNESS GREATER THAN 1/2" SHALL MEET THE LONGITUDINAL CHIPPY V-NOTCH TEST SPECIFIED IN SUBSECTION 807.05 OF THE STANDARD SPECIFICATIONS.

DEAD LOAD: AS A MINIMUM, DESIGN SHALL BE BASED ON THE FIXED ATTACHMENTS SHOWN BELOW OR AS MODIFIED IN THE PLANS.
 ALL SIGNAL HEADS TO BE ONE WAY, TWELVE (12") INCH AND HAVE FIVE (5") INCH BACK PLATES.
 SIGNAL HEADS AT THE END OF MAST ARM - ONE 4 SEC., 85 LB., 14.5 SO. FT., ONE SIGN MOUNTED 3 FEET FROM SIGNAL HEAD (2'-0" X 2'-6" X 20 LB.) REMAINING SIGNAL HEADS SPACED AT 8 FT. (3 SEC., 56 LB., 8.3 SO. FT.); DESIGN TO ACCOMMODATE.
 2. SIGNAL HEADS FOR MAST ARMS 10 FT. TO 16 FT.
 3. SIGNAL HEADS FOR MAST ARMS 18 FT. TO 24 FT.
 4. SIGNAL HEADS FOR MAST ARMS OVER 26 FT.

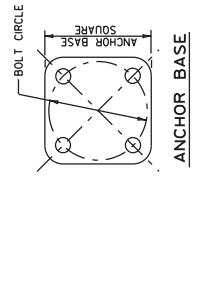
STREET NAME SIGN - 72" X 18" X 36 LB., MOUNTED SUCH THAT OUTSIDE EDGE IS NOT GREATER THAN 12 FT. FROM POLE. DEPENDENT UPON POSITION OF SIGNAL HEAD ADJACENT TO POLE, SIGN MAY OVERLAP POLE SHAFT.
 10. POLE, SIGN, AND OVERLAP POLE SHAFT. (PLAN SHEET) - VIBRATION LUMINAIRES (WHERE REQUIRED ON PLAN SHEET) PEDESTRIAN SIGNS: TWO (2) SEC., 2 INCH MOUNTED 8 FT. FROM BASE OF POLE. POST MOUNTED 3 SEC. SIGNAL HEAD AT 10 FT. ON SIDE OF POLE.
 4. POLE/MAST ARM CAP - POLE AND MAST ARM CAPS SHALL BE PROVIDED, FABRICATED OF EITHER STEEL OR CAST ALUMINUM.

5. HAND HOLE - HAND HOLES SHALL BE 4 IN. X 6 IN. STANDARD, AND 3 IN. X 5 IN. FOR PED POLES. MINIMUM PLACED APPROXIMATELY 12 INCHES FROM BASE, AND SHALL BE FIXED WITH A BOLT DOWN COVER. A VACUUM FORMED ABS COVER IS AN ACCEPTABLE ALTERNATE TO STEEL-POLES GREATER THAN 21 FT. IN HEIGHT IF ROADWAY LUMINAIRE ATTACHMENTS SHALL INCLUDE A HAND HOLE WITHIN 12 INCHES OF MAST ARMS ATTACHMENTS.
 6. POLE/MAST ARM TAPER SLOPE - AVERAGE TAPER OF SIGNAL MAST ARMS AND POLE SHAFT SHALL BE 0.125 TO 0.15 INCHES PER FOOT.
 MAST ARM CENTERLINE ANGLE AT ATTACHMENT POINT WITH POLE SHALL MAINTAIN NOT LESS THAN 0.5 DEGREES OR MORE THAN 4 DEGREES POSITIVE SLOPE WITH A LINE PERPENDICULAR TO THE POLE CENTERLINE. THE MAST ARM SHALL MAINTAIN A POSITIVE SLOPE AFTER IT IS PLACED UNDER LOAD.
 7. NUT COVER - EACH POLE SHALL INCLUDE A BOLT DOWN NUT COVER FOR EACH ANCHOR BOLT.

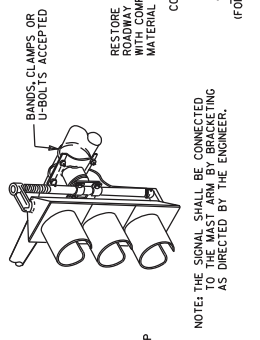
8. GROUND ROD - A 10' X 3/4" GROUND ROD SHALL BE INSTALLED IN THE CONCRETE PULL BOX FOR EACH POLE AND THE CONTROLLER. PAYMENT FOR THE GROUND ROD AND 1/2" NMC SHALL BE INCLUDED IN ITEM 714 FOR SIGNAL POLES AND ITEM 710 FOR THE CONTROLLER. THE CONCRETE PULL BOX AND CONTROLLER BOX SHALL BE PAID SEPARATELY.
 9. POLE BASE/FOUNDATION - ANCHOR BOLTS SHALL INCLUDE AS A MINIMUM ONE LEVING NUT, TWO FLA WASHERS, ONE LOCK WASHER, AND ONE HEX NUT PER FEET OF ANCHOR. BASE SHALL BE GROUNDED WITH A 1/2" WEEP HOLE. ALL CONCRETE SHALL BE CLASS "S" OR GREATER.
 10. CONCRETE - ALL CONCRETE FOR CONTROLLER CABINET AND POLE FOUNDATIONS SHALL BE CLASS "S" OR GREATER.



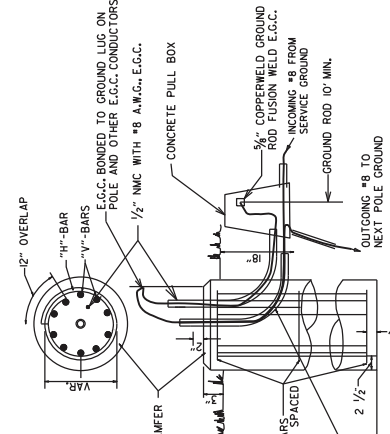
TYPICAL ARM ATTACHMENT



ANCHOR BASE



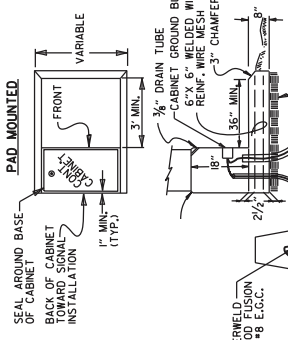
TRENCING DETAIL
 (FOR SAW CUT TRENCH IN ROADWAY)



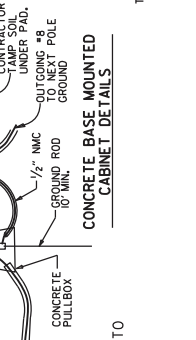
TYPICAL FOUNDATION DETAILS
 POLE FOUNDATION MINIMUM DIMENSIONS AND STEEL REINFORCING. ALL REINFORCING STEEL SHALL BE GRADE 40 MIN.

ARM LENGTH	FOUNDATION DIAMETER	VERTICAL "L"*	STEEL HORIZONTAL O.C.
2' TO 12'	30"	7'-0" (12-#7 (16'-6"))	10-#4 8.44"
OVER 12' TO 20'	30"	10'-6" (12-#7 (10'-0"))	15-#4 8.42"
OVER 20' TO 35'	36"	12'-6" (13-#8 (12'-0"))	16-#4 8.66"
OVER 35' TO 50'	36"	13'-6" (13-#8 (13'-0"))	17-#4 8.88"
OVER 50' TO 72'	42"	14'-6" (18-#8 (14'-0"))	20-#4 8.74"
TWINS TO 20'	30"	16'-0" (12-#6 (15'-6"))	22-#4 8.76"
TWINS OVER 20' TO 44'	36"	16'-0" (13-#8 (15'-6"))	22-#4 8.76"
TWINS OVER 44' TO 50'	42"	16'-0" (18-#8 (15'-6"))	22-#4 8.76"
TWINS OVER 50' TO 72'	42"	16'-6" (18-#8 (16'-0"))	23-#4 8.64"

* THE SHEEPING "L" IN THE FOUNDATION SHALL BE THE SAME SIZE AS THE CONDUIT FROM THE FOUNDATION TO THE PULL BOX AS SHOWN ON THE PLANS.
 THE WIRE SHALL BE FUSION WELDED TO A 1/2" A.I.G. SOLID COPPER GROUND WIRE ATTACHMENT TO THE PRIMARY GROUND MAY BE BY AN APPROVED CLAMP. THE GROUND ROD IS TO BE LOCATED IN THE CONCRETE PULL BOX.



SPAN WIRE SUPPORT POLE AND MAST ARM POLE MOUNTED



CONTROLLER CABINET MOUNTING DETAILS

NOTE:
 UNLESS OTHERWISE DIRECTED BY THE ENGINEER, CABINET ORIENTATION SHALL BE SUCH THAT THE BACK OF THE CABINET IS PARALLEL TO THE STREET AND ORIENTED TO OBSERVE THE CONTROLLER FRONT PANEL.

CONCRETE BASE MOUNTED CABINET DETAILS
 8. GROUND ROD - A 10' X 3/4" GROUND ROD SHALL BE INSTALLED IN THE CONCRETE PULL BOX FOR EACH POLE AND THE CONTROLLER. PAYMENT FOR THE GROUND ROD AND 1/2" NMC SHALL BE INCLUDED IN ITEM 714 FOR SIGNAL POLES AND ITEM 710 FOR THE CONTROLLER. THE CONCRETE PULL BOX AND CONTROLLER BOX SHALL BE PAID SEPARATELY.
 9. POLE BASE/FOUNDATION - ANCHOR BOLTS SHALL INCLUDE AS A MINIMUM ONE LEVING NUT, TWO FLA WASHERS, ONE LOCK WASHER, AND ONE HEX NUT PER FEET OF ANCHOR. BASE SHALL BE GROUNDED WITH A 1/2" WEEP HOLE. ALL CONCRETE SHALL BE CLASS "S" OR GREATER.
 10. CONCRETE - ALL CONCRETE FOR CONTROLLER CABINET AND POLE FOUNDATIONS SHALL BE CLASS "S" OR GREATER.

ADDEN I
 * WHEN THE GROUND ELEVATION AT THE POLE IS LOWER THAN THE ROADWAY ELEVATION, THE LENGTH OF FOUNDATION ABOVE THE GROUND MAY BE INCREASED TO PROVIDE THE REQUIRED SIGNAL HEAD CLEARANCE ABOVE THE ROADWAY. WHEN THE REQUIRED LENGTH OF FOUNDATION ABOVE THE ROADWAY IS 18" OR LESS, NO INCREASE IN DEPTH "L" WILL BE REQUIRED. WHEN THE REQUIRED LENGTH OF FOUNDATION ABOVE THE GROUND IS 5'-6" OR LESS, INCREASE DEPTH "L" BY 1'-0". FOR LENGTHS GREATER THAN 5'-6", DEPTH "L" SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER. LONGITUDINAL REINFORCING, AS SHOWN IN THE TABLE, SHALL BE PROVIDED FOR THE LENGTH OF THE EXTENDED SHAFT AND #4 TIES SHALL BE PROVIDED AT A SPACING NOT TO EXCEED 9" ON CENTERS. PAYMENT WILL BE IN ACCORDANCE WITH SECTION 714 TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION OF THE STANDARD SPECIFICATIONS.
 * IN LIEU OF DESIGNING THE STRUCTURE TO RESIST PERIODIC FATIGUE, A VIBRATORY MITIGATION DEVICE MAY BE PROVIDED BY THE POLE MANUFACTURER. THE VIBRATORY MITIGATION DEVICE SHALL BE AN ANTI-GALLOPING PANEL CONSISTING OF A 60" X 16" X 0.125" SIGN BLANK MOUNTED NEAR THE END OF THE MAST ARM NOT TO EXCEED ONE QUARTER OF THE LENGTH OF THE LONG AXIS OF THE PANEL. THE MAST ARM WITH THE LONG AXIS OF THE MAST ARM, THE COLLINEAR WITH THE LONG AXIS OF THE MAST ARM, THE PANEL SHOULD BE MOUNTED AT SUCH THE HEIGHT AS TO PROVIDE AT LEAST 6" CLEAR FROM THE TOP OF ANY SIGNAL ASSEMBLY OF SIGN PANEL LOCATED ON THE MAST ARM WITHIN THE LENGTH OF THE ANTI-GALLOPING PANEL.
 * TRUCK-INDUCED GUST LOADS SHALL BE EXCLUDED FOR FATIGUE DESIGN FOR ALL STRUCTURES EXCEPT MAST ARMS MOUNTED OVER FACILITIES WITH POSTED SPEEDS OF 65 MPH OR GREATER AT THE LOCATION OF THE STRUCTURE.

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

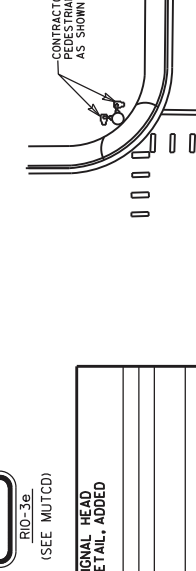
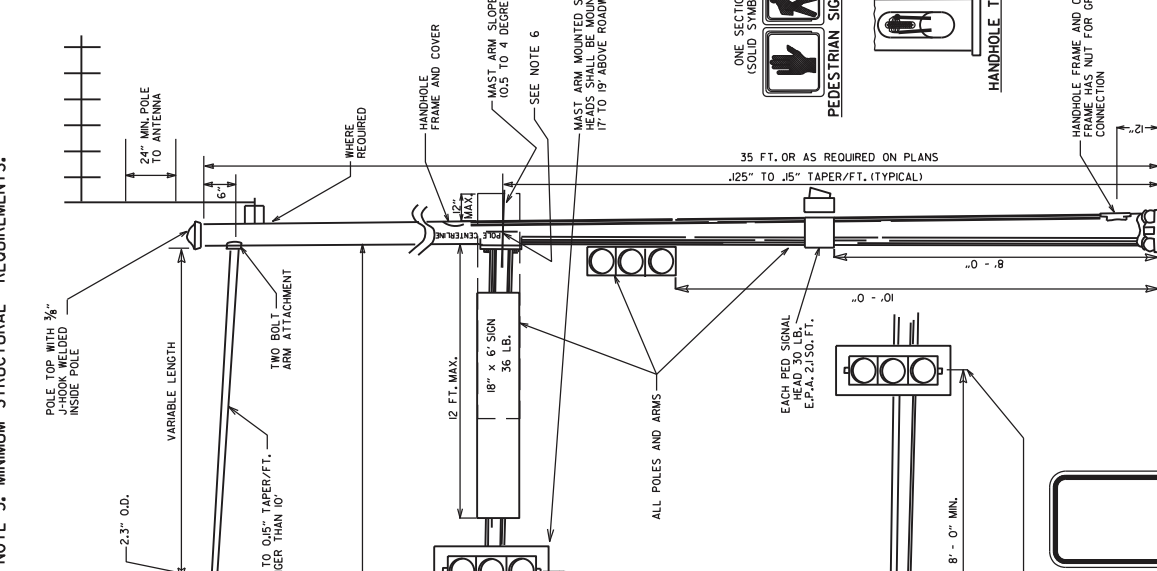
FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

FOR 2" SLIP-FIT LUMINAIRE, MIN. 0.025" TO 0.05" TAPER/FT., IF LONGER THAN 10' MTC. HT. TO BASE

SIGNAL OPERATION NOTES:
 FLASHING OPERATION - PRIOR TO NORMAL OPERATION, SIGNAL SHALL BE FLASHING FOR A PERIOD OF 3 TO 5 WORK DAYS OR AS DIRECTED BY THE ENGINEER. SIGNAL SHALL BE PLACED IN OPERATION ONLY ON A REGULAR WORK DAY, EXCEPT FRIDAY.
 THE CONTRACTOR MAY BE REQUIRED TO ALTER THE FLASHING DISPLAY DURING THE TEMPORARY FLASH PERIOD. AT THE TIME THE INTERSECTION IS PLACED IN PERMANENT OPERATION, THE FLASH SEQUENCE SHALL THEN BE RETURNED TO THAT INDICATED ON THE PLAN SHEETS. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THESE ALTERATION IN FLASH SEQUENCE.
SPECIAL NOTE: 90 MPH WIND ZONE DESIGN, SEE NOTE 3. MINIMUM STRUCTURAL REQUIREMENTS.



CONTRACTOR TO POSITION PEDESTRIAN SIGNAL HEADS AS SHOWN.
PEDESTRIAN SIGNAL HEADS

ARKANSAS STATE HIGHWAY COMMISSION
STEEL POLE WITH MAST ARM
STANDARD DRAWING SD-I1

DATE

REVISION

ISSUED

REVISION

ISSUED

REVISION

ISSUED

REVISION

ISSUED

REVISION

ISSUED