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ELECTRIC

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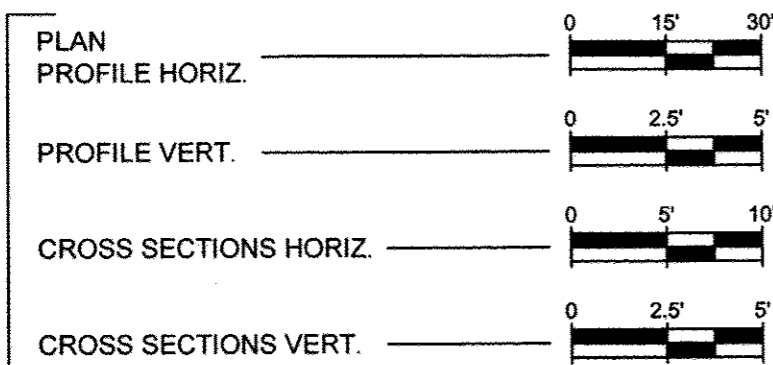
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SCALES



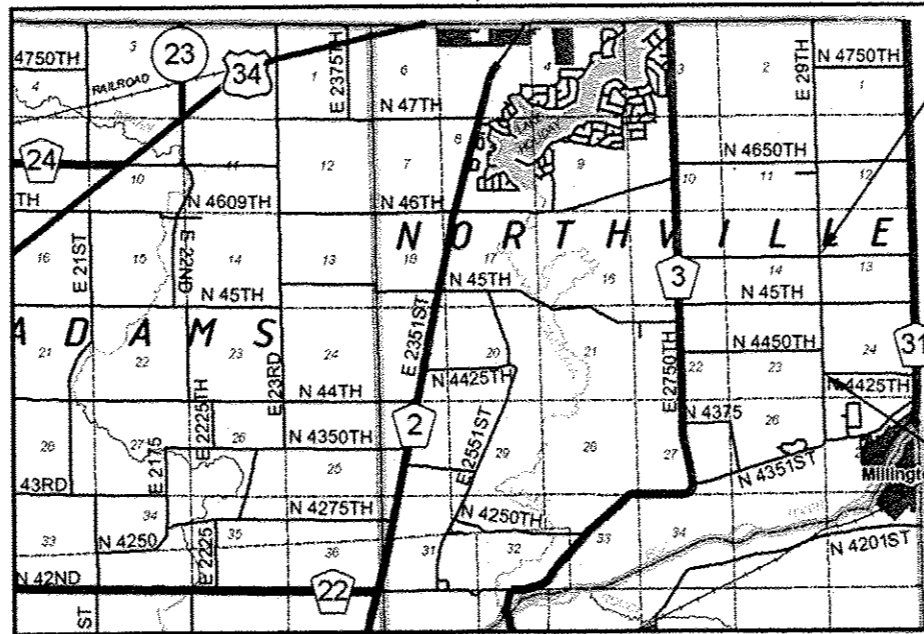
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

CONTRACT NO. 87519

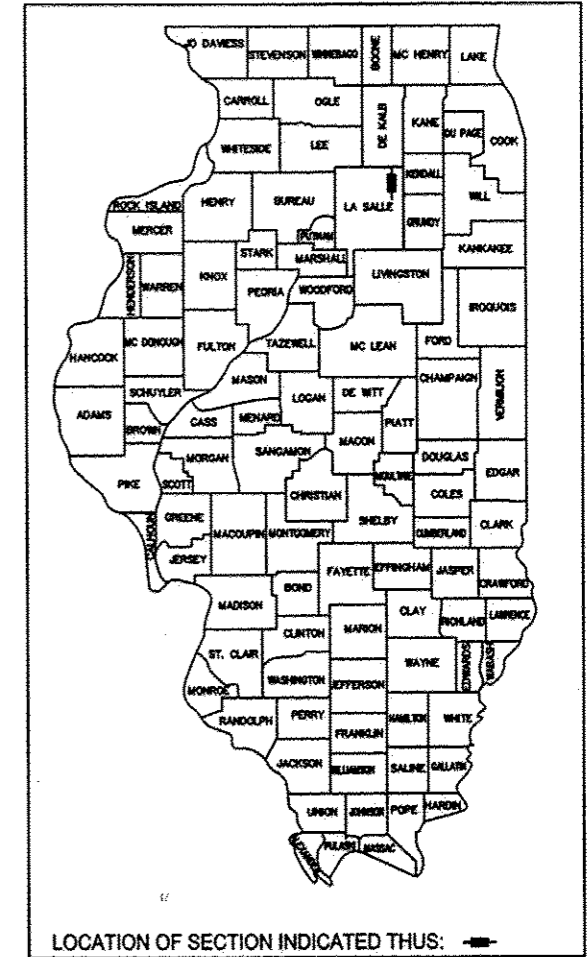
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
HRRRP PROJECT
TR 460 (E. 29TH ROAD)
SECTION 11-23103-01-SP
PROJECT HRR-0099 (047)
NORTHVILLE TOWNSHIP
LASALLE COUNTY**
C-93-051-12

T. 36 N., R. 5 E.



SECTION 11-23103-01-SP
E. 29TH ROAD
IMPROVEMENT ENDS
STA. 83+00

SECTION 11-23103-01-SP
E. 29TH ROAD
IMPROVEMENT BEGINS
STA. 15+00



LOCATION OF SECTION INDICATED THUS:

TRAFFIC DATA
2012 ADT = 1300

DESIGN DESIGNATION
RURAL COLLECTOR
DESIGN POLICY: 3R GUIDELINES
DESIGN SPEED: 55 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Feb. 24 20 14

Lawrence J. Kinzer COUNTY ENGINEER

PASSED 3/4 20 14

David R. O'Connell DISTRICT 3 LOCAL ROADS AND STREETS ENGINEER

RELEASING FOR BID BASED ON LIMITED REVIEW 3/4 20 14

Paul A. Loitzel DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER



EXPIRES 11/30/15

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GROSS LENGTH = NET LENGTH = 6,800 FT. = 1.287 MI.

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	2 of 46

CONTRACT NO. 87519

GENERAL NOTES

THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

THE BITUMINOUS SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE BITUMINOUS SURFACE.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED BELOW OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

PAVEMENT STRUCTURAL DESIGN

STRUCTURAL DESIGN TRAFFIC (2022)
 PV=1662 SU=34 MU=17
 CLASS III ROAD TRAFFIC FACTOR=0.106
 REQUIRED STRUCTURAL NUMBER=2.82

EXISTING STRUCTURAL NUMBERS
 N. 4425TH TO N. 4450TH=1.48 (LOCATION #1)
 N. 4450TH TO N. 4550TH=1.16 (LOCATION #2)

REQUIRED OVERLAY THICKNESS

	LOCATION #1	LOCATION #2
HMA LB MM	3/4"	3/4"
HMA BC	1 3/4"	2"
HMA SC	1 1/2"	1 1/2"
HMA BC WID	N/A	6"

MIXTURE REQUIREMENTS

SECTION 11-23103-01-SP				
MIXTURE USE	HMA BASE CSE. WIDENING, 6"	HMA BINDER CSE.	LEVELING BINDER (MM)	HMA SURFACE CSE.
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4% @ N50	4% @ N50	4% @ N50	4% @ N50
MIXTURE COMPOSITION:	IL-19.0	IL-19.0	IL-9.5	IL-9.5
FRICTION AGGREGATE:			MIXTURE C	MIXTURE C
DENSITY REQUIREMENTS	SEE SPECIAL PROVISIONS	SEE SPECIAL PROVISIONS	SEE SPECIAL PROVISIONS	SEE SPECIAL PROVISIONS

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.	
GRANULAR MATERIALS	2.05 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.02 TO 0.10 GAL/SQ YD
HOT MIX ASPHALT BINDER AND SURFACE COURSE	112 LBS/SQ YD/INCH
SHORT-TERM PAVEMENT MARKING	4 FT/40 FT EACH APPLICATION

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 602011-02 CATCH BASIN TYPE C
- 604036-02 GRATE TYPE 8
- 666001-01 RIGHT OF WAY MARKERS
- 667101-02 PERMANENT SURVEY MARKERS
- 701006-05 OFF ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM EDGE OF PAVEMENT
- 701011-04 OFF ROAD MOVING OPERATIONS, 2L, 2W DAY ONLY
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701326-04 LANE CLOSURE, 2L, 2W PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
- 701901-03 TRAFFIC CONTROL DEVICES
- B.L.R. 24-2 MAILBOX TURNOUT FOR LOCAL ROADS

GENERAL NOTES AND LEGEND

LEGEND

EXISTING CABLE T.V.	
EXISTING CENTERLINE	
EXISTING MAJOR CONTOUR	
EXISTING MINOR CONTOUR	
EXISTING EASEMENT	
EXISTING ELECTRIC	
EXISTING FENCE	
EXISTING FIBER OPTIC	
EXISTING GAS	
EXISTING TELEPHONE	
EXISTING GUARDRAIL	
EXISTING RAILROAD	
EXISTING STORM SEWER	
EXISTING MAILBOX	
EXISTING SIGN	
EXISTING R.O.W. MARKER	
EXISTING PK NAIL	
EXISTING POWER POLE	
EXISTING GUY WIRE	
EXISTING POWER POLE W/ LIGHT	
EXISTING POWER POLE W/ TRANSFORMER	
EXISTING TELEPHONE POLE	
EXISTING TELEPHONE RISER	
EXISTING TELEPHONE MARKER	
EXISTING CABLE T.V. RISER	
EXISTING ELECTRICAL BOX	
EXISTING DECIDUOUS TREE	
EXISTING EVERGREEN TREE	
EXISTING BUSH	
EXISTING TREE TO BE REMOVED	
EXISTING MANHOLE	
EXISTING INLET	
EXISTING CATCH BASIN	
EXISTING FLARED END SECTION	
EXISTING GAS METER	
EXISTING VALVE	
PROPOSED CULVERT	
HMA BASE COURSE WIDENING	

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	3 of 46

CONTRACT NO. 87519

SUMMARY OF QUANTITIES CONSTRUCTION TYPE CODE 0004			
ITEM #	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIA.)	UNIT	15
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	121
20200100	EARTH EXCAVATION	CU YD	3711
* 20200500	EARTH EXCAVATION (WIDENING)	CU YD	186
* 20400800	FURNISHED EXCAVATION	CU YD	904
21400100	GRADING AND SHAPING DITCHES	FOOT	175
25000200	SEEDING CLASS 2	ACRE	5.23
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	471
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	471
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	471
* 25100115	MULCH, METHOD 2	ACRE	5.23
28000305	TEMPORARY DITCH CHECKS	FOOT	690
28000400	PERIMETER EROSION BARRIER	FOOT	905
28000500	INLET AND PIPE PROTECTION	EACH	17
35101400	AGGREGATE BASE COURSE, TYPE B	TON	63
35600700	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"	SQ YD	1915
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3427
* 40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	800
40600982	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	SQ YD	647
* 40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1810
* 40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1396
* 40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	201
48101200	AGGREGATE SHOULDERS, TYPE B	TON	787
50105220	PIPE CULVERT REMOVAL	FOOT	304
* 54200220	PIPE CULVERT, CLASS D, TYPE 1 15"	FOOT	336
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1
60500050	REMOVING CATCH BASINS	EACH	1
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	19
66700205	PERMANENT SURVEY MARKERS, TYPE 1	EACH	3
67100100	MOBILIZATION	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	40
* 70300100	SHORT TERM PAVEMENT MARKING	FOOT	1360
† 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	20402
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1

* - SEE SPECIAL PROVISIONS

† - SPECIALTY ITEM

SUMMARY OF QUANTITIES

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	4 of 46

CONTRACT NO. 87519

PAVEMENT SCHEDULE

STA TO STA	SURFACE WIDTH	LENGTH	AREA	BIT. MAT. (PR. CT.) SS-1H	LEVELING BINDER (MM) N50	HMA BINDER COURSE, IL 19.0, N50	HMA SURFACE COURSE, MIX "C", N50	INCIDENTAL HMA SURFACING	AGGREGATE SHOULDERS, TY. B	AGGREGATE BASE COURSE, TY. B	SHORT-TERM PAV'T MARKING
	FEET	FEET	SQ. YD.	0.1 GAL/SY	3/4" + 20# C.C.	1 3/4" & 2"	1 1/2"	3/4" to 3/2"	2.05 TON/CU YD	2.05 TON/CU YD	FOOT
				GAL	TON	TON	TON	TON	TON	TON	
15+00 TO 83+00	22	6,800	16,622	3,324	800	1,810	1,396	-	767	-	1,360
PRIVATE ENTRANCES			262	26.2	-	-	-	51	-	42	
FIELD ENTRANCES			27	2.7	-	-	-	5	20*	21	
INTERSECTIONS			702	70.2	-	-	-	138	-	-	
MAILBOX TURNOUTS			41	4.1	-	-	-	7	-	-	
TOTALS			17,654	3,427	800	1,810	1,396	201	787	63	1,360

* AGGREGATE SHOULDERS, TY B ARE ESTIMATED AT 5 TON PER FIELD ENTRANCE

STATION	SIDE	SQ YD
17+62	LT	61.8
19+00	LT	43.0
21+12	LT	45.7
21+48	RT	37.0
24+43	RT	43.5
28+59	RT	48.9
TOTAL		279.9

STATION	SIDE	LOCATION	SQ YD
16+10	RT	N. 4425TH	97.5
29+31	RT	N. 4450TH	114.1
55+74	LT	N. 45TH	116.1
55+74	RT	N. 45TH	127.0
82+23	LT	N. 4550TH	113.3
82+23	RT	N. 4550TH	133.7
TOTAL			701.7

LOCATION		HOT MIX ASPHALT BASE COURSE WIDENING, 6"
STATION	SIDE	SQ YD
30+00 TO 82+14	LT	1040.8
30+00 TO 82+14	RT	873.8
TOTAL		1914.6

STATION	SIDE	SQ YD
22+90	LT	6.6
29+42	RT	9.3
45+83	RT	11.0
69+20	RT	11.0
TOTAL		37.9

STATION	SIDE	SQ YD
15+00	CL	130.0
29+31	LT	130.6
55+74	RT	132.2
82+23	RT	131.1
83+00	CL	123.3
TOTAL		647.2

LOCATION			EARTH EXCAVATION	** EARTH EXCAVATION TO BE USED IN EMBANKMENT	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
STATION	TO	STATION	CU. YD.			
15+00	TO	83+00	3711	2728	3632	-904
TOTALS			3711	2728	3632	-904

** - ADJUSTED FOR SHRINKAGE
SHRINKAGE FACTOR: 30%

EARTH EXCAVATION TO BE USED IN EMBANKMENT INCLUDES EARTH EXCAVATION WIDENING

STATION	SIDE	SQ YD
19+20	LT	13.6
21+36	LT	13.6
24+60	RT	13.6
TOTAL		40.8

SCHEDULES

TEMPORARY DITCH CHECK			
LOCATION			LENGTH
STATION	SIDE		FOOT
20+00		RT	10
25+00	LT		10
25+50		RT	10
26+00	LT		10
26+50		RT	10
27+00	LT		10
27+50		RT	10
28+00	LT		10
30+00	LT	RT	10
30+50		RT	10
31+00	LT		10
31+50		RT	10
32+00	LT		10
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35+00	LT		10
35+50		RT	10
36+50		RT	10
39+00	LT	RT	20
40+00	LT	RT	20
41+00	LT	RT	20
42+00	LT	RT	20
45+00	LT	RT	20
46+00	LT		10
47+00	LT	RT	20
48+00	LT	RT	20
49+00	LT	RT	20
51+50	LT	RT	20
53+00	LT	RT	20
54+50	LT	RT	20
57+50	LT	RT	20
58+75	LT	RT	20
60+00	LT	RT	20
64+00	LT	RT	20
68+00	LT	RT	20
70+00	LT	RT	20
72+00	LT	RT	20
74+00	LT	RT	20
75+50	LT	RT	20
77+00	LT	RT	20
79+00	LT	RT	20
81+00	LT	RT	20
83+00	LT	RT	20
TOTALS			690

INLET AND PIPE PROTECTION		
STATION	SIDE	EACH
17+43	LT	1
18+49	RT	1
18+54	LT	1
21+31	LT	1
21+68	RT	1
23+06	LT	1
24+59	RT	1
28+77	RT	1
33+50	LT	1
42+63	RT	1
42+68	RT	1
46+03	RT	1
62+41	RT	1
62+62	LT	1
65+83	LT	1
65+87	LT	1
69+10	RT	1
TOTAL		17

PERIMETER EROSION BARRIER		
STATION	SIDE	LENGTH
16+45 TO 19+00	RT	255
21+15 TO 22+75	LT	160
32+50 TO 34+05	LT	155
41+50 TO 43+50	RT	200
65+15 TO 66+50	RT	135
TOTAL		905

*PERIMETER EROSION BARRIER IS SILT FENCE.

TREE REMOVAL				
STATION	SIDE	OFFSET	6 TO 15 UNITS DIA.	OVER 15 UNITS DIA.
27+38	LT	27'	15	
27+64	LT	27'		21
27+96	LT	27'		20
28+11	LT	27'		20
28+38	LT	27'		24
29+06	LT	29'		36
TOTAL			15	121

FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS			
STATION	SIDE	OFFSET	EACH
24+35.94	LT	32.75'	1
25+96.79	RT	26.76'	1
25+96.79	RT	32.76'	1
28+98.85	LT	34.05'	1
29+28.01	RT	31.77'	1
29+59.00	LT	34.12'	1
42+47.79	RT	33.14'	1
42+47.85	LT	32.86'	1
55+47.08	RT	31.87'	1
55+48.17	LT	34.13'	1
56+07.01	RT	31.72'	1
56+08.27	LT	34.29'	1
62+23.59	RT	31.20'	1
62+38.23	RT	49.18'	1
62+72.60	RT	31.17'	1
69+00.12	RT	30.73'	1
69+01.30	LT	35.27'	1
82+23.02	RT	33.81'	1
82+24.47	LT	27.76'	1
TOTAL			19

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	5 of 46

CONTRACT NO. 87519

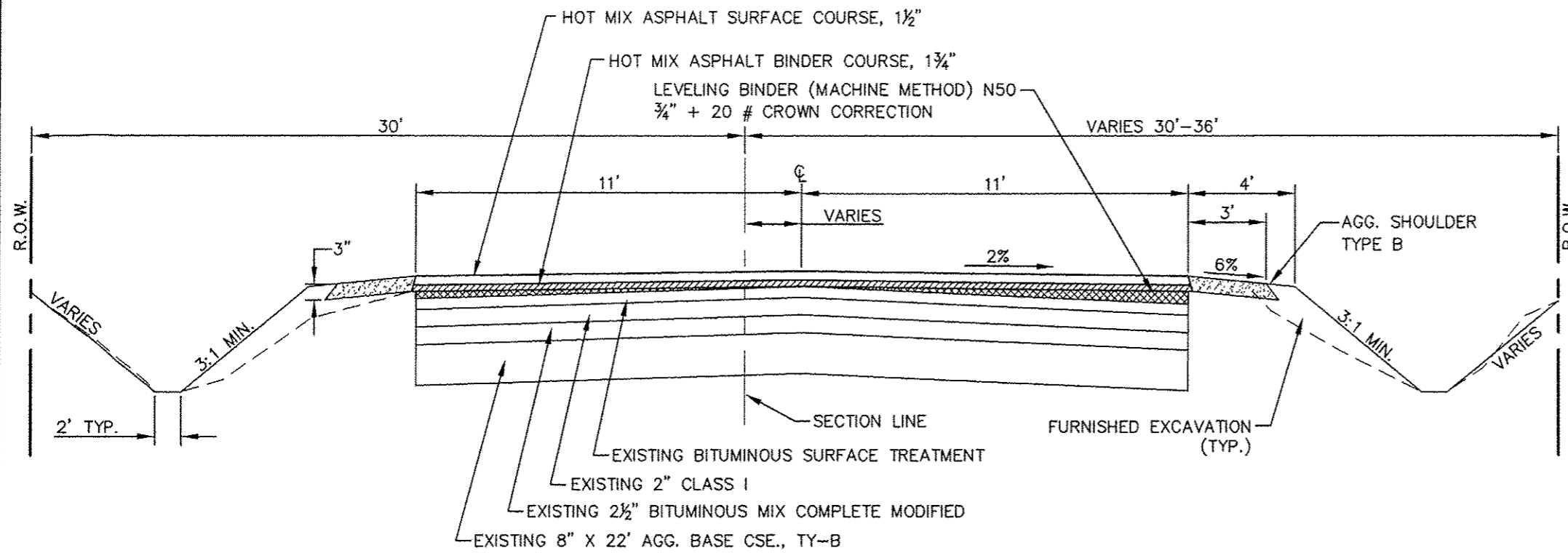
PIPE CULVERTS			
STATION	SIDE	PIPE CULVERTS, CLASS D, TYPE 1 15"	AGGREGATE BASE COURSE, TYPE B
		FOOT	TON
17+62	21' LT.	36	7
19+00	23' LT.	36	7
21+12	24' LT.	36	7
21+48	23' RT.	36	7
22+90	24' LT.	40	7
24+43	24' RT.	36	7
28+59	23' RT.	36	7
45+83	24' RT.	40	7
69+20	24' RT.	40	7
TOTAL		336	63

PIPE CULVERT REMOVAL			
STATION	OFFSET	SIZE	LENGTH
17+61	21' LT	15"	32'
19+00	23' LT	15"	24'
21+13	24' LT	15"	39'
21+50	23' LT	15"	30'
22+88	24' LT	15"	30'
24+41	18' LT	12"	33'
28+59	19' LT	15"	28'
45+83	17' LT	12"	19'
68+92	18' LT	12"	20'
69+20	19' RT	15"	29'
81+90	20' LT	12"	20'
TOTAL			304'

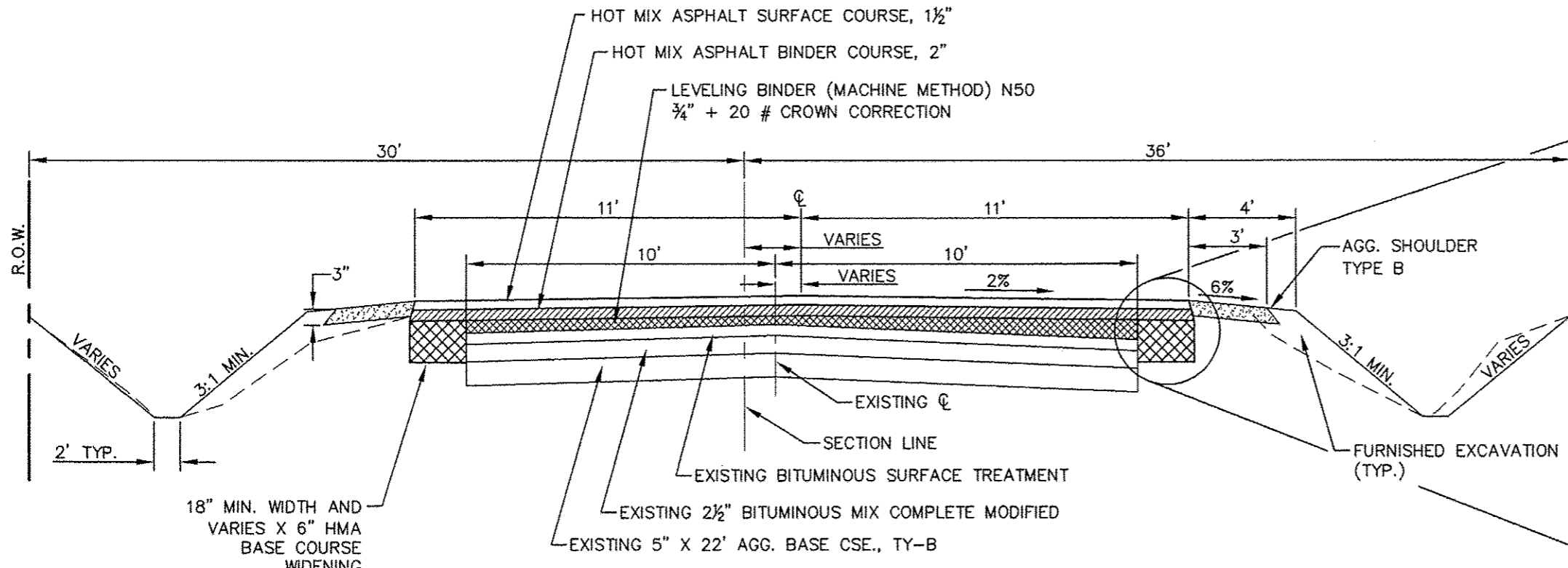
SCHEDULES

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	6 of 46

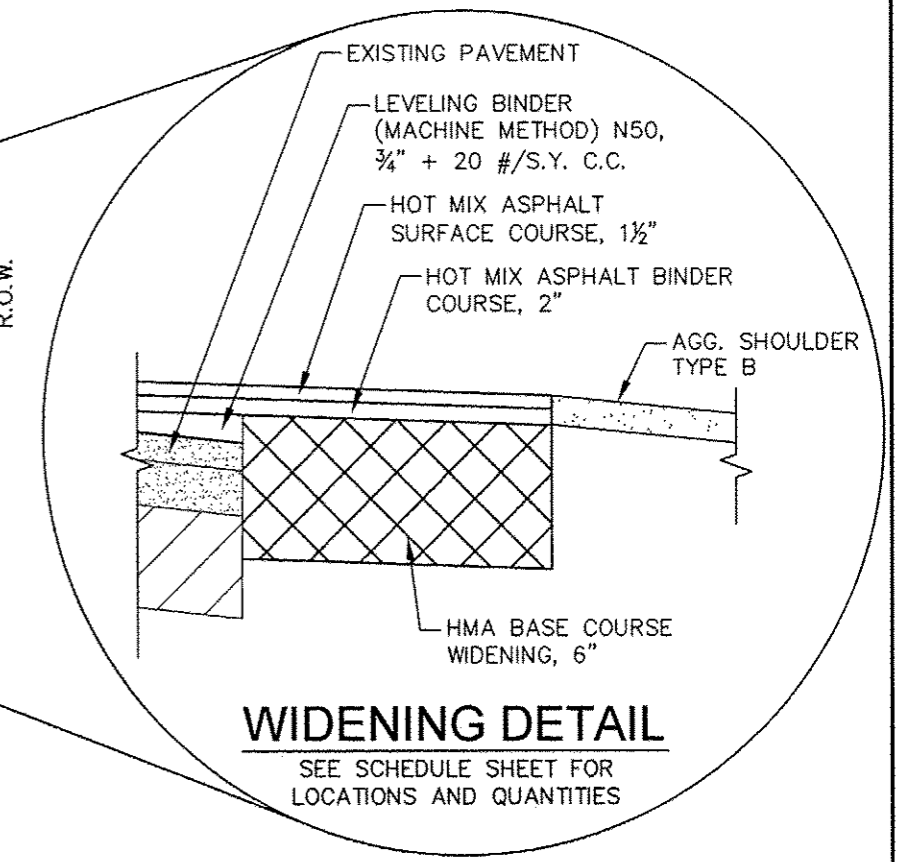
CONTRACT NO. 87519



TYPICAL SECTION #1
STA. 15+00 TO STA. 30+00

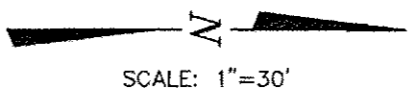


TYPICAL SECTION #2
STA. 30+00 TO STA. 83+00

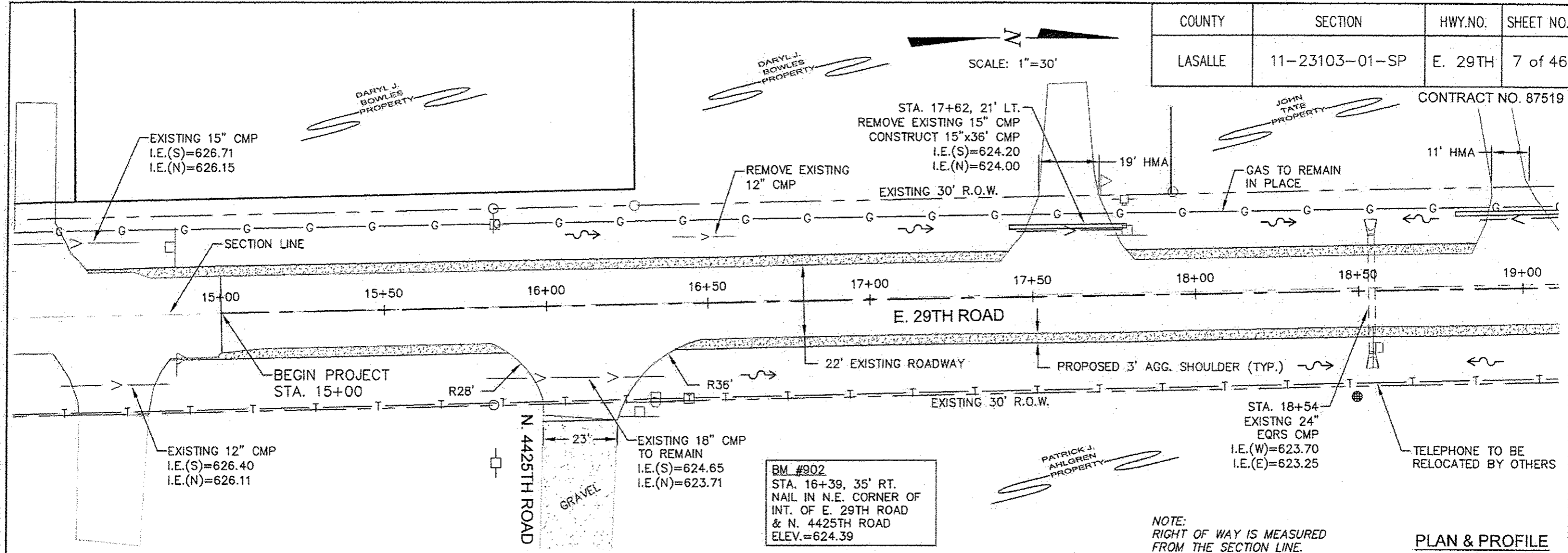


TYPICAL SECTIONS

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	7 of 46

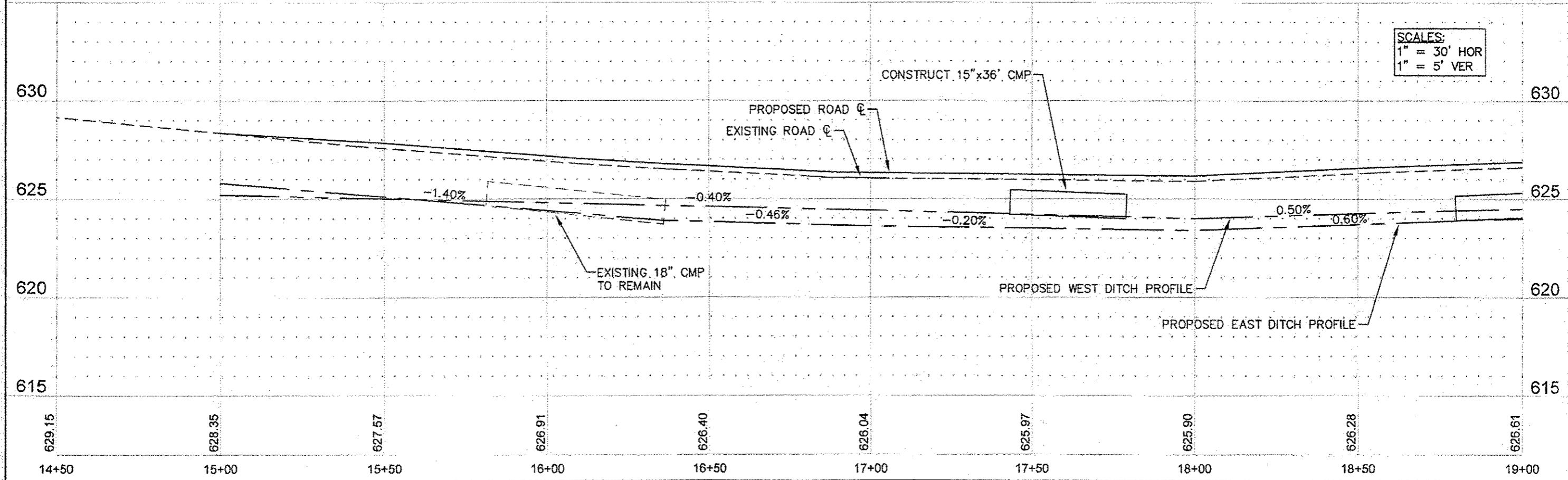


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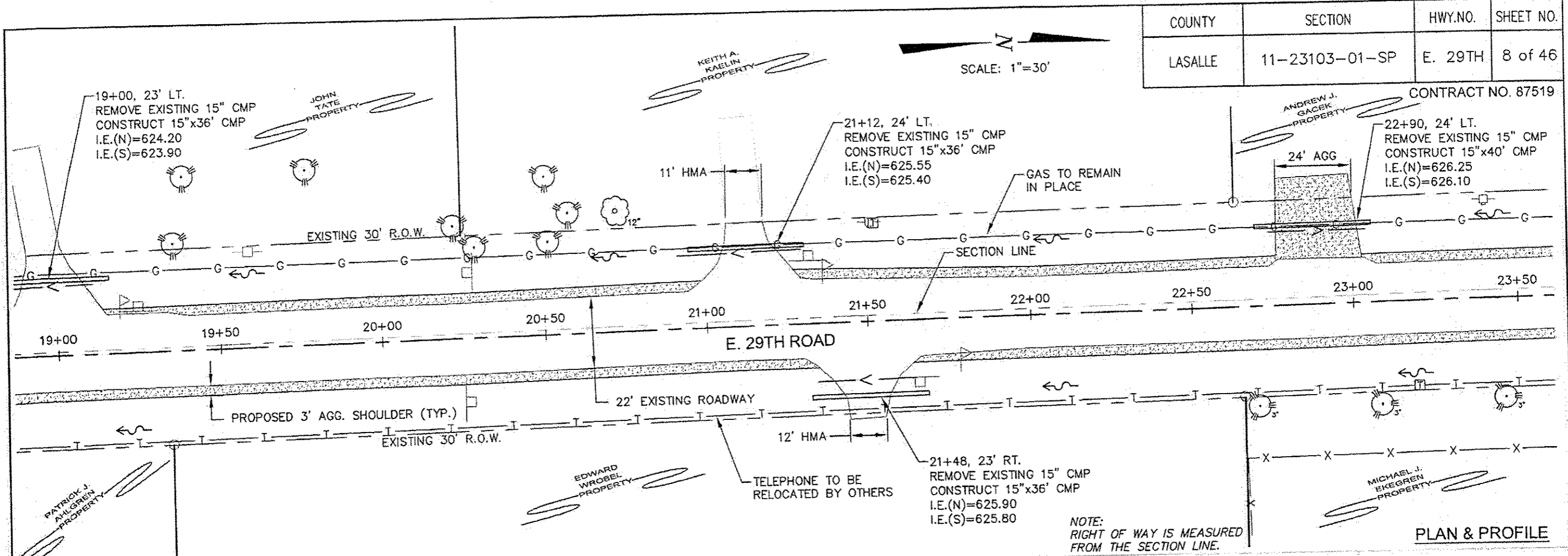
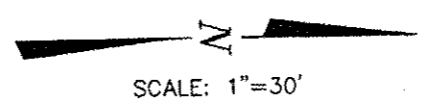
NOTE: RIGHT OF WAY IS MEASURED FROM THE SECTION LINE.

PLAN & PROFILE

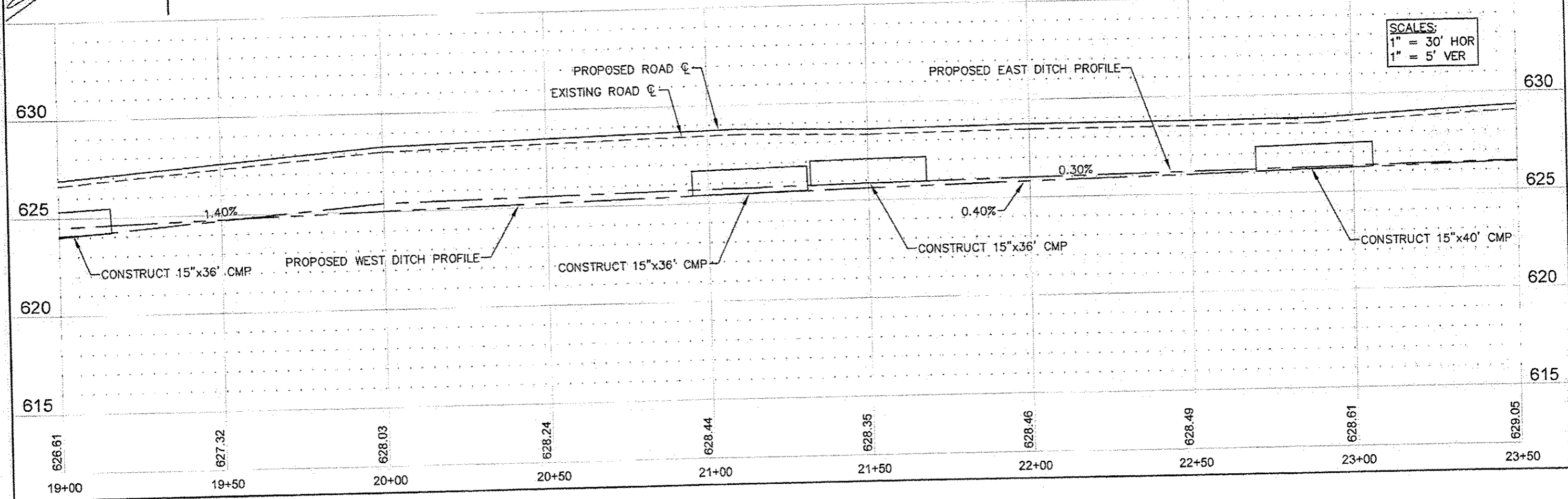


SCALES:
1" = 30' HOR
1" = 5' VER

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	8 of 46

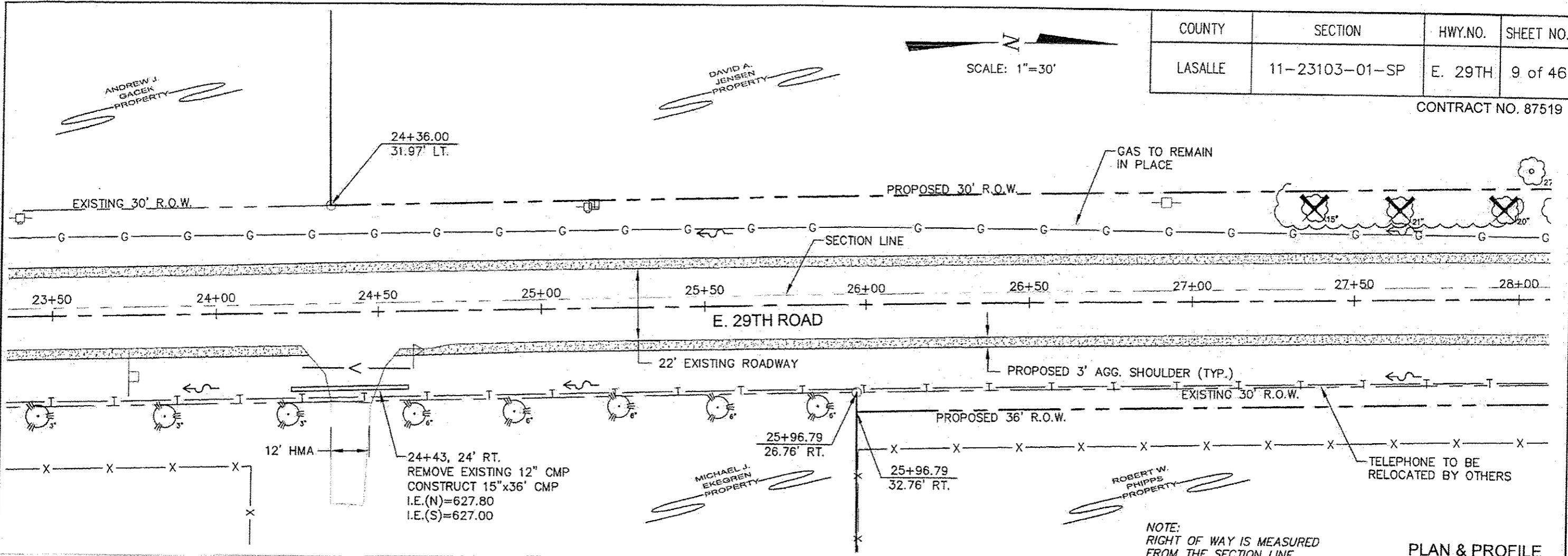
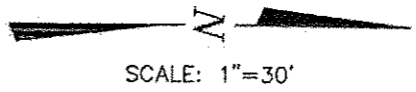


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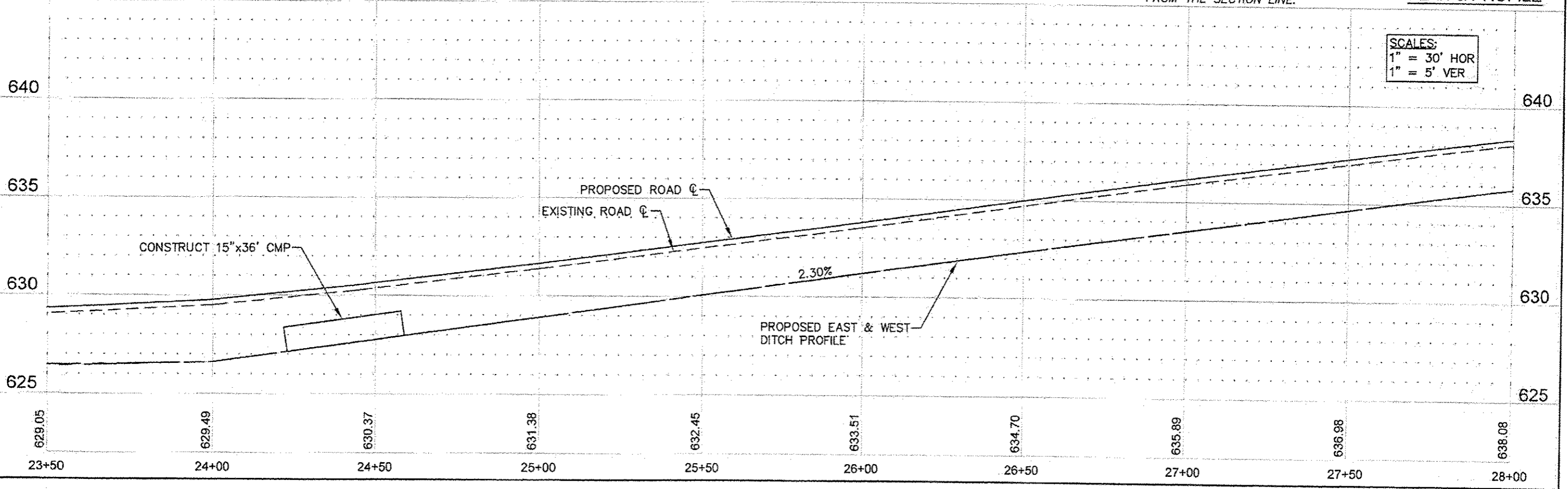
COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	9 of 46

CONTRACT NO. 87519



NOTE:
RIGHT OF WAY IS MEASURED
FROM THE SECTION LINE.

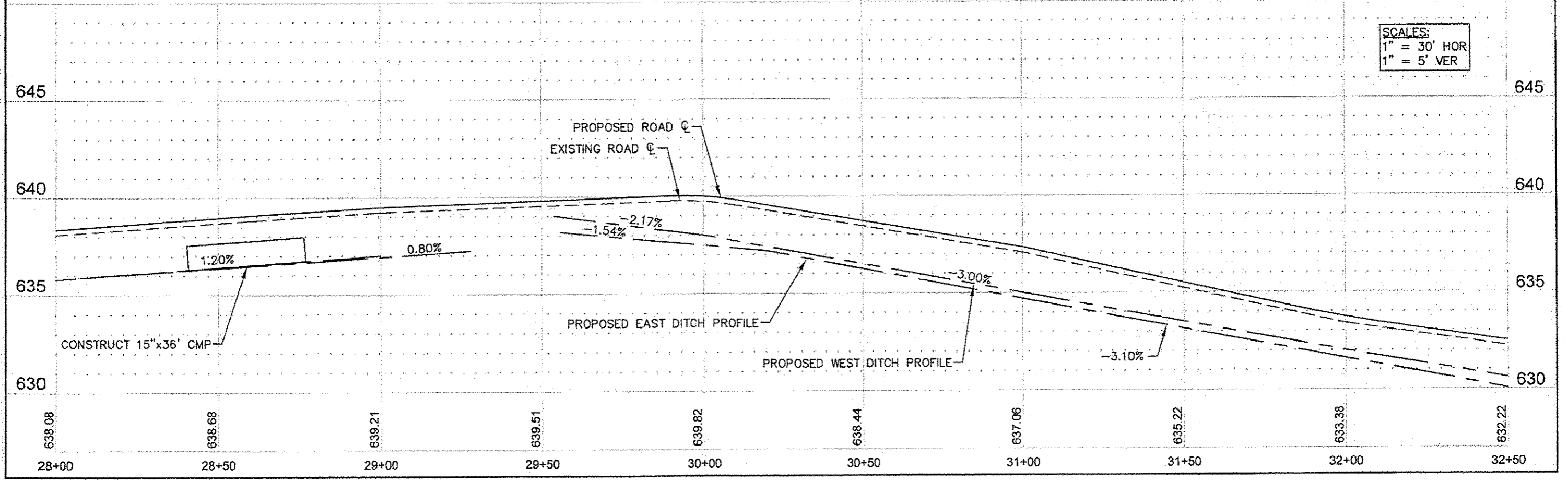
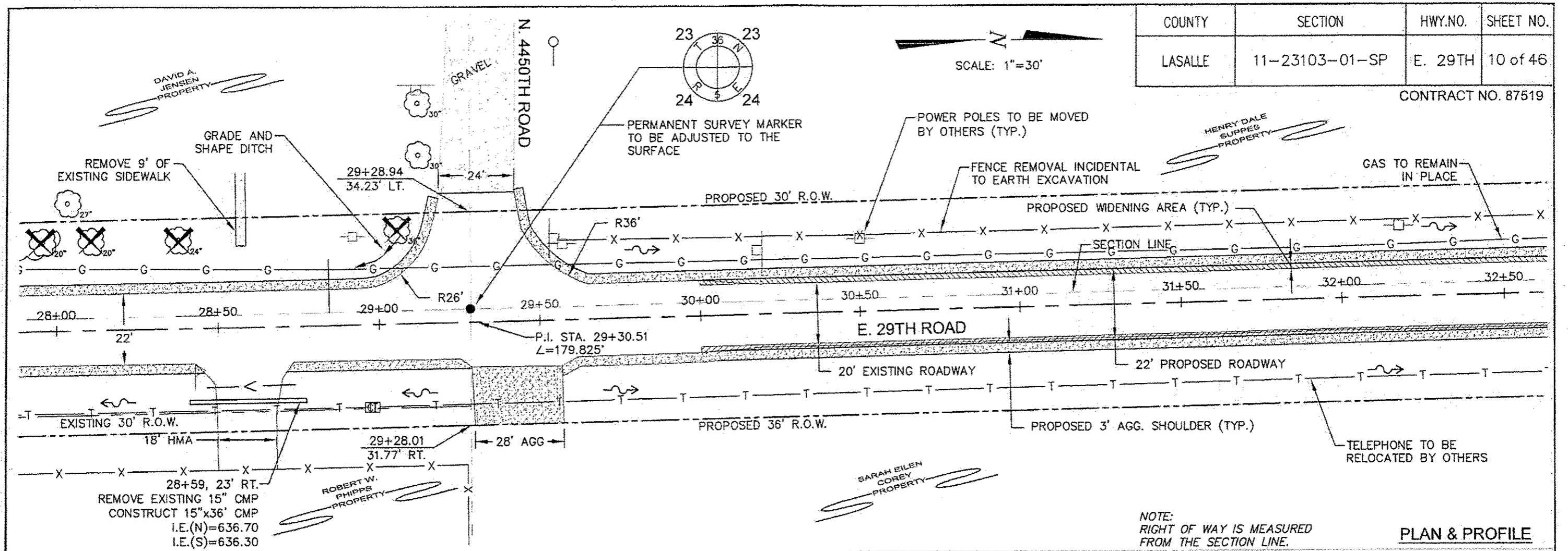
PLAN & PROFILE



SCALES:
1" = 30' HOR
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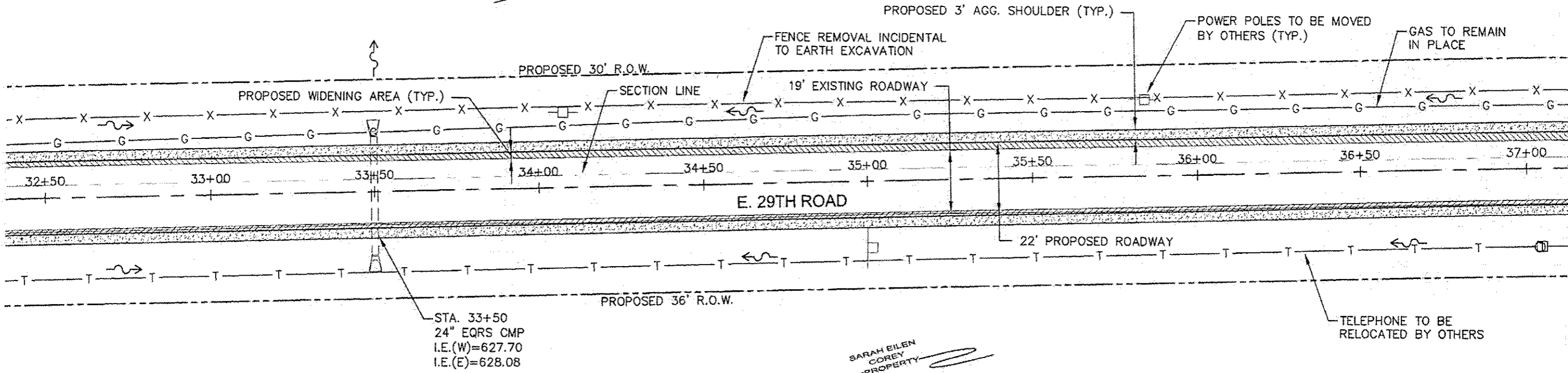
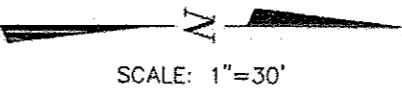
COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	10 of 46

CONTRACT NO. 87519



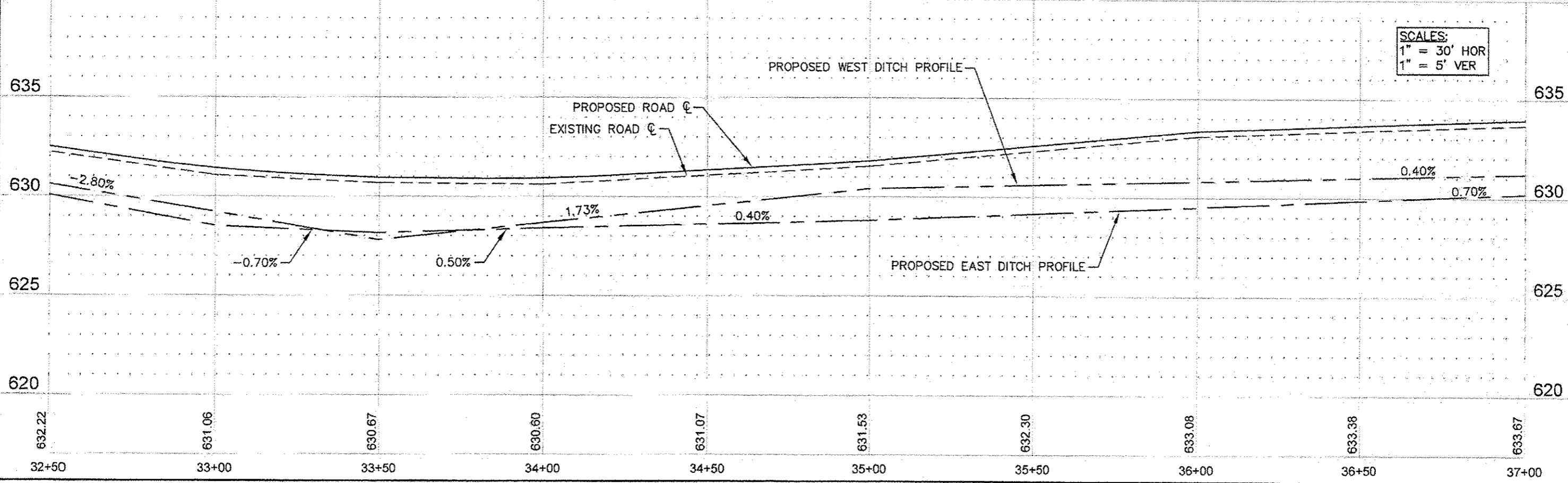
COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	11 of 46

CONTRACT NO. 87519



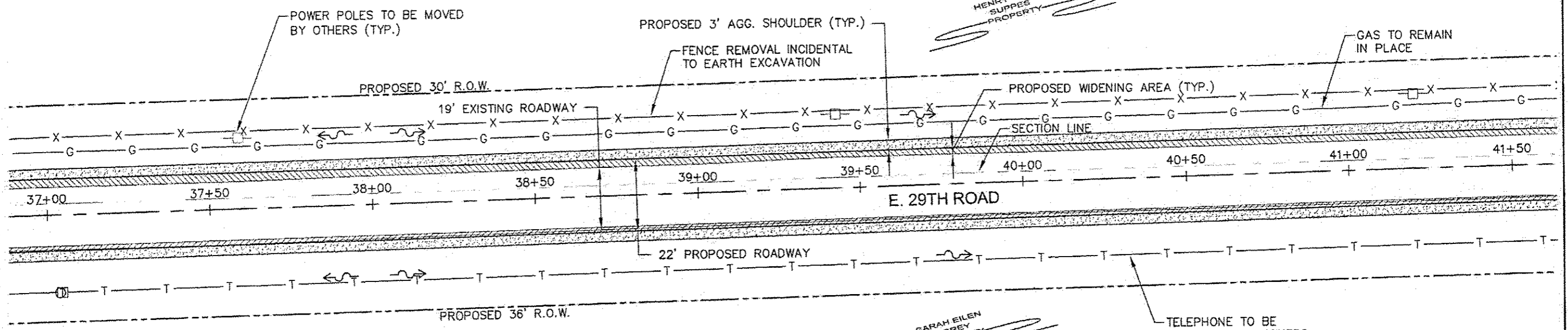
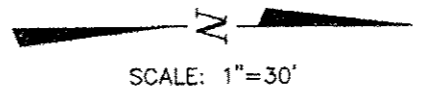
NOTE:
RIGHT OF WAY IS MEASURED FROM THE SECTION LINE.

PLAN & PROFILE



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	12 of 46

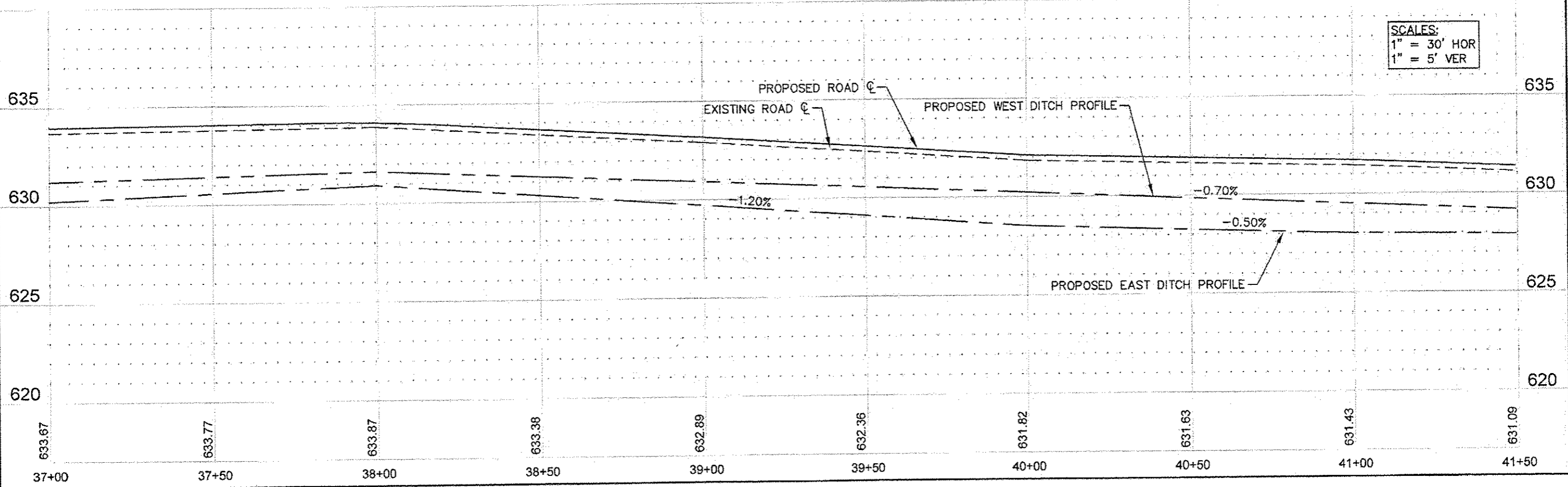
CONTRACT NO. 87519



NOTE:
RIGHT OF WAY IS MEASURED FROM THE SECTION LINE.

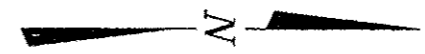
PLAN & PROFILE

SCALES:
1" = 30' HOR
1" = 5' VER



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	13 of 46

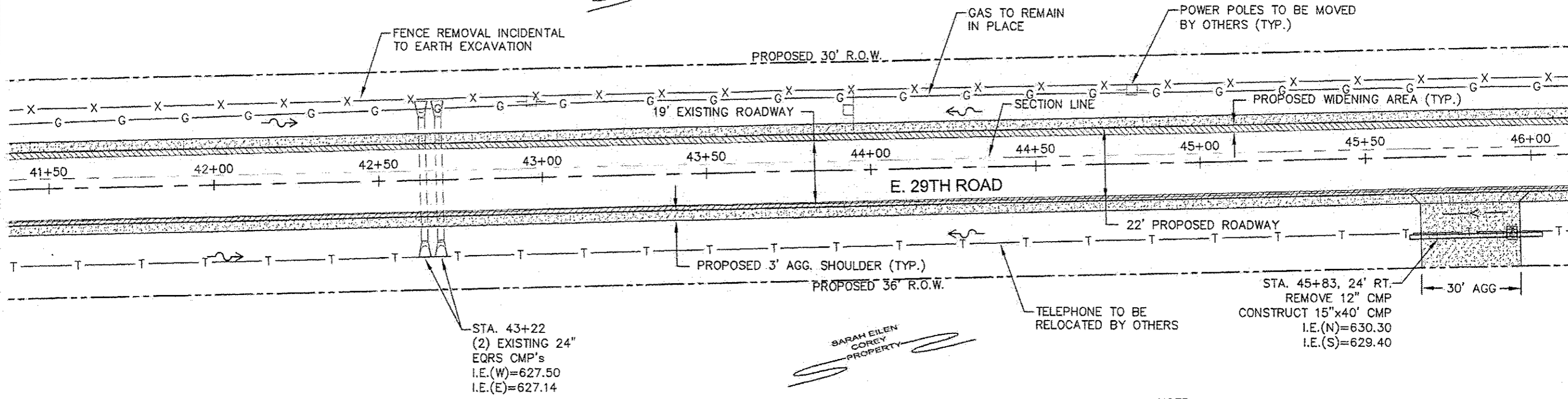
CONTRACT NO. 87519



SCALE: 1"=30'

HENRY DALE
BUPPES
PROPERTY

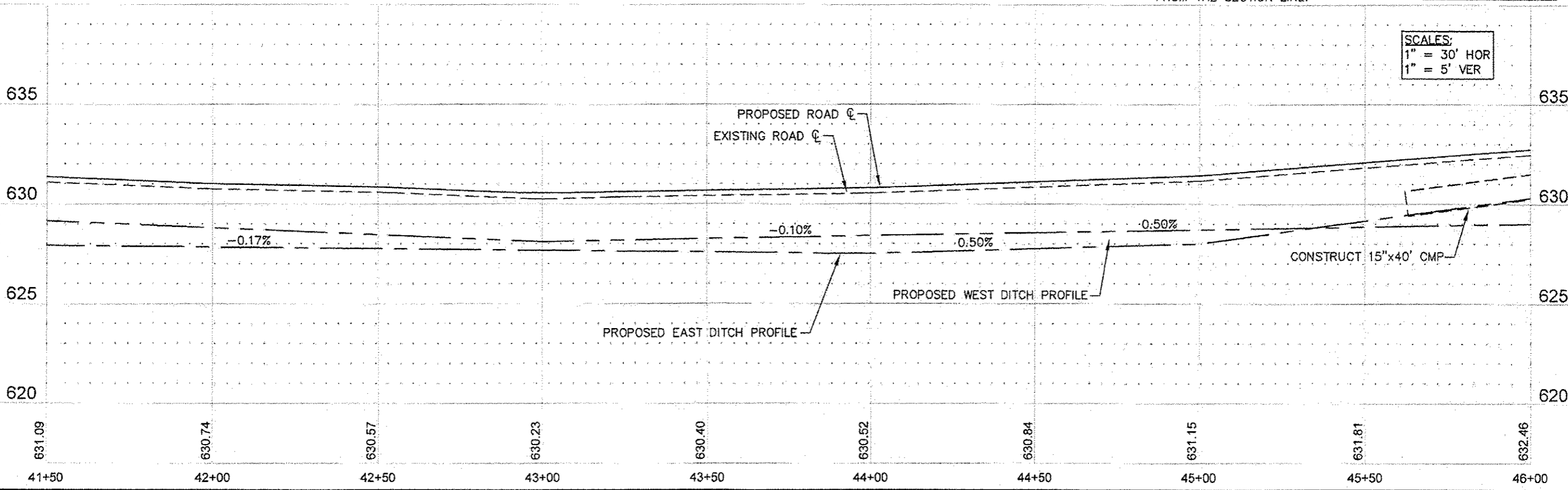
SARAH EILEN
COREY
PROPERTY



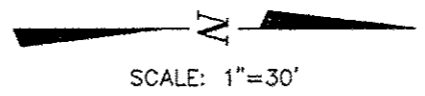
NOTE:
RIGHT OF WAY IS MEASURED
FROM THE SECTION LINE.

PLAN & PROFILE

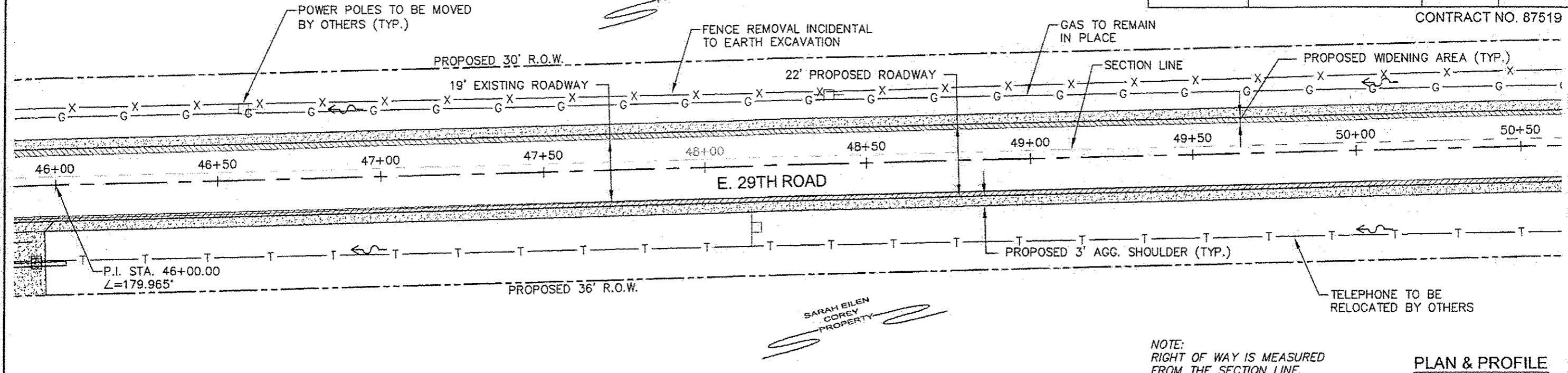
SCALES:
1" = 30' HOR
1" = 5' VER



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	14 of 46

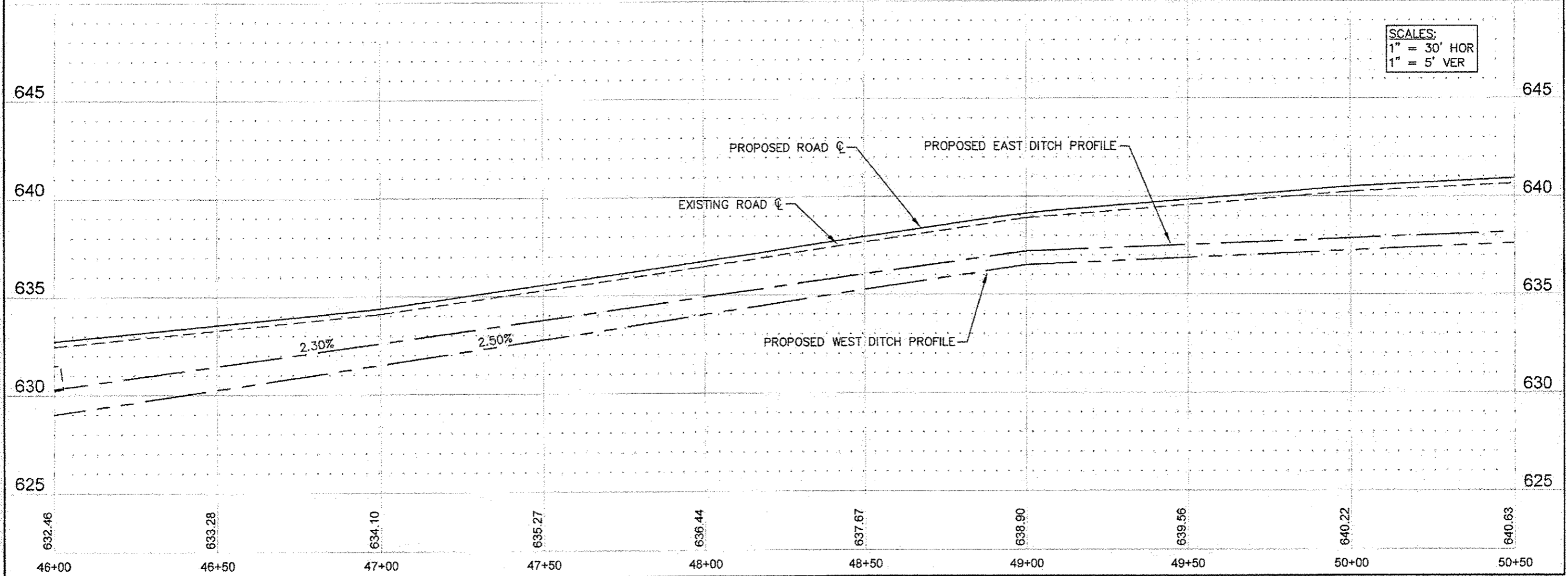


CONTRACT NO. 87519



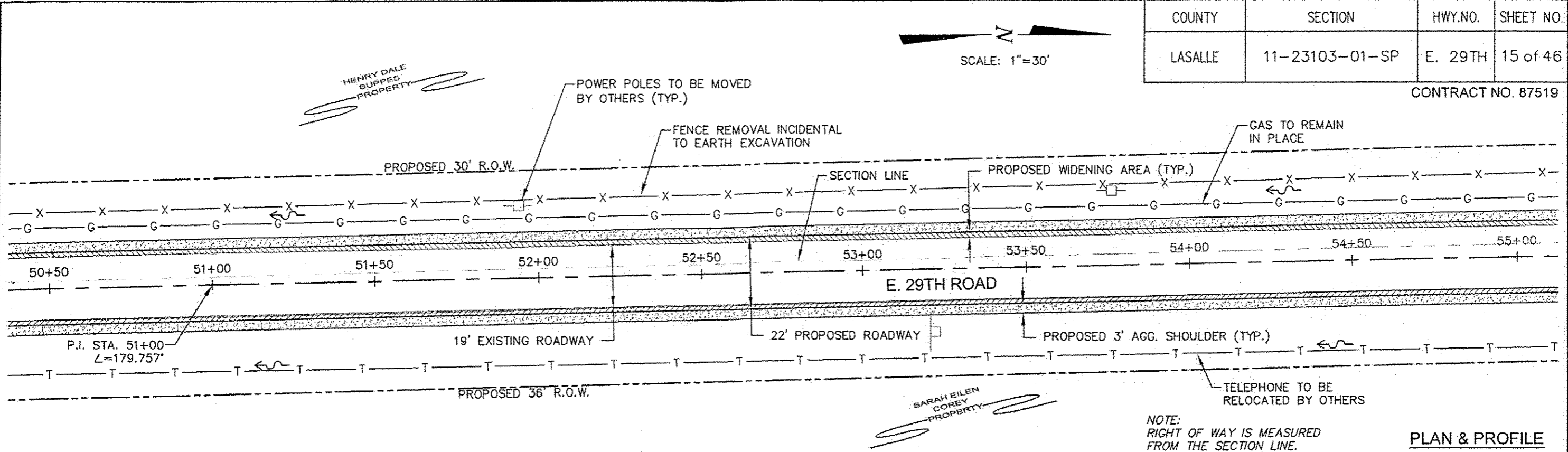
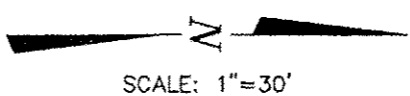
NOTE:
RIGHT OF WAY IS MEASURED FROM THE SECTION LINE.

PLAN & PROFILE



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	15 of 46

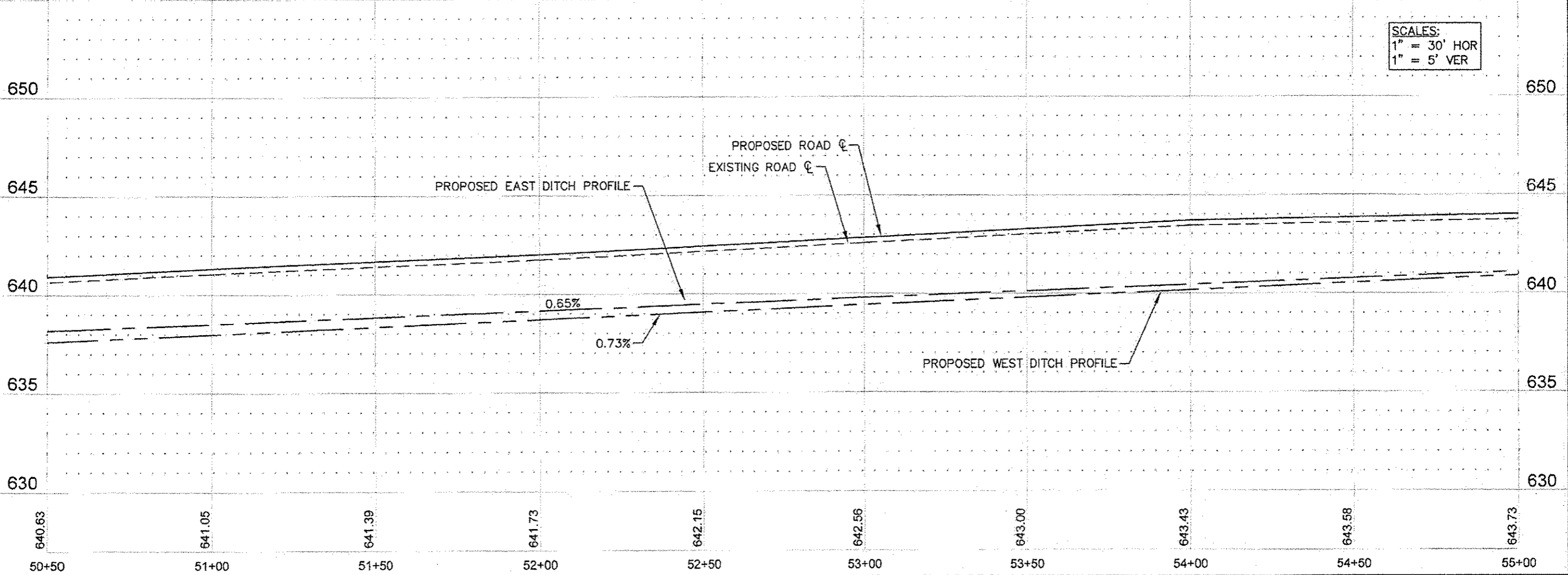
CONTRACT NO. 87519



NOTE:
RIGHT OF WAY IS MEASURED FROM THE SECTION LINE.

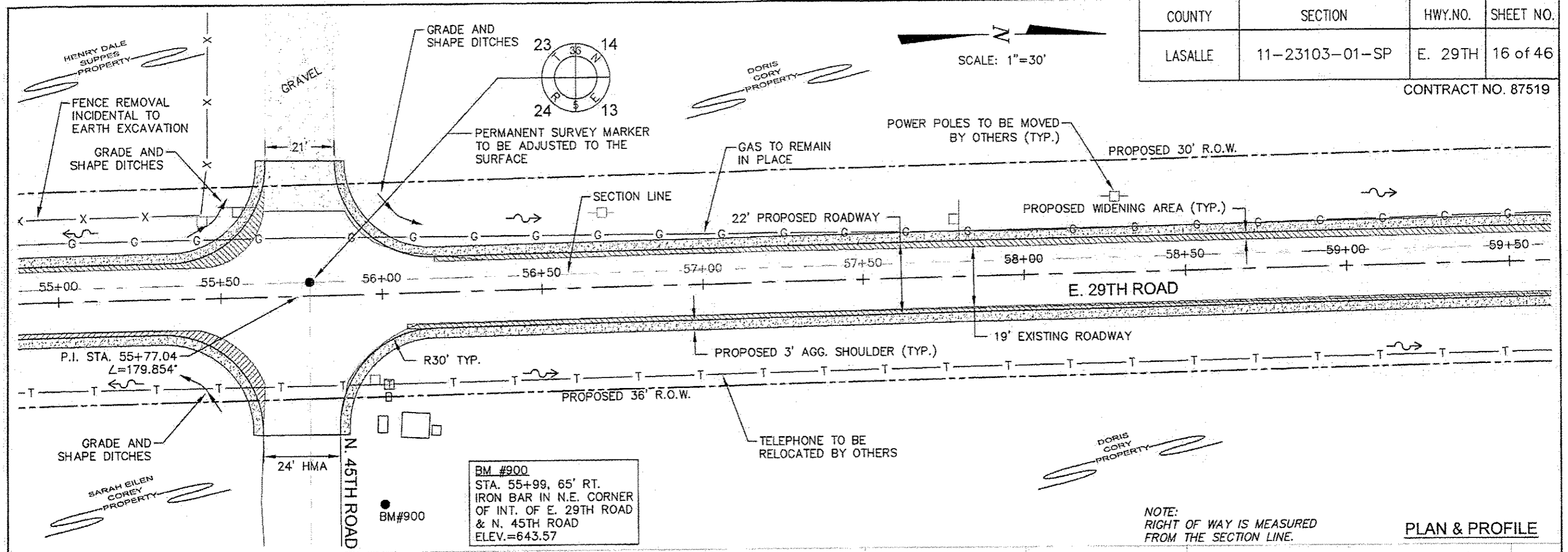
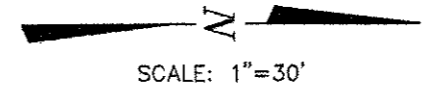
PLAN & PROFILE

SCALES:
1" = 30' HOR
1" = 5' VER



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	16 of 46

CONTRACT NO. 87519

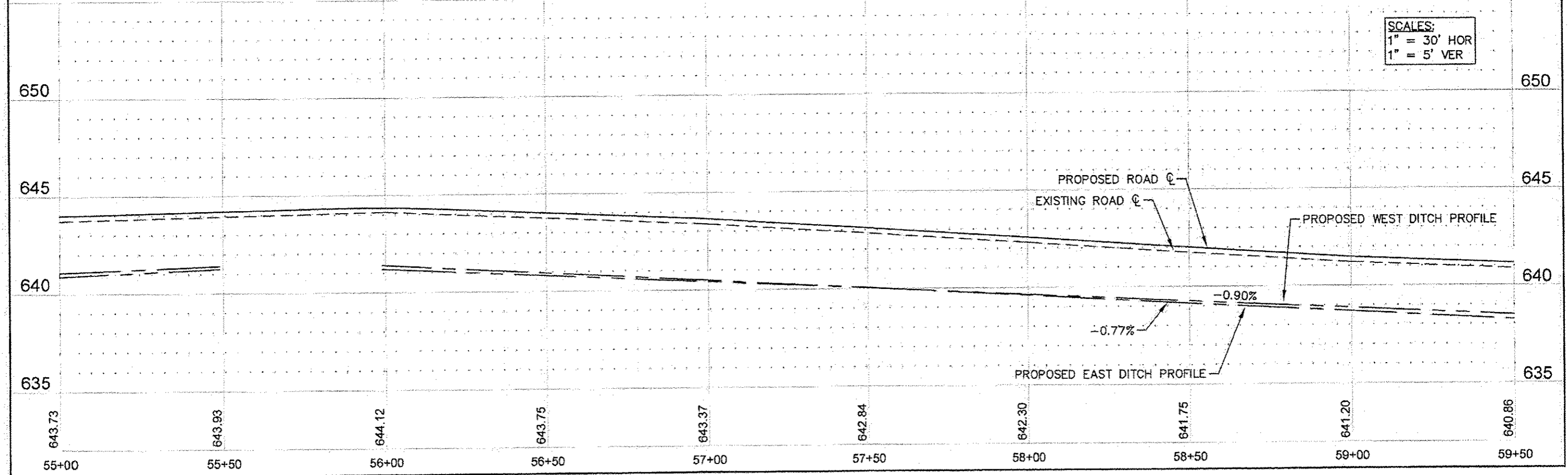


BM #900
 STA. 55+99, 65' RT.
 IRON BAR IN N.E. CORNER
 OF INT. OF E. 29TH ROAD
 & N. 45TH ROAD
 ELEV.=643.57

NOTE:
 RIGHT OF WAY IS MEASURED
 FROM THE SECTION LINE.

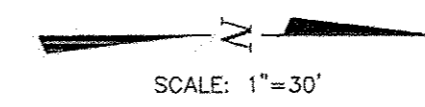
PLAN & PROFILE

SCALES:
 1" = 30' HOR
 1" = 5' VER

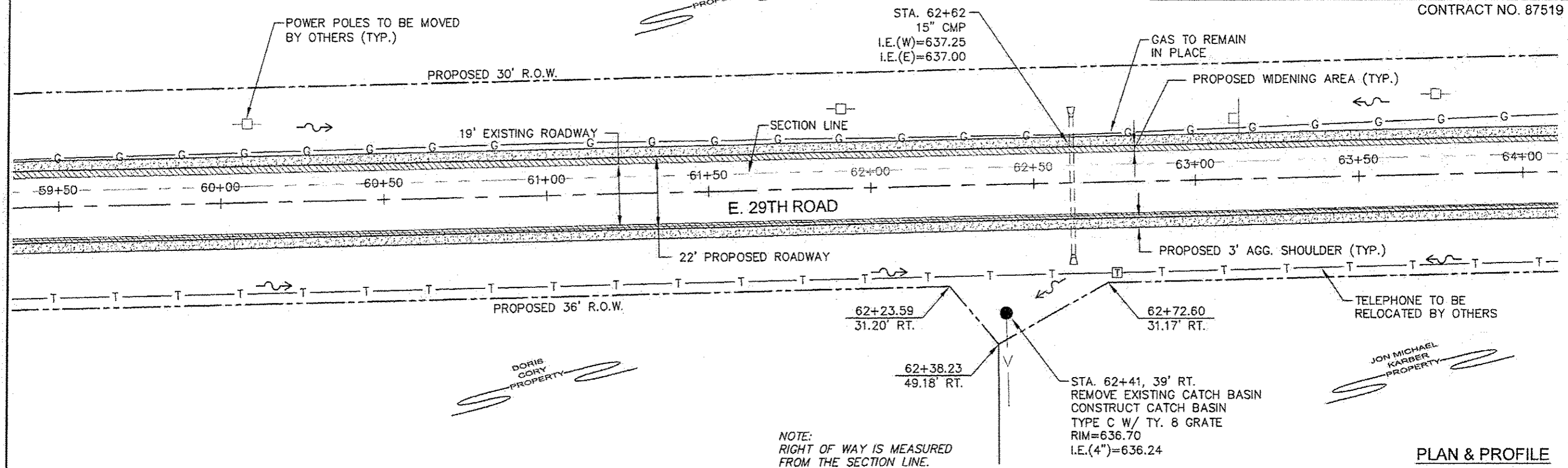


COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	17 of 46

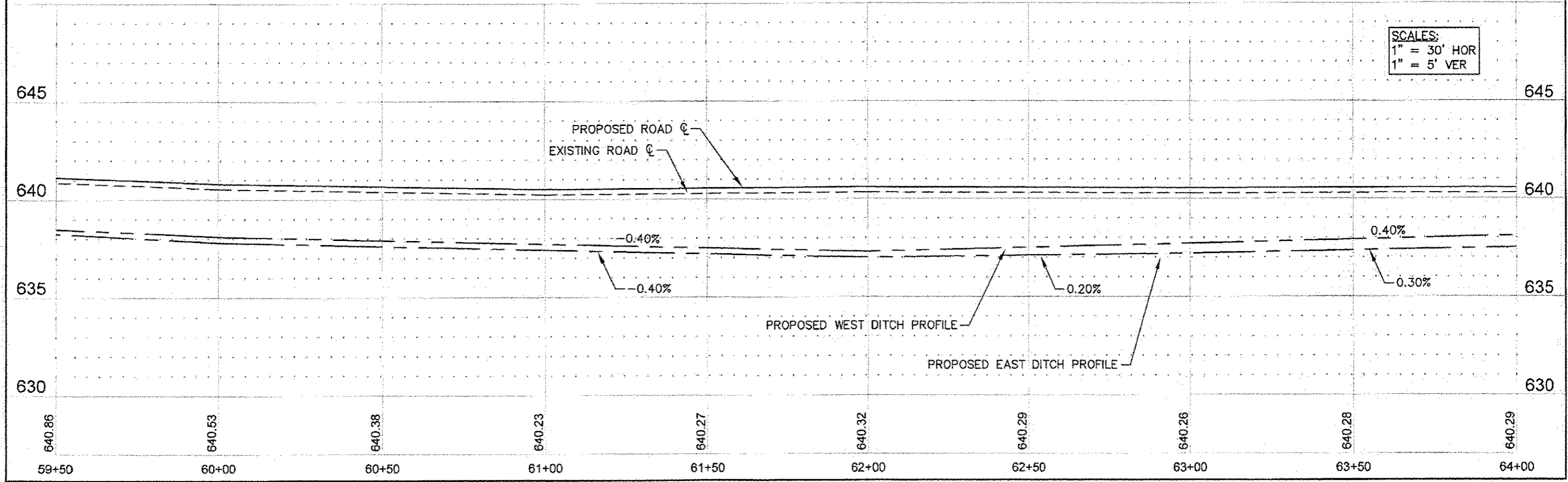
CONTRACT NO. 87519



DORIS CORY PROPERTY

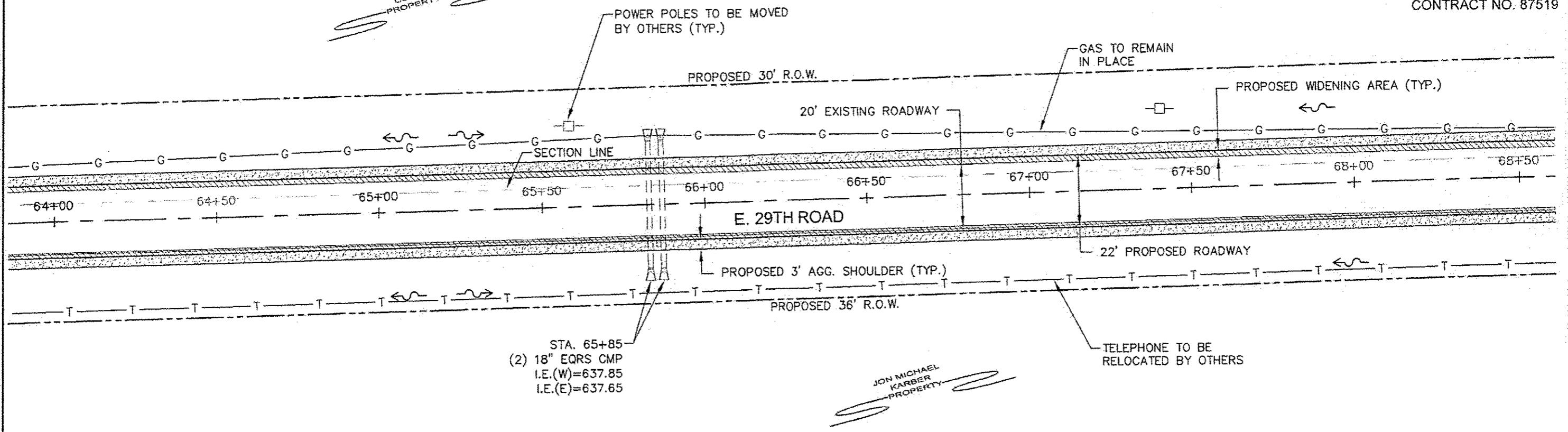
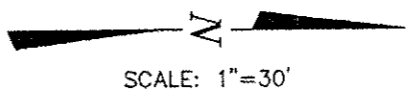


PLAN & PROFILE

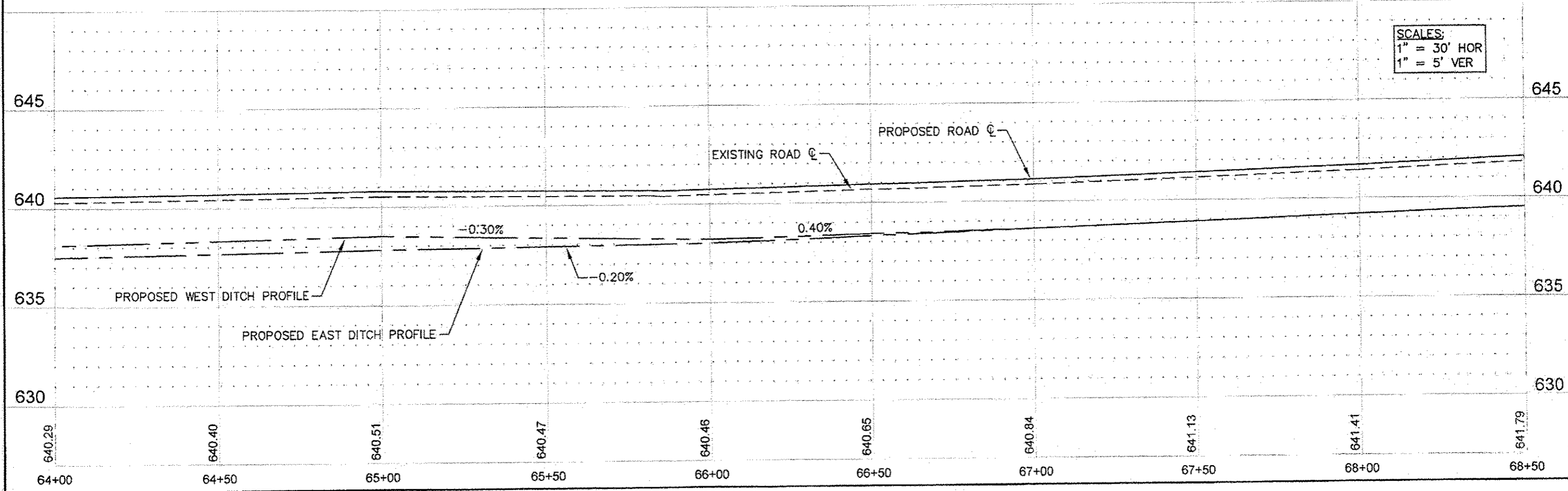


COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	18 of 46

CONTRACT NO. 87519

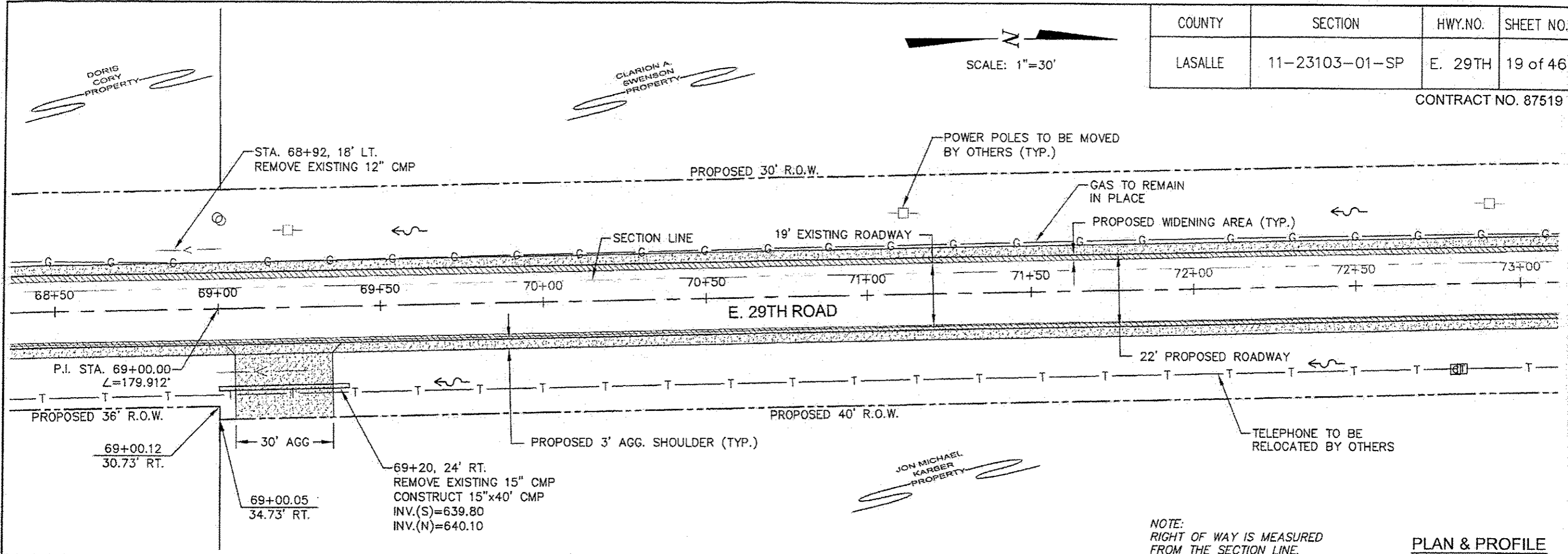
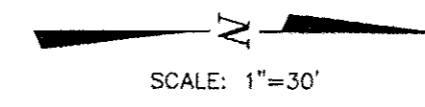


PLAN & PROFILE



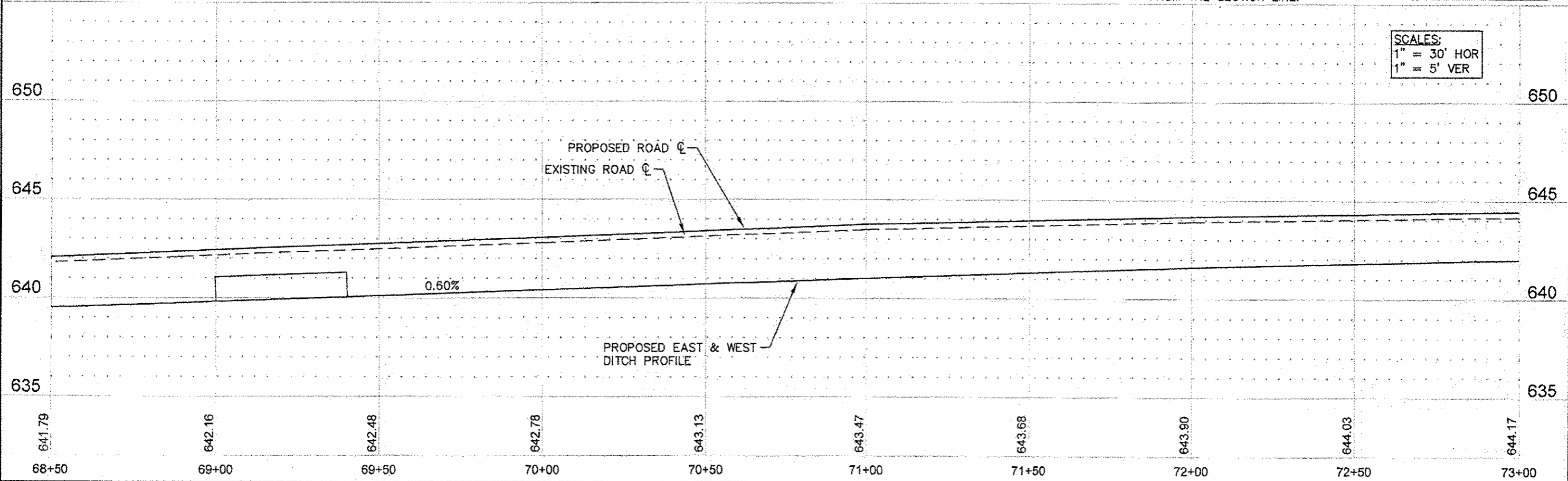
COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	19 of 46

CONTRACT NO. 87519



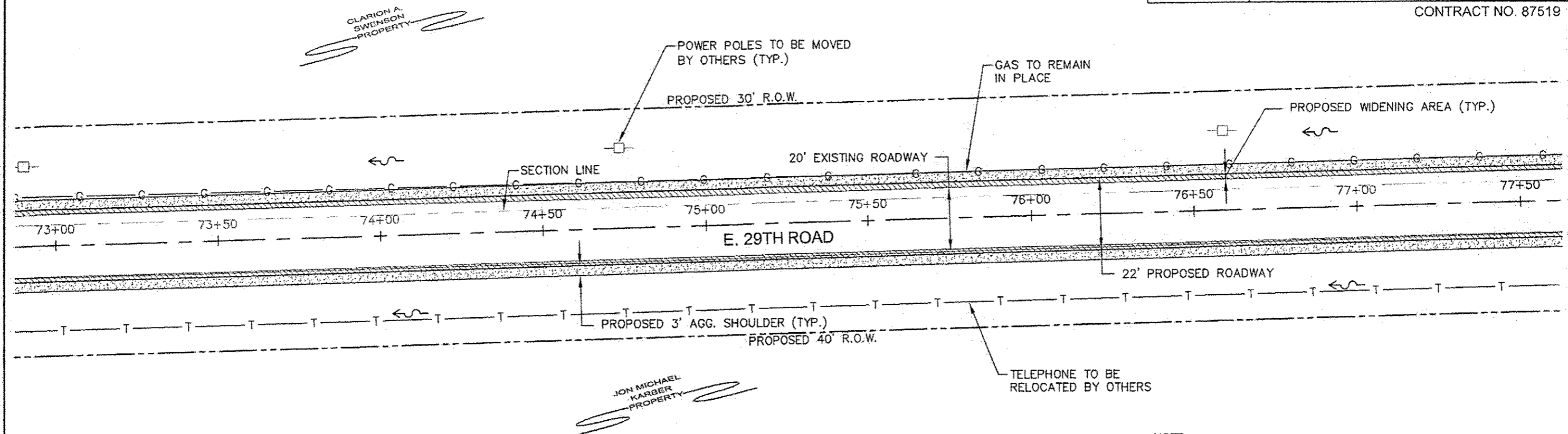
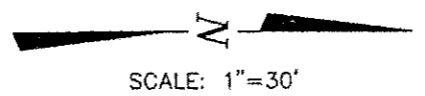
NOTE:
RIGHT OF WAY IS MEASURED FROM THE SECTION LINE.

PLAN & PROFILE



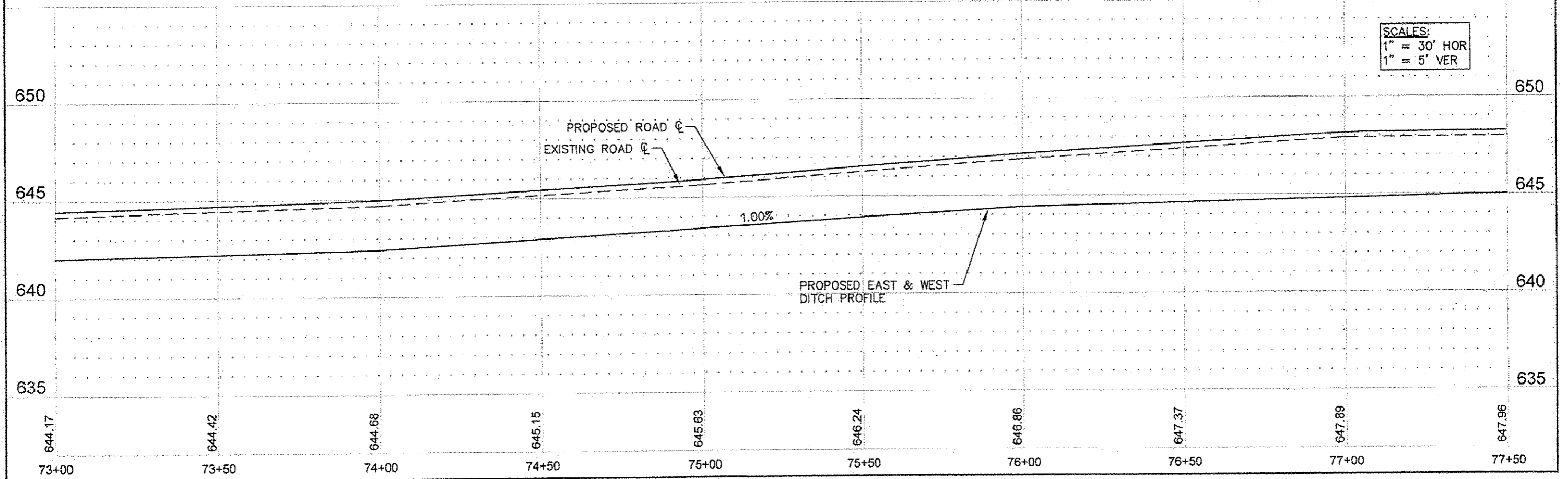
COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	20 of 46

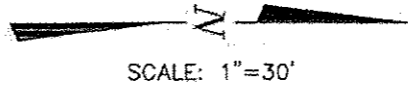
CONTRACT NO. 87519



NOTE:
RIGHT OF WAY IS MEASURED
FROM THE SECTION LINE.

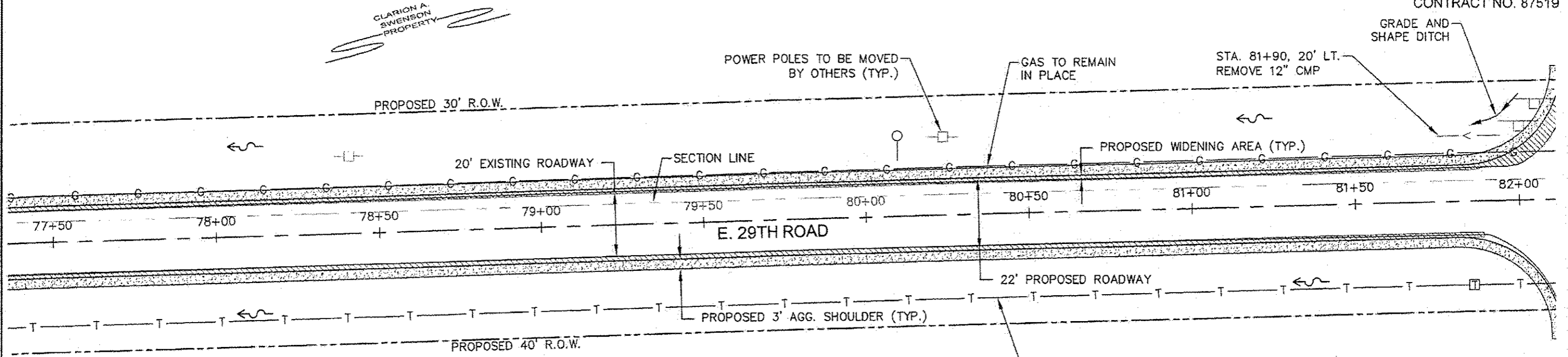
PLAN & PROFILE





COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	21 of 46

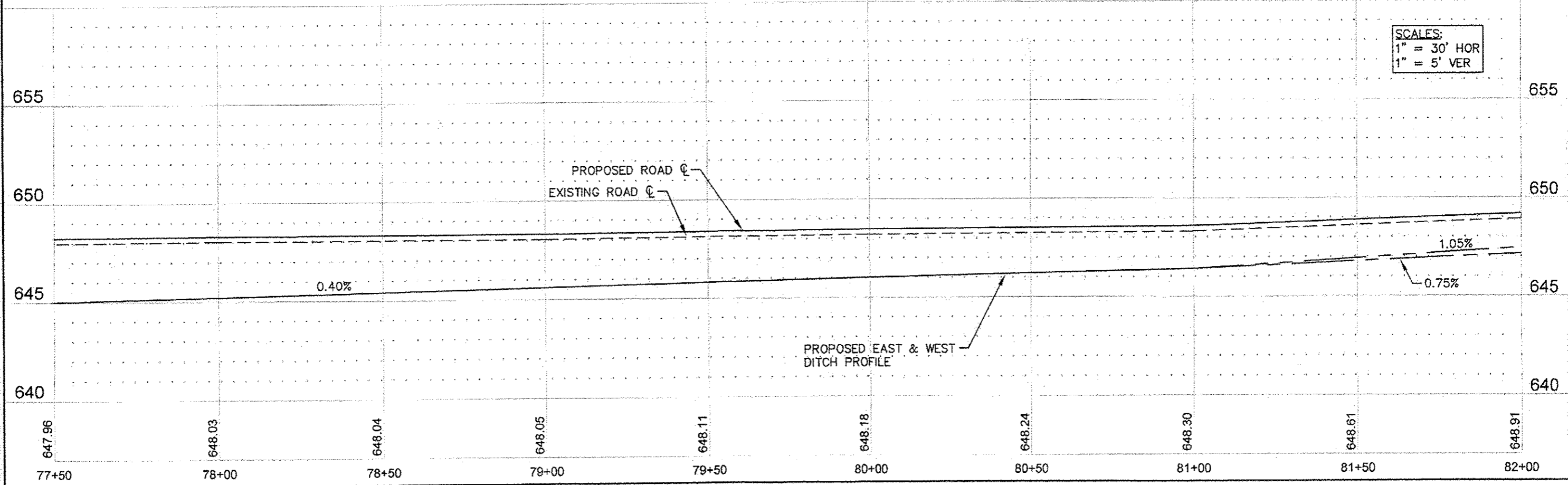
CONTRACT NO. 87519



NOTE:
RIGHT OF WAY IS MEASURED
FROM THE SECTION LINE.

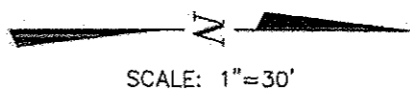
PLAN & PROFILE

SCALES:
1" = 30' HOR
1" = 5' VER

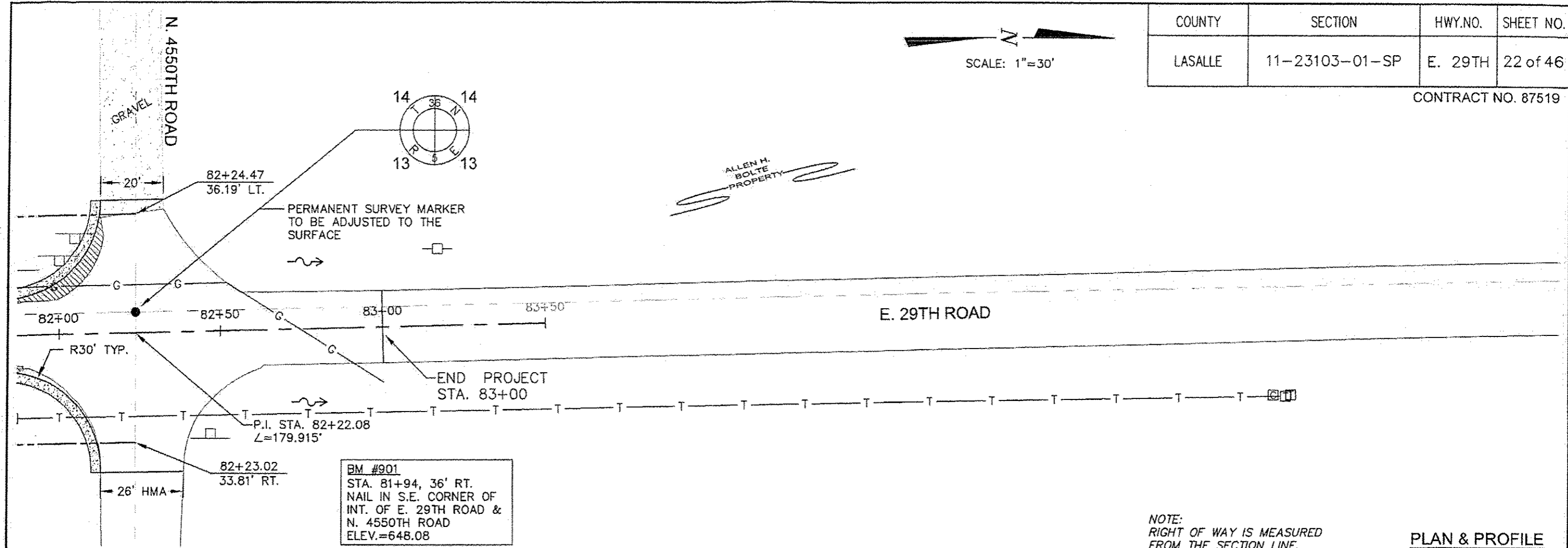


COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	22 of 46

CONTRACT NO. 87519

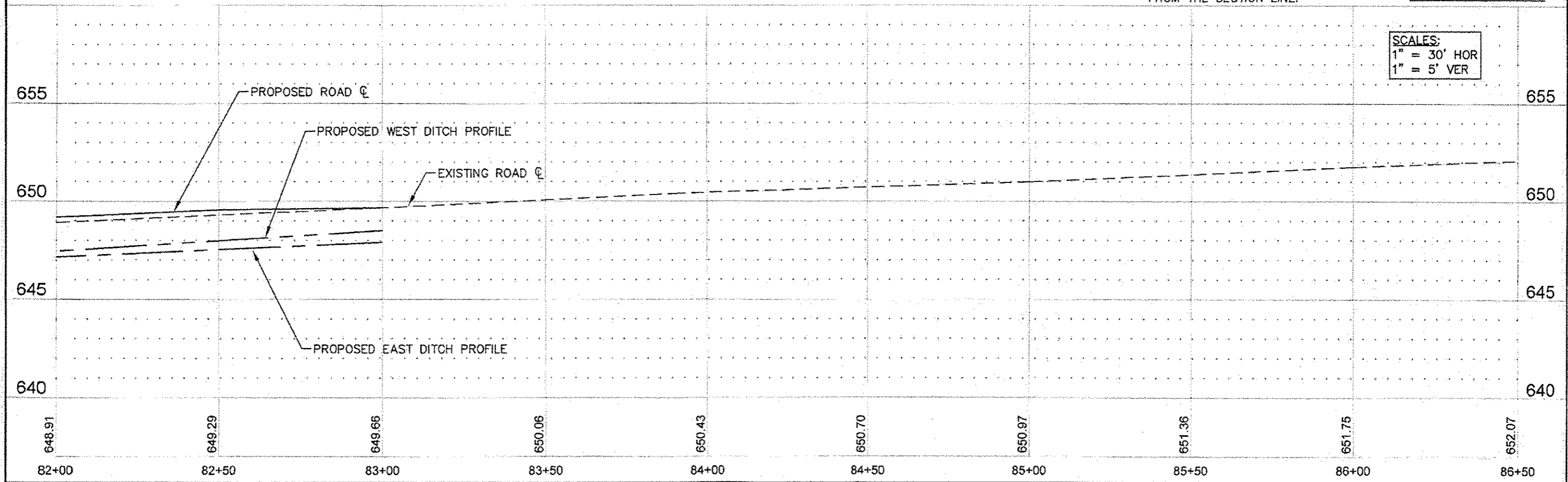


ALLEN H. BOLTE PROPERTY



NOTE:
RIGHT OF WAY IS MEASURED
FROM THE SECTION LINE.

PLAN & PROFILE



SCALES:
1" = 30' HOR
1" = 5' VER

SE 1/4 SEC. 23, T. 36 N., R. 5 E. 3RD P.M.

NE 1/4 SEC. 23, T. 36 N., R. 5 E. 3RD P.M.



SW COR. NE 1/4 SEC. 23-36-5
FD IRON PIPE
N. 1789621.246
E. 903276.225



SE COR. NW 1/4 SEC. 24-36-5
FD IRON PIPE
N. 1789853.480
E. 908560.692

PARCEL 001
DAVID A. JENSEN
TOTAL HOLDING = 3.282 AC.
TOTAL R.O.W. REQUIRED = 0.340 AC.
REMAINDER = 2.942 AC.

PARCEL 002
HENRY DALE SUPPES, TRUSTEE
TOTAL HOLDING = 160.782 AC.
TOTAL R.O.W. REQUIRED = 1.825 AC.
AREA IN EXIST. R.O.W. = 1.277 AC.
NET R.O.W. REQUIRED = 0.548 AC.
REMAINDER = 158.968 AC.

PARCEL 003
SARAH ELLEN COREY
TOTAL HOLDING = 75.255 AC.
TOTAL R.O.W. REQUIRED = 2.189 AC.
AREA IN EXIST. R.O.W. = 1.825 AC.
NET R.O.W. REQUIRED = 0.364 AC.
REMAINDER = 73.076 AC.

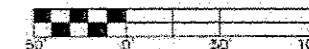
PARCEL 008
**MICHAEL J. EKEGREN AND PATRICIA EKEGREN
FOR FUTURE PURCHASE**

PARCEL 009
ROBERT W. PHIPPS AND TIFFANY L. PHIPPS
TOTAL HOLDING = 5.500 AC.
TOTAL R.O.W. REQUIRED = 0.274 AC.
AREA IN EXIST. R.O.W. = 0.228 AC.
NET R.O.W. REQUIRED = 0.046 AC.
REMAINDER = 5.226 AC.

SURVEYOR'S STATEMENT
I, Ronald C. Thompson, hereby state that I am a Professional Land Surveyor of the State of Illinois and that the survey of East 29TH Road was made by Renwick and Associates, Inc. under my direction at the request of the LaSalle County Highway Department, and that the survey is true and complete as shown to the best of my knowledge and belief. That all monuments and marks are of the character and occupy the position shown thereon and are sufficient to enable the survey to be retraced.

Date: 4-30-13

Ronald C. Thompson
Ronald C. Thompson ILPSA No. 0167 (Expires November 2014)
Renwick & Associates, Inc. Design Firm No. 184-004957



NOTE: ALL BEARINGS AND DISTANCES ARE REFERENCED TO THE ILLINOIS STATE
1. PLANE COORDINATE SYSTEM, EAST ZONE NAD 83 (2007 ADJ)
2. GRID DISTANCE (AS LABELED) x 1.000032741 = GROUND DISTANCE

SW 1/4 SEC. 24, T. 36 N., R. 5 E. 3RD P.M.

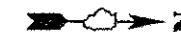
NW 1/4 SEC. 24, T. 36 N., R. 5 E. 3RD P.M.

CONTRACT NO. 87519

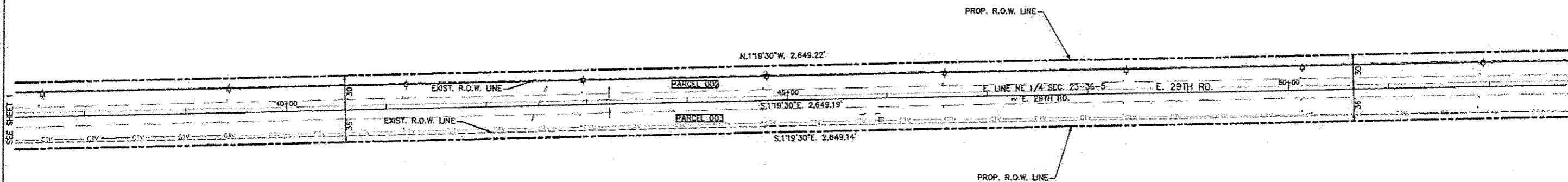
SHEET NO. 23 of 46

RENWICK & ASSOCIATES, INC. 1304 Gemini Circle, Suite 4 Ottawa, Illinois 61350 ENGINEERING LAND SURVEYING TEL: 815-434-3200 FAX: 815-434-3868 DESIGN FIRM NO.: 164-004957	DESIGNED --	REVISED --	LASALLE COUNTY HIGHWAY DEPARTMENT NORTHVILLE TOWNSHIP	RIGHT OF WAY PLANS		F.A. / R.T.E. / SECTION / COUNTY / TOTAL SHEETS / SHEET NO. / CONTRACT NO.
	DRAWN --	REVISED --		PROJECT / JOB NO. / SCALE: 1" = 50' / SHEET NO. 1 OF 4 SHEETS / STA. 24+00 TO STA. 37+50	11-23103-01-SP / LASALLE / 4 / 1	
	CHECKED --	REVISED --				FED. ROAD DIST. NO. / ILLINOIS FED. AID PROJECT
	DATE --	REVISED --				

NE 1/4 SEC. 23, T. 36 N., R. 5 E. 3RD P.M.



PARCEL 002
HENRY DALE SUPPES, TRUSTEE
 TOTAL HOLDING = 160.792 AC.
 TOTAL R.O.W. REQUIRED = 1.825 AC.
 AREA IN EXIST. R.O.W. = 1.277 AC.
 NET R.O.W. REQUIRED = 0.548 AC.
 REMAINDER = 158.988 AC.



PARCEL 003
SARAH ELLEN COREY
 TOTAL HOLDING = 75.285 AC.
 TOTAL R.O.W. REQUIRED = 2.189 AC.
 AREA IN EXIST. R.O.W. = 1.825 AC.
 NET R.O.W. REQUIRED = 0.364 AC.
 REMAINDER = 73.076 AC.

SURVEYOR'S STATEMENT
 I, Ronald C. Thompson, hereby state that I am a Professional Land Surveyor of the State of Illinois and that the survey of East 29th Road was made by Renwick and Associates, Inc. under my direction at the request of the LaSalle County Highway Department, and that the survey is true and complete as shown to the best of my knowledge and belief. That all monuments and marks are of the character and occupy the position shown thereon and are sufficient to enable the survey to be retraced.

Date: 4-30-13

Ronald C. Thompson
 Ronald C. Thompson ILPSA No. 3467 (Expires November 2014)
 Renwick & Associates, Inc. Design Firm No. 184-004957



NOTE: ALL BEARINGS AND DISTANCES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE NAD 83 (2007 ADJ.)

NW 1/4 SEC. 24, T. 36 N., R. 5 E. 3RD P.M.

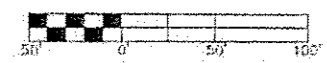
CONTRACT NO. 87519

SHEET NO. 24 of 46

RENWICK & ASSOCIATES, INC. 1304 Gemini Circle, Suite 4 Ottawa, Illinois 61350 ENGINEERING LAND SURVEYING TEL: 815-434-3200 FAX: 815-434-3968 DESIGN FIRM NO.: 184-004957	DESIGNED —	REVISED —	LASALLE COUNTY HIGHWAY DEPARTMENT NORTHVILLE TOWNSHIP	RIGHT OF WAY PLANS		SECTION 11-23103-01-SP COUNTY LASALLE TOTAL SHEETS 4 SHEET NO. 2 CONTRACT NO. ILLINOIS FED. AID PROJECT	
	DRAWN —	REVISED —		PROJECT	JOB NO.		
	CHECKED —	REVISED —		SCALE: 1" = 50'	SHEET NO. 2 OF 4 SHEETS		STA. 37+50 TO STA. 52+50
	DATE —	REVISED —					

NE 1/4 SEC. 23, T. 36 N., R. 5 E. 3RD P.M.

SE 1/4 OF SE 1/4 SEC. 14, T. 36 N., R. 5 E. 3RD P.M.



NOTE: ALL BEARINGS AND DISTANCES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE NAD 83 (2007 ADJ)

PARCEL 002

HENRY DALE SUPPES, TRUSTEE
 TOTAL HOLDING = 160.792 AC.
 TOTAL R.O.W. REQUIRED = 1.825 AC.
 AREA IN EXIST. R.O.W. = 1.277 AC.
 NET R.O.W. REQUIRED = 0.548 AC.
 REMAINDER = 158.868 AC.

PARCEL 005

DORIS CORY AND SARAH E. CORY
 TOTAL HOLDING = 40.172 AC.
 TOTAL R.O.W. REQUIRED = 0.911 AC.
 AREA IN EXIST. R.O.W. = 0.577 AC.
 NET R.O.W. REQUIRED = 0.334 AC.
 REMAINDER = 39.261 AC.

PARCEL 003

SARAH ELLEN COREY
 TOTAL HOLDING = 75.265 AC.
 TOTAL R.O.W. REQUIRED = 2.189 AC.
 AREA IN EXIST. R.O.W. = 1.825 AC.
 NET R.O.W. REQUIRED = 0.364 AC.
 REMAINDER = 73.076 AC.

PARCEL 006

JON MICHAEL KARBER, TRUSTEE
 TOTAL HOLDING = 60.961 AC.
 TOTAL R.O.W. REQUIRED = 1.769 AC.
 AREA IN EXIST. R.O.W. = 1.367 AC.
 NET R.O.W. REQUIRED = 0.402 AC.
 REMAINDER = 59.192 AC.

SURVEYOR'S STATEMENT
 I, Ronald C. Thompson, hereby state that I am a Professional Land Surveyor of the State of Illinois and that the survey of East 29th Road was made by Renwick and Associates, Inc. under my direction at the request of the LaSalle County Highway Department, and that the survey is true and complete as shown to the best of my knowledge and belief. That all monuments and marks are of the character and occupy the position shown thereon and are sufficient to enable the survey to be retraced.
 Date: 4-30-13
Ronald C. Thompson
 Ronald C. Thompson ILPSA No. 8487 (Expire November 2014)
 Renwick & Associates, Inc. Design Firm No. 184-004957

N. 1/2 OF SW 1/4 OF SW 1/4 SEC. 13, T. 36 N., R. 5 E. 3RD P.M.
 CONTRACT NO. 87519

SHEET NO. 25 of 46

RENWICK & ASSOCIATES, INC. 1304 Gemini Circle, Suite 4, Ottawa, Illinois 61350 ENGINEERING LAND SURVEYING TEL: 815-434-3200 FAX: 815-434-3988 DESIGN FIRM NO.: 184-004957		DESIGNED --- DRAWN --- CHECKED --- DATE ---	REVISED --- REVISED --- REVISED --- REVISED ---	LASALLE COUNTY HIGHWAY DEPARTMENT NORTHVILLE TOWNSHIP	RIGHT OF WAY PLANS PROJECT: _____ JOB NO.: _____ SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. 52+50 TO STA. 67+50	SECTION: 11-23103-01-SP COUNTY: LASALLE TOTAL SHEETS: 4 SHEET NO.: 3 CONTRACT NO.: _____ FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT
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NE 1/4 OF SE 1/4 SEC. 14, T. 36 N., R. 5 E. 3RD P.M.



N. 1785119.195
E. 803144.811 NW COR. SE 1/4
SEC. 14-36-5
FD IRON PIPE

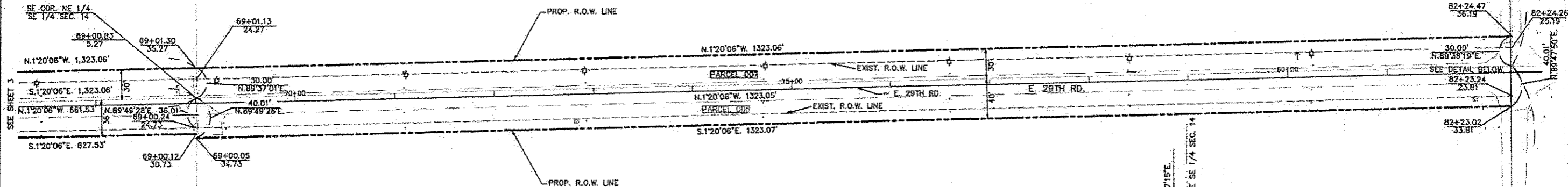
PARCEL 005
DORIS CORY AND
SARAH E. CORY

TOTAL HOLDING = 40.172 AC.
TOTAL R.O.W. REQUIRED = 0.911 AC.
AREA IN EXIST. R.O.W. = 0.577 AC.
NET R.O.W. REQUIRED = 0.334 AC.
REMAINDER = 39.261 AC.

PARCEL 007

CLARION A. SWENSON AND JEAN SWENSON

TOTAL HOLDING = 40.240 AC.
TOTAL R.O.W. REQUIRED = 0.911 AC.
AREA IN EXIST. R.O.W. = 0.577 AC.
NET R.O.W. REQUIRED = 0.334 AC.
REMAINDER = 39.329 AC.



PARCEL 006
JON MICHAEL KARBER, TRUSTEE

TOTAL HOLDING = 60.981 AC.
TOTAL R.O.W. REQUIRED = 1.769 AC.
AREA IN EXIST. R.O.W. = 1.367 AC.
NET R.O.W. REQUIRED = 0.402 AC.
REMAINDER = 59.192 AC.

SURVEYOR'S STATEMENT

I, Ronald C. Thompson, hereby state that I am a Professional Land Surveyor of the State of Illinois and that the survey of East 29th Road was made by Renwick and Associates, Inc. under my direction at the request of the LaSalle County Highway Department, and that the survey is true and complete as shown to the best of my knowledge and belief. That all monuments and marks are of the character and occupy the position shown thereon and are sufficient to enable the survey to be retraced.

Date: 4-30-13

Ronald C. Thompson

Ronald C. Thompson ILPSA No. 3467 (Expires November 2014)
Renwick & Associates, Inc. Design Firm No. 184-004957

P.O.B PARCELS 006 & 007 N. 1785145.263
E. 908436.646

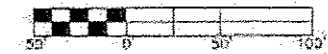
NE COR. SW 1/4
SEC. 13-36-5
FD IRON PIPE

E. LINE SE 1/4 SEC. 14
S.1°20'06"E. 2646.10' TO SW COR. SEC. 13

N.1°17'43"W. ~ E. 29TH RD.

N. 4550TH RD.
N. LINE SW 1/4 SEC. 13
N. LINE SE 1/4 SEC. 14

82+22.08
P.I.
N. 1785134.2667
E. 805802.8611



NOTE: ALL BEARINGS AND DISTANCES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE NAD 83 (2007 ADJ)

N. 1785145.263
E. 908436.646 NE COR. SW 1/4
SEC. 13-36-5
FD IRON PIPE

NW 1/4 OF SW 1/4 SEC. 13, T. 36 N., R. 5 E. 3RD P.M.

CONTRACT NO. 87519

SHEET NO. 26 of 46

RENWICK & ASSOCIATES, INC.
1304 Gemini Circle, Suite 4 Ottawa, Illinois 61350
ENGINEERING LAND SURVEYING
TEL: 815-434-3200 FAX: 815-434-3888 DESIGN FIRM NO.: 184-004957

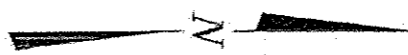
DESIGNED	---	REVISED	---
DRAWN	---	REVISED	---
CHECKED	---	REVISED	---
DATE	---	REVISED	---

LASALLE COUNTY HIGHWAY DEPARTMENT
NORTHVILLE TOWNSHIP

RIGHT OF WAY PLANS

SCALE: 1" = 50'	PROJECT	JOB NO.
SHEET NO. 4 OF 4 SHEETS	STA. 67+50 TO STA. 82+50	

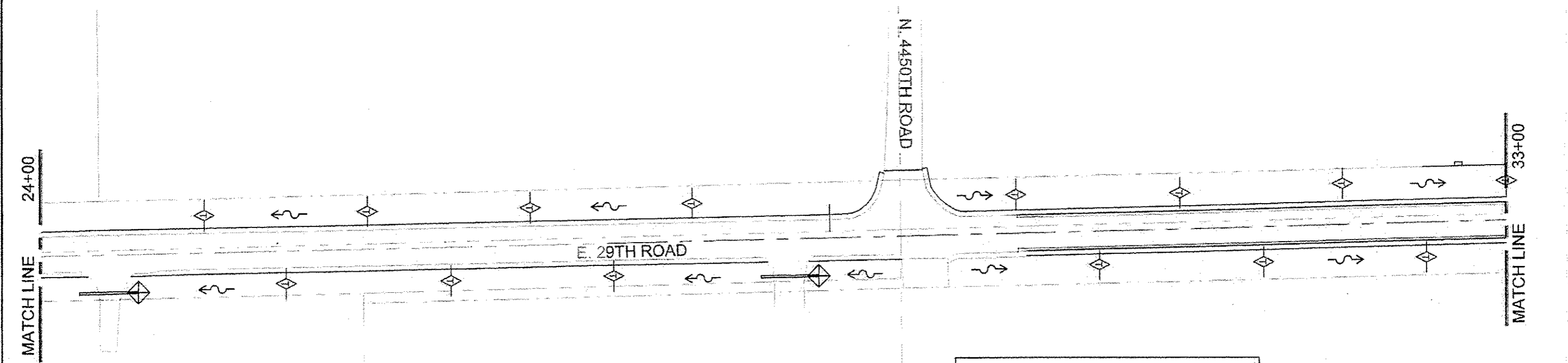
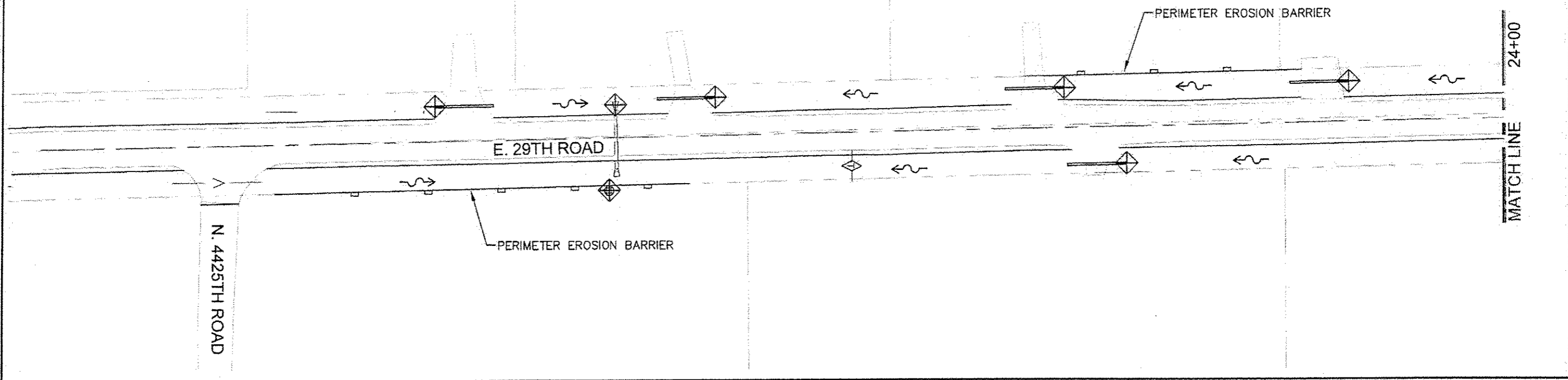
F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	11-23103-01-SP	LASALLE	4	4
CONTRACT NO.				



SCALE: 1"=60'

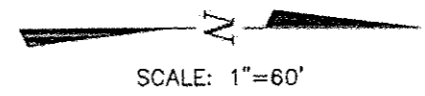
COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	27 of 46

CONTRACT NO. 87519



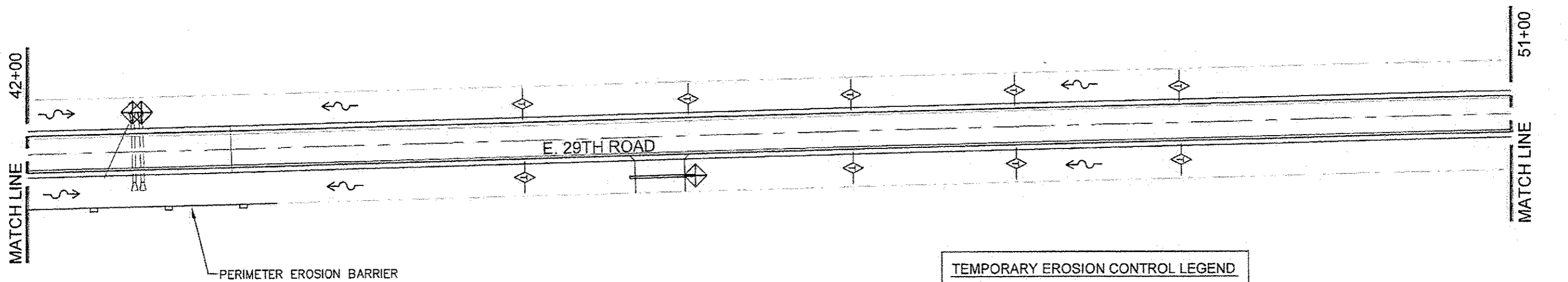
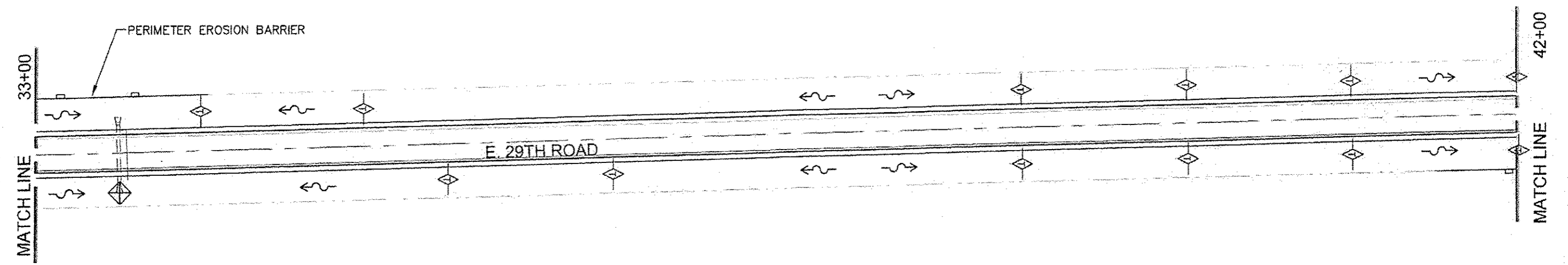
TEMPORARY EROSION CONTROL LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECKS
	INLET AND PIPE PROTECTION

EROSION CONTROL PLAN



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	28 of 46

CONTRACT NO. 87519

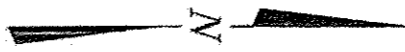


TEMPORARY EROSION CONTROL LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECKS
	INLET AND PIPE PROTECTION

EROSION CONTROL PLAN

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	29 of 46

CONTRACT NO. 87519



SCALE: 1"=60'

N. 45TH ROAD

E. 29TH ROAD

51+00

60+00

MATCH LINE

MATCH LINE

60+00

69+00

MATCH LINE

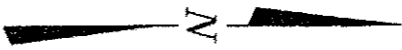
MATCH LINE

E. 29TH ROAD

PERIMETER EROSION BARRIER

TEMPORARY EROSION CONTROL LEGEND	
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECKS
	INLET AND PIPE PROTECTION

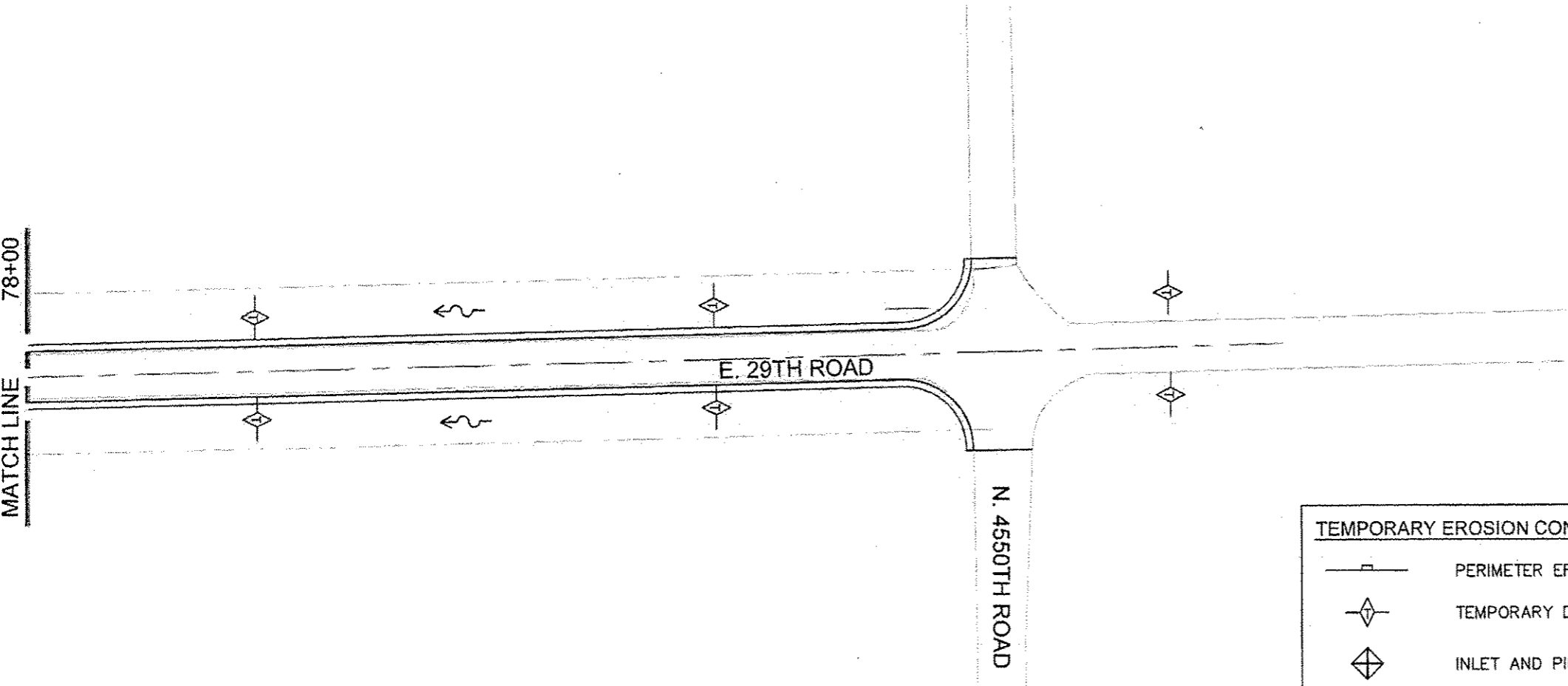
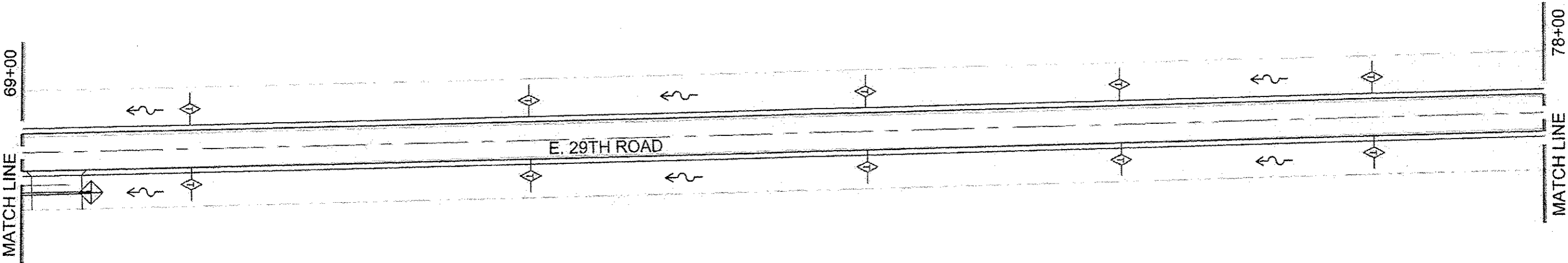
EROSION CONTROL PLAN



SCALE: 1"=60'

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	30 of 46

CONTRACT NO. 87519



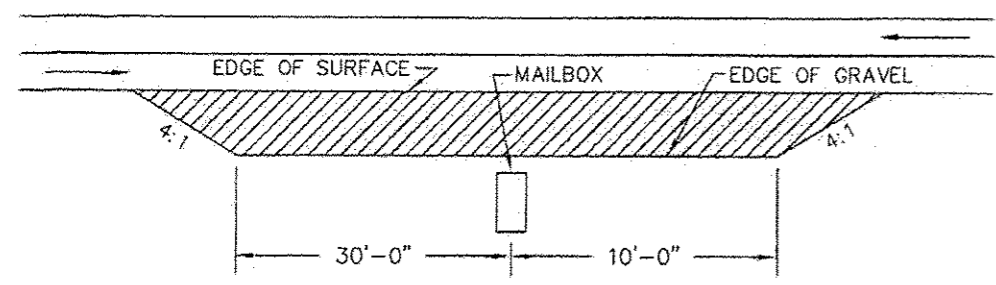
TEMPORARY EROSION CONTROL LEGEND

	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECKS
	INLET AND PIPE PROTECTION

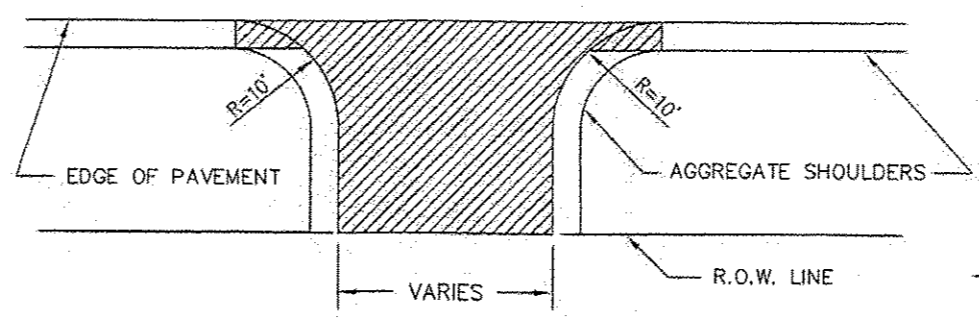
EROSION CONTROL PLAN

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	31 of 46

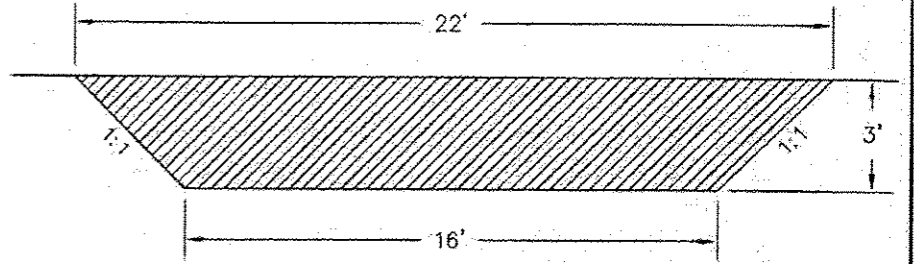
CONTRACT NO. 87519



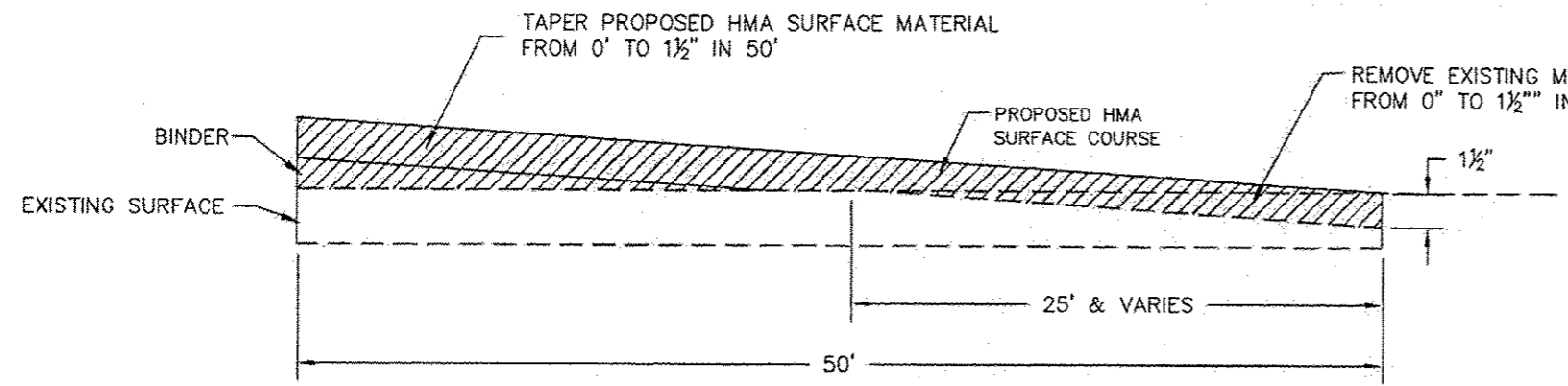
TYPICAL MAILBOX TURNOUT



TYPICAL PRIVATE ENTRANCE

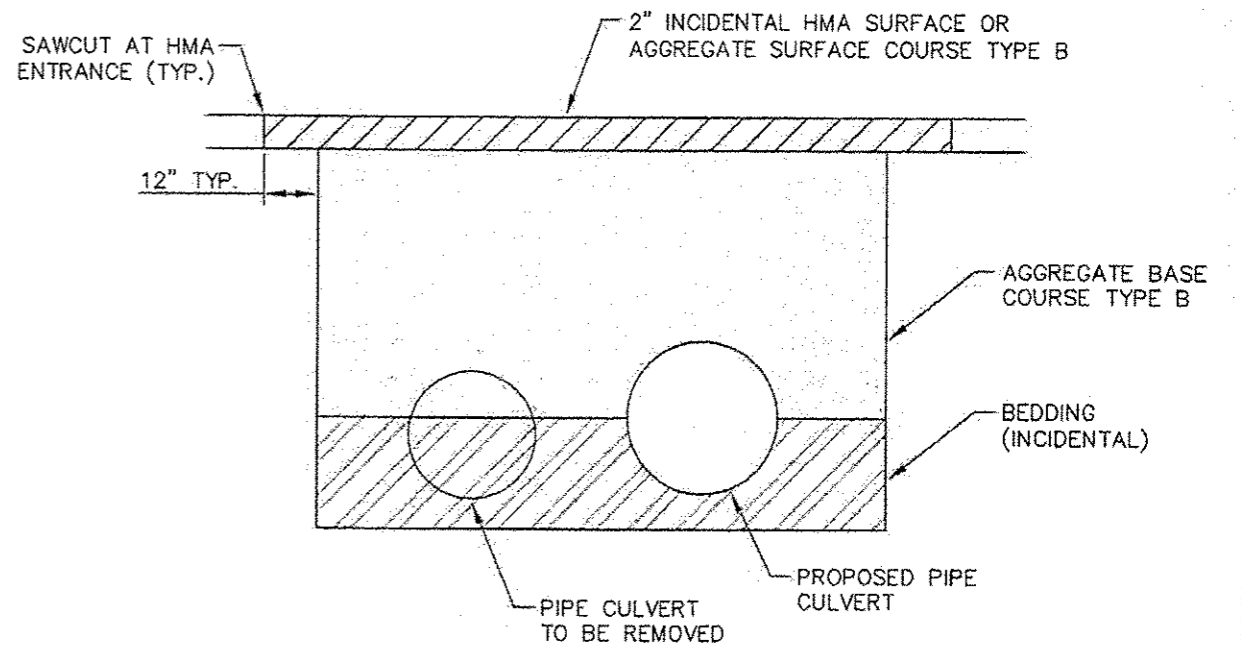


TYPICAL FIELD ENTRANCE

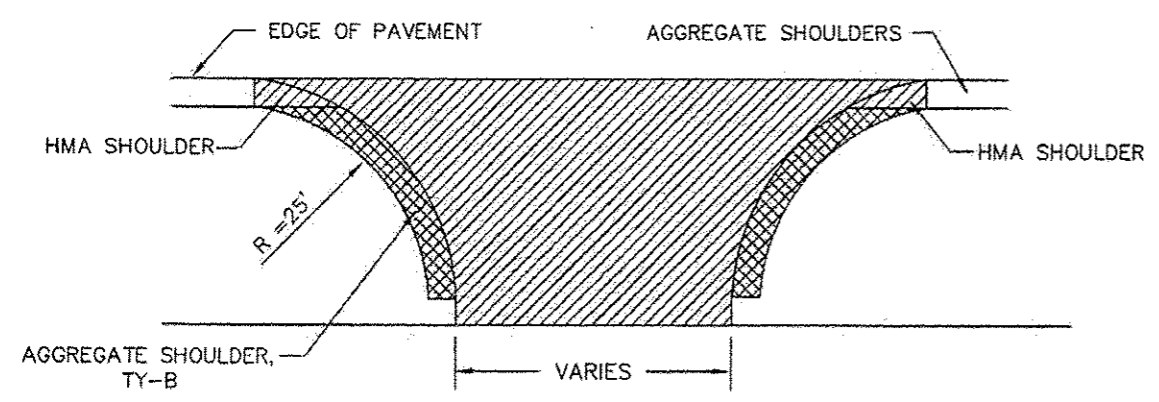


TAPER DETAIL

SEE HMA SURFACE REMOVAL - BUTT JOINT SCHEDULE FOR LOCATIONS

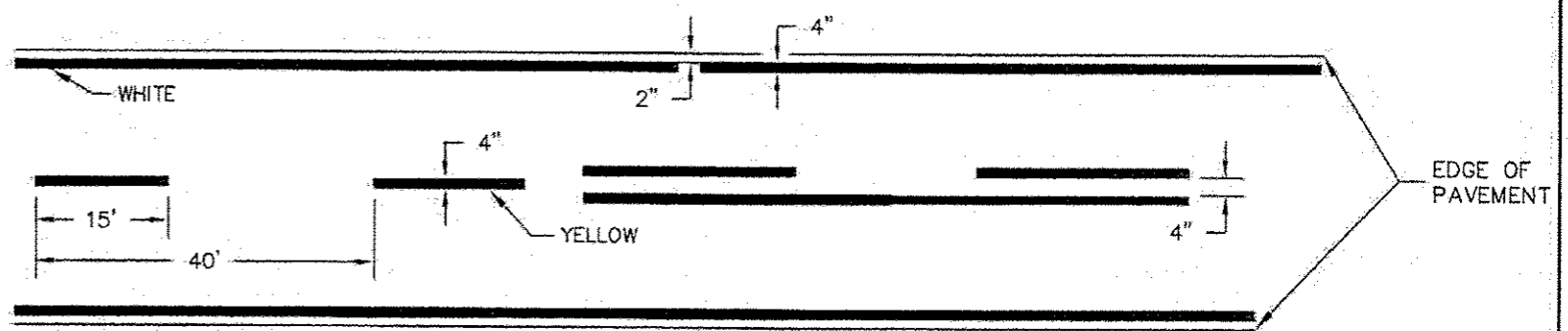


PIPE CULVERT INSTALLATION DETAIL



TYPICAL INTERSECTION

NOTE:
AGGREGATE SHOULDERS IN THE RADIUS AREAS OF SIDE ROADS SHALL BE APPLIED WITH MC-30 AT THE RATE SPECIFIED IN THE SPECIAL PROVISIONS.



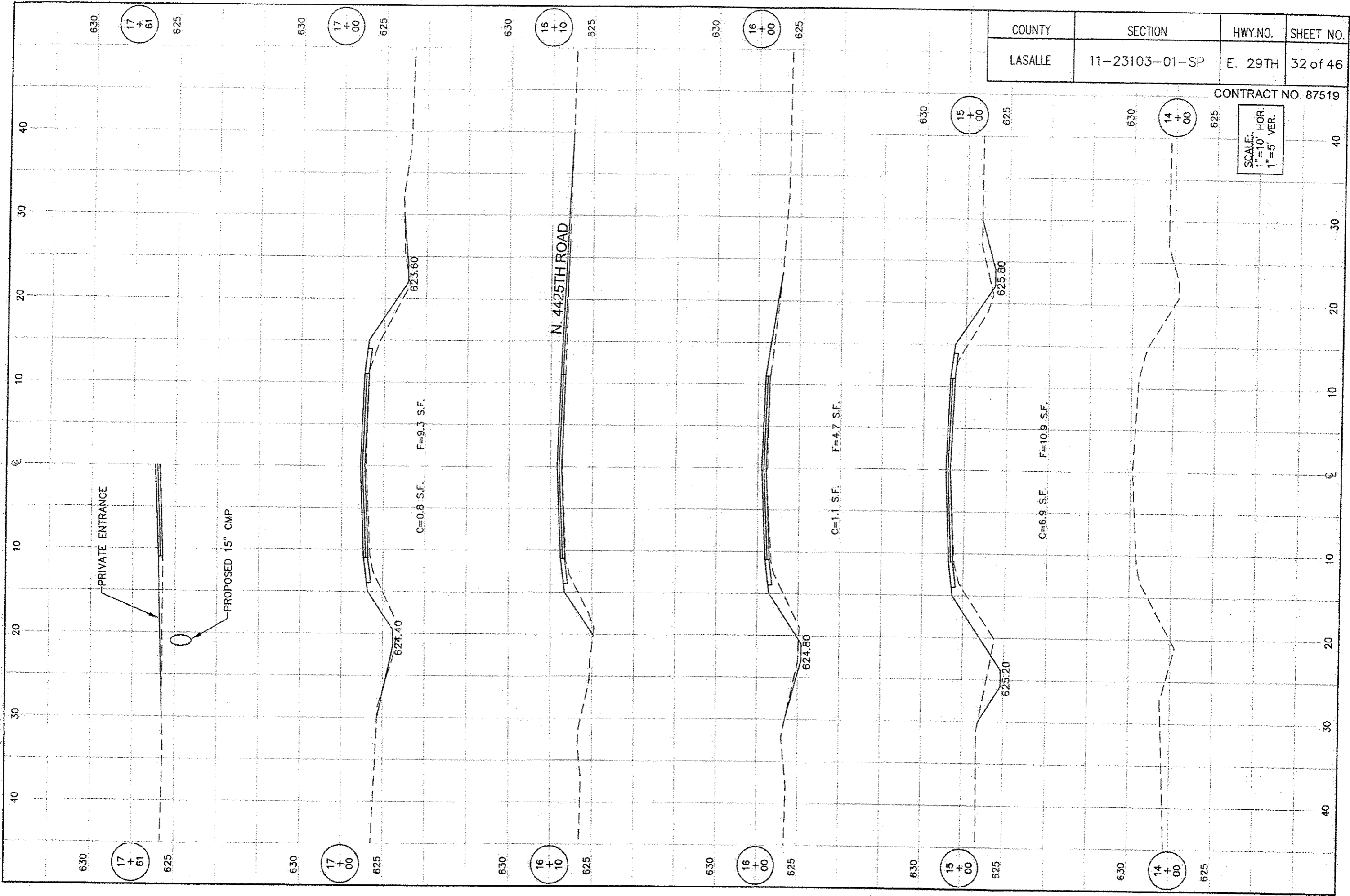
PAINTING DETAIL

LASALLE COUNTY FORCES MAINTAIN A 2-GUN SYSTEM. PAINT OPERATION SHOULD REFLECT LASALLE COUNTY'S SYSTEM.

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	32 of 46

CONTRACT NO. 87519

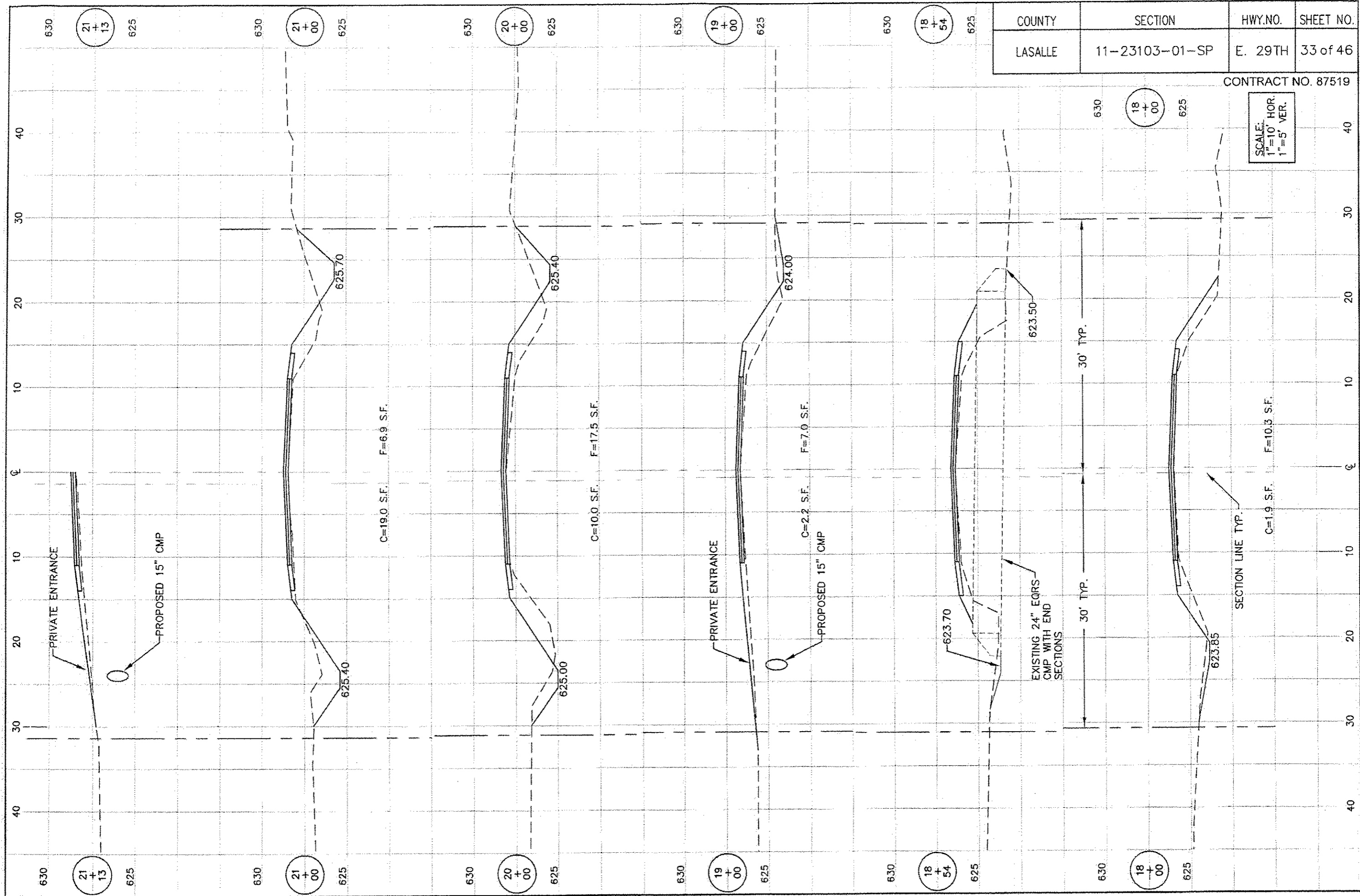
SCALE:
1"=10' HOR.
1"=5' VER.



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	33 of 46

CONTRACT NO. 87519

SCALE:
1"=10' HOR.
1"=5' VER.



630
21 + 13
625

630
21 + 00
625

630
20 + 00
625

630
19 + 00
625

630
18 + 54
625

630
21 + 13
625

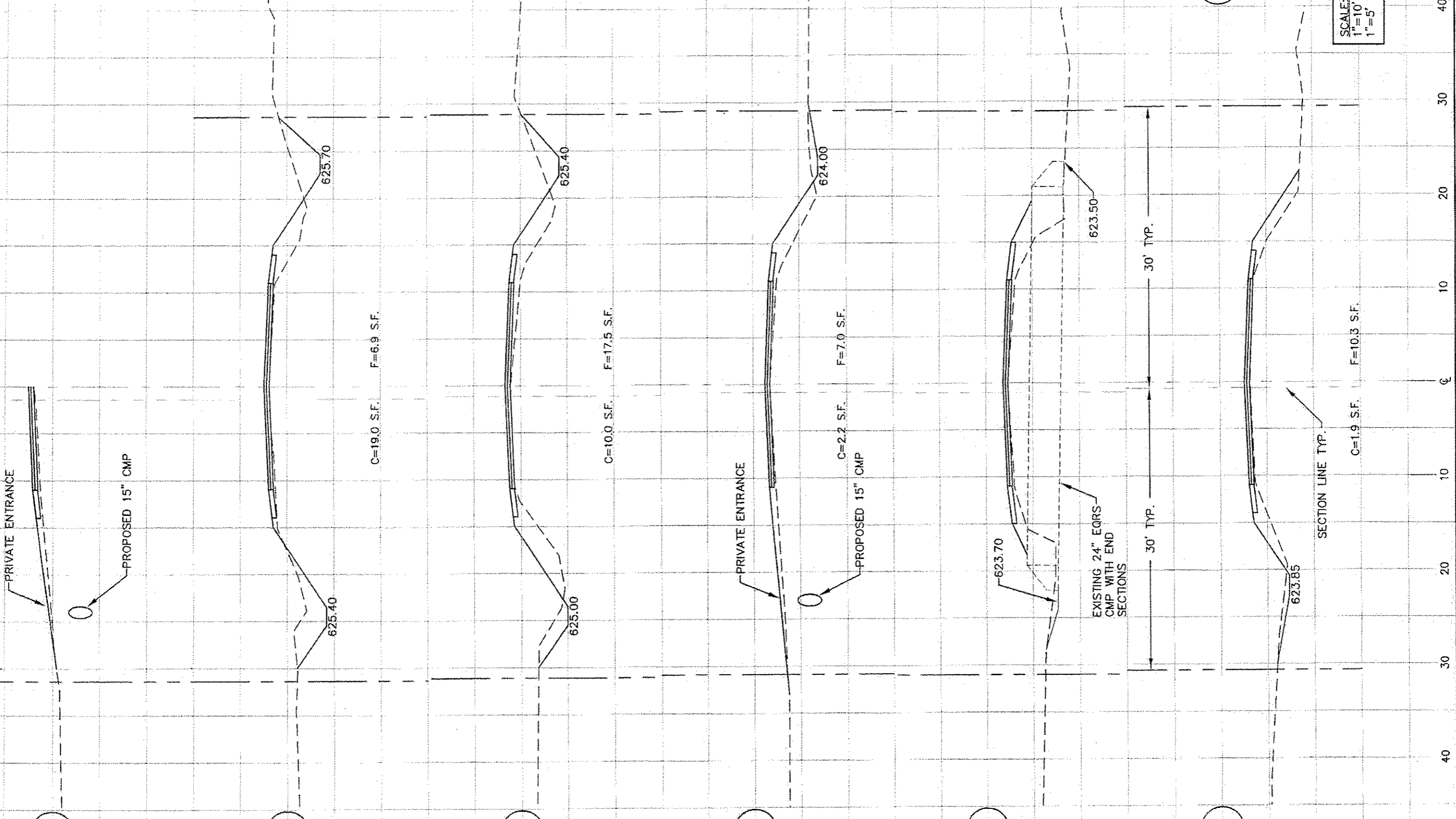
630
21 + 00
625

630
20 + 00
625

630
19 + 00
625

630
18 + 54
625

630
18 + 00
625



PRIVATE ENTRANCE
PROPOSED 15" CMP

C=19.0 S.F. F=6.9 S.F.

C=10.0 S.F. F=17.5 S.F.

C=2.2 S.F. F=7.0 S.F.

C=1.9 S.F. F=10.3 S.F.

PRIVATE ENTRANCE

PROPOSED 15" CMP

PRIVATE ENTRANCE

PROPOSED 15" CMP

EXISTING 24" EQRS
CMP WITH END
SECTIONS

SECTION LINE TYP.

30' TYP.

30' TYP.

623.70

623.50

623.85

625.70

625.40

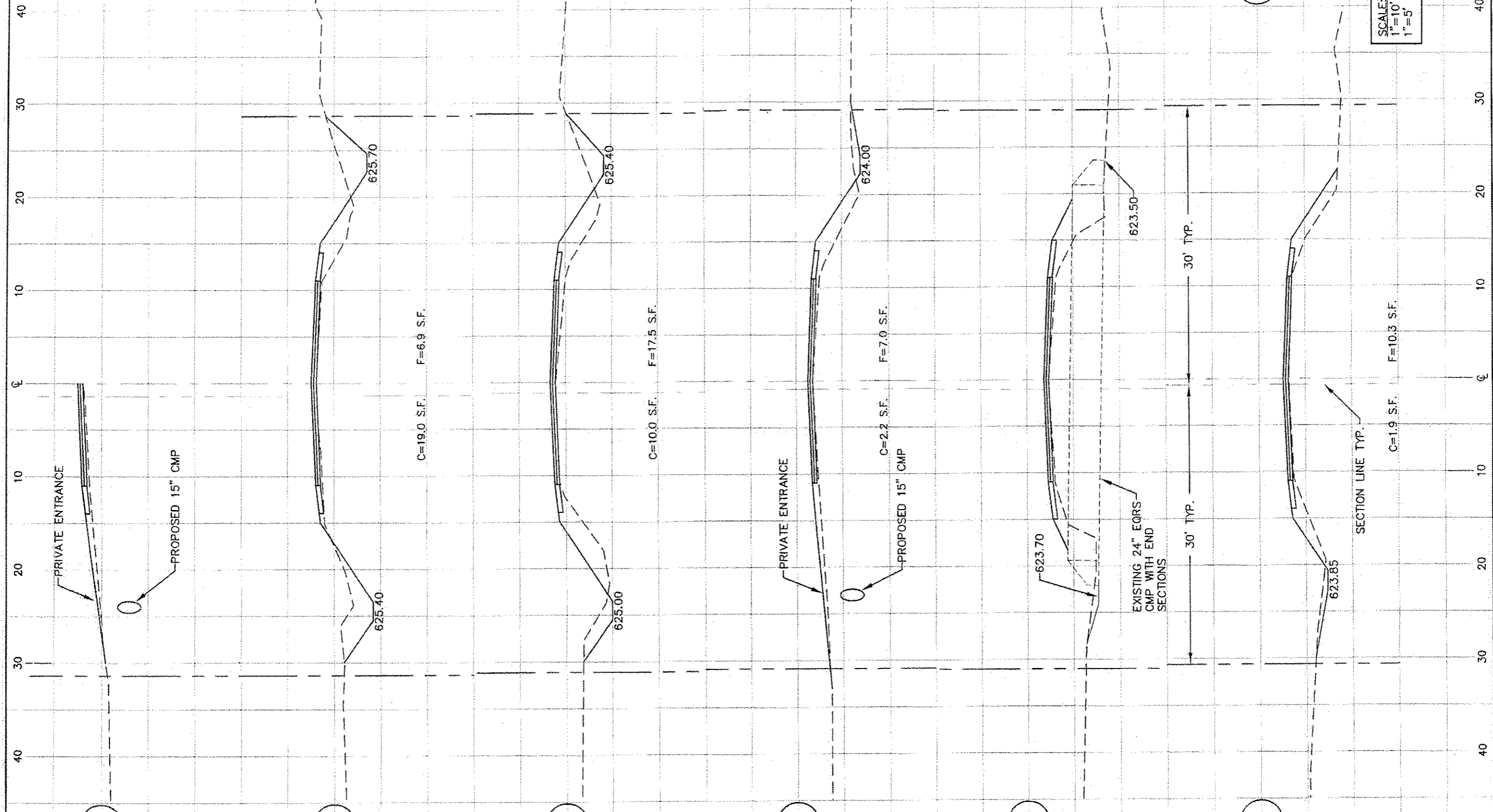
624.00

625.40

625.00

624.00

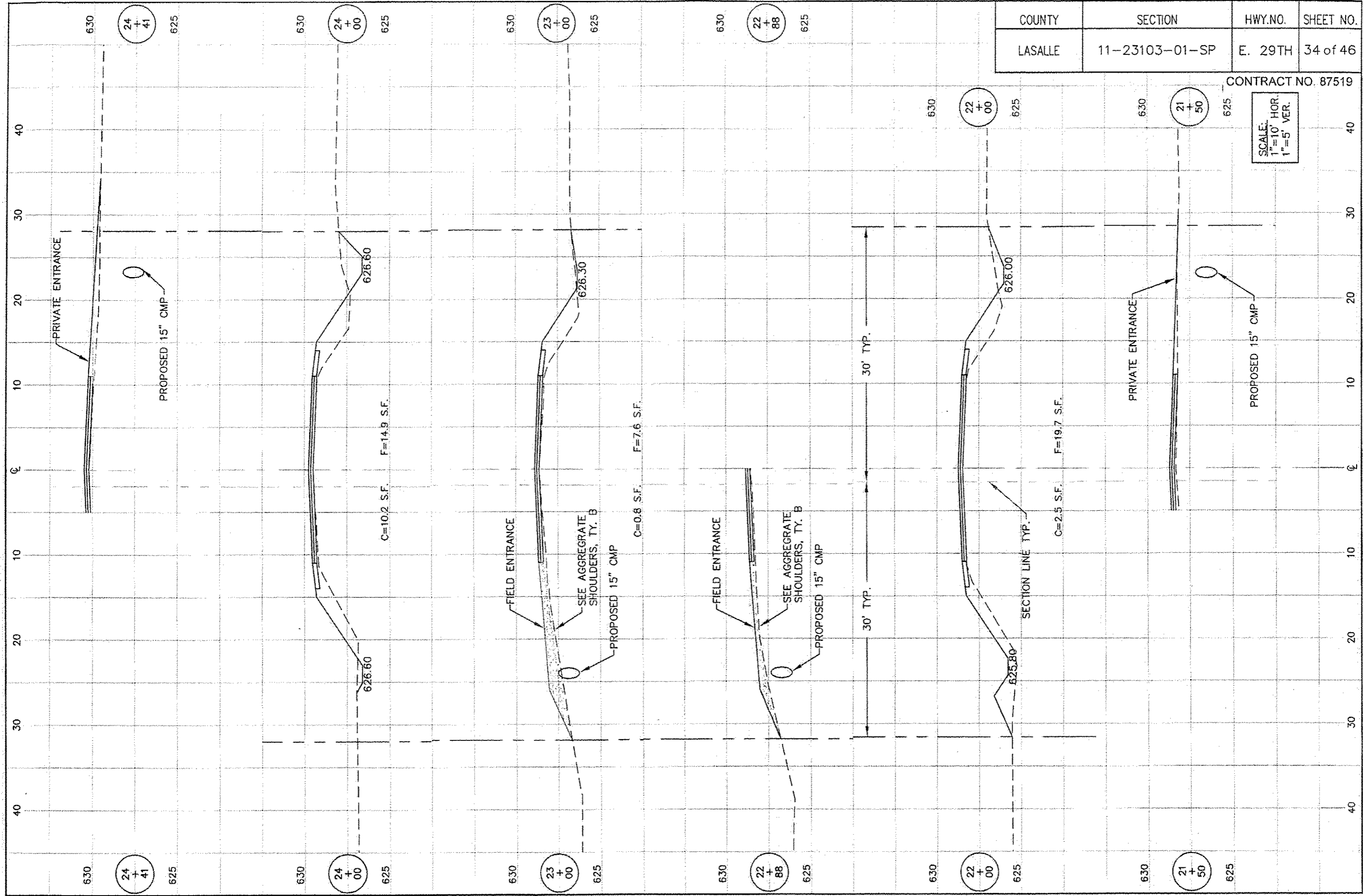
623.85



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	34 of 46

CONTRACT NO. 87519

SCALE:
1"=10' HOR.
1"=5' VER.



PROPOSED 15" CMP

C=10.2 S.F. F=14.9 S.F.

C=0.8 S.F. F=7.6 S.F.

C=2.5 S.F. F=19.7 S.F.

FIELD ENTRANCE
SEE AGGREGATE SHOULDERS, TY. B
PROPOSED 15" CMP

FIELD ENTRANCE
SEE AGGREGATE SHOULDERS, TY. B
PROPOSED 15" CMP

SECTION LINE TYP.

30' TYP.

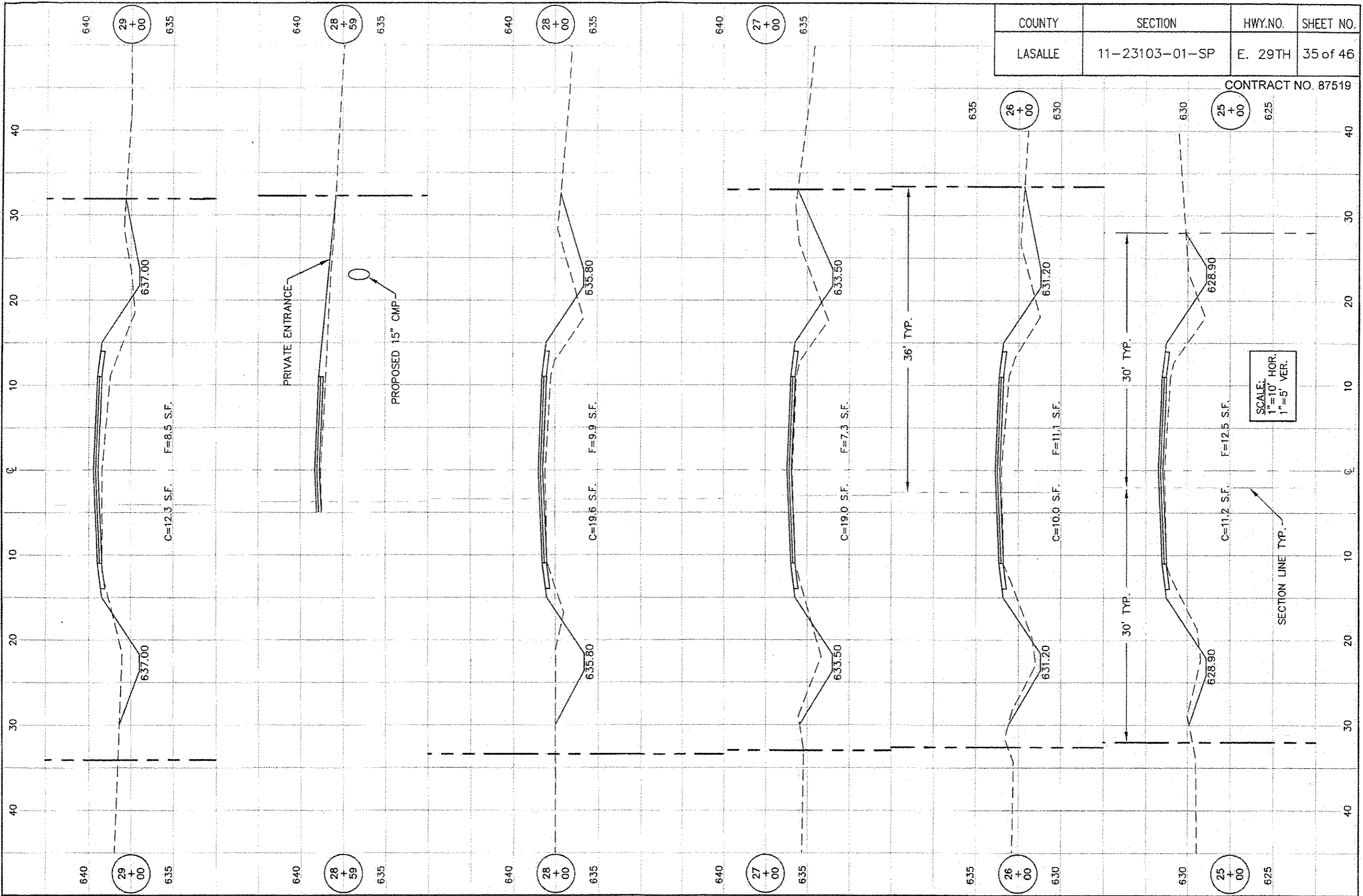
30' TYP.

PRIVATE ENTRANCE

PROPOSED 15" CMP

COUNTY	SECTION	HWY. NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	35 of 46

CONTRACT NO. 87519



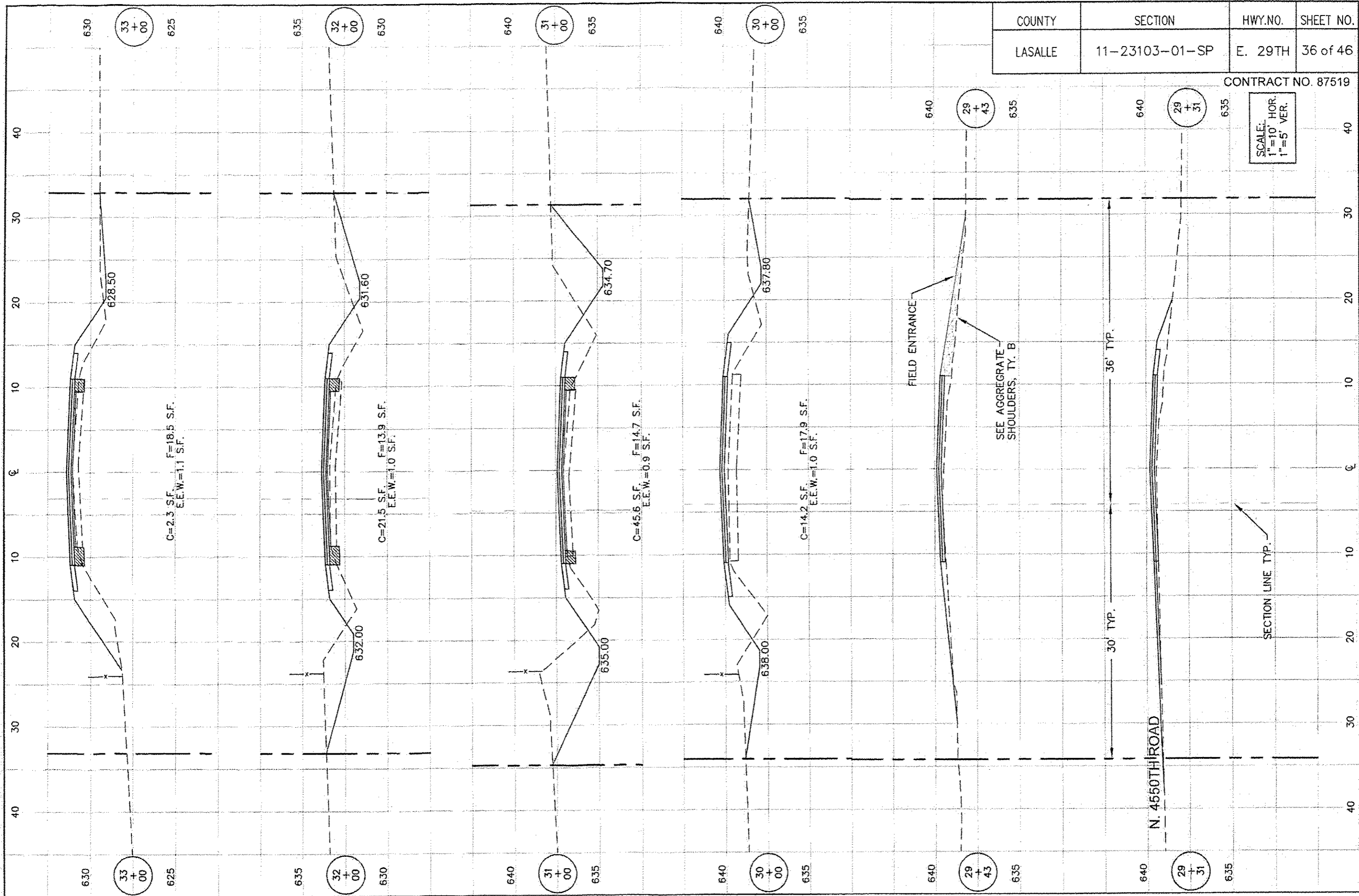
SCALE:
1"=10' HOR.
1"=5' VER.

SECTION LINE TYP.

COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	36 of 46

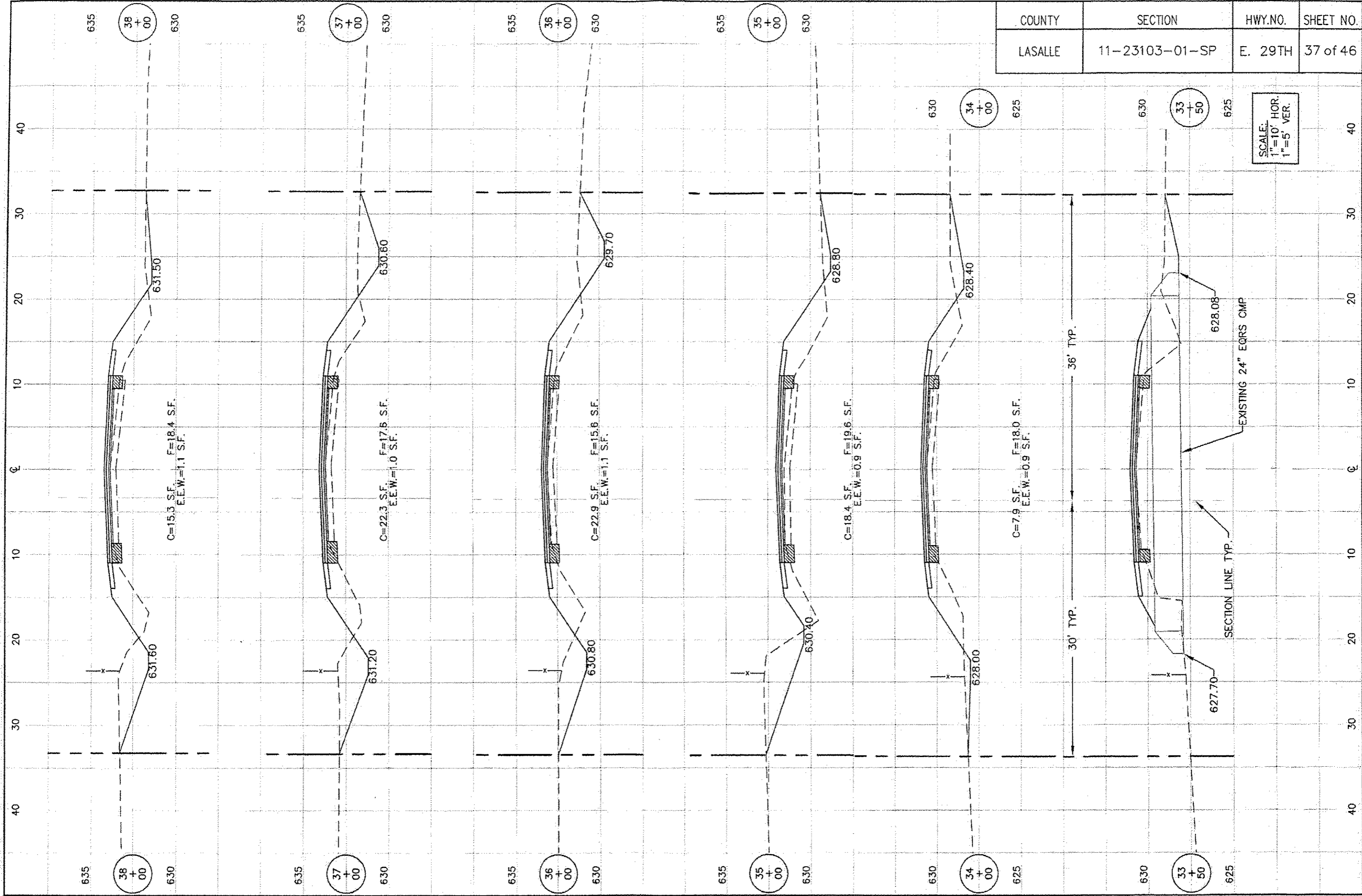
CONTRACT NO. 87519

SCALE:
1"=10' HOR.
1"=5' VER.



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	37 of 46

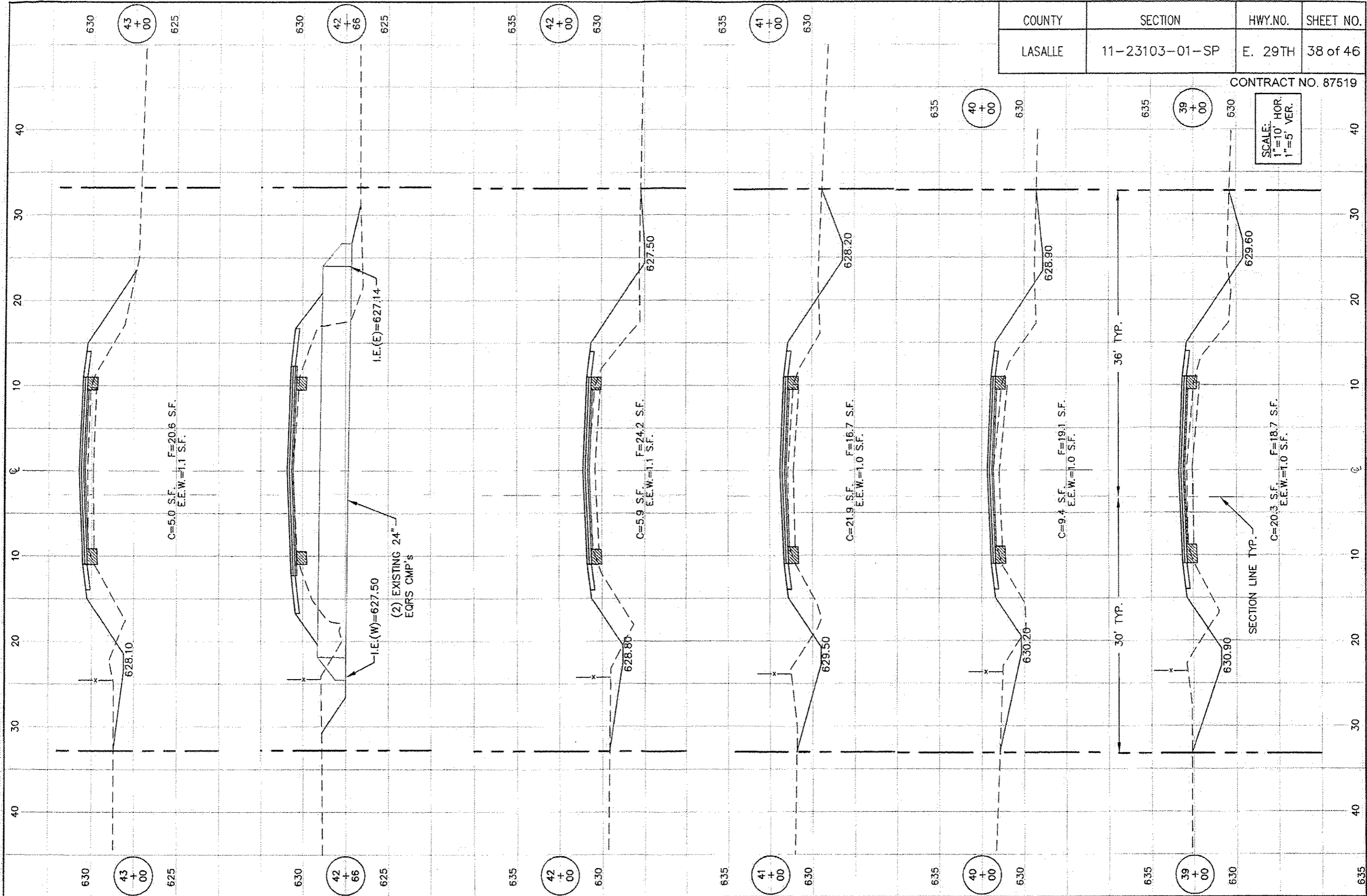
SCALE:
1"=10' HOR.
1"=5' VER.



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	38 of 46

CONTRACT NO. 87519

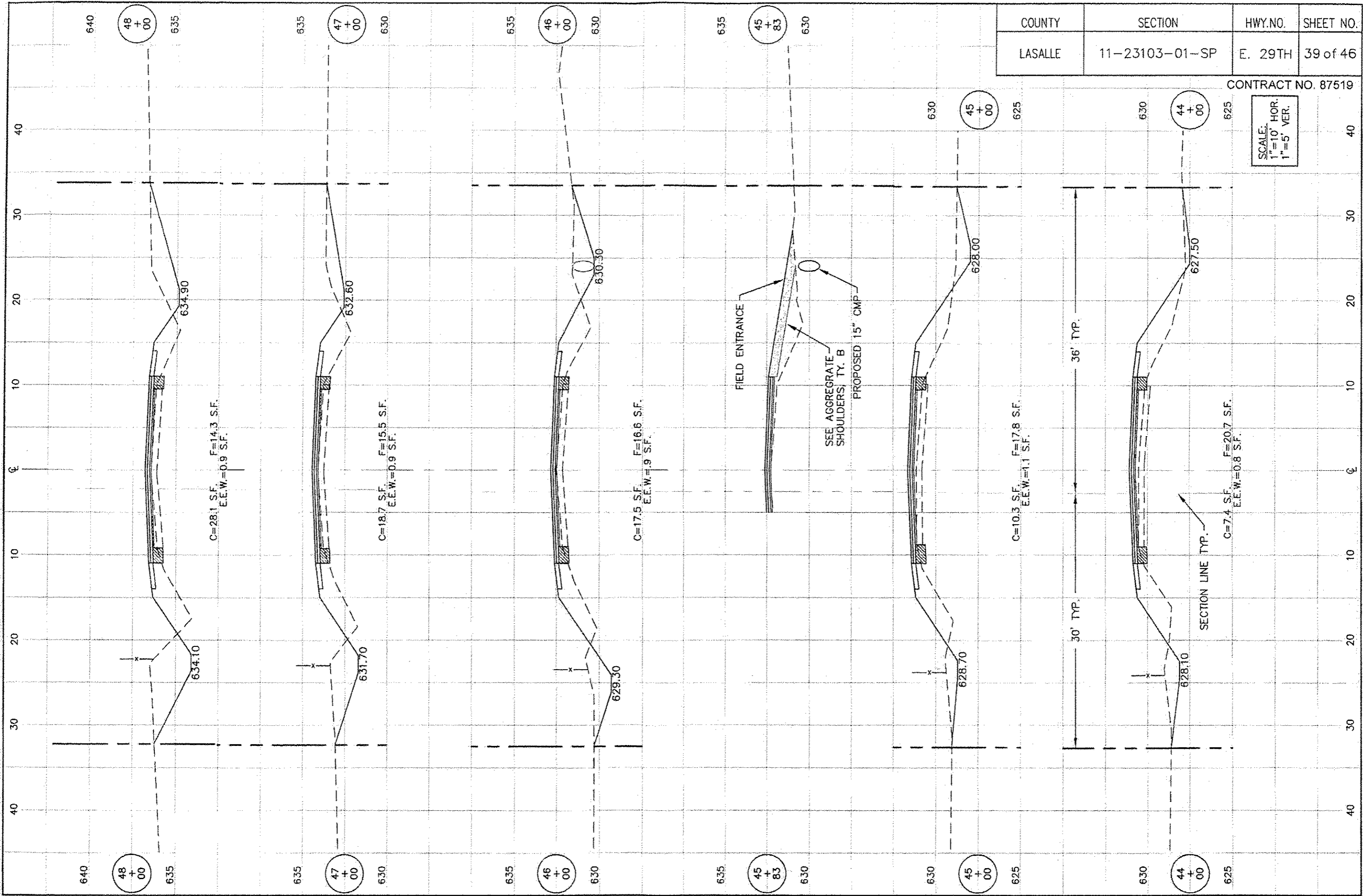
SCALE:
1"=10' HOR.
1"=5' VER.



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	39 of 46

CONTRACT NO. 87519

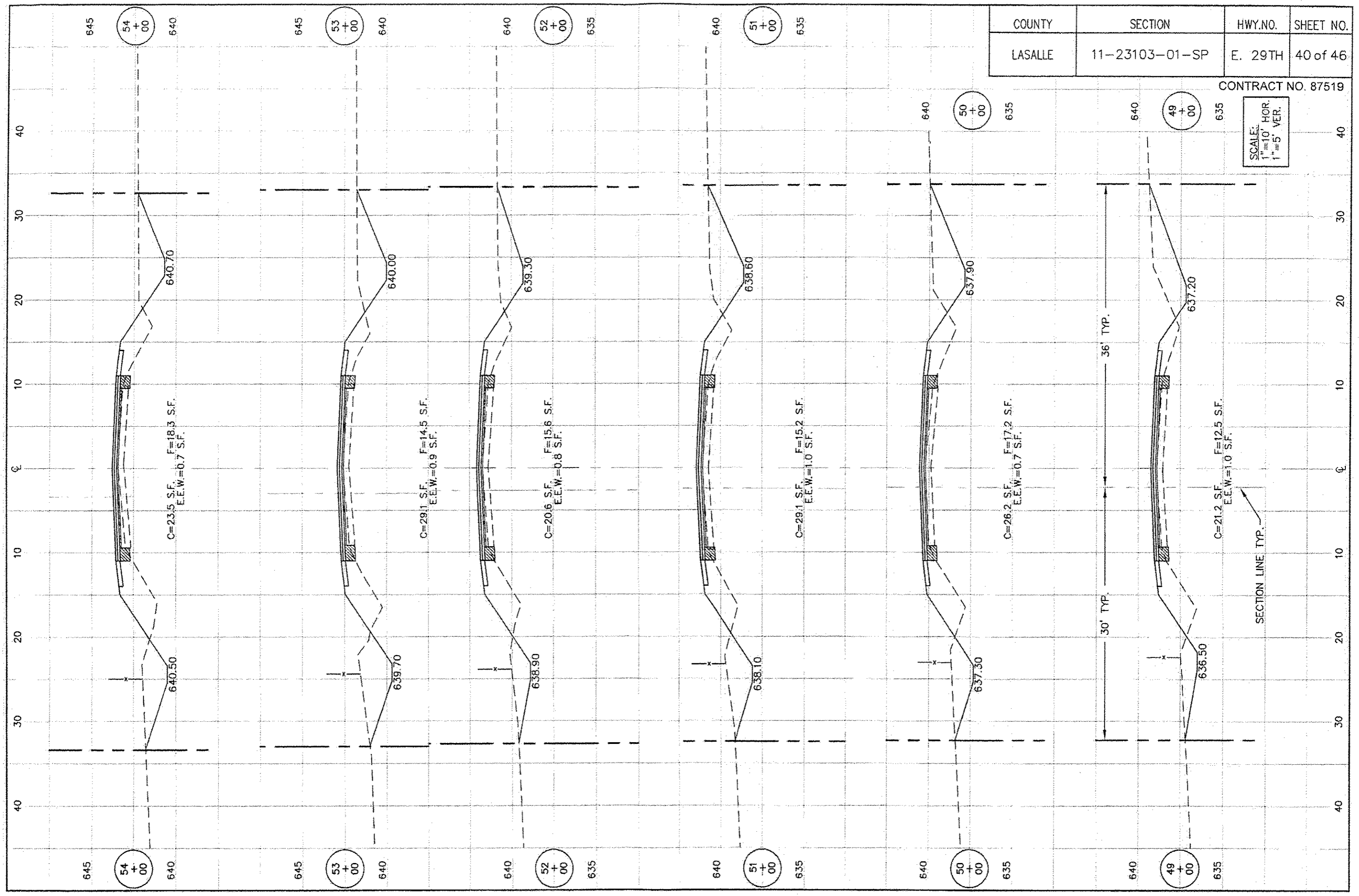
SCALE:
1"=10' HOR.
1"=5' VER.



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	40 of 46

CONTRACT NO. 87519

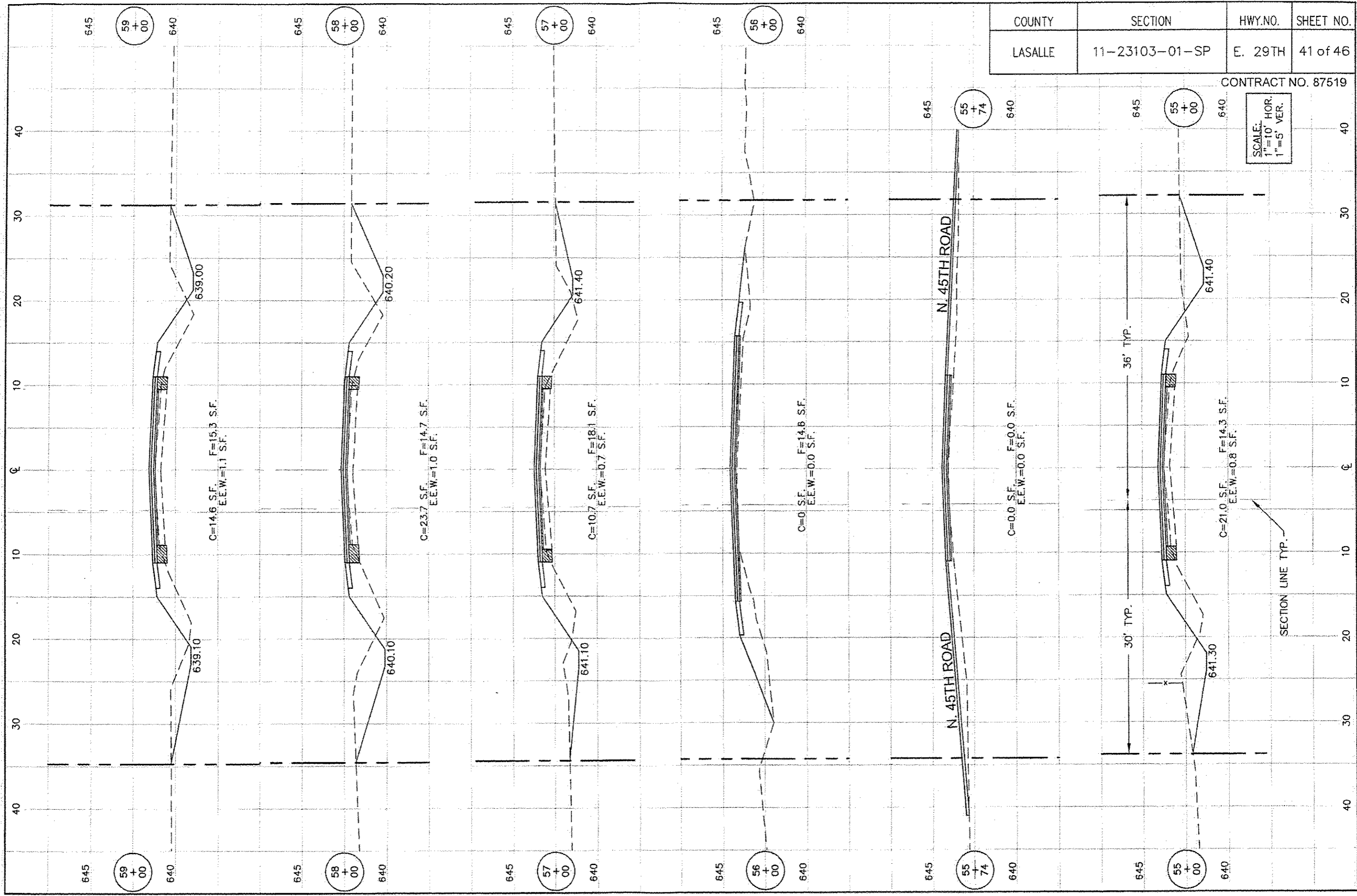
SCALE:
1" = 10' HOR.
1" = 5' VER.



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	41 of 46

CONTRACT NO. 87519

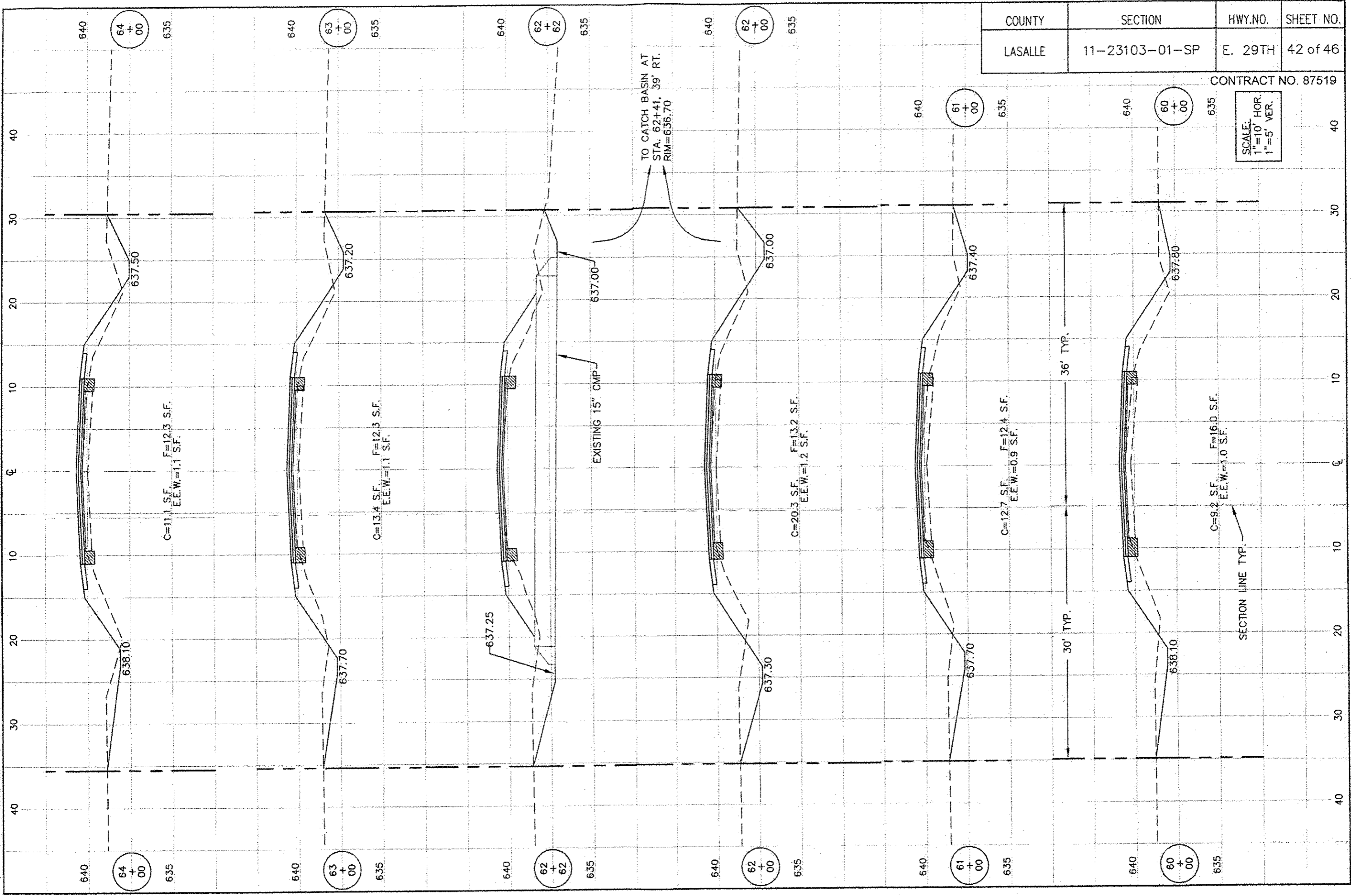
SCALE:
1"=10' HOR.
1"=5' VER.



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	42 of 46

CONTRACT NO. 87519

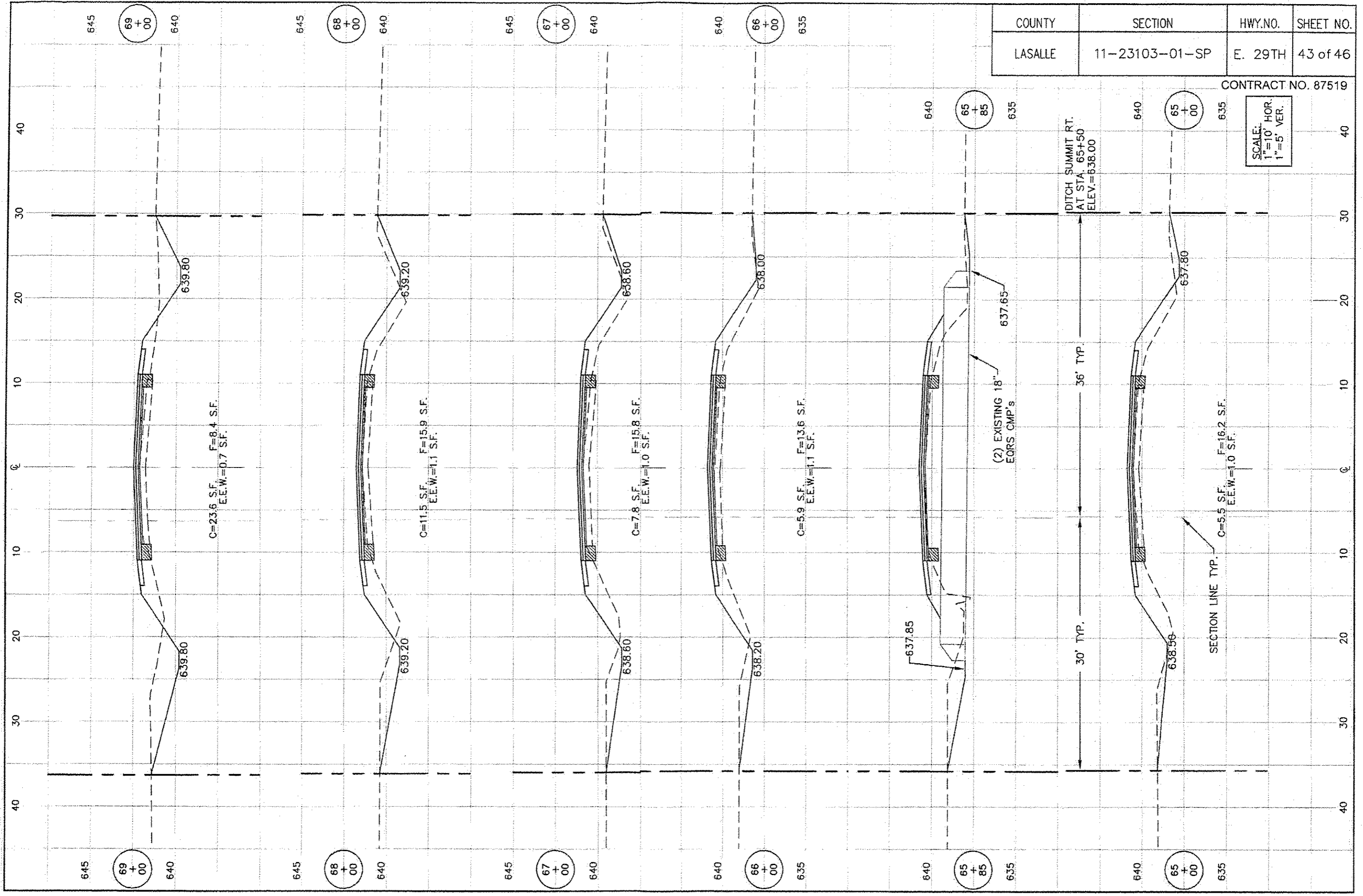
SCALE:
1" = 10' HOR.
1" = 5' VER.



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	43 of 46

CONTRACT NO. 87519

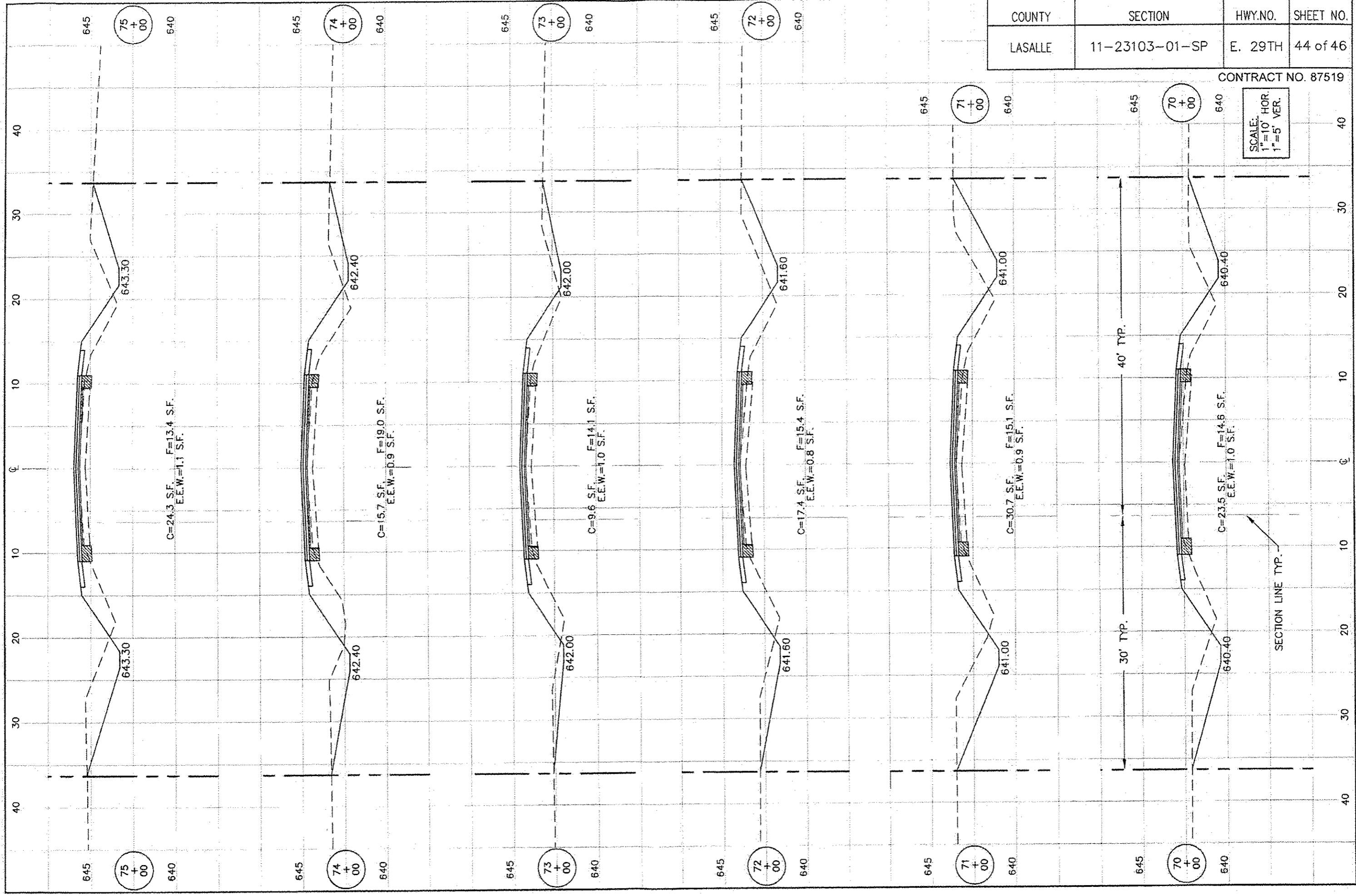
SCALE:
1"=10' HOR.
1"=5' VER.



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	44 of 46

CONTRACT NO. 87519

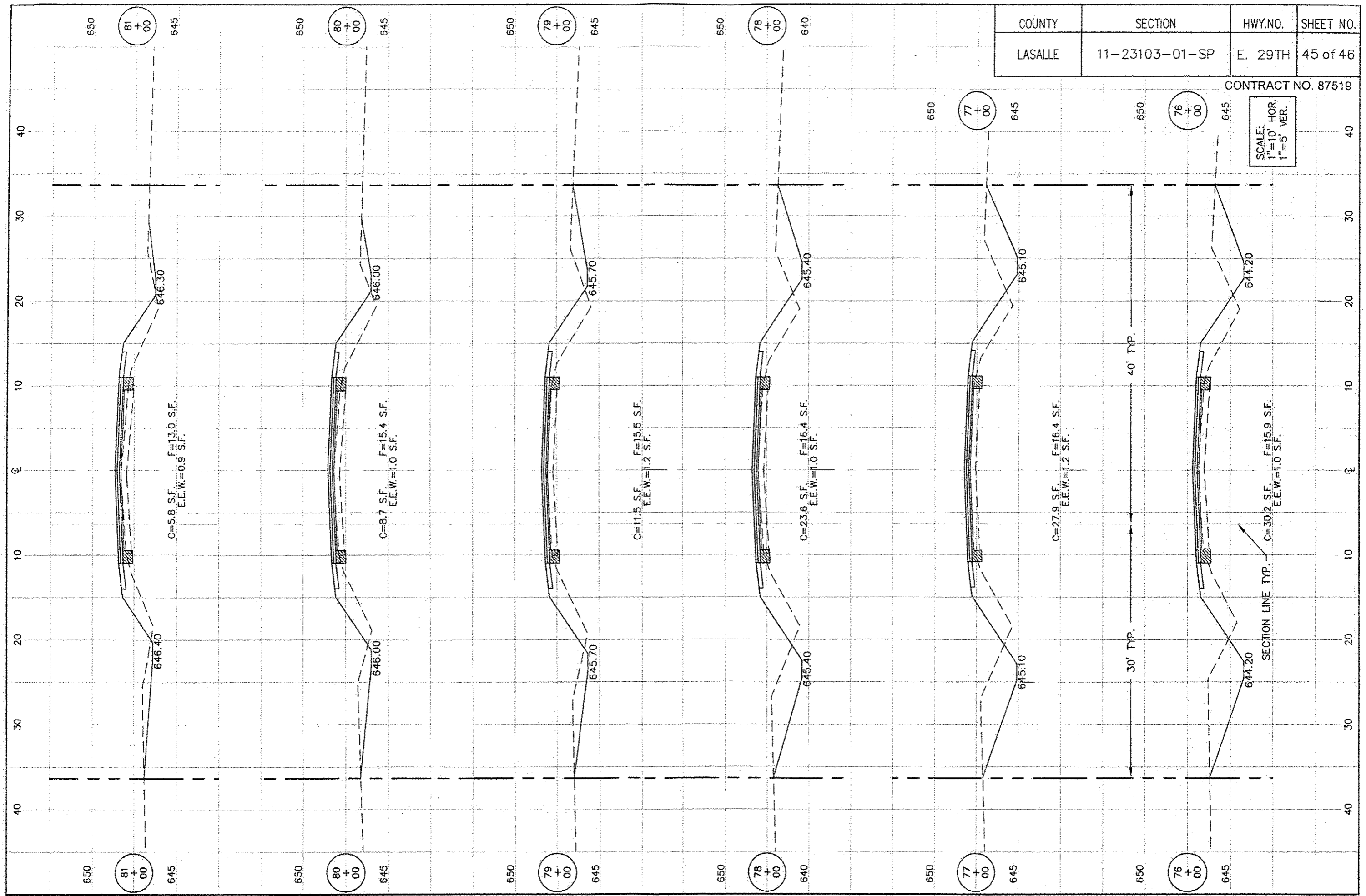
SCALE:
1"=10' HOR.
1"=5' VER.



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	45 of 46

CONTRACT NO. 87519

SCALE:
1"=10' HOR.
1"=5' VER.



COUNTY	SECTION	HWY.NO.	SHEET NO.
LASALLE	11-23103-01-SP	E. 29TH	46 of 46

CONTRACT NO. 87519

SCALE:
1"=10' HOR.
1"=5' VER.

