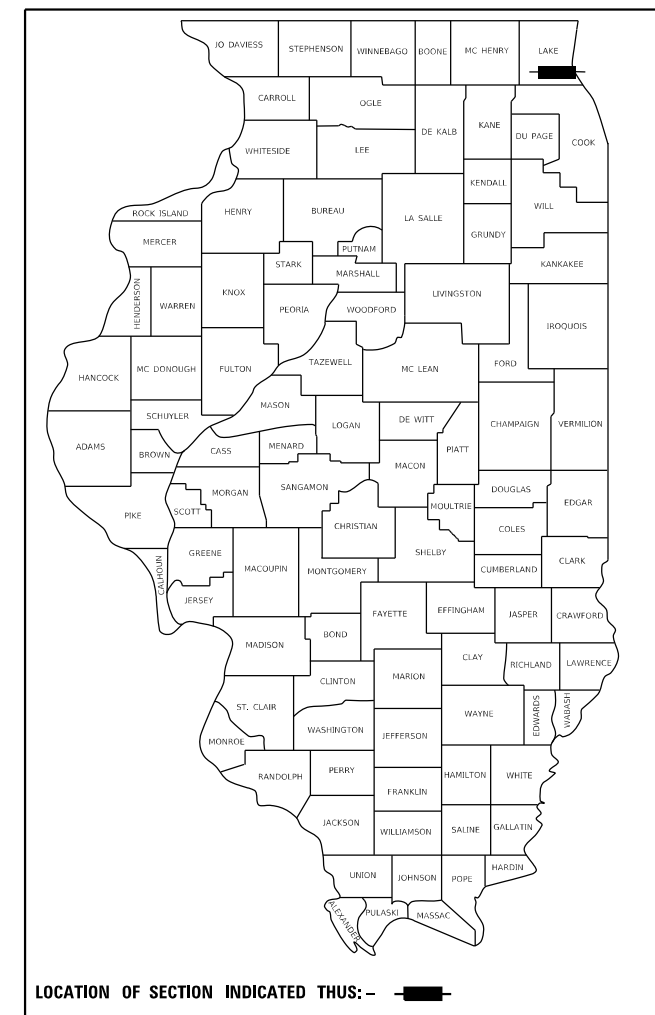


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	1
		ILLINOIS	CONTRACT NO.	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**FAU 1265 (CLAVEY ROAD)
FROM FAP 346 (US 41) TO FAU 2744 (GREEN BAY ROAD)
ROADWAY AND BRIDGE RECONSTRUCTION
SECTION 15-00125-00-PV
PROJECT NO. HWR0(917)
CITY OF HIGHLAND PARK
LAKE COUNTY
C-91-117-16**



LOCATION OF SECTION INDICATED THIS: - [black rectangle] -

INDEX OF SHEETS

SEE SHEET 2 FOR INDEX OF SHEETS

HIGHWAY STANDARDS

SEE SHEET 2 FOR LIST OF HIGHWAY STANDARDS

DISTRICT 1 STANDARDS

SEE SHEET 2 FOR LIST OF DISTRICT 1 STANDARDS

DESIGN DESIGNATION

CLAVEY ROAD:
FUNCTIONAL CLASS = MAJOR COLLECTOR
ADT (2016) = 8,500
DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH

GREEN BAY ROAD:
FUNCTIONAL CLASS = MINOR ARTERIAL
ADT (2016) = 10,200
DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH

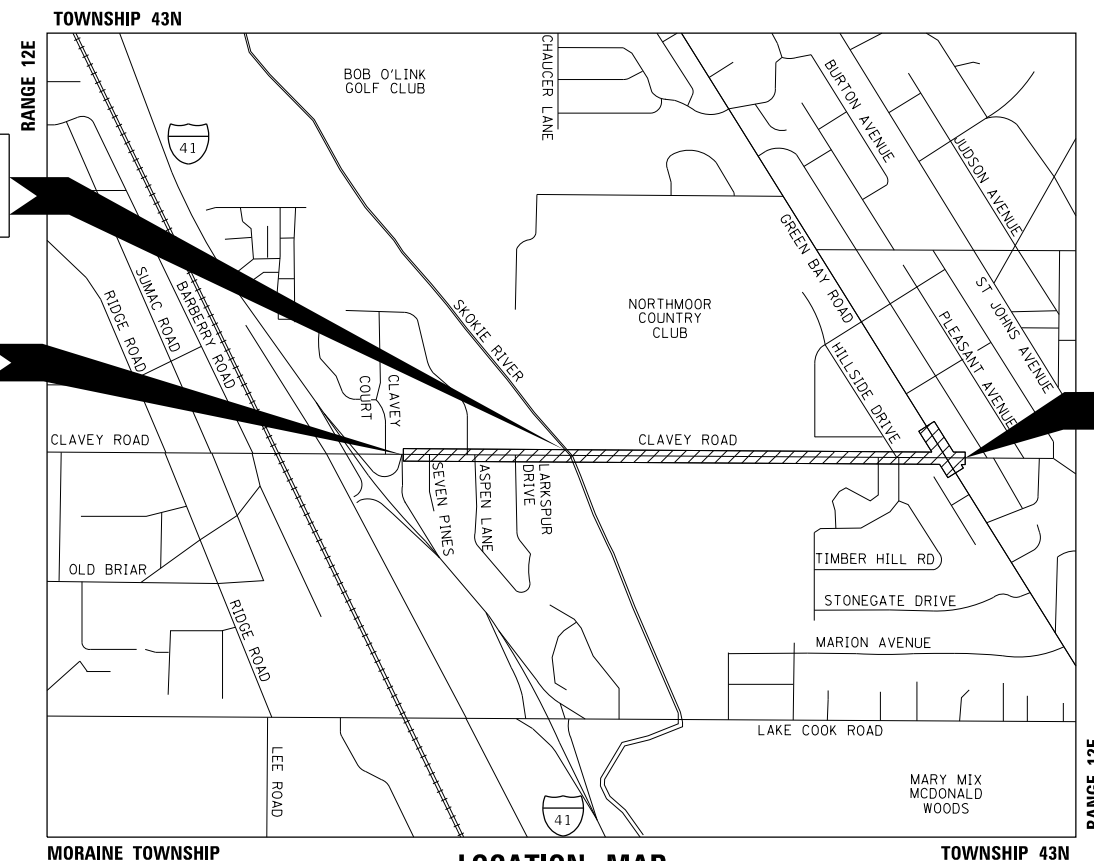
CiorbaGroup
CONSULTING ENGINEERS

DESIGN FIRM REGISTRATION NUMBER: 184-001016
8725 W. Higgins Road, Suite 600 | Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

EX S.N. 049-6586
PR S.N. 049-6585
SINGLE SPAN WIDE FLANGE SUPERSTRUCTURE
ON SEMI - INTEGRAL ABUTMENTS

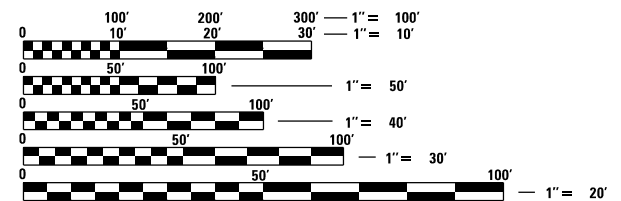
BEGIN PROJECT
STA 13+05.58
FAU 1265 (CLAVEY ROAD)

END PROJECT
STA 70+50.12
FAU 1265 (CLAVEY ROAD)



**LOCATION MAP
(NOT TO SCALE)**

PROJECT LENGTH:
FAU 1265 (CLAVEY ROAD) GROSS LENGTH = 5,744.54 FEET (1.088 MILES)
FAU 1265 (CLAVEY ROAD) NET LENGTH = 5,744.54 FEET (1.088 MILES)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

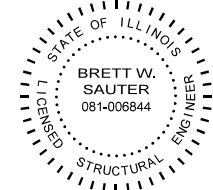
PRELIMINARY PLANS

CONTRACT NO.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED _____	20 _____
CITY OF HIGHLAND PARK, CITY ENGINEER	
PASSED _____	
20 _____	
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS	
RELEASING FOR BID BASED ON LIMITED REVIEW _____	
20 _____	
REGIONAL ENGINEER	



DATE: 2/27/2020
SEAL EXPIRES: 11/30/2021



DATE: 2/27/2020
SEAL EXPIRES: 11/30/2020

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

CONSULTANT ENGINEER: DUANE O'LAUGHLIN, P.E. CIORBA GROUP, INC.
PROGRAM AND OFFICE ENGINEER: CHARLES F RIDDLE, P.E. SCHAUMBURG, IL

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX, STANDARDS, AND GENERAL NOTES
3 - 9	SUMMARY OF QUANTITIES
10 - 16	TYPICAL SECTIONS
17 - 21	ALIGNMENT, TIES, AND BENCHMARKS
22 - 27	EXISTING CONDITIONS AND REMOVAL PLAN
28 - 39	PROPOSED PLAN AND PROFILE
40 - 41	MAINTENANCE OF TRAFFIC GENERAL NOTES AND CONSTRUCTION STAGING
42 - 56	MAINTENANCE OF TRAFFIC
57 - 64	PROPOSED WATER MAIN PLAN AND PROFILE
65 - 74	PROPOSED DRAINAGE PLAN AND PROFILE
75 - 93	DRAINAGE SCHEDULES
94 - 95	TRAFFIC SIGNAL PLANS
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000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
353001-05	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-09	CLASS B PATCHES
515001-01	NAME PLATE FOR BRIDGES
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN - TYPE A
602301-04	INLET - TYPE A
602401-06	PRECAST MANHOLE, TYPE A, 4' (1.22m) DIAMETER
602402-02	PRECAST MANHOLE, TYPE A, 5' (1.52m) DIAMETER
602406-10	PRECAST MANHOLE, TYPE A, 6' (1.83m) DIAMETER
602416-08	PRECAST MANHOLE, TYPE A, 8' (2.44m) DIAMETER
602421-08	PRECAST MANHOLE, TYPE A, 9' (2.74m) DIAMETER
604001-04	FRAME AND LIDS TYPE 1
604036-03	GRATE TYPE 8
604086-03	FRAME AND GRATE TYPE 23
606001-07	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
631031-16	TRAFFIC BARRIER TERMINAL, TYPE 6
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

IDOT DISTRICT 1 STANDARDS

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BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINTS AND HMA TAPER DETAILS
BD-34	DETAILS FOR DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL
BD-37	MANHOLE, TYPE A, 7 FOOT DIAMETER
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

GENERAL NOTES

- ANY REFERENCE TO THE STANDARD SPECIFICATIONS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED APRIL 1, 2016.
- ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES WHICH ARE NOT SPECIFICALLY INDICATED IN THE PLANS SHALL BE PERFORMED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- DRAINAGE STRUCTURE ELEVATIONS: GRADES OF SEWER LINES WERE DETERMINED FROM AVAILABLE PLANS AND SURVEYS. ACCORDINGLY, AS DIRECTED BY THE ENGINEER, THE INVERTS OF THE PROPOSED DRAINAGE WILL BE REVISED TO MEET EXISTING FIELD CONDITIONS.
- THE TOP OF ALL STRUCTURES SHALL BE FLUSH WITH THE ADJACENT SURFACE OR AT THE INDICATED ELEVATIONS SHOWN ON THE PLANS.
- FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.
- THE CAST IRON FRAMES AND COVERS OF FILLED, ABANDONED OR REMOVED MANHOLES, INLETS AND CATCH BASINS OR THOSE FRAMES AND COVERS UPON STRUCTURES RECEIVING NEW FRAMES AND COVERS SHALL BE STOCKPILED WITHIN THE RIGHT-OF-WAY, AS DIRECTED BY THE ENGINEER, AND DELIVERED TO CITY PUBLIC WORKS FACILITY.
- THE APPROXIMATE LOCATION OF KNOWN PUBLIC UTILITIES ARE SHOWN ON THE PLANS. HOWEVER, THE CITY DOES NOT GUARANTEE ITS ACCURACY. PRIOR TO COMMENCING OPERATIONS ON THE PROJECT WHICH MAY IN ANY WAY CREATE THE POSSIBILITY OF INVOLVEMENT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL CONTACT THE UTILITY INVOLVED. ADJUSTMENT OF ALL PUBLIC UTILITIES WITHIN THE LIMITS OF IMPROVEMENT WILL BE DONE BY THE RESPECTIVE OWNERS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCE CAUSED BY THESE ADJUSTMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATION BEFORE STARTING CONSTRUCTION OPERATIONS.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED WITH A THICKNESS EQUAL TO NINE INCHES.
- THE CONTRACTOR SHALL PROTECT ALL TREES WITHIN AND ADJACENT TO THE CONSTRUCTION SITE DURING THE CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS IN ACCORDANCE WITH THE CITY OF HIGHLAND PARK SPECIAL PROVISION FOR TREE PROTECTION. THOSE TREES TO BE REMOVED AS SHOWN IN THE PLANS SHALL BE DONE IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE CITY.
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED. (ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL WITH FLASHING LIGHTS).
- ALL HMA PAVING SHALL FOLLOW DESIGNATED DRIVING LANES. NO LONGITUDINAL PAVING JOINT OR SEAMS ARE ALLOWED WITHIN THE DRIVING LANES. ALL LONGITUDINAL PAVING JOINTS OR SEAMS WILL BE BETWEEN THE DRIVING LANES.
- CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS ADOPTED APRIL 1, 2016, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS THROUGHOUT THE RECONSTRUCTION LIMITS AT ALL TIMES. IF DRIVEWAY ACCESS MUST BE RESTRICTED, THE CONTRACTOR SHALL NOTIFY THE CITY AND OWNER IN WRITING 72 HOURS IN ADVANCE.
- TRENCH SPOIL SHALL BE LOADED DIRECTLY INTO TRUCKS AS IT IS EXCAVATED AND HAULED OFF SITE. PLACING EXCAVATED TRENCH SOIL ON THE PAVEMENT OR PARKWAY IS PROHIBITED.
- ALL LEAD WATER SERVICES ENCOUNTERED SHALL BE REPLACED WITH TYPE K COPPER PIPE FROM THE WATER METER TO THE WATER MAIN.
- THE CONSTRUCTION OF WATER MAINS, INCLUDING PROTECTION FROM SEWERS, PRESSURE TESTING AND DISINFECTION SHALL BE ACCORDING TO THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
- LOCATION, STATION, OFFSET, AND RIM ELEVATIONS FOR OPEN GRATE STRUCTURES IN THE ROAD ARE MEASURED AT THE EDGE OF PAVEMENT. LOCATION, STATION, OFFSET, AND RIM ELEVATIONS FOR WATER VALVE STRUCTURES, CLOSED LID DRAINAGE STRUCTURES, OR OPEN GRATE STRUCTURES BEHIND THE CURB ARE MEASURED TO THE CENTER OF THE STRUCTURE ON THE PLANS.
- HMA AND PCC DRIVEWAYS SHALL BE CONSTRUCTED WITH FLARES ACCORDING TO THE HIGHLAND PARK TYPICAL DRIVEWAY AND SIDEWALK DETAIL. BRICK PAVER DRIVES SHALL BE CONSTRUCTED TO MATCH EXISTING LAYOUT.

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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
INDEX, STANDARDS, AND GENERAL NOTES**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	2
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	588
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	207
20200100	EARTH EXCAVATION	CU YD	16,089
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3,025
20800150	TRENCH BACKFILL	CU YD	11,700
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	23,168
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	231
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	17,391
25100630	EROSION CONTROL BLANKET	SQ YD	17,391
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	360
28100113	STONE RIPRAP, CLASS A7	SQ YD	766
28200200	FILTER FABRIC	SQ YD	766
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	715
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	21,340

CODE NO.	ITEM	UNIT	TOTAL
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	4,203
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,176
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	110
35501300	HOT-MIX ASPHALT BASE COURSE, 4"	SQ YD	128
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	14,517
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	34
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	5,907
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	103
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	990
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2,178
42000060	WELDED WIRE REINFORCEMENT	SQ YD	217
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	388
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	283
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7,631

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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET NO. 1 OF 7 SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 3
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL
42400800	DETECTABLE WARNINGS	SQ FT	439
44000100	PAVEMENT REMOVAL	SQ YD	16,855
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2,404
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	884
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	12,662
44000600	SIDEWALK REMOVAL	SQ FT	30,592
44002208	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2"	SQ YD	354
44200929	CLASS B PATCHES, TYPE I, 8 INCH	SQ YD	30
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	154
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SQ YD	94
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	123
44201298	DOWEL BARS 1 1/4"	EACH	546
44213200	SAW CUTS	FOOT	867
44213204	TIE BARS 3/4"	EACH	560

CODE NO.	ITEM	UNIT	TOTAL
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50104400	CONCRETE HEADWALL REMOVAL	EACH	2
50157300	PROTECTIVE SHIELD	SQ YD	296
50200100	STRUCTURE EXCAVATION	CU YD	1,322
50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	2
50300225	CONCRETE STRUCTURES	CU YD	439
50300255	CONCRETE SUPERSTRUCTURE	CU YD	178
50300260	BRIDGE DECK GROOVING	SQ YD	364
50300285	FORM LINER TEXTURED SURFACE	SQ FT	1,286
50300300	PROTECTIVE COAT	SQ YD	589
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	121
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1
50500505	STUD SHEAR CONNECTORS	EACH	1,536
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	162,700



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CITY OF
HIGHLAND PARK

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 2 OF 7 SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 4
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL
50800515	BAR SPLICERS	EACH	666
50901720	BICYCLE RAILING	FOOT	102
50901750	PARAPET RAILING	FOOT	126
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	4,390
51202305	DRIVING PILES	FOOT	4,390
51203200	TEST PILE METAL SHELLS	EACH	4
51500100	NAME PLATES	EACH	1
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	8
52100520	ANCHOR BOLTS, 1"	EACH	16
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	910
52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	311
54213471	END SECTIONS 36"	EACH	1
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	108

CODE NO.	ITEM	UNIT	TOTAL
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	4,504
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	371
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	183
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	229
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	526
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	52
550A0500	STORM SEWERS, CLASS A, TYPE 2 60"	FOOT	530
550A0520	STORM SEWERS, CLASS A, TYPE 2 72"	FOOT	479
550A0540	STORM SEWERS, CLASS A, TYPE 2 84"	FOOT	96
550A2640	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 60"	FOOT	172
550A2660	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 72"	FOOT	64
550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	FOOT	55
55100200	STORM SEWER REMOVAL 6"	FOOT	55
55100300	STORM SEWER REMOVAL 8"	FOOT	328

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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET NO. 3 OF 7 SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 5
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL
55100400	STORM SEWER REMOVAL 10"	FOOT	441
55100500	STORM SEWER REMOVAL 12"	FOOT	1,411
55100700	STORM SEWER REMOVAL 15"	FOOT	627
55100900	STORM SEWER REMOVAL 18"	FOOT	450
55101200	STORM SEWER REMOVAL 24"	FOOT	217
55101400	STORM SEWER REMOVAL 30"	FOOT	850
55101800	STORM SEWER REMOVAL 42"	FOOT	56
55101900	STORM SEWER REMOVAL 48"	FOOT	985
55102500	STORM SEWER REMOVAL 84"	FOOT	520
56100600	WATER MAIN 6"	FOOT	149
56100700	WATER MAIN 8"	FOOT	3,977
56109210	WATER VALVES TO BE ADJUSTED	EACH	8
56400500	FIRE HYDRANTS TO BE REMOVED	EACH	3
56500300	DOMESTIC METER VAULTS TO BE ADJUSTED	EACH	3

CODE NO.	ITEM	UNIT	TOTAL
56500400	DOMESTIC METER VAULTS TO BE REMOVED	EACH	3
56500500	DOMESTIC METER VAULTS	EACH	3
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	263
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	230
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1
60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	10,341
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	110
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	8
60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	16
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	20
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	16
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1

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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET NO. 4 OF 7 SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 6
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL
60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	16
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	200
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	151
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	10
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	12,350
60500040	REMOVING MANHOLES	EACH	13
60500050	REMOVING CATCH BASINS	EACH	21
60500060	REMOVING INLETS	EACH	21
63000035	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	200
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	555
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24
67100100	MOBILIZATION	L SUM	1

CODE NO.	ITEM	UNIT	TOTAL
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,099
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	363
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	230
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	32,320
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	600
70400100	TEMPORARY CONCRETE BARRIER	FOOT	4,550
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	4,437.5
70600235	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	4
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	27
70600320	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	3
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	20
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	163
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12,502
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,485

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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET NO. 5 OF 7 SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 7
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,060
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	186
78008210	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	FOOT	252
89000050	TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION	EACH	1
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2
X0322719	TEMPORARY DRAINAGE CONNECTION	EACH	39
X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	3
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	2
X0322918	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	10
X0324636	WATER VALVE BOXES TO BE ABANDONED	EACH	3
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	653
X0327694	GATE VALVE 8" WITH VAULT, 4' DIAMETER	EACH	3
X1200024	INTERIM TYPE 1 FRAME AND GRATE	EACH	141
X2200003	FENCE (SPECIAL)	FOOT	196

CODE NO.	ITEM	UNIT	TOTAL
X2520700	SODDING, SPECIAL	SQ YD	17,391
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	29
X4023000	TEMPORARY ACCESS (ROAD)	EACH	8
X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	14,358
X4402805	ISLAND REMOVAL	SQ FT	618
X5030290	STAINING CONCRETE STRUCTURES	SQ FT	1,286
X5610658	WATER MAIN TO BE ABANDONED, 8"	FOOT	4,106
X5610706	WATER MAIN REMOVAL, 6"	FOOT	110
X5610708	WATER MAIN REMOVAL, 8"	FOOT	7
X5620116	WATER SERVICE CONNECTION (SHORT)	EACH	3
X5640175	FIRE HYDRANT COMPLETE	EACH	11
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	8
X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	8
X6026622	VALVE VAULTS TO BE REMOVED	EACH	7

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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET NO. 6 OF 7 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	8
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	80
X6640210	TEMPORARY CHAIN LINK FENCE (PORTABLE)	FOOT	5,300
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	6,500
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	2,157
X8140115	HANDHOLE TO BE ADJUSTED	EACH	5
XX003516	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 8"	EACH	1
XX003517	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 6"	EACH	8
XX003668	PRECONSTRUCTION VIDEO TAPING	L SUM	1
XX007558	GATE VALVE 6" WITH VAULT, 4' DIAMETER	EACH	8
XX007968	PVC CASING PIPE 12"	FOOT	46
XX008956	STEEL CASING PIPE, BORED AND JACKED, 20"	FOOT	184
XX009157	WATER MAIN 8" (SPECIAL)	FOOT	184
Z0004552	APPROACH SLAB REMOVAL	SQ YD	108

CODE NO.	ITEM	UNIT	TOTAL
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	201
Z0045451	PRESSURE CONNECTION 16" WITH VAULT, 5' DIAMETER	EACH	1
Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	1,818
Z0056669	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	FOOT	66
Z0056670	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"	FOOT	855
Z0056672	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	FOOT	374
Z0056675	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 30"	FOOT	478
Z0056678	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 36"	FOOT	379
Z0062456	TEMPORARY PAVEMENT	SQ YD	14,358
Z0076870	UNDERDRAIN CONNECTION TO STRUCTURE	EACH	39
	TRAFFIC SIGNAL MODIFICATION - US 41 RAMPS	EA	1
	TRAFFIC SIGNAL, COMPLETE - GREEN BAY RD	EA	1
	TREE REPLACEMENT, 2.5" CALIPER	EACH	300

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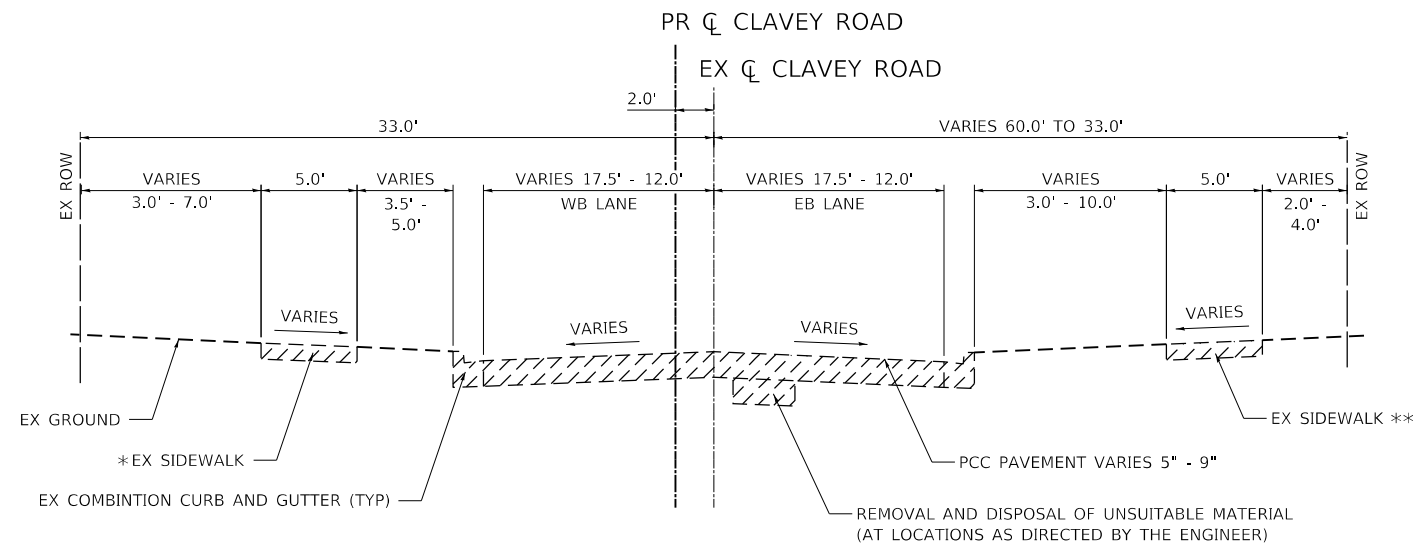
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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET NO. 7 OF 7 SHEETS STA. TO STA.

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CONTRACT NO.			ILLINOIS FED. AID PROJECT	



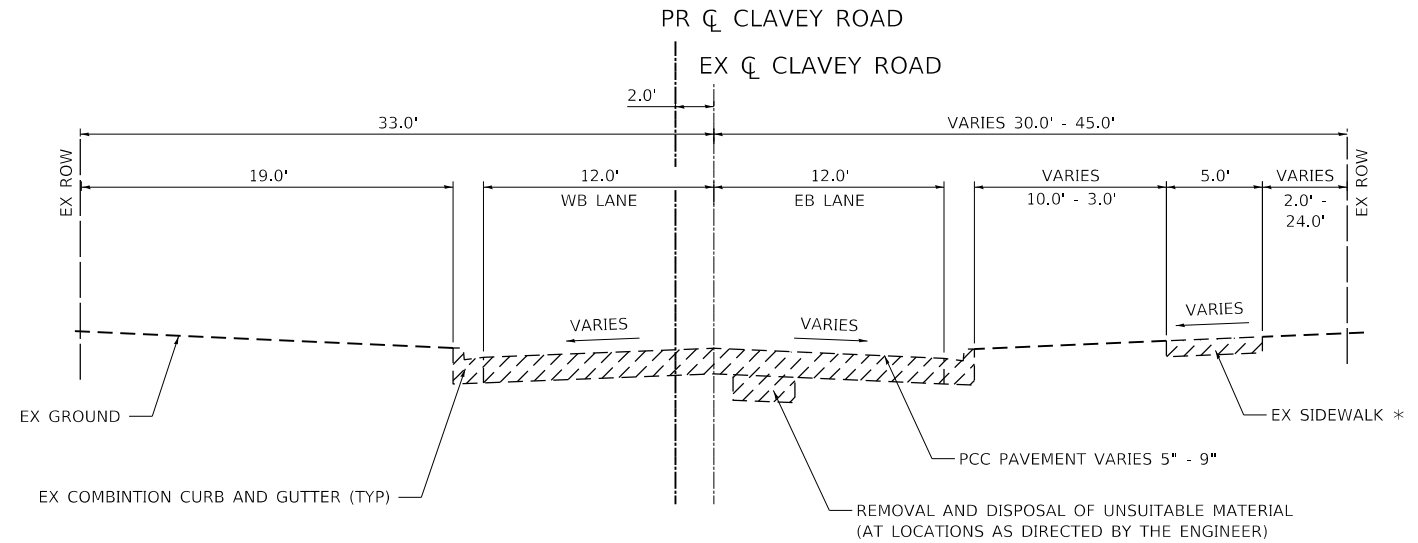
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STA 13+05.58 TO STA 19+24.63

* STA 13+05.58 TO STA 19+23.96 LT

** STA 13+36.51 - STA 19+24.63 RT

LEGEND

REMOVALS



CLAVEY ROAD

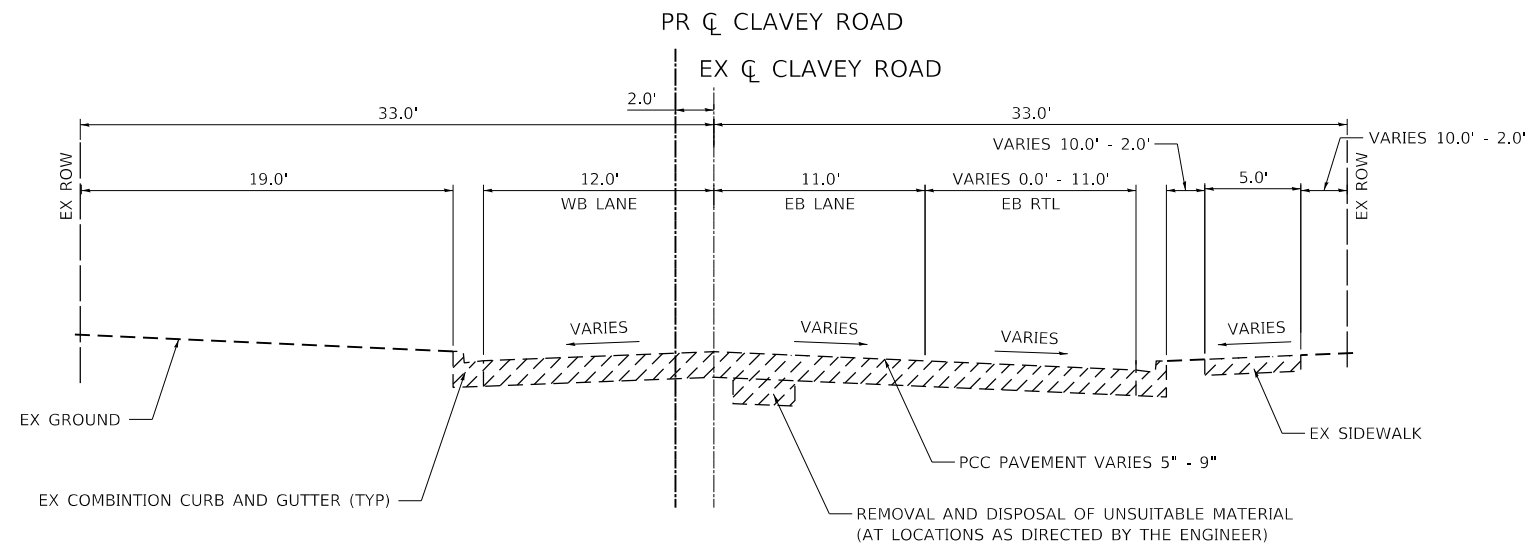
STA 19+24.63 TO STA 28+91.63
STA 28+91.63 TO STA 29+97.95 (BRIDGE OMISSION)
STA 29+97.95 TO 64+50.24

* STA 19+24.63 - STA 28+96.99 RT
STA 29+92.40 - STA 64+50.24 RT

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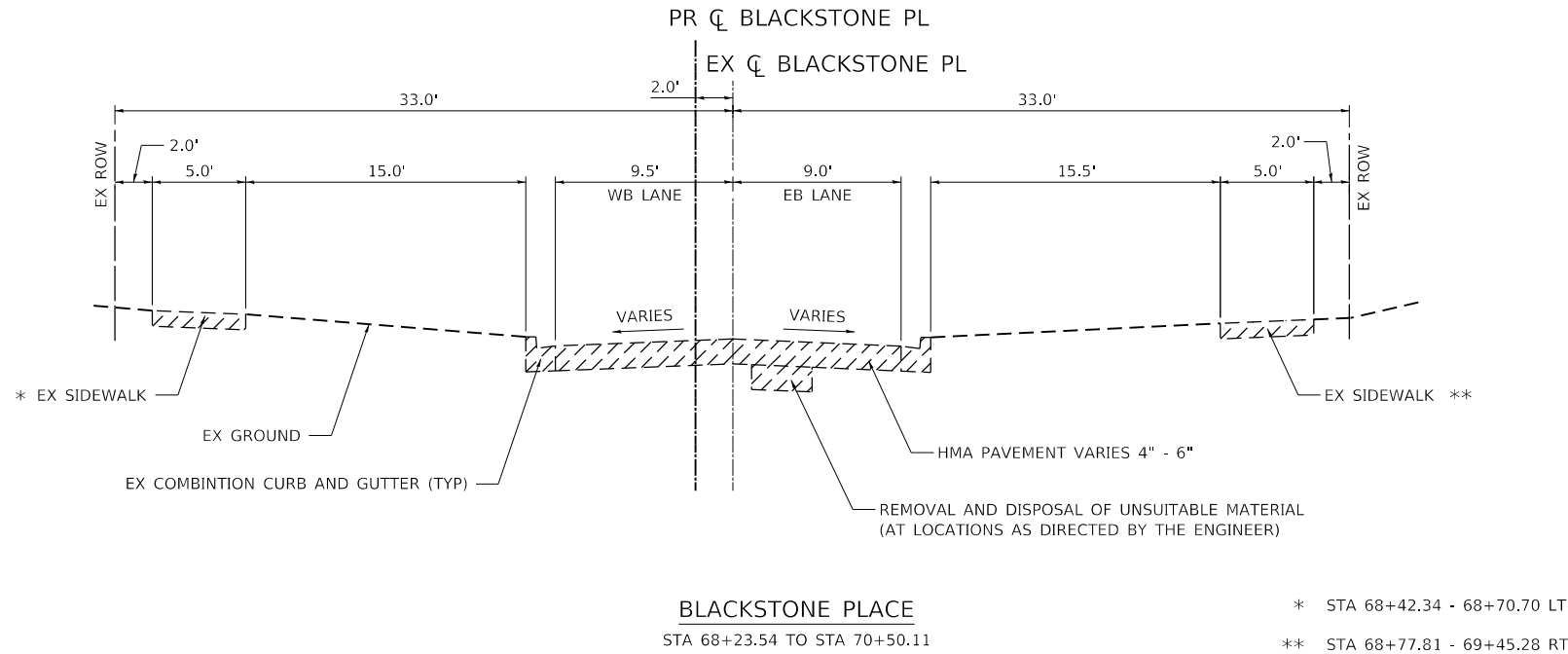
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1265	15-00125-00-PV	LAKE	153	10
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



CLAVEY ROAD
STA 64+50.24 TO STA 68+23.54

LEGEND

REMOVALS



BLACKSTONE PLACE
STA 68+23.54 TO STA 70+50.11

* STA 68+42.34 - 68+70.70 LT
** STA 68+77.81 - 69+45.28 RT

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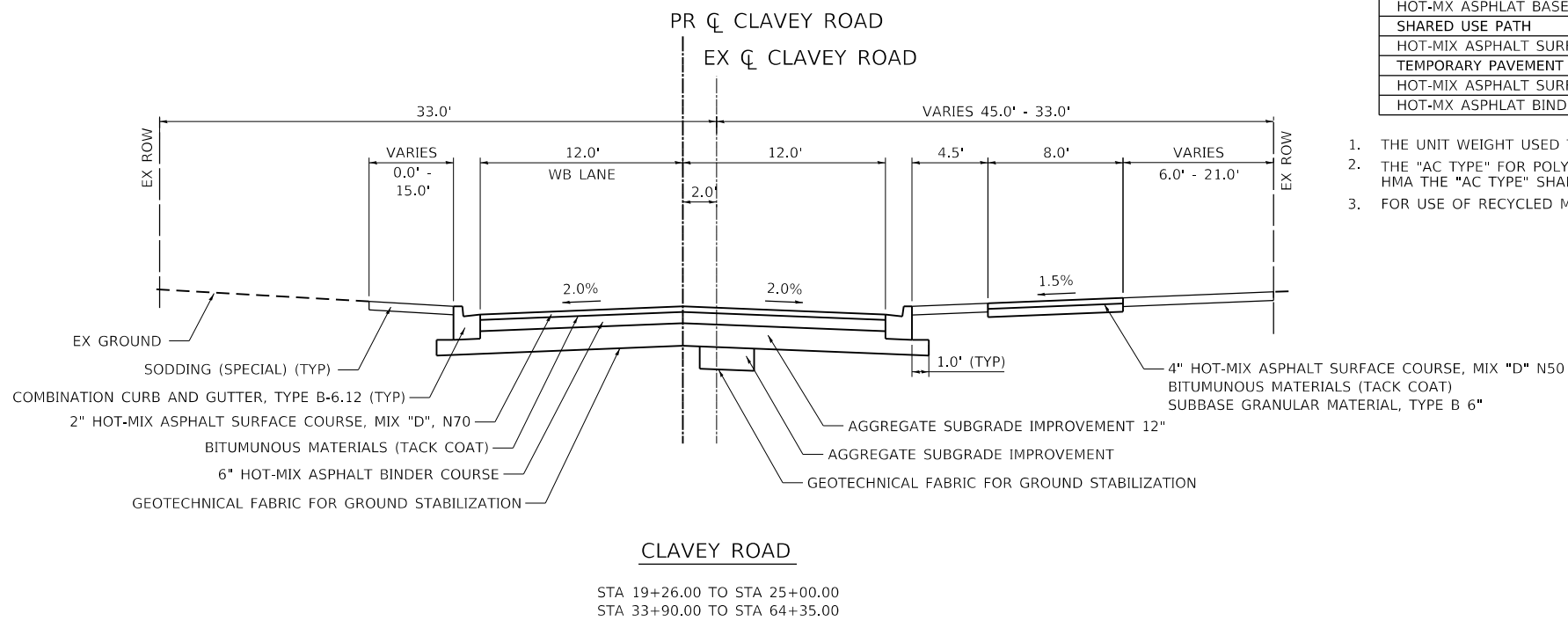
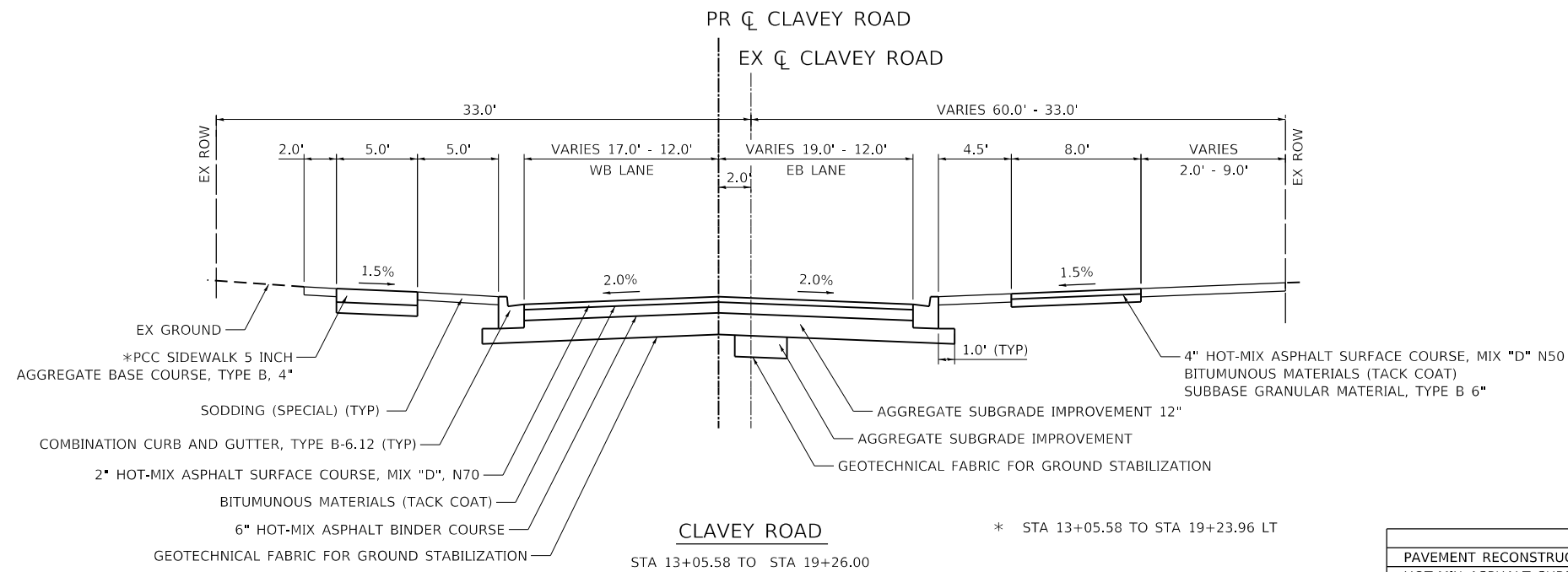
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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
EXISTING TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	11
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



MIXTURE TYPE	PERCENT AIR
PAVEMENT RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70; 6"	4% @ 70 GYR.
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE "D", IL-9.5, N70; 1 1/2"	4% @ 70 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 3/4"	3.5% @ 50 GYR.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; PE - 3", CE - 2"	4% @ 50 GYR.
HOT-MX ASPHALT BASE COURSE; CE - 4"	4% @ 50 GYR.
SHARED USE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 4"	4% @ 50 GYR.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% @ 70 GYR.
HOT-MX ASPHALT BINDER COURSE, IL-9.5, N70; 6"	4% @ 70 GYR.

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

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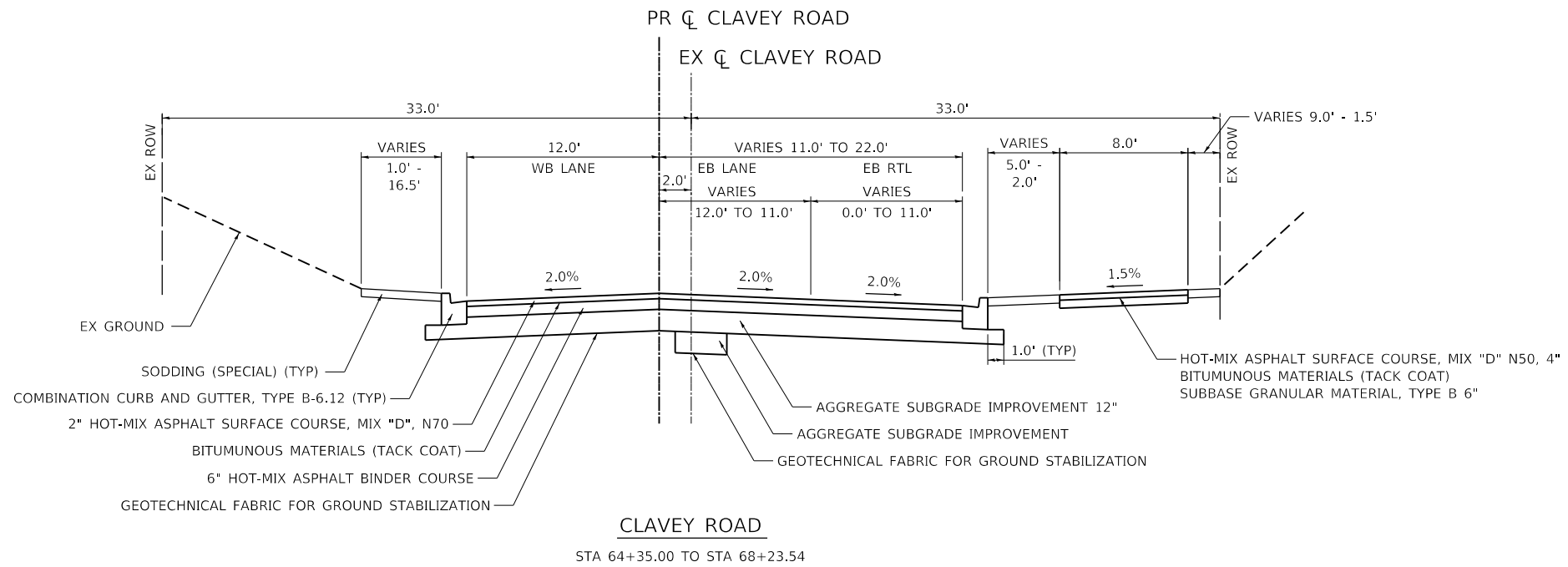
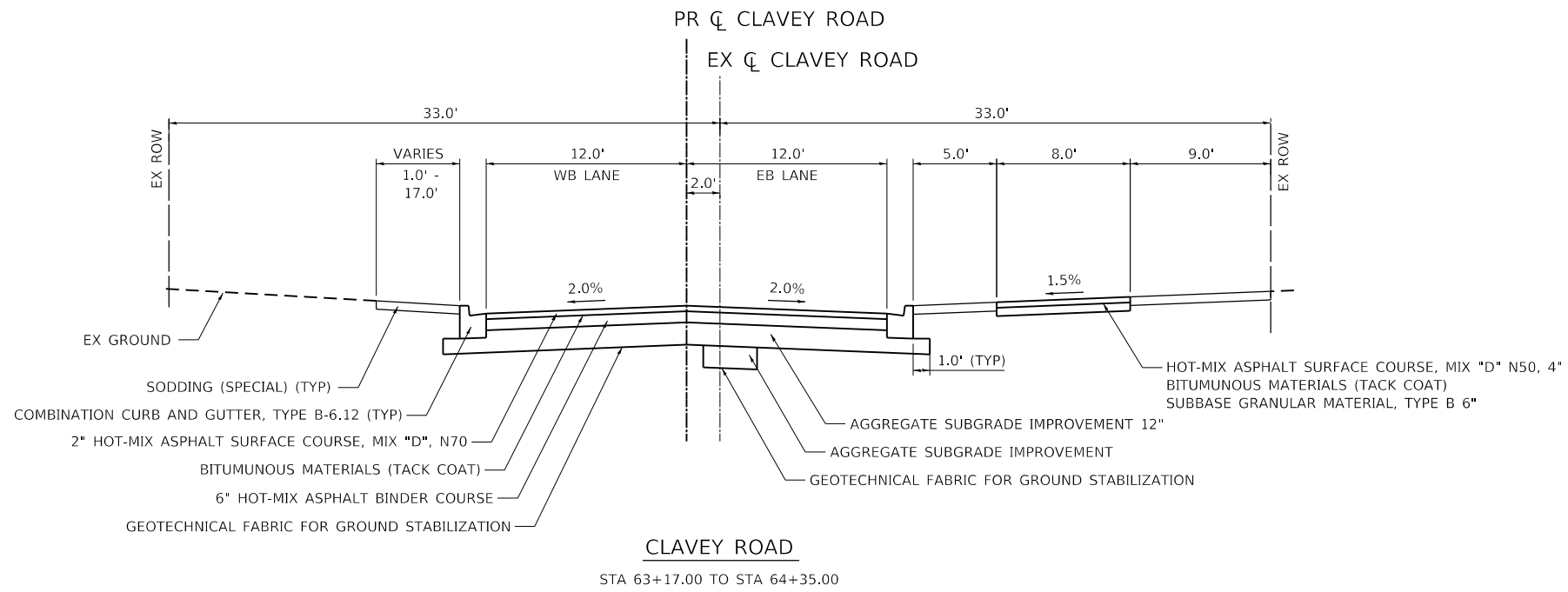
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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	13
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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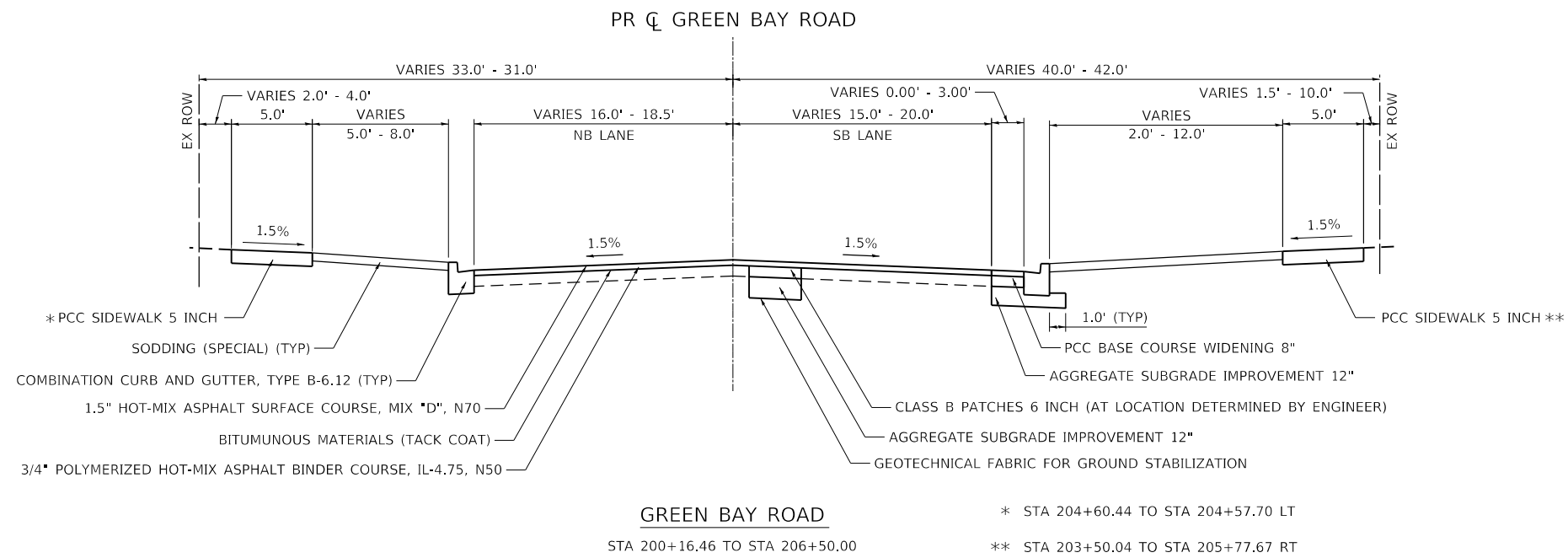
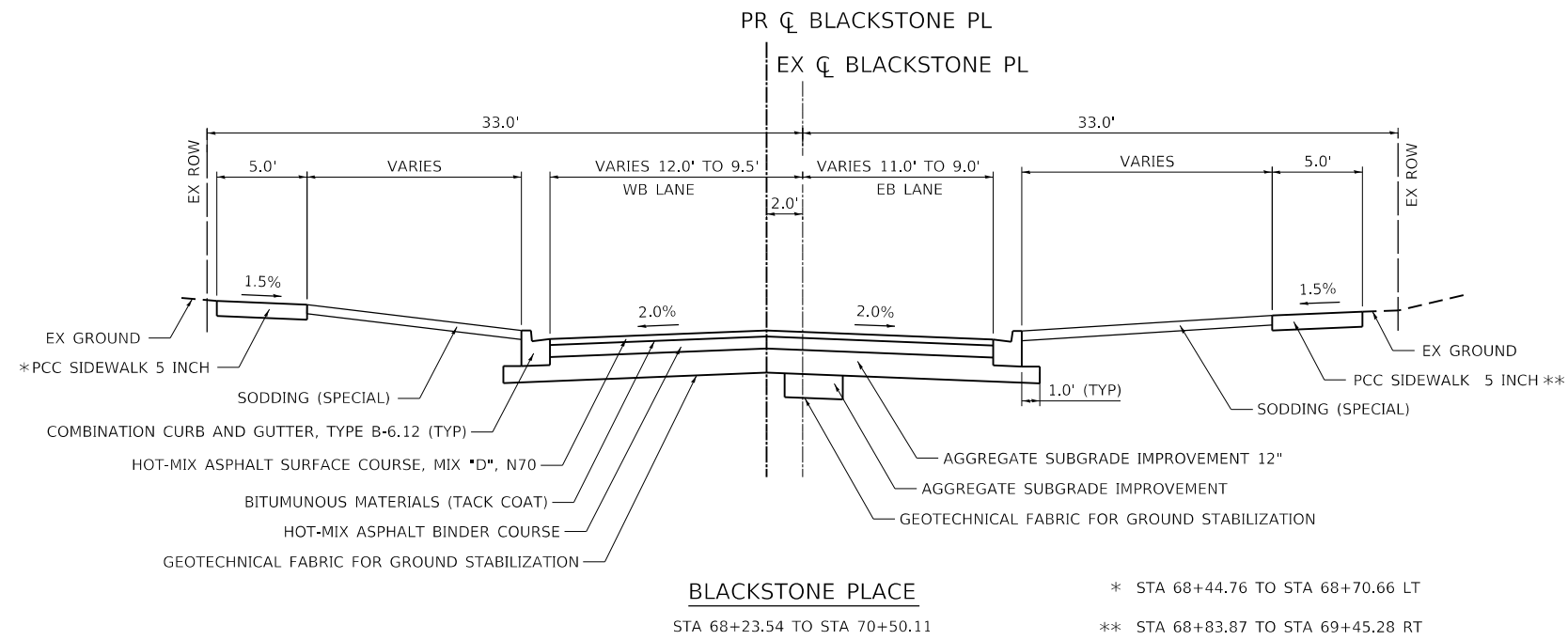
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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 3 OF 4 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	15
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 4 OF 4 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	16
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

PROJECT COORDINATES

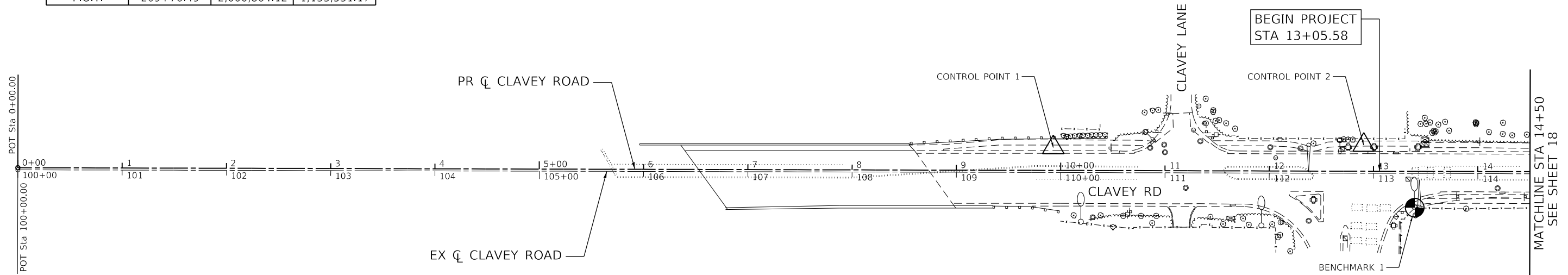
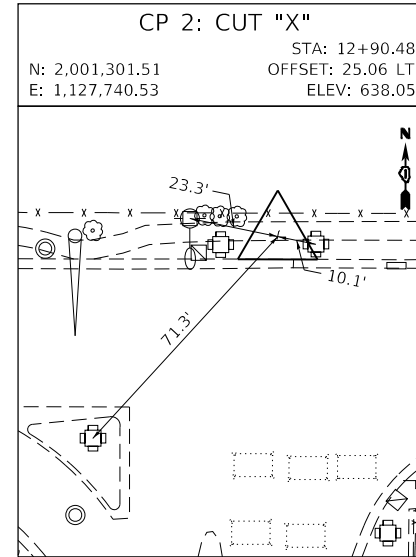
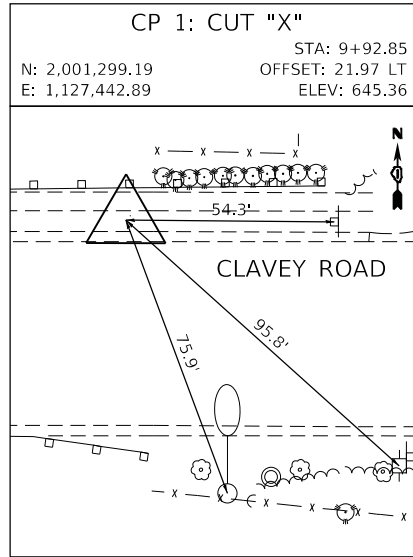
CLAVEY ROAD - PROPOSED ALIGNMENT			
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P.O.T.	0+00.00	2,001,279.81	1,126,499.99
P.I.	52+87.05	2,001,266.05	1,131,737.01
P.O.T.	72+73.39	2,001,270.06	1,133,723.35

PROJECT COORDINATES

CLAVEY ROAD - EXISTING ALIGNMENT			
DESCRIPTION	STATION	NORTHING	EASTING
P.O.T.	100+00.00	2,001,277.81	1,126,499.98
P.I.	152+87.05	2,001,264.05	1,131,737.01
P.O.T.	172+73.40	2,001,268.06	1,133,723.36

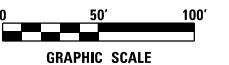
PROJECT COORDINATES

GREEN BAY ROAD - EXISTING ALIGNMENT			
DESCRIPTION	STATION	NORTHING	EASTING
P.O.T.	200+00.00	2,001,688.01	1,133,007.03
P.O.T.	204+96.44	2,001,478.58	1,133,140.26
P.O.T.	209+76.49	2,000,864.12	1,133,531.17



PROJECT BENCHMARKS

CLAVEY ROAD				
PT #	STATION	OFFSET	ELEV	DESCRIPTION
BM1	13+39.61	32.82 RT	638.22	CROSS CUT IN CONCRETE BASE OF TRAFFIC SIGNAL WITH MAST ARM LOCATED ALONG THE SOUTH SIDE OF CLAVEY ROAD, EAST OF US 41 RAMP.
BM2	23+39.70	29.79 LT	634.07	SPIKE NAIL SET IN SOUTH FACE OF POWER POLE WITH LUMINARE ALONG THE NORTH SIDE OF CLAVEY ROAD, EAST OF DRIVEWAY FOR 1261 CLAVEY ROAD, WEST OF LARKSPUR DRIVE.
BM3	35+43.38	22.80 LT	635.07	SPIKE NAIL SET IN SOUTH FACE OF POWER POLE WITH LUMINARE ALONG THE NORTH SIDE OF CLAVEY ROAD, BETWEEN THE TWO ENTRANCES FOR THE PADDLE TENNIS COURTS.
BM4	54+23.91	21.50 LT	649.04	SPIKE NAIL SET IN SOUTH FACE OF POWER POLE WITH LUMINARE ALONG THE NORTH SIDE OF CLAVEY ROAD, 2ND POWER POLE WEST OF WESTERN ENTRANCE TO GEORGE LUTZ FAMILY CENTER.
BM5	68+32.58	72.48 RT	688.51	SPIKE NAIL SET IN EAST FACE OF POWER POLE AT THE SOUTHWEST CORNER OF CLAVEY ROAD AND GREEN BAY ROAD.



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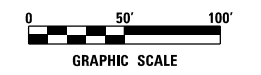
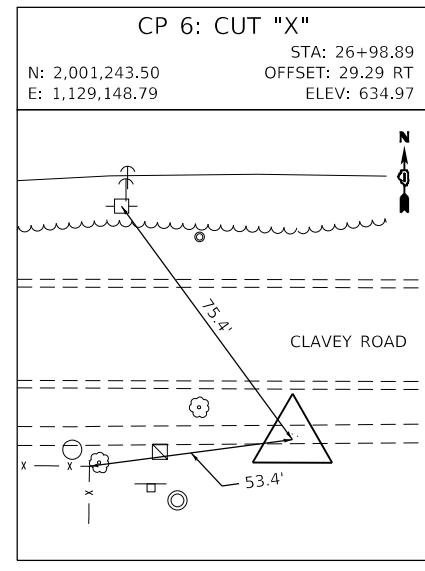
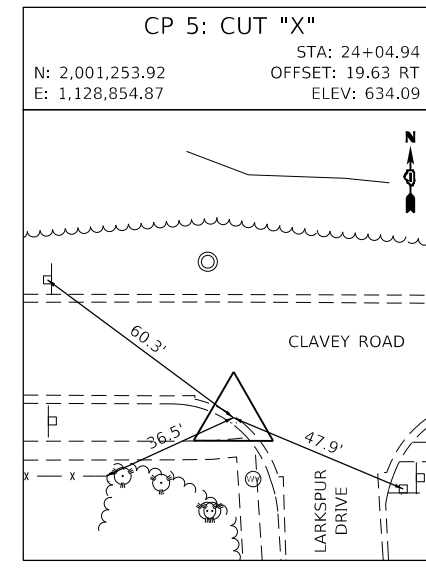
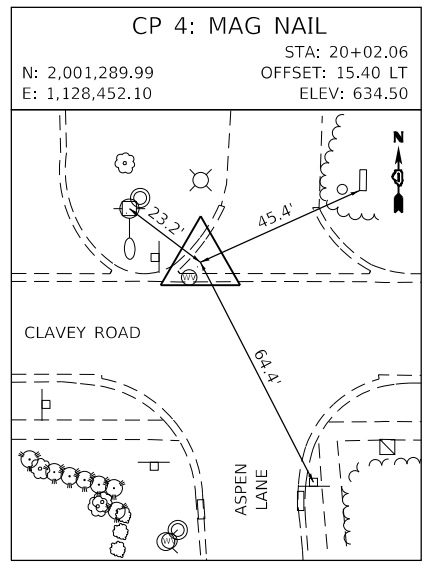
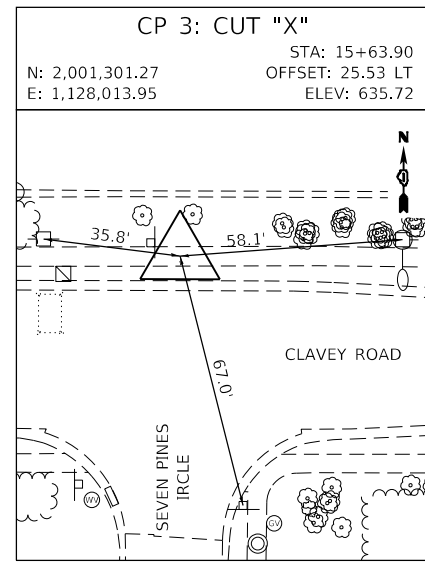
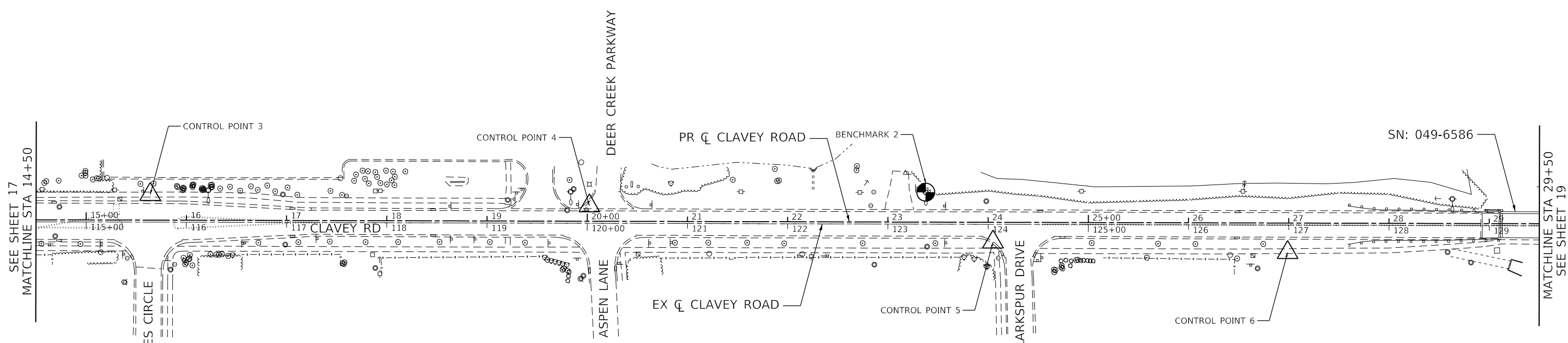
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	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: 1" = 50' SHEET NO. 1 OF 5 SHEETS STA. 00+00.00 TO STA. 14+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	17
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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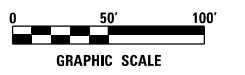
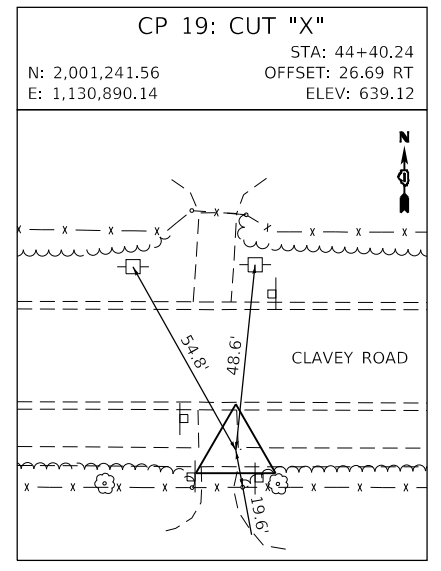
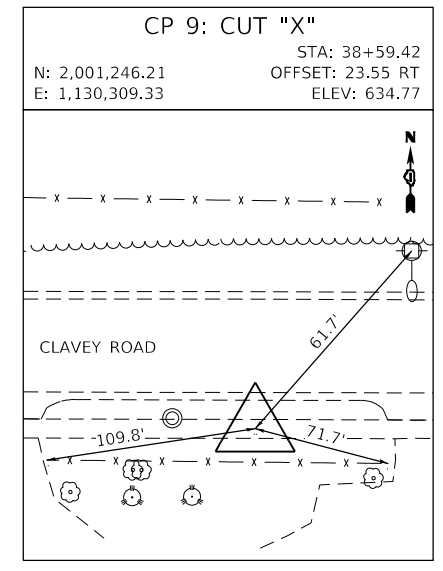
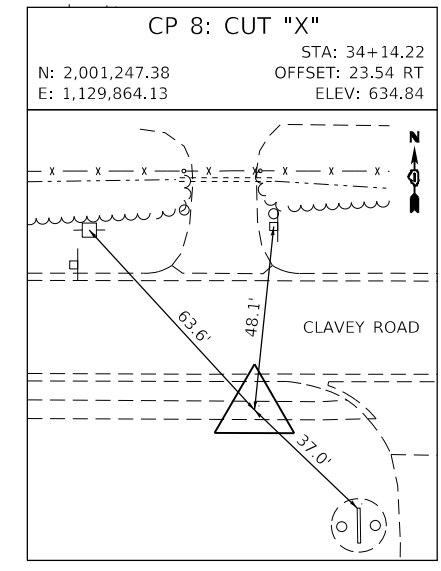
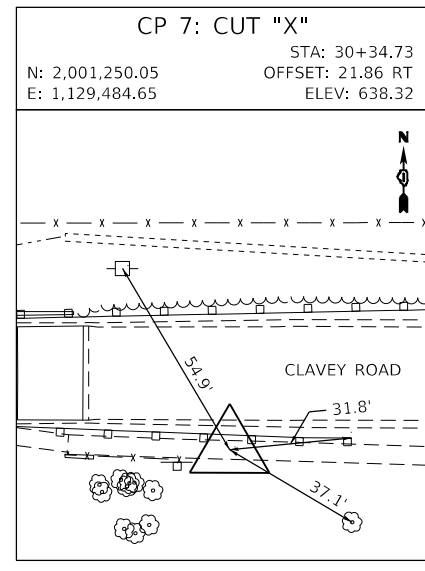
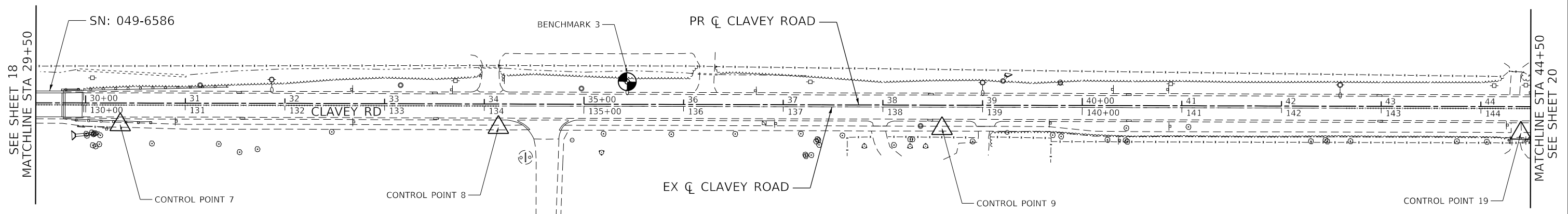
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DATE - 2/26/2020	REVISOR -	

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: 1" = 50' SHEET NO. 2 OF 5 SHEETS STA. 14+50.00 TO STA. 29+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	18
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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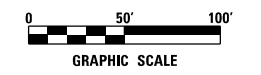
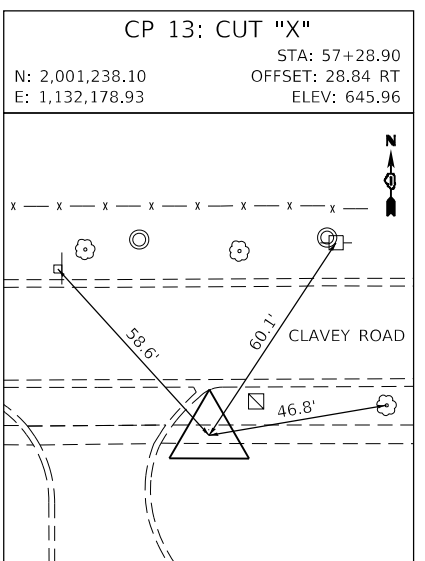
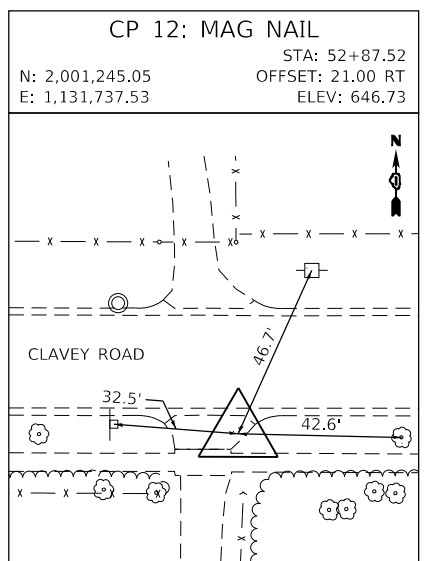
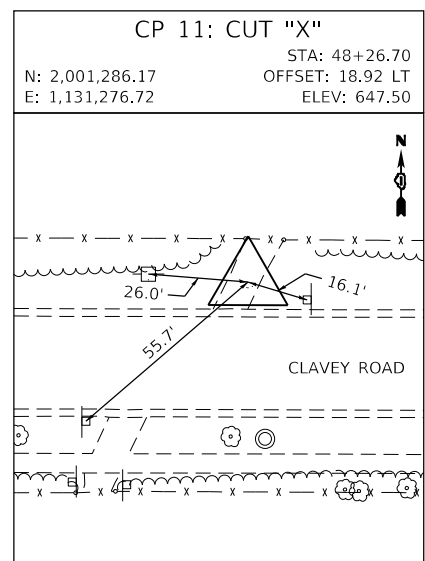
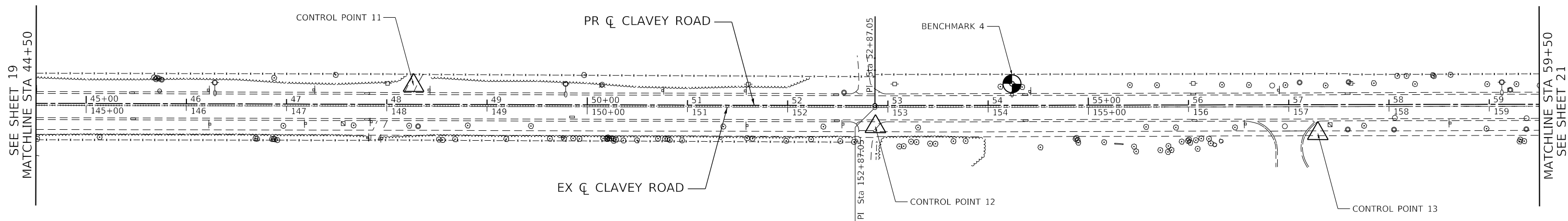
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PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: 1" = 50' SHEET NO. 3 OF 5 SHEETS STA. 29+50.00 TO STA. 44+50.00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	19
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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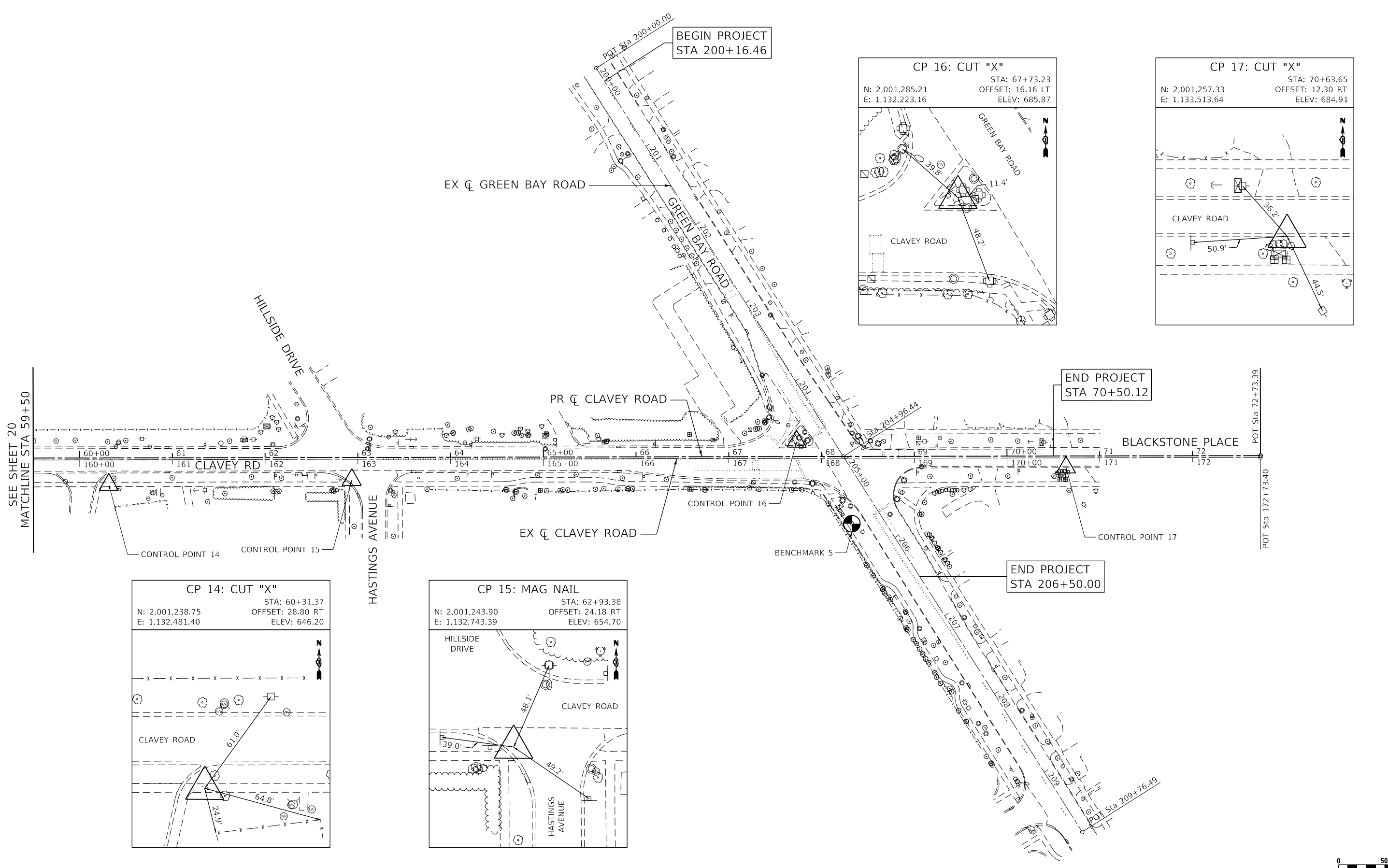
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PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: 1" = 50' SHEET NO. 4 OF 5 SHEETS STA. 44+50.00 TO STA. 59+50.00

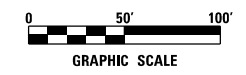
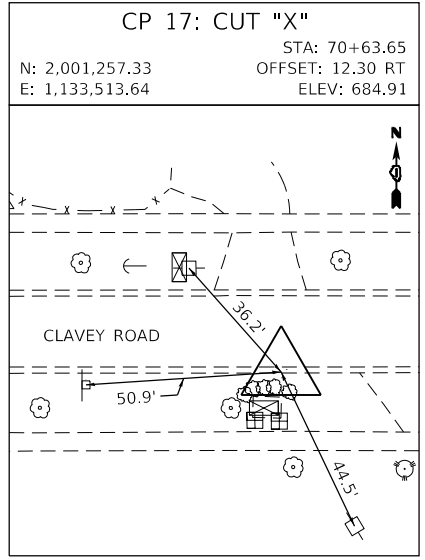
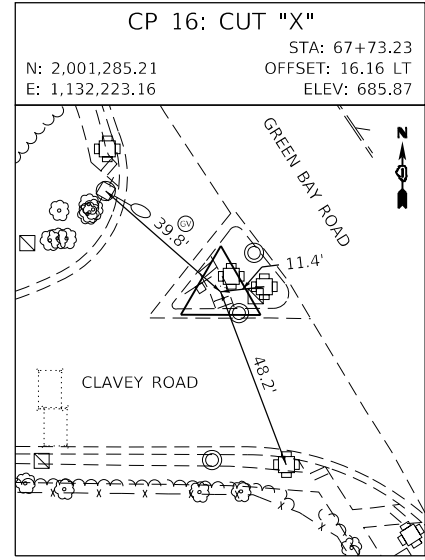
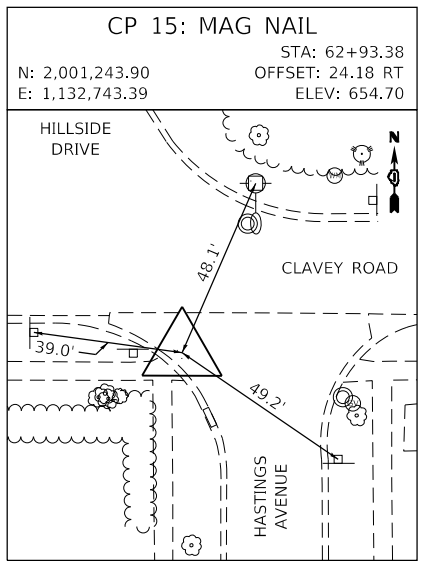
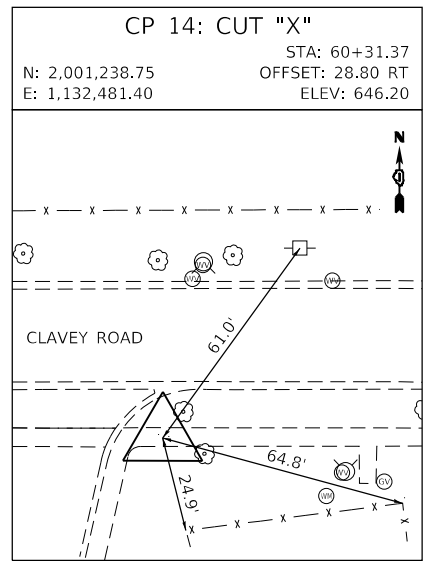
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	20
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



SEE SHEET 20
MATCHLINE STA 59+50

END PROJECT
STA 70+50.12

END PROJECT
STA 206+50.00



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	DRAWN - ES	REVISED -
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**CITY OF
HIGHLAND PARK**

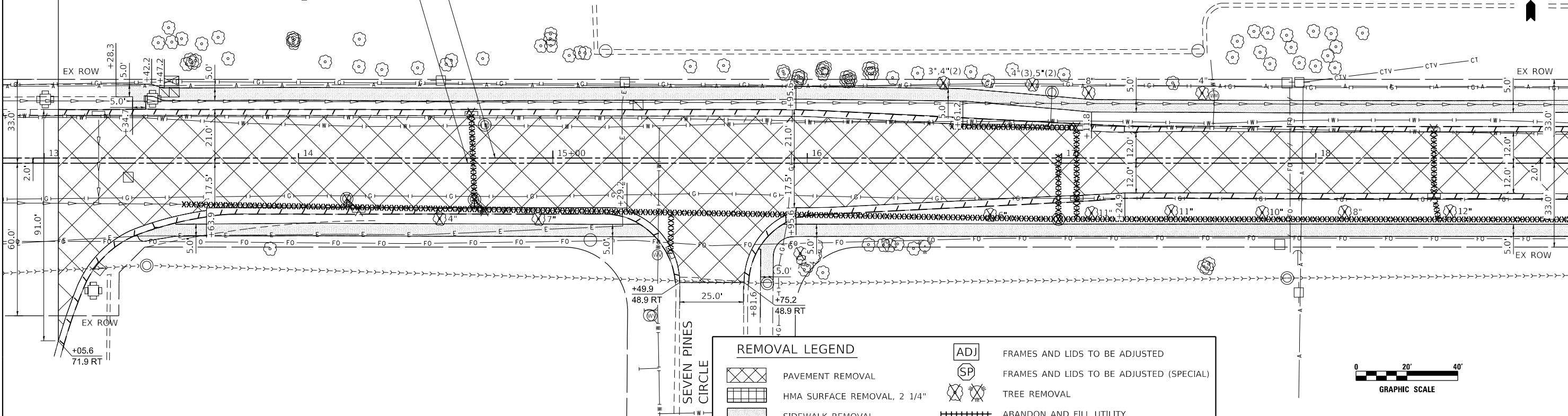
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: 1" = 50' SHEET NO. 5 OF 5 SHEETS STA. 59+50.00 TO STA. 72+73.39

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	21
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

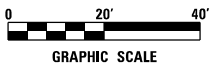
BEGIN PROJECT
STA 13+05.58

PR ϕ CLAVEY ROAD
EX ϕ CLAVEY ROAD



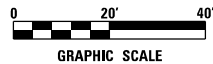
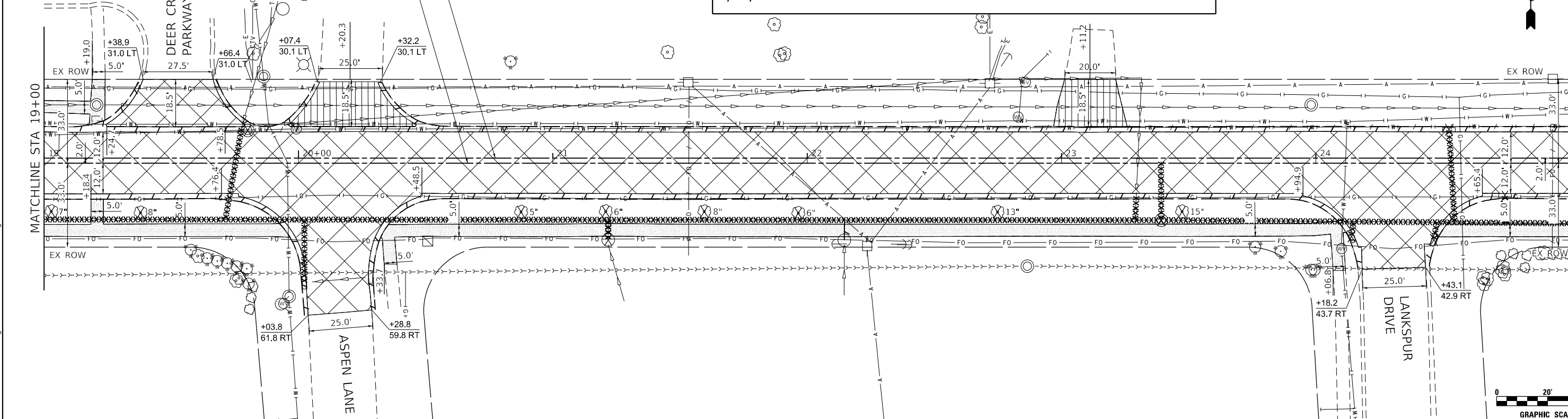
REMOVAL LEGEND

	PAVEMENT REMOVAL		FRAMES AND LIDS TO BE ADJUSTED
	HMA SURFACE REMOVAL, 2 1/4"		FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	SIDEWALK REMOVAL		TREE REMOVAL
	DRIVEWAY PAVEMENT REMOVAL		ABANDON AND FILL UTILITY
	APPROACH SLAB REMOVAL		UTILITY REMOVAL
	ISLAND REMOVAL		UTILITY ITEM REMOVAL
	CURB AND GUTTER REMOVAL		DRAINAGE STRUCTURE REMOVAL
			STORM SEWER REMOVAL



MATCHLINE STA 19+00

PR ϕ CLAVEY ROAD
EX ϕ CLAVEY ROAD



MATCHLINE STA 25+00
SEE SHEET: 23

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8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

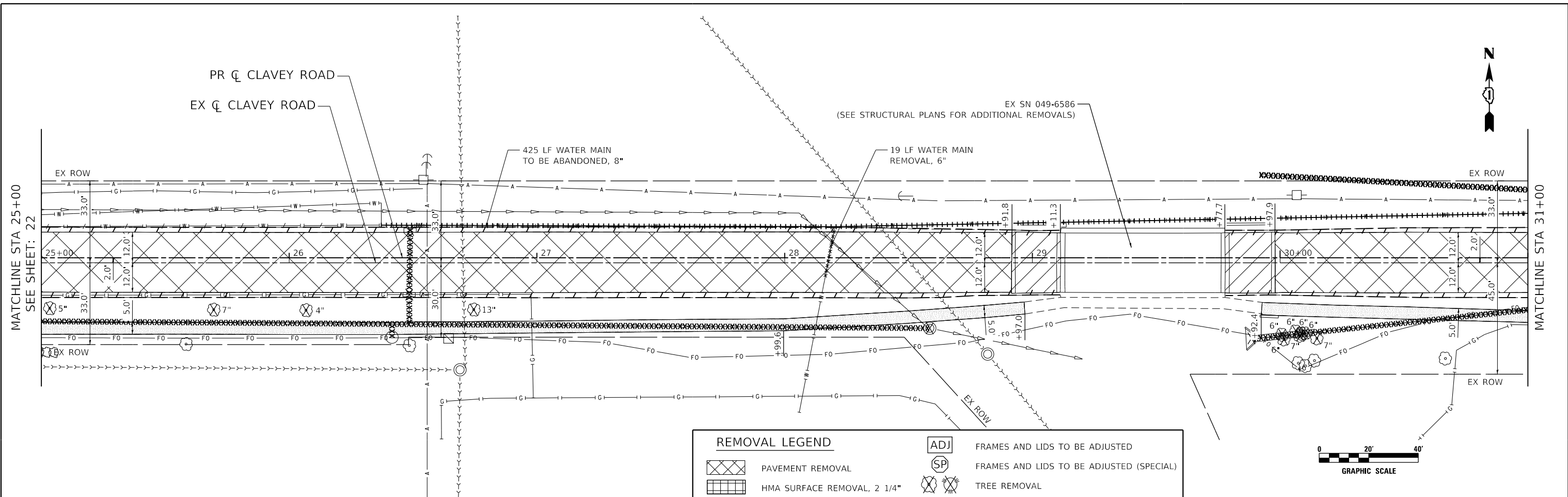
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**CITY OF
HIGHLAND PARK**

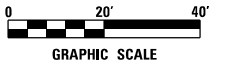
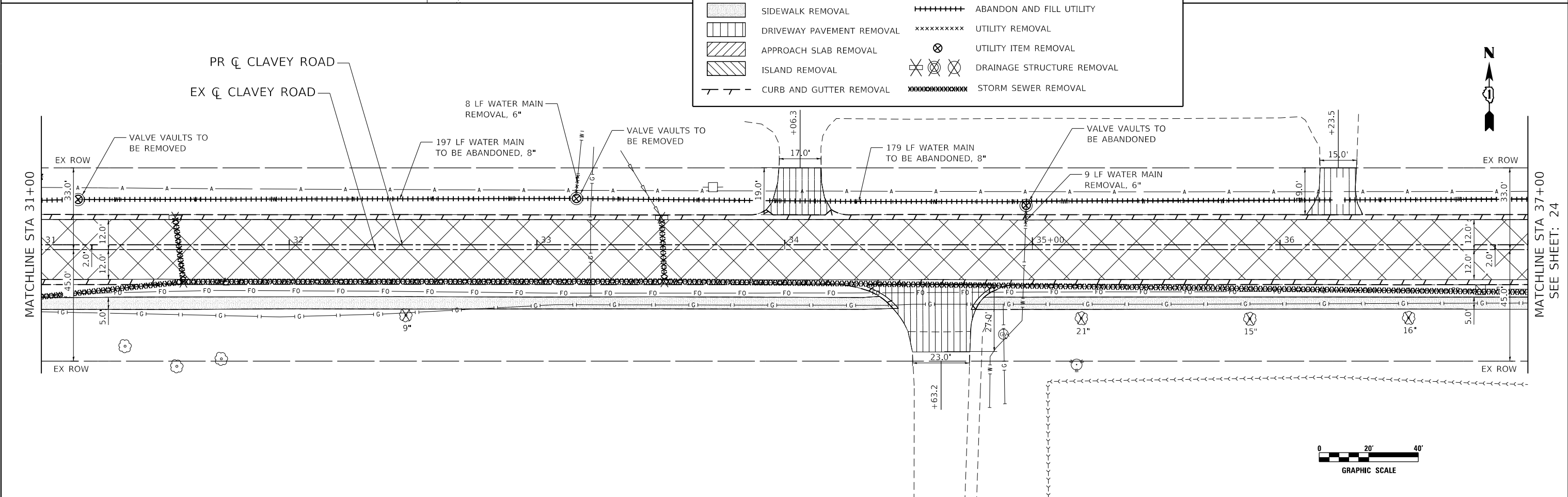
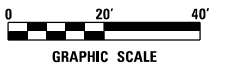
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: 1" = 20' SHEET NO. 1 OF 6 SHEETS STA. 13+00 TO STA. 25+00

FAU R.T.E. = 1265	SECTION = 15-00125-00-PV	COUNTY = LAKE	TOTAL SHEETS = 153	SHEET NO. = 22
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND	
	PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 2 1/4"
	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	APPROACH SLAB REMOVAL
	ISLAND REMOVAL
	CURB AND GUTTER REMOVAL
	FRAMES AND LIDS TO BE ADJUSTED
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	TREE REMOVAL
	ABANDON AND FILL UTILITY
	UTILITY REMOVAL
	UTILITY ITEM REMOVAL
	DRAINAGE STRUCTURE REMOVAL
	STORM SEWER REMOVAL



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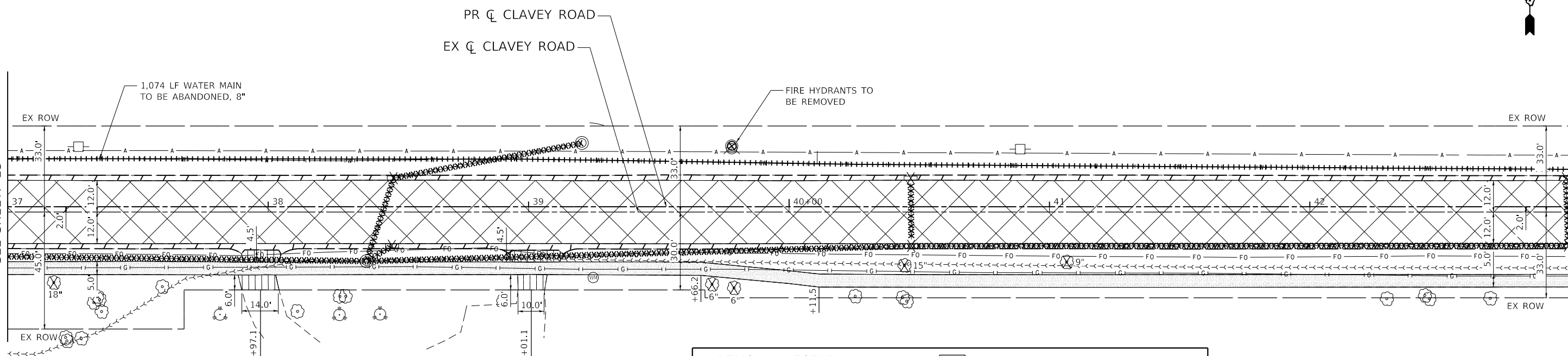
**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: 1" = 20' SHEET NO. 2 OF 6 SHEETS STA. 25+00 TO STA. 37+00

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 23
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

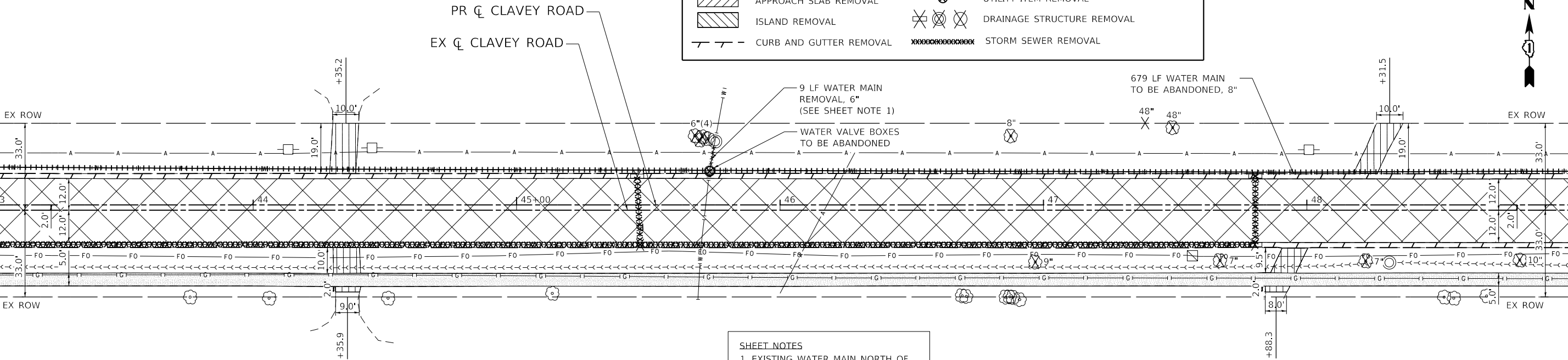
MATCHLINE STA 37+00
SEE SHEET: 23



REMOVAL LEGEND	
	PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 2 1/4"
	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	APPROACH SLAB REMOVAL
	ISLAND REMOVAL
	CURB AND GUTTER REMOVAL
	ADJ FRAMES AND LIDS TO BE ADJUSTED
	SP FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	TREE REMOVAL
	ABANDON AND FILL UTILITY
	UTILITY REMOVAL
	UTILITY ITEM REMOVAL
	DRAINAGE STRUCTURE REMOVAL
	STORM SEWER REMOVAL



MATCHLINE STA 43+00



SHEET NOTES
1. EXISTING WATER MAIN NORTH OF THE MAIN LINE 8" WATER MAIN, SHALL BE FULLY EXPOSED PRIOR TO REMOVAL. LIMITS OF WATER MAIN REMOVAL SHALL BE CAPPED WITH MECHANICAL JOINT PLUGS.



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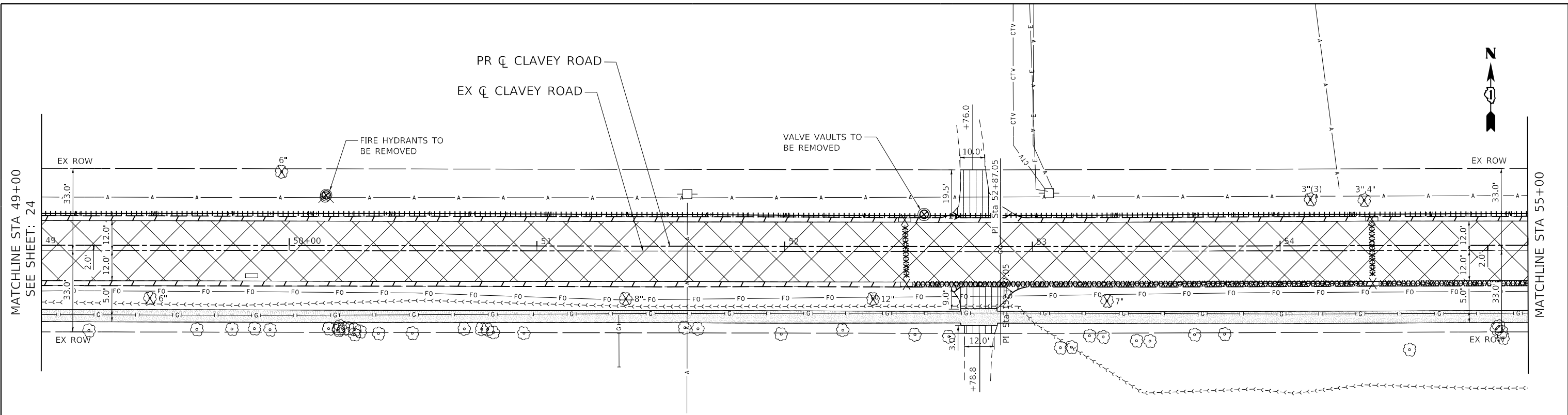
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**CITY OF
HIGHLAND PARK**

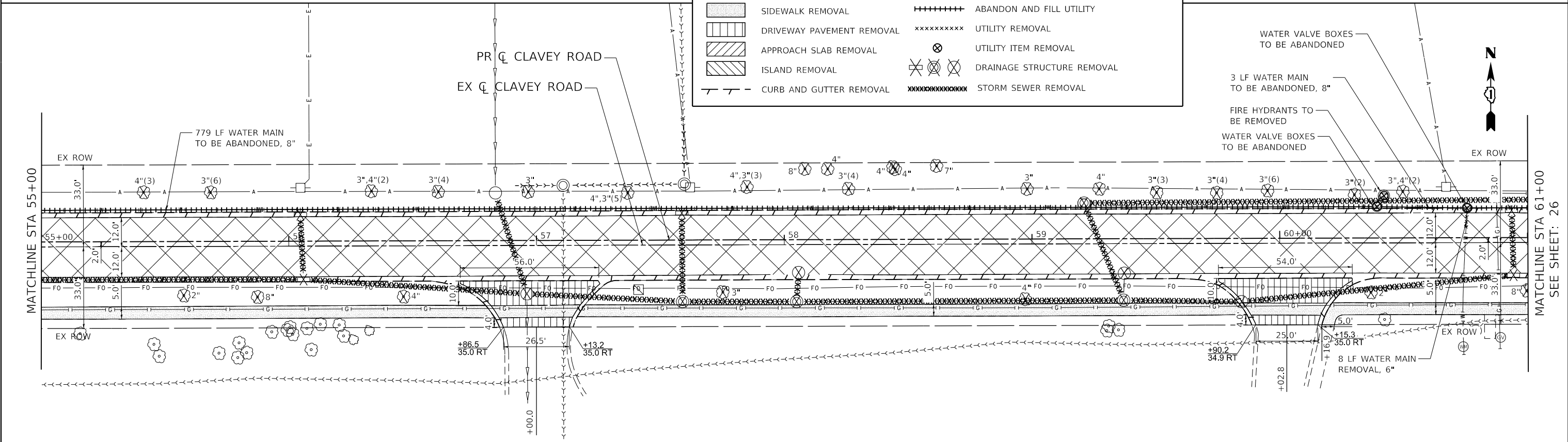
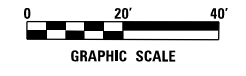
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: 1" = 20' SHEET NO. 3 OF 6 SHEETS STA. 37+00 TO STA. 49+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	24
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND	
	PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 2 1/4"
	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	APPROACH SLAB REMOVAL
	ISLAND REMOVAL
	CURB AND GUTTER REMOVAL
	FRAMES AND LIDS TO BE ADJUSTED
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	TREE REMOVAL
	ABANDON AND FILL UTILITY
	UTILITY REMOVAL
	UTILITY ITEM REMOVAL
	DRAINAGE STRUCTURE REMOVAL
	STORM SEWER REMOVAL



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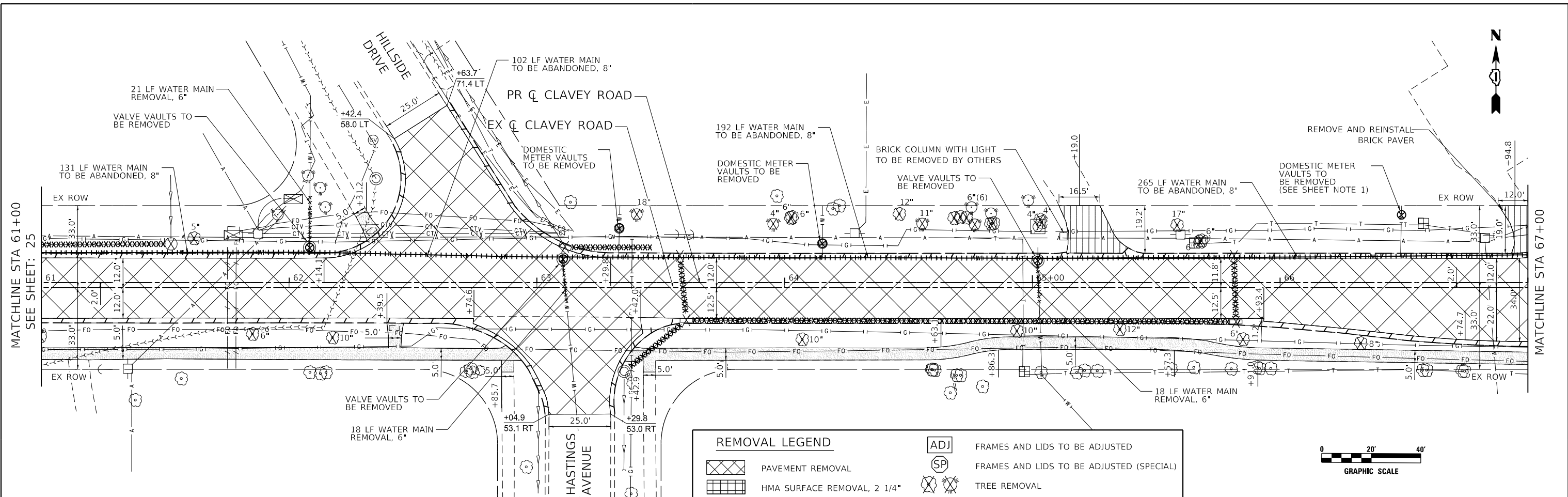
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PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: 1" = 20' SHEET NO. 4 OF 6 SHEETS STA. 49+00 TO STA. 61+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	25
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

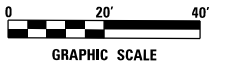
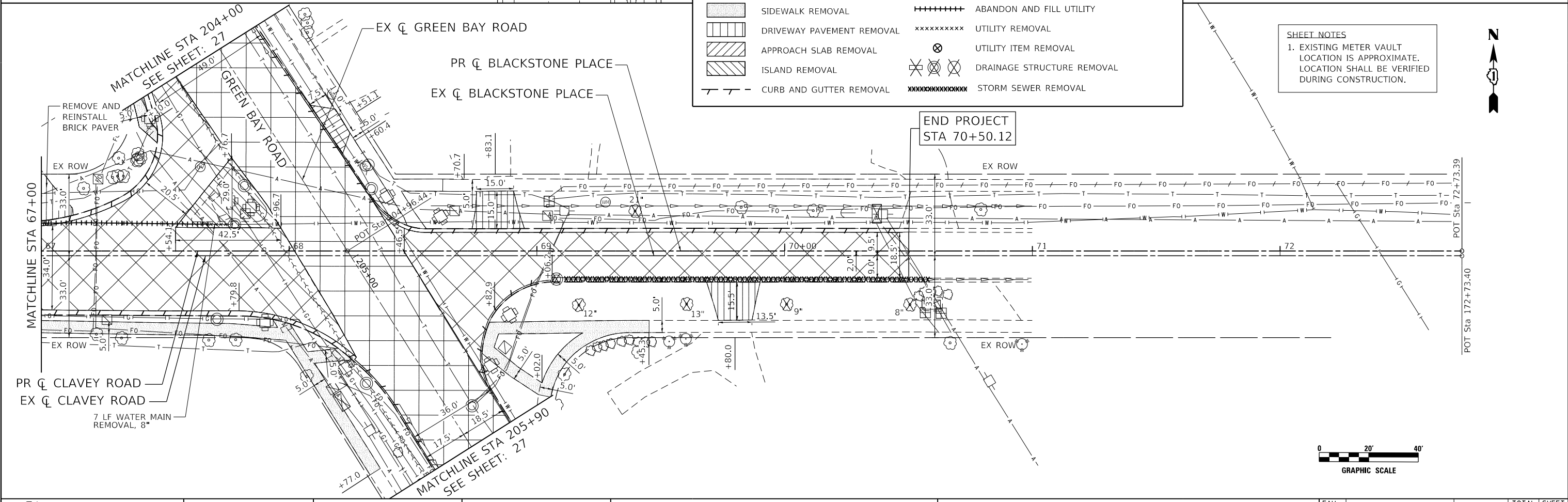


REMOVAL LEGEND

	PAVEMENT REMOVAL		FRAMES AND LIDS TO BE ADJUSTED
	HMA SURFACE REMOVAL, 2 1/4\"/>		FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	SIDEWALK REMOVAL		TREE REMOVAL
	DRIVEWAY PAVEMENT REMOVAL		ABANDON AND FILL UTILITY
	APPROACH SLAB REMOVAL		UTILITY REMOVAL
	ISLAND REMOVAL		UTILITY ITEM REMOVAL
	CURB AND GUTTER REMOVAL		DRAINAGE STRUCTURE REMOVAL
			STORM SEWER REMOVAL



SHEET NOTES
 1. EXISTING METER VAULT LOCATION IS APPROXIMATE. LOCATION SHALL BE VERIFIED DURING CONSTRUCTION.



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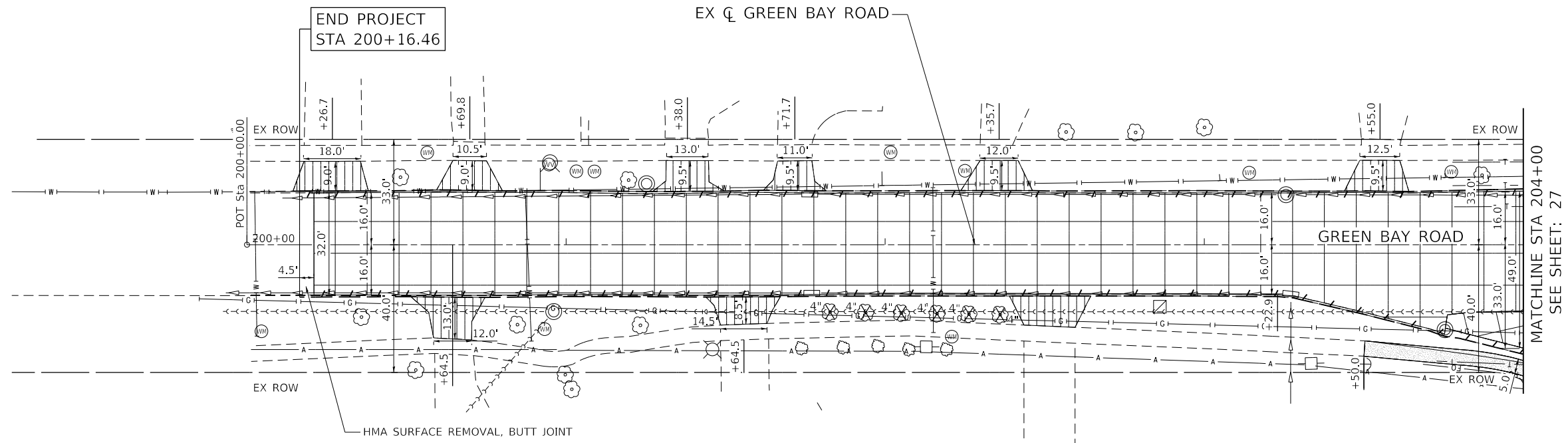
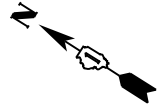
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**CITY OF
 HIGHLAND PARK**

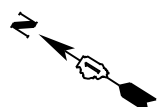
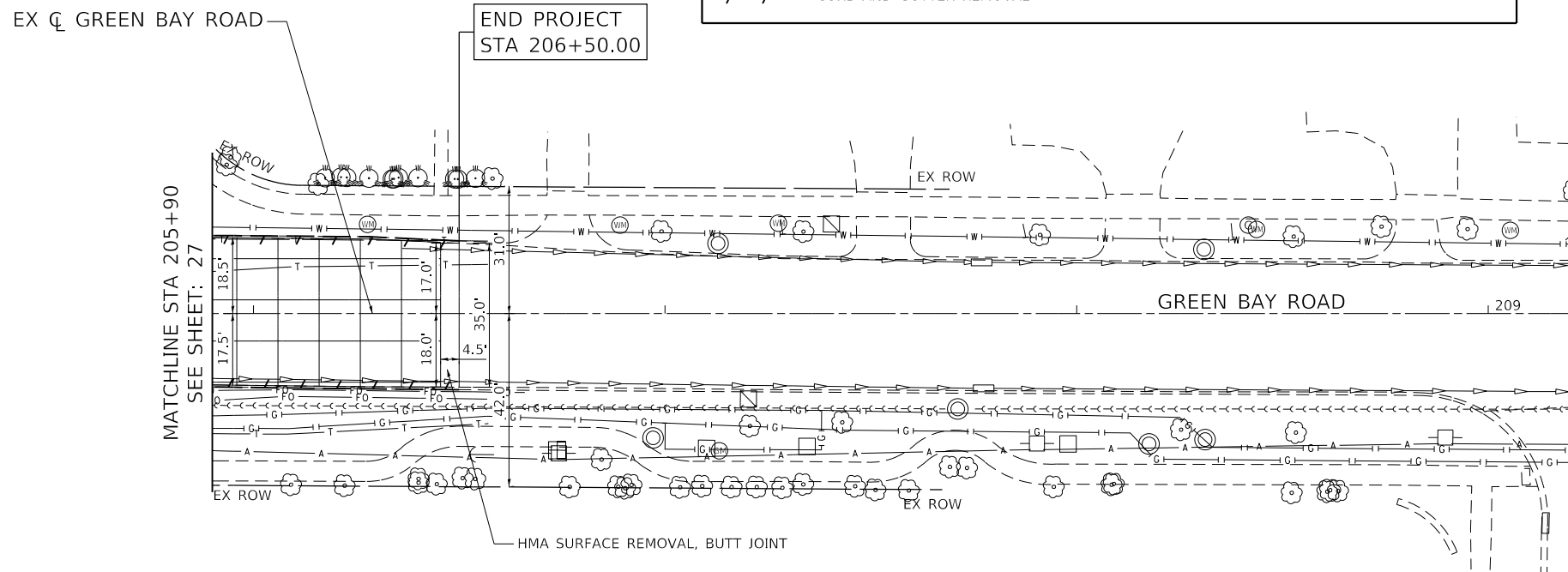
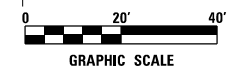
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: 1" = 20' SHEET NO. 5 OF 6 SHEETS STA. 61+00 TO STA. 71+00

FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	26
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND	
	PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 2 1/4"
	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	APPROACH SLAB REMOVAL
	ISLAND REMOVAL
	CURB AND GUTTER REMOVAL
	FRAMES AND LIDS TO BE ADJUSTED
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	TREE REMOVAL
	ABANDON AND FILL UTILITY
	UTILITY REMOVAL
	UTILITY ITEM REMOVAL
	DRAINAGE STRUCTURE REMOVAL
	STORM SEWER REMOVAL



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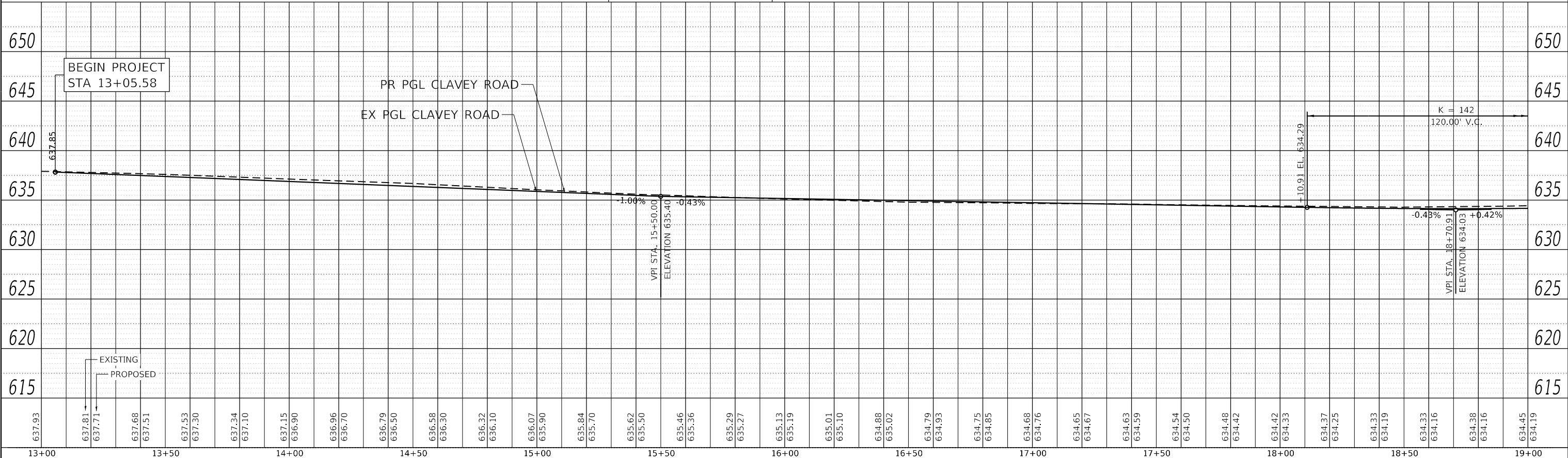
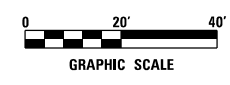
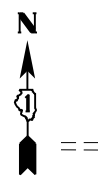
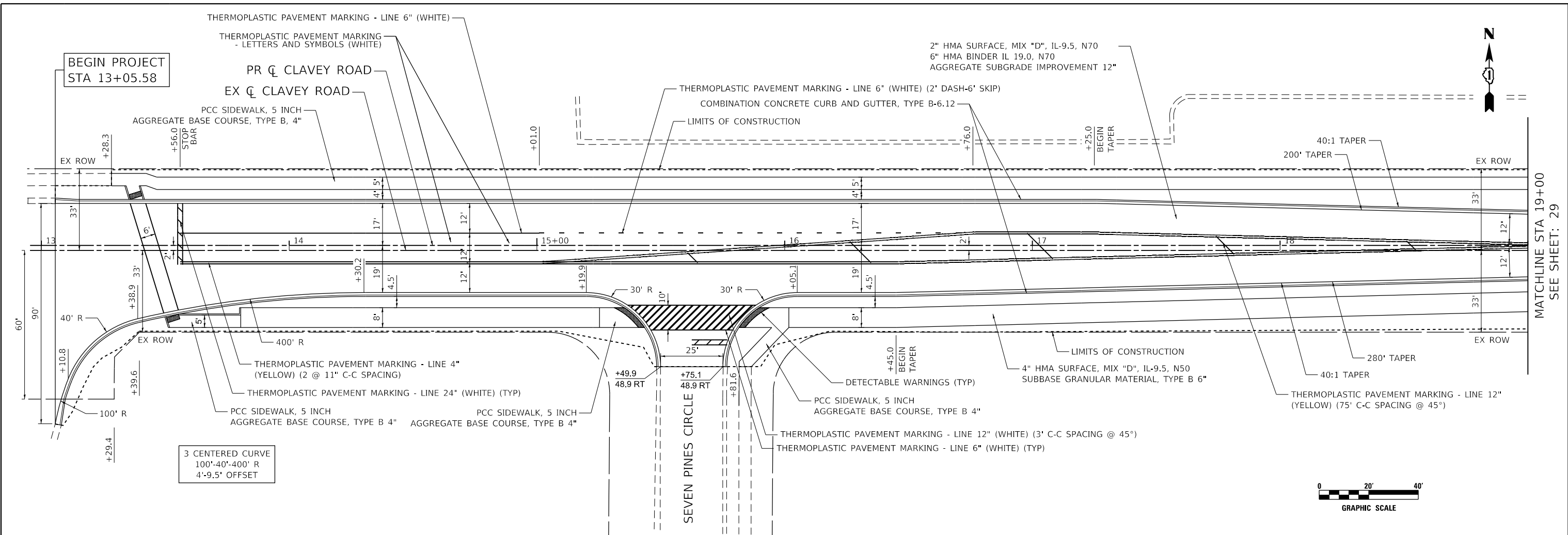
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	DRAWN - ES	REVISED -
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PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
EXISTING CONDITIONS AND REMOVAL PLAN**

SCALE: 1" = 20' SHEET NO. 6 OF 6 SHEETS STA. 200+00 TO STA. 208+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	27
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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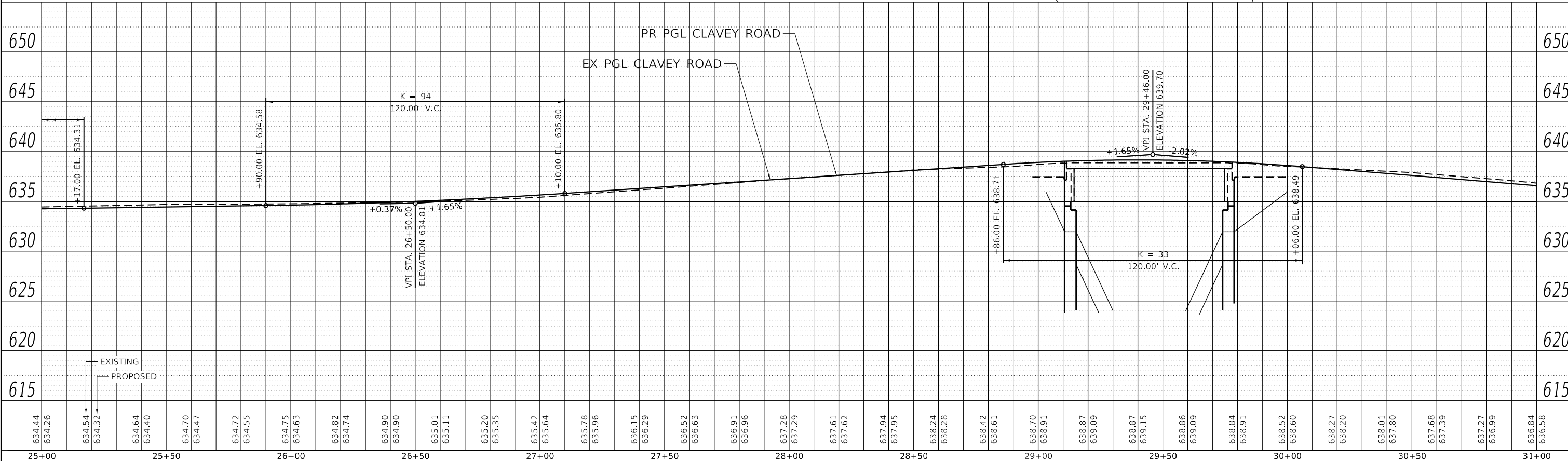
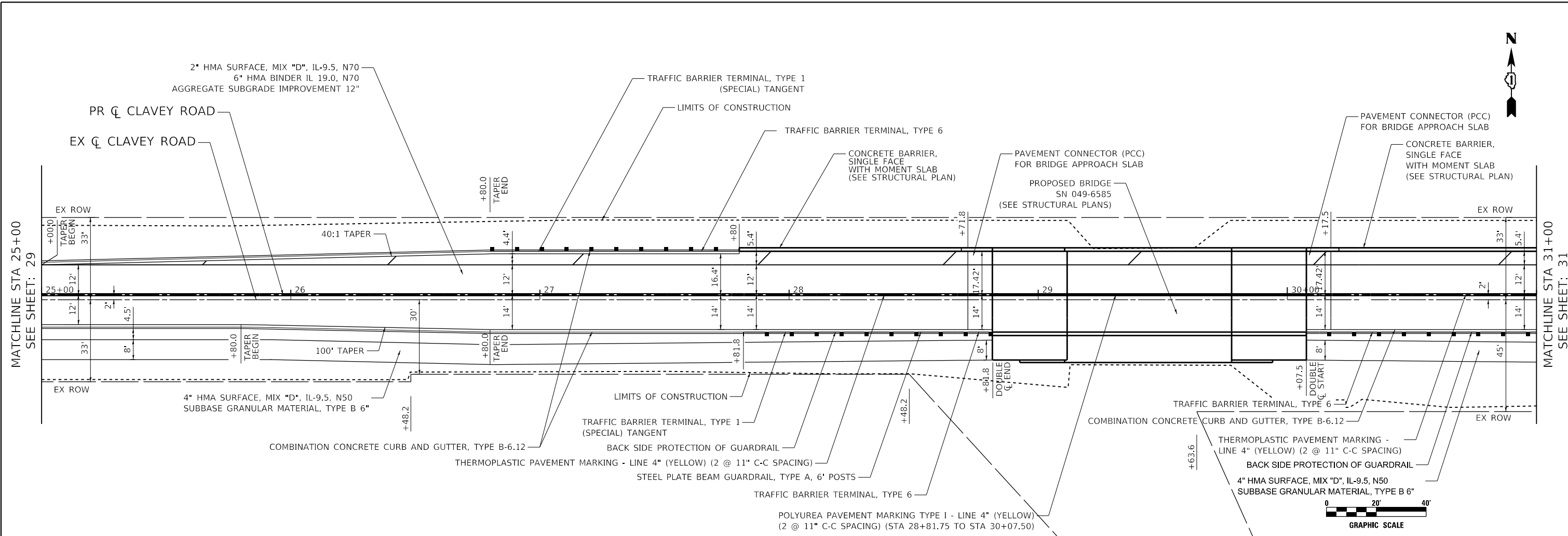
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PLOT DATE = 2/27/2020	DATE = 2/27/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED PLAN AND PROFILE**

SCALE: 1" = 20' SHEET NO. 1 OF 12 SHEETS STA. 13+00 TO STA. 19+00

FAU R.T.E. = 1265	SECTION = 15-00125-00-PV	COUNTY = LAKE	TOTAL SHEETS = 153	SHEET NO. = 28
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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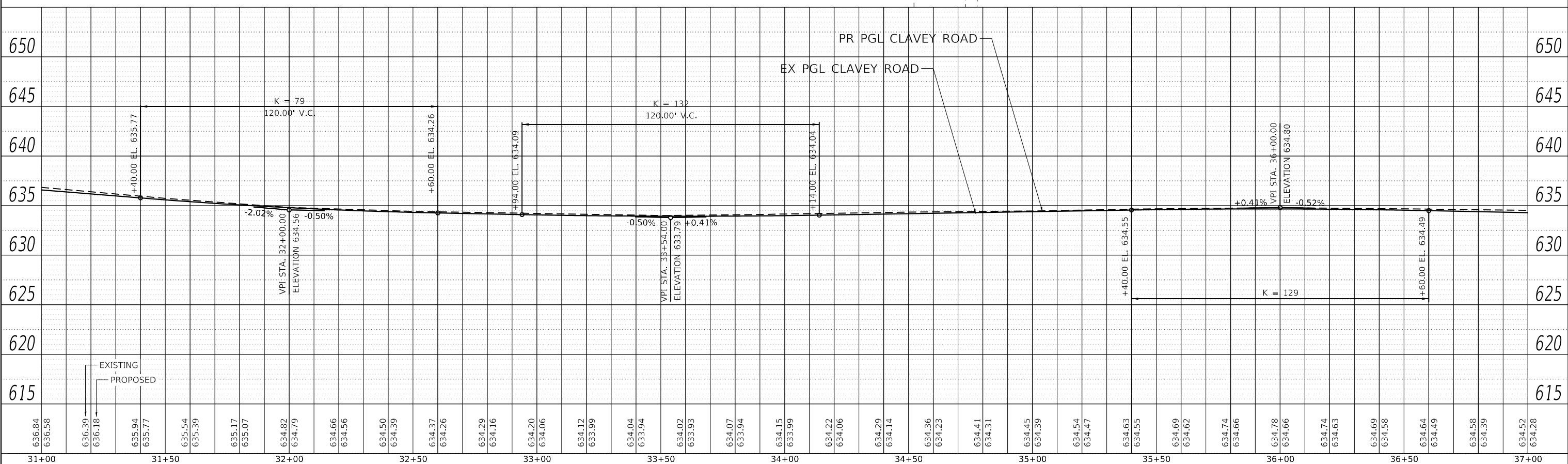
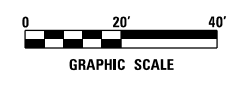
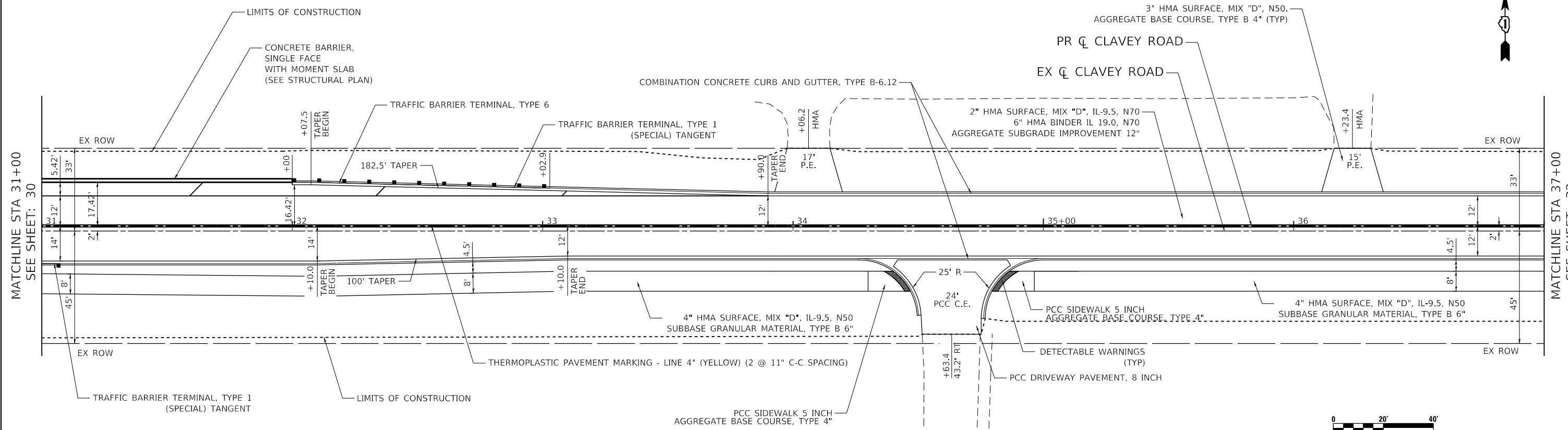
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PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

CITY OF HIGHLAND PARK

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED PLAN AND PROFILE**

FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	30
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. 3 OF 12 SHEETS STA. 25+00 TO STA. 31+00



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31+00	31+50	32+00	32+50	33+00	33+50	34+00	34+50	35+00	35+50	36+00	36+50	37+00																																																	

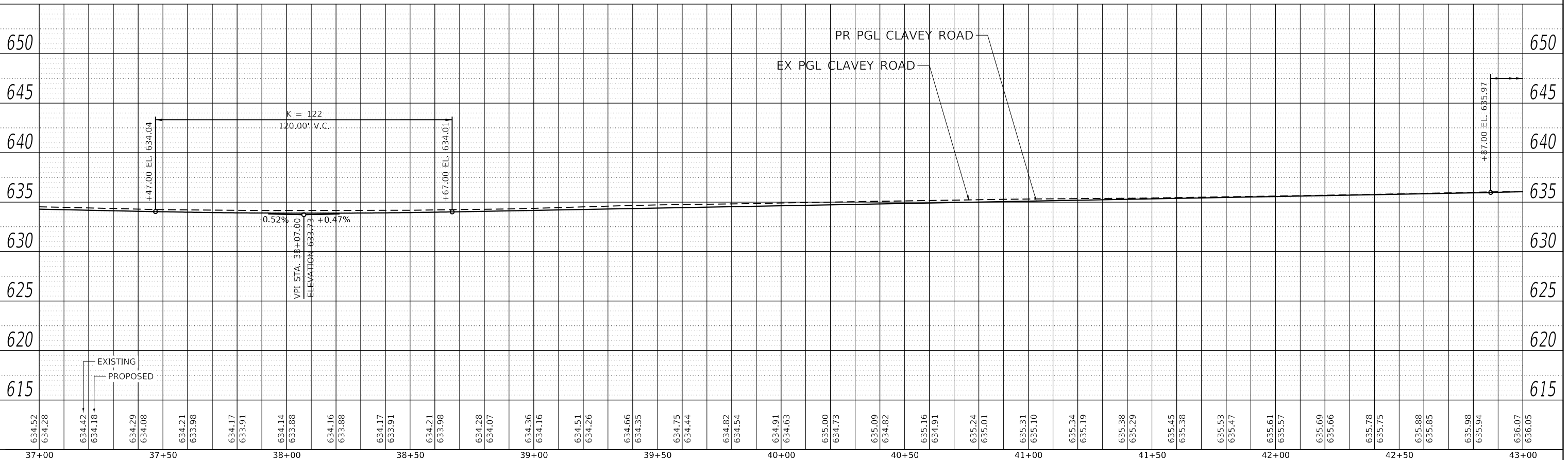
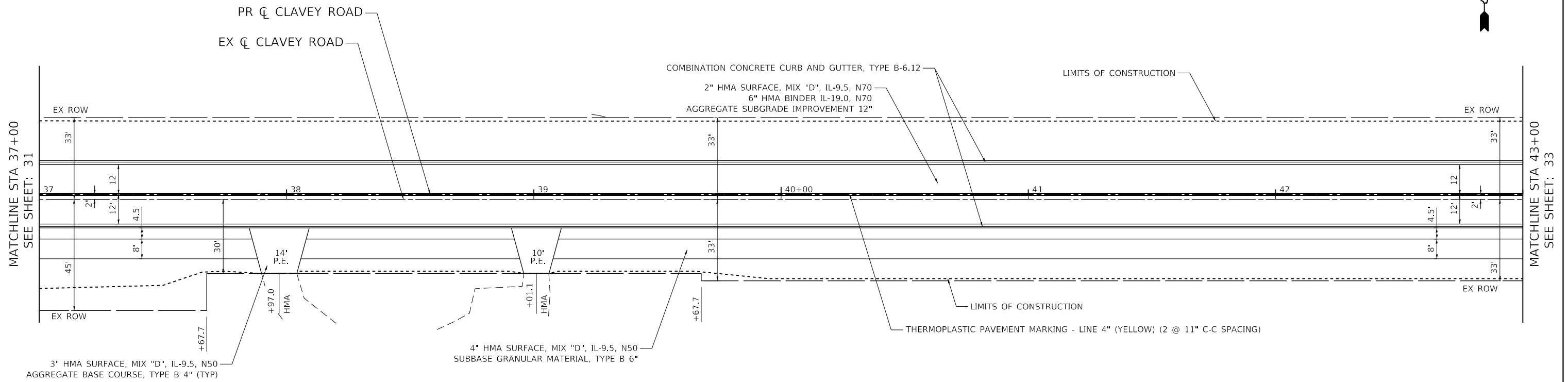


USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
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PLOT DATE = 2/26/2020	DATE = 2/26/2020	REVISED -

CITY OF HIGHLAND PARK
CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED PLAN AND PROFILE

SCALE: 1" = 20'	SHEET NO. 4 OF 12 SHEETS	STA. 31+00 TO STA. 37+00
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FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 31
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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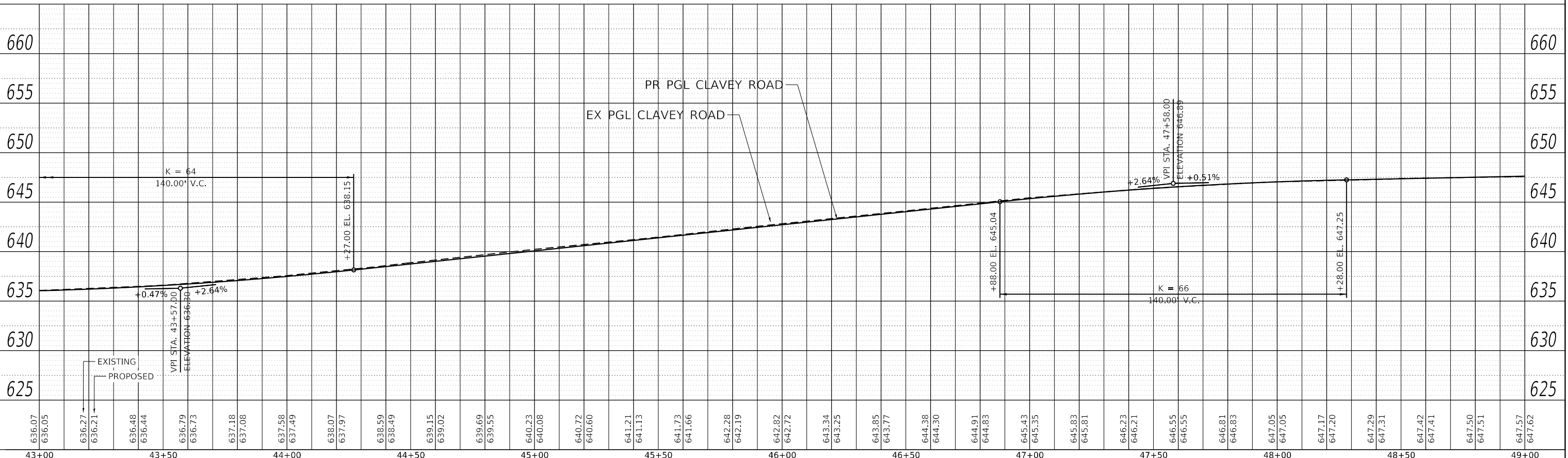
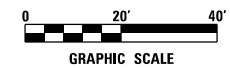
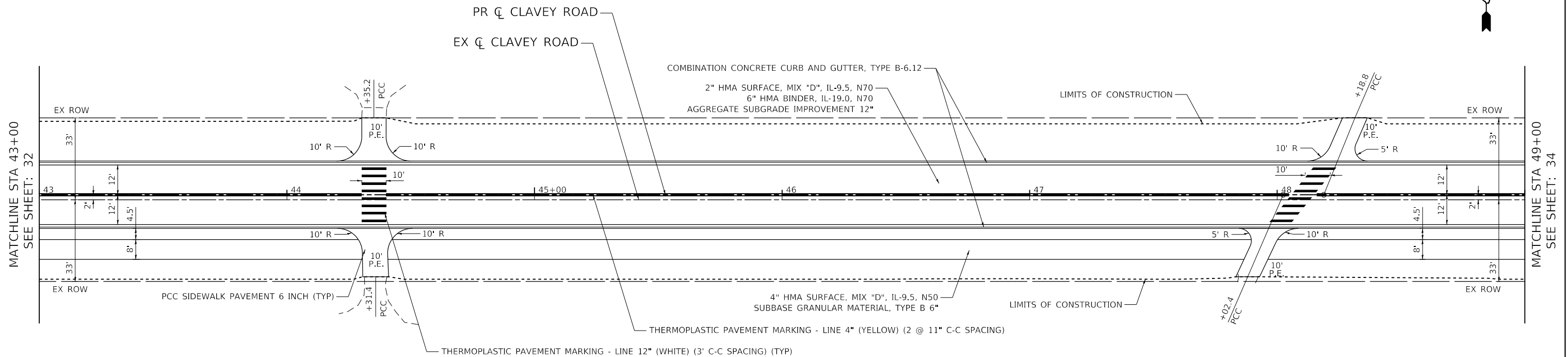
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PLOT DATE = 2/26/2020	DATE = 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED PLAN AND PROFILE**

SCALE: 1" = 20' SHEET NO. 5 OF 12 SHEETS STA. 37+00 TO STA. 43+00

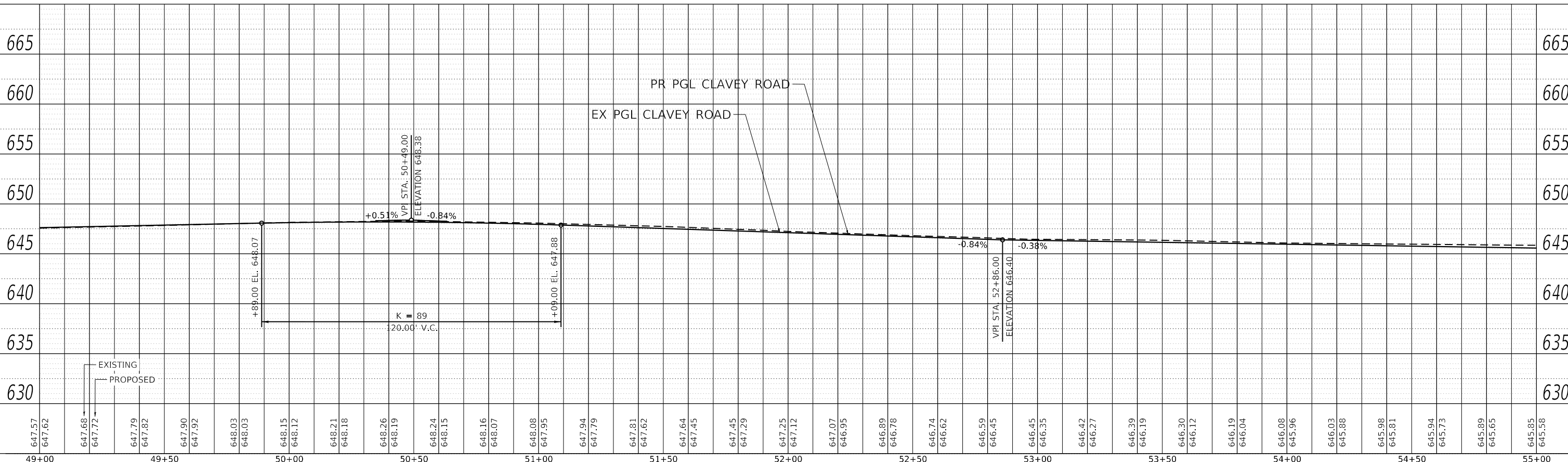
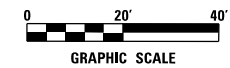
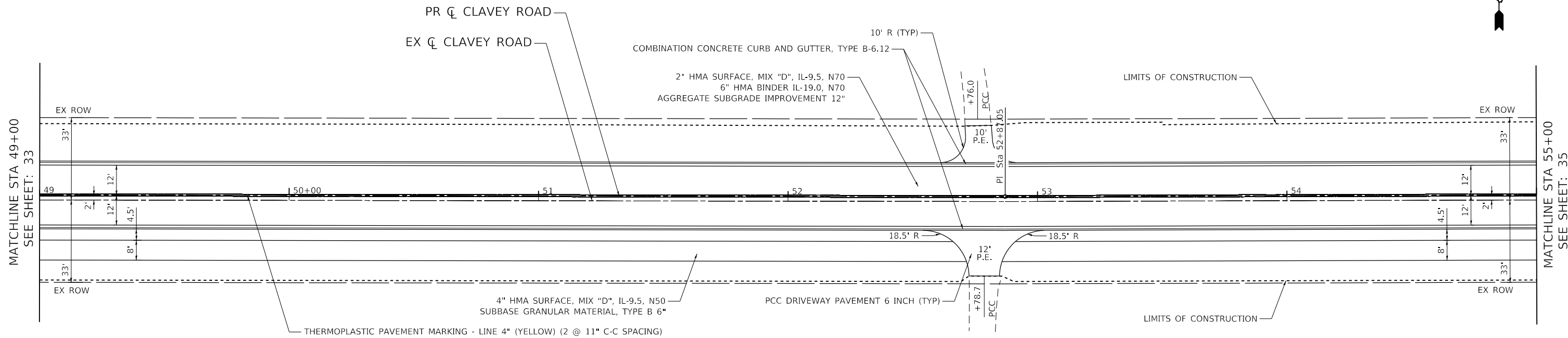
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CONTRACT NO.			ILLINOIS FED. AID PROJECT	



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43+00	43+00	43+00	43+00	43+00	43+00	43+50	43+50	44+00	44+00	44+00	44+00	44+50	44+50	44+50	44+50	45+00	45+00	45+00	45+00	45+00	45+00	45+00	45+00	45+50	45+50	45+50	45+50	46+00	46+00	46+00	46+00	46+00	46+00	46+50	46+50	46+50	46+50	46+50	46+50	46+50	46+50	47+00	47+00	47+00	47+00	47+00	47+00	47+50	47+50	47+50	47+50	47+50	47+50	48+00	48+00	48+00	48+00	48+00	48+00	48+00	48+00	48+50	48+50	48+50	48+50	49+00	49+00

 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com	USER NAME = Roadway DESIGNED - ES DRAWN - ES CHECKED - DJO DATE = 2/26/2020	REVISIONS REVISIONS REVISIONS REVISIONS	CITY OF HIGHLAND PARK	CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION PROPOSED PLAN AND PROFILE	FAU RTF. = 1265 SECTION = 15-00125-00-PV COUNTY = LAKE CONTRACT NO. = ILLINOIS FED. AID PROJECT	TOTAL SHEETS = 153 SHEET NO. = 33
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	PLOT DATE = 2/26/2020					



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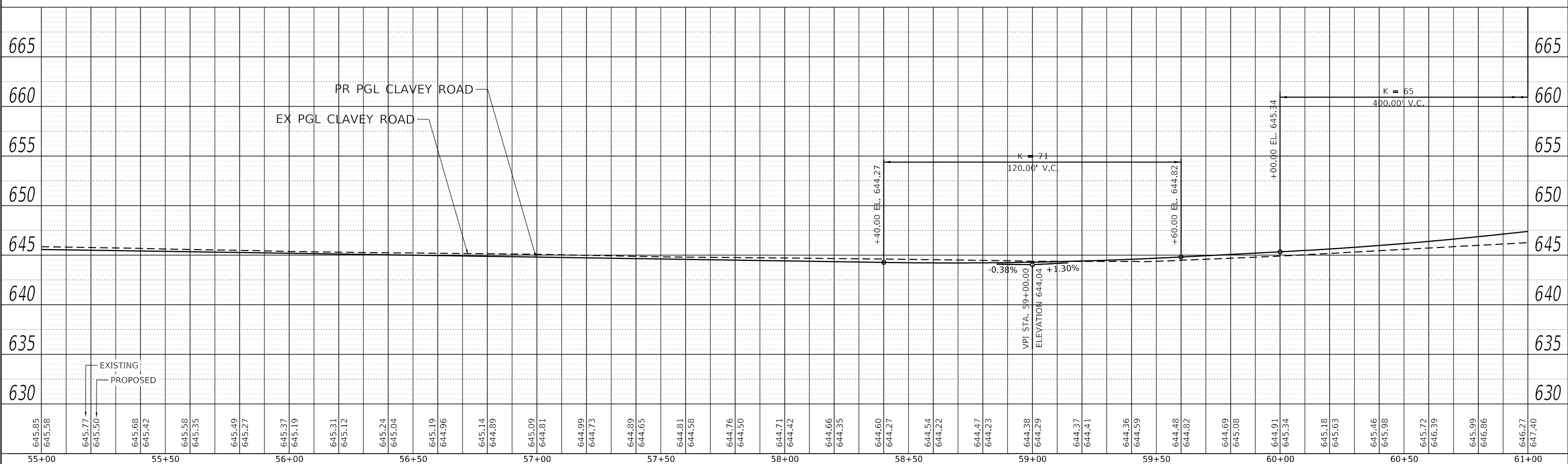
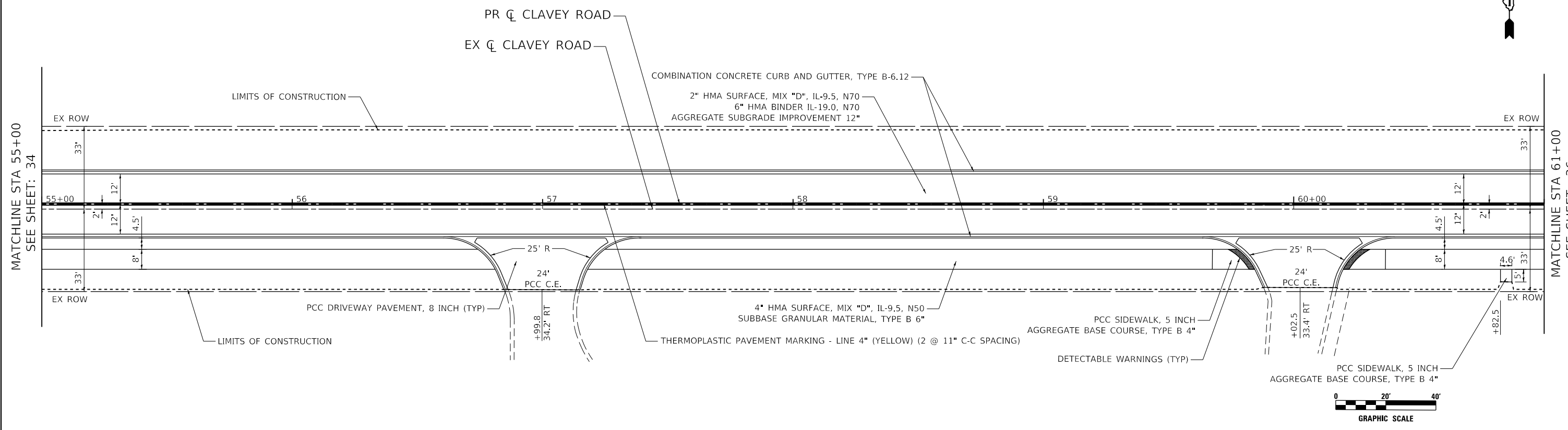
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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED PLAN AND PROFILE**

SCALE: 1" = 20' SHEET NO. 7 OF 12 SHEETS STA. 49+00 TO STA. 55+00

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 34
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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55+00	55+00	55+50	56+00	56+50	57+00	57+50	58+00	58+50	59+00	59+50	60+00	60+50	61+00																																																

8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - ES	REVISED -
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**CITY OF
HIGHLAND PARK**

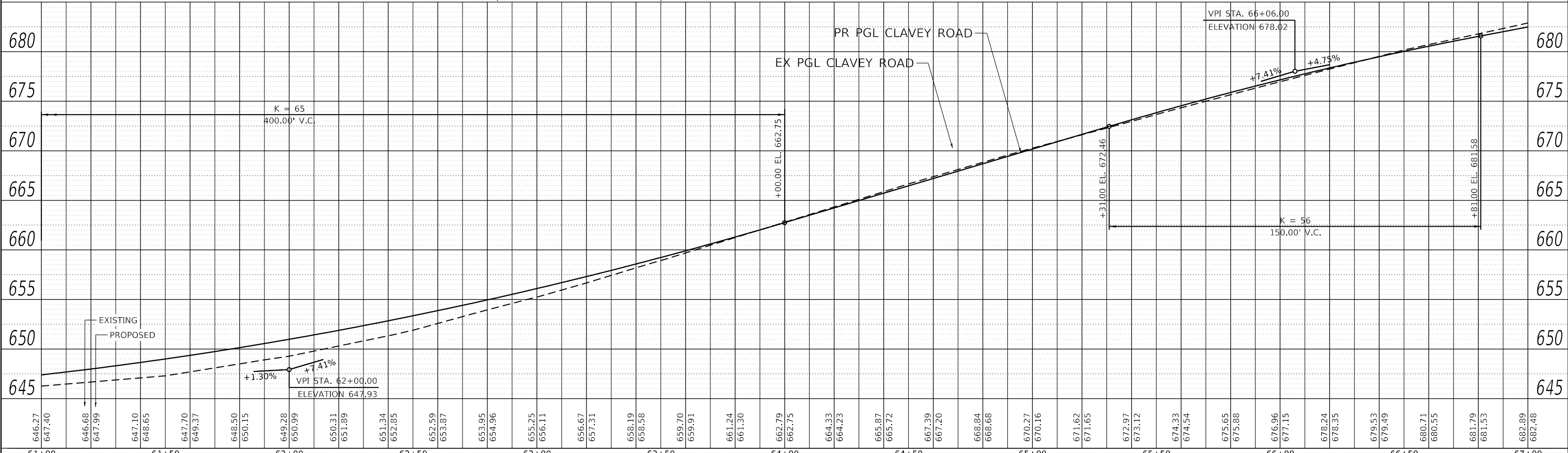
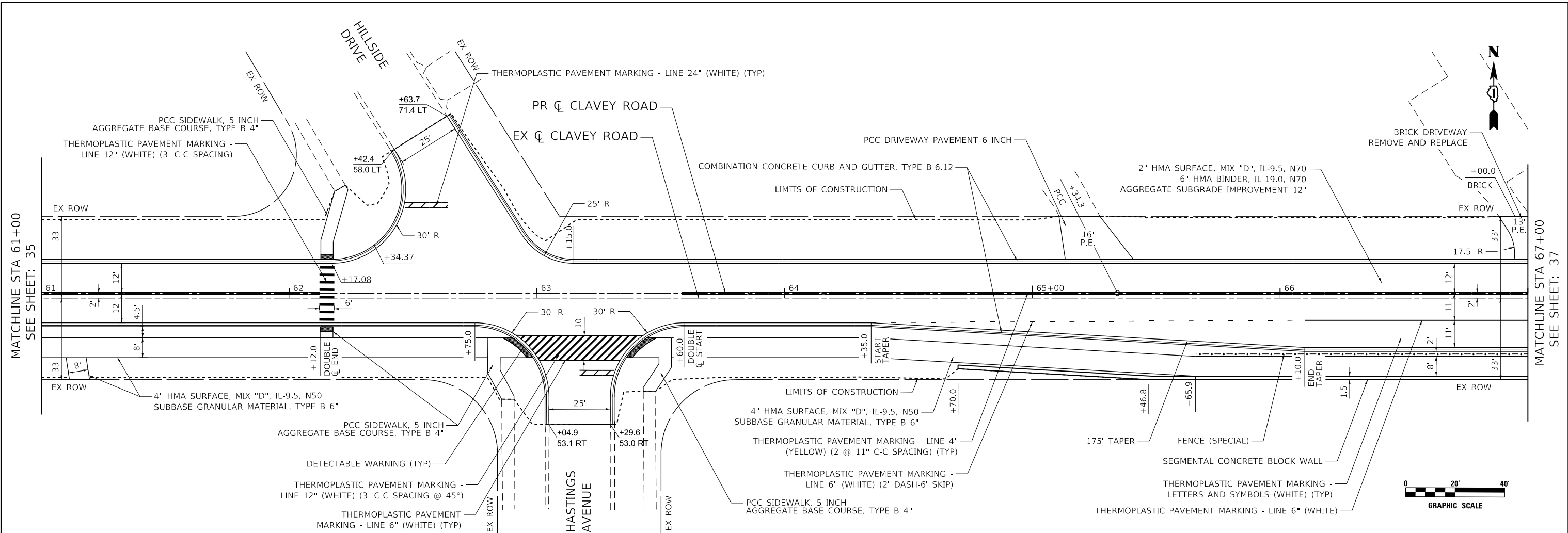
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED PLAN AND PROFILE**

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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

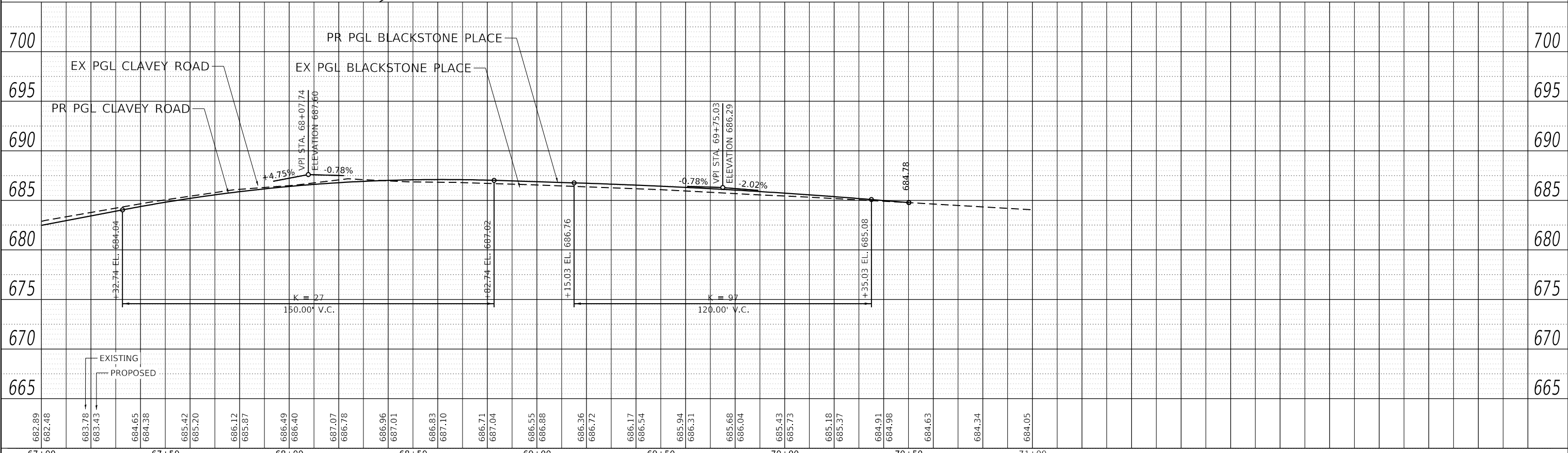
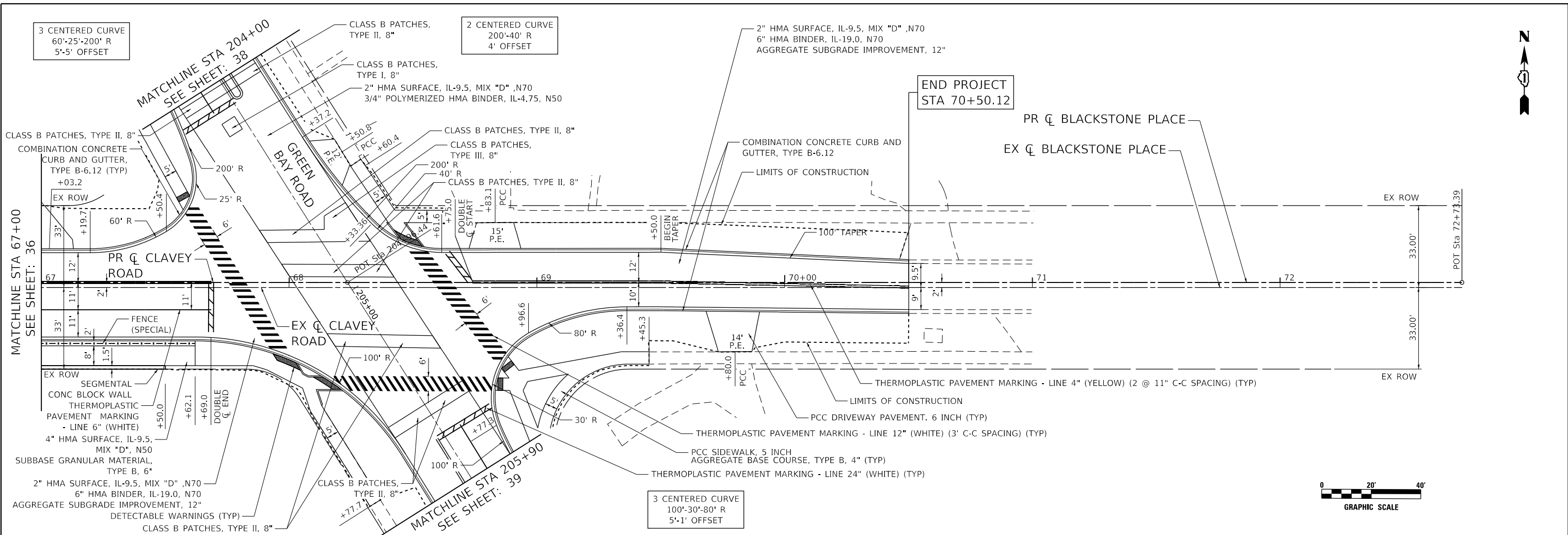
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SHEET NO. 8 OF 12 SHEETS

STA. 55+00 TO STA. 61+00



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67+00	67+50	68+00	68+50	69+00	69+50	70+00	70+50	71+00																															

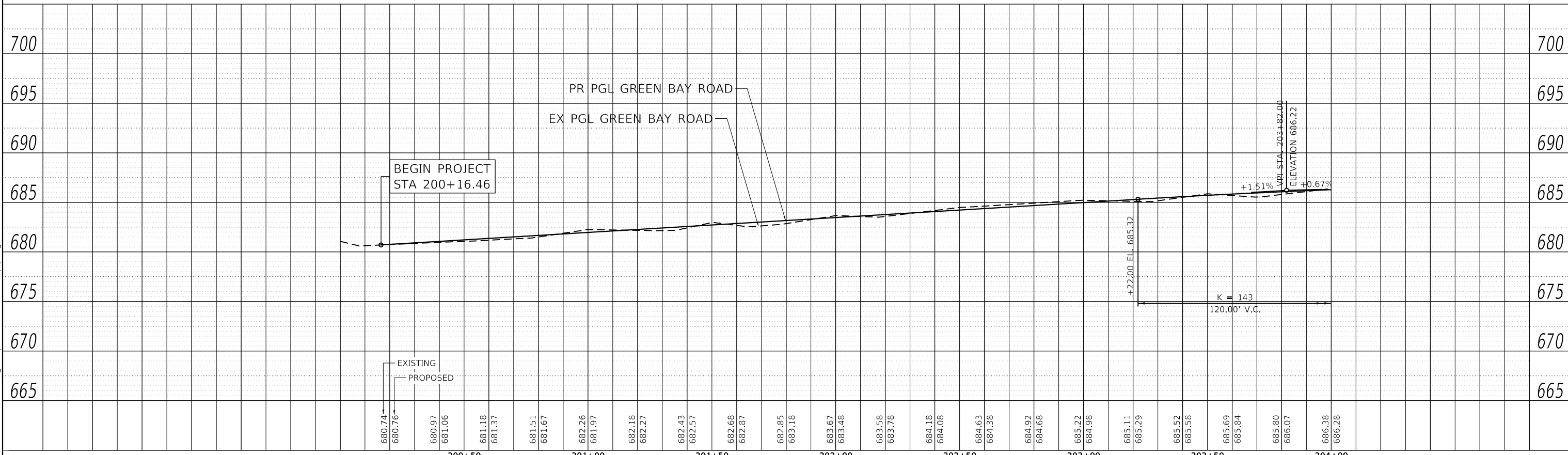
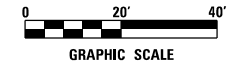
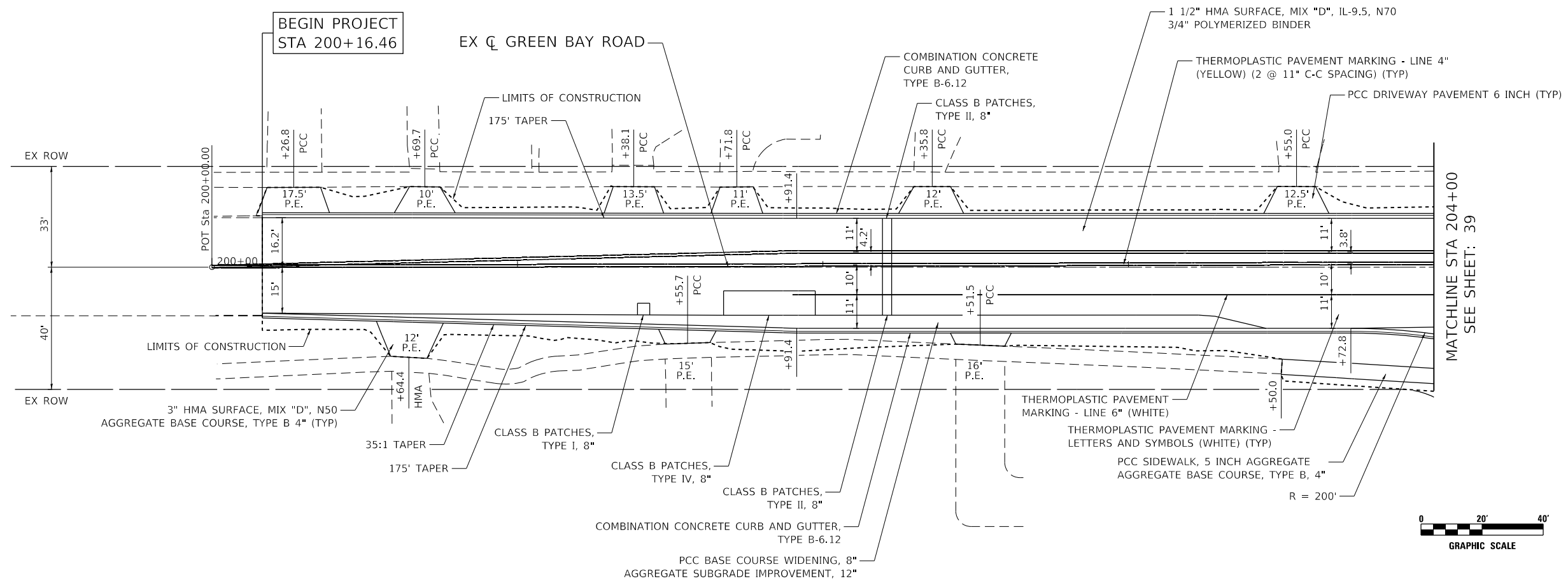
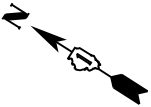


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	DRAWN - ES	REVISED -
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PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

CITY OF HIGHLAND PARK
CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED PLAN AND PROFILE

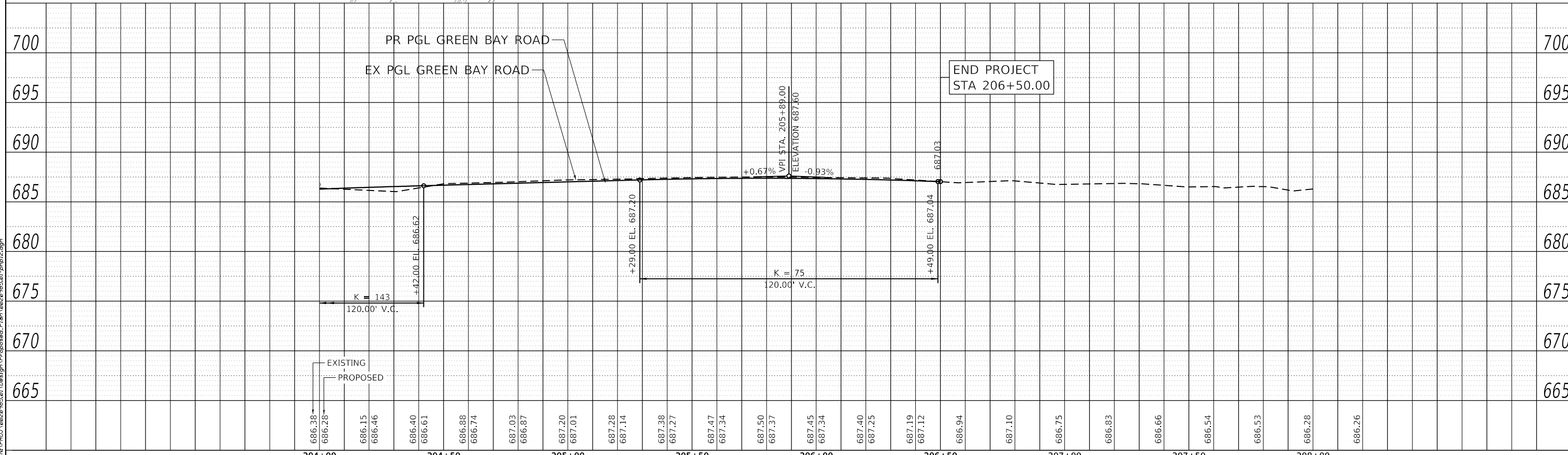
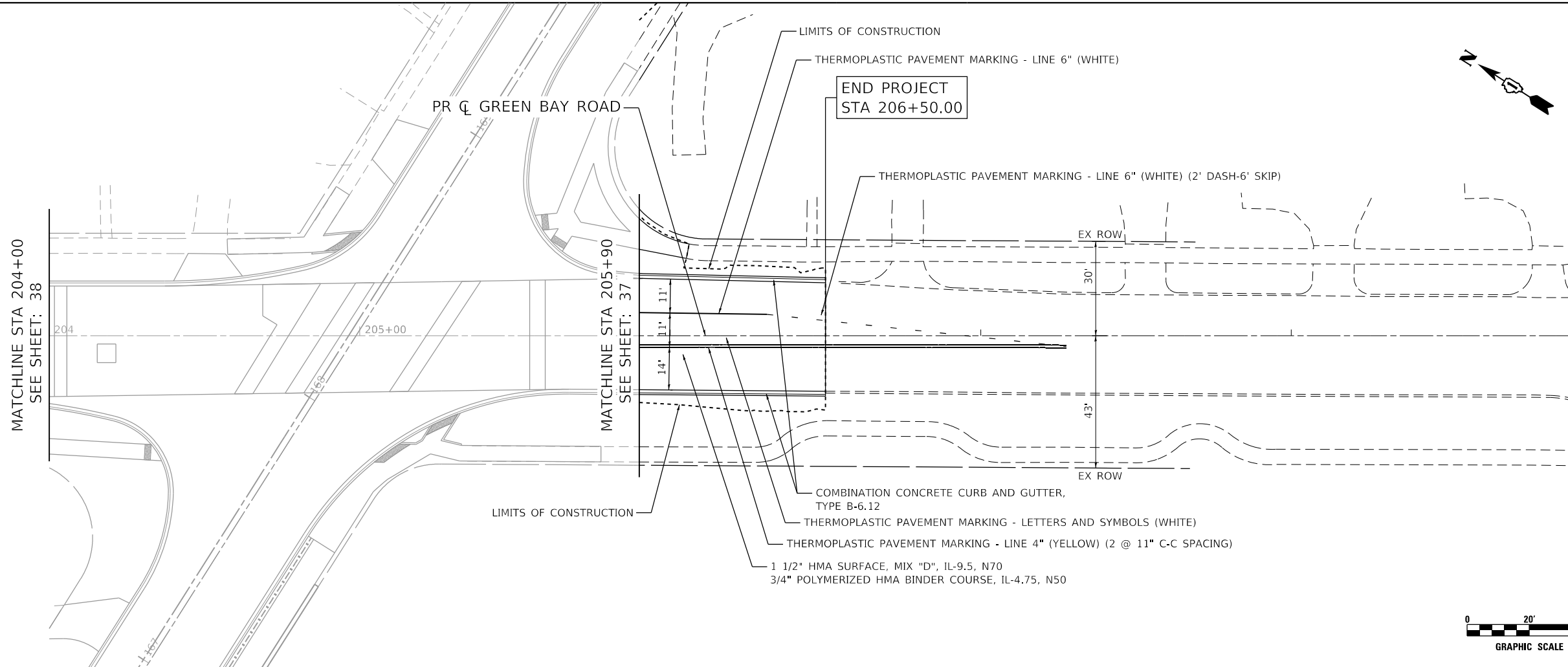
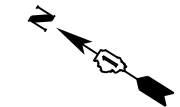
FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 37
CONTRACT NO.				
SCALE: 1" = 20' SHEET NO. 10 OF 12 SHEETS STA. 67+00 TO STA. 72+73.39				

ILLINOIS FED. AID PROJECT



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 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com	USER NAME = Roadway DESIGNED - ES DRAWN - ES CHECKED - DJO DATE - 2/26/2020	REVISED - REVISED - REVISED - REVISED -	CITY OF HIGHLAND PARK	CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION PROPOSED PLAN AND PROFILE	SCALE: 1" = 20' SHEET NO. 11 OF 12 SHEETS STA. 200+16.46 TO STA. 204+00	FAU R.T.E. = 1265 SECTION = 15-00125-00-PV COUNTY = LAKE TOTAL SHEETS = 153 SHEET NO. = 38
					CONTRACT NO.	
					ILLINOIS FED. AID PROJECT	



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	204+00	204+50	205+00	205+50	206+00	206+50	207+00	207+50	208+00																										
686.38	686.28	686.15	686.46	686.40	686.61	686.88	686.74	687.03	686.87	687.20	687.01	687.28	687.14	687.38	687.27	687.47	687.34	687.50	687.37	687.45	687.34	687.40	687.25	687.19	687.12	686.94	687.10	686.75	686.83	686.66	686.54	686.53	686.28	686.26	686.26
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p> </div> <div style="width: 30%; text-align: center;"> <p>CITY OF HIGHLAND PARK</p> </div> <div style="width: 30%; text-align: center;"> <p>CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION PROPOSED PLAN AND PROFILE</p> <p>SCALE: 1" = 20' SHEET NO. 12 OF 12 SHEETS STA. 204+00 TO STA. 208+50</p> </div> </div>											<table border="1" style="font-size: 8px;"> <tr><td>FAU RTE.</td><td>SECTION</td><td>COUNTY</td><td>TOTAL SHEETS</td><td>SHEET NO.</td></tr> <tr><td>1265</td><td>15-00125-00-PV</td><td>LAKE</td><td>153</td><td>39</td></tr> </table>	FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	1265	15-00125-00-PV	LAKE	153	39	<p>CONTRACT NO.</p>	<p>ILLINOIS FED. AID PROJECT</p>												
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																															
1265	15-00125-00-PV	LAKE	153	39																															

GENERAL NOTES

1. STAGING WILL BE DONE SEQUENTIALLY AS SHOWN IN THE PLANS TO COMPLY WITH COMMITMENTS AND TO BE ABLE TO MAINTAIN TRAFFIC THROUGHOUT THE AREA.
2. A DROP OFF GREATER THAN 12 INCHES ADJACENT TO AN OPEN TRAFFIC LANE SHALL NOT BE ALLOWED AT THE END OF EACH DAY. THE CONTRACTOR SHALL PROVIDE A MINIMUM 1V:4H AGGREGATE RAMP FOR ALL DROP OFF GREATER THAN 12 INCHES. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
3. TEMPORARY TRAFFIC SIGNALS WILL BE CONSTRUCTED AT CLAVEY ROAD OVER THE SKOKIE RIVER, AND THE INTERSECTIONS OF US 41 AND CLAVEY ROAD AND GREEN BAY ROAD AND CLAVEY ROAD AS SHOWN IN THE PLANS. TEMPORARY INTERSECTION SIGNALIZATION SHALL BE ADJUSTED TO ACCOMMODATE THE VARIOUS STAGES OF CONSTRUCTION SHOWN. NO ADDITIONAL COST SHALL BE PROVIDED FOR THE ADJUSTMENT OF TEMPORARY TRAFFIC SIGNALS. THE EXISTING WHITE ON GREEN MAST ARM SIGNS SHALL BE INSTALLED ON THE TEMPORARY TRAFFIC SIGNAL SET.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 7 CALENDAR DAYS IN ADVANCE OF TRAFFIC CONTROL SWITCH BETWEEN STAGES. THE CONTRACTOR SHALL ALSO CONFIRM THE PLANNED STAGE CHANGE WITH THE ENGINEER 24 HOURS PRIOR.
5. TYPE III BARRICADES WILL BE PROVIDED AT LOCATIONS SHOWN IN THE PLANS TO PROVIDE A PROPER CLOSURE, SPACING AND PLACEMENT AS SHOWN ON STANDARD 701901 OR AS APPROVED BY THE ENGINEER.
6. PRIOR TO REMOVING TRAFFIC CONTROL AND OPENING CLOSED PAVEMENT AREAS TO TRAFFIC, THE CONTRACTOR SHALL SWEEP THE PAVEMENT SURFACE CLEAN. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
7. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL ENTRANCES THAT ARE TO REMAIN OPEN WITHIN A WORK ZONE AS REQUIRED PER THE TEMPORARY ACCESS SPECIAL PROVISION.
8. PAVEMENT, CURB, SIDEWALK AND DRIVEWAYS TO BE REMOVED MUST BE COMPLETELY REMOVED FROM THE SITE BY THE END OF THE DAY. NO REMOVAL ITEMS MAY BE STORED ON SITE.
9. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE A SHUTTLE SERVICE THROUGH THE BRIDGE WORK ZONE DURING THE DECK POUR AND AT ANY OTHER TIME THAT THE CONTRACTOR DESIRES TO INTERRUPT PEDESTRIAN ACCESS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
10. SIDEWALK CLOSURES SHALL BE ACCORDING TO STANDARD 701801.

STAGING NOTES

- PRE-STAGE
- CONSTRUCTION:
1. REMOVE TREES AND EXISTING SOUTH SIDE CURB AND GUTTER. ADJUST DRAINAGE STRUCTURES WITH NEW TYPE 1 FRAME AND OPEN LID
 2. CONSTRUCT TEMPORARY PAVEMENT AND TEMPORARY SIDEWALK
 3. SET TEMPORARY CONCRETE BARRIER
- MAINTENANCE OF TRAFFIC:
1. ERECT TEMPORARY SIGNALS
 2. DAYTIME MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON THE EXISTING WESTBOUND PAVEMENT PER STANDARD 701501.
 3. NIGHTTIME MAINTAIN TRAFFIC IN EACH DIRECTION ON EXISTING WESTBOUND AND EASTBOUND PAVEMENT WITH DRUMS ALONG THE WORK ZONE.
- STAGE 1
- CLAVEY ROAD
- CONSTRUCTION:
1. REMOVE TREES
 2. CONSTRUCT PROPOSED WESTBOUND PAVEMENT AND NORTH SIDE OF BRIDGE
 3. CONSTRUCT TEMPORARY PAVEMENT
- MAINTENANCE OF TRAFFIC:
1. SIGN AND MAINTAIN TRUCK DETOUR ROUTE
 2. ROADWAY - MAINTAIN ONE LANE IN EACH DIRECTION ON EXISTING AND TEMPORARY PAVEMENT AS SHOWN IN THE TRAFFIC CONTROL PLANS.
 3. BRIDGE MAINTAIN ONE LANE IN EACH DIRECTION ON EASTBOUND PAVEMENT AND BRIDGE PER STANDARD 701321
 4. MAINTAIN PEDESTRIAN TRAFFIC AND TEMPORARY SIDEWALK AND EXISTING BRIDGE AS SHOWN IN THE TRAFFIC CONTROL PLANS
- GREEN BAY ROAD
- CONSTRUCTION:
1. REMOVE EXISTING WEST SIDE CURB AND GUTTER AND TRAFFIC SIGNALS
 2. CONSTRUCT WIDENING AND CURB AND GUTTER
- MAINTENANCE OF TRAFFIC:
1. DAYTIME MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON THE EXISTING NORTHBOUND PAVEMENT PER STANDARD 701501
 2. NIGHTTIME MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON EXISTING NORTHBOUND AND SOUTHBOUND PAVEMENT WITH DRUMS ALONG THE WORK ZONE
- STAGE 1A
- CLAVEY ROAD
- CONSTRUCTION:
1. CONSTRUCT REMAINING WESTBOUND PAVEMENT UPON COMPLETION OF STAGE 1 BRIDGE AND ROADWAY
- MAINTENANCE OF TRAFFIC:
1. MAINTAIN TRUCK DETOUR ROUTE
 2. ROADWAY - MAINTAIN ONE LANE IN EACH DIRECTION ON EXISTING AND TEMPORARY PAVEMENT AS SHOWN IN THE TRAFFIC CONTROL PLANS.
 3. ROADWAY AT BRIDGE DAYTIME MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON THE EXISTING WESTBOUND PAVEMENT PER STANDARD 701501.
 4. ROADWAY AT BRIDGE NIGHTTIME MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON AGGREGATE, EXISTING PAVEMENT OR NEW PAVEMENT PER STANDARD 701321. SEE TEMPORARY ACCESS SPECIAL PROVISION.
 5. MAINTAIN PEDESTRIAN TRAFFIC AND TEMPORARY SIDEWALK AND EXISTING BRIDGE AS SHOWN IN THE TRAFFIC CONTROL PLANS

STAGING NOTES CONT.

- STAGE 2
- CLAVEY ROAD
- CONSTRUCTION:
1. CONSTRUCT PROPOSED EASTBOUND PAVEMENT AND CURB AND GUTTER AND SOUTH SIDE OF BRIDGE
- MAINTENANCE OF TRAFFIC:
1. MAINTAIN TRUCK DETOUR ROUTE
 2. ROADWAY MAINTAIN ONE LANE IN EACH DIRECTION ON NEW AND TEMPORARY PAVEMENT AS SHOWN IN THE TRAFFIC CONTROL PLANS
 3. BRIDGE MAINTAIN ONE LANE IN EACH DIRECTION ON WESTBOUND PAVEMENT AND BRIDGE PER STANDARD 701321
 4. MAINTAIN PEDESTRIAN TRAFFIC ON EXISTING AND TEMPORARY SIDEWALK AND NEW BRIDGE AS SHOWN IN THE PLANS.
 5. DURING THE DECK POUR THE PEDESTRIAN ACCESS SHALL BE CLOSED. CONTRACTOR SHALL PROVIDE SHUTTLE SERVICE TO PEDESTRIANS THROUGH THE BRIDGE WORK ZONE.
- GREEN BAY ROAD
- CONSTRUCTION:
1. INTERMITTENT EAST SIDE CURB AND GUTTER REMOVAL AND REPLACEMENT
- MAINTENANCE OF TRAFFIC:
1. DAYTIME MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON THE EXISTING NORTHBOUND PAVEMENT PER STANDARD 701501
 2. NIGHTTIME MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON EXISTING PAVEMENT WITH DRUMS ALONG THE WORK ZONE
- BLACKSTONE PLACE
- CONSTRUCTION:
1. RECONSTRUCT BLACKSTONE PLACE AS SHOWN IN THE PLANS
- MAINTENANCE OF TRAFFIC:
1. DAYTIME MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION PER STANDARD 701501.
 2. NIGHTTIME MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON AGGREGATE, EXISTING PAVEMENT OR NEW PAVEMENT. SEE TEMPORARY ACCESS SPECIAL PROVISION.
- STAGE 2A
- CLAVEY ROAD
- CONSTRUCTION:
1. CONSTRUCT REMAINING EASTBOUND PAVEMENT UPON COMPLETION OF STAGE 2 BRIDGE AND ROADWAY
- MAINTENANCE OF TRAFFIC:
1. MAINTAIN TRUCK DETOUR ROUTE
 2. ROADWAY - MAINTAIN ONE LANE IN EACH DIRECTION ON EXISTING AND TEMPORARY PAVEMENT AS SHOWN IN THE TRAFFIC CONTROL PLANS.
 3. ROADWAY AT BRIDGE DAYTIME MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON THE NEW EASTBOUND PAVEMENT PER STANDARD 701501.
 3. ROADWAY AT BRIDGE NIGHTTIME MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON AGGREGATE, EXISTING PAVEMENT OR NEW PAVEMENT PER STANDARD 701321. SEE TEMPORARY ACCESS SPECIAL PROVISION.
 4. MAINTAIN PEDESTRIAN TRAFFIC AND TEMPORARY SIDEWALK AND EXISTING BRIDGE AS SHOWN IN THE TRAFFIC CONTROL PLANS
- STAGE 3
- CONSTRUCTION:
1. CONSTRUCT SHARED USE PATH
- MAINTENANCE OF TRAFFIC:
1. MAINTAIN TRUCK DETOUR ROUTE
 2. MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON NEW PAVEMENT AS SHOWN IN THE TRAFFIC CONTROL PLANS
 3. MAINTAIN PEDESTRIAN TRAFFIC ON TEMPORARY PAVEMENT AND BRIDGE AS SHOWN IN THE PLANS

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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
MAINTENANCE OF TRAFFIC GENERAL NOTES AND
CONSTRUCTION STAGING**

SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	40
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

STAGING NOTES CONT.

STAGE 4

CONSTRUCTION:

- 1. REMOVE TEMPORARY PAVEMENT
- 2. ADJUST DRAINAGE STRUCTURES
- 3. CONSTRUCT CURB AND GUTTER

MAINTENANCE OF TRAFFIC:

- 1. MAINTAIN TRUCK DETOUR ROUTE
- 2. DAYTIME - MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION ON NEW EASTBOUND PAVEMENT PER STANDARD 701501 FOR REMOVALS AND CURB AND GUTTER WORK
- 3. NIGHTTIME - MAINTAIN TRAFFIC IN EACH DIRECTION ON NEW WESTBOUND AND EASTBOUND PAVEMENT WITH DRUMS ALONG THE WORK ZONE.
- 4. MAINTAIN PEDESTRIAN TRAFFIC ON NEW SHARED USE PATH

STAGE 5

CONSTRUCTION:

- 1. HMA SURFACE COURSE
- 2. PAVEMENT MARKINGS

MAINTENANCE OF TRAFFIC:

- 1. REMOVE TRUCK DETOUR ROUTE
- 2. MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION PER STANDARD 701301 FOR HMA SURFACE COURSE OPERATIONS
- 3. MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION PER STANDARD 701311 FOR PAVEMENT MARKING
- 4. MAINTAIN PEDESTRIAN TRAFFIC ON NEW SHARED USE PATH

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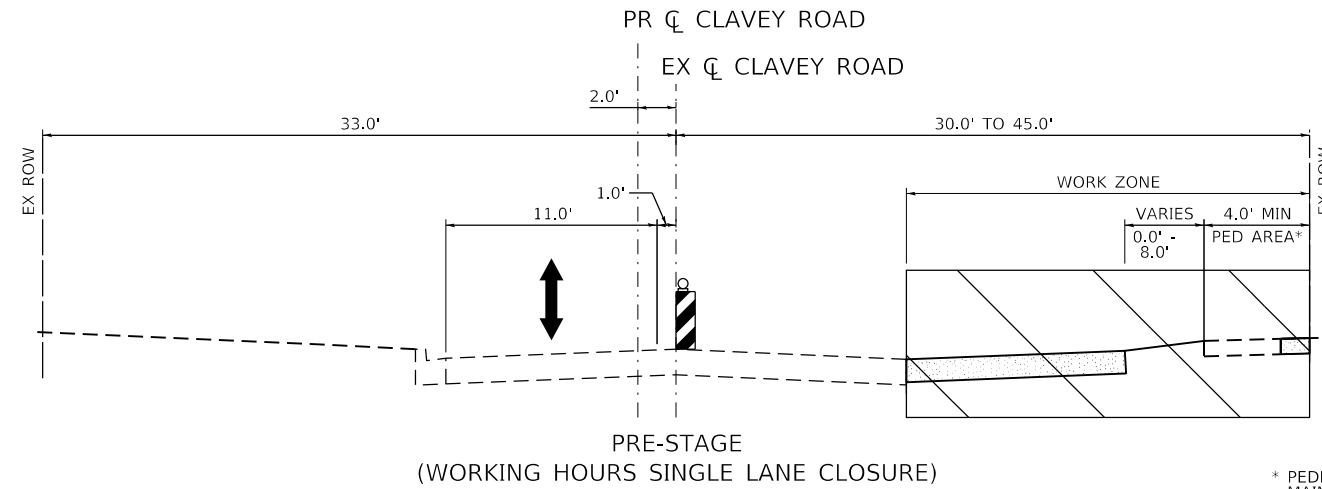
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**CITY OF
HIGHLAND PARK**

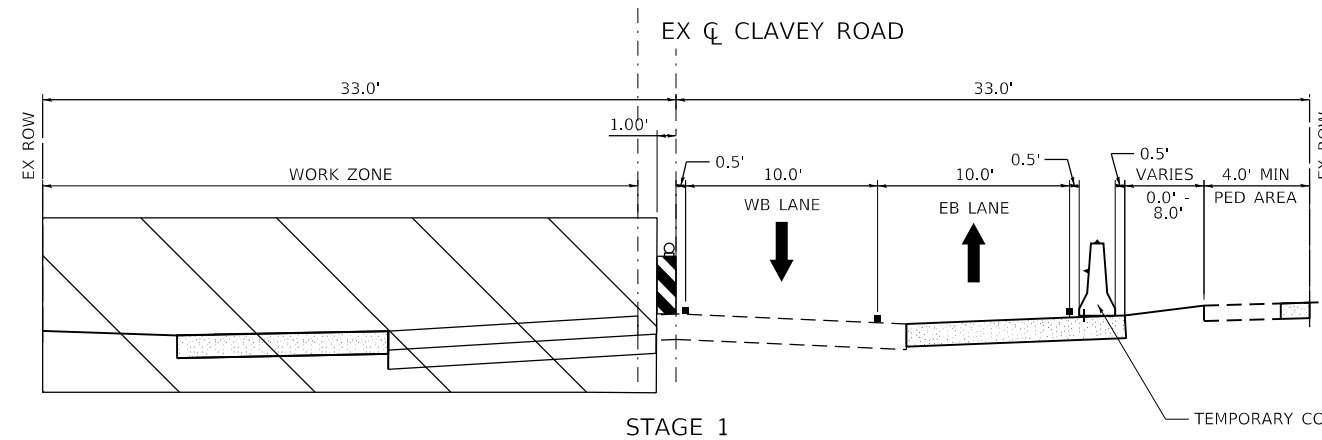
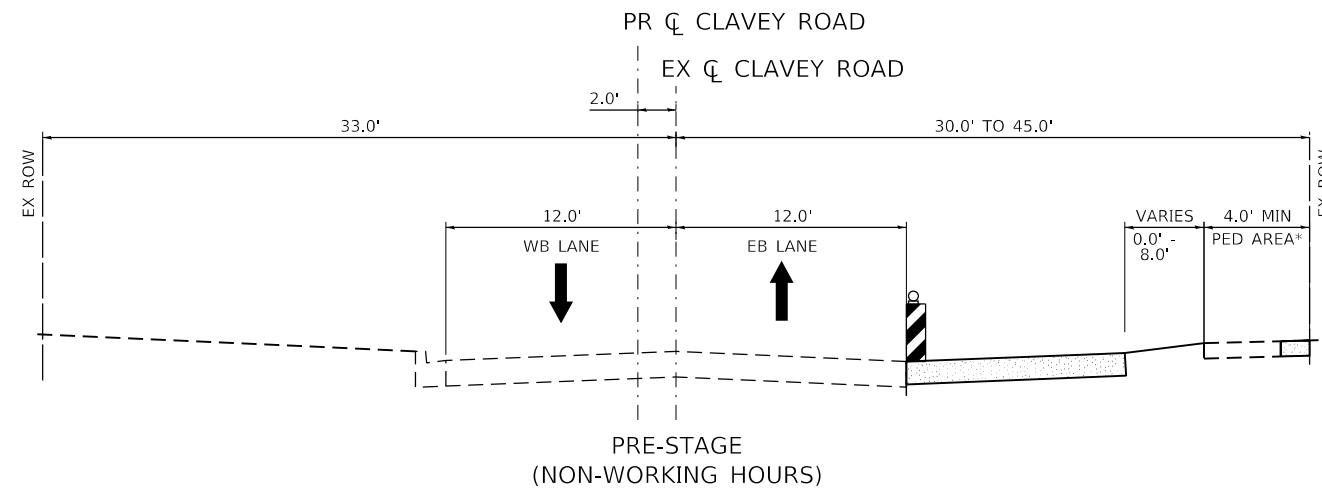
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
MAINTENANCE OF TRAFFIC GENERAL NOTES AND
CONSTRUCTION STAGING**

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	41
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



* PEDESTRIAN ACCESS SHALL BE MAINTAINED DURING CONSTRUCTION OF TEMPORARY SIDEWALK



*SEE MOT AND BRIDGE PLANS FOR STAGING OF BN 049-6585

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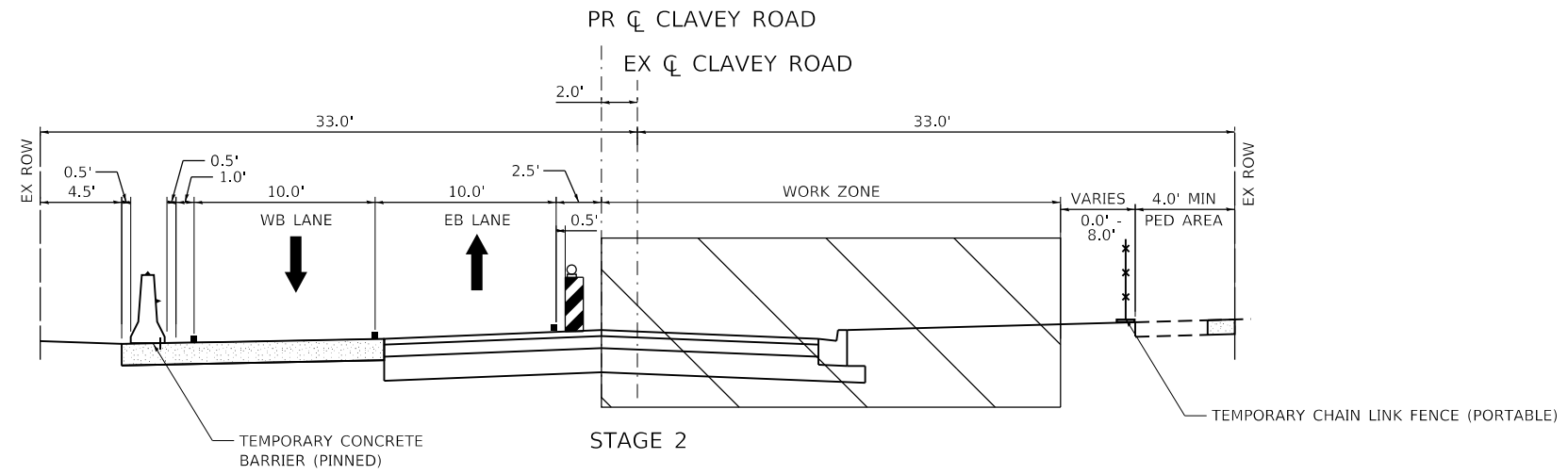
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CITY OF
HIGHLAND PARK

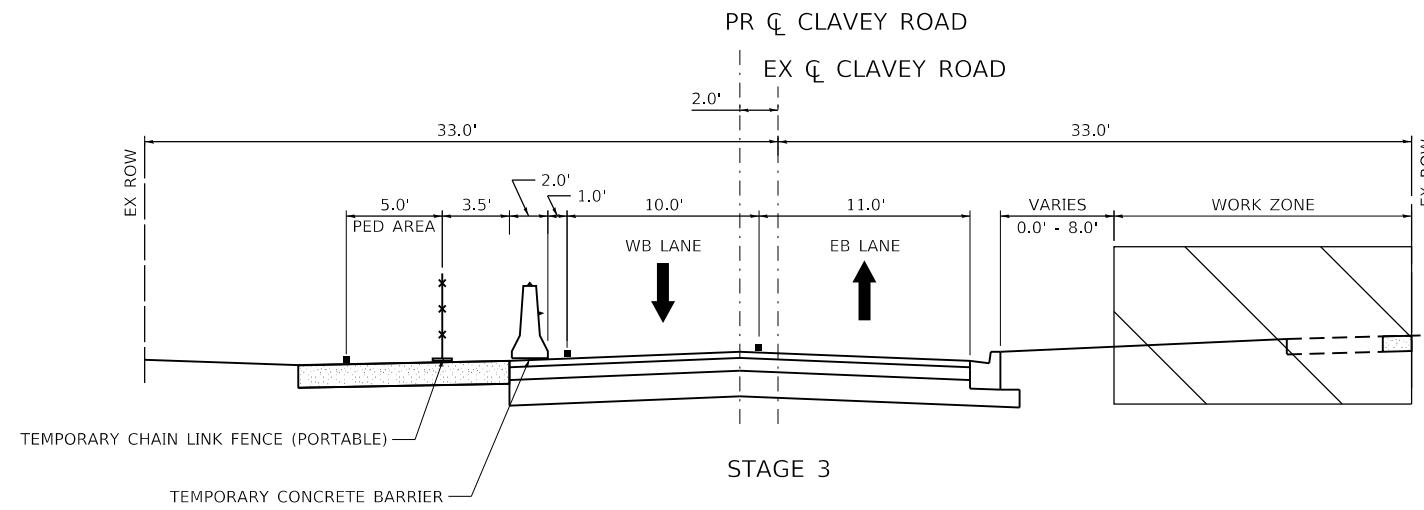
CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: 1" = 5' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	42
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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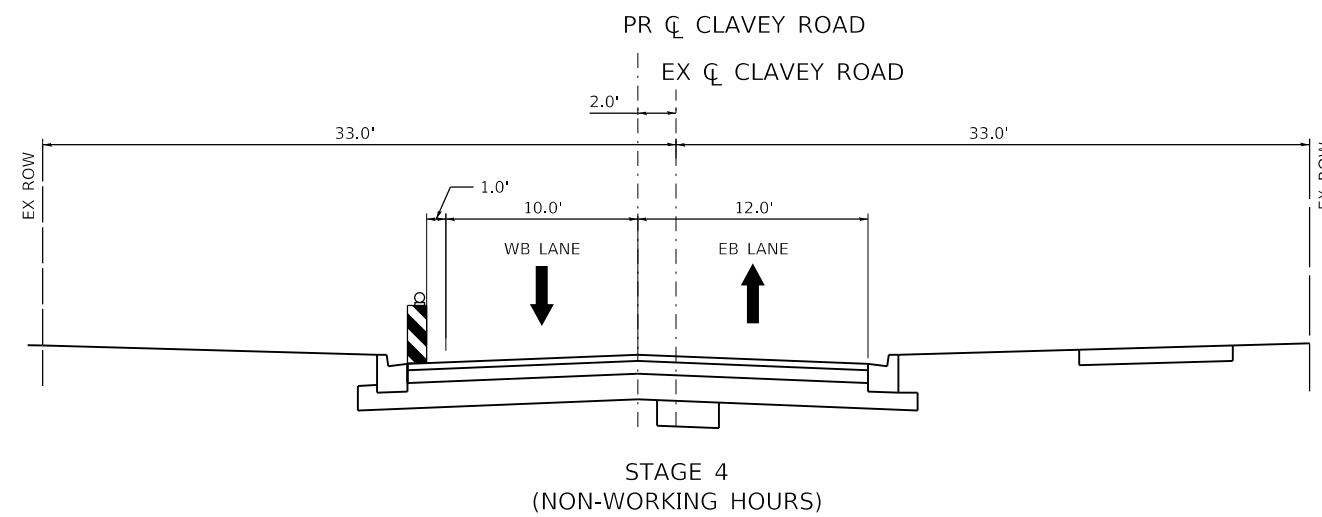
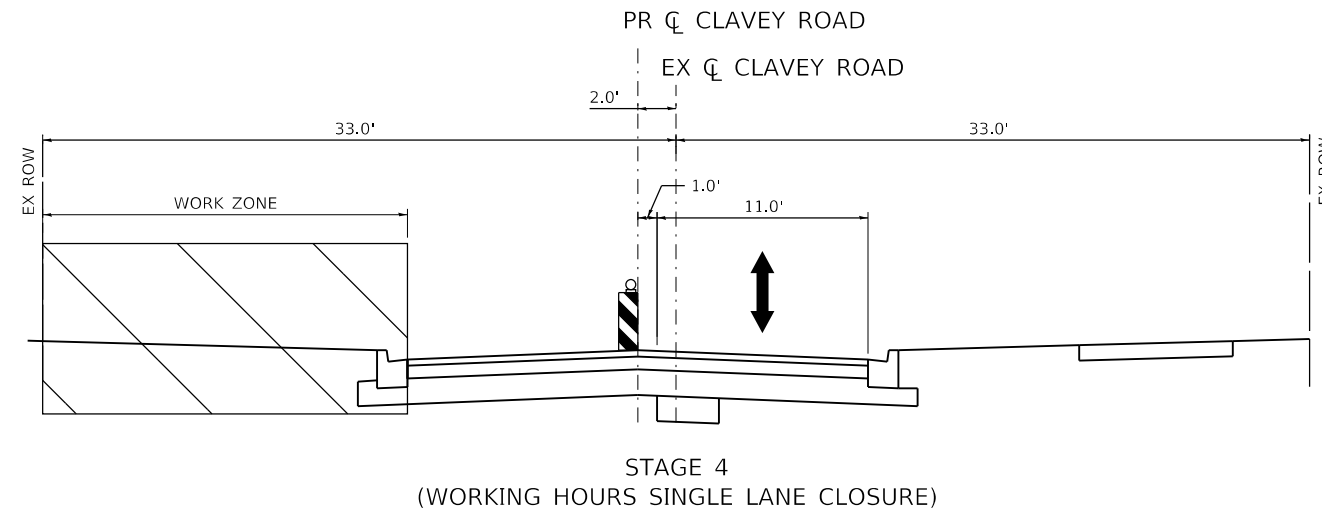
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CITY OF
HIGHLAND PARK

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 MAINTENANCE OF TRAFFIC
 TYPICAL SECTIONS

SCALE: 1" = 5' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

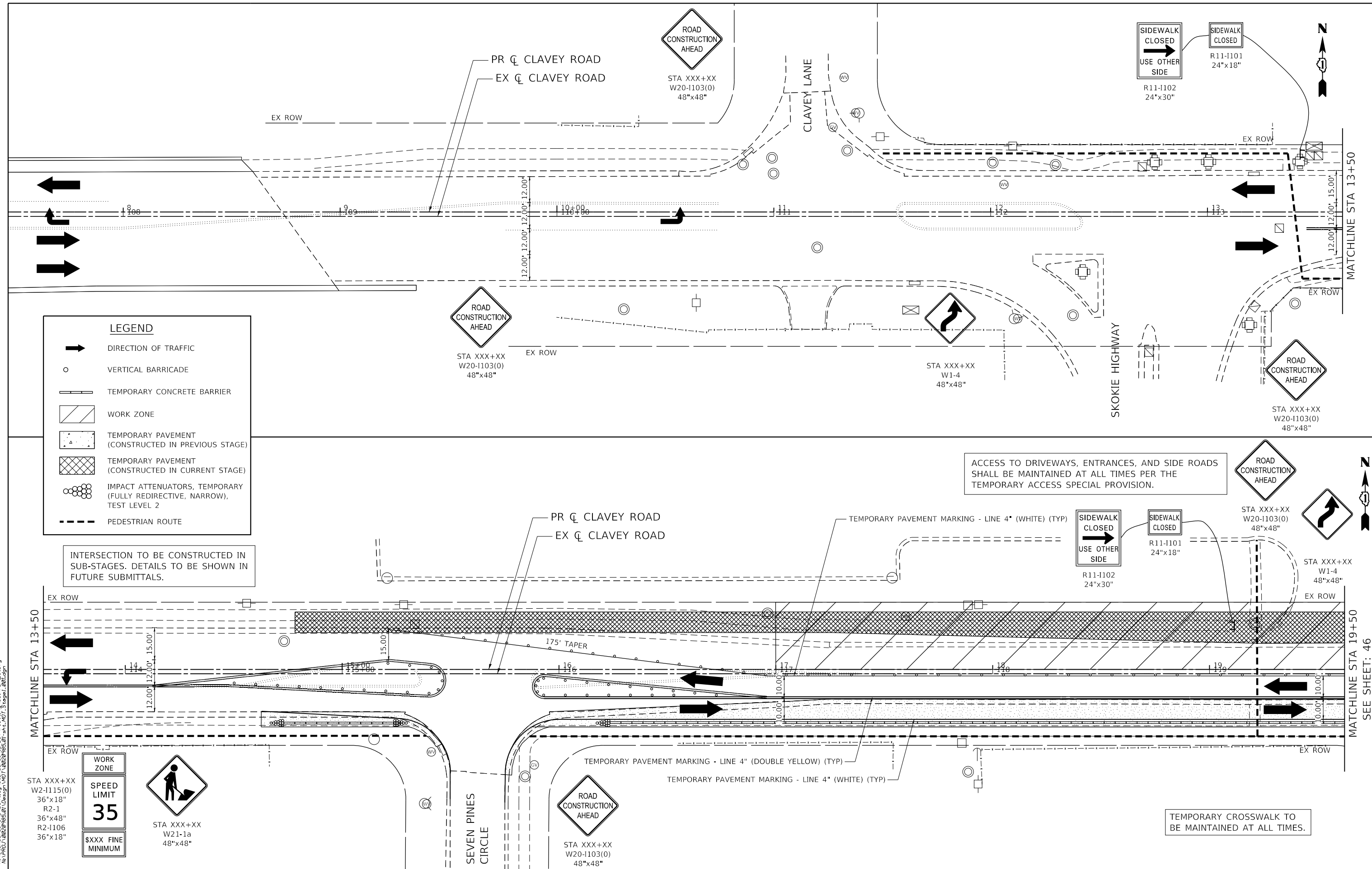
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	43
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	44
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



LEGEND

- DIRECTION OF TRAFFIC
- VERTICAL BARRICADE
- TEMPORARY CONCRETE BARRIER
- WORK ZONE
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CONSTRUCTED IN CURRENT STAGE)
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- PEDESTRIAN ROUTE

INTERSECTION TO BE CONSTRUCTED IN SUB-STAGES. DETAILS TO BE SHOWN IN FUTURE SUBMITTALS.

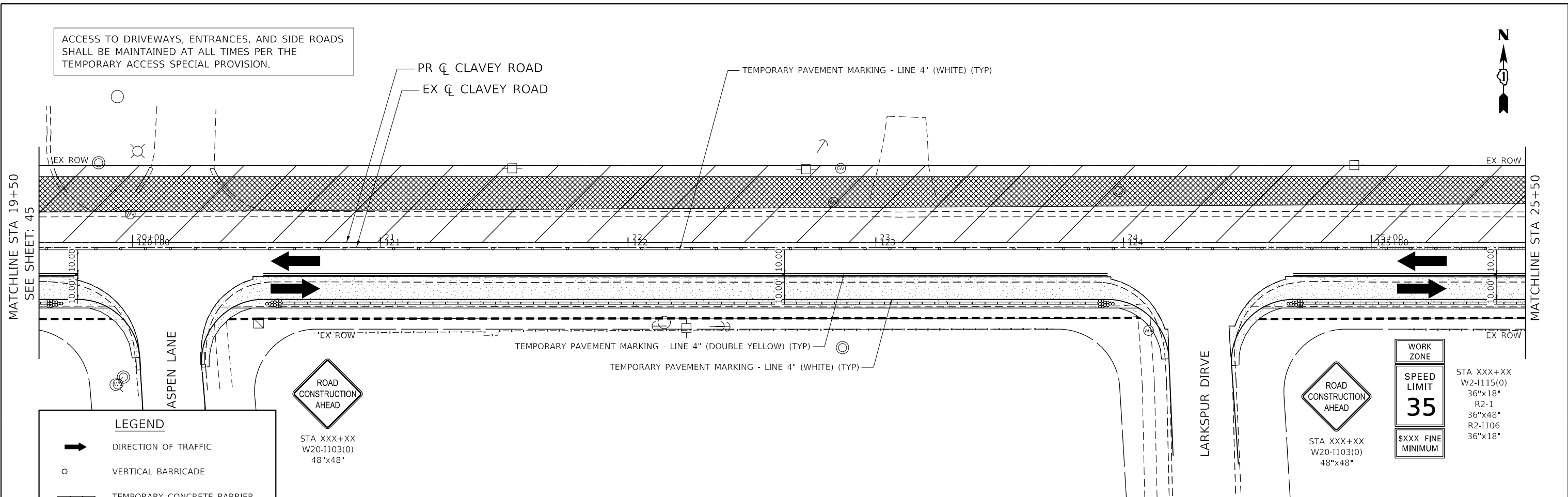
ACCESS TO DRIVEWAYS, ENTRANCES, AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES PER THE TEMPORARY ACCESS SPECIAL PROVISION.

TEMPORARY CROSSWALK TO BE MAINTAINED AT ALL TIMES.

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ENGINEERING CONSULTANT 	USER NAME = Roadway	DESIGNED - ES	REVISED -	CITY OF HIGHLAND PARK	CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION MAINTENANCE OF TRAFFIC STAGE 1	FAU R.T.E. = 1265	SECTION = 15-00125-00-PV	COUNTY = LAKE	TOTAL SHEETS = 153	SHEET NO. = 45
	PLOT SCALE = 40,0000' / 1"	CHECKED - DJO	REVISED -			SCALE: 1" = 20' SHEET NO. 1 OF 6 SHEETS STA. 7+50 TO STA. 19+50	CONTRACT NO.		ILLINOIS FED. AID PROJECT	
STA XXX+XX W2-1115(0) 36"x18" R2-1 36"x48" R2-1106 36"x18" \$XXX FINE MINIMUM	STA XXX+XX W21-1a 48"x48"	DATE = 2/27/2020	PLOT DATE = 2/27/2020							

ACCESS TO DRIVEWAYS, ENTRANCES, AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES PER THE TEMPORARY ACCESS SPECIAL PROVISION.



LEGEND

- DIRECTION OF TRAFFIC
- VERTICAL BARRICADE
- TEMPORARY CONCRETE BARRIER
- WORK ZONE
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CONSTRUCTED IN CURRENT STAGE)
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- PEDESTRIAN ROUTE

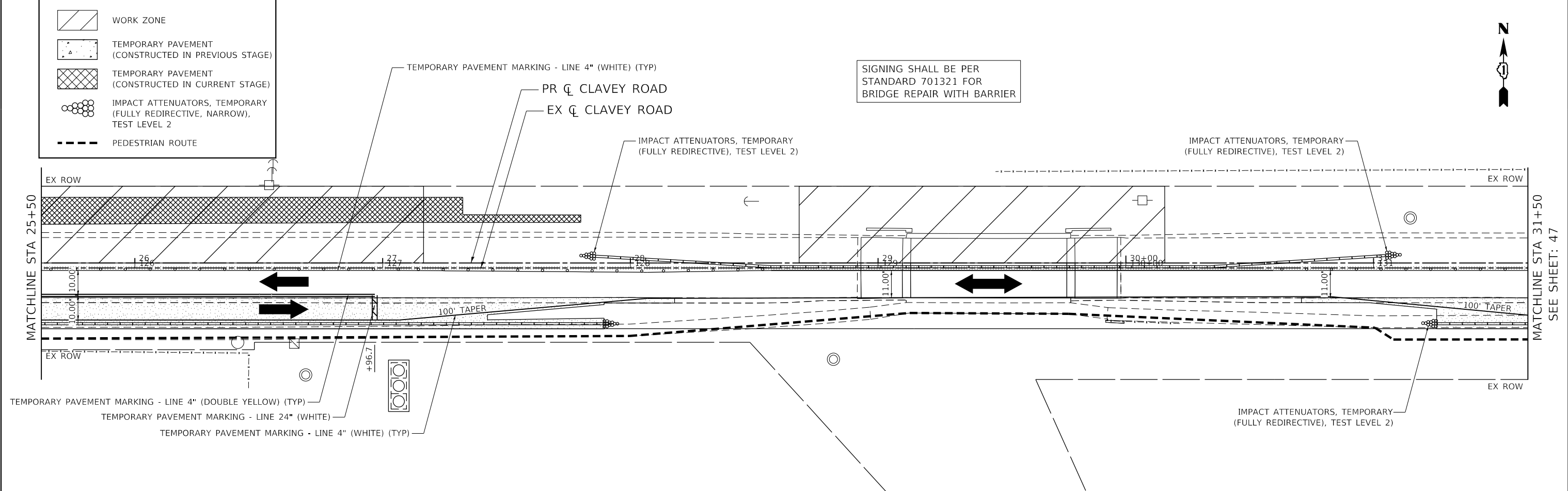
ROAD CONSTRUCTION AHEAD
STA XXX+XX
W20-1103(0)
48"x48"

ROAD CONSTRUCTION AHEAD
STA XXX+XX
W20-1103(0)
48"x48"

WORK ZONE
SPEED LIMIT
35
SXXX FINE MINIMUM

STA XXX+XX
W2-1115(0)
36"x18"
R2-1
36"x48"
R2-1106
36"x18"

SIGNING SHALL BE PER STANDARD 701321 FOR BRIDGE REPAIR WITH BARRIER



ENGINEERING CONSULTANT

USER NAME = Roadway	DESIGNED - ES	REVISED -
PLOT SCALE = 40.0000' / 1"	DRAWN - ES	REVISED -
PLOT DATE = 2/26/2020	CHECKED - DJO	REVISED -
	DATE - 2/26/2020	REVISED -

CITY OF HIGHLAND PARK

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
MAINTENANCE OF TRAFFIC
STAGE 1**

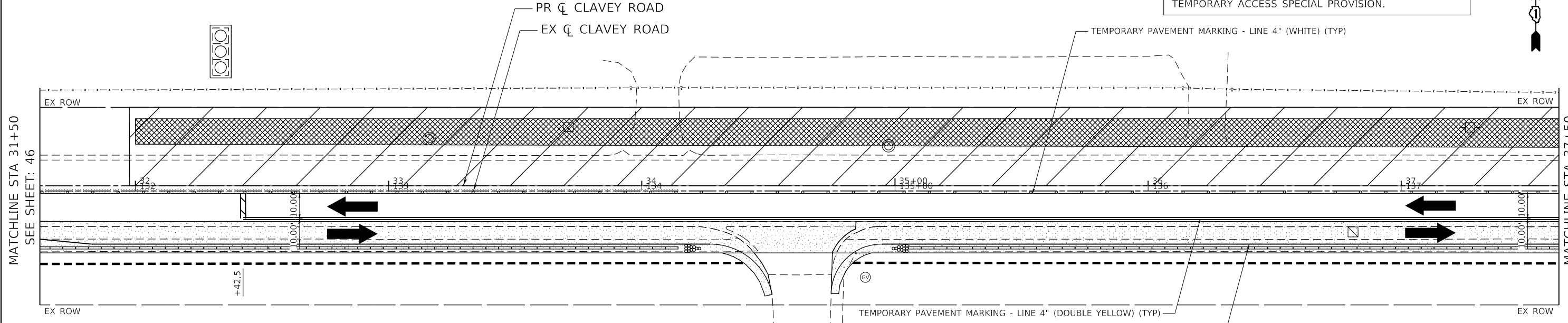
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	46
CONTRACT NO.				

ILLINOIS FED. AID PROJECT

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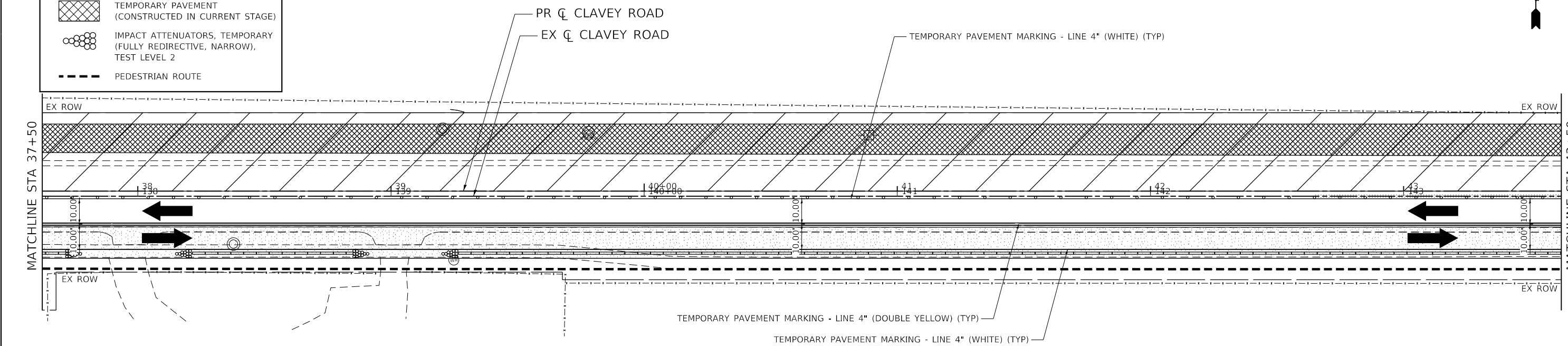
ACCESS TO DRIVEWAYS, ENTRANCES, AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES PER THE TEMPORARY ACCESS SPECIAL PROVISION.



SIGNING SHALL BE PER STANDARD 701321 FOR BRIDGE REPAIR WITH BARRIER

LEGEND

- DIRECTION OF TRAFFIC
- VERTICAL BARRICADE
- TEMPORARY CONCRETE BARRIER
- WORK ZONE
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CONSTRUCTED IN CURRENT STAGE)
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- PEDESTRIAN ROUTE



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ENGINEERING CONSULTANT
 CiorbaGroup
 8725 W. Higgins Rd., Ste 600, Chicago, IL 60631 | 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - ES	REVISED -
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CITY OF HIGHLAND PARK

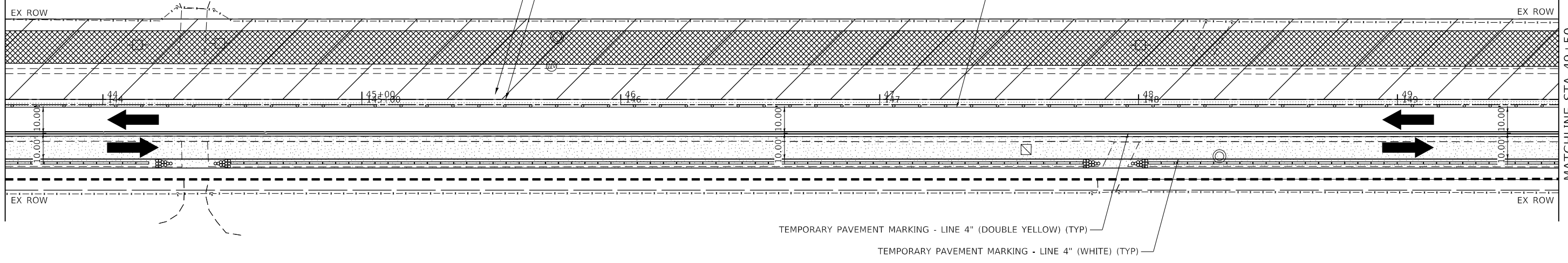
CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
MAINTENANCE OF TRAFFIC
STAGE 1
 SCALE: 1" = 20' SHEET NO. 3 OF 6 SHEETS STA. 31+50 TO STA. 43+50

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 47
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

ACCESS TO DRIVEWAYS, ENTRANCES, AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES PER THE TEMPORARY ACCESS SPECIAL PROVISION.



MATCHLINE STA 43+50
SEE SHEET: 47



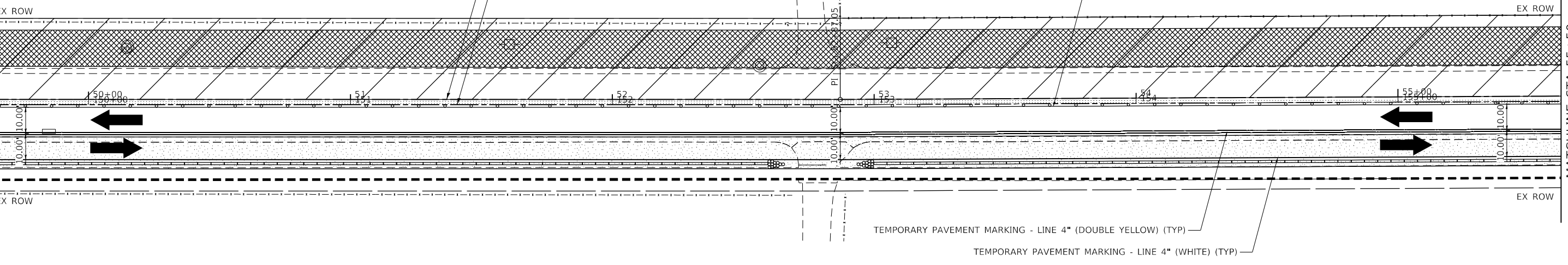
MATCHLINE STA 49+50

LEGEND

- DIRECTION OF TRAFFIC
- VERTICAL BARRICADE
- TEMPORARY CONCRETE BARRIER
- WORK ZONE
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CONSTRUCTED IN CURRENT STAGE)
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- PEDESTRIAN ROUTE



MATCHLINE STA 49+50



MATCHLINE STA 55+50
SEE SHEET: 49

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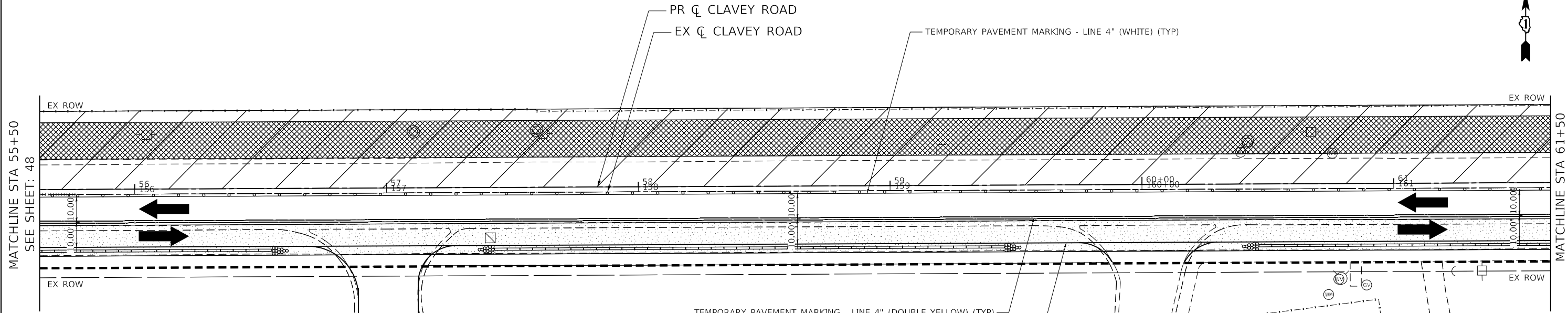
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	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
MAINTENANCE OF TRAFFIC
STAGE 1**

SCALE: 1" = 20' SHEET NO. 4 OF 6 SHEETS STA. 43+50 TO STA. 55+50

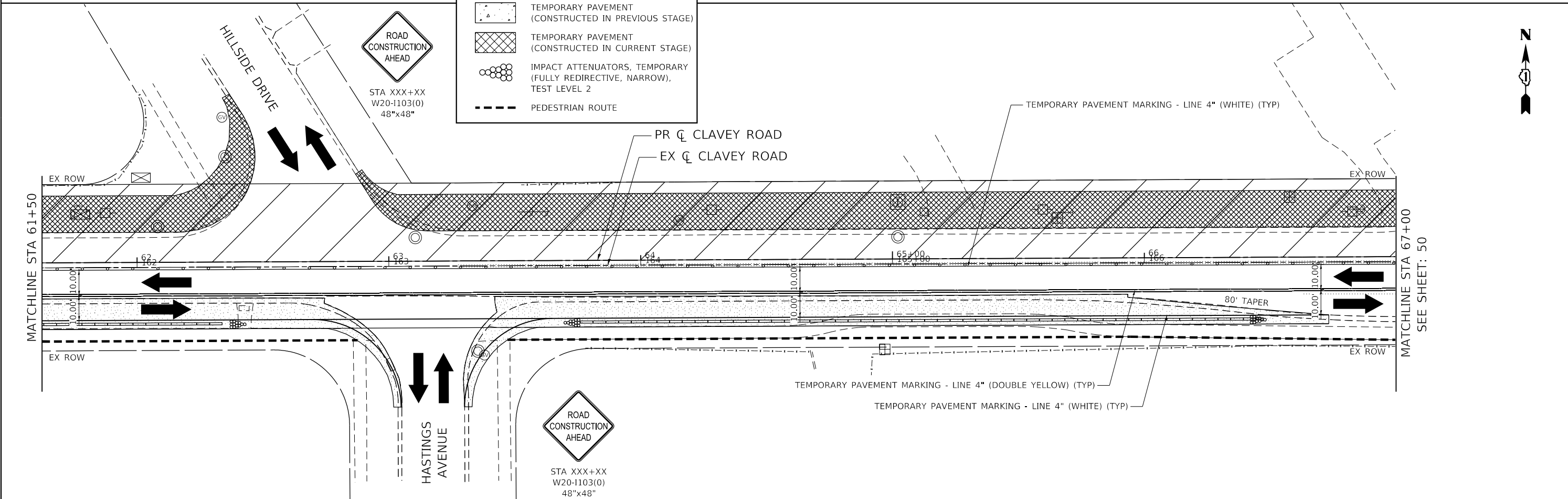
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	48
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



LEGEND

- DIRECTION OF TRAFFIC
- VERTICAL BARRICADE
- TEMPORARY CONCRETE BARRIER
- WORK ZONE
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CONSTRUCTED IN CURRENT STAGE)
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- PEDESTRIAN ROUTE

ACCESS TO DRIVEWAYS, ENTRANCES, AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES PER THE TEMPORARY ACCESS SPECIAL PROVISION.



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 CiorbaGroup
 8725 W. Higgins Rd., Ste 600, Chicago, IL 60631 | 773.775.4009 | www.ciorba.com

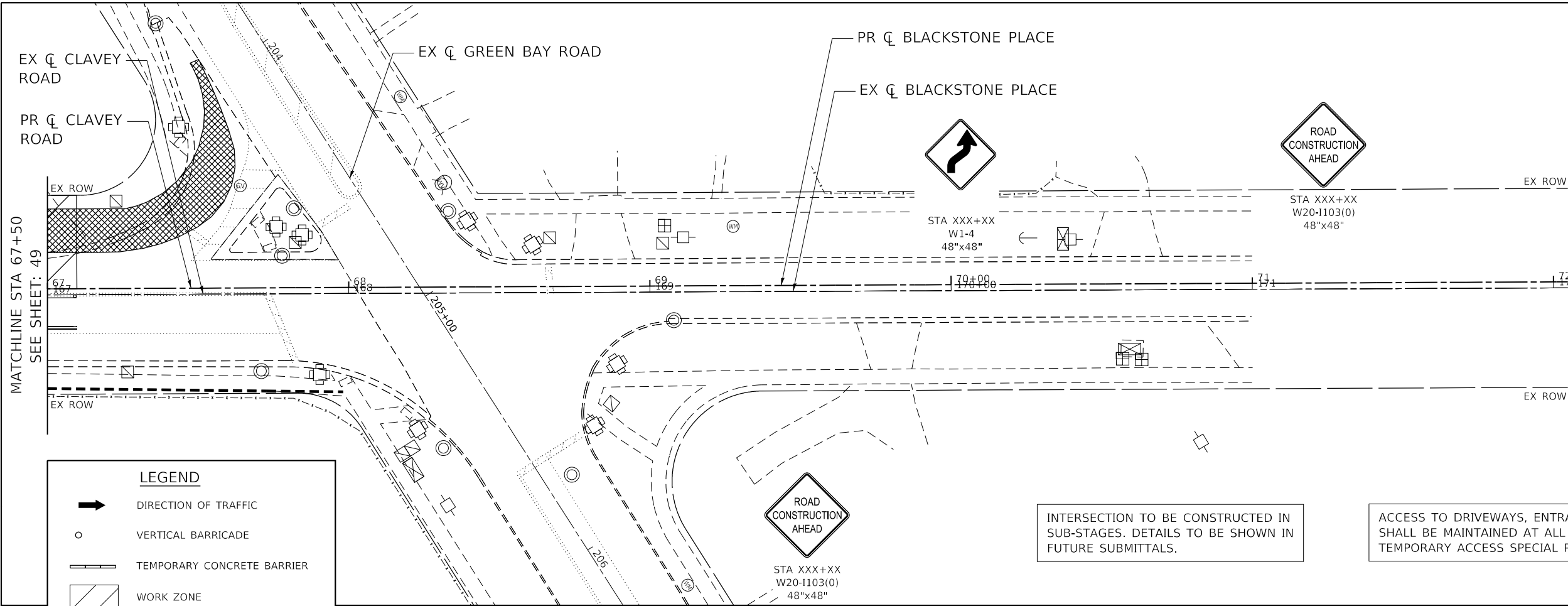
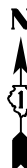
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CITY OF HIGHLAND PARK

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 MAINTENANCE OF TRAFFIC
 STAGE 1**

SCALE: 1" = 20' SHEET NO. 5 OF 6 SHEETS STA. 55+50 TO STA. 67+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	49
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



LEGEND	
	DIRECTION OF TRAFFIC
	VERTICAL BARRICADE
	TEMPORARY CONCRETE BARRIER
	WORK ZONE
	TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
	TEMPORARY PAVEMENT (CONSTRUCTED IN CURRENT STAGE)
	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
	PEDESTRIAN ROUTE

INTERSECTION TO BE CONSTRUCTED IN SUB-STAGES. DETAILS TO BE SHOWN IN FUTURE SUBMITTALS.

ACCESS TO DRIVEWAYS, ENTRANCES, AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES PER THE TEMPORARY ACCESS SPECIAL PROVISION.

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ENGINEERING CONSULTANT



USER NAME = Roadway

DESIGNED - ES

REVISED -

DRAWN - ES

REVISED -

PLOT SCALE = 40.0000' / 1" =

CHECKED - DJO

REVISED -

PLOT DATE = 2/26/2020

DATE - 2/26/2020

REVISED -

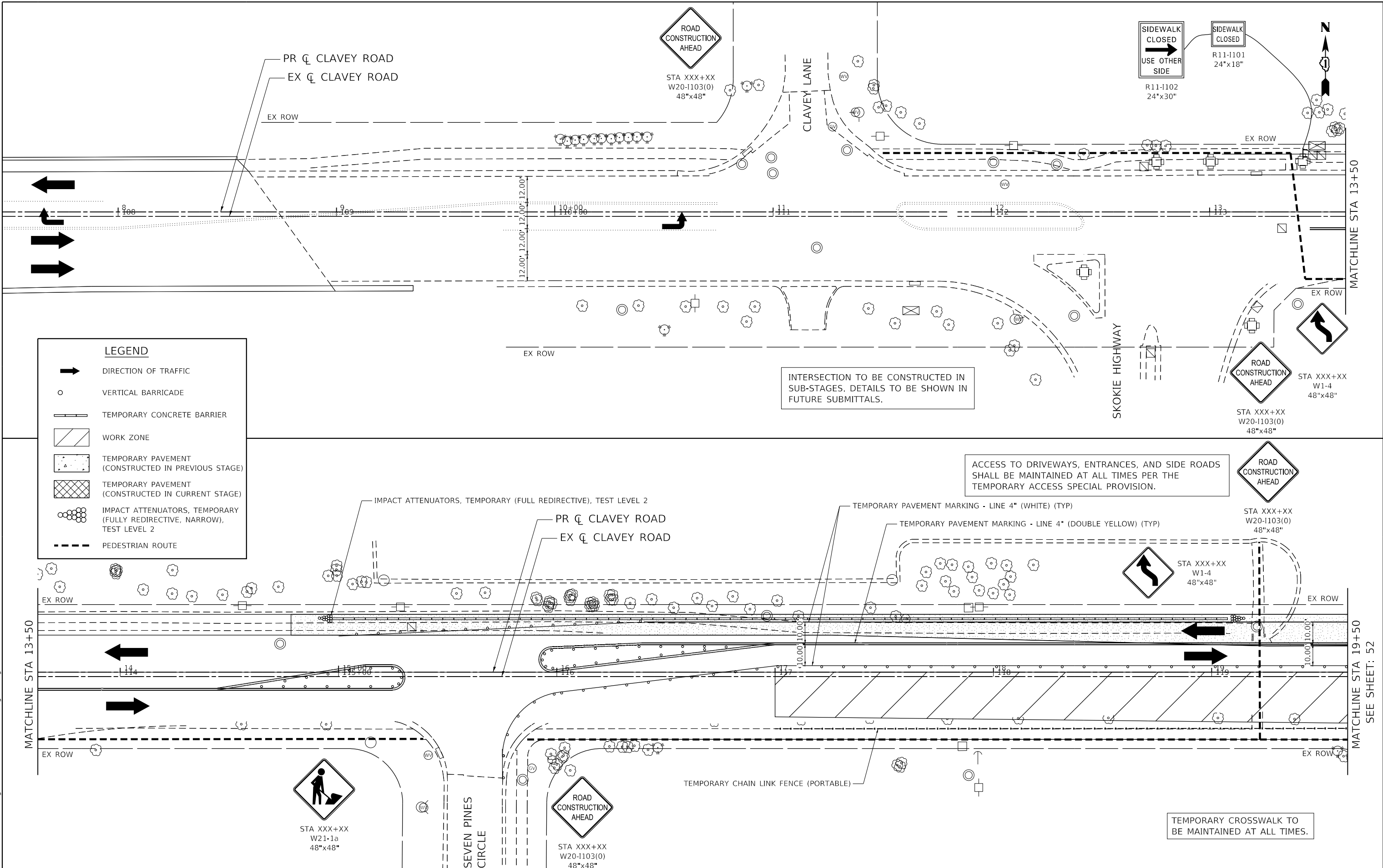
CITY OF
HIGHLAND PARK

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
MAINTENANCE OF TRAFFIC
STAGE 1

SCALE: 1" = 20' SHEET NO. 6 OF 6 SHEETS STA. 67+50 TO STA. 72+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	50
CONTRACT NO.				

ILLINOIS FED. AID PROJECT



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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
MAINTENANCE OF TRAFFIC
STAGE 2**

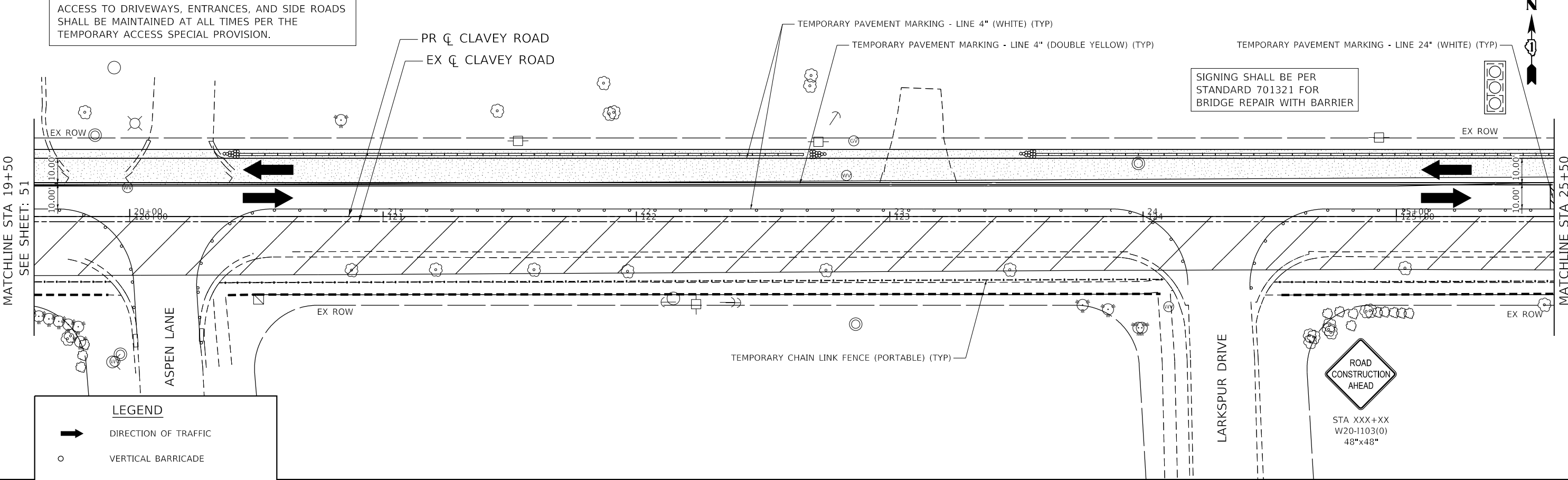
FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	51
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. 1 OF 6 SHEETS STA. 7+50 TO STA. 19+50

SEE SHEET: 52

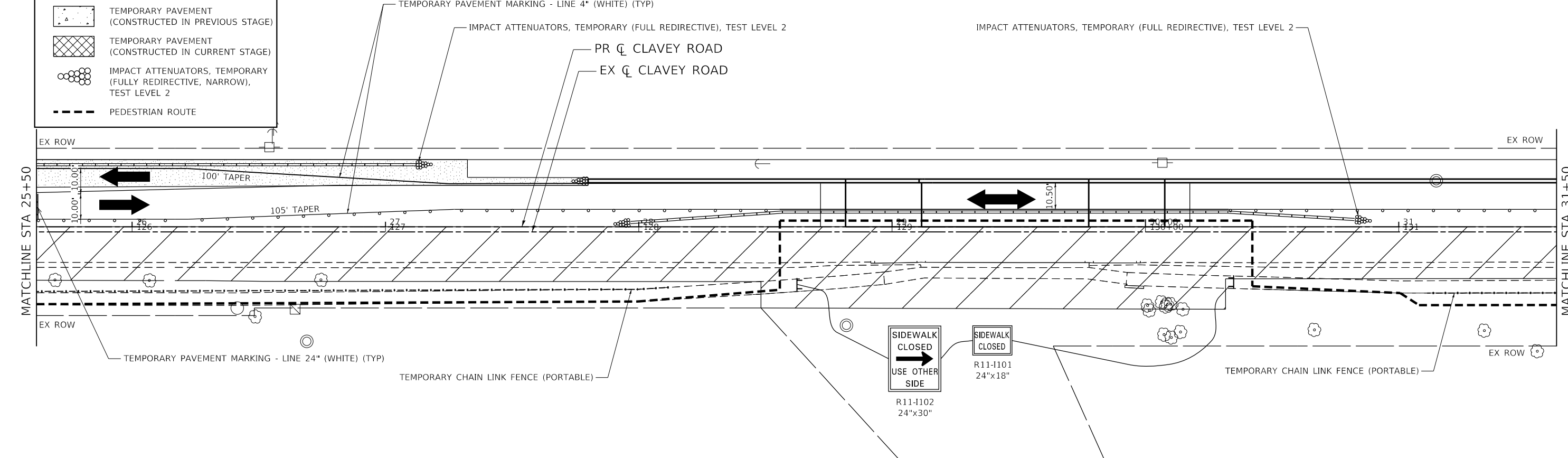
ACCESS TO DRIVEWAYS, ENTRANCES, AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES PER THE TEMPORARY ACCESS SPECIAL PROVISION.

SIGNING SHALL BE PER STANDARD 701321 FOR BRIDGE REPAIR WITH BARRIER



LEGEND

- DIRECTION OF TRAFFIC
- VERTICAL BARRICADE
- TEMPORARY CONCRETE BARRIER
- WORK ZONE
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CONSTRUCTED IN CURRENT STAGE)
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- PEDESTRIAN ROUTE



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ENGINEERING CONSULTANT	USER NAME = Roadway	DESIGNED - ES	REVISED -
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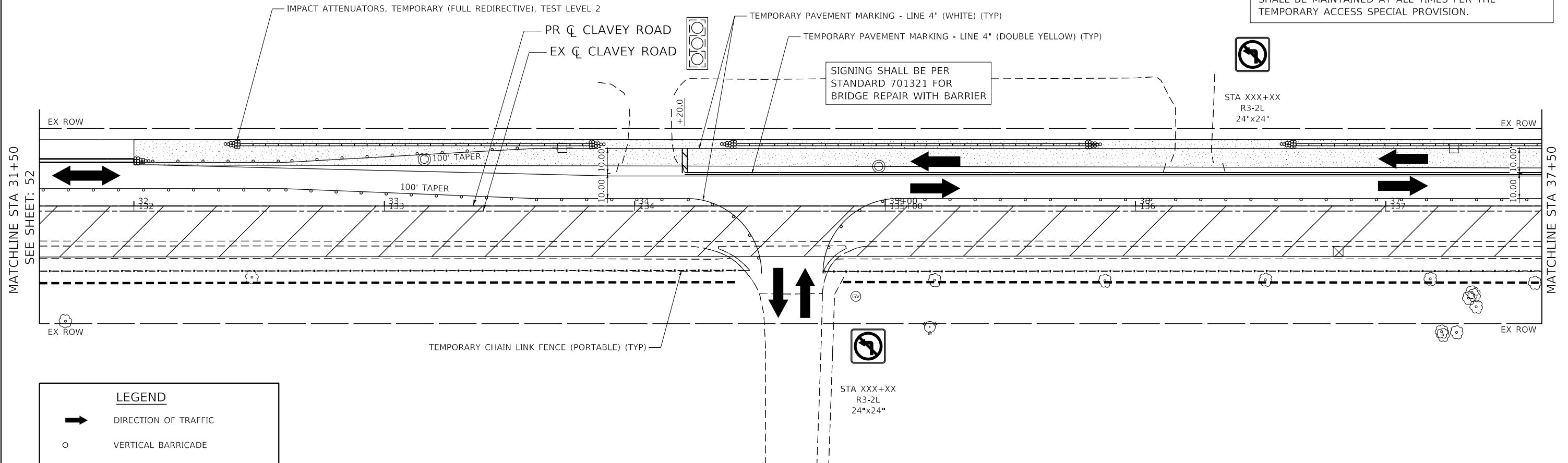
CITY OF HIGHLAND PARK

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
MAINTENANCE OF TRAFFIC
STAGE 2**

SCALE: 1" = 20' SHEET NO. 2 OF 6 SHEETS STA. 19+50 TO STA. 31+50

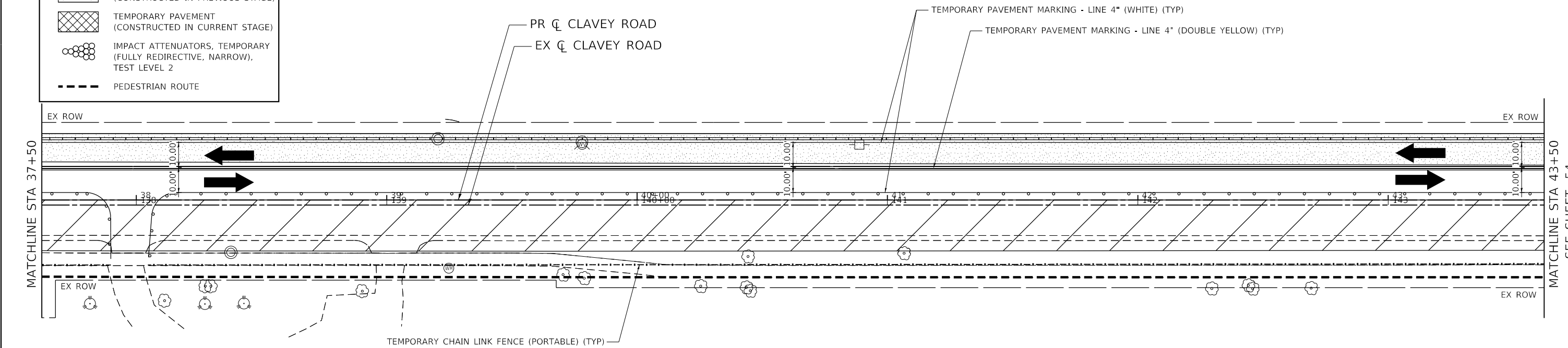
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	52
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

ACCESS TO DRIVEWAYS, ENTRANCES, AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES PER THE TEMPORARY ACCESS SPECIAL PROVISION.



LEGEND

- DIRECTION OF TRAFFIC
- VERTICAL BARRICADE
- TEMPORARY CONCRETE BARRIER
- WORK ZONE
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CONSTRUCTED IN CURRENT STAGE)
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- PEDESTRIAN ROUTE



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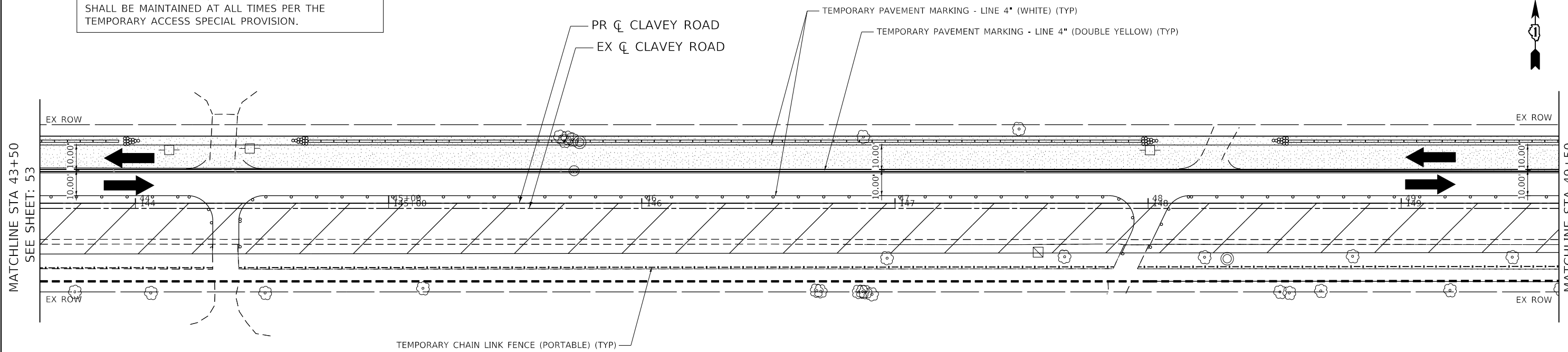
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		PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION		FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 53
MAINTENANCE OF TRAFFIC						
STAGE 2						
SCALE: 1" = 20'	SHEET NO. 3 OF 6 SHEETS	STA. 31+50	TO STA. 43+50			

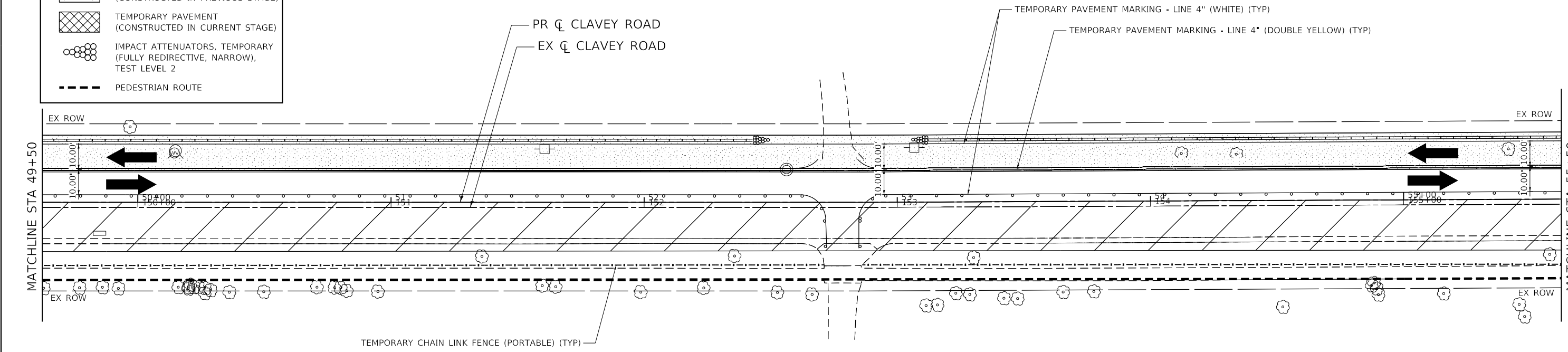
CONTRACT NO.		ILLINOIS FED. AID PROJECT
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ACCESS TO DRIVEWAYS, ENTRANCES, AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES PER THE TEMPORARY ACCESS SPECIAL PROVISION.



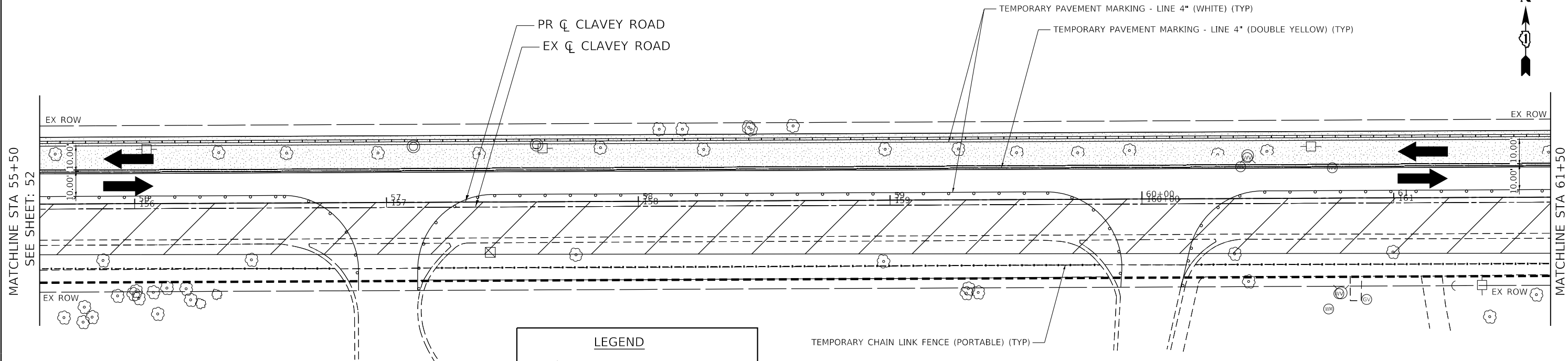
LEGEND

- DIRECTION OF TRAFFIC
- VERTICAL BARRICADE
- TEMPORARY CONCRETE BARRIER
- WORK ZONE
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CONSTRUCTED IN CURRENT STAGE)
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- PEDESTRIAN ROUTE



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SCALE: 1" = 20' SHEET NO. 4 OF 6 SHEETS STA. 43+50 TO STA. 55+50									ILLINOIS FED. AID PROJECT			



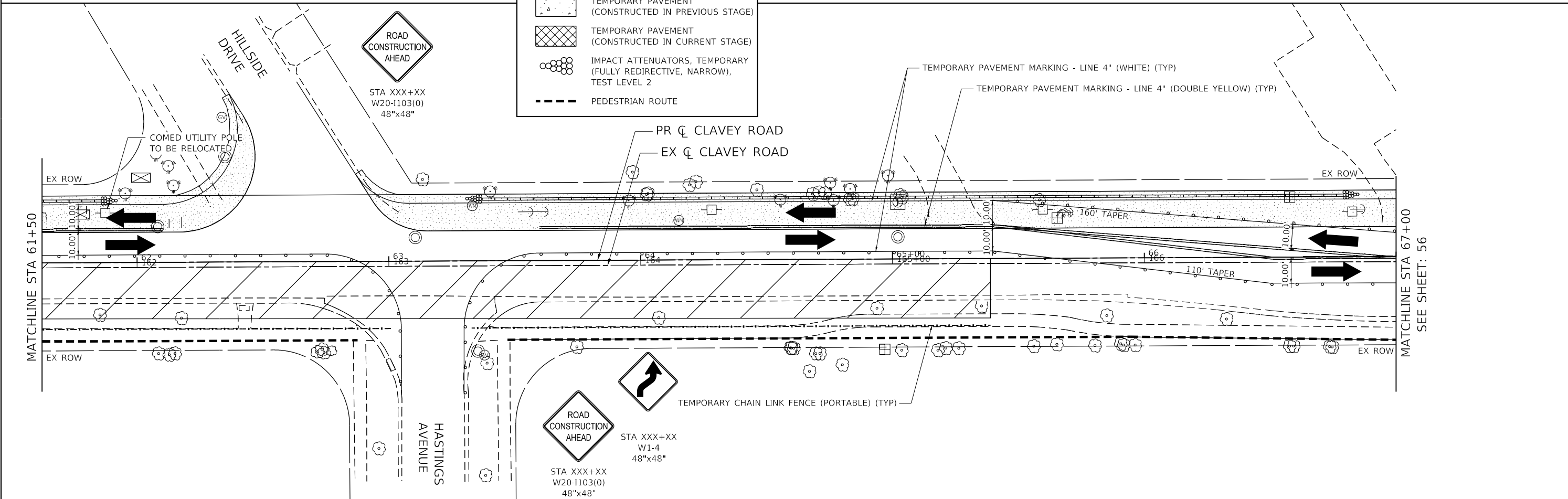
MATCHLINE STA 55+50
SEE SHEET: 52

MATCHLINE STA 61+50

LEGEND

- DIRECTION OF TRAFFIC
- VERTICAL BARRICADE
- TEMPORARY CONCRETE BARRIER
- WORK ZONE
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CONSTRUCTED IN CURRENT STAGE)
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- PEDESTRIAN ROUTE

ACCESS TO DRIVEWAYS, ENTRANCES, AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES PER THE TEMPORARY ACCESS SPECIAL PROVISION.



MATCHLINE STA 61+50

MATCHLINE STA 67+00
SEE SHEET: 56

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ENGINEERING CONSULTANT
 CiorbaGroup
 8725 W. Higgins Rd., Ste 600, Chicago, IL 60631 | 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - ES	REVISED -
PLOT SCALE = 40,0000' / 1"	DRAWN - ES	REVISED -
PLOT DATE = 2/26/2020	CHECKED - DJO	REVISED -
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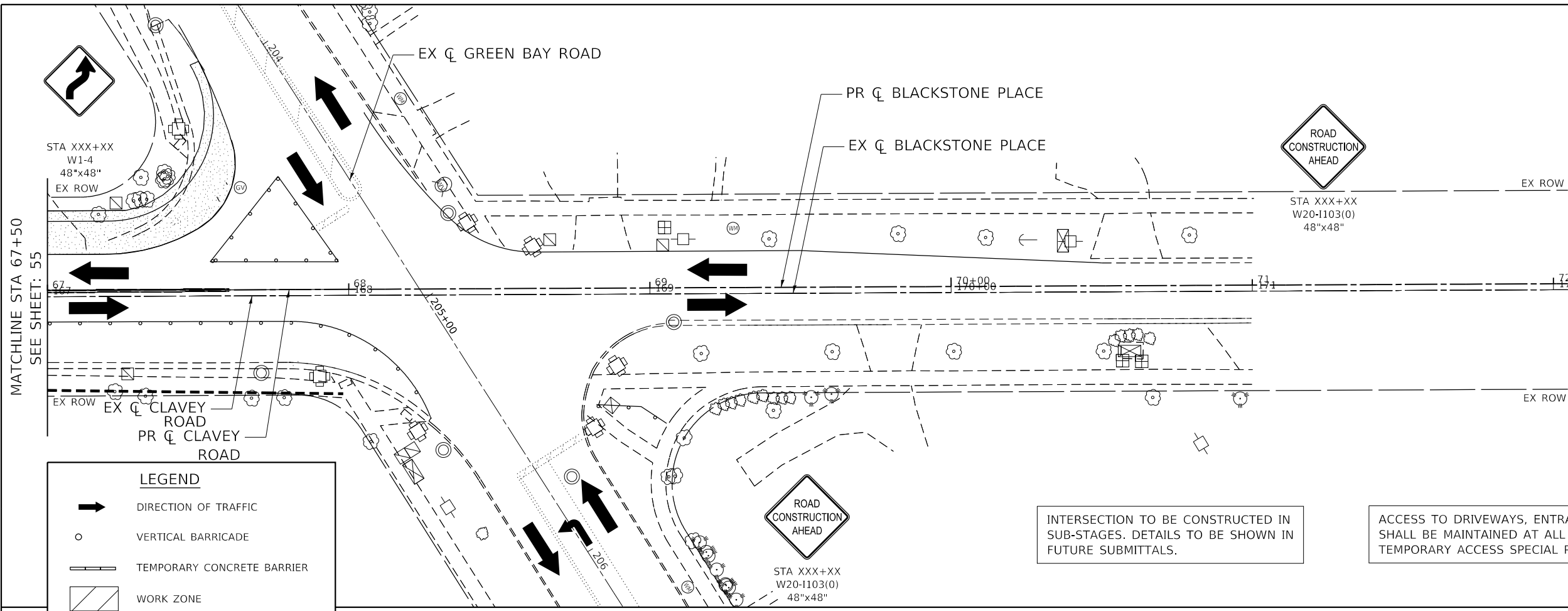
STA XXX+XX W20-1103(0) 48"x48"	STA XXX+XX W1-4 48"x48"
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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
MAINTENANCE OF TRAFFIC
STAGE 2**

FAU R.T.E. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 55
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. 5 OF 6 SHEETS STA. 55+50 TO STA. 67+00



LEGEND

- DIRECTION OF TRAFFIC
- VERTICAL BARRICADE
- TEMPORARY CONCRETE BARRIER
- WORK ZONE
- TEMPORARY PAVEMENT (CONSTRUCTED IN PREVIOUS STAGE)
- TEMPORARY PAVEMENT (CONSTRUCTED IN CURRENT STAGE)
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
- PEDESTRIAN ROUTE

INTERSECTION TO BE CONSTRUCTED IN SUB-STAGES. DETAILS TO BE SHOWN IN FUTURE SUBMITTALS.

ACCESS TO DRIVEWAYS, ENTRANCES, AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES PER THE TEMPORARY ACCESS SPECIAL PROVISION.

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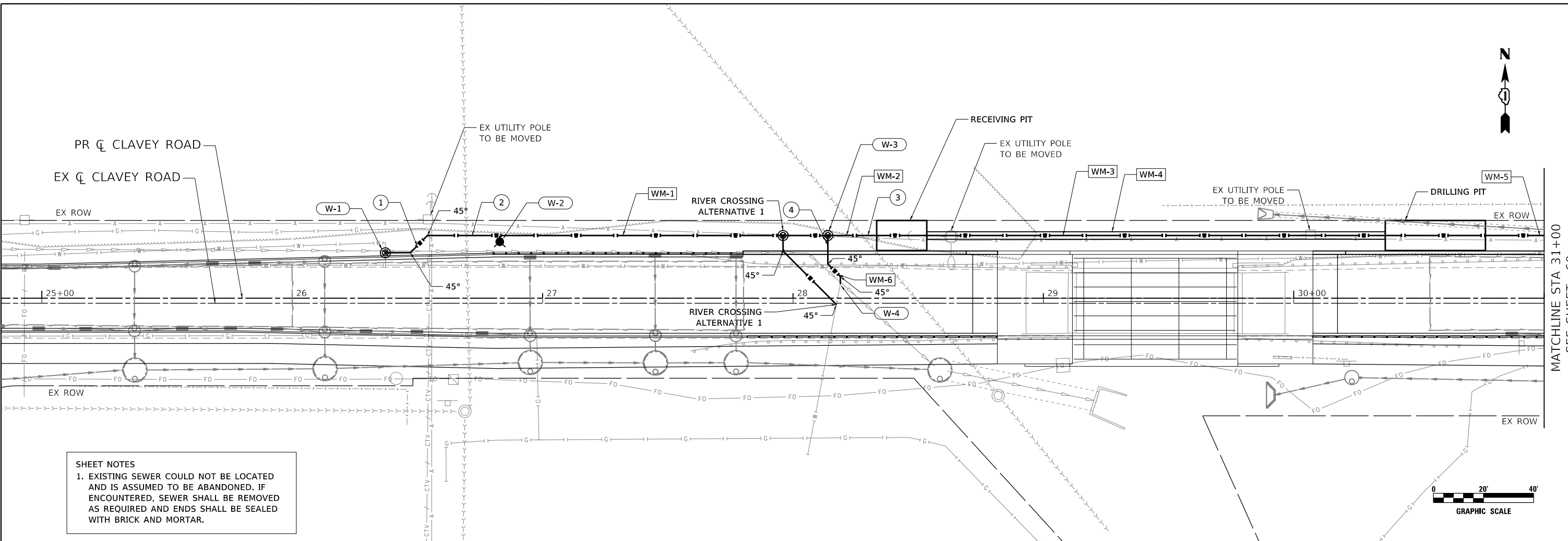
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 8725 W. Higgins Rd., Ste 600, Chicago, IL 60631 773.775.4009 www.ciorba.com	DRAWN - ES	DRAWN - ES	REVISED -
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**CITY OF
 HIGHLAND PARK**

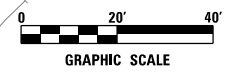
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 MAINTENANCE OF TRAFFIC
 STAGE 2**

SCALE: 1" = 20' SHEET NO. 6 OF 6 SHEETS STA. 67+50 TO STA. 72+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	56
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



SHEET NOTES
 1. EXISTING SEWER COULD NOT BE LOCATED AND IS ASSUMED TO BE ABANDONED. IF ENCOUNTERED, SEWER SHALL BE REMOVED AS REQUIRED AND ENDS SHALL BE SEALED WITH BRICK AND MORTAR.



STATION	WATER MAIN CROSSING TABLE											
	CROSSED UTILITY	PROPOSED WATER MAIN										
	CROSSING	STATION	UTILITY	DIAMETER (IN)	TP / BP	DIAMETER (IN)	TP / BP	CLEARANCE (FT)				
650	WM-1	180 LF WATER MAIN 8"	W-1	PRESSURE CONNECTION 16" WITH VAULT, 5' DIAMETER								
645	WM-2	40 LF WATER MAIN 8"	W-2	FIRE HYDRANT COMPLETE								
	WM-3	184 LF WATER MAIN 8" (SPECIAL)	W-3	GATE VALVE 6" WITH VAULT, 4' DIAMETER RIM = XXX.XX T/P = XXX.XX	1	26+50	EX STORM SEWER	48	NA	8	XX	SEE SHEET NOTE 1
	WM-4	184 LF STEEL CASING PIPE, BORED AND JACKED, 20"	W-4	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 6"	2	26+72	EX SANITARY SEWER	78	620.55, TP	8	628.63, BP	8.08
	WM-5	114 LF WATER MAIN 8"			3	28+30	EX SANITARY SEWER	54	621.77, TP	8	628.66, BP	6.89
	WM-6	22 LF WATER MAIN 6"			4	28+14	EX STORM SEWER	48	625.11, TP	8	628.79, BP	3.68

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CITY OF HIGHLAND PARK

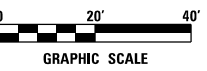
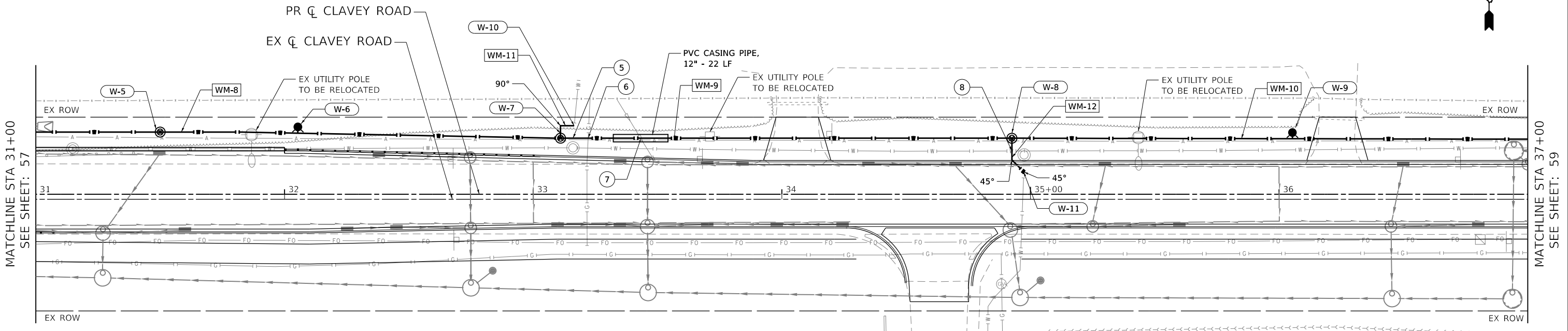
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 PROPOSED WATERMAIN PLAN AND PROFILE**

SCALE: 1" = 20' SHEET NO. 1 OF 8 SHEETS STA. 25+00 TO STA. 31+00

FAU RFE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 1265 15-00125-00-PV LAKE 153 57

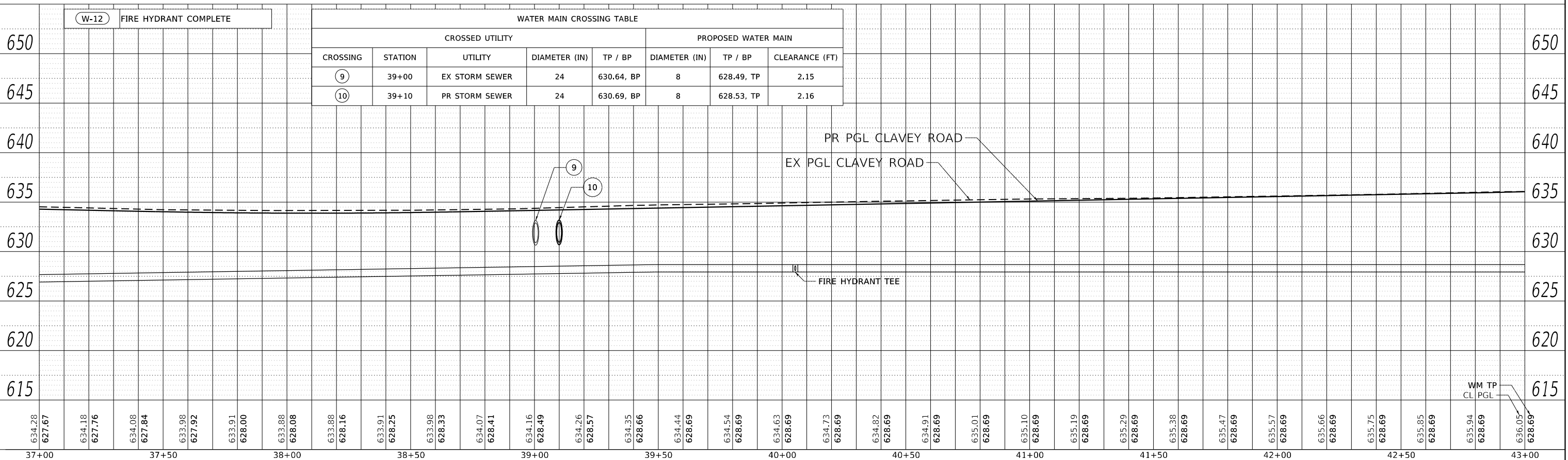
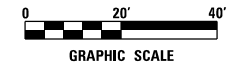
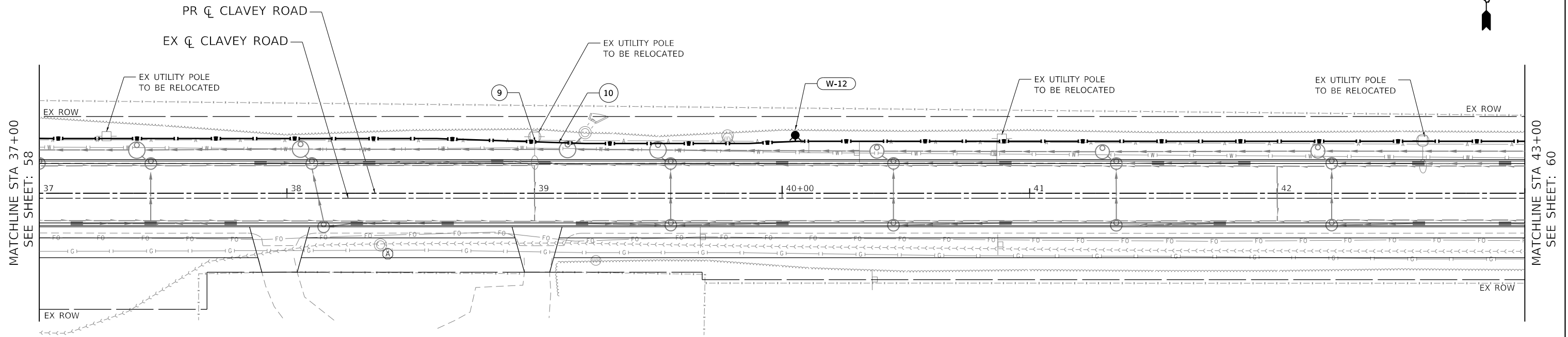
CONTRACT NO.
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STATION	ELEVATION	ITEM	CROSSED UTILITY			PROPOSED WATER MAIN			CLEARANCE (FT)
			STATION	UTILITY	DIAMETER (IN)	TP / BP	DIAMETER (IN)	TP / BP	
33+16	626.50	⑤	33+16	EX WATER MAIN	6	626.50, BP	8	626.27, TP	0.23
33+22	UNK	⑥	33+22	EX GAS	UNK	UNK	8	626.27, TP	UNK
33+43	627.71	⑦	33+43	EX STORM SEWER	15	627.71, BP	8	626.21, TP	1.50
34+93	627.26	⑧	34+93	EX WATER MAIN	8	627.26, BP	6	626.69, TP	0.57

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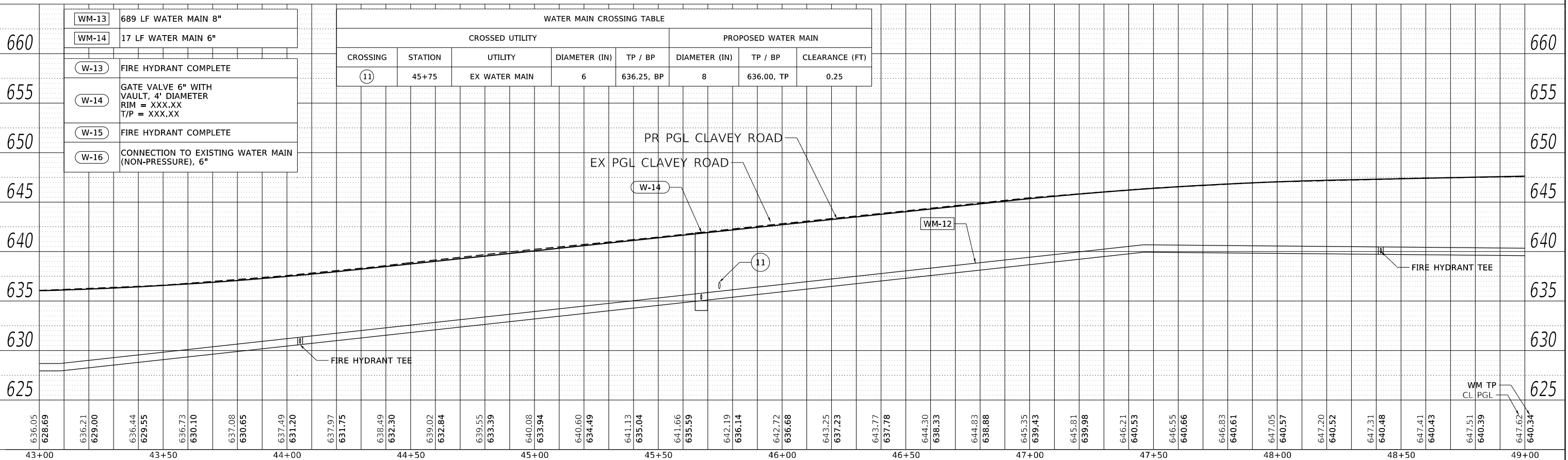
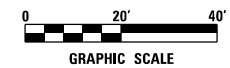
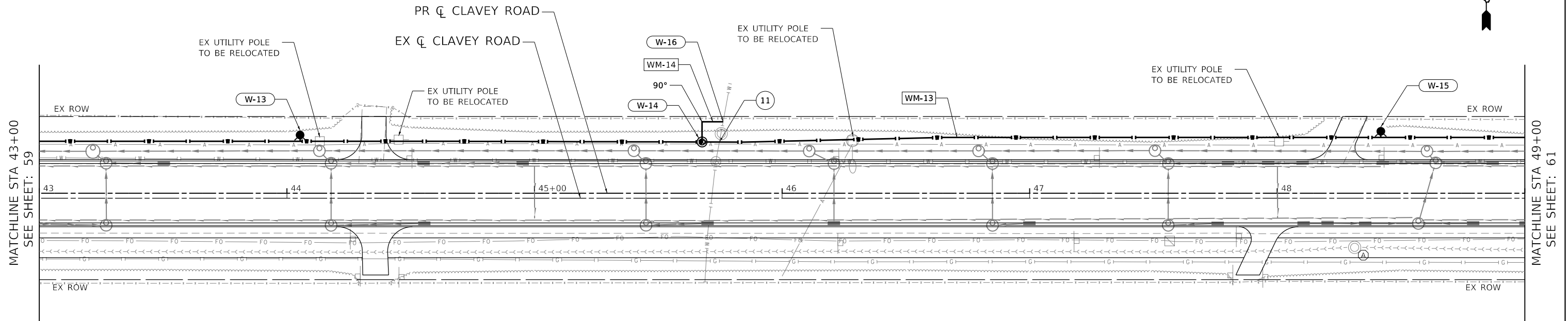


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PLOT SCALE = 40.0000' / 1"	DRAWN - CLB	REVISED -
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	DATE - 2/25/2020	REVISED -

CITY OF HIGHLAND PARK
 CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 PROPOSED WATERMAIN PLAN AND PROFILE

SCALE: 1" = 20'	SHEET NO. 3 OF 8 SHEETS	STA. 37+00 TO STA. 43+00
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FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 59
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



WATER MAIN CROSSING TABLE								
CROSSED UTILITY				PROPOSED WATER MAIN				
CROSSING	STATION	UTILITY	DIAMETER (IN)	TP / BP	DIAMETER (IN)	TP / BP	CLEARANCE (FT)	
11	45+75	EX WATER MAIN	6	636.25, BP	8	636.00, TP	0.25	

WM-13	689 LF WATER MAIN 8"
WM-14	17 LF WATER MAIN 6"
W-13	FIRE HYDRANT COMPLETE
W-14	GATE VALVE 6" WITH VAULT, 4' DIAMETER RIM = XXX.XX T/P = XXX.XX
W-15	FIRE HYDRANT COMPLETE
W-16	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 6"

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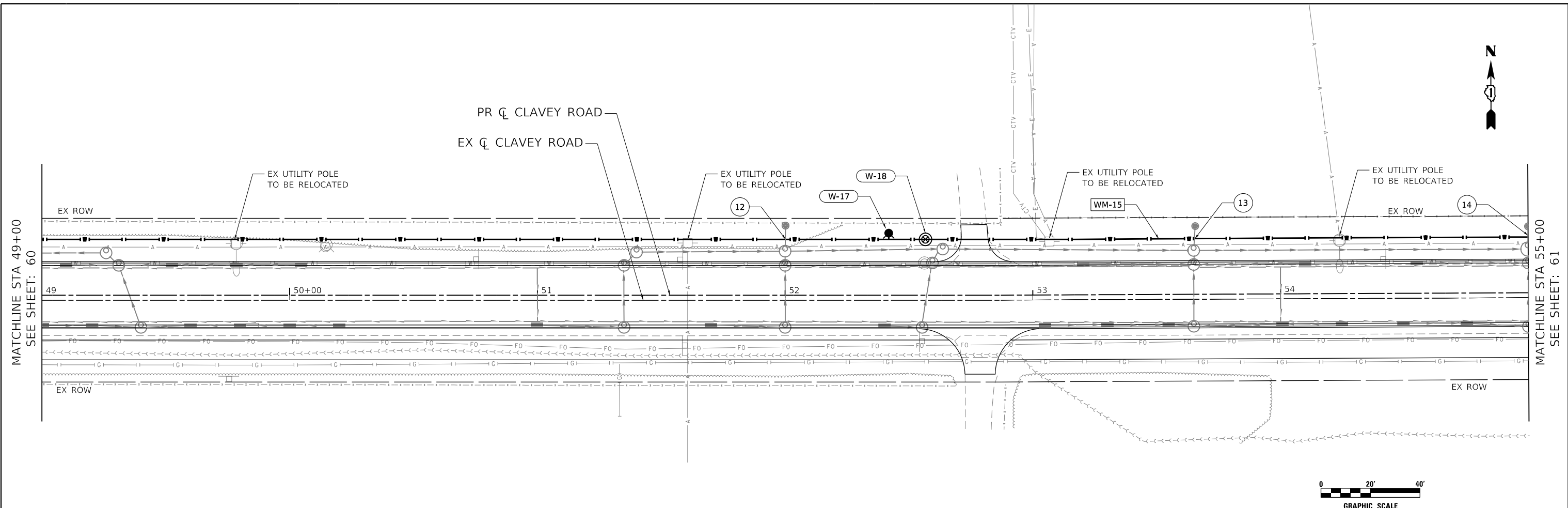
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PLOT DATE = 2/26/2020	DATE = 2/25/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED WATERMAIN PLAN AND PROFILE**

SCALE: 1" = 20' SHEET NO. 4 OF 8 SHEETS STA. 43+00 TO STA. 49+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	60
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



WATER MAIN CROSSING TABLE							
CROSSED UTILITY	PROPOSED WATER MAIN						
CROSSING	STATION	UTILITY	DIAMETER (IN)	TP / BP	DIAMETER (IN)	TP / BP	CLEARANCE (FT)
12	52+00	PR STORM SEWER	12	641.17, BP	8	639.67, TP	1.50
13	53+65	PR STORM SEWER	12	642.17, BP	8	638.28, TP	3.89
14	55+00	PR STORM SEWER	12	641.66, BP	8	637.15, TP	4.51

STATION	ELEVATION
49+00	647.62
49+05	647.72
49+10	647.82
49+15	647.92
49+20	648.03
49+25	648.12
49+30	648.18
49+35	648.19
49+40	648.15
49+45	648.07
49+50	647.95
49+55	647.79
50+00	647.62
50+05	647.45
50+10	647.29
50+15	647.12
50+20	646.95
50+25	646.78
50+30	646.62
50+35	646.45
50+40	646.35
50+45	646.27
50+50	646.19
50+55	646.12
50+60	646.04
50+65	645.96
50+70	645.88
50+75	645.81
50+80	645.73
50+85	645.65
50+90	645.58
50+95	645.50
51+00	645.42
51+05	645.34
51+10	645.26
51+15	645.18
51+20	645.10
51+25	645.02
51+30	644.94
51+35	644.86
51+40	644.78
51+45	644.70
51+50	644.62
51+55	644.54
51+60	644.46
51+65	644.38
51+70	644.30
51+75	644.22
51+80	644.14
51+85	644.06
51+90	643.98
51+95	643.90
52+00	643.82
52+05	643.74
52+10	643.66
52+15	643.58
52+20	643.50
52+25	643.42
52+30	643.34
52+35	643.26
52+40	643.18
52+45	643.10
52+50	643.02
52+55	642.94
52+60	642.86
52+65	642.78
52+70	642.70
52+75	642.62
52+80	642.54
52+85	642.46
52+90	642.38
52+95	642.30
53+00	642.22
53+05	642.14
53+10	642.06
53+15	641.98
53+20	641.90
53+25	641.82
53+30	641.74
53+35	641.66
53+40	641.58
53+45	641.50
53+50	641.42
53+55	641.34
53+60	641.26
53+65	641.18
53+70	641.10
53+75	641.02
53+80	640.94
53+85	640.86
53+90	640.78
53+95	640.70
54+00	640.62
54+05	640.54
54+10	640.46
54+15	640.38
54+20	640.30
54+25	640.22
54+30	640.14
54+35	640.06
54+40	640.00
54+45	639.94
54+50	639.88
54+55	639.82
54+60	639.76
54+65	639.70
54+70	639.64
54+75	639.58
54+80	639.52
54+85	639.46
54+90	639.40
54+95	639.34
55+00	639.28

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CITY OF HIGHLAND PARK

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED WATERMAIN PLAN AND PROFILE

SCALE: 1" = 20' SHEET NO. 5 OF 8 SHEETS STA. 49+00 TO STA. 55+00

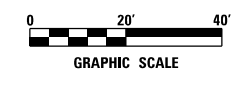
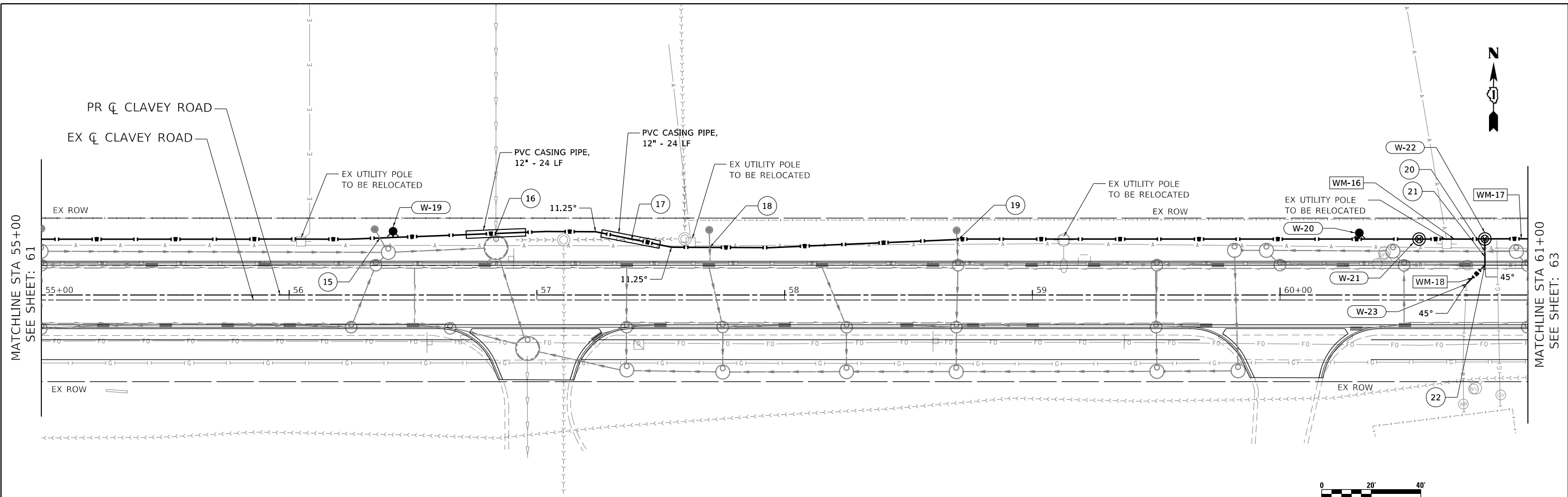
FAU RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.

1265 15-00125-00-PV LAKE 153 61

CONTRACT NO.

ILLINOIS FED. AID PROJECT

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665	WM-16	27 LF WATER MAIN 8"	WATER MAIN CROSSING TABLE							665
	WM-17	139 LF WATER MAIN 8"	CROSSED UTILITY				PROPOSED WATER MAIN			
	WM-18	22 LF WATER MAIN 6"	CROSSING	STATION	UTILITY	DIAMETER (IN)	TP / BP	DIAMETER (IN)	TP / BP	
660	W-19	FIRE HYDRANT COMPLETE	15	56+37	PR STORM SEWER	12	639.95, BP	8	636.02, TP	3.92
	W-20	FIRE HYDRANT COMPLETE	16	56+83	EX STORM SEWER	42	637.32, BP	8	635.82, TP	1.50
655	W-21	GATE VALVE 8" WITH VAULT, 4' DIAMETER RIM = XXX.XX T/P = XXX.XX	17	57+38	EX SANITARY SEWER	10	634.68, TP	8	635.79, BP	1.11
			18	57+70	PR STORM SEWER	12	638.04, BP	8	636.54, TP	1.50
650	W-22	GATE VALVE 6" WITH VAULT, 4' DIAMETER RIM = XXX.XX T/P = XXX.XX	19	58+70	PR STORM SEWER	12	639.61, BP	8	637.98, TP	1.63
			20	60+83	PR STORM SEWER	18	640.60, BP	6	639.91, TP	0.69
645	W-23	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 6"	21	60+83	EX STORM SEWER	8	643.44, BP	6	639.91, TP	3.52
			22	60+83	EX WATER MAIN	6	639.94, BP (ESTIMATED)	6	639.91, TP	0.02



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USER NAME = WaterResources	DESIGNED - LAM	REVISED -
	DRAWN - CLB	REVISED -
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PLOT DATE = 2/26/2020	DATE = 2/25/2020	REVISED -

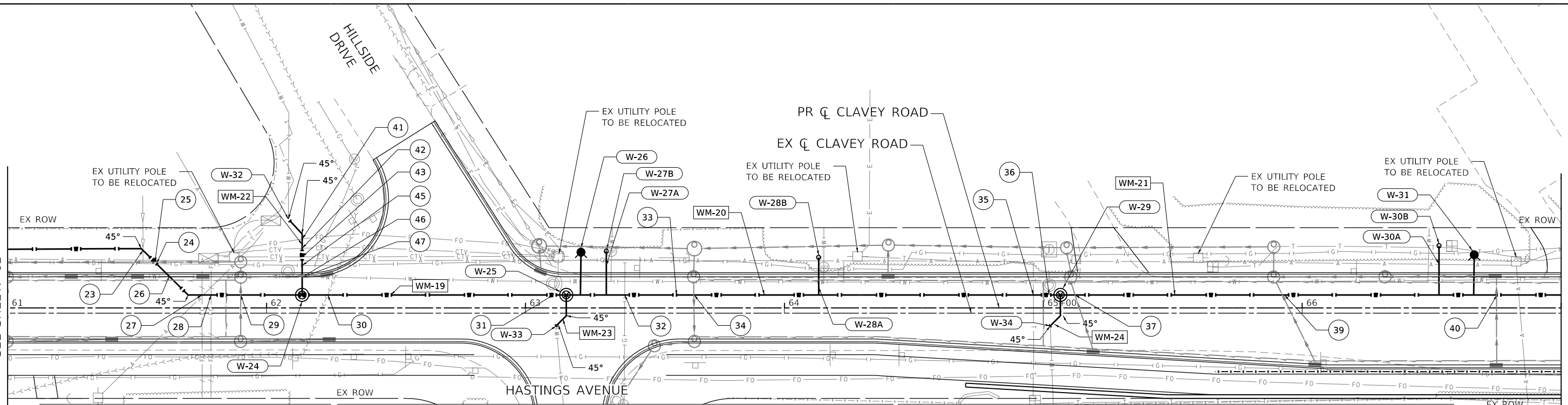
CITY OF
 HIGHLAND PARK

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 PROPOSED WATERMAIN PLAN AND PROFILE
 SCALE: 1" = 20' SHEET NO. 6 OF 8 SHEETS STA. 55+00 TO STA. 61+00

FAU R.T.E. = 1265	SECTION = 15-00125-00-PV	COUNTY = LAKE	TOTAL SHEETS = 153	SHEET NO. = 62
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA 61+00
SEE SHEET: 62

MATCHLINE STA 67+00
SEE SHEET: 64

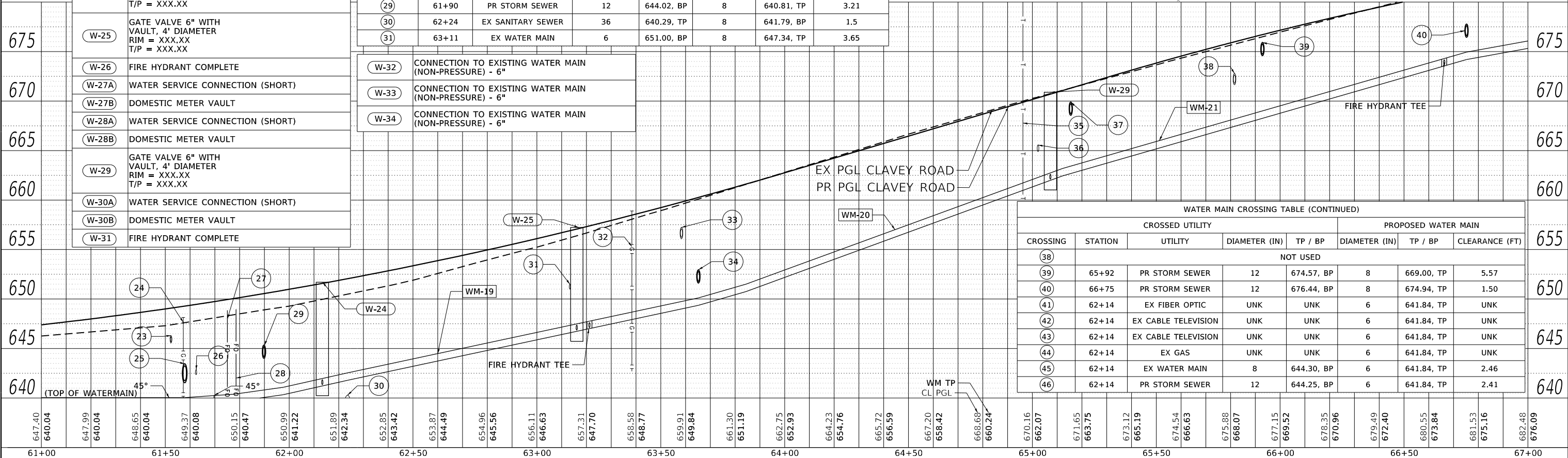
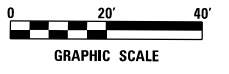


WM-19	103 LF WATER MAIN 8"
WM-20	192 LF WATER MAIN 8"
WM-21	271 LF WATER MAIN 8"
WM-22	32 LF WATER MAIN 6"
WM-23	14 LF WATER MAIN 6"
WM-24	16 LF WATER MAIN 6"

W-24	GATE VALVE 6" WITH VAULT, 4' DIAMETER RIM = XXX.XX T/P = XXX.XX
W-25	GATE VALVE 6" WITH VAULT, 4' DIAMETER RIM = XXX.XX T/P = XXX.XX
W-26	FIRE HYDRANT COMPLETE
W-27A	WATER SERVICE CONNECTION (SHORT)
W-27B	DOMESTIC METER VAULT
W-28A	WATER SERVICE CONNECTION (SHORT)
W-28B	DOMESTIC METER VAULT
W-29	GATE VALVE 6" WITH VAULT, 4' DIAMETER RIM = XXX.XX T/P = XXX.XX
W-30A	WATER SERVICE CONNECTION (SHORT)
W-30B	DOMESTIC METER VAULT
W-31	FIRE HYDRANT COMPLETE

CROSSED UTILITY				PROPOSED WATER MAIN			
CROSSING	STATION	UTILITY	DIAMETER (IN)	TP / BP	DIAMETER (IN)	TP / BP	CLEARANCE (FT)
23	61+52	EX STORM SEWER	6	645.56, BP	8	640.04, TP	5.52
24	61+57	EX GAS	2	UNK	8	640.04, TP	UNK
25	61+57	PR STORM SEWER	18	641.75, BP	8	640.04, TP	1.71
26	61+62	EX WATER MAIN	6	642.36	8	640.12, TP	2.24
27	61+75	EX FIBER OPTIC	UNK	UNK	8	640.34, TP	UNK
28	61+79	EX FIBER OPTIC	UNK	UNK	8	640.42, TP	UNK
29	61+90	PR STORM SEWER	12	644.02, BP	8	640.81, TP	3.21
30	62+24	EX SANITARY SEWER	36	640.29, TP	8	641.79, BP	1.5
31	63+11	EX WATER MAIN	6	651.00, BP	8	647.34, TP	3.65

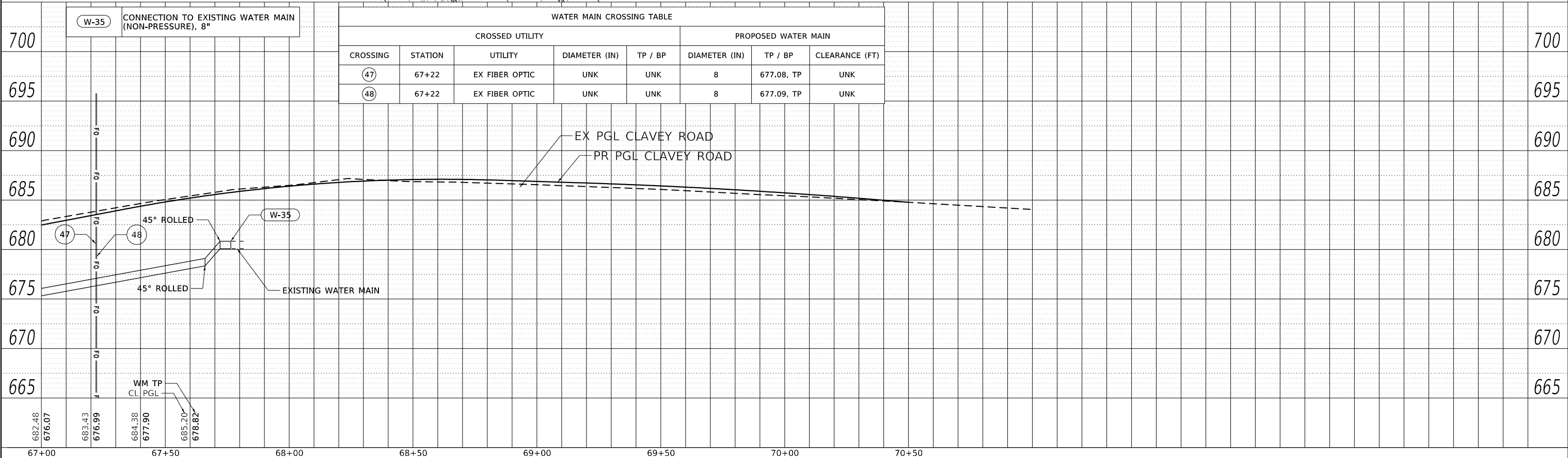
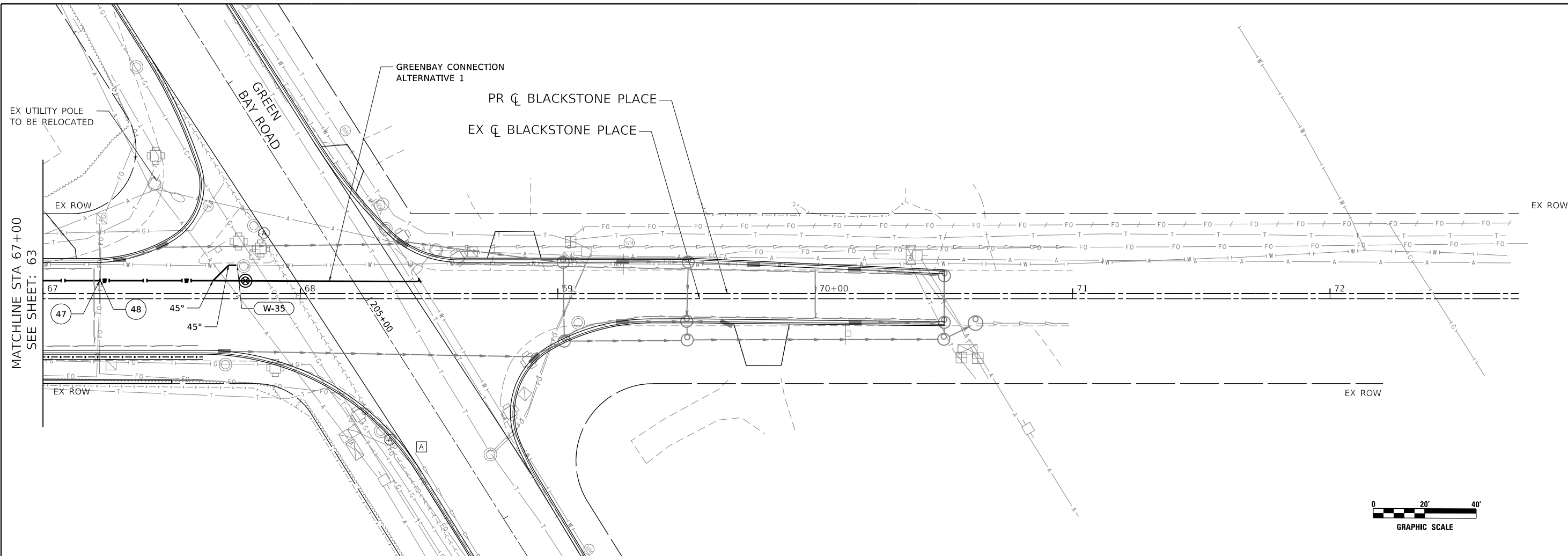
CROSSED UTILITY				PROPOSED WATER MAIN			
CROSSING	STATION	UTILITY	DIAMETER (IN)	TP / BP	DIAMETER (IN)	TP / BP	CLEARANCE (FT)
32	63+38	EX GAS	UNK	UNK	XX	648.68, TP	UNK
33	63+58	EX STORM SEWER	10	656.10, BP	8	649.75, TP	6.34
34	63+65	PR STORM SEWER	12	651.62, BP	8	650.12, TP	1.50
35	64+96	EX TELEPHONE	UNK	UNK	8	661.72, TP	UNK
36	65+02	EX WATER MAIN	6	664.90, BP	8	662.28, TP	2.61
37	65+10	PR STORM SEWER	12	668.56, BP	8	663.42, TP	5.14



CROSSED UTILITY				PROPOSED WATER MAIN			
CROSSING	STATION	UTILITY	DIAMETER (IN)	TP / BP	DIAMETER (IN)	TP / BP	CLEARANCE (FT)
38							
39	65+92	PR STORM SEWER	12	674.57, BP	8	669.00, TP	5.57
40	66+75	PR STORM SEWER	12	676.44, BP	8	674.94, TP	1.50
41	62+14	EX FIBER OPTIC	UNK	UNK	6	641.84, TP	UNK
42	62+14	EX CABLE TELEVISION	UNK	UNK	6	641.84, TP	UNK
43	62+14	EX CABLE TELEVISION	UNK	UNK	6	641.84, TP	UNK
44	62+14	EX GAS	UNK	UNK	6	641.84, TP	UNK
45	62+14	EX WATER MAIN	8	644.30, BP	6	641.84, TP	2.46
46	62+14	PR STORM SEWER	12	644.25, BP	6	641.84, TP	2.41

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<p>8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com</p>	USER NAME = WaterResources PLOT SCALE = 40.0000' / 1"	DESIGNED - LAM DRAWN - CLB CHECKED - LAM DATE - 2/25/2020	REVISED - REVISED - REVISED - REVISED -	CITY OF HIGHLAND PARK	CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION PROPOSED WATERMAIN PLAN AND PROFILE	FAU R.T.E. = 1265 SECTION = 15-00125-00-PV COUNTY = LAKE CONTRACT NO.	TOTAL SHEETS = 153 SHEET NO. = 63
	SCALE: 1" = 20' SHEET NO. 7 OF 8 SHEETS STA. 61+00 TO STA. 67+00		ILLINOIS FED. AID PROJECT				



WATER MAIN CROSSING TABLE							
CROSSED UTILITY				PROPOSED WATER MAIN			
CROSSING	STATION	UTILITY	DIAMETER (IN)	TP / BP	DIAMETER (IN)	TP / BP	CLEARANCE (FT)
47	67+22	EX FIBER OPTIC	UNK	UNK	8	677.08, TP	UNK
48	67+22	EX FIBER OPTIC	UNK	UNK	8	677.09, TP	UNK

W-35 CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), 8"

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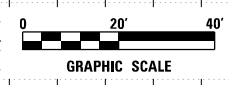
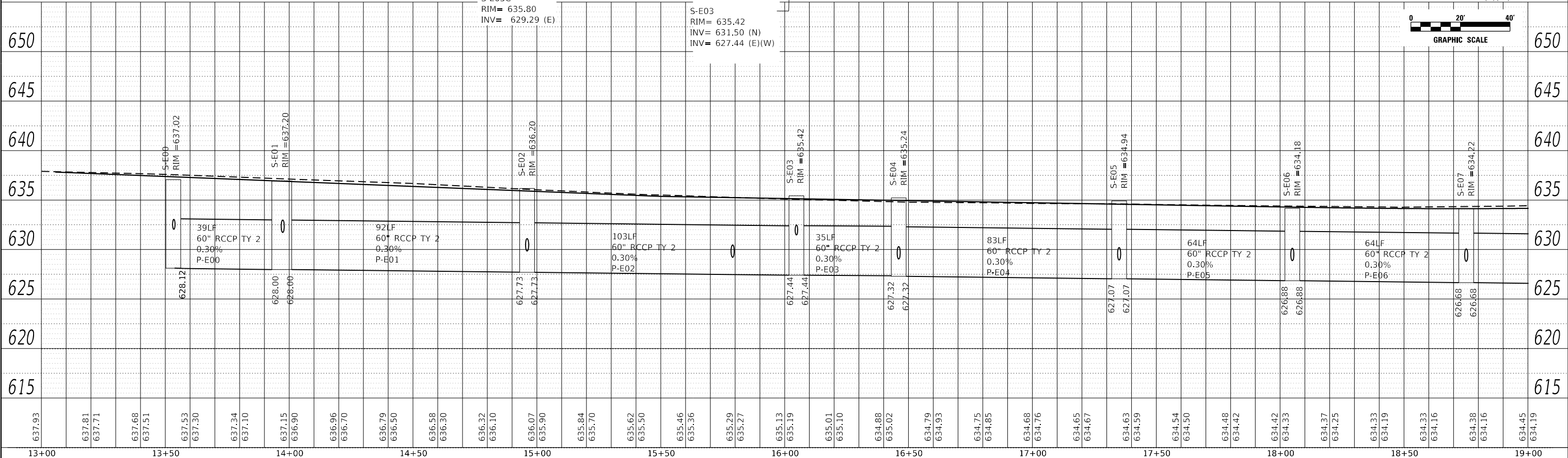
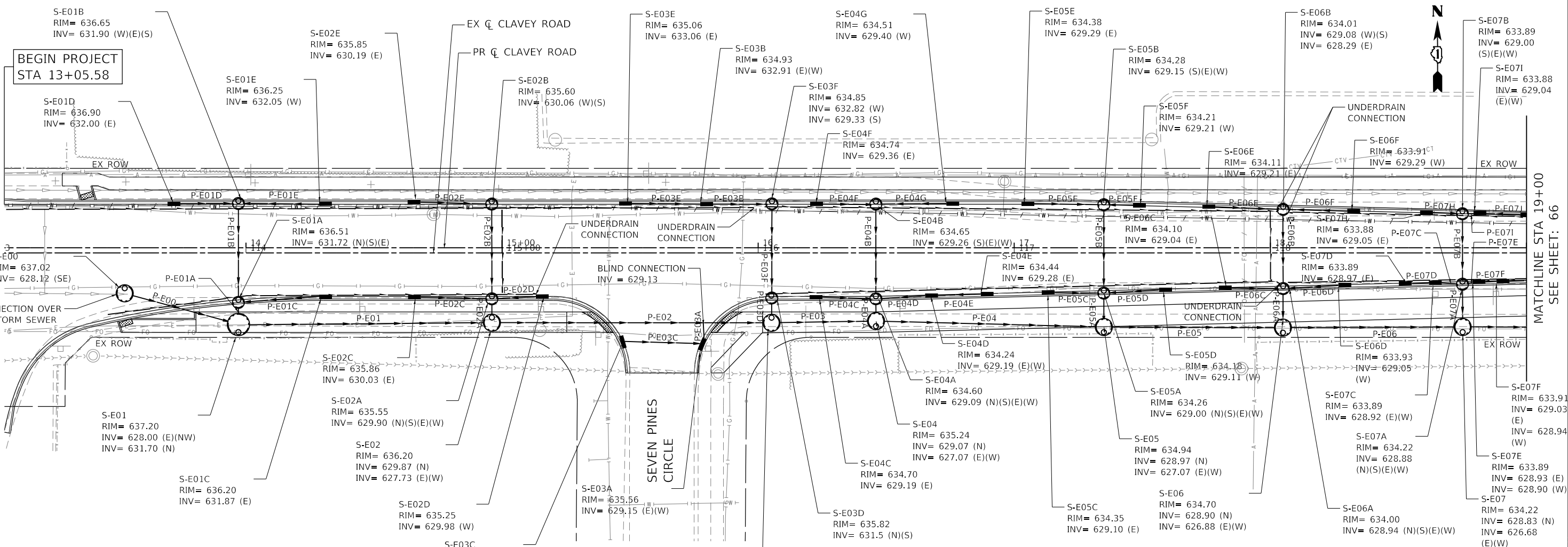
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PLOT DATE = 2/26/2020	DATE = 2/25/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED WATERMAIN PLAN AND PROFILE**

SCALE: 1" = 20' SHEET NO. 8 OF 8 SHEETS STA. 67+00 TO STA. 70+88.19

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 64
CONTRACT NO.			ILLINOIS FED. AID PROJECT	



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13+00	13+05	13+10	13+15	13+20	13+25	13+30	13+35	13+40	13+45	13+50	13+55	13+60	13+65	13+70	13+75	13+80	13+85	13+90	13+95	14+00	14+05	14+10	14+15	14+20	14+25	14+30	14+35	14+40	14+45	14+50	14+55	14+60	14+65	14+70	14+75	14+80	14+85	14+90	14+95	15+00	15+05	15+10	15+15	15+20	15+25	15+30	15+35	15+40	15+45	15+50	15+55	15+60	15+65	15+70	15+75	15+80	15+85	15+90	15+95	16+00	16+05	16+10	16+15	16+20	16+25	16+30	16+35	16+40	16+45	16+50	16+55	16+60	16+65	16+70	16+75	16+80	16+85	16+90	16+95	17+00	17+05	17+10	17+15	17+20	17+25	17+30	17+35	17+40	17+45	17+50	17+55	17+60	17+65	17+70	17+75	17+80	17+85	17+90	17+95	18+00	18+05	18+10	18+15	18+20	18+25	18+30	18+35	18+40	18+45	18+50	18+55	18+60	18+65	18+70	18+75	18+80	18+85	18+90	18+95	19+00



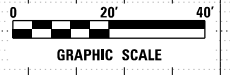
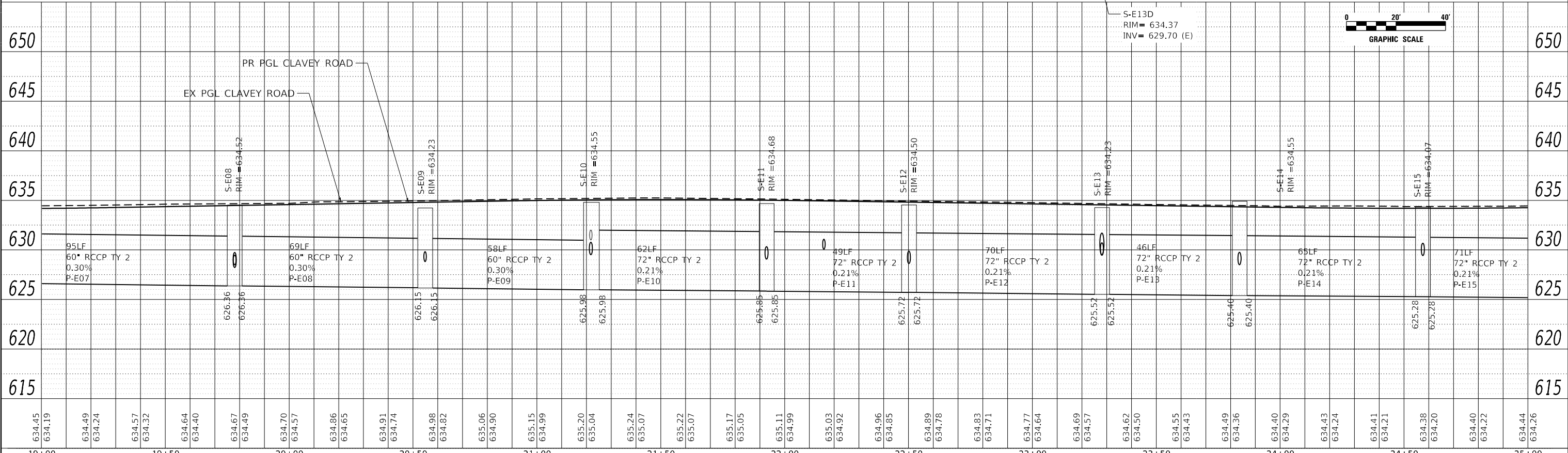
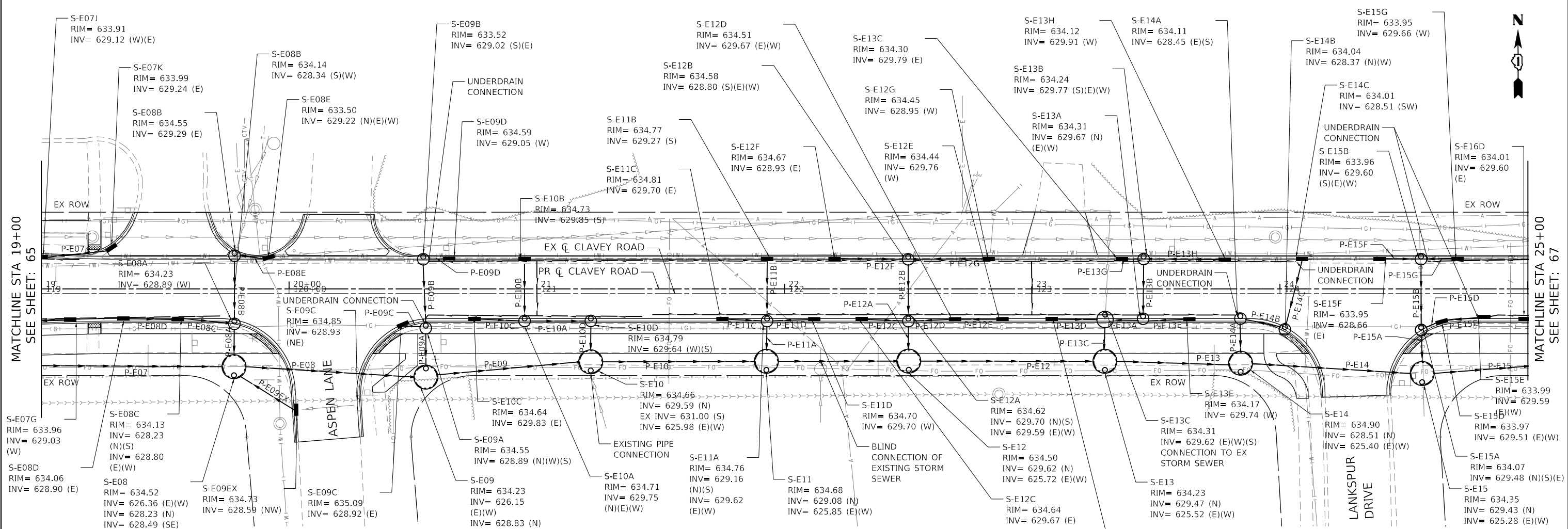
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PLOT DATE = 2/27/2020	DATE = 2/27/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED DRAINAGE PLAN AND PROFILE**

SCALE: 1" = 20' SHEET NO. 1 OF 10 SHEETS STA. 13+00 TO STA. 19+00

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 65
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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USER NAME = WaterResources	DESIGNED - RD	REVISED -
PLOT SCALE = 40,000' / in.	DRAWN - DDS	REVISED -
PLOT DATE = 2/26/2020	CHECKED - TW	REVISED -
	DATE = 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED DRAINAGE PLAN AND PROFILE**

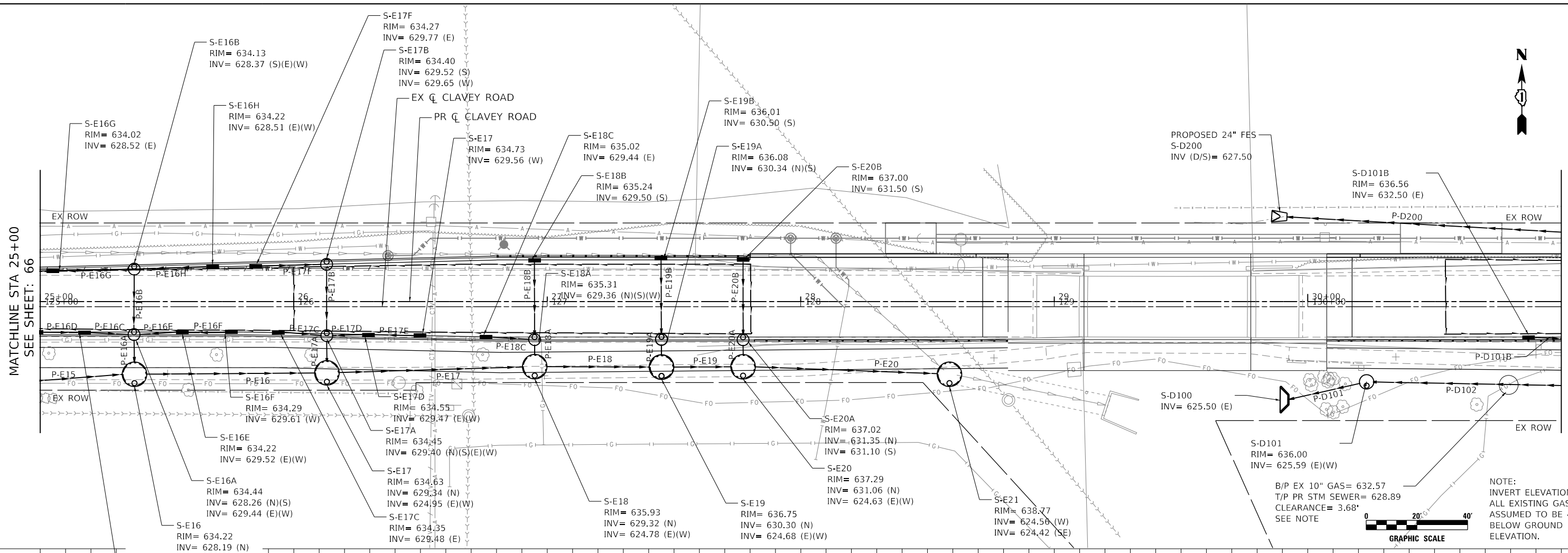
FAU RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	66
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. 2 OF 10 SHEETS STA. 19+00 TO STA. 25+00

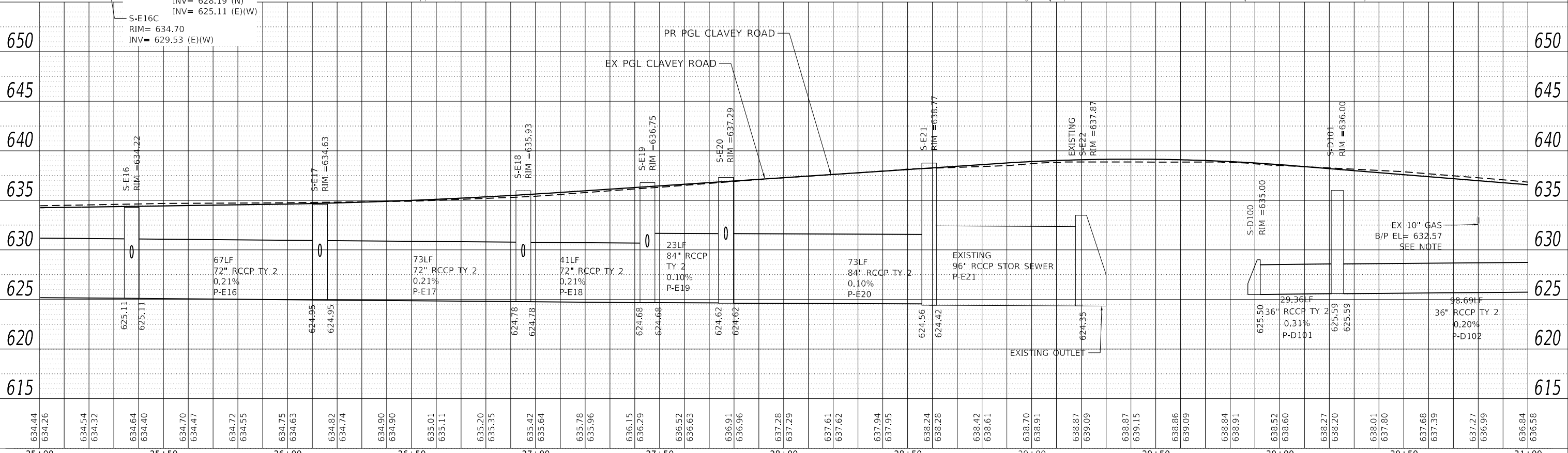
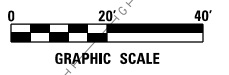


MATCHLINE STA 25+00
SEE SHEET: 66

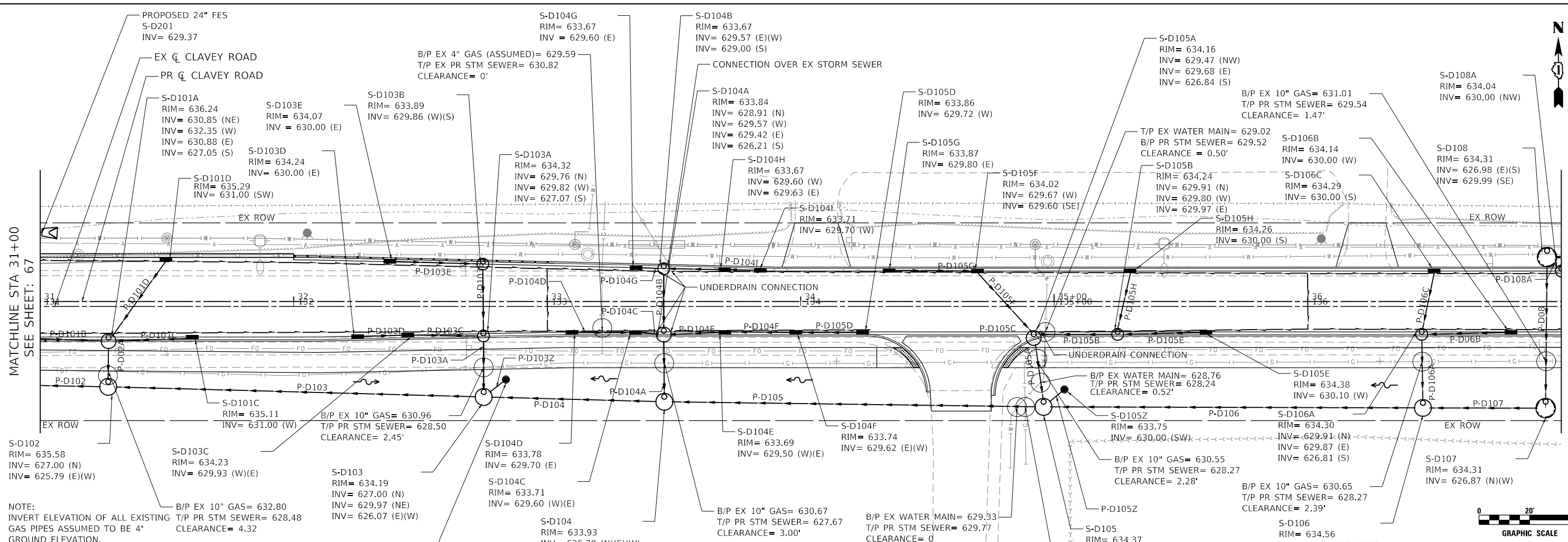
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SEE SHEET: 68



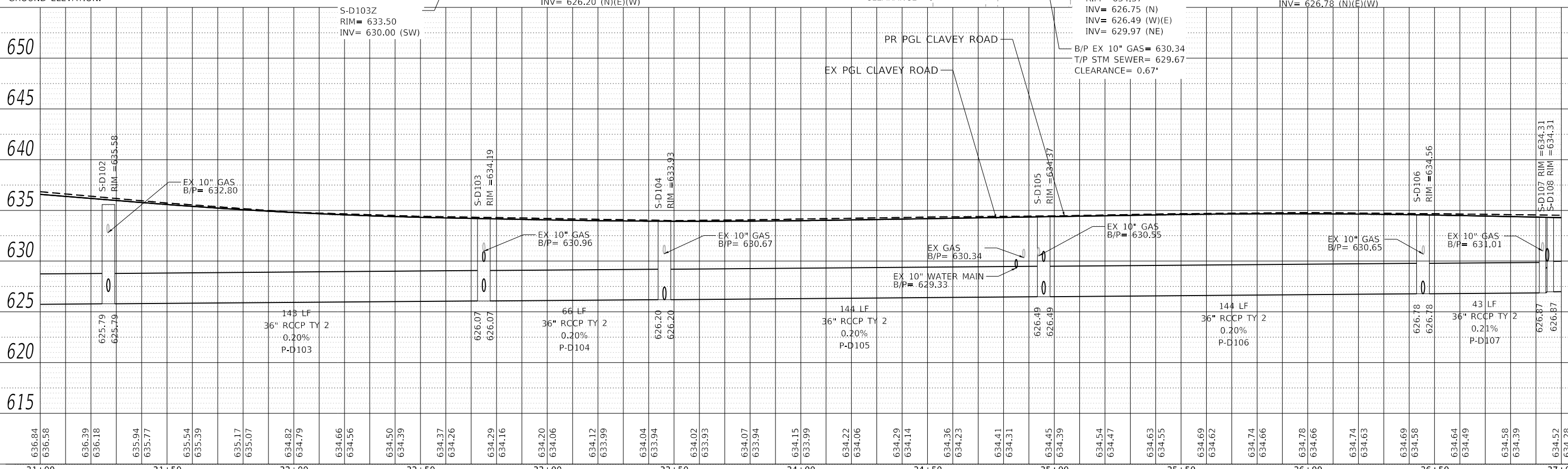
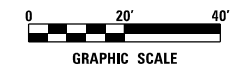
NOTE:
INVERT ELEVATION OF ALL EXISTING GAS PIPES ASSUMED TO BE 4' BELOW GROUND ELEVATION.



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NOTE:
INVERT ELEVATION OF ALL EXISTING
GAS PIPES ASSUMED TO BE 4"
GROUND ELEVATION.



636.84	636.58	636.39	636.18	635.94	635.77	635.54	635.39	635.17	635.07	634.82	634.79	634.66	634.56	634.50	634.39	634.37	634.26	634.29	634.16	634.20	634.06	634.12	633.99	634.04	633.94	634.02	633.93	634.07	633.94	634.15	633.99	634.22	634.06	634.29	634.14	634.36	634.23	634.41	634.31	634.45	634.39	634.54	634.47	634.63	634.55	634.69	634.62	634.74	634.66	634.78	634.66	634.74	634.63	634.69	634.58	634.64	634.49	634.58	634.39	634.52	634.26
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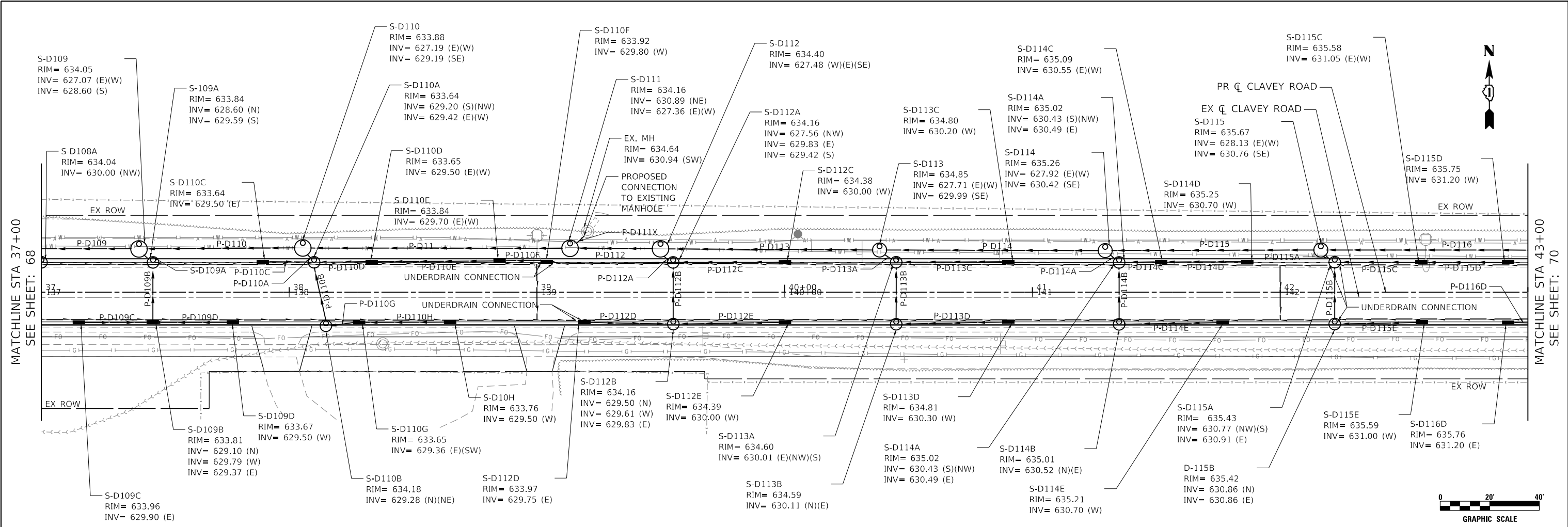
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DRAWN	- DDS	REVISIONS	-	DATE	-
PLOT SCALE	40.0000' / in.	CHECKED	- TW	REVISIONS	-
PLOT DATE	2/26/2020	DATE	2/26/2020	REVISIONS	-

CITY OF HIGHLAND PARK

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED DRAINAGE PLAN AND PROFILE**

SCALE: 1" = 20' SHEET NO. 4 OF 10 SHEETS STA. 31+00 TO STA. 37+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	68
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



Station	Manhole	Pipe	Material	Length	Slope	Start Elevation	End Elevation
37+00	S-D109	P-D109	36" RCCP TY 2	46 LF	0.20%	634.05	627.07
37+50	S-D110	P-D110	36" RCCP TY 2	56 LF	0.21%	633.88	627.19
38+00	S-D111	P-D111	36" RCCP TY 2	89 LF	0.19%	633.92	627.48
38+50	S-D112	P-D112	36" RCCP TY 2	47 LF	0.25%	634.40	627.83
39+00	S-D113	P-D113	30" RCCP TY 2	84 LF	0.27%	634.85	627.71
39+50	S-D114	P-D114	30" RCCP TY 2	87 LF	0.24%	635.26	627.92
40+00	S-D115	P-D115	24" RCCP TY 2	83 LF	0.25%	635.67	628.13
40+50	S-D116	P-D116	24" RCCP TY 2	101 LF	0.25%	635.76	631.20

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USER NAME = WaterResources	DESIGNED - RD	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - DDS	REVISED -
PLOT DATE = 2/26/2020	CHECKED - TW	REVISED -
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CITY OF HIGHLAND PARK

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED DRAINAGE PLAN AND PROFILE**

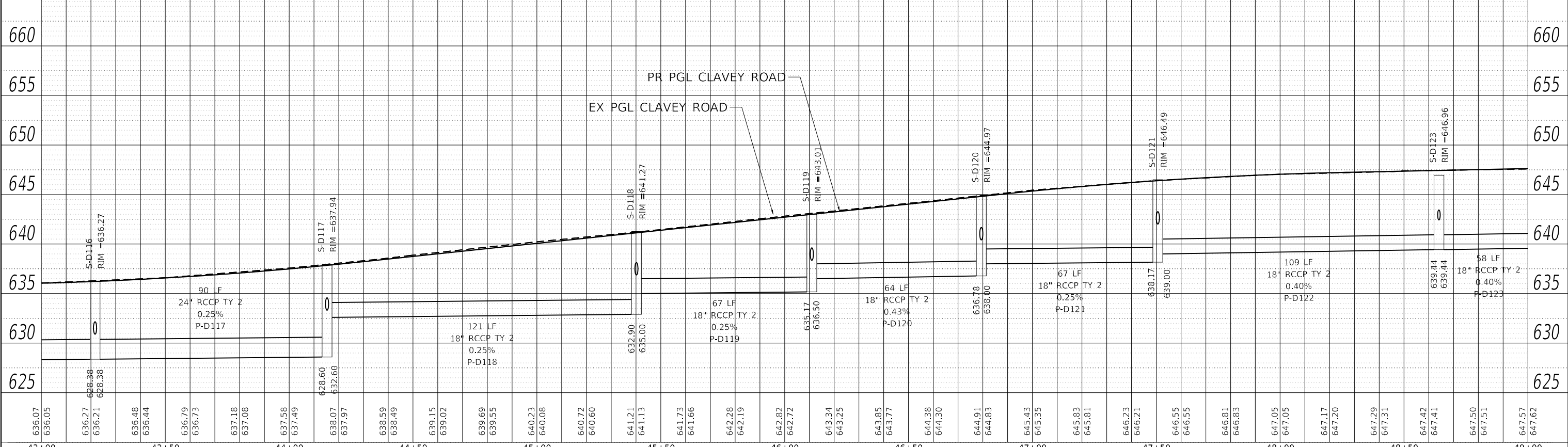
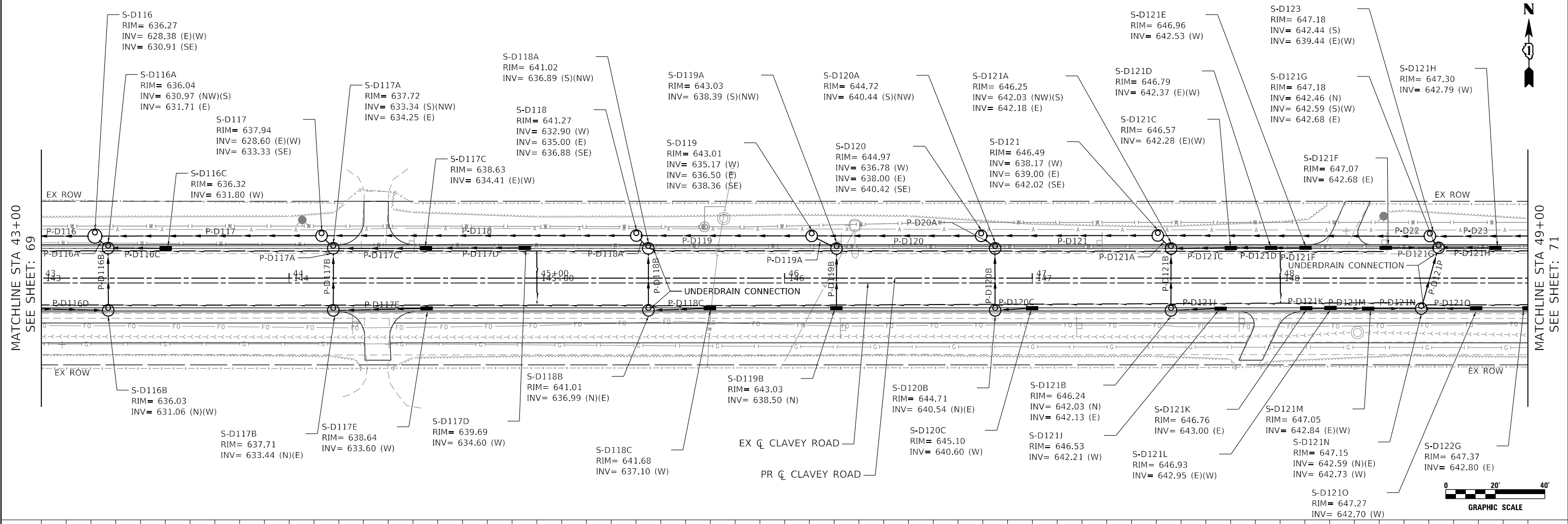
SCALE: 1" = 20' SHEET NO. 5 OF 10 SHEETS STA. 37+00 TO STA. 43+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	69
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA 43+00
SEE SHEET: 69

MATCHLINE STA 49+00
SEE SHEET: 71



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Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation																																																																																							
43+00	636.07	43+10	636.05	43+20	636.21	43+30	636.27	43+40	636.48	43+50	636.44	44+00	636.79	44+10	636.73	44+20	637.18	44+30	637.08	44+40	637.58	44+50	637.49	45+00	638.07	45+10	637.97	45+20	638.59	45+30	638.49	45+40	639.15	45+50	639.02	46+00	639.69	46+10	639.55	46+20	640.23	46+30	640.08	46+40	640.72	46+50	640.60	47+00	641.21	47+10	641.13	47+20	641.73	47+30	641.66	47+40	642.28	47+50	642.19	48+00	642.82	48+10	642.72	48+20	643.34	48+30	643.25	48+40	643.85	48+50	643.77	49+00	644.38	49+05	644.30	49+10	644.91	49+15	644.83	49+20	645.43	49+25	645.35	49+30	645.83	49+35	645.81	49+40	646.23	49+45	646.21	49+50	646.55	646.55	646.81	646.83	647.05	647.05	647.17	647.20	647.29	647.31	647.42	647.41	647.50	647.51	647.57	647.62

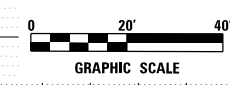
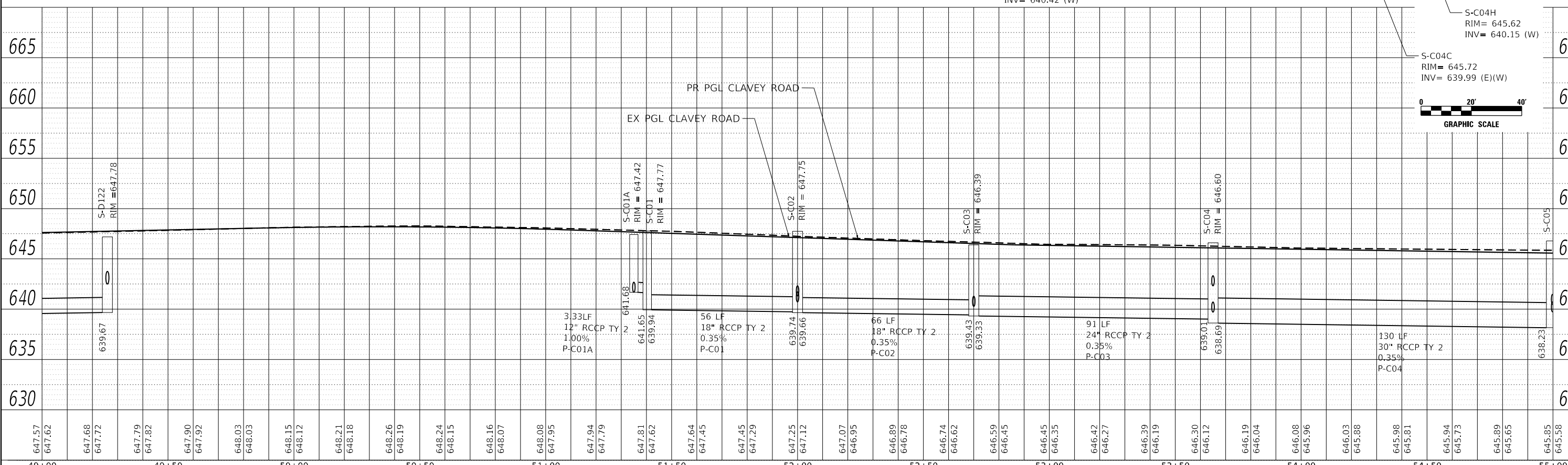
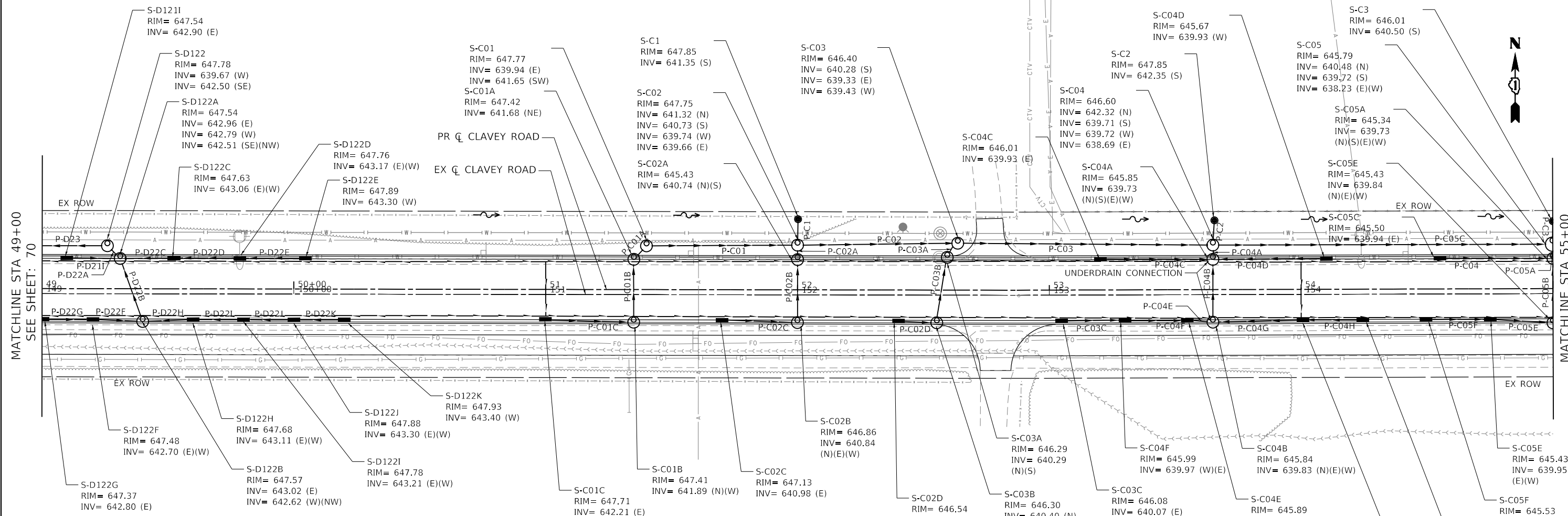
CiorbaGroup
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

USER NAME = WaterResources	DESIGNED - RD	REVISÉD -
PLOT SCALE = 40,0000' / in.	DRAWN - DDS	REVISÉD -
PLOT DATE = 2/26/2020	CHECKED - TW	REVISÉD -
	DATE = 2/26/2020	REVISÉD -

CITY OF HIGHLAND PARK

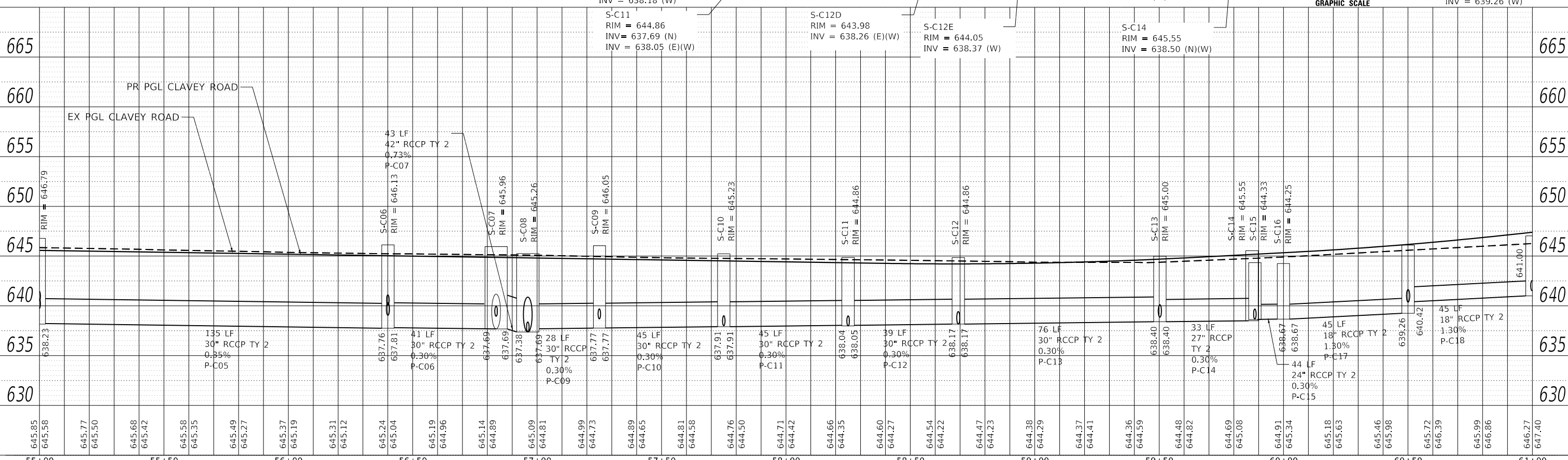
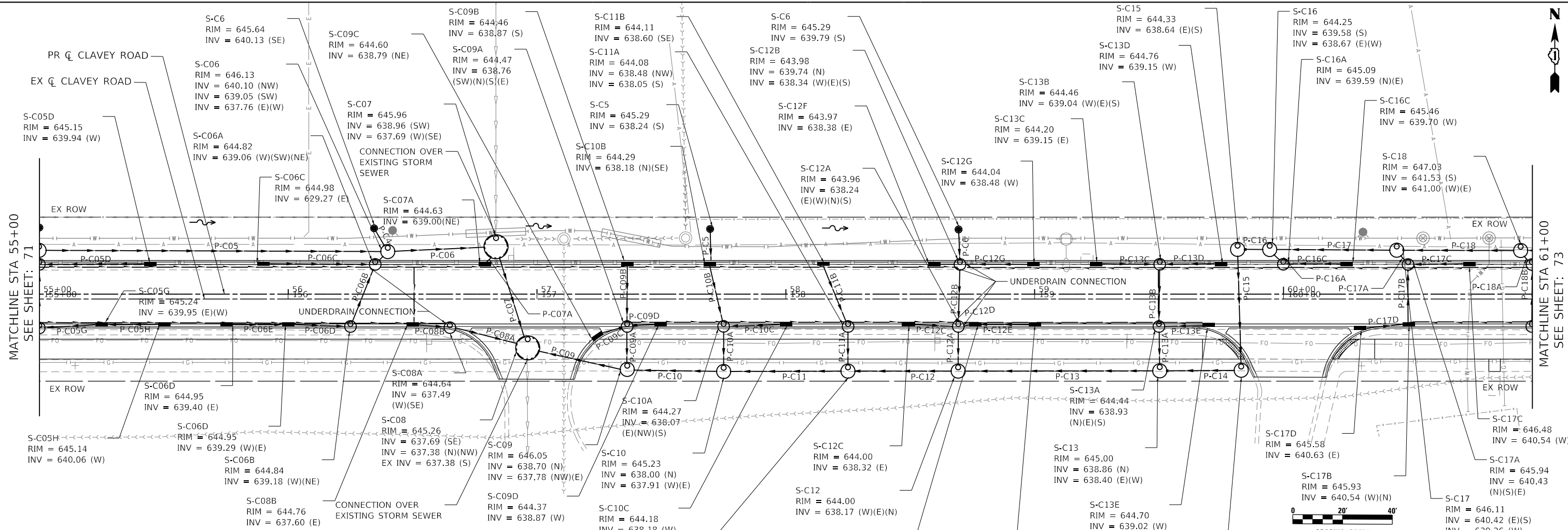
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 PROPOSED DRAINAGE PLAN AND PROFILE**
 SCALE: 1" = 20' SHEET NO. 6 OF 10 SHEETS STA. 43+00 TO STA. 49+00

FAU RFE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 70
CONTRACT NO. ILLINOIS FED. AID PROJECT				



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CiorbaGroup 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631 P 773.775.4009 www.ciorba.com		USER NAME = WaterResources DESIGNED - RD DRAWN - DDS CHECKED - TW DATE = 2/26/2020		REVISED - REVISED - REVISED - REVISED -		CITY OF HIGHLAND PARK		CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION PROPOSED DRAINAGE PLAN AND PROFILE				FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 71
SCALE: 1" = 20' SHEET NO. 7 OF 10 SHEETS STA. 49+00 TO STA. 55+00										ILLINOIS FED. AID PROJECT						



ELEVATION (FT)	DESIGN DATA		STATIONING
	PIPE DIAMETER	SLOPE	
635.23	135 LF 30" RCCP TY 2	0.35%	55+00
637.76	41 LF 30" RCCP TY 2	0.30%	56+00
637.81	41 LF 30" RCCP TY 2	0.30%	56+50
637.69	28 LF 30" RCCP TY 2	0.30%	57+00
637.69	28 LF 30" RCCP TY 2	0.30%	57+50
638.04	45 LF 30" RCCP TY 2	0.30%	58+00
638.05	39 LF 30" RCCP TY 2	0.30%	58+50
638.17	76 LF 30" RCCP TY 2	0.30%	59+00
638.40	33 LF 27" RCCP TY 2	0.30%	59+50
638.67	44 LF 24" RCCP TY 2	0.30%	60+00
639.26	45 LF 18" RCCP TY 2	1.30%	60+50
641.00	45 LF 18" RCCP TY 2	1.30%	61+00



USER NAME - WaterResources	DESIGNED - RD	REVISED -
PLOT SCALE = 40,000' / 1"	DRAWN - DDS	REVISED -
PLOT DATE = 2/26/2020	CHECKED - TW	REVISED -
	DATE - 2/26/2020	REVISED -

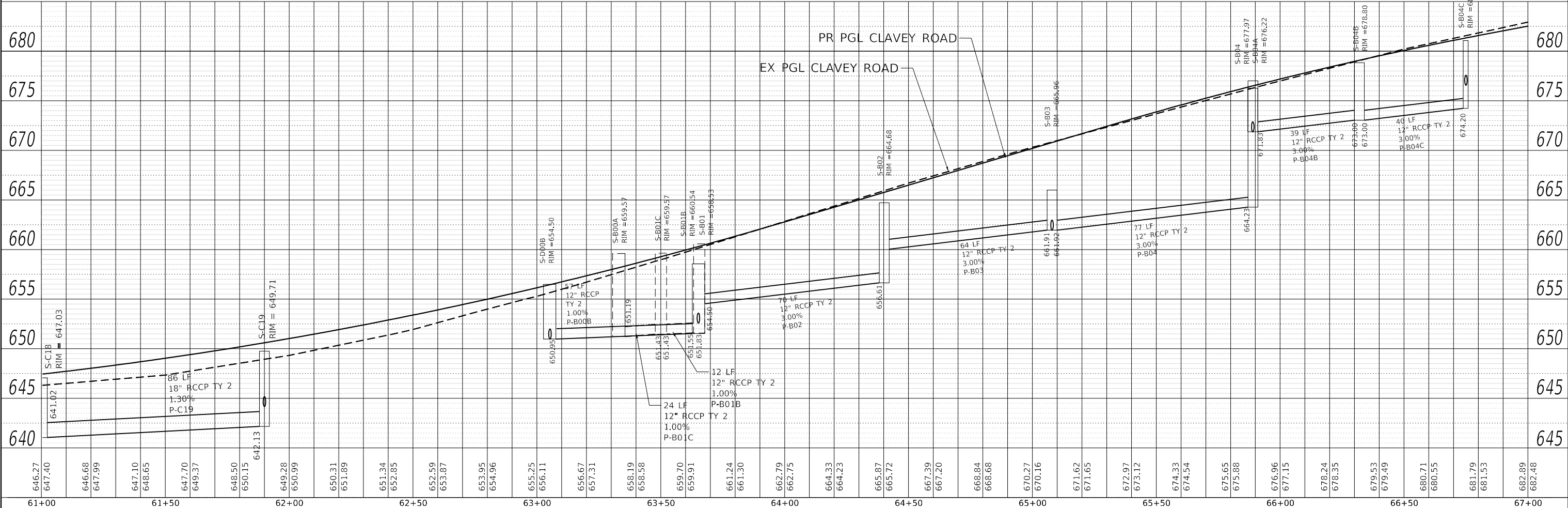
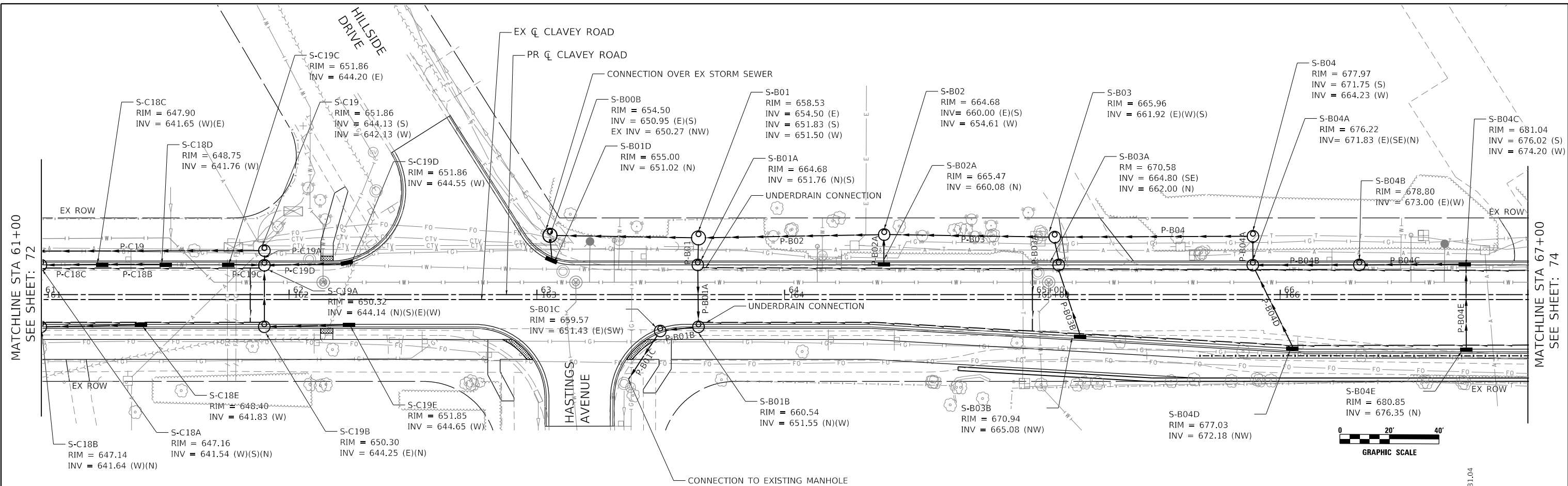
**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED DRAINAGE PLAN AND PROFILE**

SCALE: 1" = 20' SHEET NO. 8 OF 10 SHEETS STA. 55+00 TO STA. 61+00

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 72
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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646.27	647.40	646.68	647.99	647.10	648.65	647.70	649.37	648.50	650.15	649.28	650.99	650.31	651.89	651.34	652.85	652.59	653.87	653.95	654.96	655.25	656.11	656.67	657.31	658.19	658.58	659.70	659.91	661.24	661.30	662.79	662.75	664.33	664.23	665.87	665.72	667.39	667.20	668.84	668.68	670.27	670.16	671.62	671.65	672.97	673.12	674.33	674.54	675.65	675.88	676.96	677.15	678.24	678.35	679.53	679.49	680.71	680.55	681.79	681.53	682.89	682.48
61+00	61+50	62+00	62+50	63+00	63+50	64+00	64+50	65+00	65+50	66+00	66+50	67+00																																																	

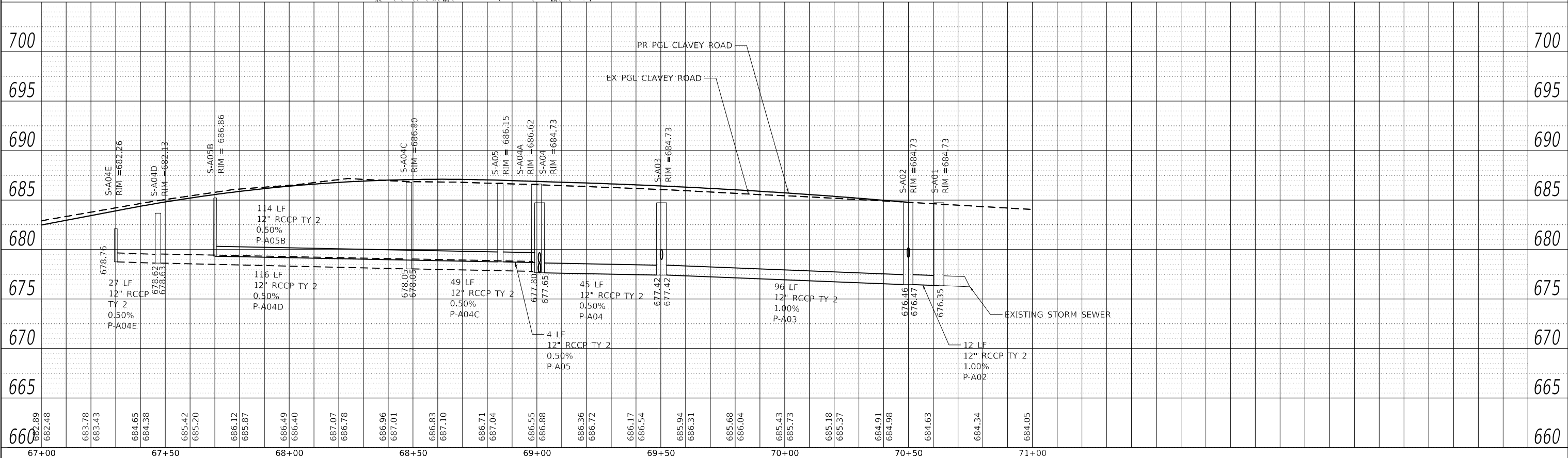
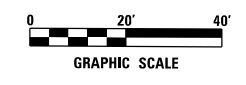
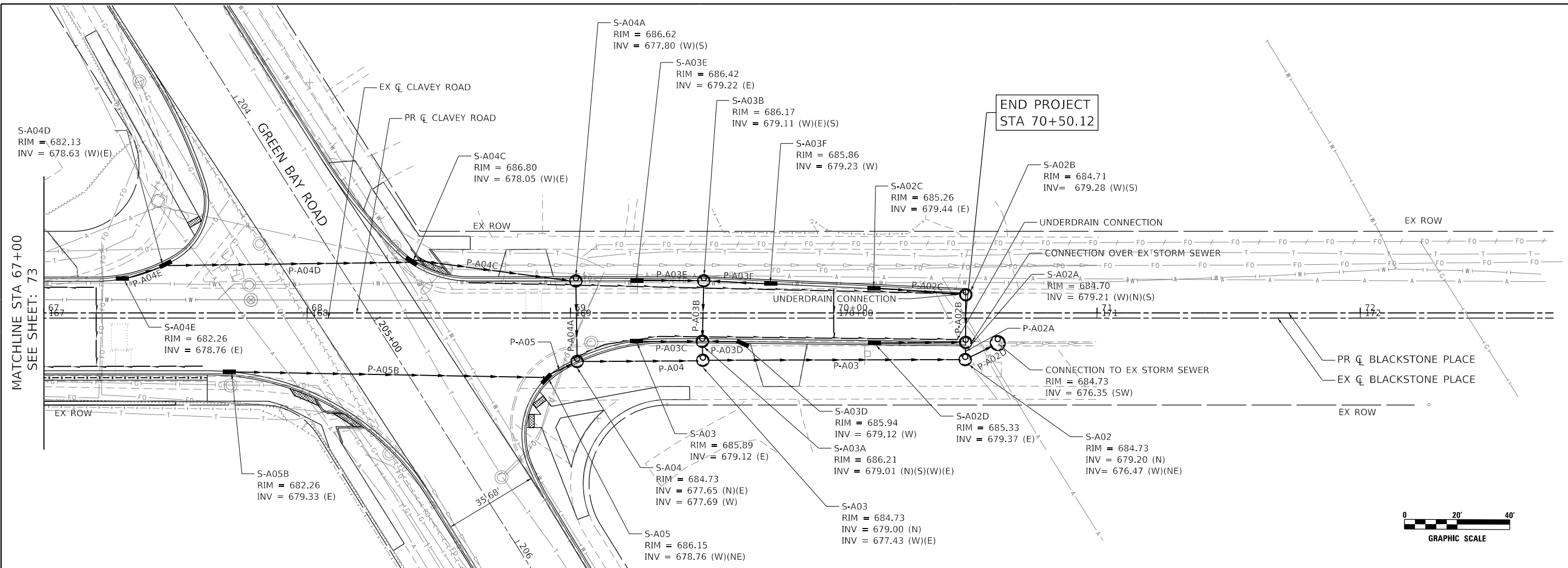


USER NAME = WaterResources	DESIGNED - RD	REVISED -
DRAWN - DDS	REVISED -	
CHECKED - TW	REVISED -	
DATE = 2/26/2020	REVISED -	

CITY OF HIGHLAND PARK
CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED DRAINAGE PLAN AND PROFILE

SCALE: 1" = 20'	SHEET NO. 9 OF 10 SHEETS	STA. 61+00 TO STA. 67+00
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FAU RFE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 73
CONTRACT NO. ILLINOIS FED. AID PROJECT				



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USER NAME = WaterResources	DESIGNED - RD	REVISED -
PLOT SCALE = 40,0000' / 1"	DRAWN - DDS	REVISED -
PLOT DATE = 2/26/2020	CHECKED - TW	REVISED -
	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PROPOSED DRAINAGE PLAN AND PROFILE**

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	74
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. 10 OF 10 SHEETS STA. 67+00 TO STA. 70+50.00

REFERENCE LINE	DRAINAGE REMOVALS						PIPE		STRUCTURE	60500040 REMOVING MANHOLES	60500050 REMOVING CATCH BASINS	60500060 REMOVING INLETS	55100200 STORM SEWER REMOVAL 6"	55100300 STORM SEWER REMOVAL 8"	55100400 STORM SEWER REMOVAL 10"	55100500 STORM SEWER REMOVAL 12"	55100700 STORM SEWER REMOVAL 15"	55100900 STORM SEWER REMOVAL 18"	55101200 STORM SEWER REMOVAL 24"	55101400 STORM SEWER REMOVAL 30"	55101800 STORM SEWER REMOVAL 42"	55101900 STORM SEWER REMOVAL 48"	55102500 STORM SEWER REMOVAL 84"	50104400 CONCRETE HEADWALL REMOVAL	20800150 TRENCH BACKFILL		
	STATION	FROM	OFFSET	RT	STATION	TO	LENGTH (FT)	DIA (IN)																			
CLAVEY RD	57+59	24.8	RT	56+96	21.5	RT	63	18																		36.1	
CLAVEY RD	57+59	10.9	LT	57+59	24.8	RT	36	10						36												10.0	
CLAVEY RD	58+05	25.0	RT	57+59	24.8	RT	46	18									46										
CLAVEY RD	58+06	13.3	RT	58+05	25.0	RT	12	12																		2.0	
CLAVEY RD	59+37	24.9	RT	58+05	25.0	RT	132	18									132										
CLAVEY RD	59+21	14.5	LT	59+37	24.9	RT	42	15																		13.2	
CLAVEY RD	59+37	13.9	RT	59+37	24.9	RT	11	12																		1.8	
CLAVEY RD	59+85	25.6	RT	59+37	24.9	RT	48	15																			
CLAVEY RD	60+94	15.2	RT	59+85	25.6	RT	110	12																		30.9	
CLAVEY RD	60+94	11.0	LT	60+94	15.2	RT	26	10																		4.3	
CLAVEY RD	61+52	15.6	LT	59+21	14.5	LT	231	8																			
CLAVEY RD	63+45	14.2	LT	63+11	14.5	LT	35	8					232														
CLAVEY RD	63+58	10.8	LT	63+60	15.2	RT	26	10					35														
CLAVEY RD	63+60	15.2	RT	63+35	35.8	RT	33	12																		5.2	
CLAVEY RD	65+82	15.9	RT	63+60	15.2	RT	222	10																		11.6	
CLAVEY RD	65+81	10.8	LT	65+82	15.9	RT	27	10																		73.1	
CLAVEY RD	69+00	10.8	RT	70+50	10.8	RT	152	12																		7.5	
							TOTAL																				
									13	21	21	55	328	441	1411	627	450	217	850	56	985	520	2			1449	

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	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

CITY OF HIGHLAND PARK

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION DRAINAGE REMOVAL SCHEDULE

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	76
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

PIPE NO.	FROM STRUCTURE NO.	TO STRUCTURE NO.	PIPE SLOPE %	PIPE SIZE IN	PIPE LENGTH FT	550A0340	550A0360	550A0410	550A0430	550A0450	550A0470	550A0500	550A0520	550A0540	550A5300	Z0056668	Z0056669	Z0056670	Z0056672	Z0056675	Z0056678	550A2640	550A2660	20800150
						CL A TY 2 12" FT	CL A TY 2 15" FT	CL A TY 2 24" FT	CL A TY 2 30" FT	CL A TY 2 36" FT	CL A TY 2 42" FT	CL A TY 2 60" FT	CL A TY 2 72" FT	CL A TY 2 84" FT	CL A TY 2 EQRS 36" FT	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE 12" FT	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE 15" FT	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE 18" FT	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE 24" FT	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE 30" FT	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE 36" FT	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 60" FT	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 72" FT	TRENCH BACKFILL CU YD
P-E15D	S-E15D	S-E15A	0.50	12	6	6																		2
P-E15E	S-E15E	S-E15D	0.50	12	15	15																		4
P-E15F	S-E15F	S-E15B	0.50	12	13																			8
P-E15G	S-E15G	S-E15B	0.50	12	12																			3
P-E16	S-E16	S-E17	0.21	72	67							67												140
P-E16A	S-E16A	S-E16	0.50	15	14		14																	5
P-E16B	S-E16B	S-E16A	0.50	12	22	22																		14
P-E16C	S-E16C	S-E16A	0.50	12	17	17																		5
P-E16D	S-E16D	S-E16C	0.50	12	16	16																		4
P-E16E	S-E16E	S215R	0.50	12	16	16																		5
P-E16F	S-E16F	S-E16E	0.50	12	17	17																		5
P-E16G	S-E16G	S-E16B	0.50	12	29																			17
P-E16H	S-E16H	S-E16B	0.50	12	28																			16
P-E17	S-E17	S-E18	0.21	72	73								73											176
P-E17A	S-E17A	S-E17	0.50	15	13		13																	5
P-E17B	S-E17B	S-E17A	0.50	12	24	24																		7
P-E17C	S-E17C	S-E17A	0.50	12	16	16																		5
P-E17D	S-E17D	S-E17A	0.50	12	13	13																		5
P-E17E	S-E17E	S-E17D	0.50	12	18	18																		6
P-E17F	S-E17F	S-E17B	0.50	12	25																			14
P-E18	S-E18	S-E19	0.21	72	41								41											135
P-E18A	S-E18A	S-E18	0.50	15	9		9																	8
P-E18B	S-E18B	S-E18A	0.50	12	29	29																		17
P-E18C	S-E18C	S-E18A	0.50	12	16	16																		10
P-E19	S-E19	S-E20	0.10	84	23									23										174
P-E19A	S-E19A	S-E19	0.50	15	9		9																	8
P-E19B	S-E19B	S-E19A	0.50	12	29	29																		17
P-E20	S-E20	S-E21	0.10	84	73									73										213
P-E20A	S-E20A	S-E20	0.50	15	9		9																	8
P-E20B	S-E20B	S-E20A	0.50	12	30																			17
P-ExNode	EX. NODE1	S-D111	0.25	24	5																			2
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USER NAME = WaterResources	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
PIPE SCHEDULE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	81
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

STRUCTURE NO.	ALIGNMENT	STATION	OFFSET	STRUCTURE TYPE	PAY ITEM	FRAME AND GRATE	ELEVATIONS								X0322719 TEMP. DRAINAGE CONNECTION	X1200024 INTERIM TY 1 FR & GR	60300105 FRAMES AND GRATES TO BE ADJUSTED		
							RIM	INVERTS						NW				SE	SW
								NORTH	SOUTH	EAST	WEST	NE	SW						
S-C01C	CLAVEY RD	50+99.86	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.71											
S-C02	CLAVEY RD	52+00.00	17.8	LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400		647.75											
S-C02A	CLAVEY RD	52+00.02	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		646.88							1		1		
S-C02B	CLAVEY RD	51+99.99	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		646.86											
S-C02C	CLAVEY RD	51+69.99	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.13											
S-C02D	CLAVEY RD	52+40.02	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	646.54											
S-C03	CLAVEY RD	52+70.00	17.7	LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400		646.39											
S-C03A	CLAVEY RD	52+70.01	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		646.29							1		1		
S-C03B	CLAVEY RD	52+69.89	12.9	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		646.30											
S-C03C	CLAVEY RD	53+05.01	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	646.08											
S-C04	CLAVEY RD	53+65.00	17.7	LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400		646.60											
S-C04A	CLAVEY RD	53+64.99	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		645.85						1	1	1			
S-C04B	CLAVEY RD	53+64.93	12.9	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		645.84											
S-C04C	CLAVEY RD	53+20.03	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	646.01							1		1		
S-C04D	CLAVEY RD	54+10.03	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.67							1		1		
S-C04E	CLAVEY RD	53+54.96	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.89											
S-C04F	CLAVEY RD	53+29.96	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.99											
S-C04G	CLAVEY RD	53+99.99	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.72											
S-C04H	CLAVEY RD	54+24.99	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.62											
S-C05	CLAVEY RD	54+99.87	17.6	LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		646.79											
S-C05A	CLAVEY RD	55+00.00	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		645.34							1		1		
S-C05B	CLAVEY RD	54+99.96	13.6	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		645.82											
S-C05C	CLAVEY RD	54+55.01	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.50							1		1		
S-C05D	CLAVEY RD	55+44.97	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.15							1		1		
S-C05E	CLAVEY RD	54+74.98	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.43											
S-C05F	CLAVEY RD	54+49.46	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.53											
S-C05G	CLAVEY RD	55+25.03	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.24											
S-C05H	CLAVEY RD	55+50.01	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.14											
S-C06	CLAVEY RD	56+40.02	17.2	LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		646.13											
S-C06A	CLAVEY RD	56+34.97	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		644.82							1		1		
S-C06B	CLAVEY RD	56+25.03	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		644.84											
S-C06C	CLAVEY RD	55+90.00	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.98							1		1		
S-C06D	CLAVEY RD	56+00.11	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.95											
S-C06E	CLAVEY RD	55+75.04	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.05											
S-C07	CLAVEY RD	56+83.52	19.1	LT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		645.96						1					
S-C07A	CLAVEY RD	56+80.00	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.63							1		1		
S-C08	CLAVEY RD	56+96.25	21.6	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		645.26											
S-C08A	CLAVEY RD	56+74.31	12.9	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		644.64											
S-C08B	CLAVEY RD	56+50.02	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.76											
S-C09	CLAVEY RD	57+25.00	30.3	RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		646.05											

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USER NAME = WaterResources	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
STRUCTURE SCHEDULE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	83
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

STRUCTURE NO.	ALIGNMENT	STATION	OFFSET	STRUCTURE TYPE	PAY ITEM	FRAME AND GRATE	ELEVATIONS								X0322719 TEMP. DRAINAGE CONNECTION	X1200024 INTERIM TY 1 FR & GR	60300105 FRAMES AND GRATES TO BE ADJUSTED		
							RIM	INVERTS						NW				SE	SW
								NORTH	SOUTH	EAST	WEST	NE	SW						
S-C09A	CLAVEY RD	57+24.98	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		644.47											
S-C09B	CLAVEY RD	57+25.03	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.46								1	1	1	
S-C09C	CLAVEY RD	57+19.45	18.5	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.59											
S-C09D	CLAVEY RD	57+50.02	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.37											
S-C1	CLAVEY RD	52+00.17	28.1	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805		647.85											
S-C10	CLAVEY RD	57+75.03	31.1	RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		645.23											
S-C10A	CLAVEY RD	57+74.99	12.9	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		644.27											
S-C10B	CLAVEY RD	57+69.97	12.2	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105	23	644.29							1	1	1		
S-C10C	CLAVEY RD	58+00.36	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.18											
S-C11	CLAVEY RD	58+24.99	30.9	RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		644.86											
S-C11A	CLAVEY RD	58+25.03	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		644.08											
S-C11B	CLAVEY RD	58+14.96	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.11							1	1	1		
S-C12	CLAVEY RD	58+69.27	31.0	RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		644.86											
S-C12A	CLAVEY RD	58+69.31	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		643.96											
S-C12B	CLAVEY RD	58+70.00	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		643.98							1	1	1		
S-C12C	CLAVEY RD	58+49.92	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.00											
S-C12D	CLAVEY RD	58+76.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	643.98											
S-C12E	CLAVEY RD	59+00.03	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.05											
S-C12F	CLAVEY RD	58+60.04	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	643.97								1	1		
S-C12G	CLAVEY RD	59+00.06	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.04								1	1		
S-C13	CLAVEY RD	59+50.27	30.8	RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		645.00											
S-C13A	CLAVEY RD	59+49.97	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		644.44											
S-C13B	CLAVEY RD	59+50.26	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		644.46							1	1	1		
S-C13C	CLAVEY RD	59+24.93	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.20								1	1		
S-C13D	CLAVEY RD	59+75.34	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.76								1	1		
S-C13E	CLAVEY RD	59+70.20	12.6	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	644.70											
S-C14	CLAVEY RD	59+88.50	30.6	RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		645.55											
S-C15	CLAVEY RD	59+87.04	18.0	LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		644.33							1				
S-C16	CLAVEY RD	59+99.95	18.0	LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		644.25											
S-C16A	CLAVEY RD	59+99.94	12.1	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		645.09								1	1		
S-C16C	CLAVEY RD	60+25.04	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.46								1	1		
S-C17	CLAVEY RD	60+50.06	17.7	LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		646.11											
S-C17A	CLAVEY RD	60+50.05	11.9	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		645.94								1	1		
S-C17B	CLAVEY RD	60+50.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.93											
S-C17C	CLAVEY RD	60+74.98	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	646.48								1	1		
S-C17D	CLAVEY RD	60+30.67	13.8	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.58											
S-C18	CLAVEY RD	60+99.86	17.5	LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		647.03											
S-C18A	CLAVEY RD	60+99.84	11.9	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		647.15								1	1		
S-C18B	CLAVEY RD	60+99.79	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		647.14											
S-C18C	CLAVEY RD	61+25.00	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.90								1	1		

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USER NAME = WaterResources	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
STRUCTURE SCHEDULE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	84
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

STRUCTURE NO.	ALIGNMENT	STATION	OFFSET		STRUCTURE TYPE	PAY ITEM	FRAME AND GRATE	ELEVATIONS								X0322719 TEMP. DRAINAGE CONNECTION	X1200024 INTERIM TY 1 FR & GR	60300105 FRAMES AND GRATES TO BE ADJUSTED		
								RIM	INVERTS						NW				SE	SW
									NORTH	SOUTH	EAST	WEST	NE	SW						
S-C18D	CLAVEY RD	61+50.00	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	648.75									1	1		
S-C18E	CLAVEY RD	61+39.90	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	648.40												
S-C19	CLAVEY RD	61+90.03	17.8	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		649.71												
S-C19A	CLAVEY RD	61+90.02	11.9	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		650.32									1	1		
S-C19B	CLAVEY RD	61+89.97	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		650.30												
S-C19C	CLAVEY RD	61+75.07	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	649.70									1	1		
S-C19D	CLAVEY RD	62+24.31	12.1	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	651.86									1	1		
S-C19E	CLAVEY RD	62+24.27	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	651.85												
S-C2	CLAVEY RD	53+65.64	27.5	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805		647.85												
S-C3	CLAVEY RD	54+99.99	26.8	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805		646.01												
S-C4	CLAVEY RD	56+34.52	26.5	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805		645.63												
S-C5	CLAVEY RD	57+69.57	26.2	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805		645.29												
S-C6	CLAVEY RD	58+69.41	26.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805		645.29												
S-D100	CLAVEY RD	29+92.12	38.7	RT	END SECTIONS 36"	54213471		635.00												
S-D101	CLAVEY RD	30+23.20	31.7	RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		636.00												
S-D101A	CLAVEY RD	31+27.01	15.6	RT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	60203805		636.24												
S-D101B	CLAVEY RD	30+87.00	14.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	636.56												
S-D101C	CLAVEY RD	31+59.99	14.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.11												
S-D101D	CLAVEY RD	31+50.00	16.6	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.29								1	1	1		
S-D102	CLAVEY RD	31+26.87	33.6	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		635.58												
S-D103	CLAVEY RD	32+74.98	37.7	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		634.19												
S-D103A	CLAVEY RD	32+74.89	13.6	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.31												
S-D103B	CLAVEY RD	32+74.65	14.8	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		633.89								1	1	1		
S-D103C	CLAVEY RD	32+45.04	13.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.23												
S-D103D	CLAVEY RD	32+25.01	13.9	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.24												
S-D103E	CLAVEY RD	32+38.04	15.9	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.07									1	1		
S-D103Z	CLAVEY RD	32+83.74	30.8	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805		633.50												
S-D104	CLAVEY RD	33+46.22	39.5	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		633.93												
S-D104A	CLAVEY RD	33+46.01	13.0	RT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	60203805		633.84												
S-D104B	CLAVEY RD	33+46.01	13.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		633.67								1	1	1		
S-D104C	CLAVEY RD	33+35.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.70												
S-D104D	CLAVEY RD	33+10.01	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.78												
S-D104E	CLAVEY RD	33+69.99	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.69												
S-D104F	CLAVEY RD	33+98.00	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.74												
S-D104G	CLAVEY RD	33+35.00	13.4	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.67									1	1		
S-D104H	CLAVEY RD	33+70.00	12.6	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.67									1	1		
S-D104I	CLAVEY RD	33+90.01	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.71									1	1		
S-D105	CLAVEY RD	34+95.81	41.6	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		634.37												
S-D105A	CLAVEY RD	34+92.08	13.0	RT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	60203805		634.16												
S-D105B	CLAVEY RD	35+25.05	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.24												
S-D105D	CLAVEY RD	34+29.94	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.86												

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USER NAME = WaterResources	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
STRUCTURE SCHEDULE**

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	85
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

STRUCTURE NO.	ALIGNMENT	STATION	OFFSET	STRUCTURE TYPE	PAY ITEM	FRAME AND GRATE	ELEVATIONS								X0322719 TEMP. DRAINAGE CONNECTION	X1200024 INTERIM TY 1 FR & GR	60300105 FRAMES AND GRATES TO BE ADJUSTED		
							RIM	INVERTS						NW				SE	SW
								NORTH	SOUTH	EAST	WEST	NE	SW						
S-D105E	CLAVEY RD	35+60.02	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.38											
S-D105F	CLAVEY RD	34+70.01	12.1	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.02							1	1	1		
S-D105G	CLAVEY RD	34+35.03	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.87								1	1		
S-D105H	CLAVEY RD	35+30.18	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.26							1	1	1		
S-D105Z	CLAVEY RD	35+04.04	34.7	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	60200805		633.75											
S-D106	CLAVEY RD	36+45.45	42.0	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		634.56											
S-D106A	CLAVEY RD	36+45.00	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.30											
S-D106B	CLAVEY RD	36+79.99	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.14											
S-D106C	CLAVEY RD	36+50.00	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.29							1	1	1		
S-D107	CLAVEY RD	36+93.85	42.1	RT	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224446		634.31											
S-D108	CLAVEY RD	36+94.44	17.5	LT	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224446		634.31							1				
S-D108A	CLAVEY RD	37+00.04	12.1	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.04								1	1		
S-D109	CLAVEY RD	37+45.09	17.5	LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		634.05											
S-D109A	CLAVEY RD	37+45.01	10.6	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		633.84								1	1		
S-D109B	CLAVEY RD	37+45.01	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.81											
S-D109C	CLAVEY RD	37+14.92	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.96											
S-D109D	CLAVEY RD	37+79.99	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.67											
S-D110	CLAVEY RD	38+05.47	17.4	LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		633.88											
S-D110A	CLAVEY RD	38+10.08	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		633.64								1	1		
S-D110B	CLAVEY RD	38+13	16.5	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.16											
S-D110C	CLAVEY RD	37+90.00	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.64								1	1		
S-D110D	CLAVEY RD	38+32.98	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.65								1	1		
S-D110E	CLAVEY RD	38+84.99	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.84								1	1		
S-D110F	CLAVEY RD	39+10.00	12.8	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.92											
S-D110G	CLAVEY RD	38+28.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.65											
S-D110H	CLAVEY RD	38+65.01	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.76											
S-D111	CLAVEY RD	38+98.58	16.3	LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		634.16								1	1		
S-D112	CLAVEY RD	39+49.89	16.0	LT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		634.40											
S-D112A	CLAVEY RD	39+54.99	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.16								1	1		
S-D112B	CLAVEY RD	39+55.05	12.9	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.16											
S-D112C	CLAVEY RD	40+00.01	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.38								1	1		
S-D112D	CLAVEY RD	39+17.20	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.00											
S-D112E	CLAVEY RD	40+00.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.39											
S-D113	CLAVEY RD	40+38.31	16.5	LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		634.85											
S-D113A	CLAVEY RD	40+45.01	12.1	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.60								1	1		
S-D113B	CLAVEY RD	40+45.01	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.59											
S-D113C	CLAVEY RD	40+90.00	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.80								1	1		
S-D113D	CLAVEY RD	40+90.00	12.1	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.81											
S-D114	CLAVEY RD	41+29.38	16.8	LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		635.26											
S-D114A	CLAVEY RD	41+35.01	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		635.02								1	1		
S-D114B	CLAVEY RD	41+35.00	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		635.01											

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	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
STRUCTURE SCHEDULE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	86
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

STRUCTURE NO.	ALIGNMENT	STATION	OFFSET		STRUCTURE TYPE	PAY ITEM	FRAME AND GRATE	ELEVATIONS								X0322719 TEMP. DRAINAGE CONNECTION	X1200024 INTERIM TY 1 FR & GR	60300105 FRAMES AND GRATES TO BE ADJUSTED		
								RIM	INVERTS						NW				SE	SW
									NORTH	SOUTH	EAST	WEST	NE	SW						
S-D114C	CLAVEY RD	41+52.00	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.09									1	1		
S-D114D	CLAVEY RD	41+87.01	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.25									1	1		
S-D114E	CLAVEY RD	41+77.03	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.21												
S-D115	CLAVEY RD	42+16.43	17.0	LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		635.67												
S-D115A	CLAVEY RD	42+22.01	12.1	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		635.42									1	1		
S-D115B	CLAVEY RD	42+22.00	12.9	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		635.42												
S-D115C	CLAVEY RD	42+56.99	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.58									1	1		
S-D115D	CLAVEY RD	42+92.01	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.75									1	1		
S-D115E	CLAVEY RD	42+57.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.59												
S-D116	CLAVEY RD	43+21.65	17.0	LT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60221100		636.27												
S-D116A	CLAVEY RD	43+26.99	12.1	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		636.04									1	1		
S-D116B	CLAVEY RD	43+27.00	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		636.03												
S-D116C	CLAVEY RD	43+50.00	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	636.32									1	1		
S-D116D	CLAVEY RD	42+92.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.75												
S-D117	CLAVEY RD	44+15.28	17.2	LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400		637.94												
S-D117A	CLAVEY RD	44+20.00	12.1	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		637.72									1	1		
S-D117B	CLAVEY RD	44+20.01	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		637.71												
S-D117C	CLAVEY RD	44+55.00	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	638.63									1	1		
S-D117D	CLAVEY RD	44+95.01	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	639.69									1	1		
S-D117E	CLAVEY RD	44+54.99	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	638.64												
S-D118	CLAVEY RD	45+40.17	17.2	LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400		641.27												
S-D118A	CLAVEY RD	45+45.00	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		641.02									1	1		
S-D118B	CLAVEY RD	45+45.07	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		641.01												
S-D118C	CLAVEY RD	45+70.01	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	641.68												
S-D119	CLAVEY RD	46+10.97	17.0	LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400		643.01												
S-D119A	CLAVEY RD	46+20.99	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		643.03									1	1		
S-D119B	CLAVEY RD	46+20.97	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	643.03												
S-D120	CLAVEY RD	46+79.37	17.1	LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400		644.97												
S-D120A	CLAVEY RD	46+85.00	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		644.72									1	1		
S-D120B	CLAVEY RD	46+85.01	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		644.71												
S-D120C	CLAVEY RD	47+00.01	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	645.10												
S-D121	CLAVEY RD	47+50.65	17.2	LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400		646.49												
S-D121A	CLAVEY RD	47+56.00	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		646.25									1	1		
S-D121B	CLAVEY RD	47+55.99	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		646.24												
S-D121C	CLAVEY RD	47+79.96	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	646.57									1	1		
S-D121D	CLAVEY RD	48+00.00	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	646.79									1	1		
S-D121E	CLAVEY RD	48+13.42	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	646.90									1	1		
S-D121F	CLAVEY RD	48+43.00	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.07									1	1		
S-D121G	CLAVEY RD	48+64.00	12.3	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		647.18									1	1		
S-D121H	CLAVEY RD	48+87.00	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.30									1	1		
S-D121I	CLAVEY RD	49+10.01	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.41									1	1		

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	DRAWN - DDS	REVISED -
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PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
STRUCTURE SCHEDULE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 87
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

STRUCTURE NO.	ALIGNMENT	STATION	OFFSET		STRUCTURE TYPE	PAY ITEM	FRAME AND GRATE	ELEVATIONS								X0322719 TEMP. DRAINAGE CONNECTION	X1200024 INTERIM TY 1 FR & GR	60300105 FRAMES AND GRATES TO BE ADJUSTED		
								RIM	INVERTS						NW				SE	SW
									NORTH	SOUTH	EAST	WEST	NE							
S-D121J	CLAVEY RD	47+76.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	646.53												
S-D121K	CLAVEY RD	48+06.55	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	646.86												
S-D121L	CLAVEY RD	48+16.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	646.93												
S-D121M	CLAVEY RD	48+36.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.05												
S-D121N	CLAVEY RD	48+57.00	12.3	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		647.15												
S-D121O	CLAVEY RD	48+79.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.27												
S-D122	CLAVEY RD	49+25.94	17.1	LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60218400		647.78												
S-D122A	CLAVEY RD	49+31.03	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		647.53							1		1			
S-D122B	CLAVEY RD	49+40.00	12.97	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		647.57												
S-D122C	CLAVEY RD	49+53.00	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.63							1		1			
S-D122D	CLAVEY RD	49+77.99	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.76							1		1			
S-D122E	CLAVEY RD	50+05.01	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.88							1		1			
S-D122F	CLAVEY RD	49+19.98	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.48												
S-D122G	CLAVEY RD	49+00.01	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.37												
S-D122H	CLAVEY RD	49+60.01	12.22	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.68												
S-D122I	CLAVEY RD	49+80.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.78												
S-D122J	CLAVEY RD	50+00.01	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.88												
S-D122K	CLAVEY RD	50+20.00	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	647.93												
S-D123	CLAVEY RD	48+64.08	17.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		646.96												
S-D200	CLAVEY RD	29+91.77	33.4	LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54213669														
S-D201	CLAVEY RD	31+00.75	27.4	LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54213669														
S-E00	CLAVEY RD	13+52.69	17.8	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		637.02												
S-E01	CLAVEY RD	14+31.00	29.6	RT	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224459		636.86												
S-E01A	CLAVEY RD	13+97.10	21.4	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		636.51												
S-E01B	CLAVEY RD	14+13.98	17.3	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		636.65						1	1		1			
S-E01C	CLAVEY RD	14+31.10	19.1	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	636.20												
S-E01D	CLAVEY RD	13+72.00	17.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	636.90							1		1			
S-E01E	CLAVEY RD	14+30.97	17.0	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	636.25							1		1			
S-E02	CLAVEY RD	14+96.07	29.3	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		636.20												
S-E02A	CLAVEY RD	14+96.03	20.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		635.55												
S-E02B	CLAVEY RD	14+96.00	17.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		635.60						1	1		1			
S-E02C	CLAVEY RD	14+66.03	19.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.86												
S-E02D	CLAVEY RD	15+15+50	18.7	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.25												
S-E02E	CLAVEY RD	14+65.99	17.8	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.85							1		1			
S-E03	CLAVEY RD	15+99.87	29.4	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		635.45												
S-E03A	CLAVEY RD	15+76.88	37.4	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.56												
S-E03B	CLAVEY RD	15+80.00	17.0	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.93							1		1			
S-E03C	CLAVEY RD	15+48.40	36.7	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.80												
S-E03D	CLAVEY RD	15+99.97	19.7	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.82												
S-E03E	CLAVEY RD	15+48.01	17.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.06							1		1			
S-E03F	CLAVEY RD	16+00.01	17.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.85						1	1		1			

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USER NAME = WaterResources	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
STRUCTURE SCHEDULE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	88
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

STRUCTURE NO.	ALIGNMENT	STATION	OFFSET		STRUCTURE TYPE	PAY ITEM	FRAME AND GRATE	ELEVATIONS								X0322719 TEMP. DRAINAGE CONNECTION	X1200024 INTERIM TY 1 FR & GR	60300105 FRAMES AND GRATES TO BE ADJUSTED		
								RIM	INVERTS						NW				SE	SW
									NORTH	SOUTH	EAST	WEST	NE	SW						
S-E04	CLAVEY RD	16+46.03	28.7	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		635.24												
S-E04A	CLAVEY RD	16+45.98	19.9	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.60												
S-E04A	CLAVEY RD	24+01.97	16.4	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.04												
S-E04C	CLAVEY RD	16+23.06	19.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.70												
S-E04D	CLAVEY RD	16+67.98	18.7	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.52												
S-E04E	CLAVEY RD	16+89.98	18.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.44												
S-E04F	CLAVEY RD	16+23.00	17.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.74							1	1				
S-E04G	CLAVEY RD	16+76.20	17.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.51							1	1				
S-E05	CLAVEY RD	17+35.00	31.0	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		634.94												
S-E04B	CLAVEY RD	16+46.00	17.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.65						1	1	1				
S-E05A	CLAVEY RD	17+34.97	17.7	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.26												
S-E05C	CLAVEY RD	17+12.99	17.6	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.35												
S-E05D	CLAVEY RD	17+59.00	16.4	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.18												
S-E05E	CLAVEY RD	17+04.98	17.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.38							1	1				
S-E05F	CLAVEY RD	17+49.13	16.7	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.21							1	1				
S-E06	CLAVEY RD	18+04.91	31.2	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		634.70												
S-E05B	CLAVEY RD	17+34.99	16.8	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.28						1	1	1				
S-E06A	CLAVEY RD	18+05.01	16.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.00												
S-E06C	CLAVEY RD	17+82.00	15.8	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.09												
S-E06D	CLAVEY RD	18+28.98	14.7	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.93												
S-E06E	CLAVEY RD	17+75.99	16.0	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.11							1	1				
S-E06F	CLAVEY RD	18+32.99	14.5	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.91							1	1				
S-E07	CLAVEY RD	18+75.1	31.0	RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60223800		634.22												
S-E06B	CLAVEY RD	18+04.99	15.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.01						1	1	1				
S-E07A	CLAVEY RD	18+75.02	14.3	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		633.88												
S-E07C	CLAVEY RD	18+64.98	13.8	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.88												
S-E07D	CLAVEY RD	18+52.93	14.1	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.89												
S-E07E	CLAVEY RD	18+81.36	13.4	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.89												
S-E07F	CLAVEY RD	18+91.09	13.1	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.91												
S-E07G	CLAVEY RD	19+11.99	12.6	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.96												
S-E07H	CLAVEY RD	18+61.09	13.8	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.88							1	1				
S-E07I	CLAVEY RD	18+81.35	13.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.88							1	1				
S-E07J	CLAVEY RD	18+99.94	13.0	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.91							1	1				
S-E07K	CLAVEY RD	19+21.00	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.99							1	1				
S-E08	CLAVEY RD	19+89.45	32.4	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		634.05												
S-E07B	CLAVEY RD	18+75.00	13.3	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		633.89						1	1	1				
S-E08A	CLAVEY RD	19+75.01	12.3	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.23												
S-E08B	CLAVEY RD	19+77.07	15.7	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.55												
S-E08C	CLAVEY RD	19+54.95	13.0	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.13												
S-E08D	CLAVEY RD	19+33.09	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.05												
S-E08E	CLAVEY RD	19+94.34	16.7	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.49							1	1				

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USER NAME = WaterResources	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
STRUCTURE SCHEDULE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	89
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

STRUCTURE NO.	ALIGNMENT	STATION	OFFSET		STRUCTURE TYPE	PAY ITEM	FRAME AND GRATE	ELEVATIONS								X0322719 TEMP. DRAINAGE CONNECTION	X1200024 INTERIM TY 1 FR & GR	60300105 FRAMES AND GRATES TO BE ADJUSTED		
								RIM	INVERTS						NW				SE	SW
									NORTH	SOUTH	EAST	WEST	NE	SW						
S-E09	CLAVEY RD	20+37.47	31.1	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		634.59												
S-E08B	CLAVEY RD	19+55.00	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.14							1	1	1			
S-E09A	CLAVEY RD	20+55.19	15.9	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		635.09												
S-E09C	CLAVEY RD	20+45.93	13.5	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.55												
S-E09EX	CLAVEY RD	20+02.76	49.0	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.73												
S-E10	CLAVEY RD	20+95.32	29.6	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		634.55												
S-E09B	CLAVEY RD	20+54.96	17.4	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		633.52						1	1	1				
S-E10B	CLAVEY RD	20+95.03	12.0	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.73						1	1	1				
S-E10C	CLAVEY RD	20+74.87	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.64												
S-E10A	CLAVEY RD	20+95.09	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.71												
S-E10F	CLAVEY RD	20+65.01	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.59							1	1	1			
S-E11	CLAVEY RD	21+92.69	29.2	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		634.68												
S-E10D	CLAVEY RD	21+14.83	12.3	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.79												
S-E11B	CLAVEY RD	21+93.01	12.0	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.77						1	1	1				
S-E11C	CLAVEY RD	21+75.07	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.81												
S-E11D	CLAVEY RD	22+12.00	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.70												
S-E12	CLAVEY RD	22+50.14	29.2	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		634.50												
S-E11A	CLAVEY RD	21+92.95	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.76												
S-E12A	CLAVEY RD	22+50.00	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.62												
S-E12C	CLAVEY RD	22+31.03	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.64												
S-E12D	CLAVEY RD	22+68.60	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.51												
S-E12E	CLAVEY RD	22+88.02	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.44												
S-E12F	CLAVEY RD	22+19.96	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.67							1	1	1			
S-E12G	CLAVEY RD	22+82.41	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.45							1	1	1			
S-E13	CLAVEY RD	23+45.25	29.3	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		634.23												
S-E12B	CLAVEY RD	22+49.93	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.58						1	1	1				
S-E13A	CLAVEY RD	23+44.93	13.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.31												
S-E13C	CLAVEY RD	23+25.48	12.2	RT	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224446		634.31							1	1	1			
S-E13D	CLAVEY RD	23+08.06	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.37												
S-E13E	CLAVEY RD	23+63.49	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.17												
S-E13G	CLAVEY RD	23+29.77	11.6	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.30												
S-E13H	CLAVEY RD	23+77.56	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.12							1	1	1			
S-E14	CLAVEY RD	24+02.20	28.8	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		634.55												
S-E13B	CLAVEY RD	23+44.98	12.1	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.24						1	1	1				
S-E14A	CLAVEY RD	23+83.08	12.2	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.11												
S-E14C	CLAVEY RD	24+08.96	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.01						1	1	1				
S-E15	CLAVEY RD	24+57.61	28.9	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		634.07												
S-E14B	CLAVEY RD			RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105														
S-E15A	CLAVEY RD	24+56.99	16.6	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		633.96												
S-E15D	CLAVEY RD	24+65.46	13.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.97												
S-E15E	CLAVEY RD	24+82.71	11.4	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.99							1	1	1			

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USER NAME = WaterResources	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
STRUCTURE SCHEDULE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 90
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

STRUCTURE NO.	ALIGNMENT	STATION	OFFSET		STRUCTURE TYPE	PAY ITEM	FRAME AND GRATE	ELEVATIONS								X0322719 TEMP. DRAINAGE CONNECTION	X1200024 INTERIM TY 1 FR & GR	60300105 FRAMES AND GRATES TO BE ADJUSTED		
								RIM	INVERTS						NW				SE	SW
									NORTH	SOUTH	EAST	WEST	NE	SW						
S-E15F	CLAVEY RD	24+40.62	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.95												
S-E15G	CLAVEY RD	24+71.50	12.3	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	633.95									1	1		
S-E16	CLAVEY RD	25+37.19	28.7	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		634.70												
S-E15B	CLAVEY RD	24+56.92	12.0	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		633.96						1	1		1	1		
S-E16A	CLAVEY RD	25+37.00	13.1	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.44												
S-E16C	CLAVEY RD	25+17.27	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.07												
S-E16D	CLAVEY RD	24+99.56	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.01												
S-E16E	CLAVEY RD	25+56.36	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.22												
S-E16F	CLAVEY RD	25+75.98	12.2	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.29												
S-E16G	CLAVEY RD	25+04.85	12.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.02									1	1		
S-E16H	CLAVEY RD	25+67.72	13.8	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.22									1	1		
S-E17	CLAVEY RD	26+13.09	28.2	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		634.63												
S-E16B	CLAVEY RD	25+37.09	12.8	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.13						1	1		1	1		
S-E17A	CLAVEY RD	26+13.03	13.5	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.45												
S-E17C	CLAVEY RD	25+93.81	12.3	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.35												
S-E17D	CLAVEY RD	26+29.27	13.1	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.55												
S-E17E	CLAVEY RD	26+49.89	13.5	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.73												
S-E17F	CLAVEY RD	25+85.01	14.2	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	634.27									1	1		
S-E18	CLAVEY RD	26+95.06	25.7	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		635.93												
S-E17B	CLAVEY RD	26+12.96	14.7	LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		634.40						1	1		1	1		
S-E18B	CLAVEY RD	26+94.94	16.4	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.23						1	1		1	1		
S-E18C	CLAVEY RD	26+75.85	14.1	RT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	635.02												
S-E19	CLAVEY RD	27+45.09	25.9	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		636.75												
S-E18A	CLAVEY RD	26+95.02	15.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		635.31												
S-E19B	CLAVEY RD	27+44.89	17.1	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	636.01						1	1		1	1		
S-E20	CLAVEY RD	28+00.00	25.7	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		637.66												
S-E19A	CLAVEY RD	27+45.04	14.9	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		636.08												
S-E20B	CLAVEY RD	27+99.89	16.6	LT	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	60237460	23	637.00						1	1		1	1		
S-E21	CLAVEY RD	28+58.64	28.7	RT	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	60224469		638.77												
S-E20A	CLAVEY RD	27+99.97	15.0	RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	60200105		637.02												
					TOTAL											39	141	141		

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USER NAME = WaterResources	DESIGNED - RD	REVISED -
	DRAWN - DDS	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TW	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

CITY OF HIGHLAND PARK

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
STRUCTURE SCHEDULE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	91
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

UNDERDRAIN SCHEDULE

UNDERDRAIN SCHEDULE								60108106	Z0076870	
FROM STRUCTURE		STRUCTURE OFFSET	INVERT	TO STRUCTURE		STRUCTURE OFFSET	INVERT	PROPOSED ALIGNMENT	PIPE UNDERDRAINS, TYPE 1, 6"	UNDERDRAIN CONNECTION TO STRUCTURE
NO.	STATION	(FT)		NO.	STATION	(FT)			(L.F.)	EACH
	13+00	LT			16+00	LT		CLAVEY ROAD	300	1
	16+00	LT			18+05	LT		CLAVEY ROAD	205	1
	19+20	LT			18+05	LT		CLAVEY ROAD	115	1
	21+45	LT			20+50	LT		CLAVEY ROAD	95	1
	21+45	LT			24+10	LT		CLAVEY ROAD	265	1
	27+80	LT			24+10	LT		CLAVEY ROAD	370	1
	30+50	LT			33+45	LT		CLAVEY ROAD	295	1
	36+00	LT			33+45	LT		CLAVEY ROAD	255	1
	36+00	LT			39+10	LT		CLAVEY ROAD	310	1
	42+20	LT			39+10	LT		CLAVEY ROAD	310	1
	45+43	LT			42+20	LT		CLAVEY ROAD	323	1
	48+65	LT			45+43	LT		CLAVEY ROAD	322	1
	50+55	LT			48+65	LT		CLAVEY ROAD	190	1
	50+55	LT			53+64	LT		CLAVEY ROAD	309	1
	53+65	LT			56+35	LT		CLAVEY ROAD	270	1
	56+35	LT			58+70	LT		CLAVEY ROAD	235	1
	61+90	LT			58+70	LT		CLAVEY ROAD	320	1
	67+20	LT			63+65	LT		CLAVEY ROAD	355	1
	68+60	LT			70+50	LT		CLAVEY ROAD	190	1
	13+50	RT			15+25	RT		CLAVEY ROAD	175	1
	16+00	RT			18+05	RT		CLAVEY ROAD	205	1
	18+05	RT			19+75	RT		CLAVEY ROAD	170	1
	21+45	RT			20+55	RT		CLAVEY ROAD	90	1
	21+45	RT			23+85	RT		CLAVEY ROAD	240	1
	27+80	RT			24+78	RT		CLAVEY ROAD	302	1
	30+50	RT			33+45	RT		CLAVEY ROAD	295	1
	34+30	RT			33+45	RT		CLAVEY ROAD	85	1
	36+00	RT			34+90	RT		CLAVEY ROAD	110	1
	36+00	RT			39+15	RT		CLAVEY ROAD	315	1
	42+20	RT			39+15	RT		CLAVEY ROAD	305	1
	45+45	RT			42+20	RT		CLAVEY ROAD	325	1
	48+55	RT			45+45	RT		CLAVEY ROAD	310	1
	50+55	RT			48+55	RT		CLAVEY ROAD	200	1
	50+55	RT			53+60	RT		CLAVEY ROAD	305	1
	53+60	RT			56+75	RT		CLAVEY ROAD	315	1
	57+25	RT			58+70	RT		CLAVEY ROAD	145	1
	61+90	RT			58+70	RT		CLAVEY ROAD	320	1
	67+60	RT			63+65	RT		CLAVEY ROAD	395	1
	69+00	RT			70+50	RT		CLAVEY ROAD	150	1
	15+00	LT			15+00	RT		CLAVEY ROAD	36	
	18+00	LT			18+00	RT		CLAVEY ROAD	30	
	21+00	LT			21+00	RT		CLAVEY ROAD	24	
	23+00	LT			23+00	RT		CLAVEY ROAD	24	
	26+00	LT			26+00	RT		CLAVEY ROAD	27	
	27+80	LT			27+80	RT		CLAVEY ROAD	32	
	30+50	LT			30+50	RT		CLAVEY ROAD	32	
	33+00	LT			33+00	RT		CLAVEY ROAD	26	
	36+00	LT			36+00	RT		CLAVEY ROAD	24	
	39+00	LT			39+00	RT		CLAVEY ROAD	24	
	42+00	LT			42+00	RT		CLAVEY ROAD	24	
	45+00	LT			45+00	RT		CLAVEY ROAD	24	
	48+00	LT			48+00	RT		CLAVEY ROAD	24	
	51+00	LT			51+00	RT		CLAVEY ROAD	24	
	54+00	LT			54+00	RT		CLAVEY ROAD	24	
	56+50	LT			56+50	RT		CLAVEY ROAD	24	
	59+50	LT			59+50	RT		CLAVEY ROAD	24	
	61+85	LT			61+85	RT		CLAVEY ROAD	24	
	65+00	LT			65+00	RT		CLAVEY ROAD	26	
	67+20	LT			67+20	RT		CLAVEY ROAD	33	
	70+00	RT			70+00	RT		CLAVEY ROAD	20	
TOTAL								10341	39	

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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
UNDERDRAIN SCHEDULE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	92
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

X0322916				
PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER				
STATION	ALIGNMENT	OFFSET		EACH
15+78.6	CLAVEY ROAD	29.4	RT	1
22+14.6	CLAVEY ROAD	32.4	RT	1
61+52.3	CLAVEY ROAD	15.6	LT	1
TOTAL				3

X0322917				
PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE				
STATION	ALIGNMENT	OFFSET		EACH
39+20.5	CLAVEY ROAD	24.5	LT	1
63+35.2	CLAVEY ROAD	35.8	RT	1
TOTAL				2

X0322918				
PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER				
STATION	ALIGNMENT	OFFSET		EACH
13+52.7	CLAVEY ROAD	17.8	RT	1
19+78.6	CLAVEY ROAD	14.3	LT	1
21+21.9	CLAVEY ROAD	32.7	RT	1
23+29.5	CLAVEY ROAD	11.3	RT	1
28+58.8	CLAVEY ROAD	28.7	RT	1
33+46.0	CLAVEY ROAD	13.0	LT	1
56+83.5	CLAVEY ROAD	19.1	LT	1
56+96.3	CLAVEY ROAD	33.2	RT	1
63+09.3	CLAVEY ROAD	11.9	LT	1
70+62.3	CLAVEY ROAD	11.6	RT	1
TOTAL				10

60100060				
CONCRETE HEADWALLS FOR PIPE DRAINS				
STATION	ALIGNMENT	OFFSET		FT
29+90	CLAVEY ROAD	39	RT	1
TOTAL				1

542A1069				
PIPE CULVERTS, CLASS A, TYPE 2 24"				
STATION	ALIGNMENT	OFFSET		FT
30+92	CLAVEY ROAD	32	LF	108
TOTAL				108

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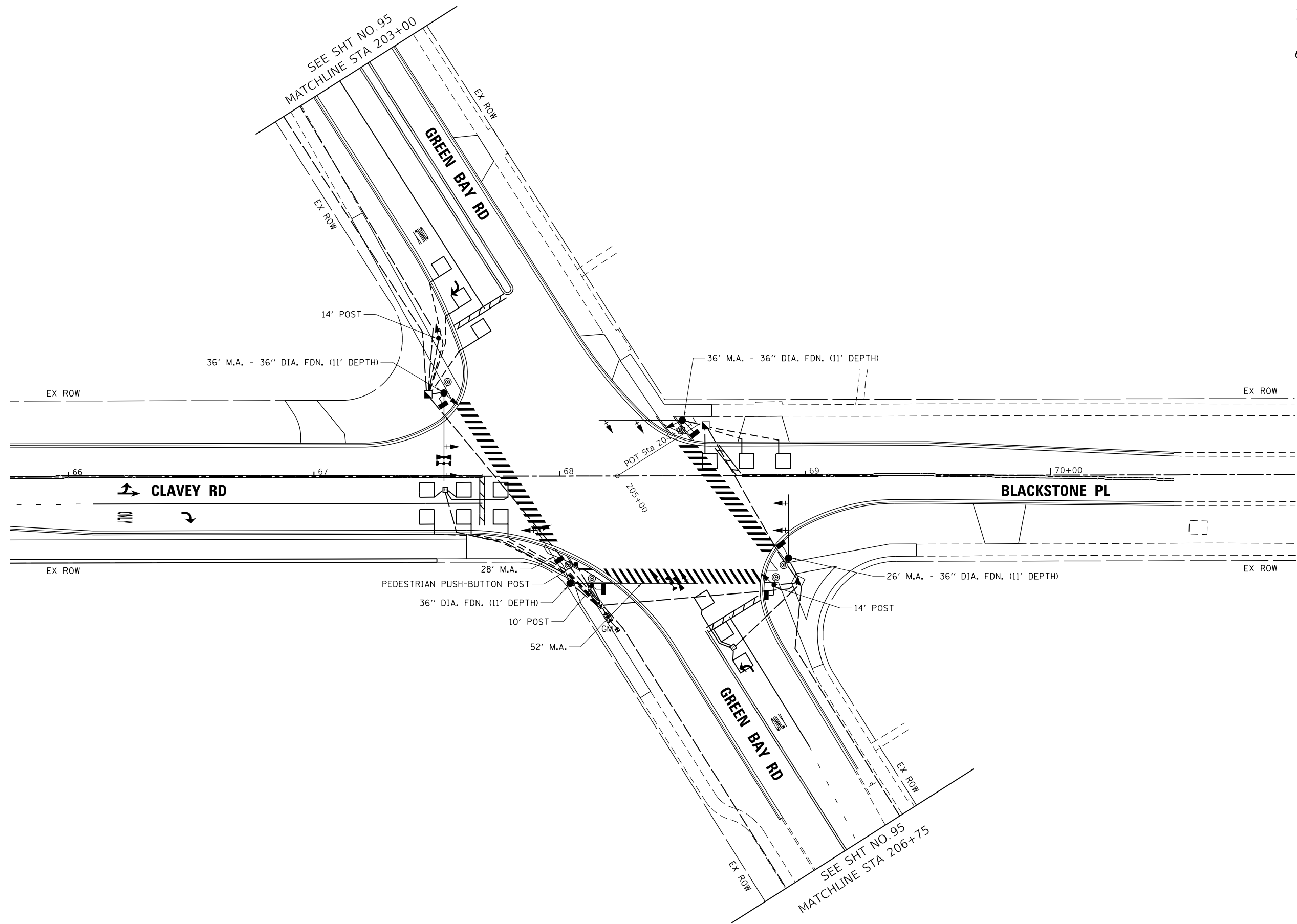
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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
MISCELLANEOUS SCHEDULE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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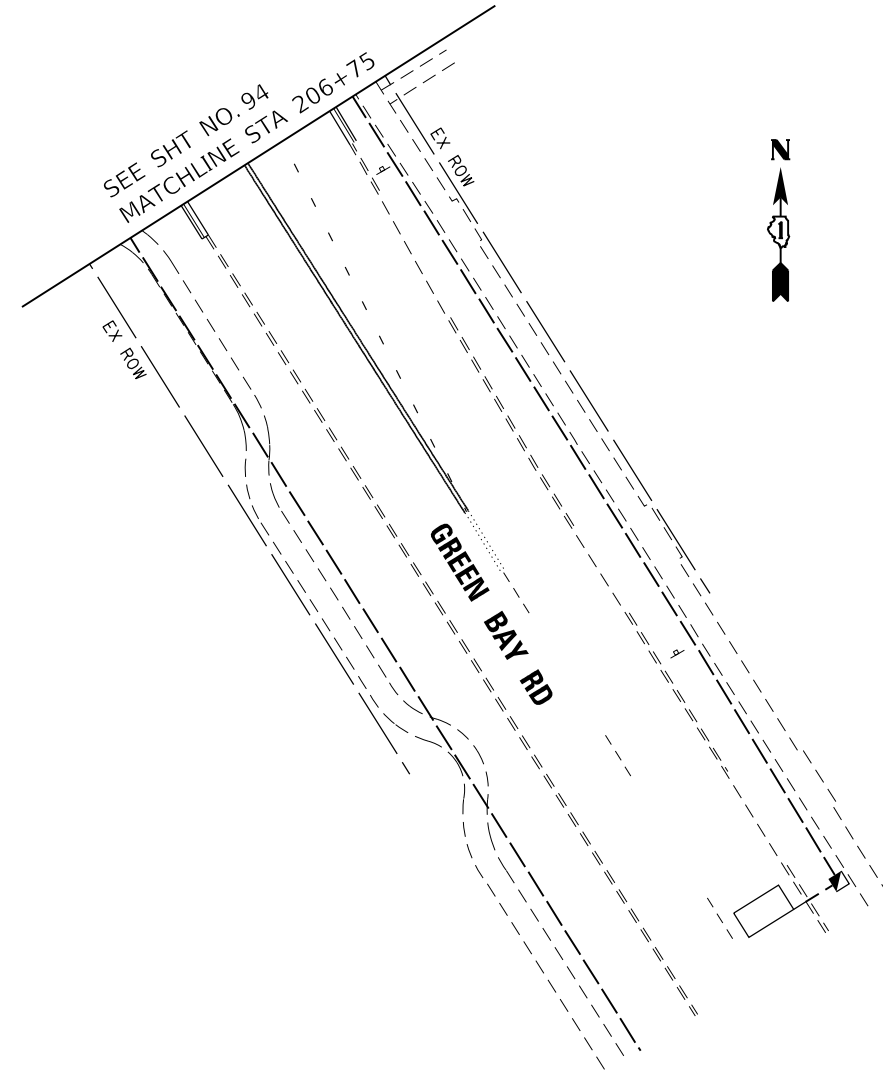
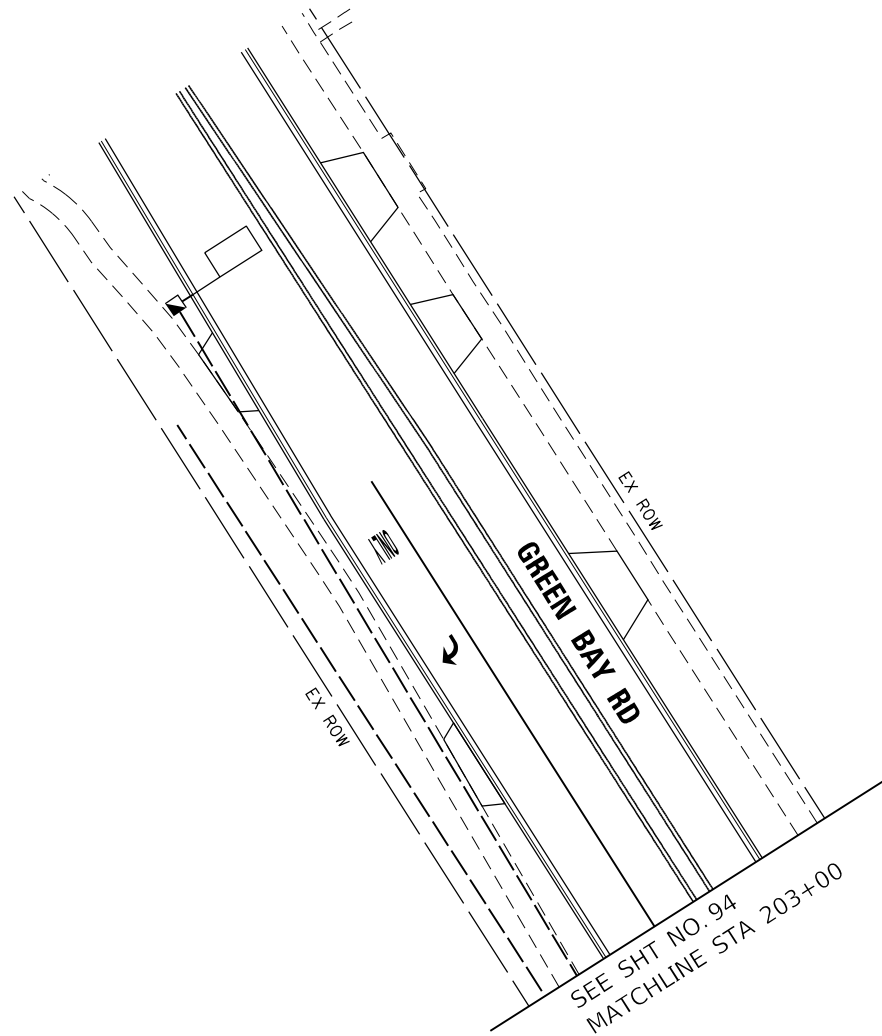
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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
TRAFFIC SIGNAL PLAN
CLAVEY ROAD AND GREEN BAY ROAD**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	94
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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	DRAWN - MJS	REVISED -
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**CITY OF
HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
TRAFFIC SIGNAL PLAN
CLAVEY ROAD AND GREEN BAY ROAD**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	95
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

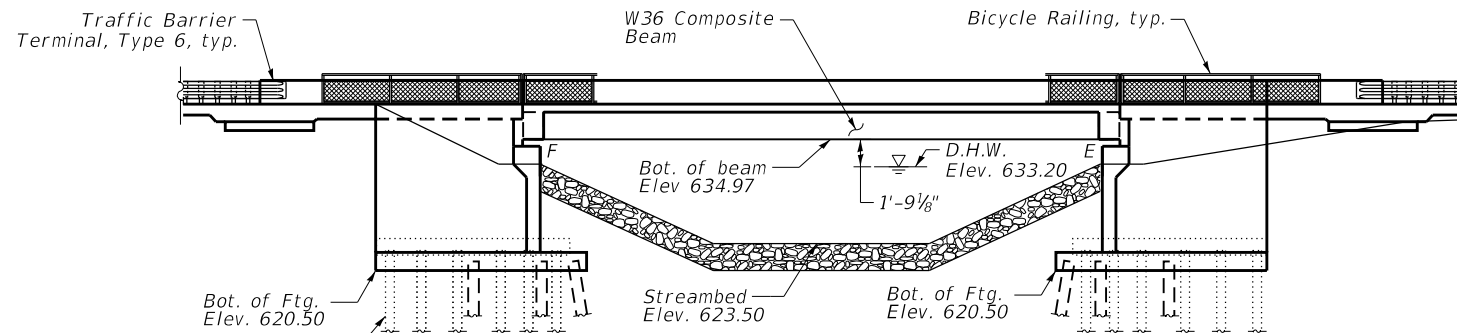
Bench Mark: Spike Set in south face of PP/LP, north side of Clavey Rd., east side of drive to Res. #1261, first pole west of Larkspur Drive, Elev. = 638.703

Existing Structure: S.N. 049-6586 Built in 1950 and rehabilitated in 2002 as Clavey Road over the Skokie Ditch. The existing structure consists of a reinforced concrete deck spanning over seven single span steel beams 69'-0" bk. to bk. abutments. 32'-10" out to out. The CONTRACTOR shall remove the existing structure except for the existing piles and replace it with a single span wide flange superstructure on semi-integral abutments. The road shall be kept open to one lane of traffic and pedestrian traffic at all times by utilizing stage construction.

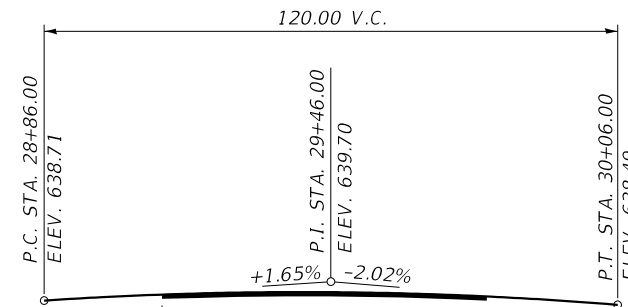
No Salvage.

WATERWAY INFORMATION

Drainage Area = ~ 20.9 sq. mi.		Existing Overtopping Elev. = 633.92 ft (C/L) at Sta. 37+92		Proposed Overtopping Elev. = 633.88 ft (C/L) at Sta. 38+07					
Flood	Freq. Yr.	Q C.F.S.	Waterway Opening Sq. Ft.		Head - ft		Headwater El.		
			Existing	Proposed	Natural H.W.E. (ft)	Exist.	Prop.	Exist.	Prop.
10 Year	10	962	295	342	631.9	0.1	0.1	632.0	632.0
Design	50	1454	355	408	633.0	0.2	0.2	633.2	633.2
Base	100	1751	385	441	633.5	0.2	0.3	633.7	633.8
Max. Calc.	500	2823	440	539	635.4	0.3	0.2	635.7	635.6



ELEVATION



PROFILE GRADE
(C/L Clavey Road)

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.057g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.100g
Soil Site Class = C

DESIGN SPECIFICATIONS
2017 AASHTO LRFD Bridge Design Specifications
8th Edition

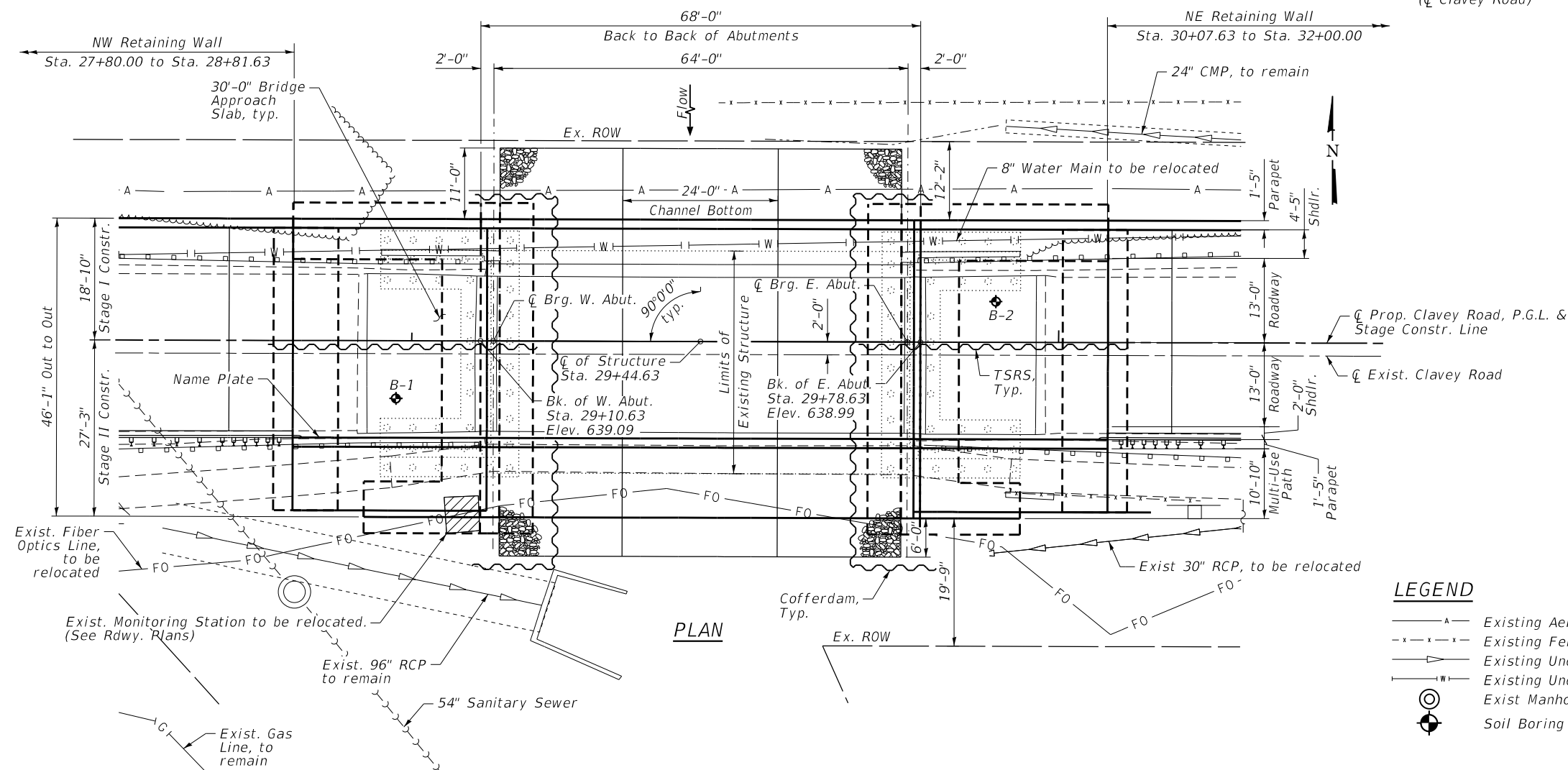
LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES
FIELD UNITS

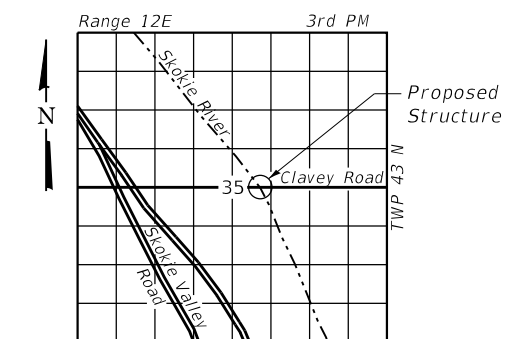
- f'_c = 4,000 psi (Superstructure)
- f'_c = 3,500 psi (Substructure)
- f_y = 60,000 psi (Reinforcement)
- f_y = 50,000 psi (M270 Grade 50)

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)		Item 113
	W. Abut.	E. Abut.	
Q100	608.57	608.57	8
Q200	604.90	604.90	
Design	612.49	612.49	
Check	615.09	615.09	



PLAN



LOCATION MAP

LEGEND

- Existing Aerial Line
- - - Existing Fence
- Existing Underground Storm Sewer
- Existing Underground Water Line
- Exist Manhole
- ⊙ Soil Boring

GENERAL PLAN & ELEVATION
CLAVEY ROAD OVER SKOKIE DITCH
SECTION 15-00125-00-PV
LAKE COUNTY
STATION 29+44.63
STRUCTURE NO. 049-6585

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CITY OF HIGHLAND PARK

SHEET S-1 OF S-28 SHEETS

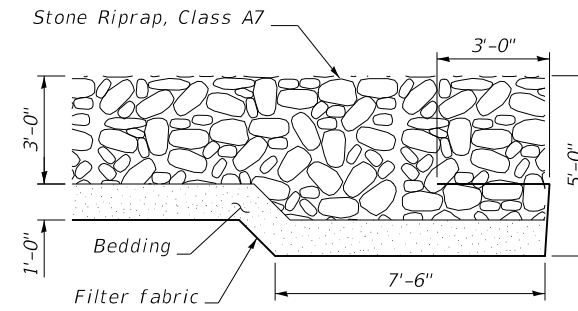
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1265	15-00125-00-PV	LAKE	153	96
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized bolts in metallized areas. Bolts 7/8" Ø, holes 1 1/16" Ø, unless otherwise noted.
- Calculated weight of Structural Steel = 81,620 lbs.
- All new structural steel shall be metallized. See Special Provision for "Metallizing of Structural Steel."
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The CONTRACTOR shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the CONTRACTOR will be paid for the quantity actually furnished at the unit price bid for the work.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The CONTRACTOR shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the ENGINEER.

INDEX OF SHEETS

- S-1 General Plan & Elevation
- S-2 General Notes, Bill of Material & Index of Sheets
- S-3 Removal Plan
- S-4 Stage Construction Details
- S-5 Temporary Barrier
- S-6 Top of Deck Elevations 1
- S-7 Top of Deck Elevations 2
- S-8 Top of South Approach Slab Elevations
- S-9 Top of North Approach Slab Elevations
- S-10 Deck Plan and Cross Section
- S-11 Superstructure Details 1
- S-12 Diaphragm Details
- S-13 Bridge Approach Slab Details 1
- S-14 Bridge Approach Slab Details 2
- S-15 Bicycle Railing
- S-16 Framing Plan and Beam Elevation
- S-17 Beam Details
- S-18 Bearing Details
- S-19 West Abutment
- S-20 East Abutment
- S-21 Abutment Details
- S-22 Wingwall Details 1
- S-23 Wingwall Details 2
- S-24 Retaining Walls
- S-25 Bar Splicer and Mechanical Splicer Details
- S-26 Metal Shell Pile Details
- S-27 Soil Boring Logs 1
- S-28 Soil Boring Logs 2



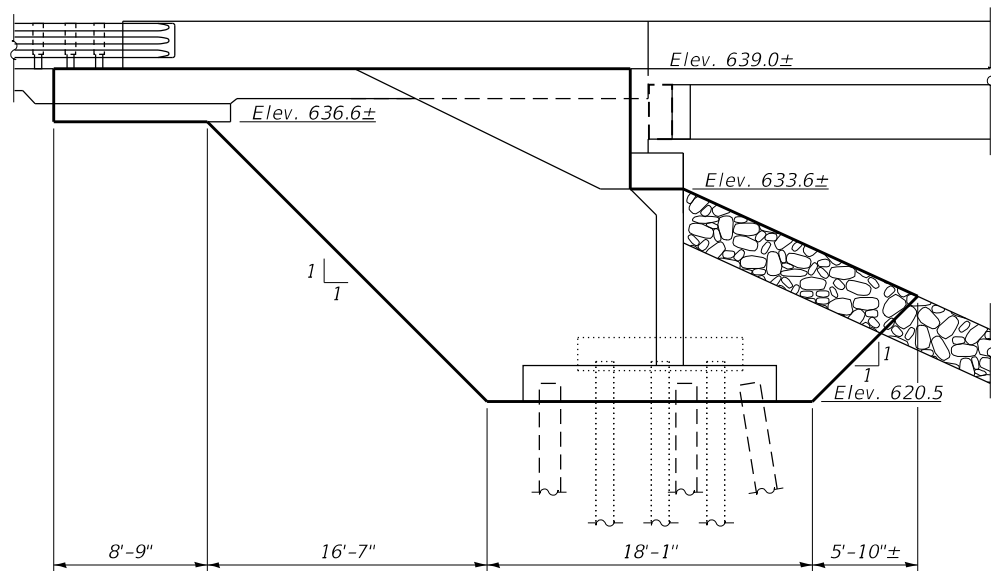
RIPRAP DETAIL

SKOKIE DITCH
 BUILT 202_ BY
 CITY OF HIGHLAND PARK
 SECTION 15-00125-00-PV
 STA. 29+44.63
 STR. NO. 049-6585
 LOADING HL93

NAME PLATE
 See Std. 515001

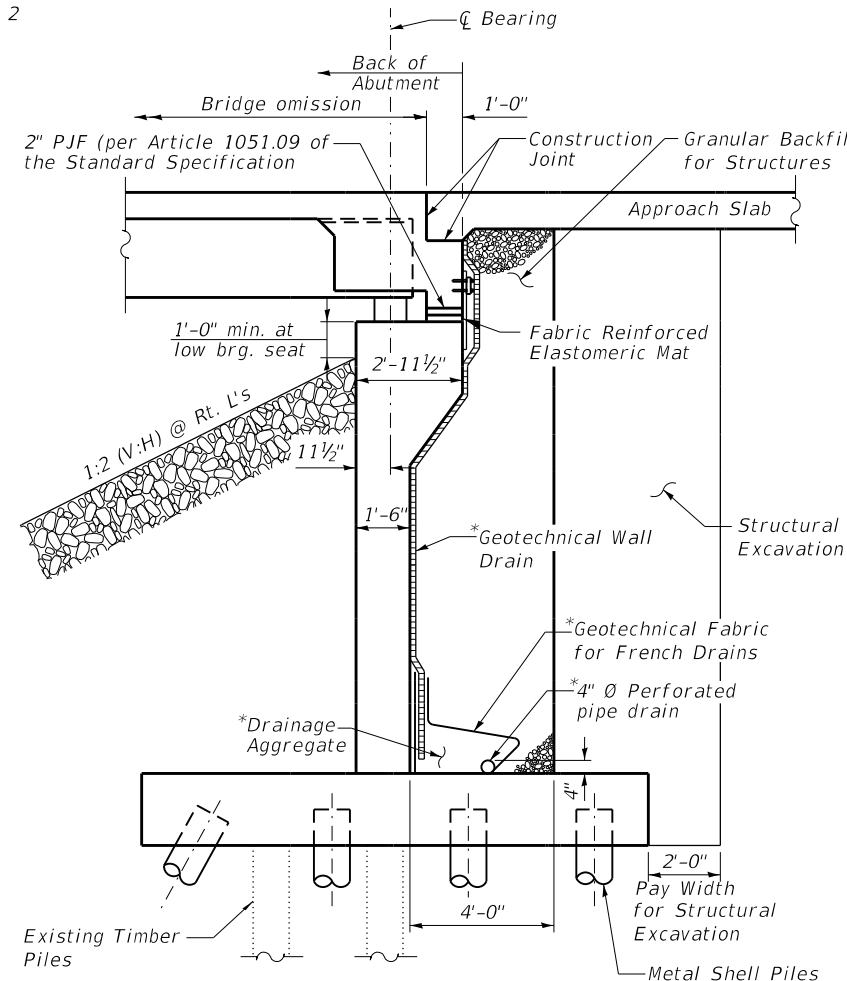
TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	SP	SUB	SUPER	TOTAL
Stone Riprap, Class A7	Sq Yd		766		766
Filter Fabric	Sq Yd		766		766
Removal Of Existing Structures	Each		0.5	0.5	1
Protective Shield	Sq Yd			296	296
Structure Excavation	Cu Yd		1,322		1,322
Cofferdam (Type 2) (Location - 1)	Each		2		2
Concrete Structures	Cu Yd		438.5		439
Concrete Superstructure	Cu Yd		45.8	132.2	178
Bridge Deck Grooving	Sq Yd			364	364
Form Liner Textured Surface	Sq Ft			1,286	1,286
Protective Coat	Sq Yd			589	589
Concrete Superstructure (Approach Slab)	Cu Yd			121	121
Furnishing And Erecting Structural Steel	L Sum			1	1
Stud Shear Connectors	Each			1,536	1,536
Reinforcement Bars, Epoxy Coated	Pound		76,070	86,630	162,700
Bar Splicers	Each		196	470	666
Bicycle Railing	Foot			102	102
Parapet Railing	Foot			126	126
Furnishing Metal Shell Piles 12" X 0.250"	Foot		4,390		4,390
Driving Piles	Foot		4,390		4,390
Test Pile Metal Shells	Each		4		4
Name Plates	Each			1	1
Elastomeric Bearing Assembly, Type I	Each			8	8
Anchor Bolts, 1"	Each			16	16
Geocomposite Wall Drain	Sq Yd		230		230
Staining Concrete Structures	Sq Ft	Y		1,286	1,286
Granular Backfill For Structures	Cu Yd	Y	263		263
Pipe Underdrains For Structures 4"	Foot	Y	201		201
Temporary Soil Retention System	Sq Ft	Y	910		910



TEMPORARY SOIL RETENTION SYSTEM

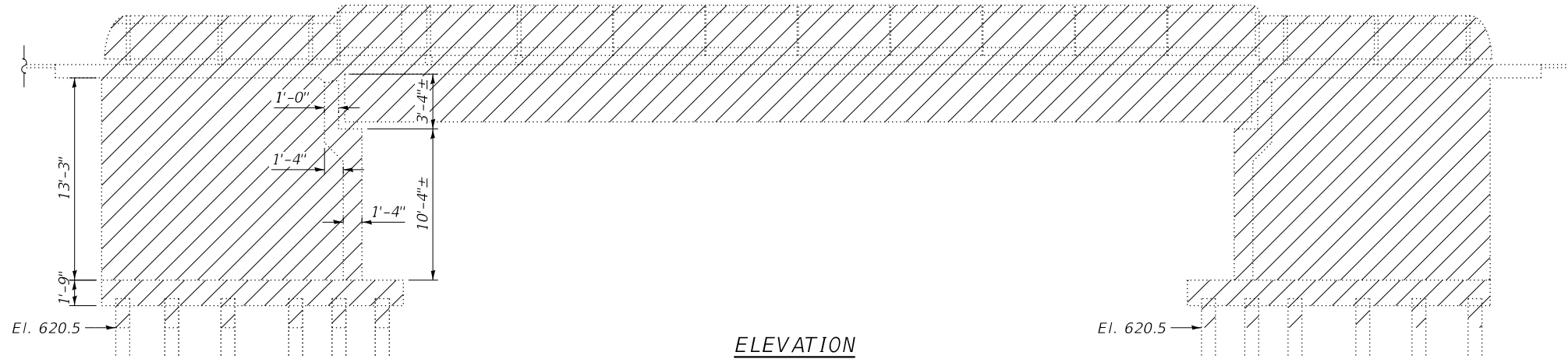
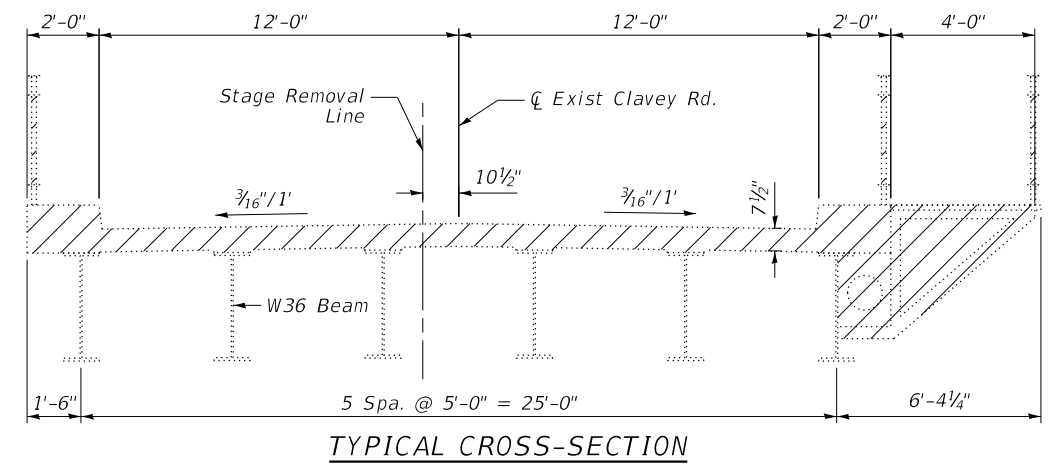
West Abutment shown looking North
 East Abutment Similar



TYPICAL SECTION THRU SEMI-INTEGRAL ABUTMENT

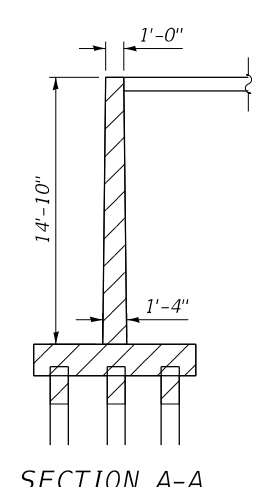
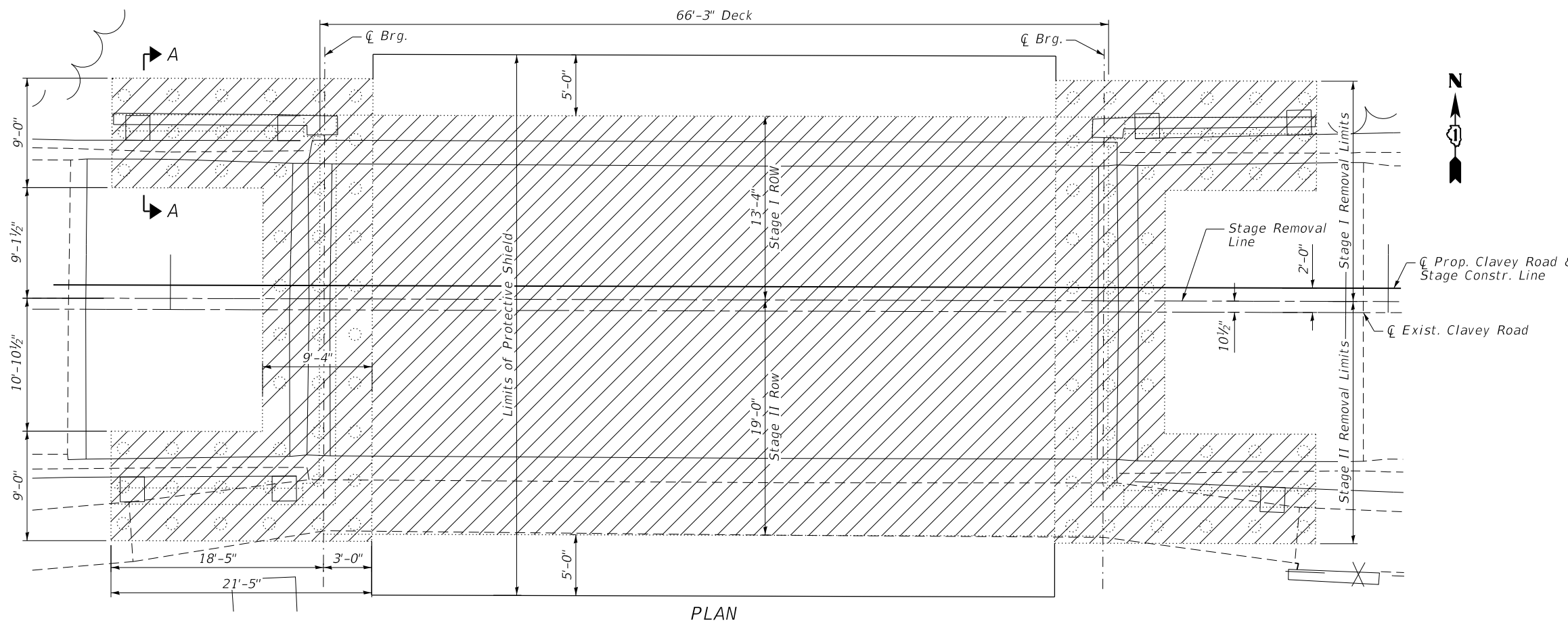
* Included in Pipe Underdrains for Structure, 4"

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BILL OF MATERIAL

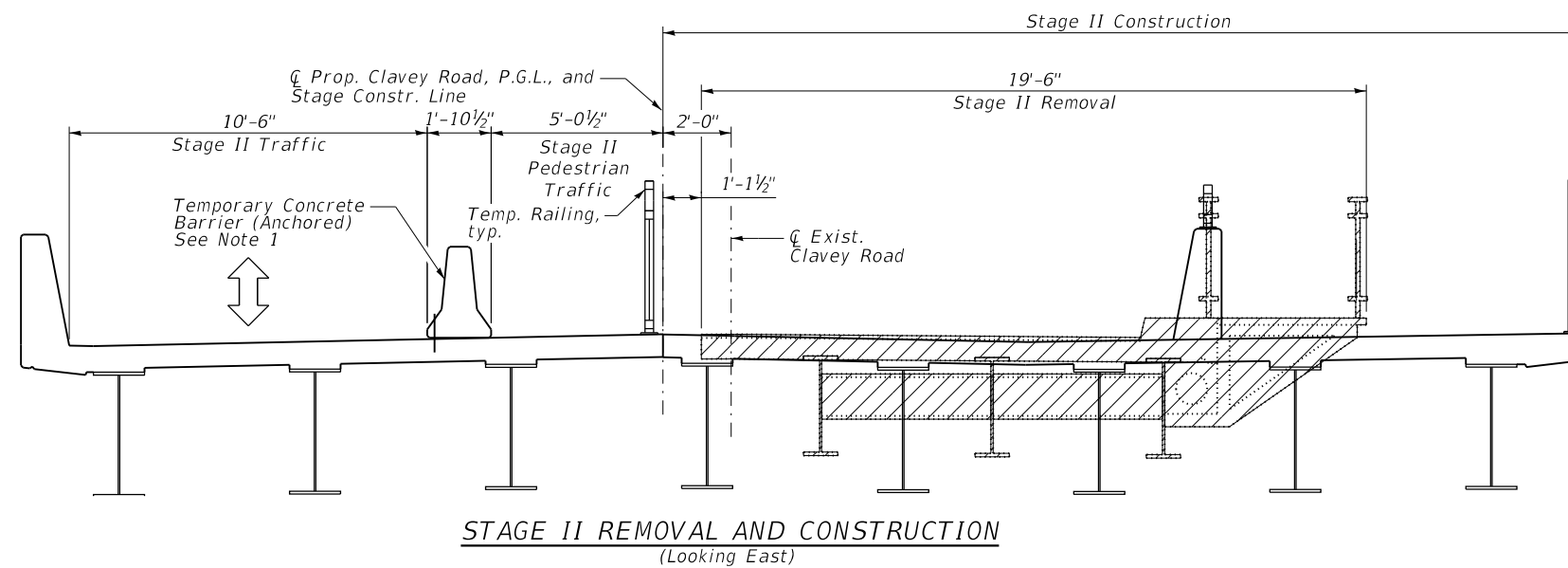
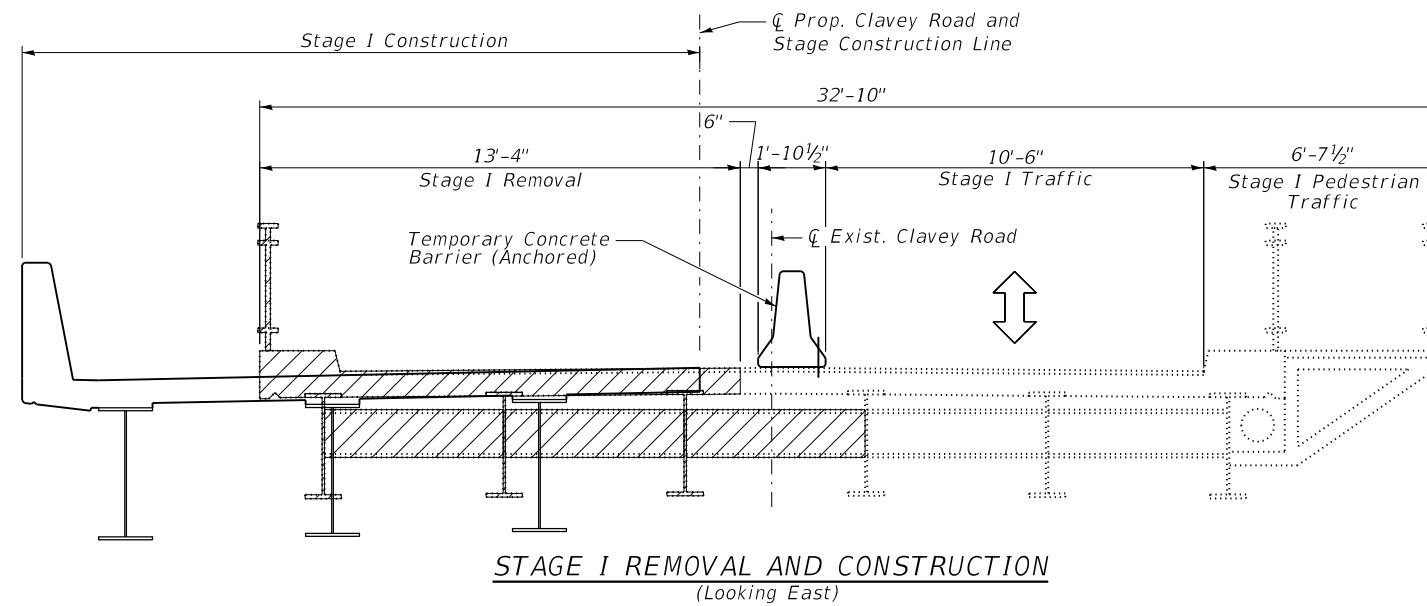
ITEM	UNIT	SUB	SUPER
Removal of Existing Structures	Each	0.5	0.5
Protective Shield	Sq Yd		296



LEGEND

Structure Removal

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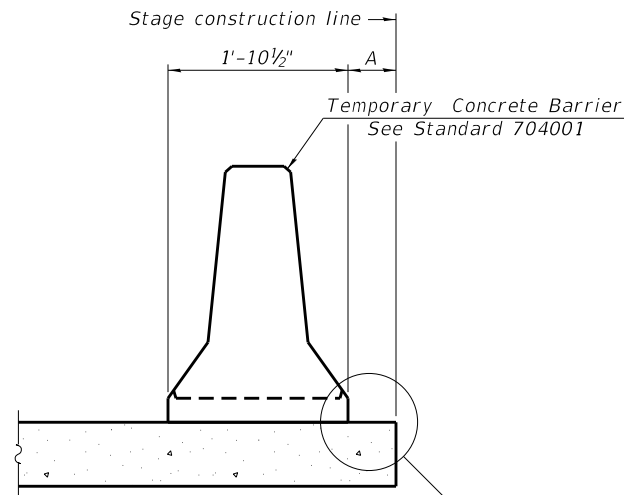
NOTE:
1. The CONTRACTOR shall install sleeves to accommodate 1" Ø restraining pins as shown on sheet S-5 during placement of the deck. Cost included with concrete superstructure.

LEGEND
 Existing Structure Removal

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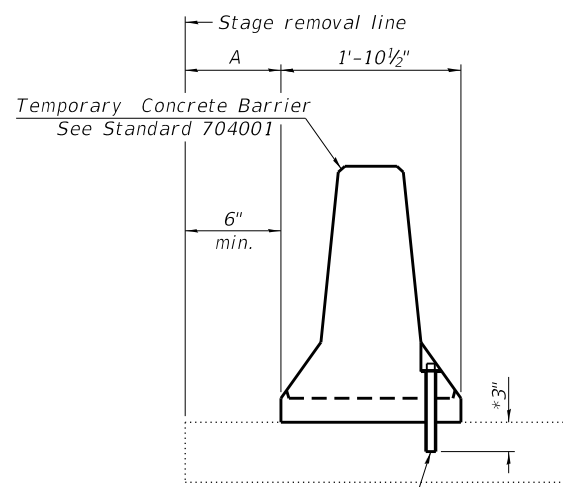
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	99
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

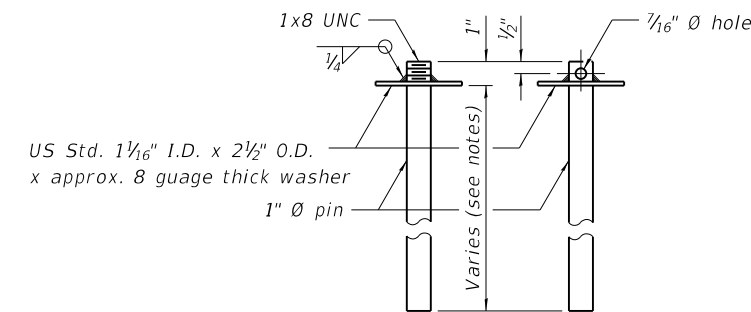
NEW SLAB OR NEW DECK BEAM



Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

SECTIONS THRU SLAB OR DECK BEAM



RESTRAINING PIN

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier. A retainer assembly shall be located at the approximate $\frac{1}{2}$ of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1 1/2', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

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R-27 2-17-2017



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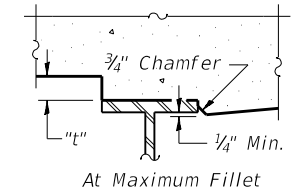
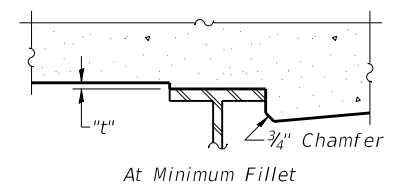
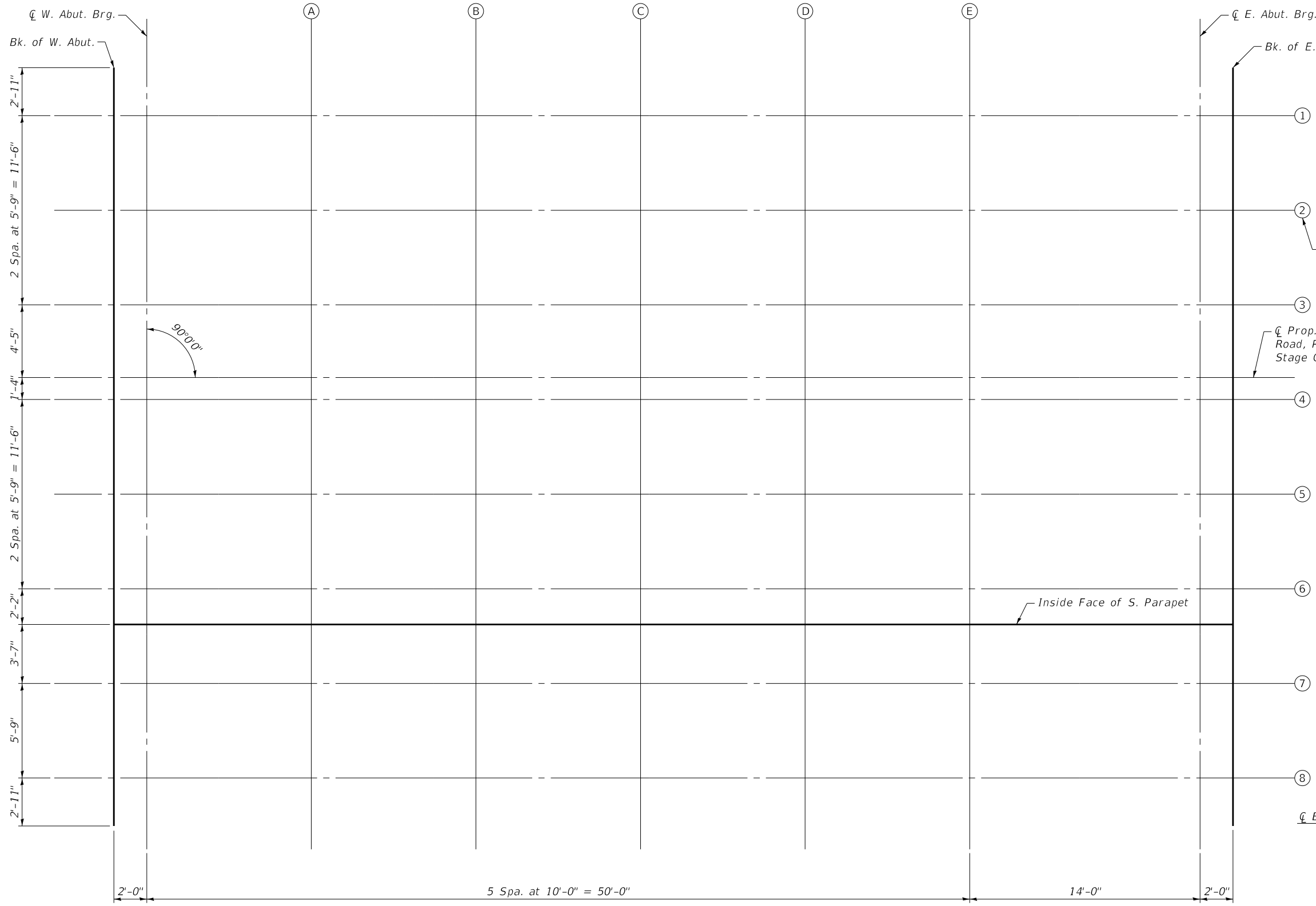
CITY OF HIGHLAND PARK

TEMPORARY BARRIER
STRUCTURE NO. 049-6585

SHEET S-5 OF S-28 SHEETS

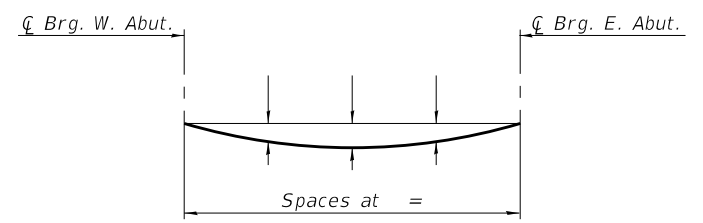
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	100
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-06-Top of Deck Elevation1.dgn



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheet S-6, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete, excluding beams).

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

PLAN



USER NAME =	Structural	DESIGNED -	REVISIED -
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		CHECKED -	REVISIED -

CITY OF HIGHLAND PARK

TOP OF DECK ELEVATIONS 1
STRUCTURE NO. 049-6585

SHEET S-6 OF S-28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	101
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Local Deflection
Bk. W. Abut	29+10.63	-15.92	638.82	638.82
CL W. Abut.	29+12.63	-15.92	638.84	638.84
A	29+22.63	-15.92	638.91	638.91
B	29+32.63	-15.92	638.95	638.95
C	29+42.63	-15.92	638.95	638.95
D	29+52.63	-15.92	638.93	638.93
E	29+62.63	-15.92	638.88	638.88
CL. E. Abut.	29+76.63	-15.92	638.75	638.75
Bk. E. Abut.	29+78.63	-15.92	638.73	638.73

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Local Deflection
Bk. W. Abut	29+10.63	-10.17	638.91	638.91
CL W. Abut.	29+12.63	-10.17	638.93	638.93
A	29+22.63	-10.17	639.00	639.00
B	29+32.63	-10.17	639.04	639.04
C	29+42.63	-10.17	639.04	639.04
D	29+52.63	-10.17	639.02	639.02
E	29+62.63	-10.17	638.97	638.97
CL. E. Abut.	29+76.63	-10.17	638.84	638.84
Bk. E. Abut.	29+78.63	-10.17	638.82	638.82

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Local Deflection
Bk. W. Abut	29+10.63	-4.42	639.00	639.00
CL W. Abut.	29+12.63	-4.42	639.02	639.02
A	29+22.63	-4.42	639.09	639.09
B	29+32.63	-4.42	639.13	639.13
C	29+42.63	-4.42	639.13	639.13
D	29+52.63	-4.42	639.11	639.11
E	29+62.63	-4.42	639.06	639.06
CL. E. Abut.	29+76.63	-4.42	638.93	638.93
Bk. E. Abut.	29+78.63	-4.42	638.91	638.91

CL. PROP. CLAVEY ROAD, P.G.L. AND STAGE CONSTR. LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Local Deflection
Bk. W. Abut	29+10.63	0.00	639.07	639.07
CL W. Abut.	29+12.63	0.00	639.09	639.09
A	29+22.63	0.00	639.16	639.16
B	29+32.63	0.00	639.19	639.19
C	29+42.63	0.00	639.20	639.20
D	29+52.63	0.00	639.18	639.18
E	29+62.63	0.00	639.12	639.12
CL. E. Abut.	29+76.63	0.00	639.00	639.00
Bk. E. Abut.	29+78.63	0.00	638.97	638.97

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Local Deflection
Bk. W. Abut	29+10.63	1.33	639.05	639.05
CL W. Abut.	29+12.63	1.33	639.07	639.07
A	29+22.63	1.33	639.14	639.14
B	29+32.63	1.33	639.17	639.17
C	29+42.63	1.33	639.18	639.18
D	29+52.63	1.33	639.16	639.16
E	29+62.63	1.33	639.10	639.10
CL. E. Abut.	29+76.63	1.33	638.98	638.98
Bk. E. Abut.	29+78.63	1.33	638.95	638.95

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Local Deflection
Bk. W. Abut	29+10.63	7.08	638.96	638.96
CL W. Abut.	29+12.63	7.08	638.98	638.98
A	29+22.63	7.08	639.05	639.05
B	29+32.63	7.08	639.08	639.08
C	29+42.63	7.08	639.09	639.09
D	29+52.63	7.08	639.07	639.07
E	29+62.63	7.08	639.01	639.01
CL. E. Abut.	29+76.63	7.08	638.89	638.89
Bk. E. Abut.	29+78.63	7.08	638.86	638.86

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Local Deflection
Bk. W. Abut	29+10.63	12.83	638.87	638.87
CL W. Abut.	29+12.63	12.83	638.89	638.89
A	29+22.63	12.83	638.96	638.96
B	29+32.63	12.83	638.99	638.99
C	29+42.63	12.83	639.00	639.00
D	29+52.63	12.83	638.98	638.98
E	29+62.63	12.83	638.92	638.92
CL. E. Abut.	29+76.63	12.83	638.80	638.80
Bk. E. Abut.	29+78.63	12.83	638.77	638.77

INSIDE FACE OF PARAPET

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Local Deflection
Bk. W. Abut	29+10.63	15.00	638.84	638.84
CL W. Abut.	29+12.63	15.00	638.85	638.85
A	29+22.63	15.00	638.92	638.92
B	29+32.63	15.00	638.96	638.96
C	29+42.63	15.00	638.97	638.97
D	29+52.63	15.00	638.94	638.94
E	29+62.63	15.00	638.89	638.89
CL. E. Abut.	29+76.63	15.00	638.76	638.76
Bk. E. Abut.	29+78.63	15.00	638.74	638.74

GIRDER 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Local Deflection
Bk. W. Abut	29+10.63	18.58	638.89	638.89
CL W. Abut.	29+12.63	18.58	638.91	638.91
A	29+22.63	18.58	638.98	638.98
B	29+32.63	18.58	639.02	639.02
C	29+42.63	18.58	639.02	639.02
D	29+52.63	18.58	639.00	639.00
E	29+62.63	18.58	638.95	638.95
CL. E. Abut.	29+76.63	18.58	638.82	638.82
Bk. E. Abut.	29+78.63	18.58	638.80	638.80

GIRDER 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Local Deflection
Bk. W. Abut	29+10.63	24.33	638.98	638.98
CL W. Abut.	29+12.63	24.33	639.00	639.00
A	29+22.63	24.33	639.07	639.07
B	29+32.63	24.33	639.11	639.11
C	29+42.63	24.33	639.11	639.11
D	29+52.63	24.33	639.09	639.09
E	29+62.63	24.33	639.04	639.04
CL. E. Abut.	29+76.63	24.33	638.91	638.91
Bk. E. Abut.	29+78.63	24.33	638.89	638.89

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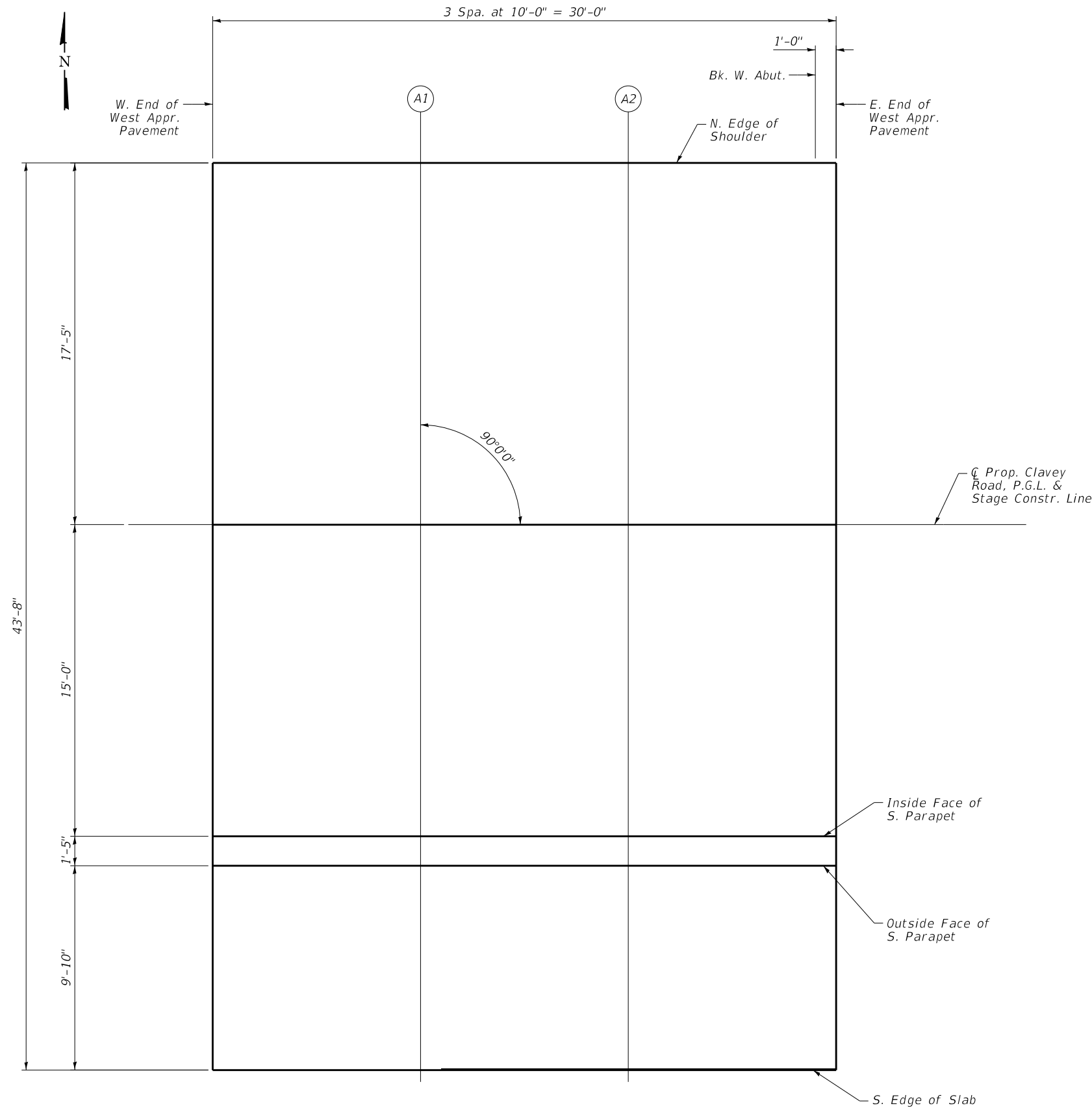
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CITY OF HIGHLAND PARK

TOP OF DECK ELEVATIONS 2
STRUCTURE NO. 049-6585

SHEET S-7 OF S-28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	102
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



PLAN

N. EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	28+81.63	-17.42	638.56
A1	28+91.63	-17.42	638.57
A2	29+01.63	-17.42	638.71
E. End of West Appr. Pavement	29+11.63	-17.42	638.81

CL PROP. CLAVEY ROAD, P.G.L. & STAGE CONSTR. LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	28+81.63	0.00	638.83
A1	28+91.63	0.00	638.84
A2	29+01.63	0.00	638.98
E. End of West Appr. Pavement	29+11.63	0.00	639.08

INSIDE FACE OF S. PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	28+81.63	15.00	638.59
A1	28+91.63	15.00	638.61
A2	29+01.63	15.00	638.74
E. End of West Appr. Pavement	29+11.63	15.00	638.85

OUTSIDE FACE OF S. PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	28+81.63	16.42	638.62
A1	28+91.63	16.42	638.63
A2	29+01.63	16.42	638.77
E. End of West Appr. Pavement	29+11.63	16.42	638.87

S. EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr. Pavement	28+81.63	26.25	638.77
A1	28+91.63	26.25	638.79
A2	29+01.63	26.25	638.92
E. End of West Appr. Pavement	29+11.63	26.25	639.02

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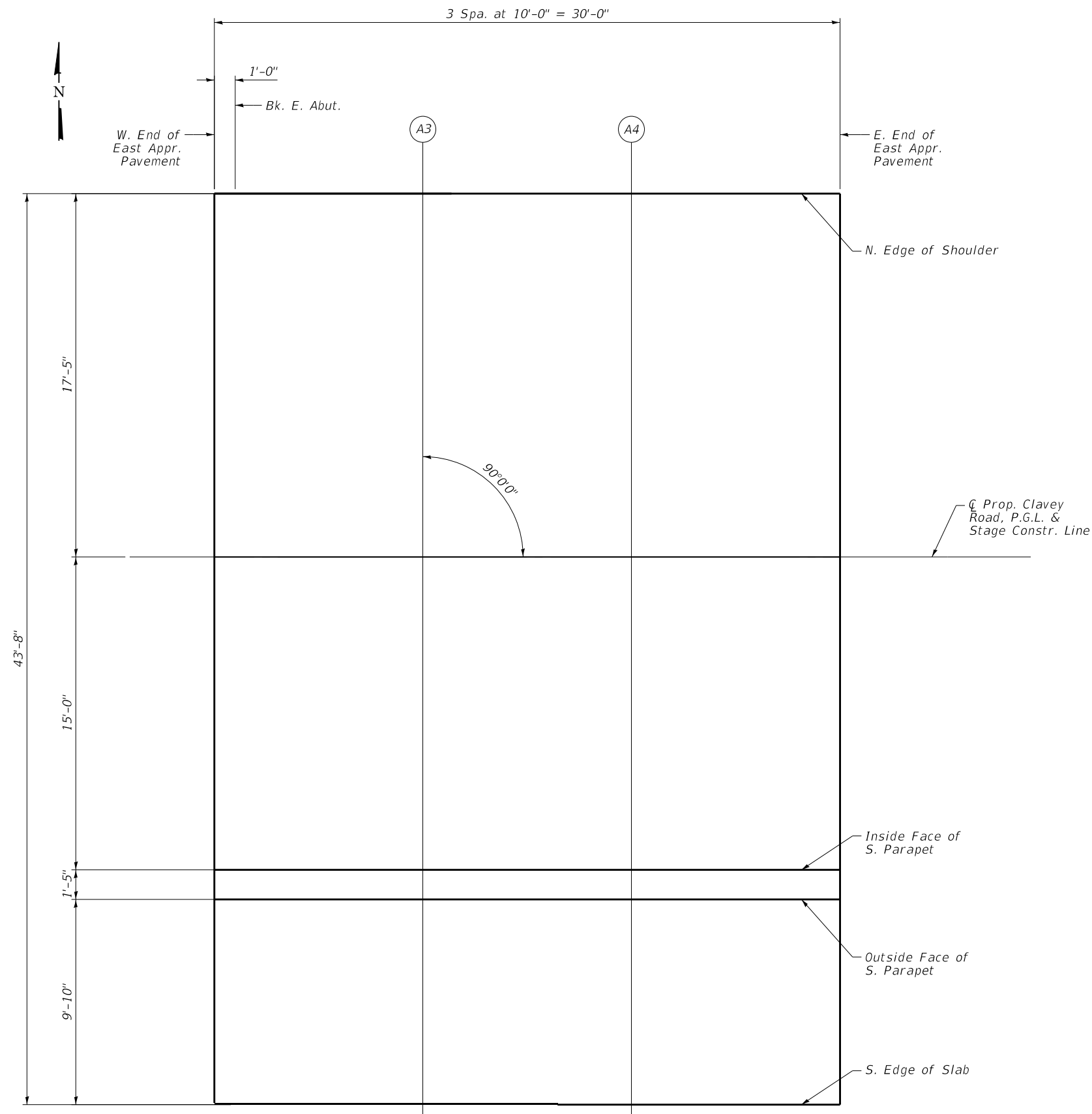
CITY OF HIGHLAND PARK

TOP OF APPROACH SLAB ELEVATIONS 1
STRUCTURE NO. 049-6585

SHEET S-8 OF S-28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	103
CONTRACT NO.				

ILLINOIS FED. AID PROJECT



PLAN

N. EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr. Pavement	29+77.63	-17.42	638.71
A3	29+87.63	-17.42	638.58
A4	29+97.63	-17.42	638.42
E. End of East Appr. Pavement	30+07.63	-17.42	638.23

CL PROP. CLAVEY ROAD, P.G.L. & STAGE CONSTR. LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr. Pavement	29+77.63	0.00	638.99
A3	29+87.63	0.00	638.86
A4	29+97.63	0.00	638.69
E. End of East Appr. Pavement	30+07.63	0.00	638.50

INSIDE FACE OF S. PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr. Pavement	29+77.63	15.00	638.75
A3	29+87.63	15.00	638.62
A4	29+97.63	15.00	638.46
E. End of East Appr. Pavement	30+07.63	15.00	638.27

OUTSIDE FACE OF S. PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr. Pavement	29+77.63	16.42	638.77
A3	29+87.63	16.42	638.64
A4	29+97.63	16.42	638.48
E. End of East Appr. Pavement	30+07.63	16.42	638.29

S. EDGE OF SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr. Pavement	29+77.63	26.25	638.93
A3	29+87.63	26.25	638.80
A4	29+97.63	26.25	638.64
E. End of East Appr. Pavement	30+07.63	26.25	638.45

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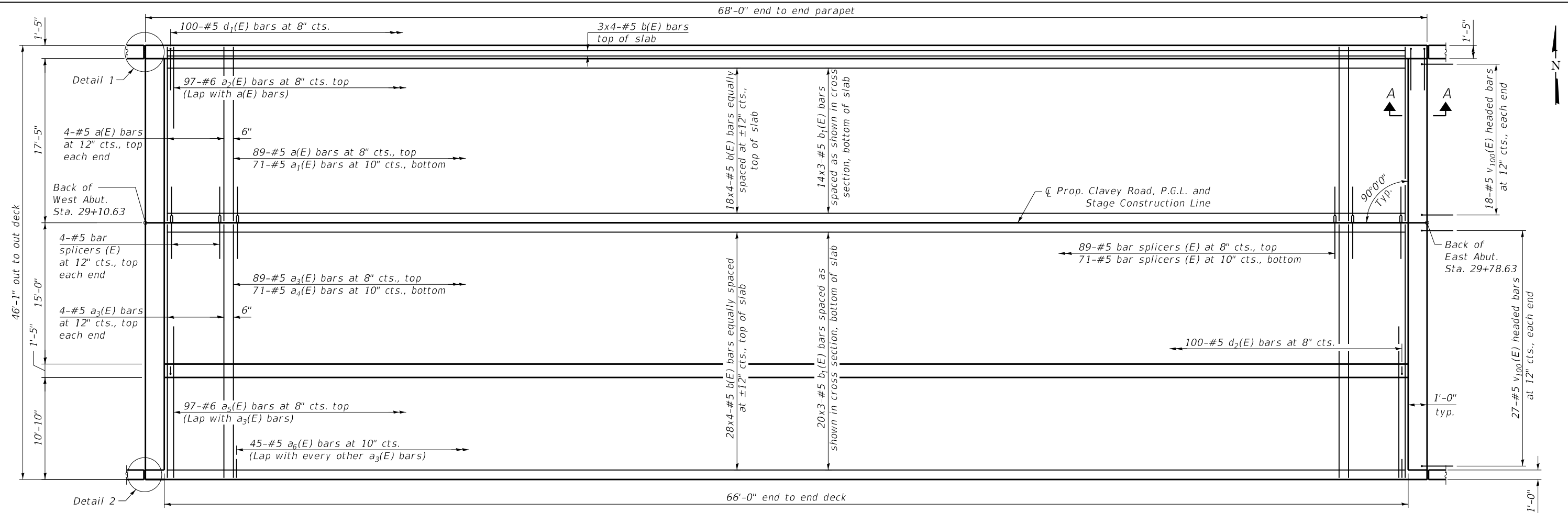
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CITY OF HIGHLAND PARK

TOP OF APPROACH SLAB ELEVATIONS 2
STRUCTURE NO. 049-6585

SHEET S-9 OF S-28 SHEETS

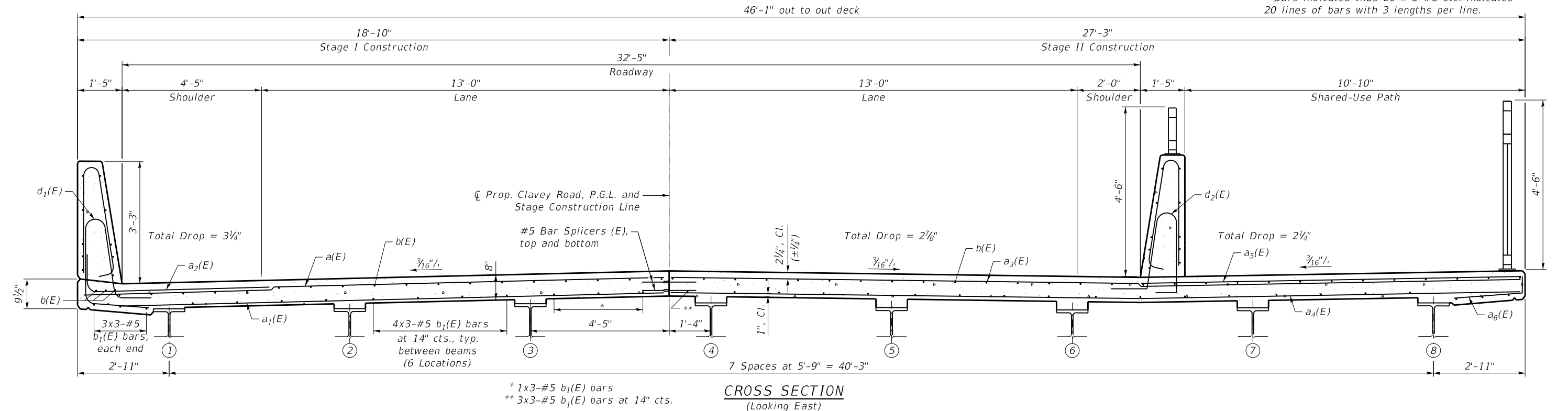
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



MINIMUM BAR LAP
 #5 bar = 3'-6"
 #6 bar = 3'-7"

PLAN

Notes:
 See sheet S-11 of S-28 for superstructure details and Bill of Material.
 See sheet S-12 of S-28 for Section A-A.
 See sheet S-12 of S-28 for Detail 1 and 2.
 Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
 (Looking East)

* 1x3-#5 b1(E) bars
 ** 3x3-#5 b1(E) bars at 14" cts.



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CITY OF HIGHLAND PARK

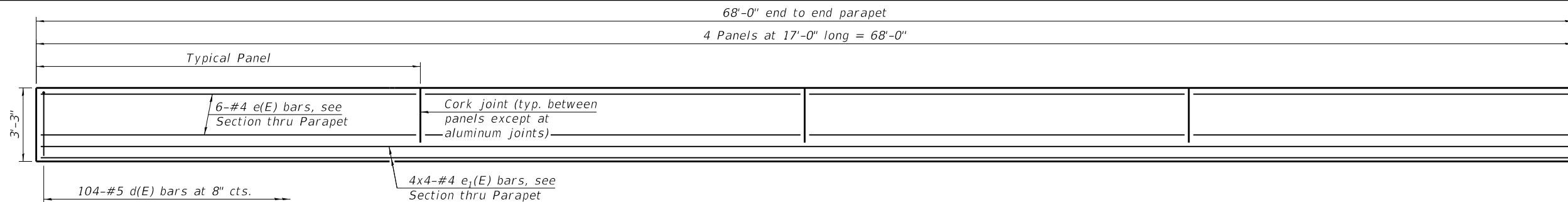
DECK PLAN AND CROSS SECTION
 STRUCTURE NO. 049-6585

SHEET S-10 OF S-28 SHEETS

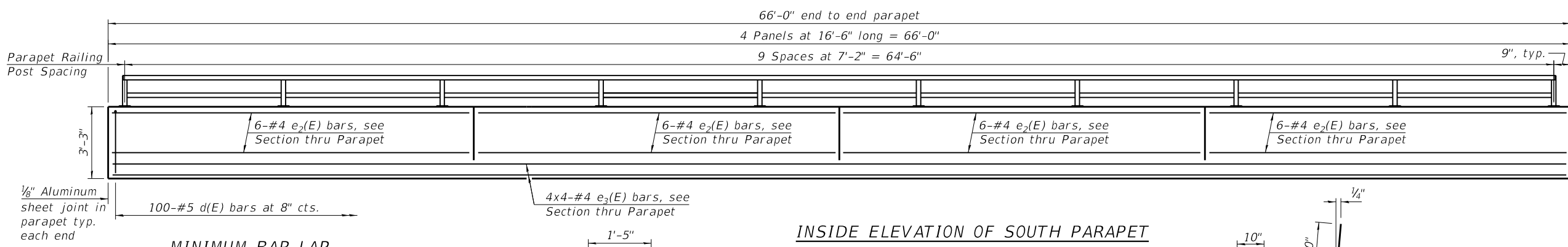
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1265	15-00125-00-PV	LAKE	153	105
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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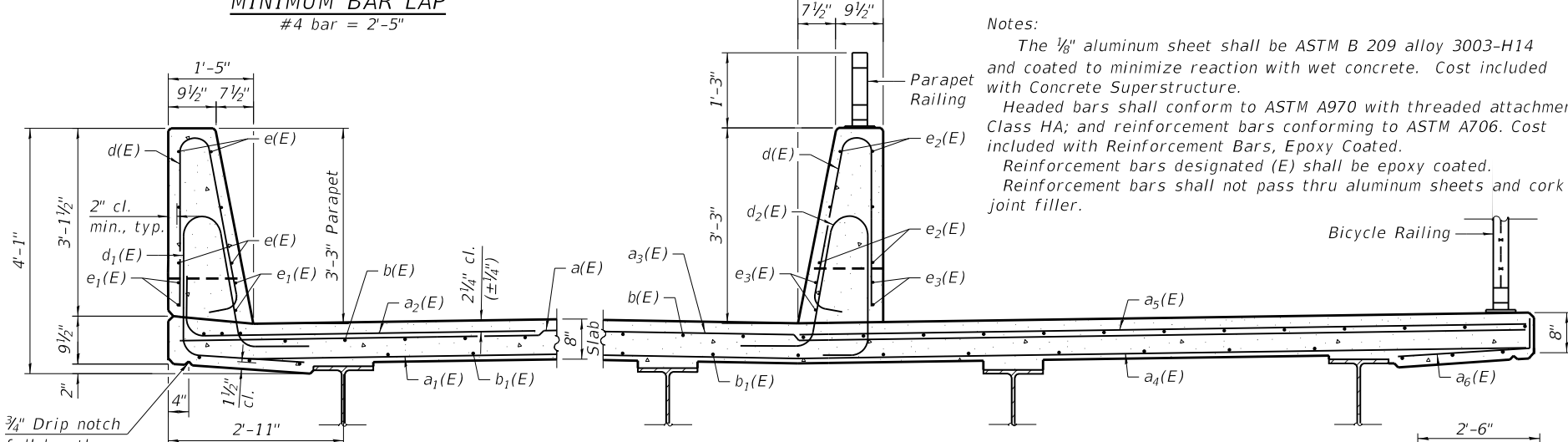
INSIDE ELEVATION OF NORTH PARAPET



INSIDE ELEVATION OF SOUTH PARAPET

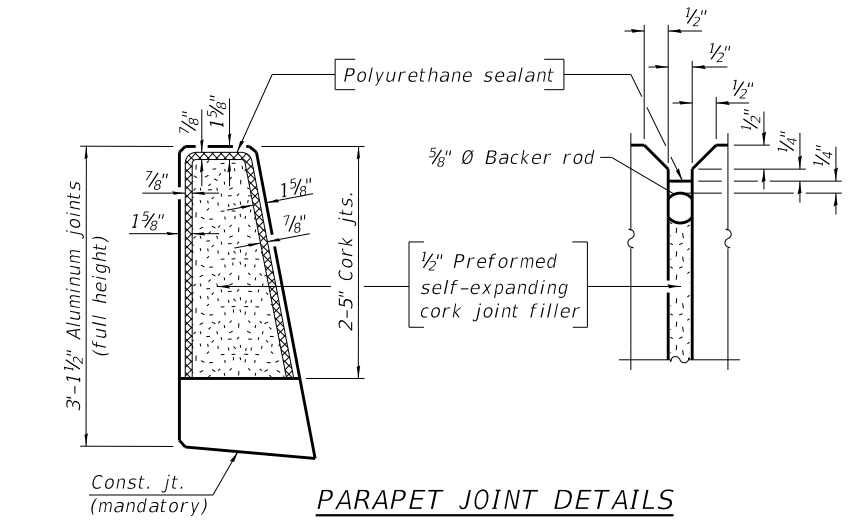
MINIMUM BAR LAP
#4 bar = 2'-5"

Notes:
The 1/8" aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
Reinforcement bars designated (E) shall be epoxy coated.
Reinforcement bars shall not pass thru aluminum sheets and cork joint filler.

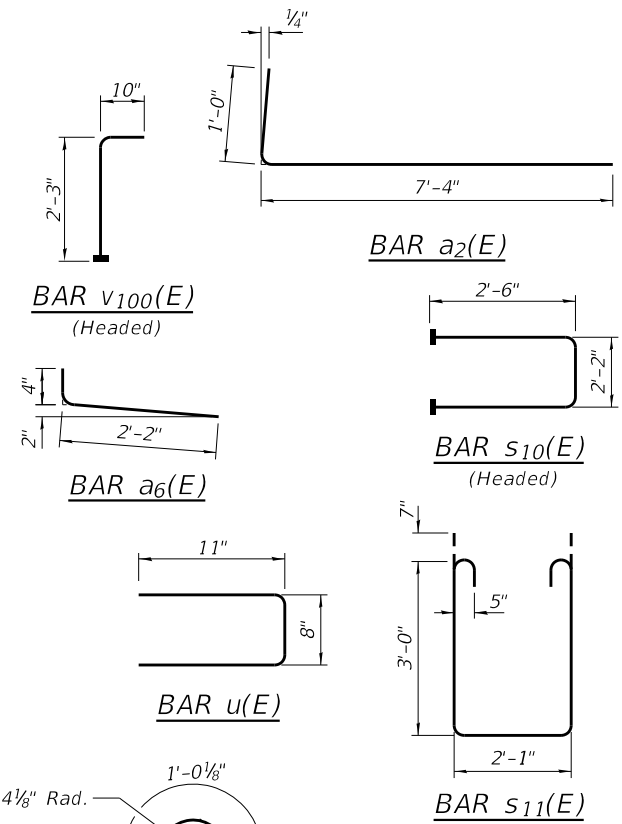
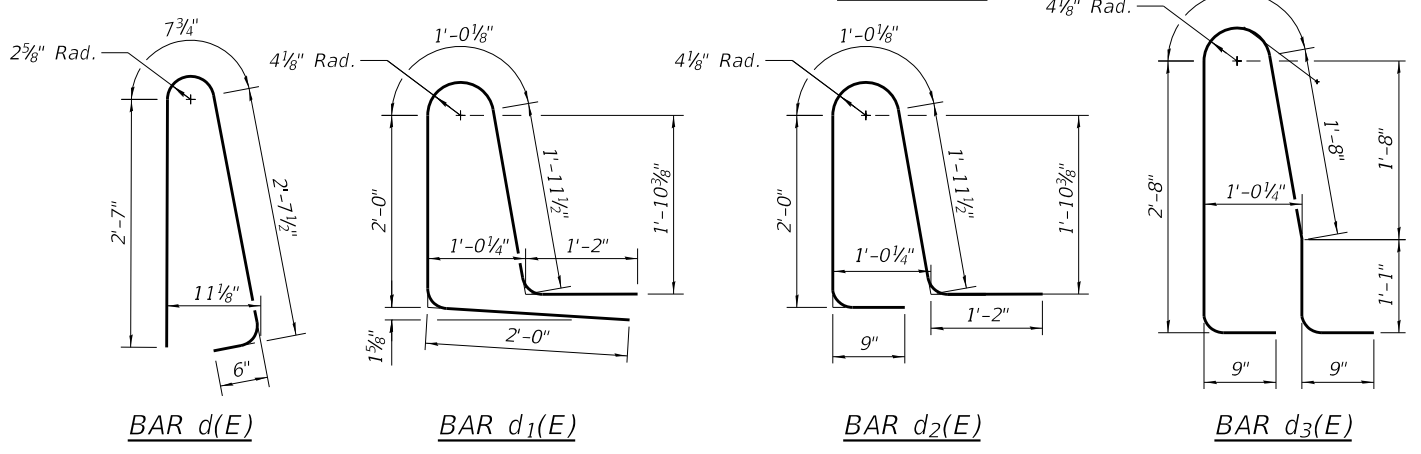


SECTION THRU NORTH PARAPET

SECTION THRU SOUTH PARAPET AND SHARED-USE PATH



PARAPET JOINT DETAILS

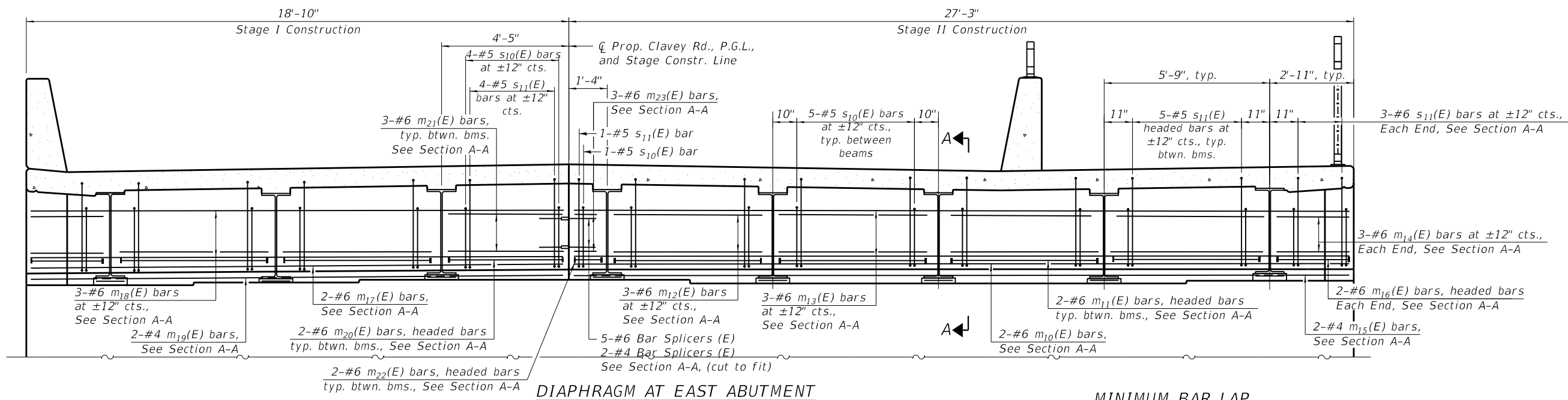


SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	89	#5	17'-1"	—
a1(E)	71	#5	17'-1"	—
a2(E)	97	#6	8'-4"	┌
a3(E)	89	#5	26'-11"	—
a4(E)	71	#5	26'-11"	—
a5(E)	97	#6	17'-0"	—
a6(E)	45	#5	2'-8"	┌
b(E)	196	#5	19'-1"	—
b1(E)	102	#5	24'-3"	—
d(E)	204	#5	6'-5"	┌
d1(E)	100	#5	8'-2"	┌
d2(E)	100	#5	6'-11"	┌
d3(E)	4	#5	6'-6"	┌
e(E)	24	#4	16'-8"	—
e1(E)	16	#4	18'-9"	—
e2(E)	24	#4	16'-2"	—
e3(E)	16	#4	18'-3"	—
m10(E)	4	#6	26'-11"	—
m11(E)	12	#6	5'-3"	—
m12(E)	18	#6	5'-3"	—
m13(E)	6	#6	26'-11"	—
m14(E)	12	#6	2'-6"	—
m15(E)	4	#6	26'-11"	—
m16(E)	8	#6	2'-6"	—
m17(E)	4	#6	18'-6"	—
m18(E)	6	#6	18'-6"	—
m19(E)	4	#4	18'-6"	—
m20(E)	4	#6	3'-11"	—
m21(E)	6	#6	3'-11"	—
m22(E)	4	#6	1'-0"	—
m23(E)	6	#6	1'-0"	—
s10(E)	41	#5	7'-2"	┌
s11(E)	41	#5	9'-3"	┌
u(E)	4	#5	2'-6"	┌
u11(E)	41	#5	5'-8"	┌
v100(E)	45	#5	3'-1"	┌

	Cu Yd	Sq Yd	Pound	Each
Concrete Superstructure		124.4		
Bridge Deck Grooving		190		
Protective Coat		280		
Reinforcement Bars, Epoxy Coated			23,910	
Bar Splicers				182

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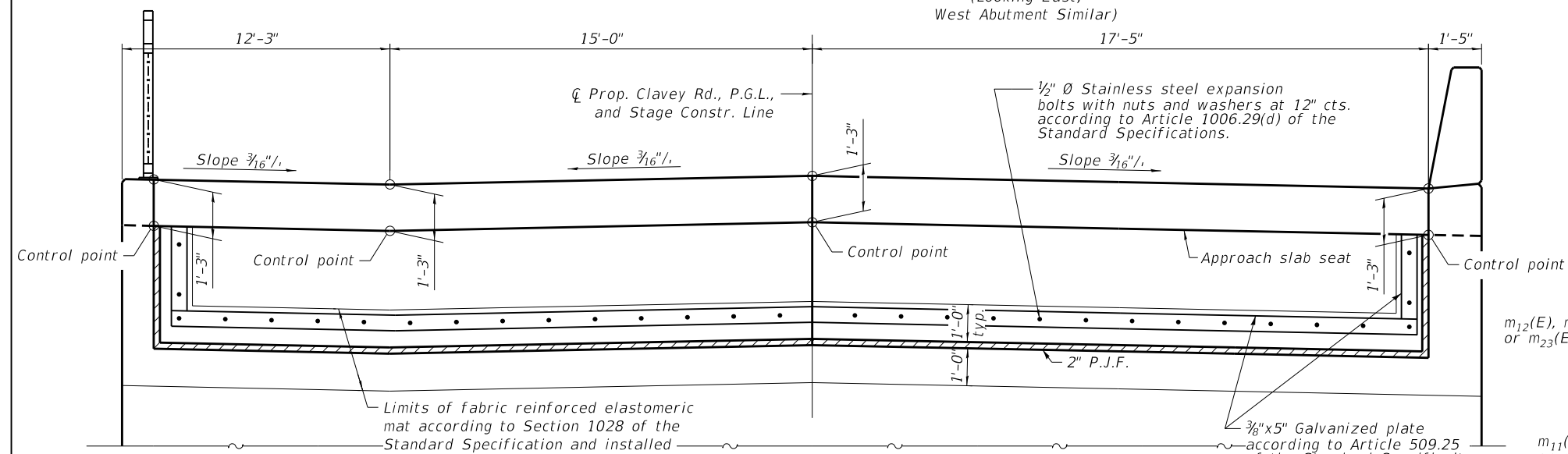


DIAPHRAGM AT EAST ABUTMENT

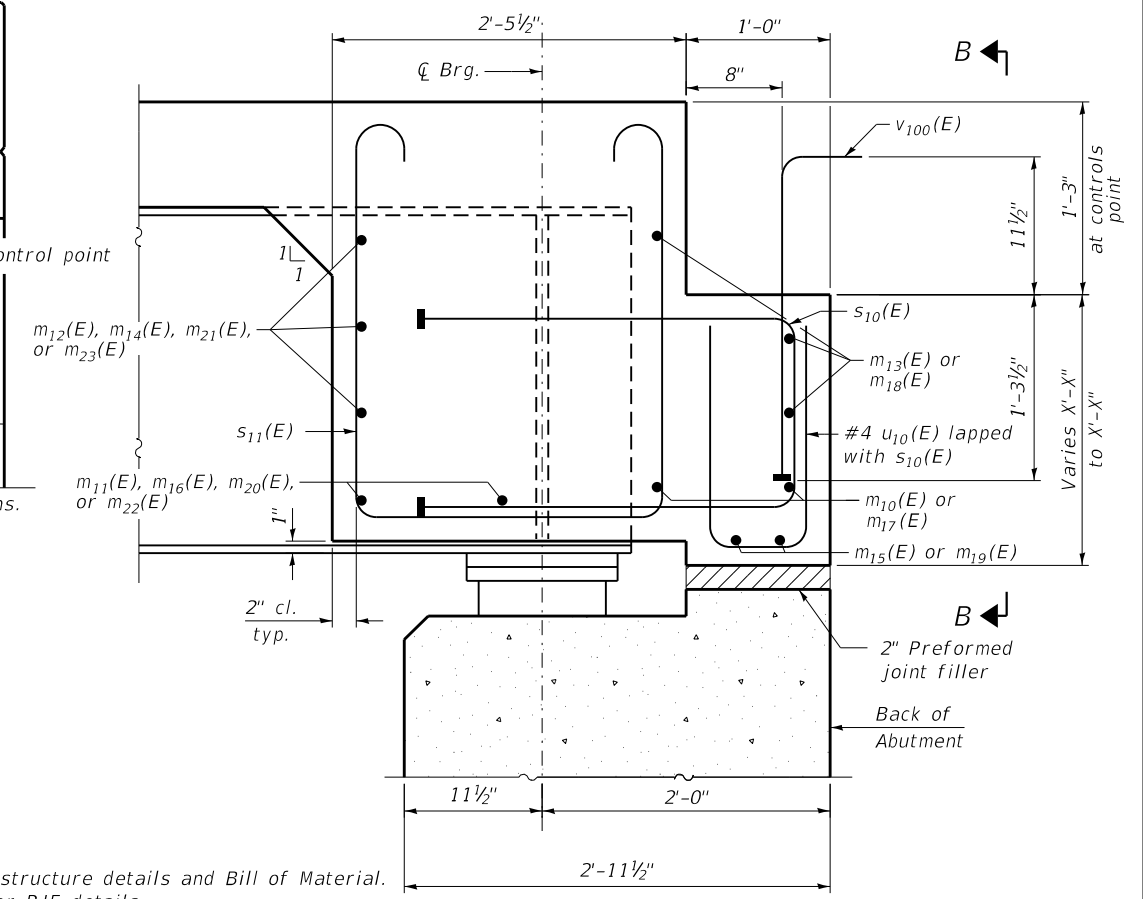
(Looking East,
West Abutment Similar)

MINIMUM BAR LAP

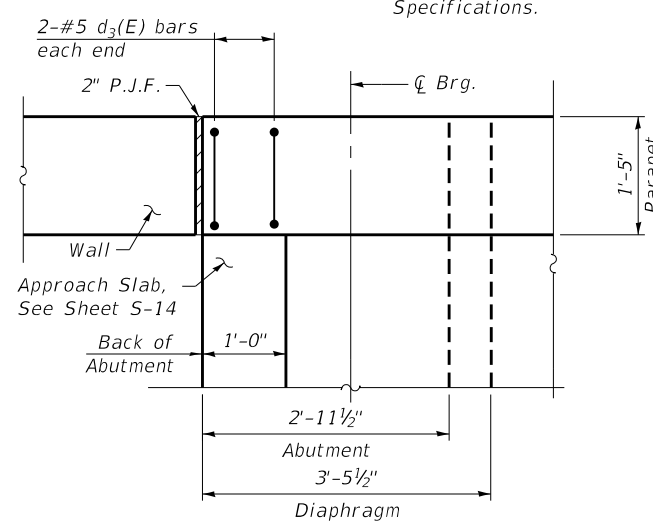
#4 bar = 2'-0"
#6 bar = 4'-0"



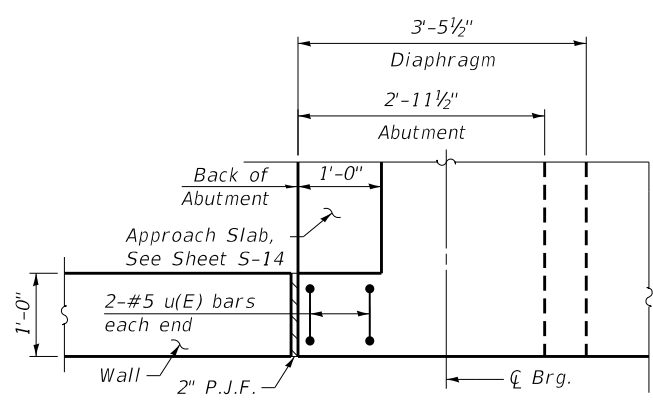
VIEW B-B
(Looking at back of abutment)



SECTION A-A



Detail 1



Detail 2

Notes:
See sheet S-11 of S-28 for superstructure details and Bill of Material.
See sheet S-19 & S-20 of S-28 for PJF details.
The approach slab seat shall have a constant slope determined from the control points shown.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
Cost of fabric reinforced elastomeric mat, galvanized plate, stainless steel expansion bolts with nuts and washers and installation are included in the cost of Concrete Superstructure.

FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-12-Diaphragm_Details.dgn

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8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME =	Structural	DESIGNED -	REVISIONS -
CHECKED -		CHECKED -	REVISIONS -
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PLOT DATE =	02/26/20	CHECKED -	REVISIONS -

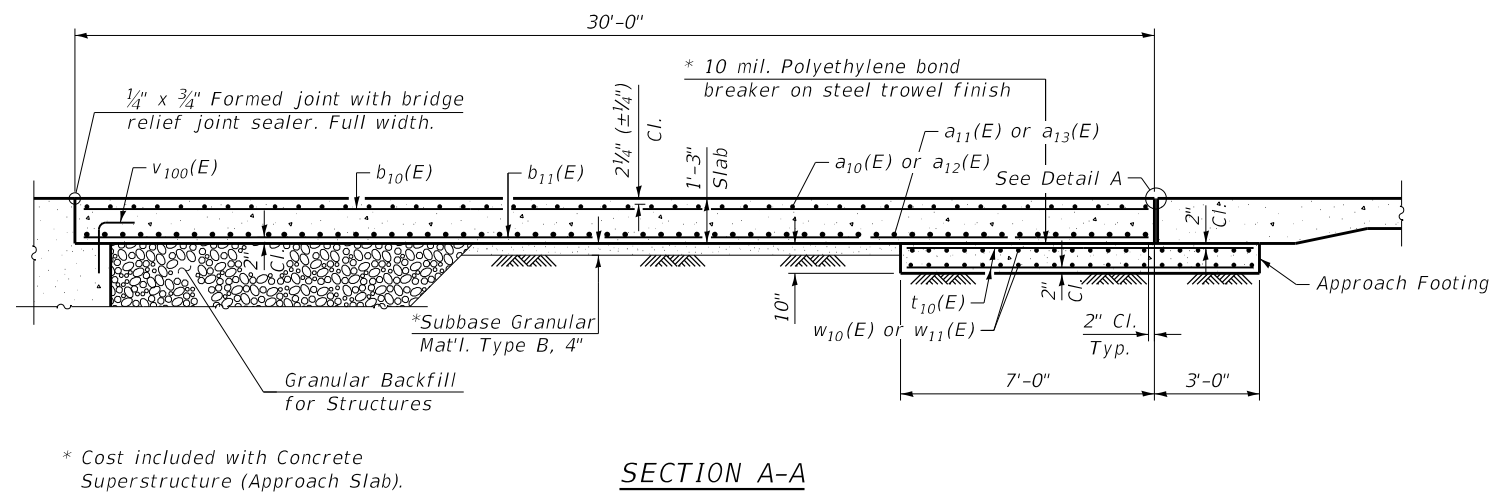
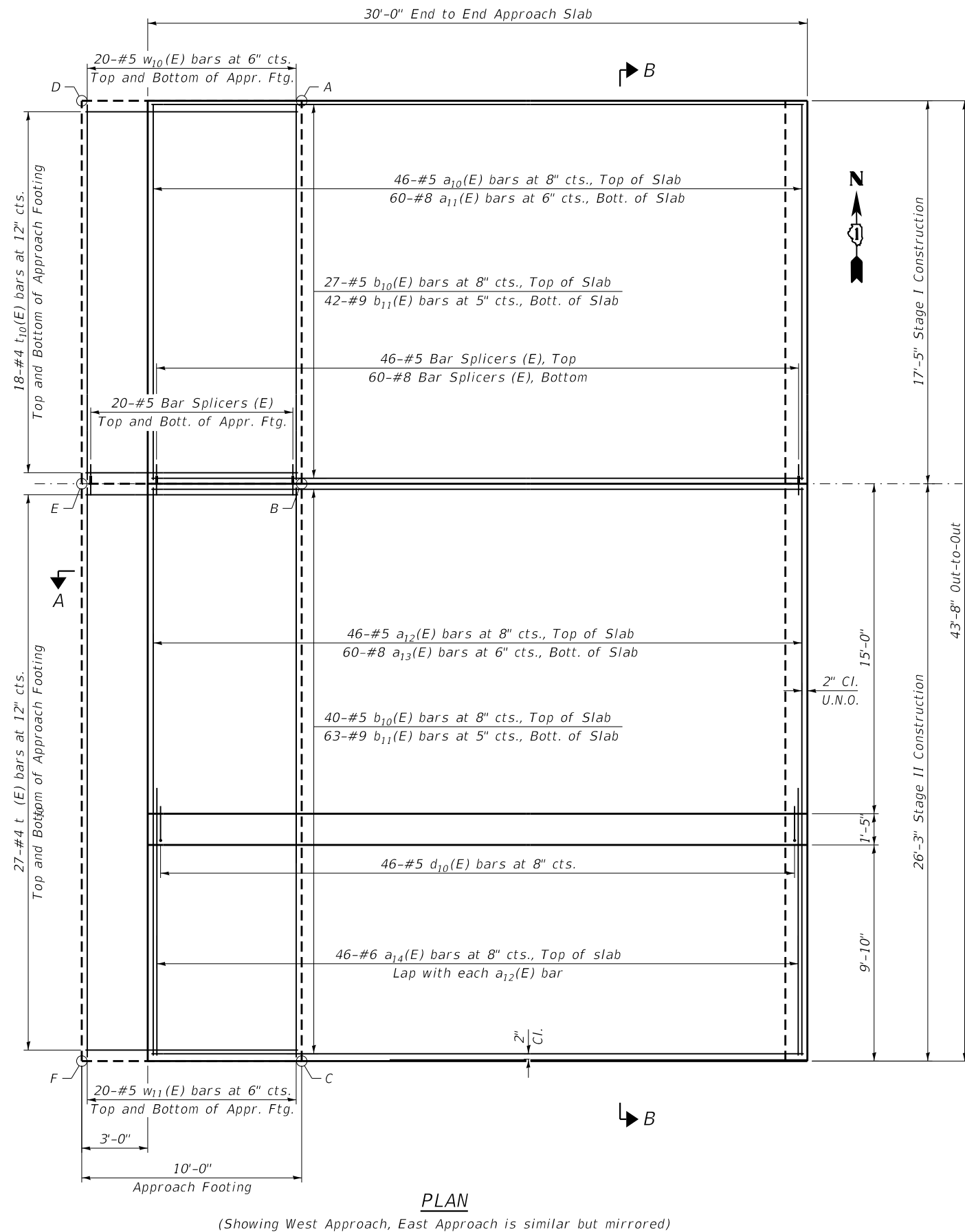
CITY OF HIGHLAND PARK

DIAPHRAGM DETAILS
STRUCTURE NO. 049-6585

SHEET S-12 OF S-28 SHEETS

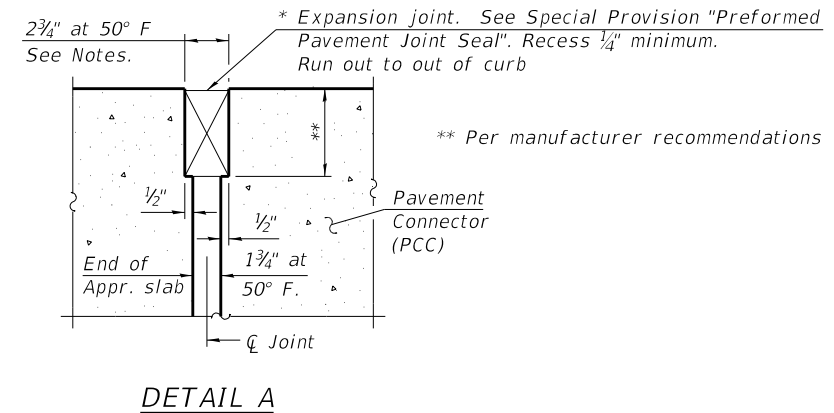
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1265	15-00125-00-PV	LAKE	153	107
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-13-Bridge Approach Slab Details.dgn



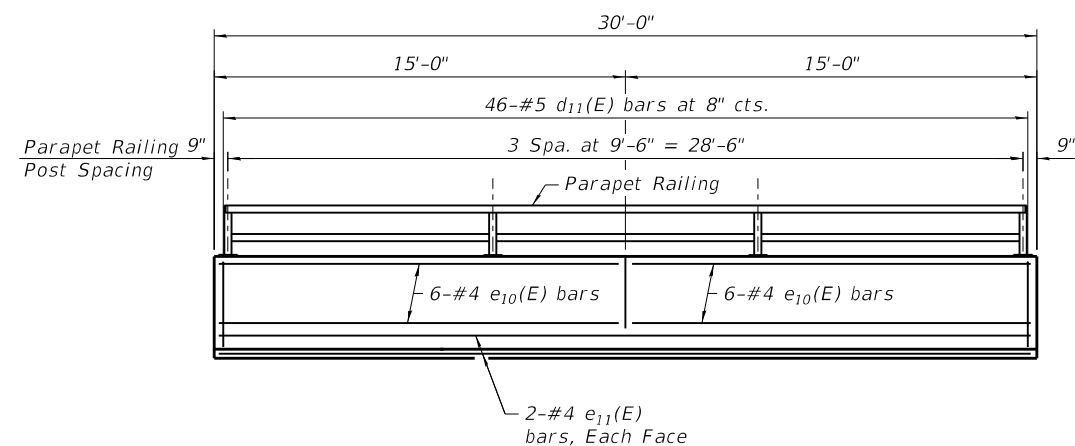
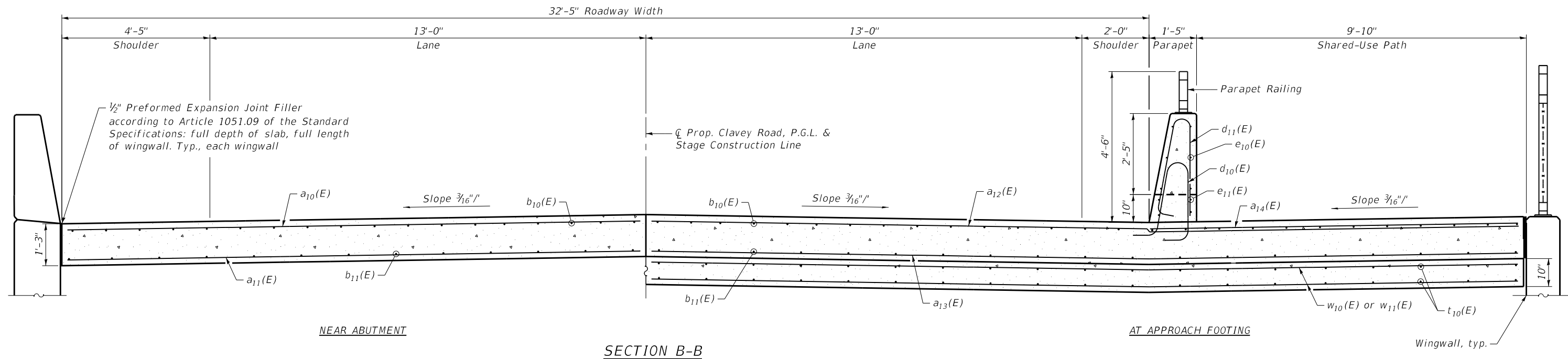
TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	West Approach		East Approach	
	Top	Bottom	Top	Bottom
A	637.28	636.44	637.12	636.29
B	637.55	636.72	637.39	636.56
C	637.49	636.66	637.33	636.50
D	637.36	636.52	636.92	636.08
E	637.63	636.80	637.19	636.36
F	637.57	636.74	637.13	636.30



MIN. LAP LENGTH
#5 bar = 3'-4"
#8 bar = 6'-9"

NOTE:
1. For Section B-B, see sheet S-14



INSIDE ELEVATION OF SOUTH PARAPET

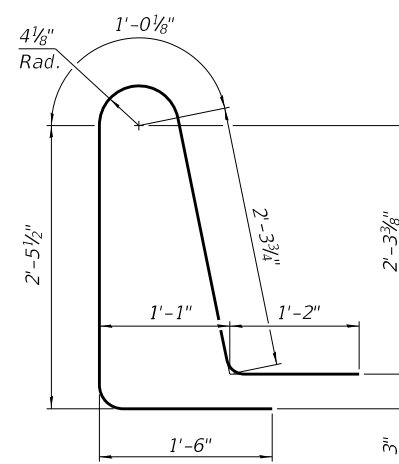
West Approach shown,
East Approach opposite hand.

**TWO APPROACHES
BILL OF MATERIAL**

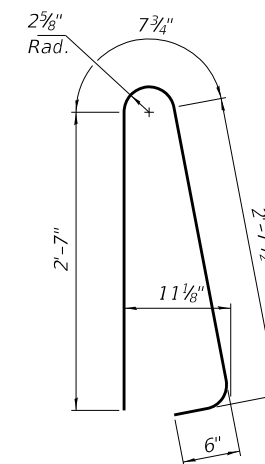
Bar	No.	Size	Length	Shape
a ₁₀ (E)	92	#5	17'-1"	—
a ₁₁ (E)	120	#8	17'-1"	—
a ₁₂ (E)	92	#5	25'-11"	—
a ₁₃ (E)	120	#8	25'-11"	—
a ₁₄ (E)	92	#6	10'-11"	—
b ₁₀ (E)	134	#5	29'-8"	—
b ₁₁ (E)	210	#9	29'-8"	—
d ₁₀ (E)	92	#5	6'-5"	⤴
d ₁₁ (E)	92	#5	8'-6"	⤴
e ₁₀ (E)	24	#4	14'-8"	—
e ₁₁ (E)	8	#4	29'-8"	—
t ₁₀ (E)	180	#4	9'-8"	—
w ₁₀ (E)	80	#5	17'-1"	—
w ₁₁ (E)	80	#5	25'-11"	—
Concrete Superstructure		Cu. Yd.	7.8	
Concrete Superstructure (Approach Slab)		Cu. Yd.	121.3	
Concrete Structures		Cu. Yd.	27.0	
Reinforcement Bars, Epoxy Coated		Pound	53,730	
Bar Splicers		Each	292	

NOTES:

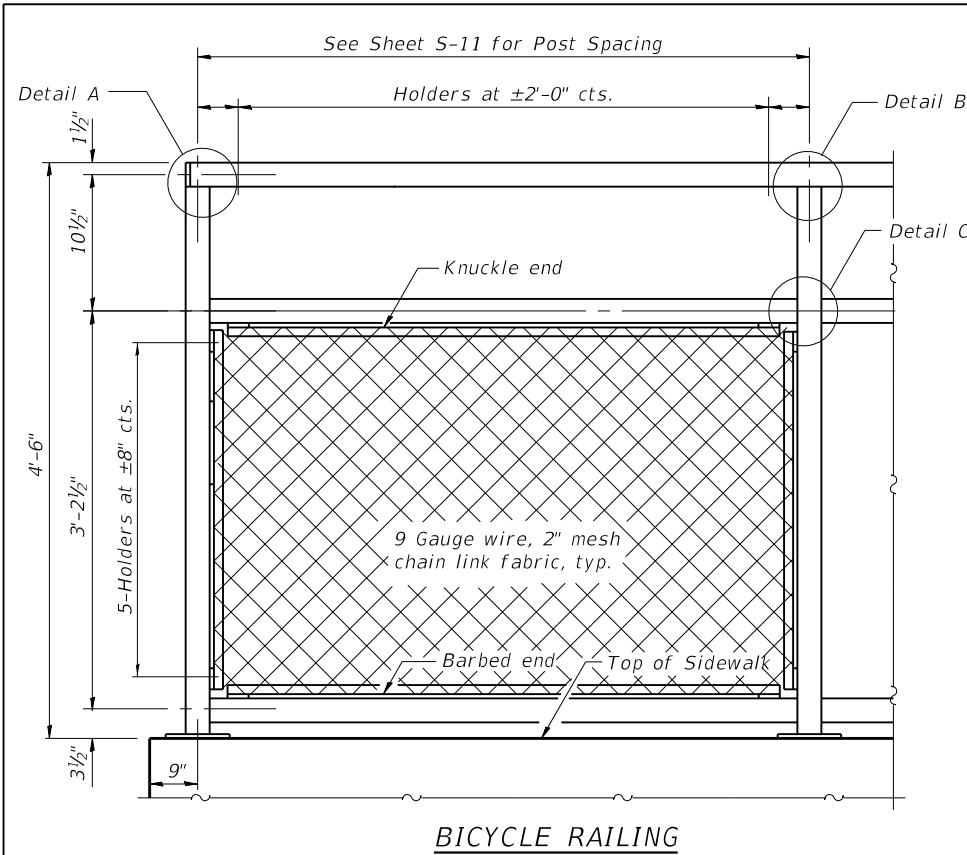
- The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
- Parapet concrete shall be paid for as Concrete Superstructure.
- Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
- Approach footing concrete shall be paid for as Concrete Structures.
- The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
- Cost of excavation for approach footing included with Concrete Structures.
- For Granular Backfill for Structures and drainage treatment details, see sheet S-2 of S-28.



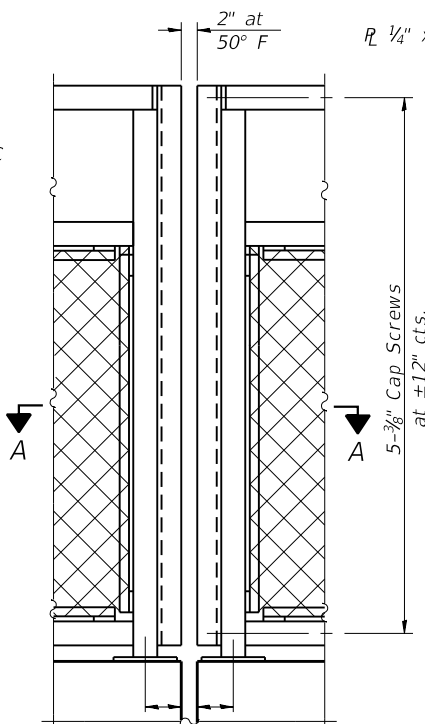
BAR d₁₀(E)



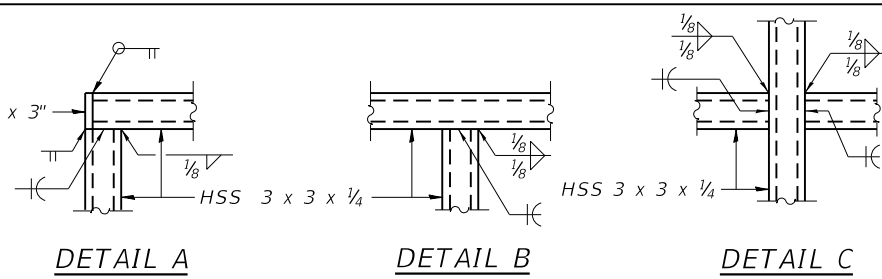
BAR d₁₁(E)



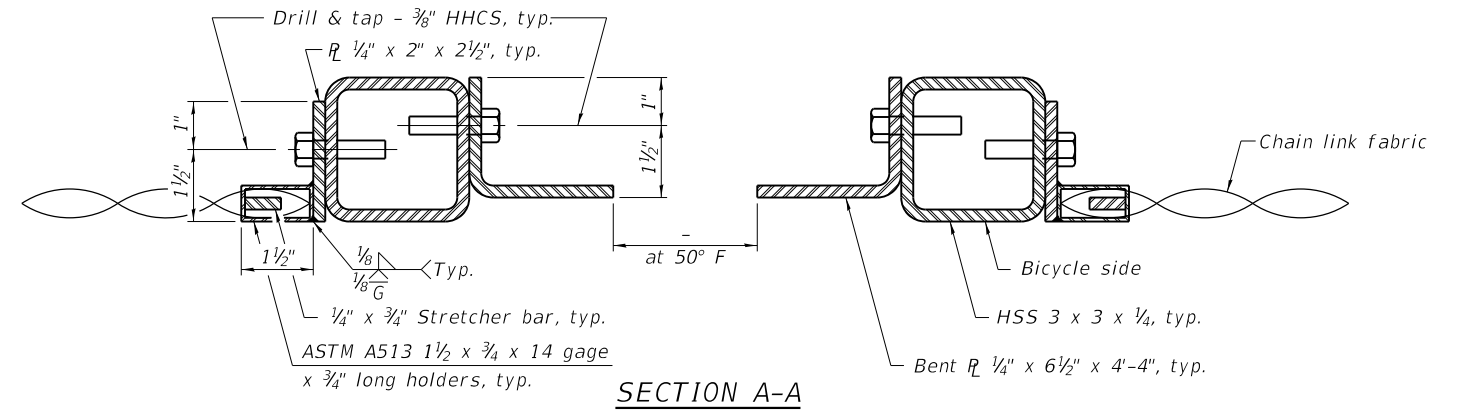
BICYCLE RAILING



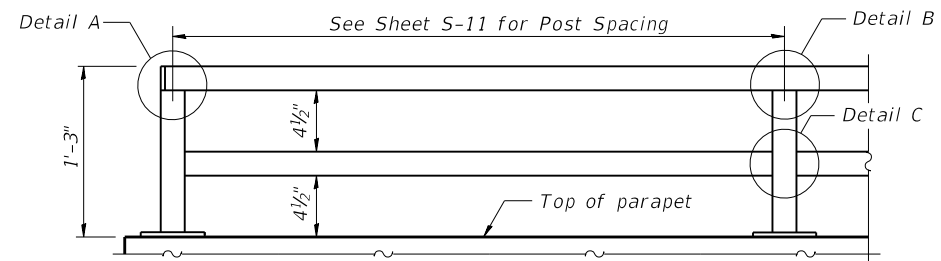
BICYCLE RAILING



A. All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
 Only one of the above notes would appear on Contract Plans.

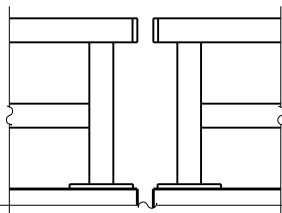


SECTION A-A

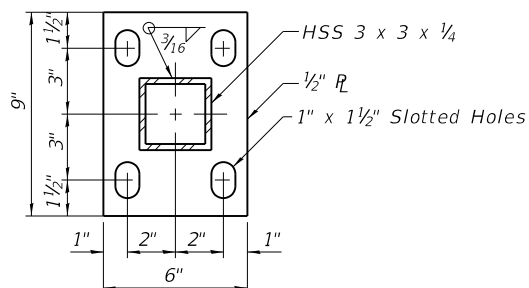


PARAPET RAILING

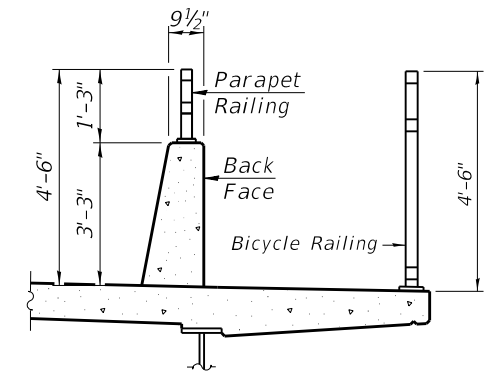
ELEVATION
 (Inside Face of Two Element Rail)



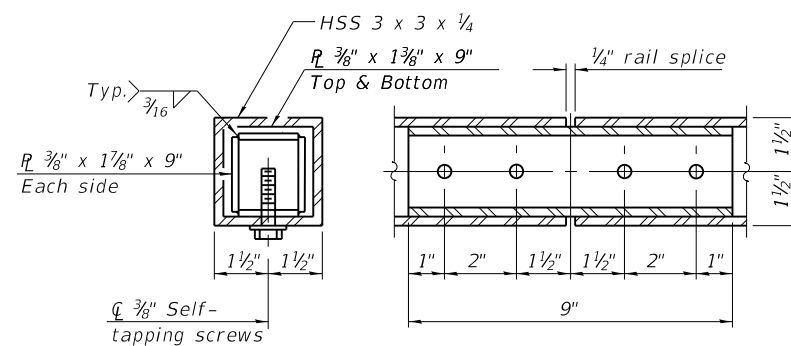
ELEVATION AT EXPANSION JOINT
 (Two Element Rail Shown - Three Element Rail Similar)



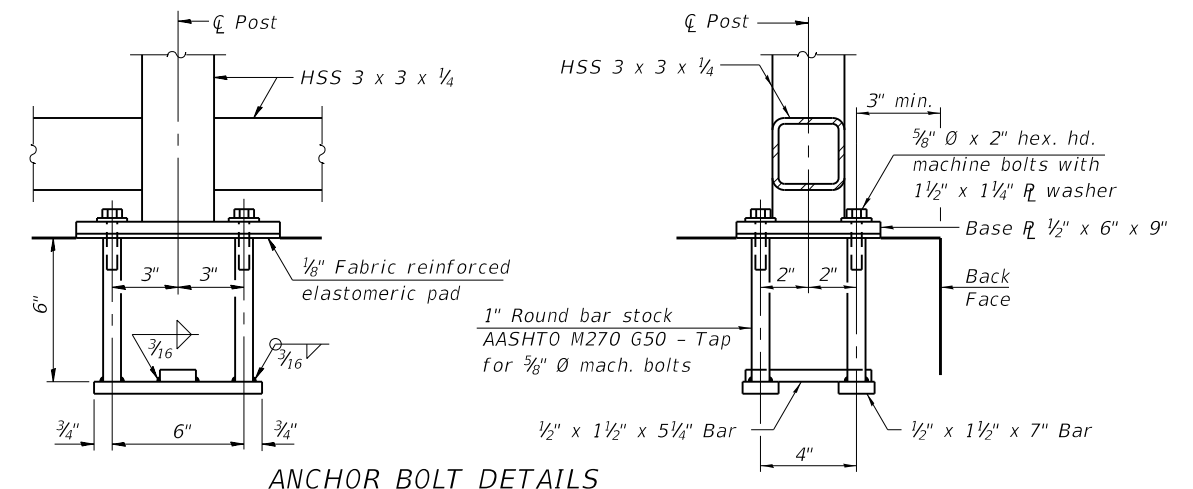
BASE R



SECTION THRU SIDEWALK



RAIL SPLICE



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

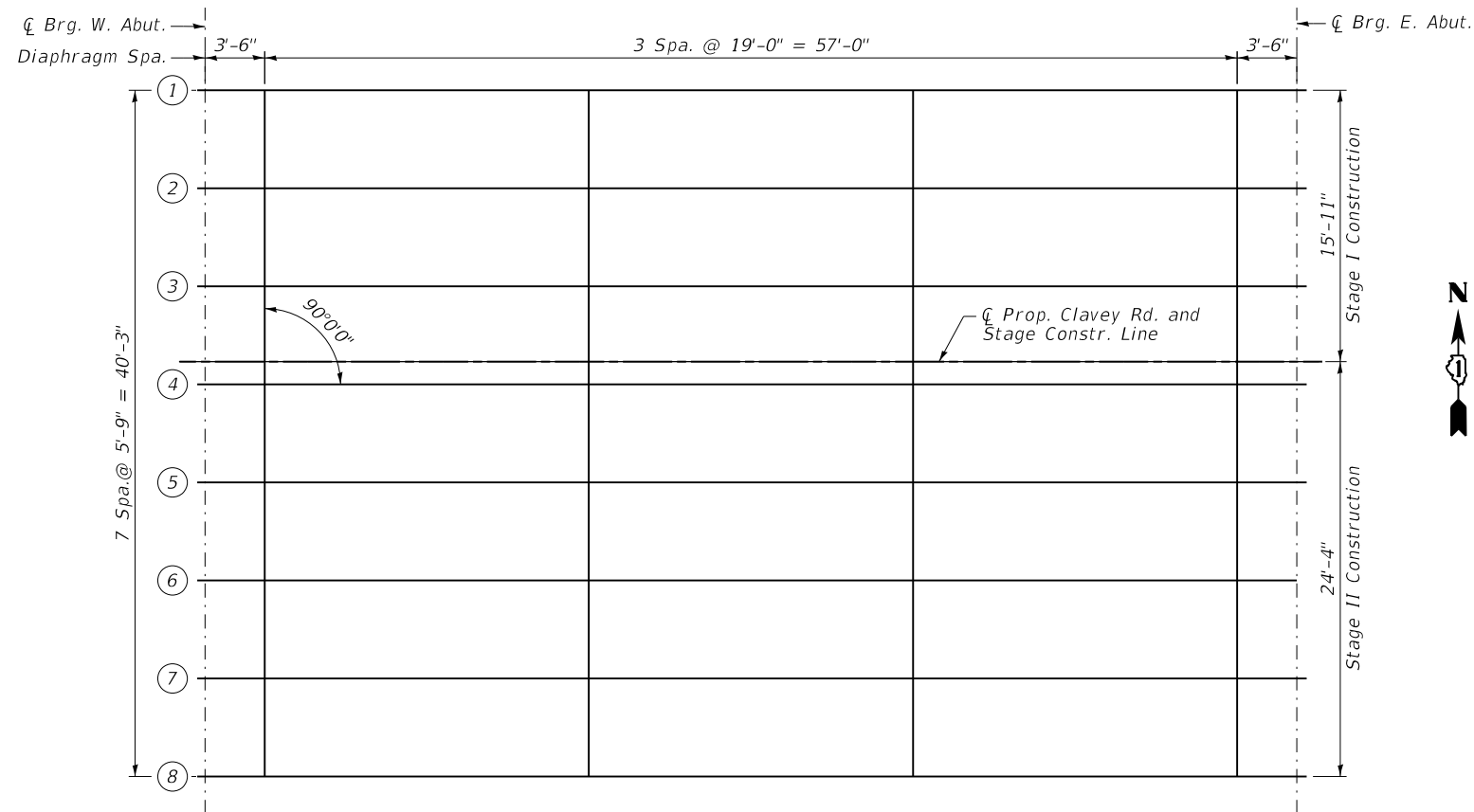
Item	Unit	Quantity
Bicycle Railing	Foot	102
Parapet Railing	Foot	126

Notes:
 All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.
 CVN testing may be omitted for the Bicycle Railing.

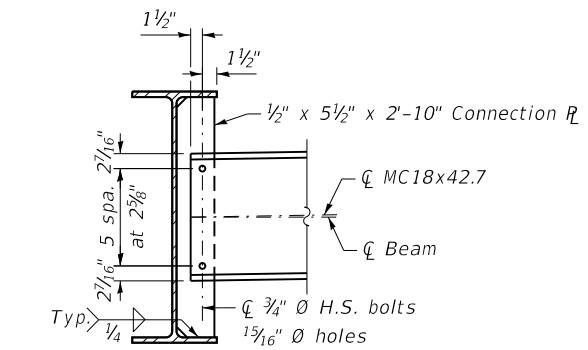
R-29 1-14-2019 (10'-0" Maximum Post Spacing)

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PLOT DATE = 02/26/20	DRAWN -	REVISED -
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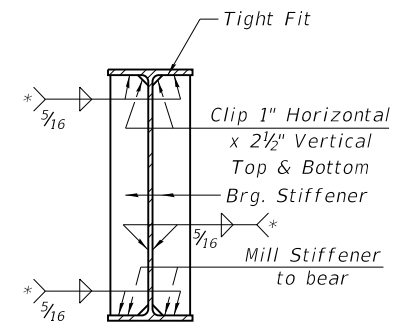
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	110
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



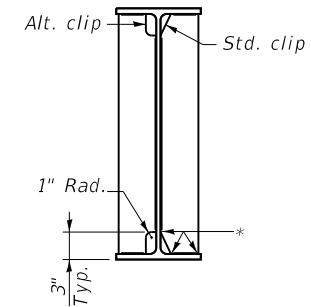
GIRDER FRAMING PLAN



INTERIOR DIAPHRAGMS

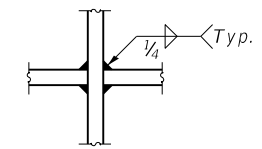


BEARING STIFFENER

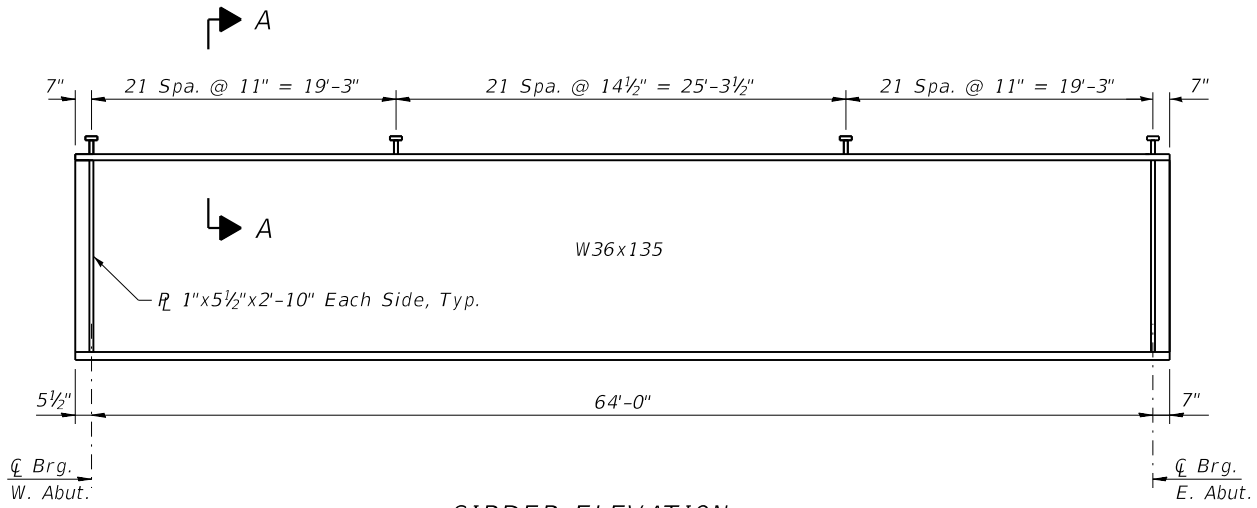


WELD LIMITS AND CLIP DETAILS

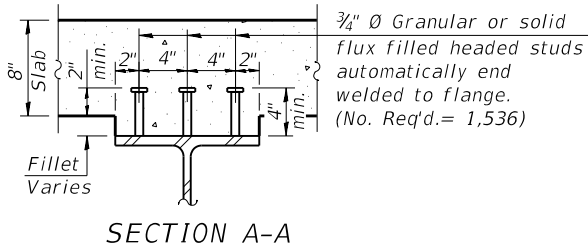
* Stop welds 1/4" (±1/8") from edges as shown. Typ.



WEB WELD DETAIL



GIRDER ELEVATION



SECTION A-A

TOP OF BEAM ELEVATIONS

Beam No.	1	2	3	4	5	6	7	8
West Abut.	638.77	638.86	638.95	638.99	638.90	638.81	638.84	638.93
East Abut.	638.68	638.77	638.86	638.90	638.81	638.72	638.75	638.84

NOTES:

- Two hardened washers required for each set of oversized holes.
- Alternate channels of equal depth and larger weight are permitted to facilitate material acquisition. Alternate channels, if utilized, shall be provided at no additional cost to the Department.
- See Interior Diaphragm/Cross-Frame Framing Details for connection plate orientation.

FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-16-Framing Plan and Beam Details.dgn

INTERIOR GIRDER MOMENT TABLE		
		0.5 Sp. 1
I_s	(in ⁴)	7,800
$I_c(n)$	(in ⁴)	2,353
$I_c(3n)$	(in ⁴)	16,098
$I_c(cr)$	(in ⁴)	-
S_s	(in ³)	439
$S_c(n)$	(in ³)	681
$S_c(3n)$	(in ³)	609
$S_c(cr)$	(in ³)	-
DC1	(k/ft)	0.75
M_{DC1}	(k)	383
DC2	(k/ft)	0.14
M_{DC2}	(k)	74
DW	(k/ft)	0.20
M_{DW}	(k)	104
LLDF		0.511
M_{L+IM}	(k)	760
f_c (Strength I)	(k)	0
$M_u + 1/3f_c S_{ec}$		2,057
ϕM_n	(k)	3,398
f_s DC1	(ksi)	10.5
f_s DC2	(ksi)	1.0
f_s DW	(ksi)	2.0
f_s LL+I	(ksi)	13.4
$f_s + f_c/2$ (Service II)	(ksi)	31.0
0.95R _h F _y f	(ksi)	47.5
$f_s + f_c/3$ (Total) (Strength I)	(ksi)	---
ϕF_n	(ksi)	---
V_f	(k)	41.8

GIRDER REACTION TABLE			
		Abut.	
		Interior	Exterior
LLDF		0.652	0.558
OCF		---	---
R_{DC1}	(k)	52.2	54.0
R_{DC2}	(k)	4.6	4.6
R_{DW}	(k)	9.5	9.5
R_{L1}	(k)	59.7	51.1
R_{Lm}	(k)	13.3	11.3
R_{total}	(k)	139.3	130.5

I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in.⁴ and in.³).

$I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to short term composite live loads (in.⁴ and in.³).

$I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to long-term composite (superimposed) dead loads (in.⁴ and in.³).

$I_c(cr), S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.⁴ and in.³).

DC1: Un-factored non-composite dead load (kips/ft.).

MDC1: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

MDC2: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

MDW: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

$M_L + IM$: Un-factored live load moment plus dynamic load allowance (impact)(kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
 $1.25 (MDC1 + MDC2) + 1.5 MDW + 1.75 M_L + IM$

f_t : Factored calculated normal stress at edge of flange for controlling flange plate due to lateral bending, Strength I or Service II as applicable (kip-ft.).

ϕF_n : Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft.).

f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
 $MDC1 / S_c$

f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
 $MDC2 / S_c(3n)$ or $MDC2 / S_c(cr)$ as applicable.

f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
 $MDW / S_c(3n)$ or $MDW / S_c(cr)$ as applicable.

$f_s (L+IM)$: Un-factored stress at edge of flange for controlling steel flange due to vertical composite live plus impact loads as calculated below (ksi).
 $M_L + IM / S_c(n)$ or $M_L + IM / S_c(cr)$ as applicable.

$f_s + f_c/2$ (Service II): Sum of stresses as computed below (ksi).
 $f_s DC1 + f_s DC2 + f_s DW + 1.3 f_s (L+IM) + f_c/2$

0.95R_hF_yf: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

$f_s + f_c/3$ (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
 $1.25 (f_s DC1 + f_s DC2) + 1.5 f_s DW + 1.75 f_s (L+IM) + f_c/3$

ϕF_n : Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).

V_f : Maximum factored shear range in span computed according to Article 6.10.10.

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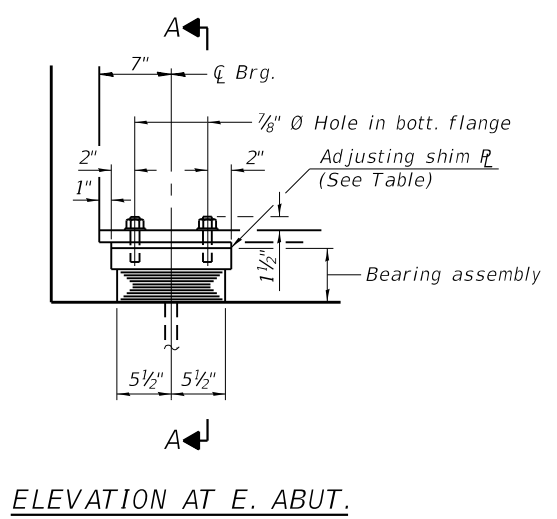
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CITY OF HIGHLAND PARK

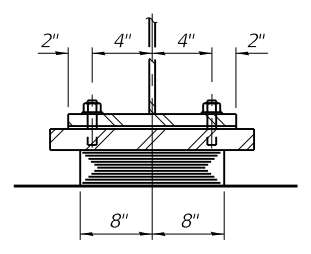
BEAM DETAILS
STRUCTURE NO. 049-6585

SHEET S-17 OF S-28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

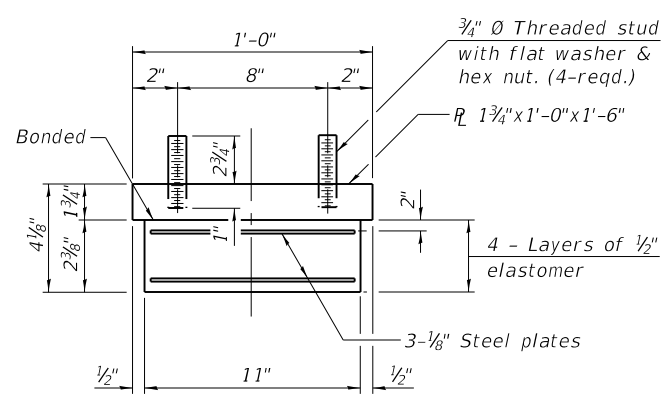


ELEVATION AT E. ABUT.



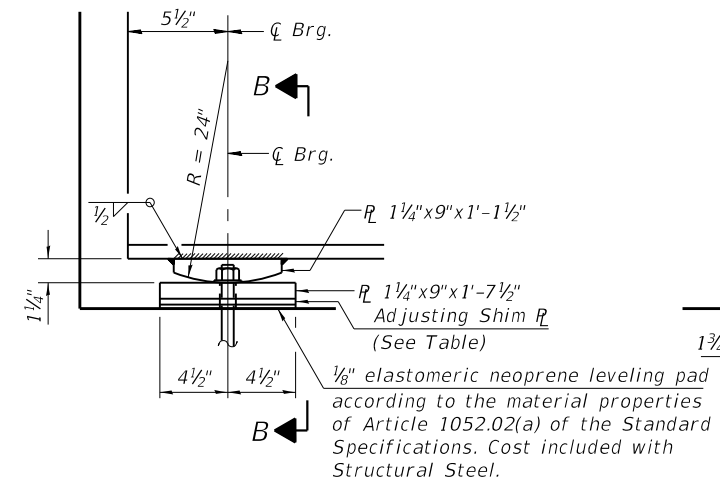
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.

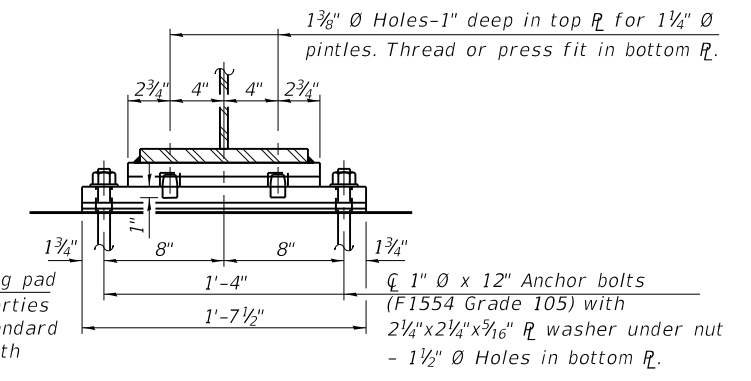


BEARING ASSEMBLY

Note:
Shim plates shall not be placed under bearing assembly.

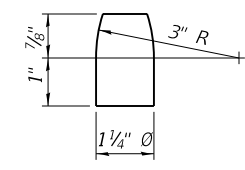


ELEVATION AT W. ABUT.



SECTION B-B

FIXED BEARING



PINTLE

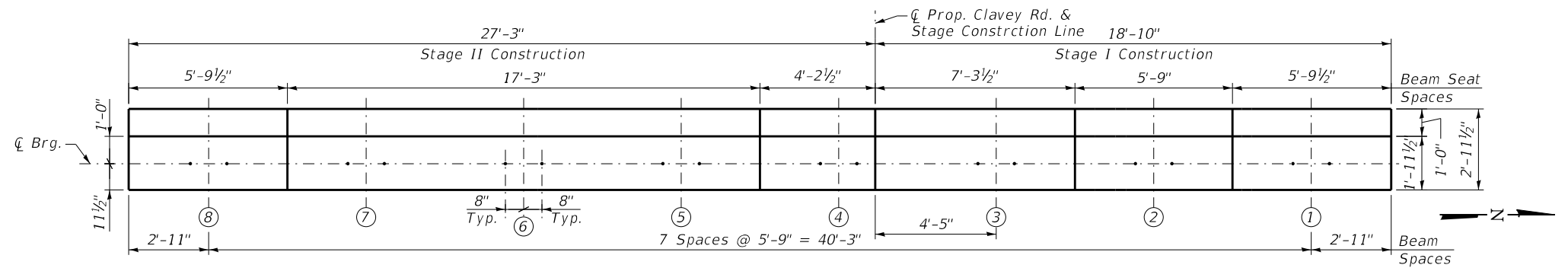
SHIM PLATES	
Girder	W. & E. Abut.
1	-
2	-
3	-
4	5/8"
5	1 1/8"
6	-
7	3/8"
8	-

Notes:
Anchor bolts shall be according to Article 521.06 of the Standard Specifications.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

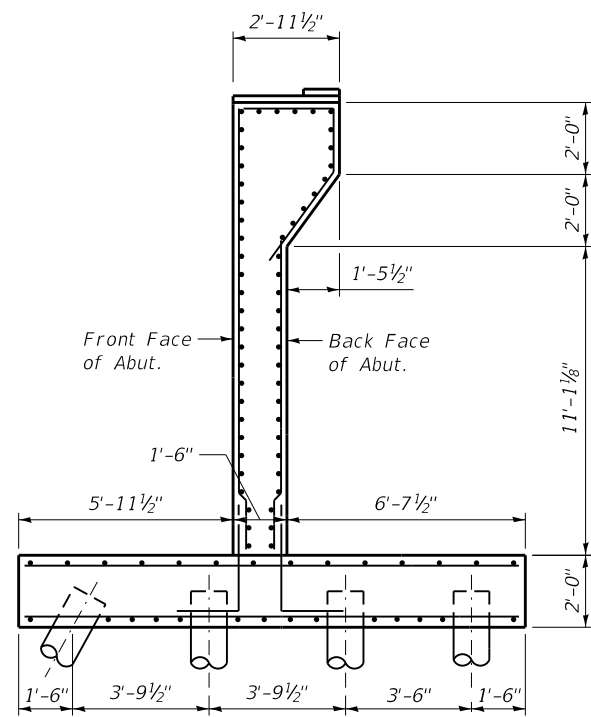
BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	8
Anchor Bolts	Each	16

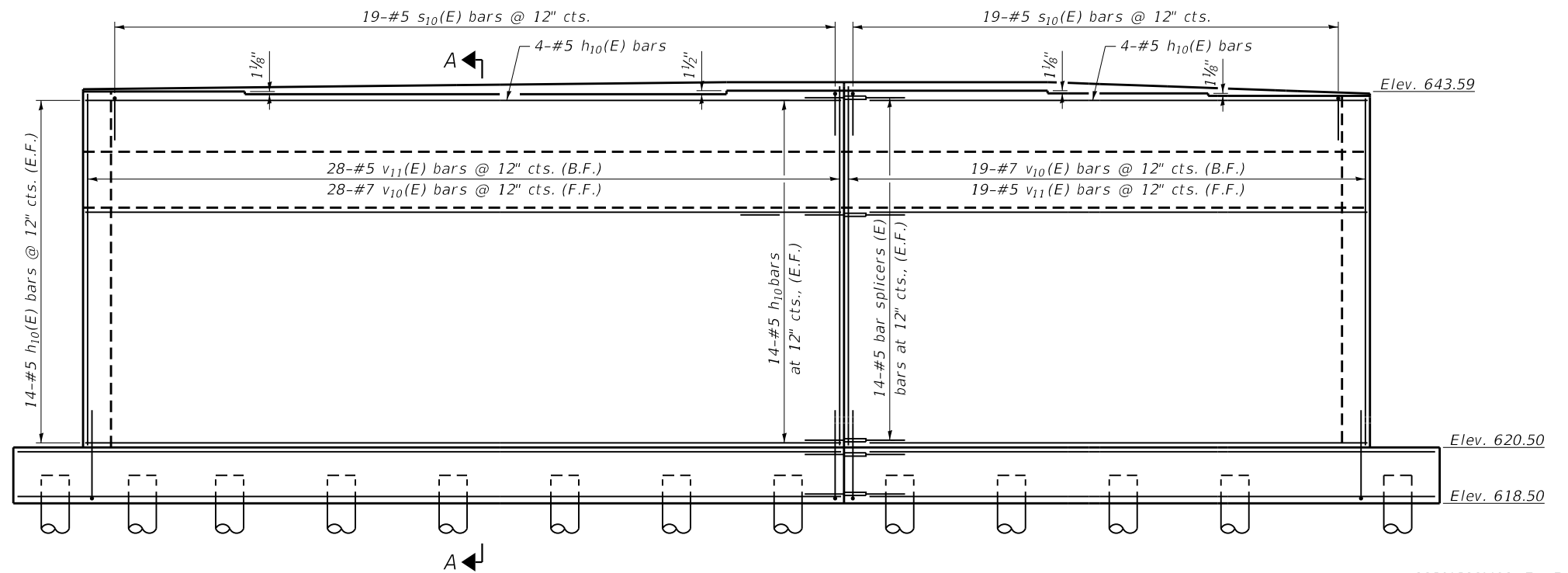
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PLAN - CAP



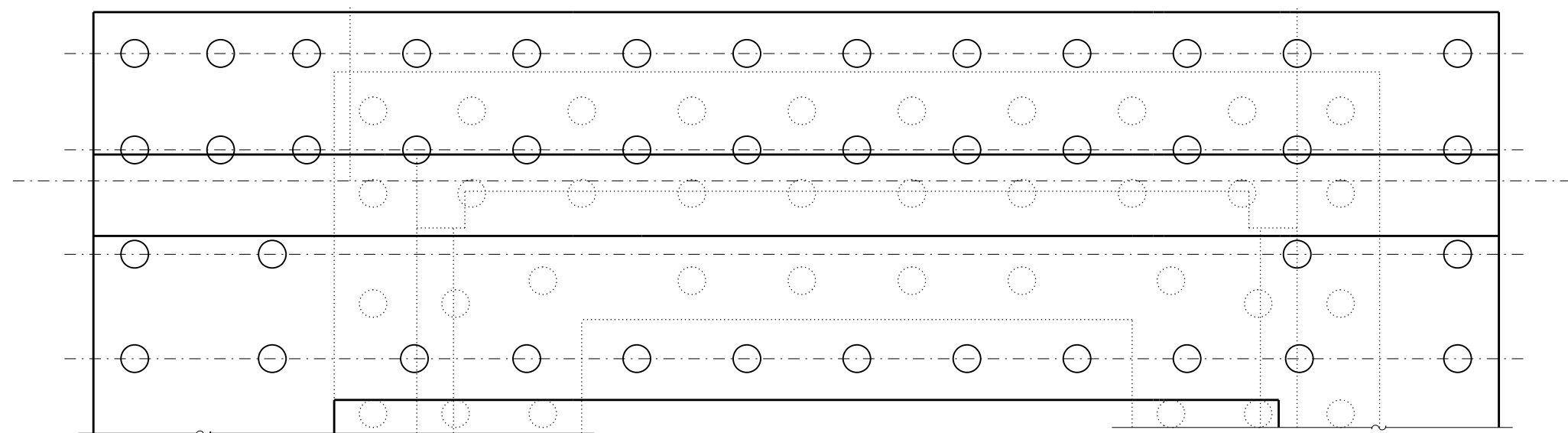
SECTION A-A



ELEVATION
(Looking West)

MINIMUM BAR LAP

#5 BAR = 3'-2"
#7 BAR = 5'-0"



FOOTING PLAN

FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-19-West_Abutment.dgn



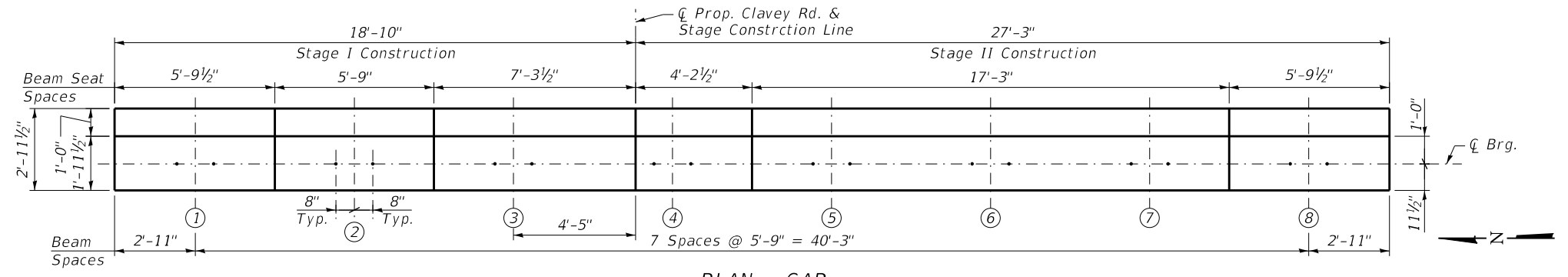
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PLOT DATE =	02/26/20	CHECKED -	REVISD -

CITY OF HIGHLAND PARK

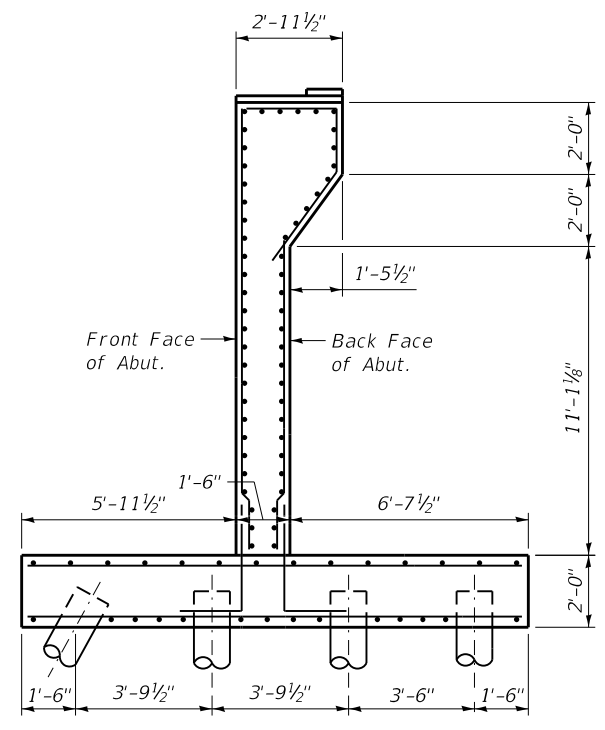
WEST ABUTMENT
STRUCTURE NO. 049-6585

SHEET S-19 OF S-28 SHEETS

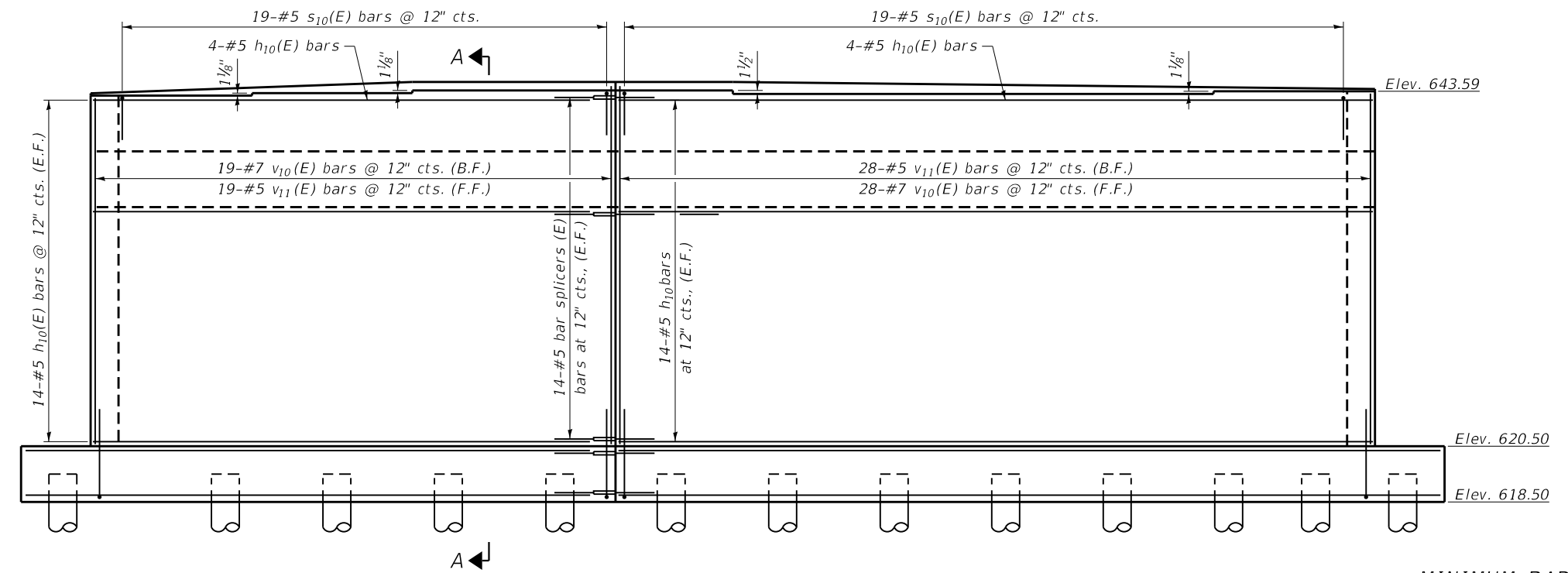
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	114
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



PLAN - CAP

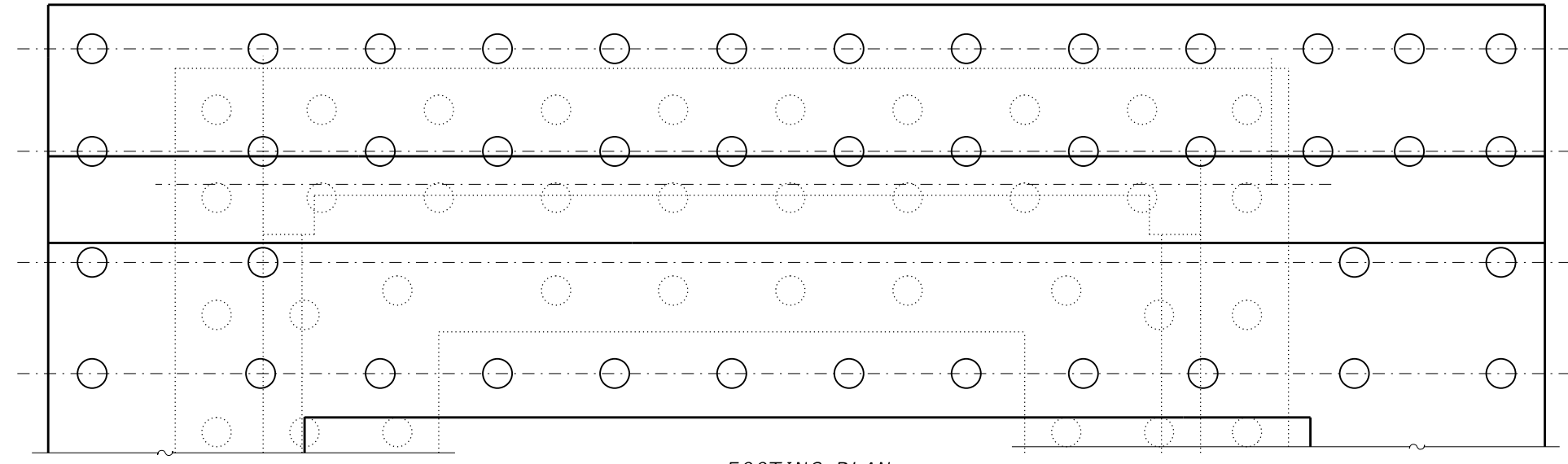


SECTION A-A



ELEVATION
(Looking East)

MINIMUM BAR LAP
#5 BAR = 3'-2"
#7 BAR = 5'-0"



FOOTING PLAN

FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-20-East_Abutment.dgn

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		CHECKED -		REVISED -	
PLOT SCALE =	0:2.0000 "/ in.	DRAWN -		REVISED -	
PLOT DATE =	02/26/20	CHECKED -		REVISED -	

CITY OF HIGHLAND PARK

EAST ABUTMENT
STRUCTURE NO. 049-6585

SHEET S-20 OF S-28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	115
CONTRACT NO.				
ILLINOIS		FED. AID PROJECT		

TO BE PROVIDED FOR FINAL SUBMITTAL

FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-21-Abutment_Details.dgn



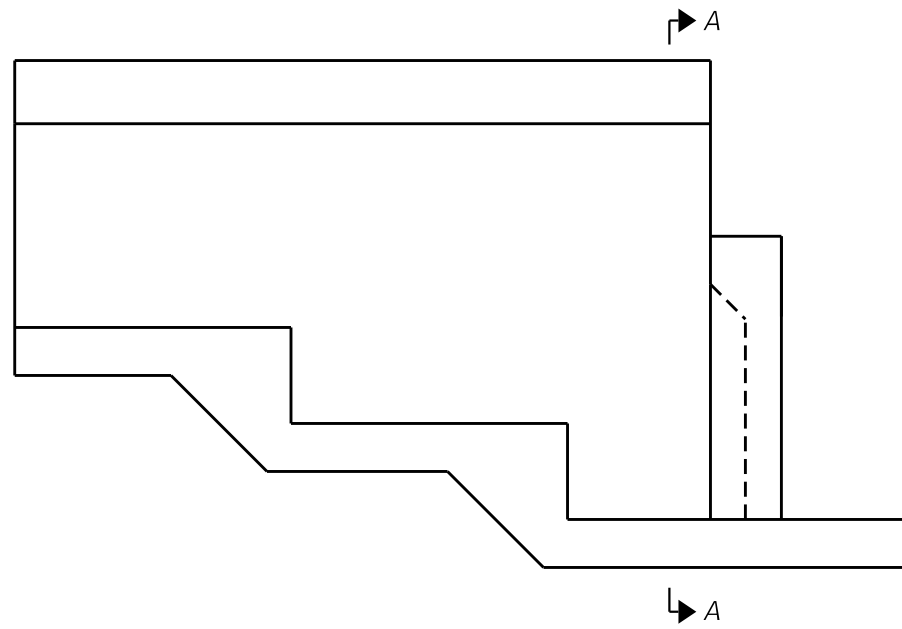
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PLOT DATE =	02/26/20	CHECKED -	REVISIED -

CITY OF HIGHLAND PARK

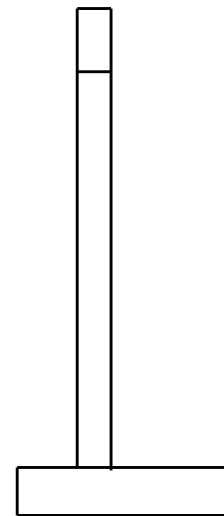
ABUTMENT DETAILS
STRUCTURE NO. 049-6585

SHEET S-21 OF S-28 SHEETS

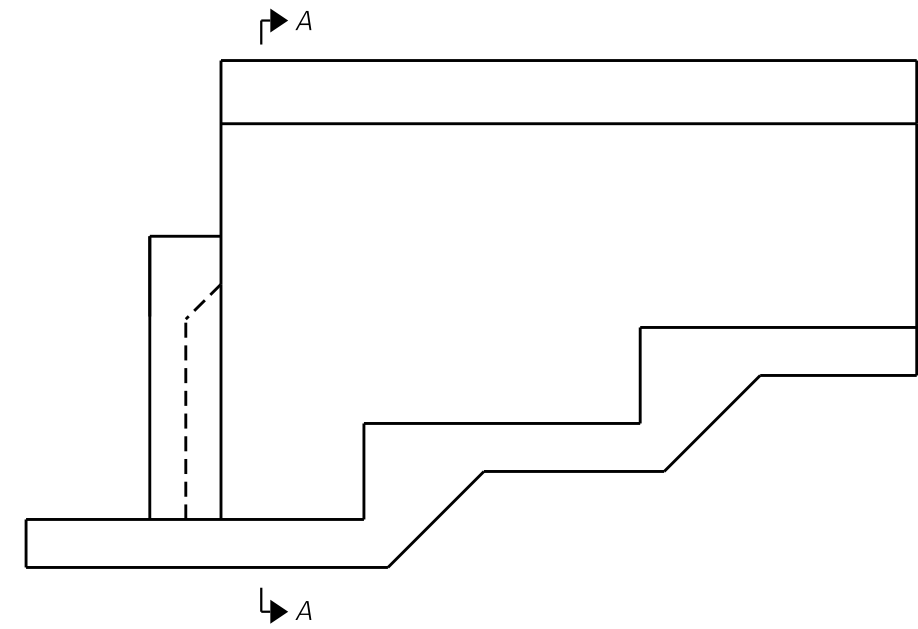
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	116
CONTRACT NO.				
		ILLINOIS	FED. AID PROJECT	



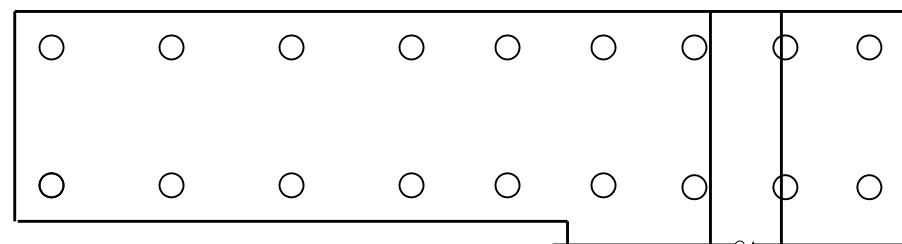
NORTHWEST WINGWALL
(Looking South)



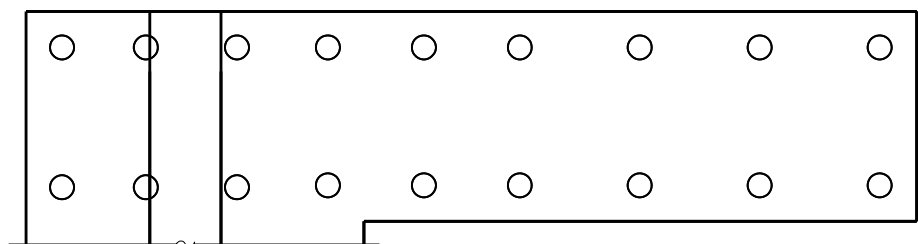
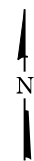
SECTION A-A



NORTHEAST WINGWALL
(Looking South)



NORTHWEST FOOTING PLAN



NORTHEAST FOOTING PLAN



FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-22-Wingwall Details 1.dgn



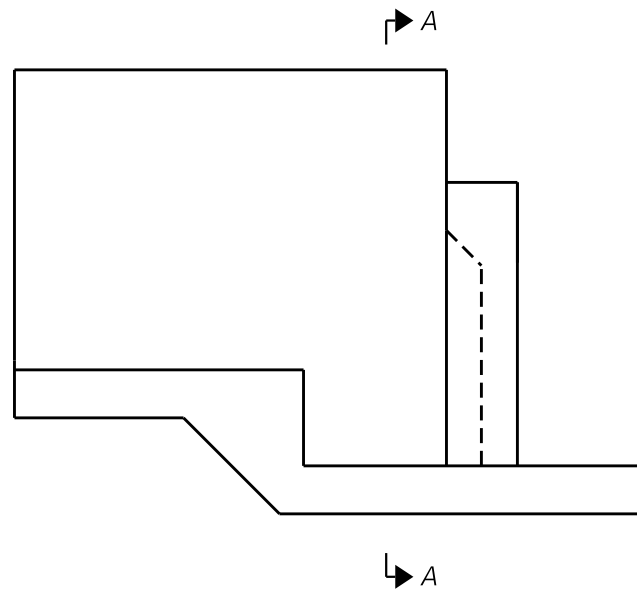
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PLOT DATE =	02/26/20	CHECKED -	REVISIED -

CITY OF HIGHLAND PARK

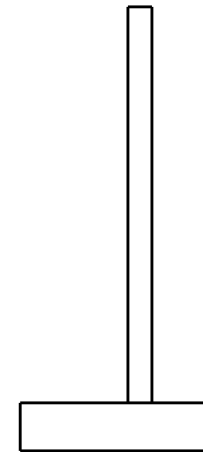
WINGWALL DETAILS 1
STRUCTURE NO. 049-6585

SHEET S-22 OF S-28 SHEETS

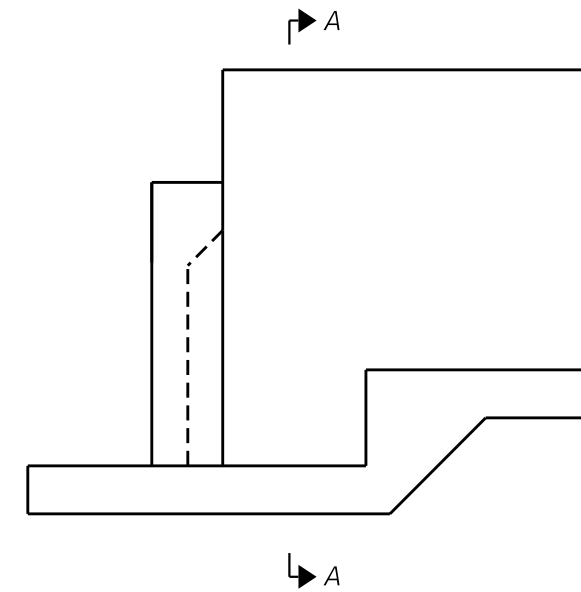
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	117
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



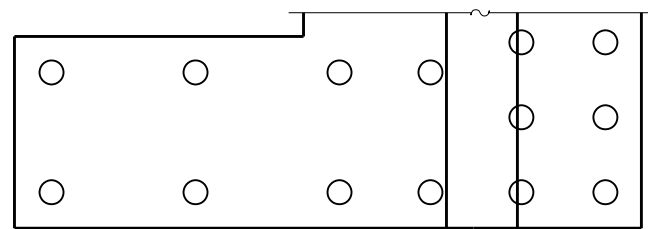
SOUTHWEST WINGWALL
(Looking North)



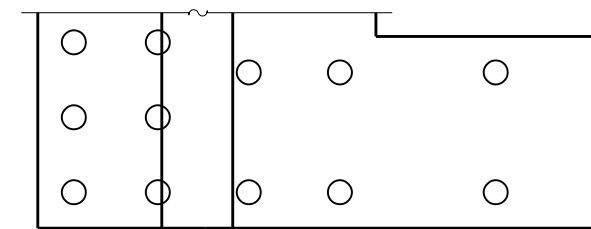
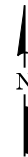
SECTION A-A



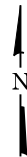
SOUTHEAST WINGWALL
(Looking North)



SOUTHWEST FOOTING PLAN



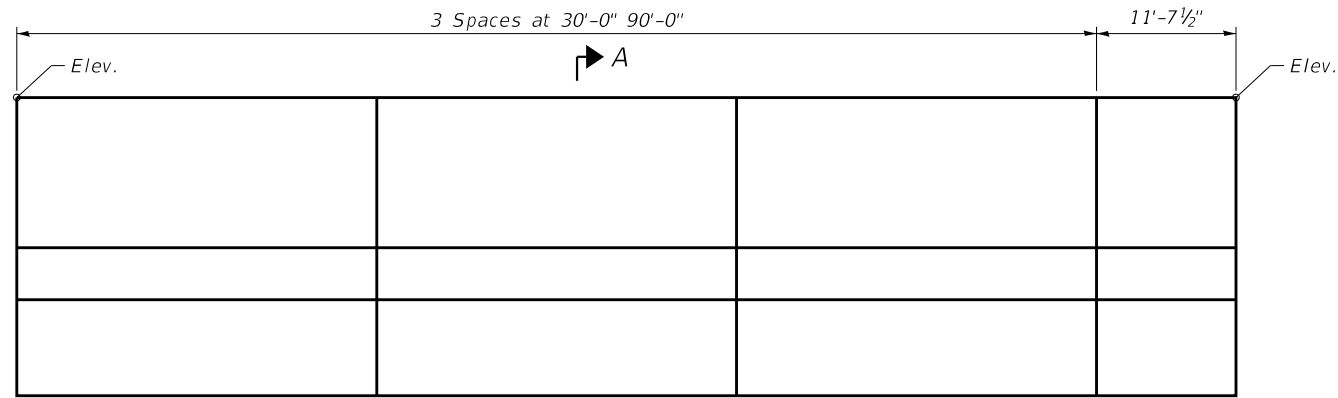
SOUTHEAST FOOTING PLAN



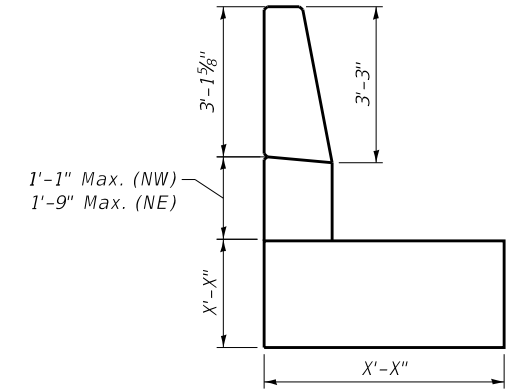
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PLOT DATE =	02/26/20	CHECKED -	REVISIED -

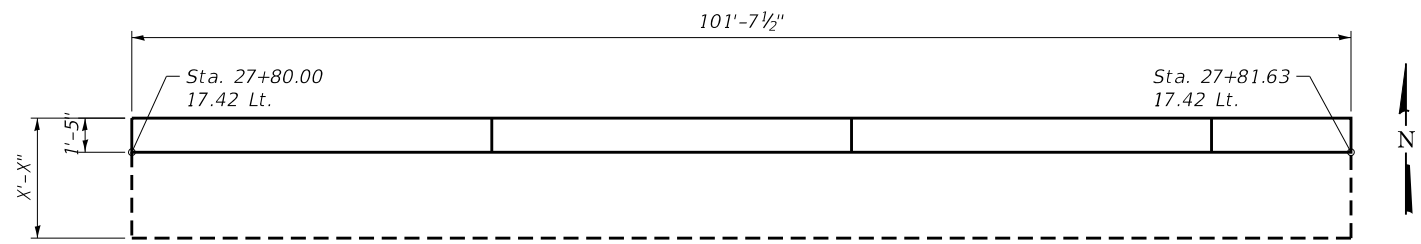
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	118
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



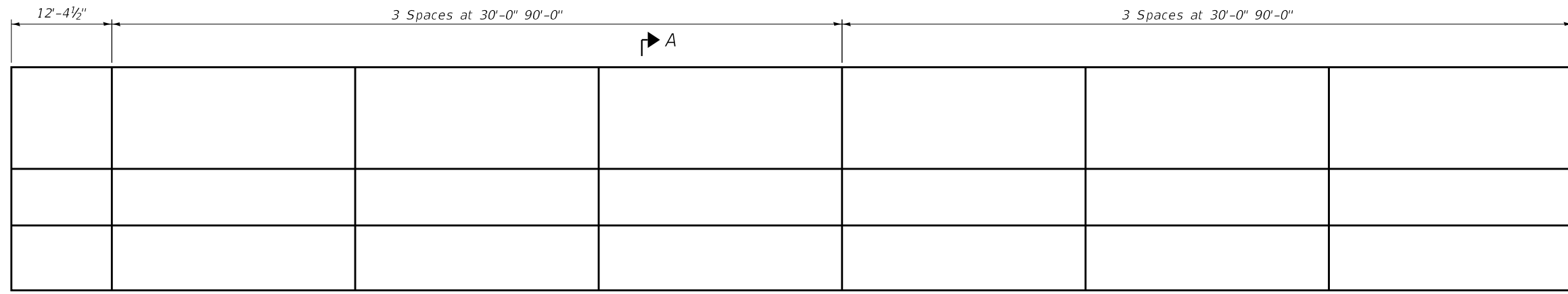
ELEVATION - NORTHWEST WALL



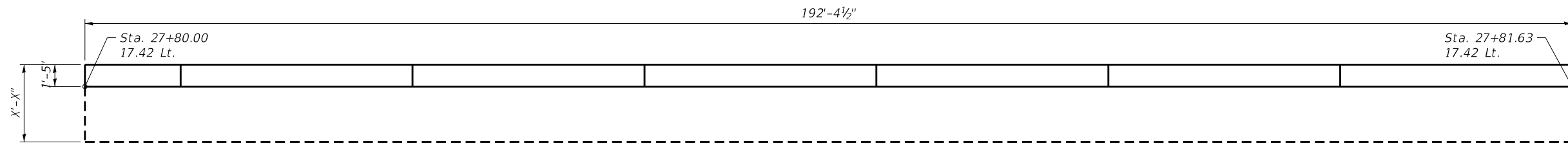
SECTION A-A



PLAN - NORTHWEST WALL



ELEVATION - NORTHEAST WALL



PLAN - NORTHEAST WALL

FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-24-Retaining Wall.dgn

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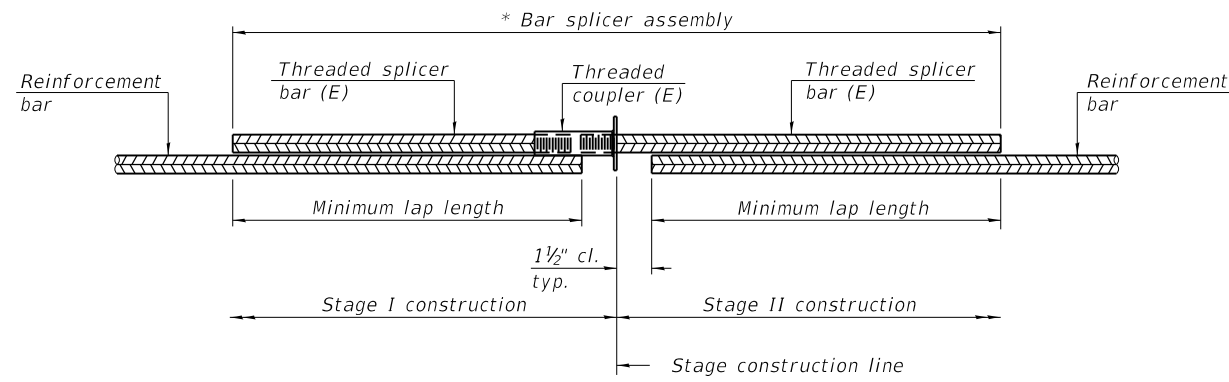
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PLOT SCALE =	0:2.0000 " = 1' in.	DRAWN -	REVISIED -
PLOT DATE =	02/26/20	CHECKED -	REVISIED -

CITY OF HIGHLAND PARK

**RETAINING WALL DETAILS
 STRUCTURE NO. 049-6585**

SHEET S-24 OF S-28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	119
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

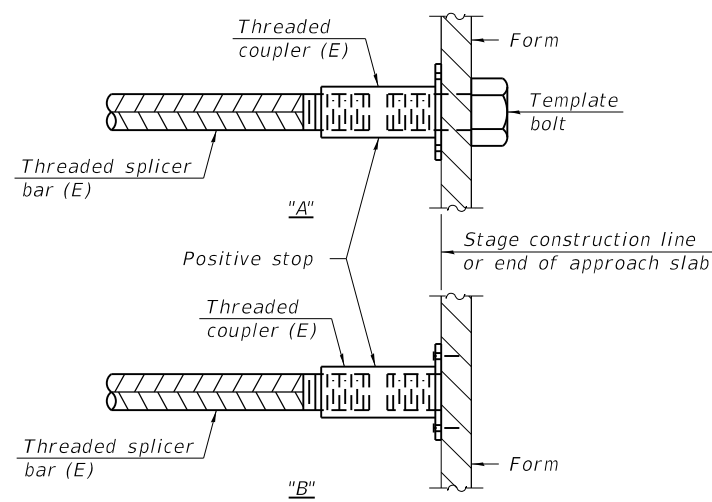


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

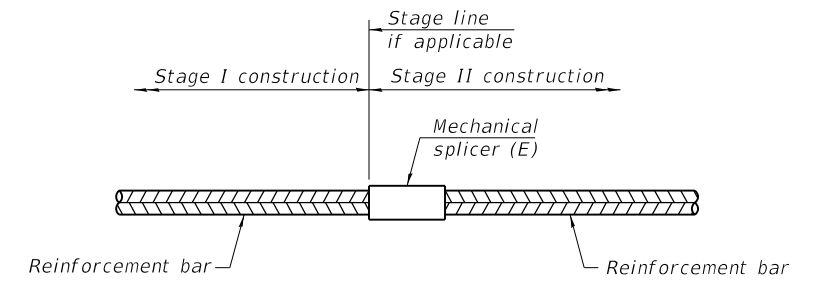
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

1-1-2020



USER NAME = Structural	DESIGNED -	REVISED -
PLOT SCALE = 0:2.0000 " = 1/8" in.	CHECKED -	REVISED -
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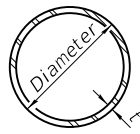
CITY OF HIGHLAND PARK

BAR SPLICER AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 049-6585

SHEET S-25 OF S-28 SHEETS

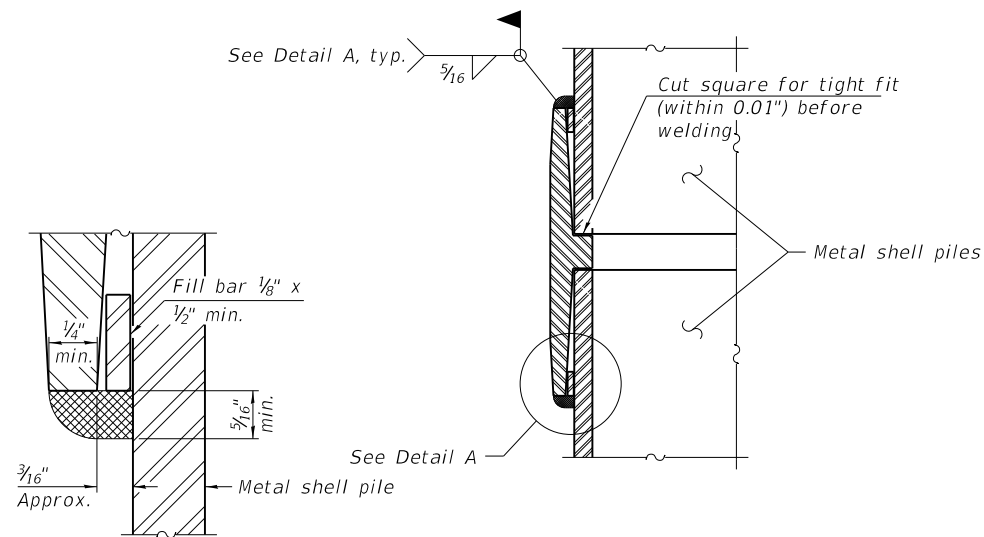
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	120
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-25-Bar_Splicer & Mechanical Splicer_Details.dgn

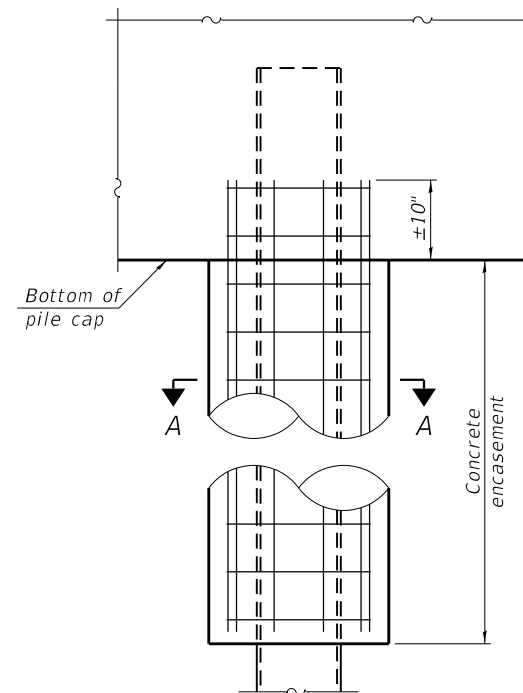


METAL SHELL PILE TABLE

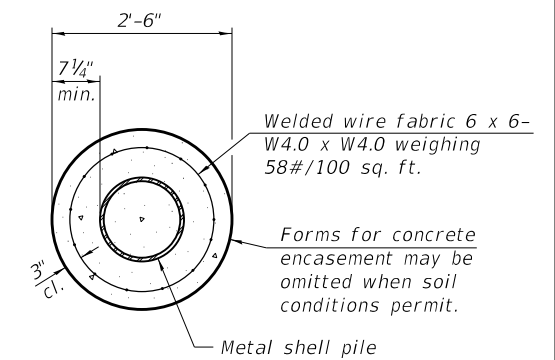
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



DETAIL A

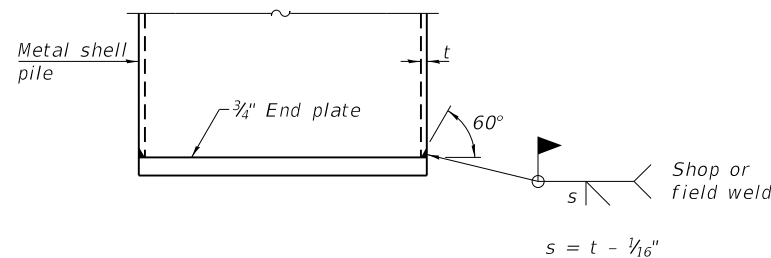


ELEVATION



SECTION A-A

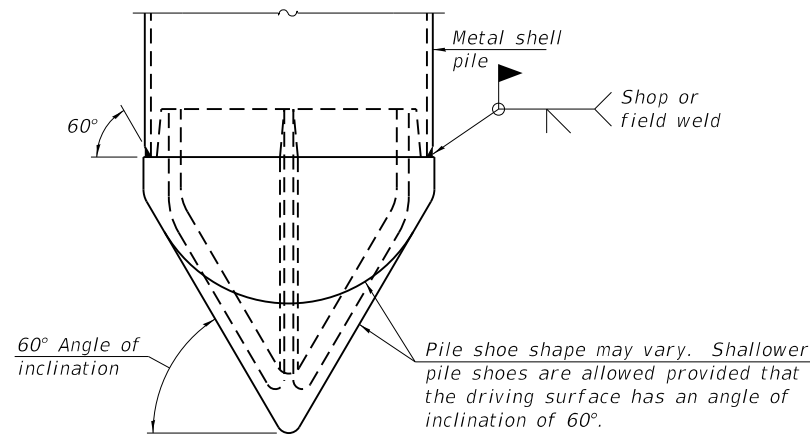
INDIVIDUAL PILE CONCRETE ENCASUREMENT
(When specified)



END PLATE ATTACHMENT

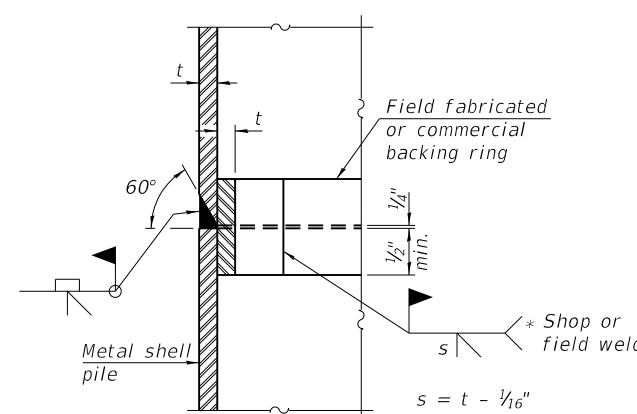
WELDED COMMERCIAL SPLICE

Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.



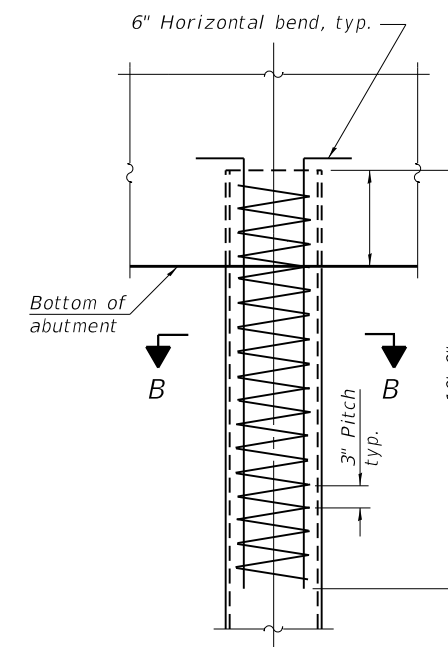
PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).



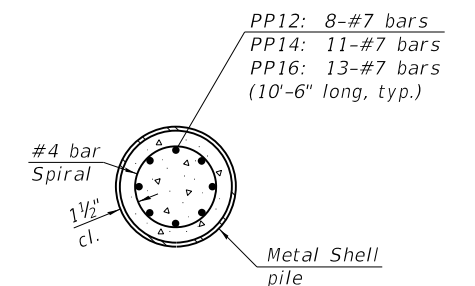
COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION

REINFORCEMENT AT ABUTMENTS
(Omit when concrete encasement is specified)



SECTION B-B

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-26-Metal Shell Pile Details.dgn

F-MS 1-1-2020



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	CHECKED -	REVISD -

CITY OF HIGHLAND PARK

METAL SHELL PILE DETAILS
STRUCTURE NO. 049-6585

SHEET S-26 OF S-28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	121
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

GEOCON PROFESSIONAL SERVICES		BORING NO. B-01	
CLIENT		PROJECT NAME	
PROJECT NUMBER		PROJECT LOCATION	
DATE COMPLETED		LOGGED BY	
DRILLING METHOD		DRILLING METHOD	
DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION
0	636.9		0-5" CONCRETE PAVEMENT
	636.4		5-11" AGGREGATE BASE
			mottled blue and gray CLAY FILL with gravel very stiff, moist
		SS 1	56 5-3-7 (10) 2.0 17.3
		SS 2	44 9-5-6 (11) 3.5 3.6 14.7
		SS 3	56 6-4-5 (9) 2.5 2.6 19.2
	629.4		black BURIED TOPSOIL (A-8) mottled blue and gray CLAY FILL with gravel
	627.4		mottled brown and gray CLAY (A-6) soft, moist
		SS 4	44 1-2-4 (6) 56.3 7.4
		ST 5	25 0.5 0.43 28.8 102.0
		SS 6	56 2-1-2 (3) 0.5 28.1
	622.4		gray SILTY LOAM (A-4) stiff, moist
		SS 7	67 6-7-6 (13) 2.0 2.0 16.2
	619.4		
COMPLETION DEPTH 100 ft		GROUND ELEVATION 637.36 ft	
CAVE DEPTH		BACKFILL	
GROUND WATER LEVELS:		NOTES	
AT TIME OF DRILLING		AT END OF DRILLING	
AFTER DRILLING			
Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.			
9370 W. Laraway Road, Suite D Frankfort, IL 60423 Phone 815-806-9986 Fax 815-464-8691			

GEOCON PROFESSIONAL SERVICES		BORING NO. B-01	
CLIENT		PROJECT NAME	
PROJECT NUMBER		PROJECT LOCATION	
DATE COMPLETED		LOGGED BY	
DRILLING METHOD		DRILLING METHOD	
DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION
20			gray CLAY (A-6) very stiff, moist
		SS 8	78 4-8-12 (20) 3.5 3.2 13.2
		SS 9	78 5-10-16 (26) 2.5 2.4 17.6
		ST 10	44 2.0 0.33 18.4 118.4
	612.4		gray SILTY LOAM (A-4) with gravel dense, moist
	611.4		brown CLAY (A-6) stiff, moist
		SS 11	44 9-10-8 (18) 13.9
		SS 12	67 5-6-6 (12) 1.5 2.0 18.1
		SS 13	89 6-6-7 (13) 1.5 1.7 16.7
		ST 14	92 2.0 15.4
		SS 15	78 6-6-8 (14) 2.0 1.8 19.0
		SS 16	78 6-7-7 (14) 1.75 1.7 21.4
Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.			
9370 W. Laraway Road, Suite D Frankfort, IL 60423 Phone 815-806-9986 Fax 815-464-8691			

GEOCON PROFESSIONAL SERVICES		BORING NO. B-01	
CLIENT		PROJECT NAME	
PROJECT NUMBER		PROJECT LOCATION	
DATE COMPLETED		LOGGED BY	
DRILLING METHOD		DRILLING METHOD	
DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION
			brown CLAY (A-6) stiff, moist (continued)
	593.9		brown CLAY (A-6) very stiff, moist
		SS 17	78 6-8-9 (17) 2.5 2.0 19.9
	45		
		SS 18	89 5-10-14 (24) 3.0 3.3 19.9
	50		
		SS 19	78 6-10-15 (25) 3.0 3.1 21.4
	55		
	578.9		gray CLAY (A-6) very stiff, moist
		SS 20	89 4-5-5 (10) 1.5 1.6 24.7
	60		
Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.			
9370 W. Laraway Road, Suite D Frankfort, IL 60423 Phone 815-806-9986 Fax 815-464-8691			

GEOCON PROFESSIONAL SERVICES		BORING NO. B-01	
CLIENT		PROJECT NAME	
PROJECT NUMBER		PROJECT LOCATION	
DATE COMPLETED		LOGGED BY	
DRILLING METHOD		DRILLING METHOD	
DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION
			gray CLAY (A-6) very stiff, moist (continued)
		SS 21	89 3-6-6 (12) 1.5 1.2 13.2
		SS 22	78 4-5-6 (11) 1.5 1.7 19.7
	567.4		gray CLAY (A-6) very stiff to hard
		SS 23	100 9-502" 2.0 14.2
		SS 24	56 10-14-16 (30) 2.5 14.0
		SS 25	67 16-25-19 (44) 4.5 4.5 13.9
Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.			
9370 W. Laraway Road, Suite D Frankfort, IL 60423 Phone 815-806-9986 Fax 815-464-8691			

GEOCON PROFESSIONAL SERVICES		BORING NO. B-01	
CLIENT		PROJECT NAME	
PROJECT NUMBER		PROJECT LOCATION	
DATE COMPLETED		LOGGED BY	
DRILLING METHOD		DRILLING METHOD	
DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION
85			gray CLAY (A-6) very stiff to hard (continued)
		SS 26	67 14-19-17 (36) 4.5 4.0 11.7
		SS 27	56 15-19-31 (50) 4.5 4.5 13.2
		SS 28	67 17-25-38 (63) 4.5 12.7
Bottom of borehole at 100.0 feet.			
Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.			
9370 W. Laraway Road, Suite D Frankfort, IL 60423 Phone 815-806-9986 Fax 815-464-8691			

FILE NAME: N:\PROJ\020985-01\Design\Structural\CAD\020985-27-501 Boring Logs 1.dgn



USER NAME =	Structural	DESIGNED -	REVISOR -
PLOT SCALE =	0:2.0000" = 1' / in.	CHECKED -	REVISION -
PLOT DATE =	02/26/20	DRAWN -	REVISION -
		CHECKED -	REVISION -

CITY OF HIGHLAND PARK

SOIL BORING LOGS 1
STRUCTURE NO. 049-6585

SHEET S-27 OF S-28 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	122
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

GEOCON PROFESSIONAL SERVICES		BORING NO. B-02 PAGE 1 OF 4													
CLIENT Robinson Engineering, Ltd.		PROJECT NAME Clavey Road over Skokie River													
PROJECT NUMBER 17-G0411		PROJECT LOCATION Highland Park, Illinois													
DATE COMPLETED 4/18/17		LOGGED BY NJ/GL													
DRILLING METHOD 3.25 in. I.D. HSA															
DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE NUMBER	RECOVERY % (ROD)	BLOW COUNTS (N VALUE)	POCKET PEN. (QP) (lb/ft)	UNC. STRENGTH (QU) (lb/ft)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	ATTERBERG LIMITS
0	638.1		0-5" CONCRETE PAVEMENT												
	637.7		5-10" AGGREGATE BASE												
	635.6		black CLAY FILL with gravel stiff, moist	SS 1	44	4-5-6 (11)				72.0					
	635.6		brown GRAVEL FILL dense, moist	SS 2	56	9-19-13 (32)				14.7					
	632.6		brown CLAY FILL stiff, moist	SS 3	67 (6)	3-3-4 (7)		1.5	1.3	21.9					
	630.8		black BURIED TOPSOIL (A-8) stiff, moist	ST 4	58			1.0		56.0					
	626.6		brown CLAY LOAM (A-6) soft, moist	SS 5	78	1-1-2 (3)				43.6					
	625.6		gray CLAY (A-6) very soft, moist	SS 6	67	1-1-2 (3)		0.25	0.2	29.6					
	622.6		gray CLAY (A-6) very stiff, moist	ST 7	83			2.0		15.9					
COMPLETION DEPTH 80 ft		GROUND ELEVATION 638.56 ft		NOTES											
CAVE DEPTH		BACKFILL		Soil Cuttings											
GROUND WATER LEVELS:															
AT TIME OF DRILLING --- None															
AT END OF DRILLING --- Dry upon completion															
AFTER DRILLING ---															
Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.															
9370 W. Laraway Road, Suite D Frankfort, IL 60423 Phone 815-806-9886 Fax 815-464-8691															

GEOCON PROFESSIONAL SERVICES		BORING NO. B-02 PAGE 2 OF 4													
CLIENT Robinson Engineering, Ltd.		PROJECT NAME Clavey Road over Skokie River													
PROJECT NUMBER 17-G0411		PROJECT LOCATION Highland Park, Illinois													
DATE COMPLETED 4/18/17		LOGGED BY NJ/GL													
DRILLING METHOD 3.25 in. I.D. HSA															
DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE NUMBER	RECOVERY % (ROD)	BLOW COUNTS (N VALUE)	POCKET PEN. (QP) (lb/ft)	UNC. STRENGTH (QU) (lb/ft)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	ATTERBERG LIMITS
			gray CLAY (A-6) very stiff, moist (continued)	SS 8	78	4-7-10 (17)	3.25	3.4	15.9			27	14	13	
				SS 9	78	6-10-14 (24)	4.0	4.0	14.9						
				SS 10	78	5-7-11 (18)	3.25	3.4	15.1						
				SS 11	78	7-7-10 (17)	3.0	3.1	16.6						
				ST 12	96		3.0	2.42	17.4	116.1		28	15	13	
				SS 13	89	6-10-10 (20)	2.25	2.3	16.8						
				SS 14	89	4-7-7 (14)	2.25	2.1	19.5						
				SS 15	100	4-8-9 (17)	2.5	2.5	14.6						
COMPLETION DEPTH 80 ft		GROUND ELEVATION 638.56 ft		NOTES											
CAVE DEPTH		BACKFILL		Soil Cuttings											
GROUND WATER LEVELS:															
AT TIME OF DRILLING --- None															
AT END OF DRILLING --- Dry upon completion															
AFTER DRILLING ---															
Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.															
9370 W. Laraway Road, Suite D Frankfort, IL 60423 Phone 815-806-9886 Fax 815-464-8691															

GEOCON PROFESSIONAL SERVICES		BORING NO. B-02 PAGE 3 OF 4													
CLIENT Robinson Engineering, Ltd.		PROJECT NAME Clavey Road over Skokie River													
PROJECT NUMBER 17-G0411		PROJECT LOCATION Highland Park, Illinois													
DATE COMPLETED 4/18/17		LOGGED BY NJ/GL													
DRILLING METHOD 3.25 in. I.D. HSA															
DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE NUMBER	RECOVERY % (ROD)	BLOW COUNTS (N VALUE)	POCKET PEN. (QP) (lb/ft)	UNC. STRENGTH (QU) (lb/ft)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	ATTERBERG LIMITS
			gray CLAY (A-6) very stiff, moist (continued)	SS 16	78	5-8-8 (16)	2.5	2.9	20.9						
				SS 17	78	6-9-11 (20)	2.25	2.2	22.1						
				SS 18	78	5-9-10 (19)	2.25	2.6	20.5						
			gray CLAY (A-6) very stiff, moist	SS 19	78	6-9-11 (20)	2.0	2.0	13.4						
COMPLETION DEPTH 80 ft		GROUND ELEVATION 638.56 ft		NOTES											
CAVE DEPTH		BACKFILL		Soil Cuttings											
GROUND WATER LEVELS:															
AT TIME OF DRILLING --- None															
AT END OF DRILLING --- Dry upon completion															
AFTER DRILLING ---															
Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.															
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GEOCON PROFESSIONAL SERVICES		BORING NO. B-02 PAGE 4 OF 4													
CLIENT Robinson Engineering, Ltd.		PROJECT NAME Clavey Road over Skokie River													
PROJECT NUMBER 17-G0411		PROJECT LOCATION Highland Park, Illinois													
DATE COMPLETED 4/18/17		LOGGED BY NJ/GL													
DRILLING METHOD 3.25 in. I.D. HSA															
DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE NUMBER	RECOVERY % (ROD)	BLOW COUNTS (N VALUE)	POCKET PEN. (QP) (lb/ft)	UNC. STRENGTH (QU) (lb/ft)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	ATTERBERG LIMITS
			gray CLAY (A-6) very stiff, moist (continued)	SS 20	78	5-10-11 (21)	2.25	2.0	14.7						
				SS 21	67	10-16-20 (36)	2.5	2.2	14.2						
				SS 22	67	13-18-19 (37)	3.5	2.9	14.8						
				SS 23	67	13-20-26 (40)	3.5	2.9	14.3						
COMPLETION DEPTH 80 ft		GROUND ELEVATION 638.56 ft		NOTES											
CAVE DEPTH		BACKFILL		Soil Cuttings											
GROUND WATER LEVELS:															
AT TIME OF DRILLING --- None															
AT END OF DRILLING --- Dry upon completion															
AFTER DRILLING ---															
Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.															
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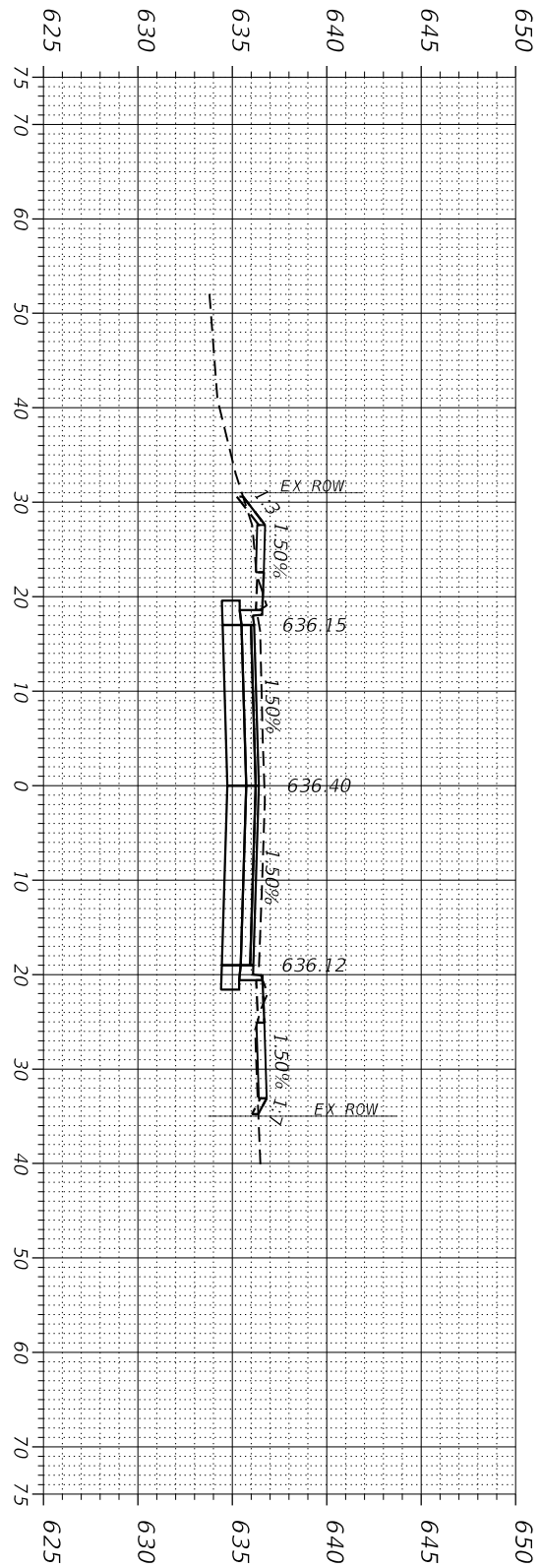
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CITY OF HIGHLAND PARK

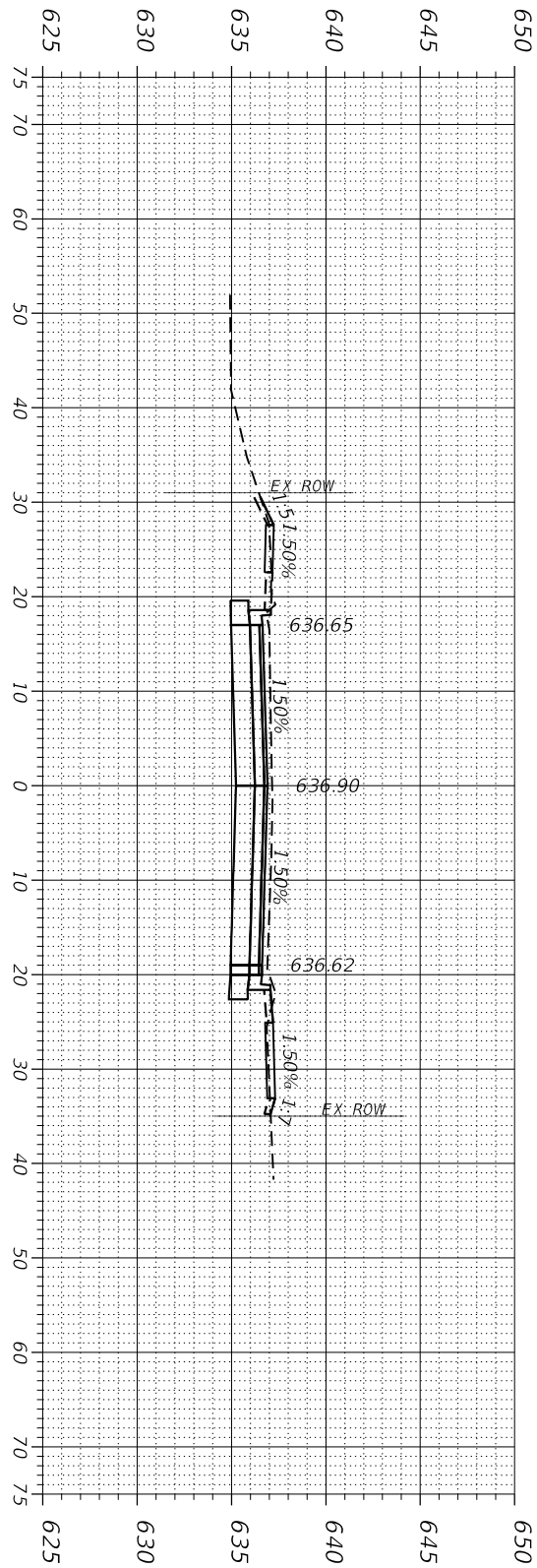
SOIL BORING LOGS 2
STRUCTURE NO. 049-6585

SHEET S-28 OF S-28 SHEETS

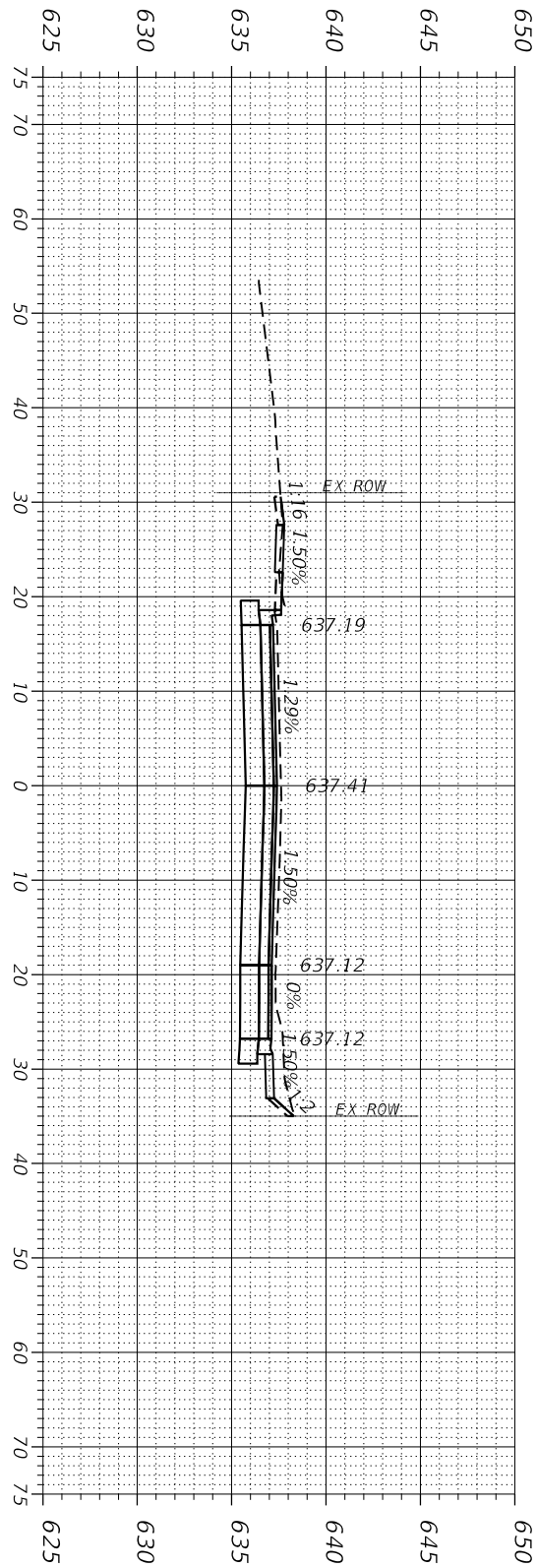
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



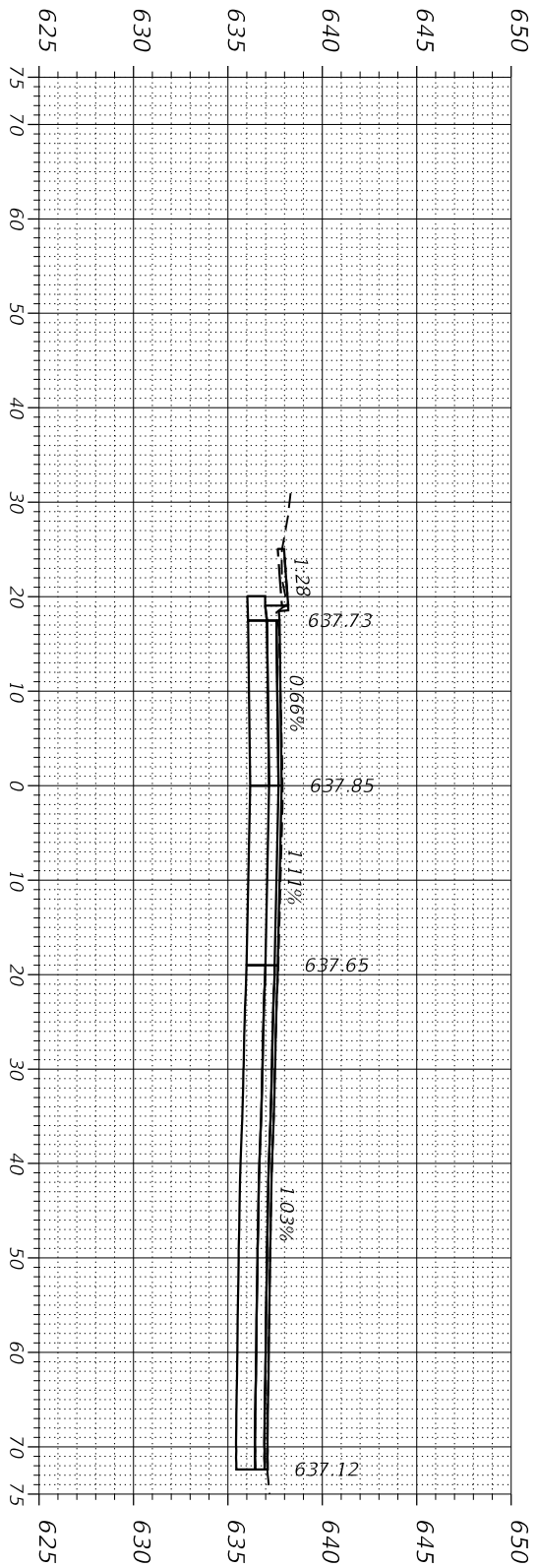
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14 + 00.00
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 F = 3.19 Sq. Ft.



13 + 50.00
 C = 72.90 Sq. Ft.
 F = 1.41 Sq. Ft.



13 + 05.80
 AHEAD ONLY
 C = 105.58 Sq. Ft.
 F = 2.62 Sq. Ft.

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

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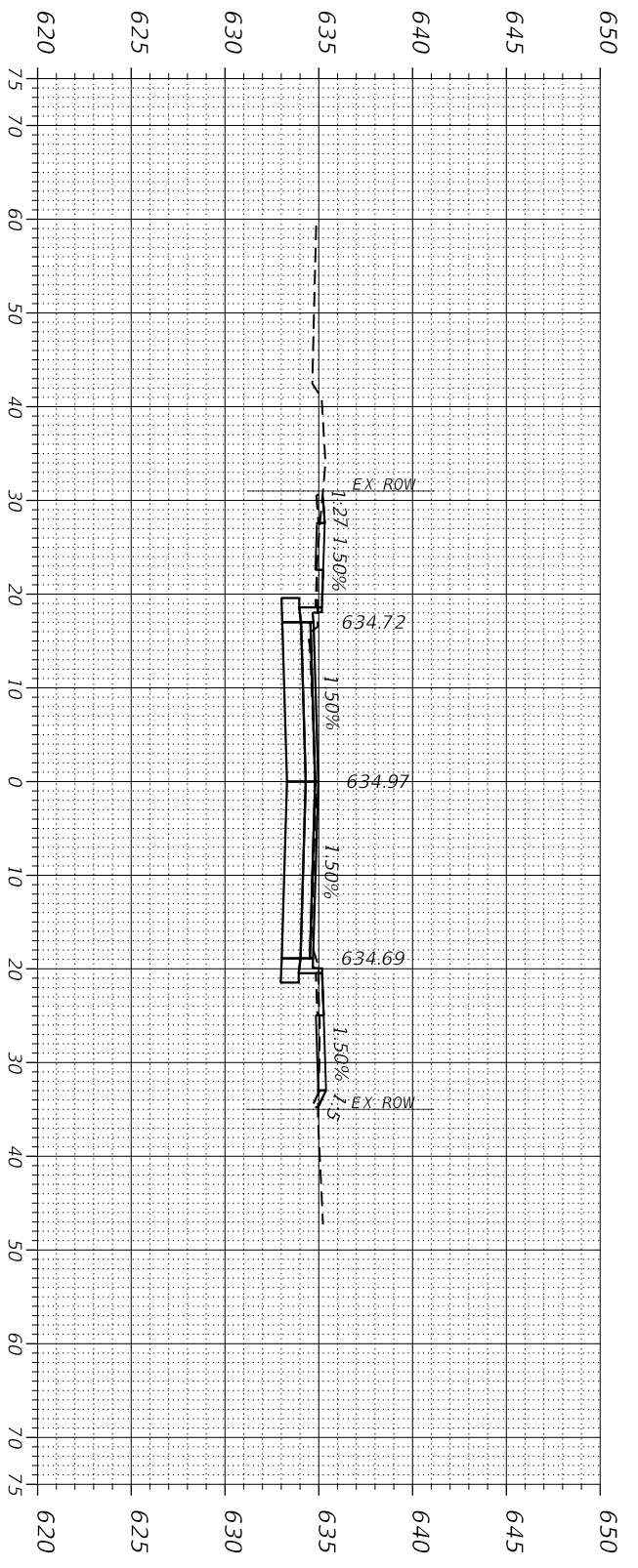
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

**CITY OF
 HIGHLAND PARK**

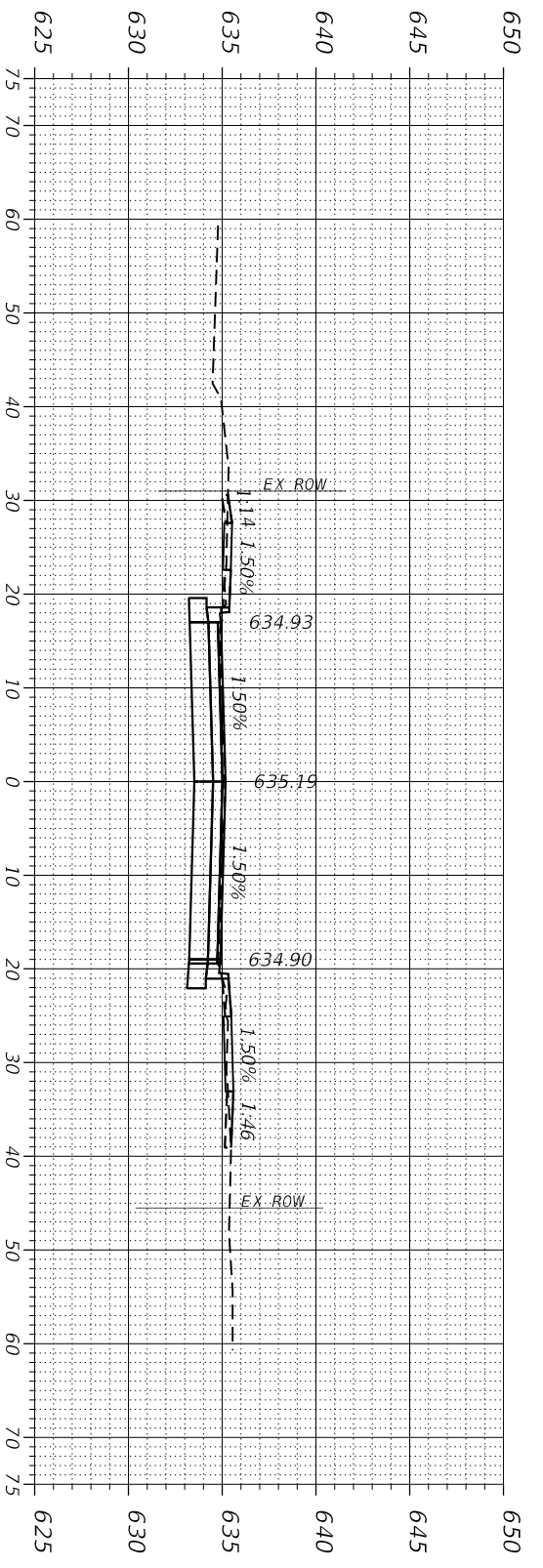
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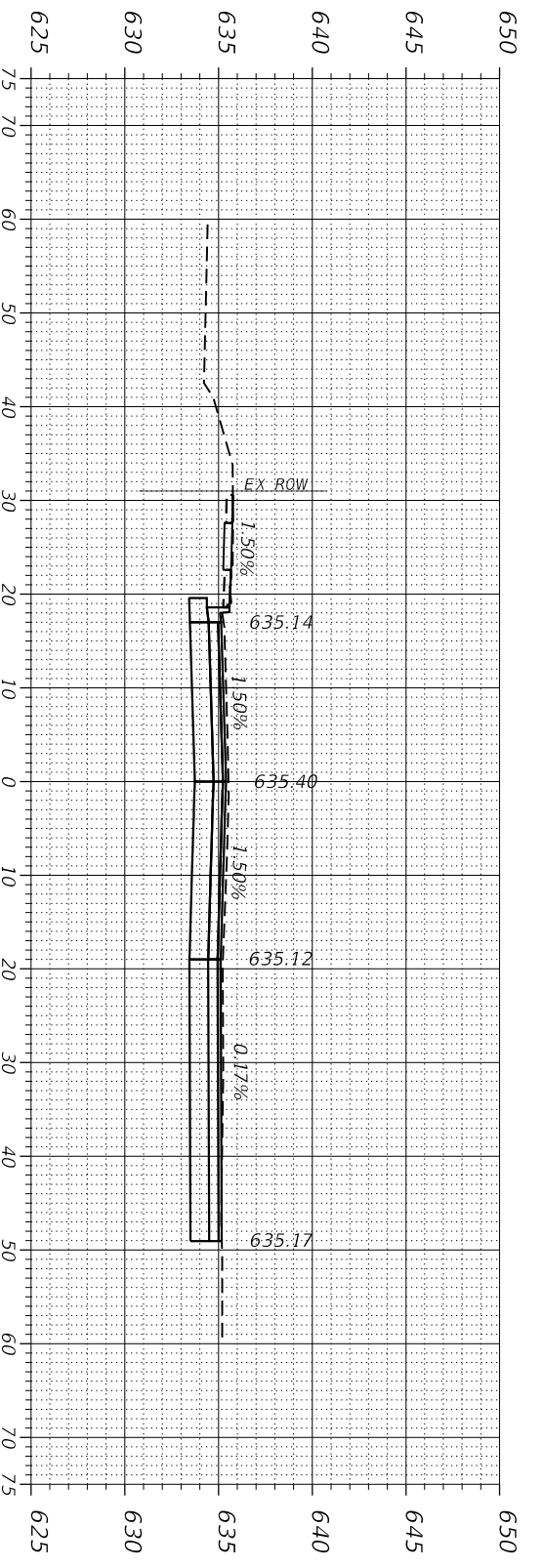
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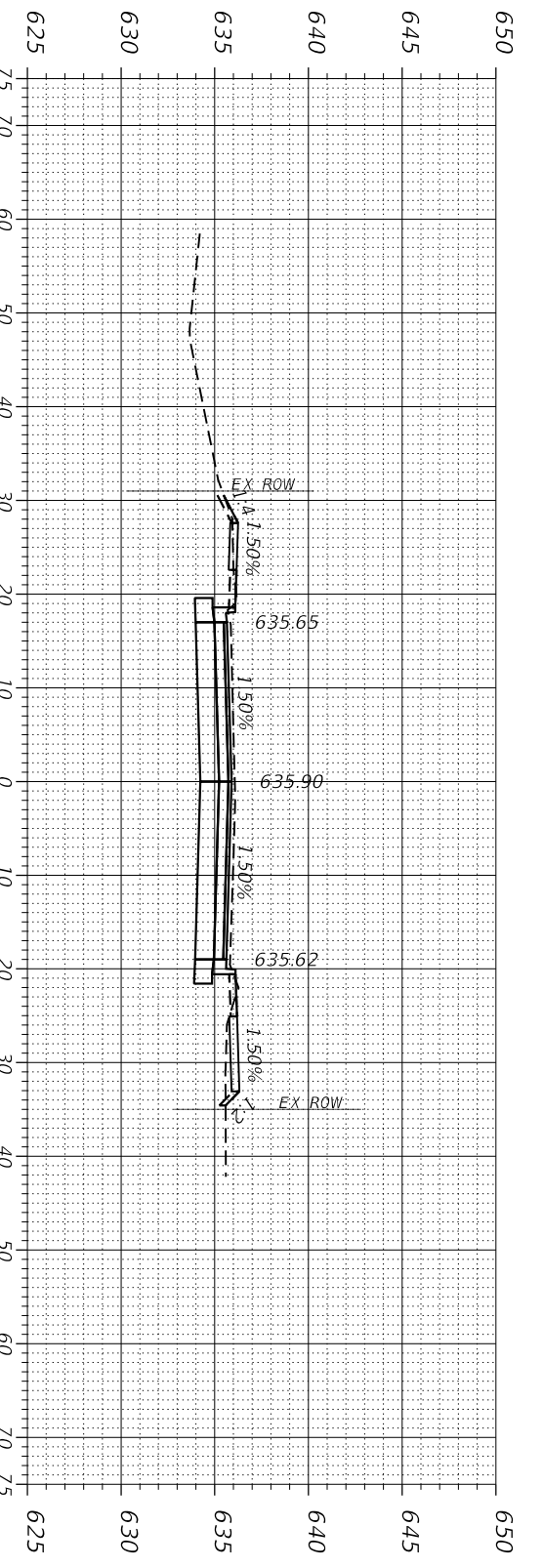
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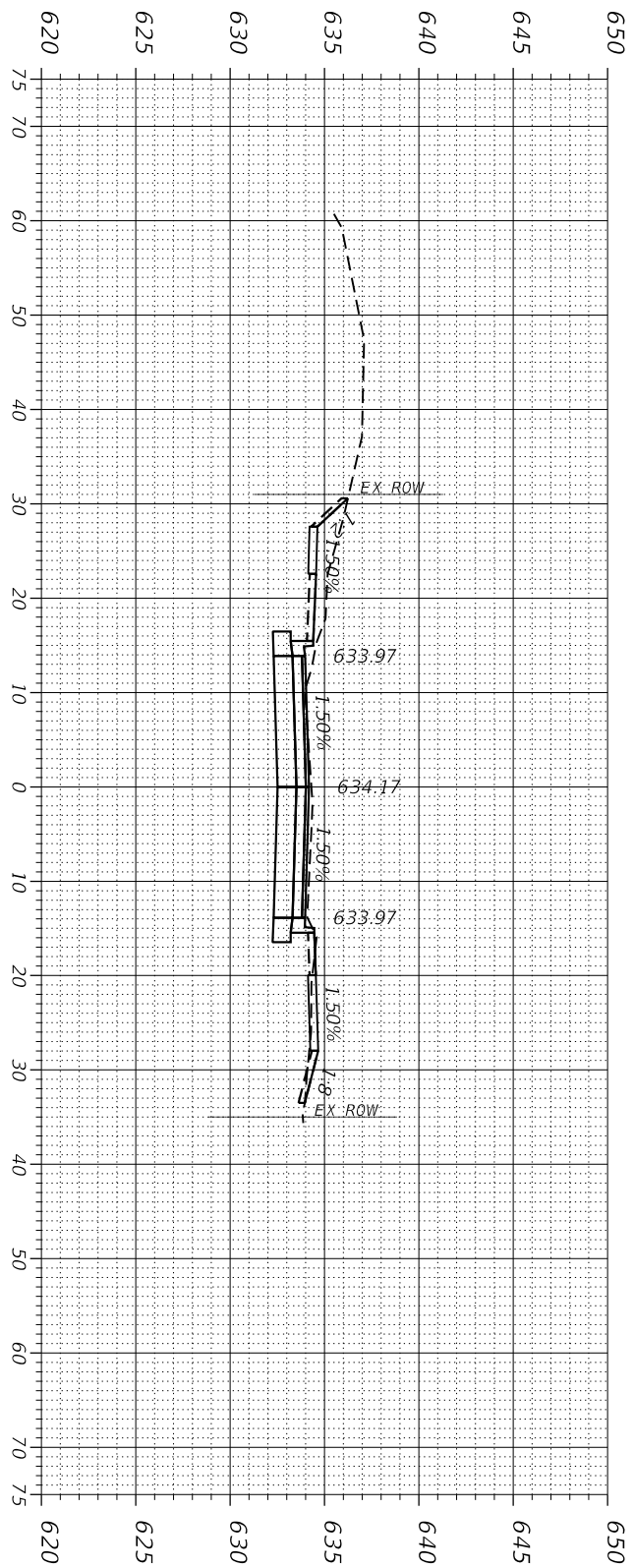
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CROSS SECTIONS		1265	15-00125-00-PV	LAKE	153	125
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STA.	TO STA.					

**CITY OF
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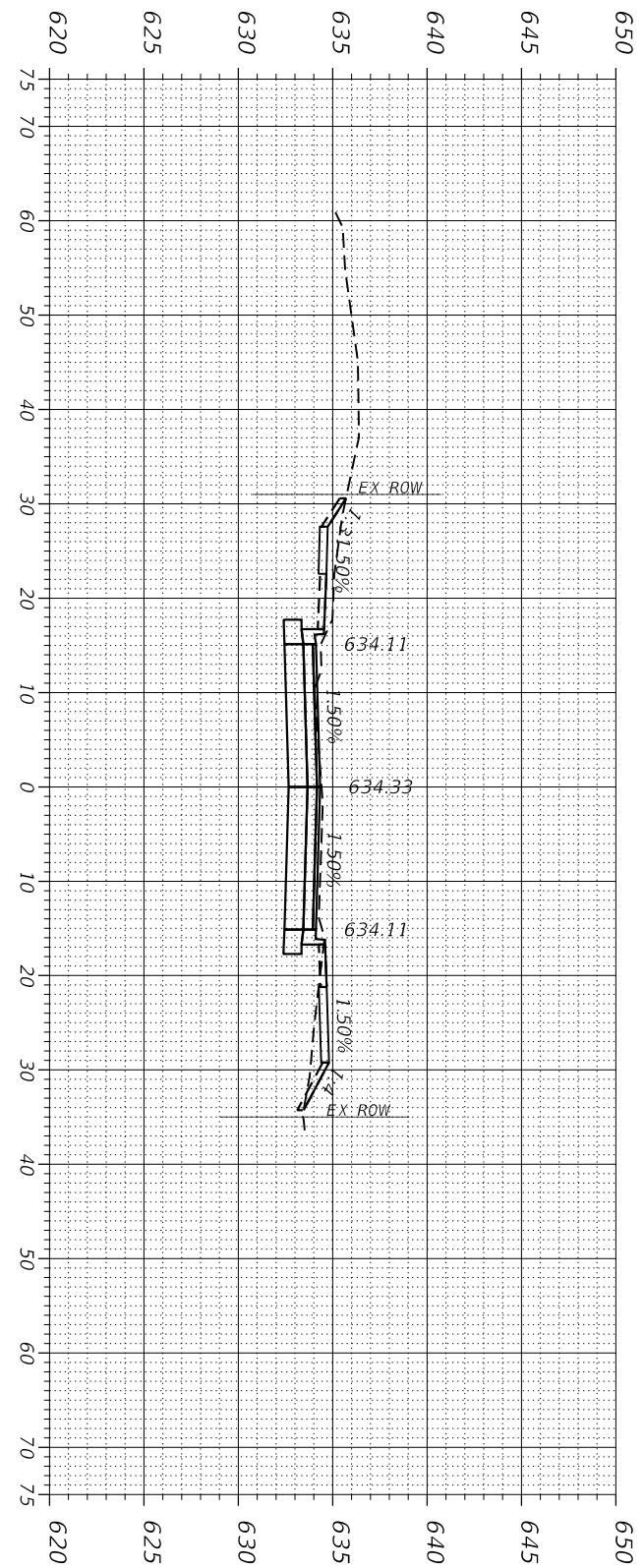
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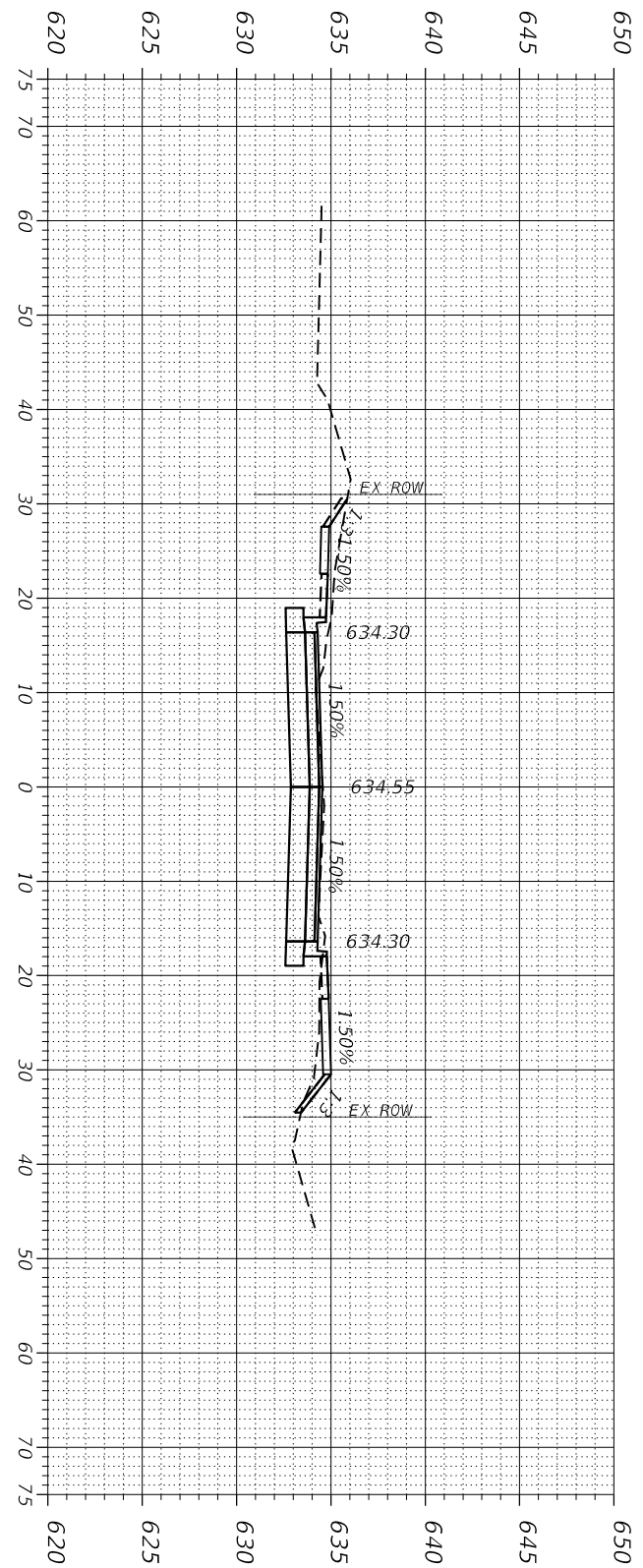
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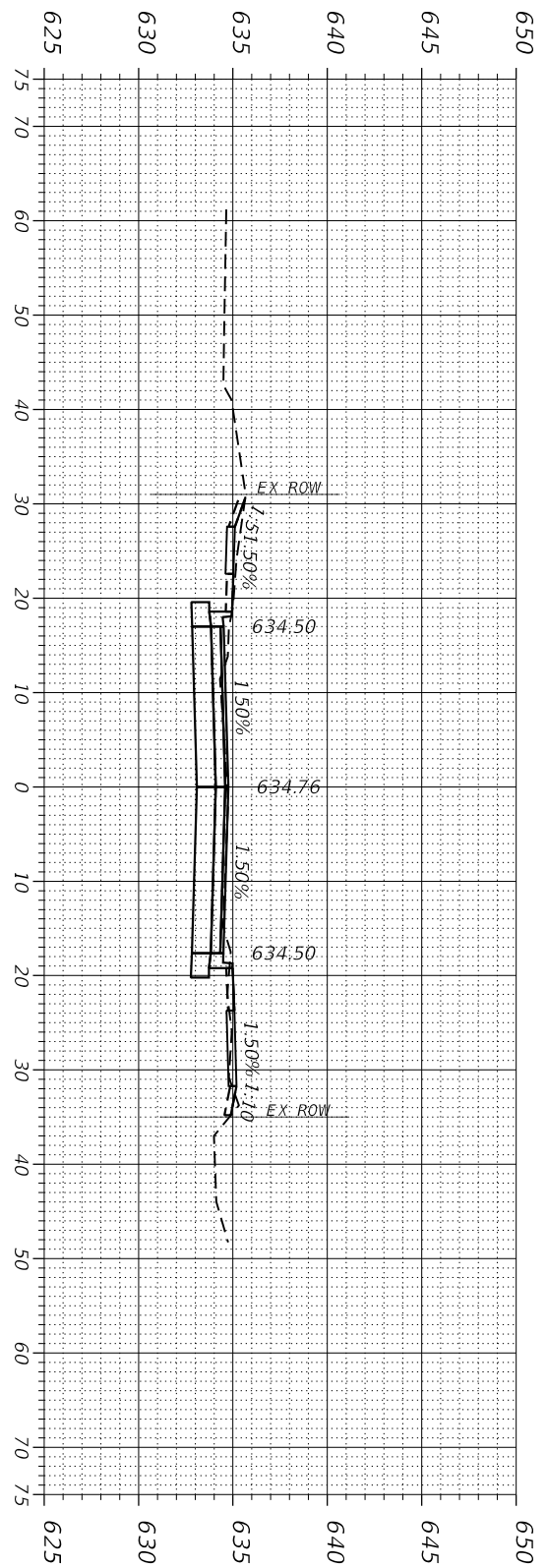
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17 + 50.00
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17 + 00.00
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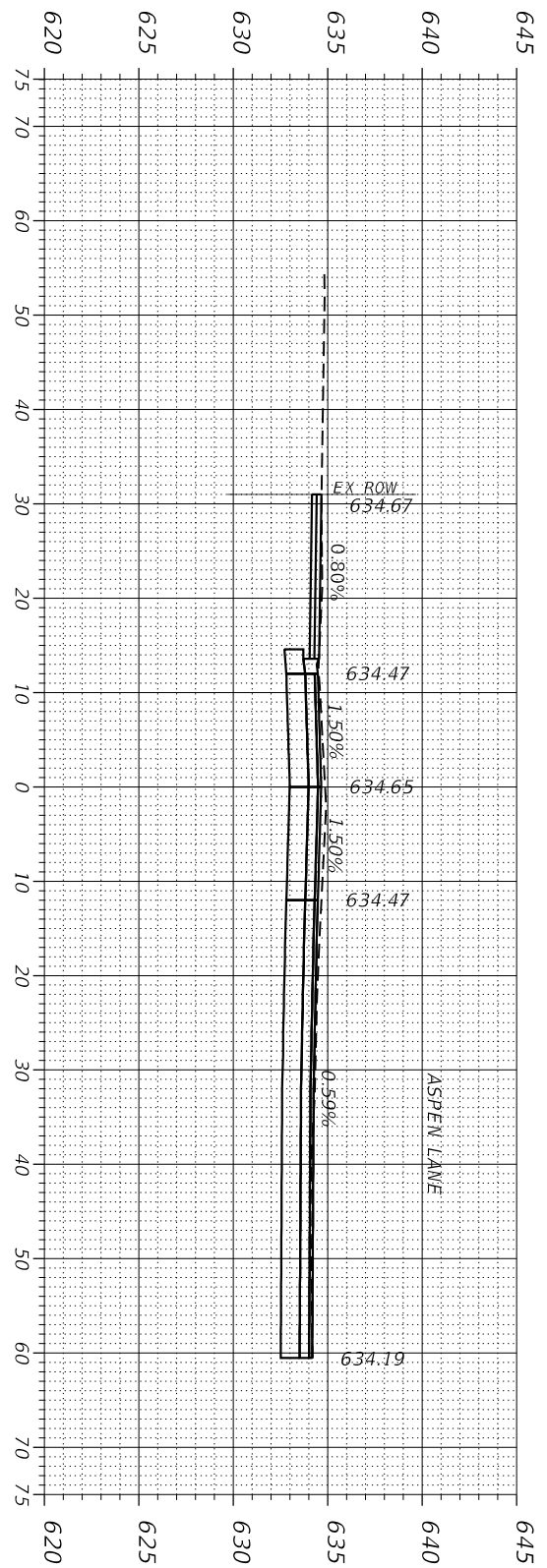
**CITY OF
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**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

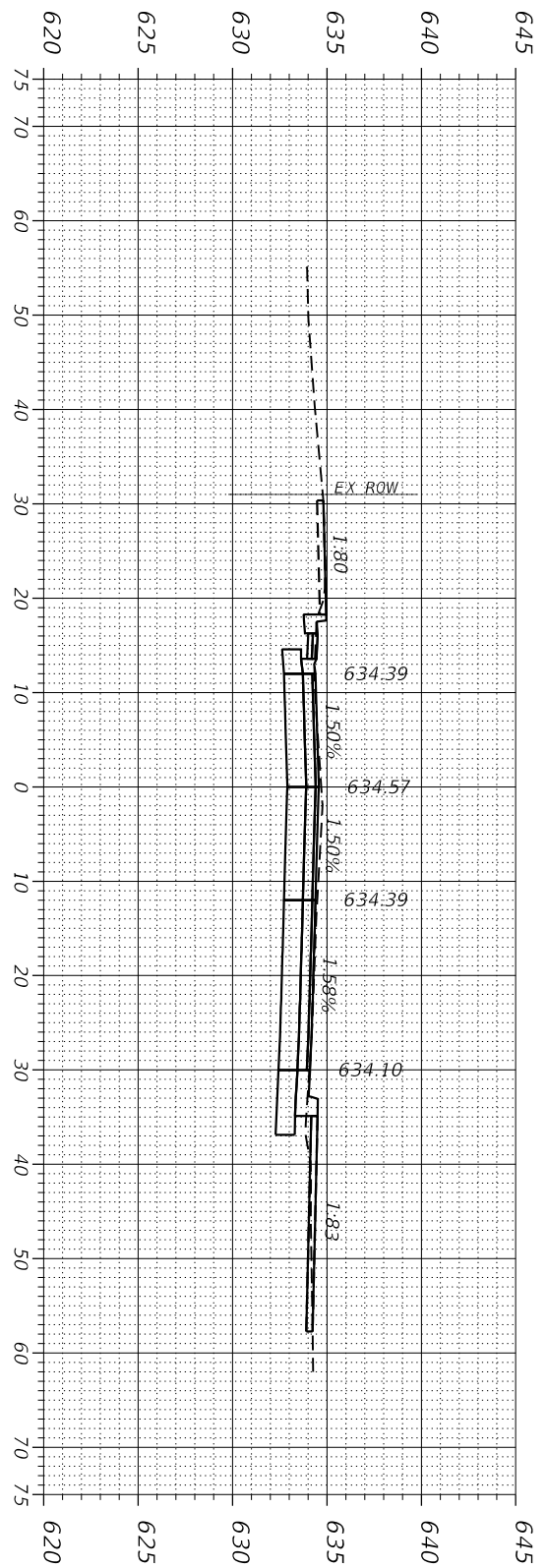
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

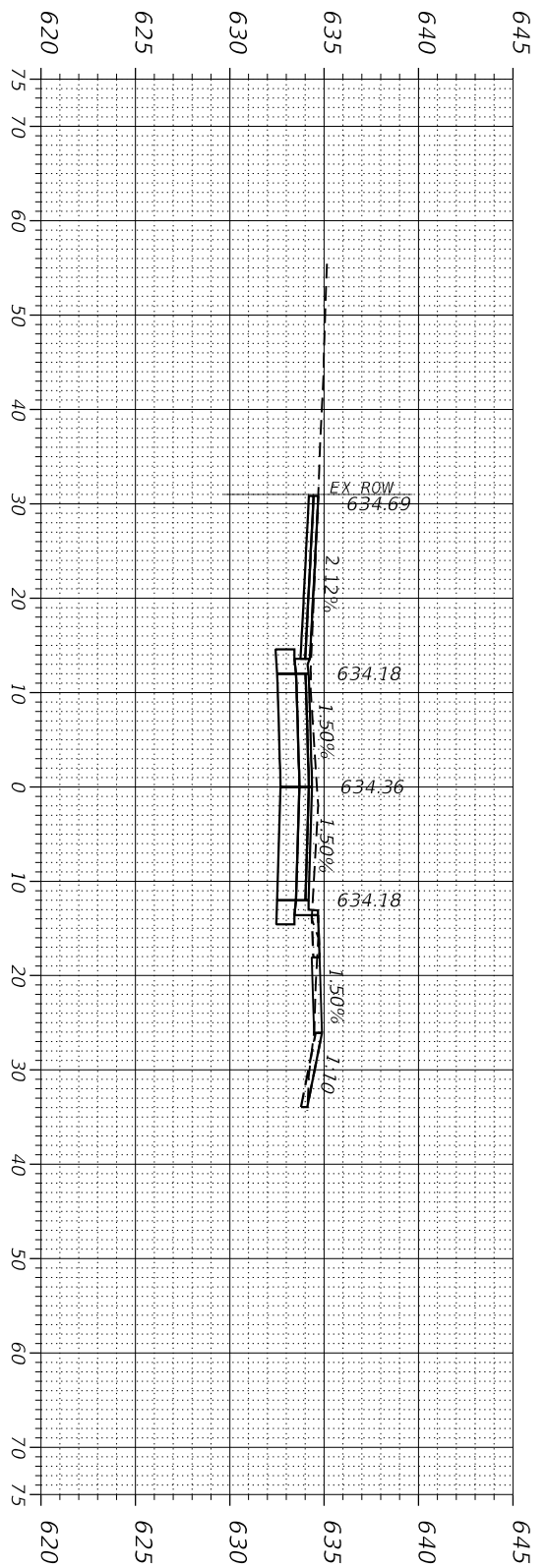
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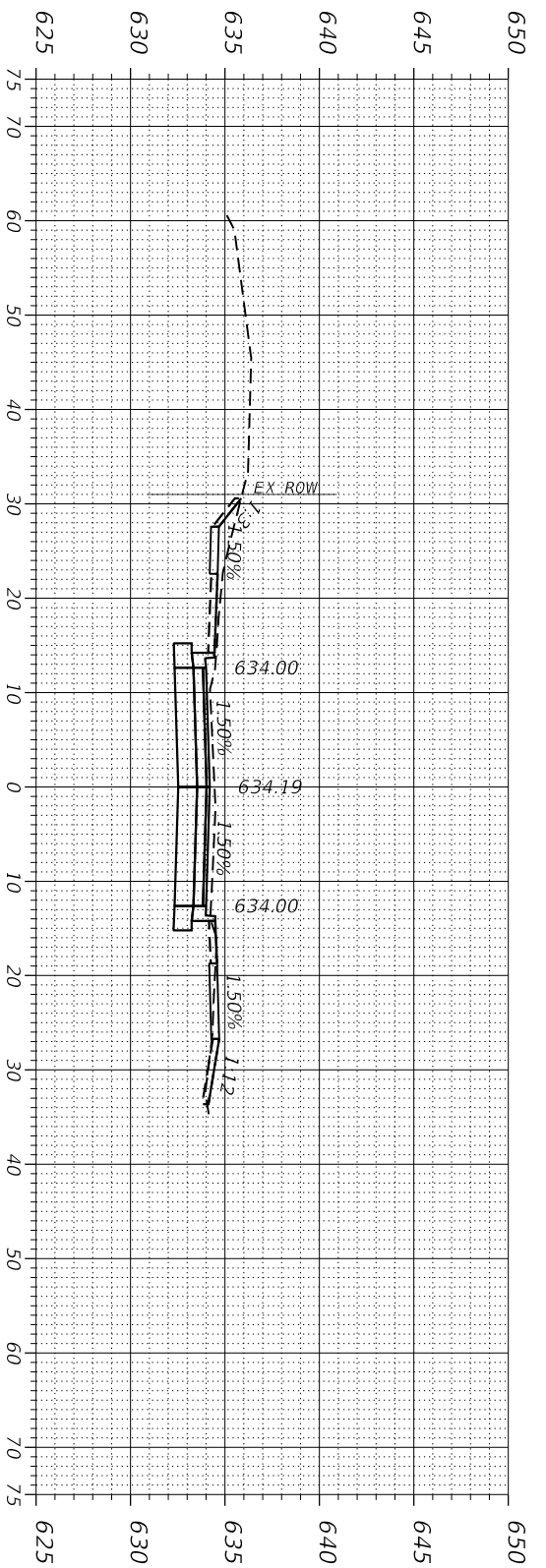
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19 + 50.00
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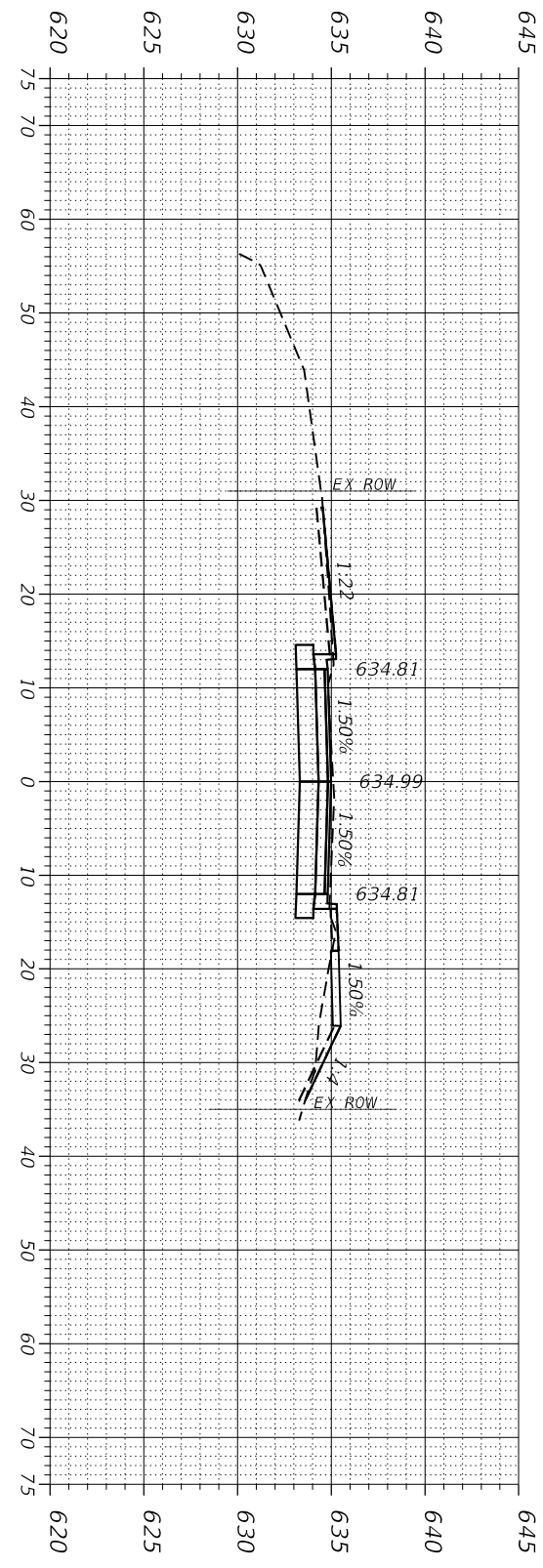
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CROSS SECTIONS		SCALE: _____		SHEET NO. 4 OF 30 SHEETS		CONTRACT NO. _____
		STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT		

CITY OF
 HIGHLAND PARK

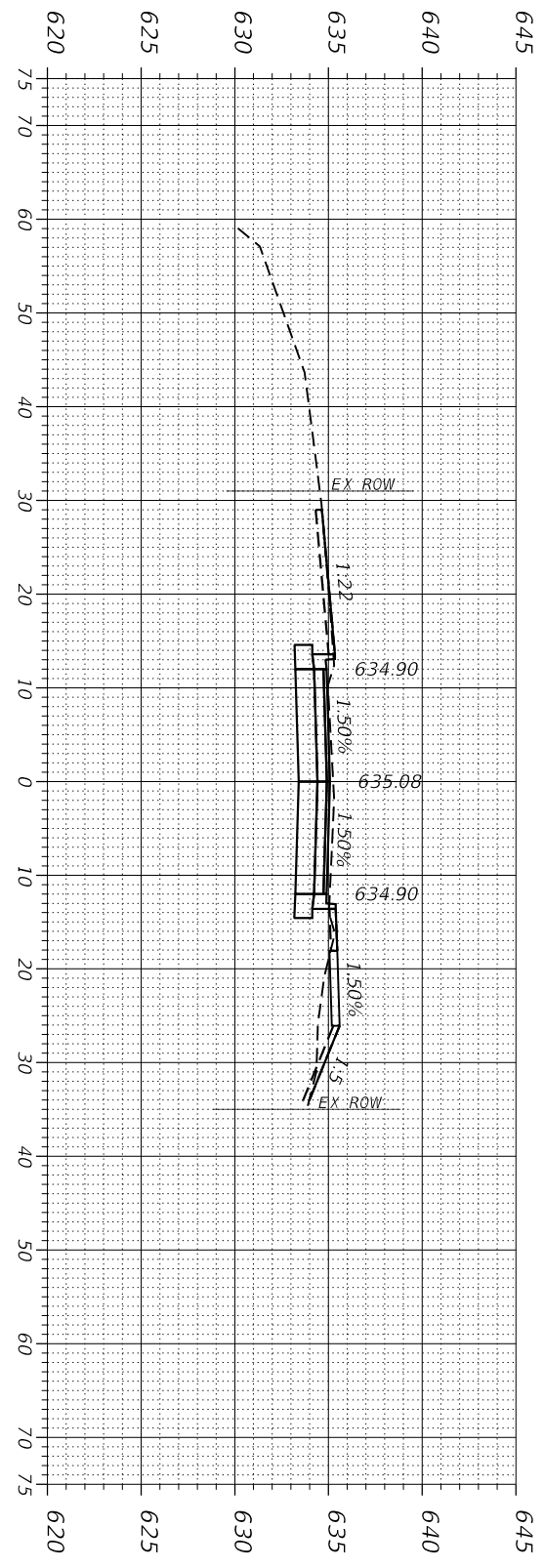
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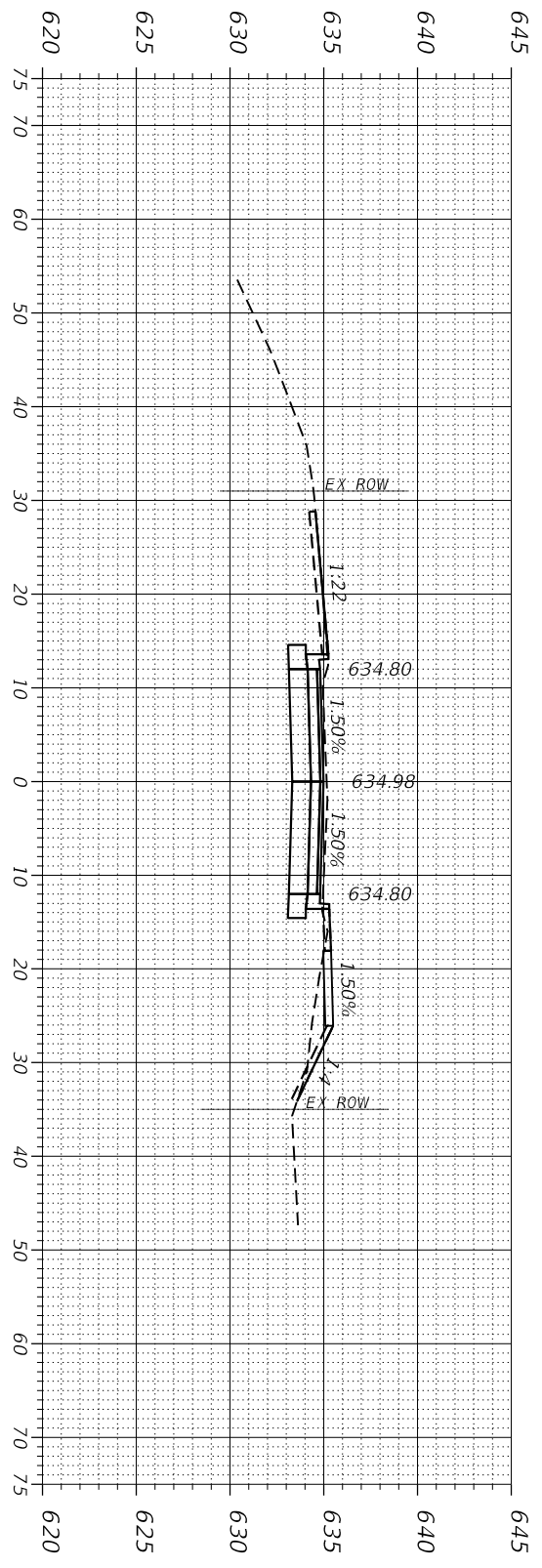
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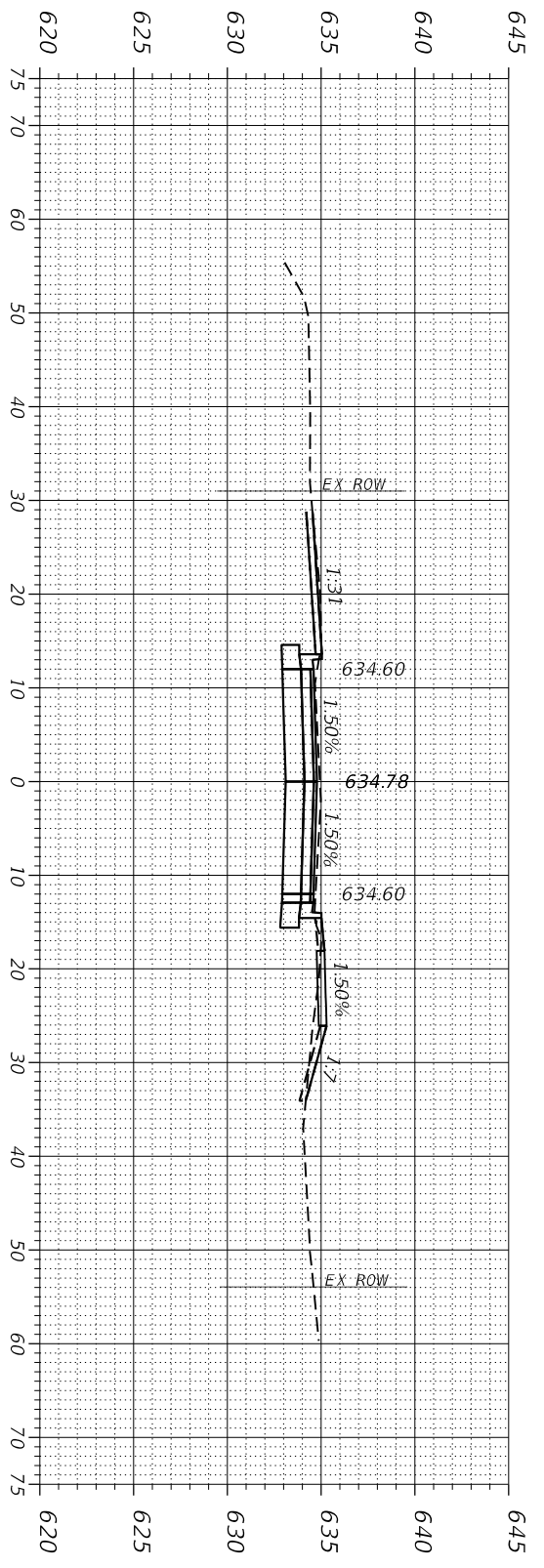
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21 + 50.00
 C = 43.47 Sq. Ft.
 F = 9.30 Sq. Ft.



21 + 00.00
 C = 43.55 Sq. Ft.
 F = 8.80 Sq. Ft.



20 + 50.00
 C = 42.46 Sq. Ft.
 F = 7.02 Sq. Ft.

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

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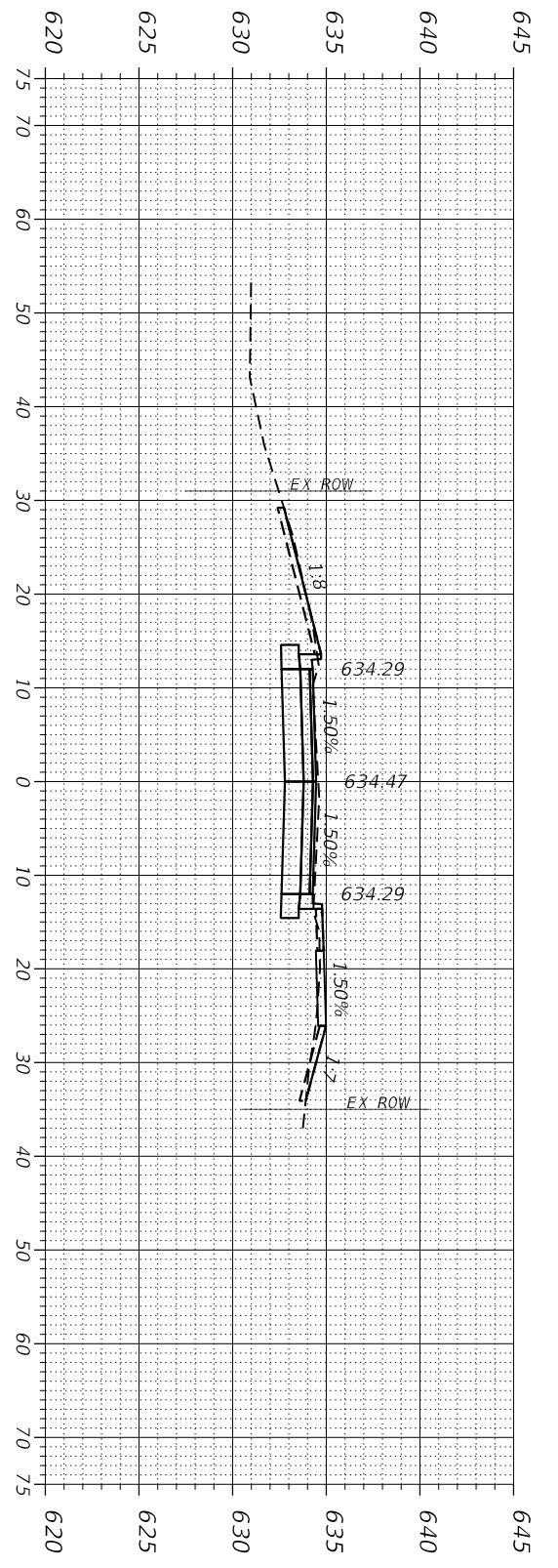
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CONTRACT NO.			ILLINOIS FED. AID PROJECT	

**CITY OF
 HIGHLAND PARK**

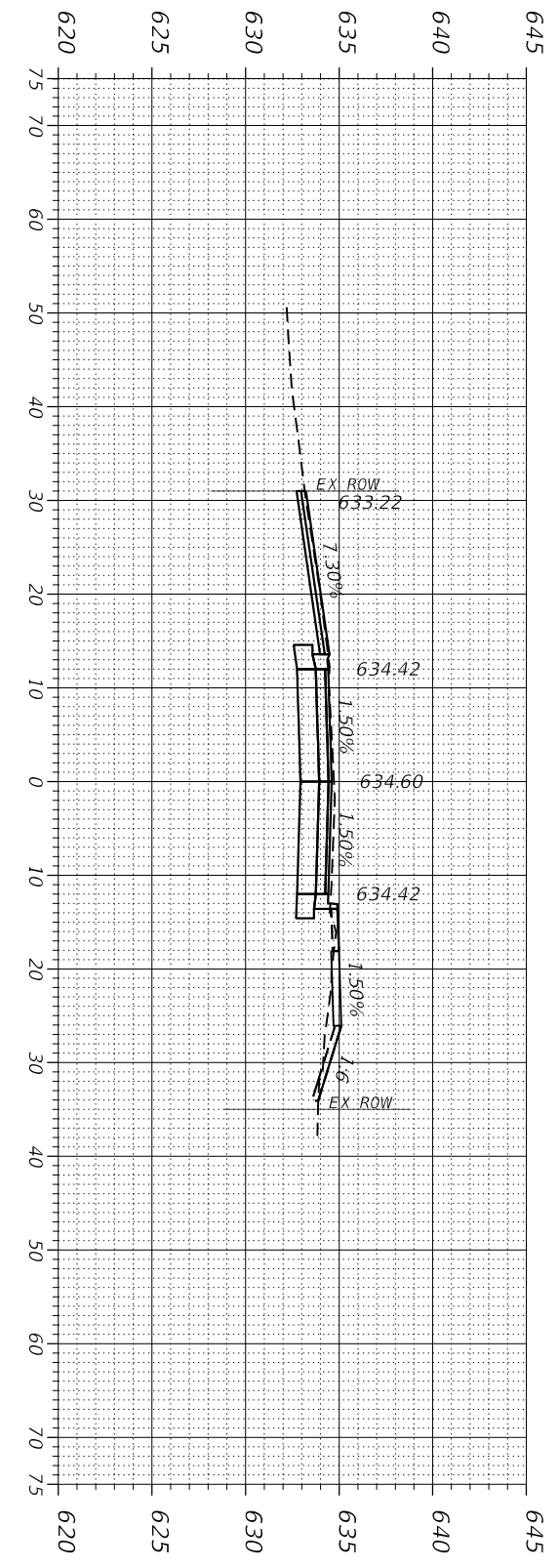
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	DATE - 2/26/2020	REVISED -

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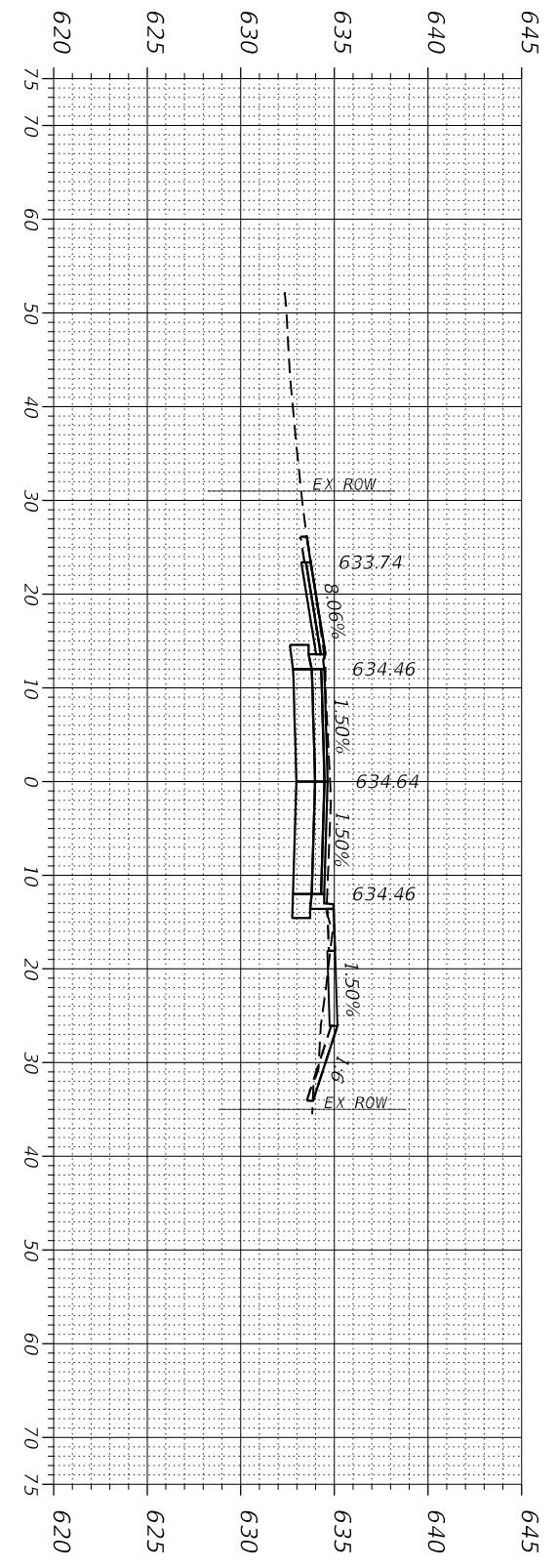
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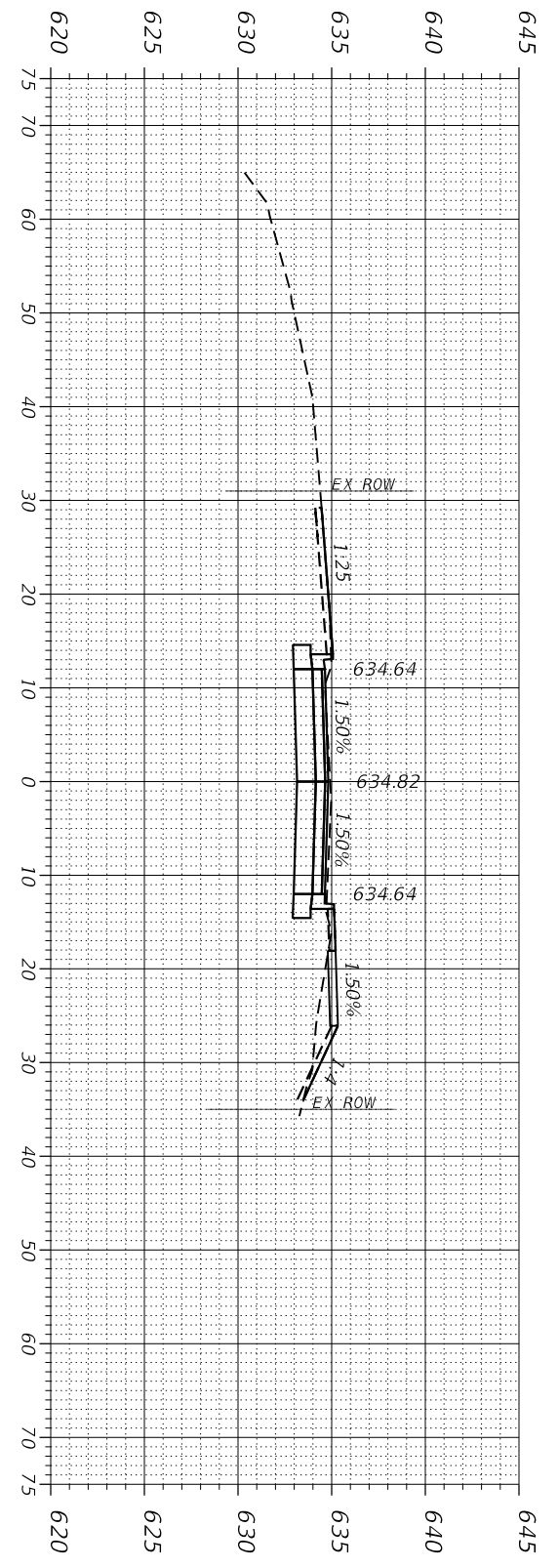
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23 + 00.00
 C = 36.95 Sq. Ft.
 F = 10.79 Sq. Ft.



22 + 50.00
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**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

SCALE: SHEET NO. 6 OF 30 SHEETS STA. TO STA.

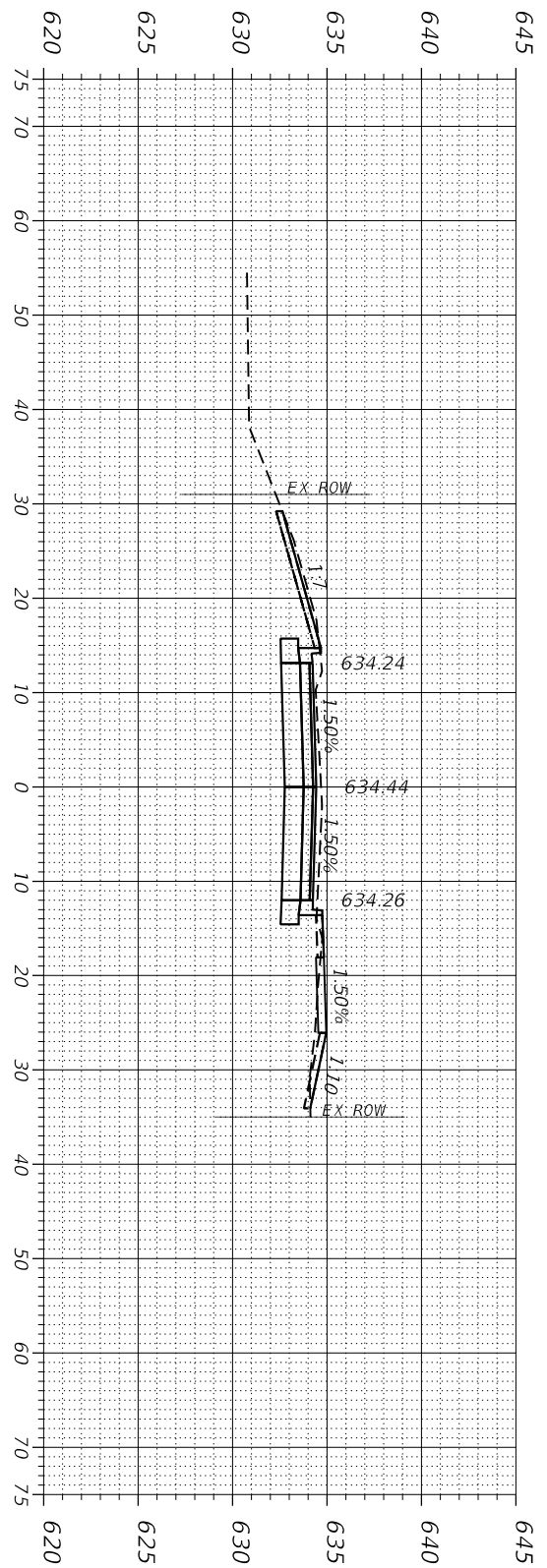
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	129
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

**CITY OF
 HIGHLAND PARK**

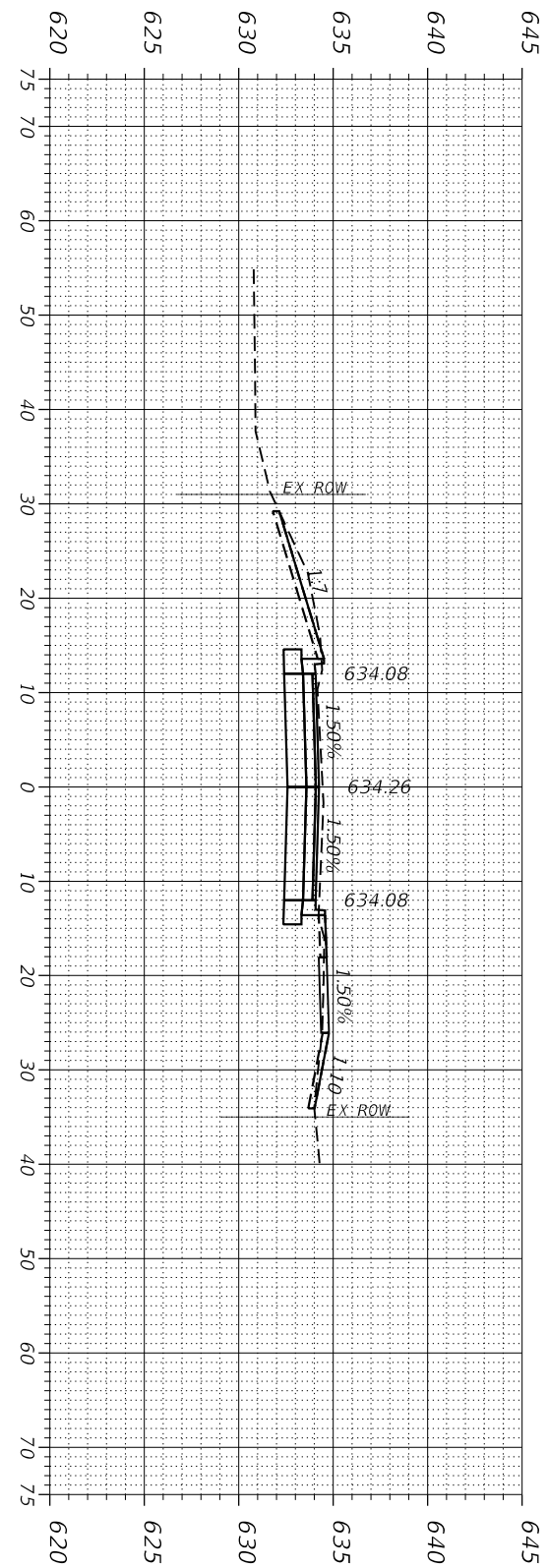
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	DATE - 2/26/2020	REVISED -

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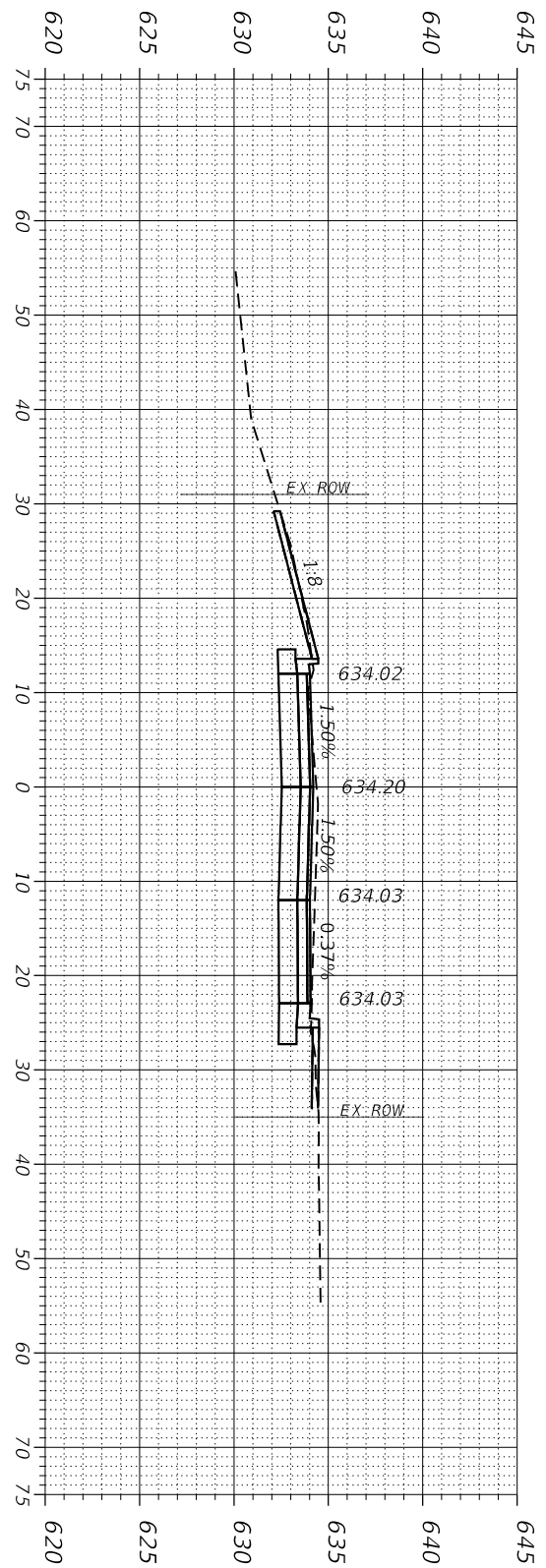
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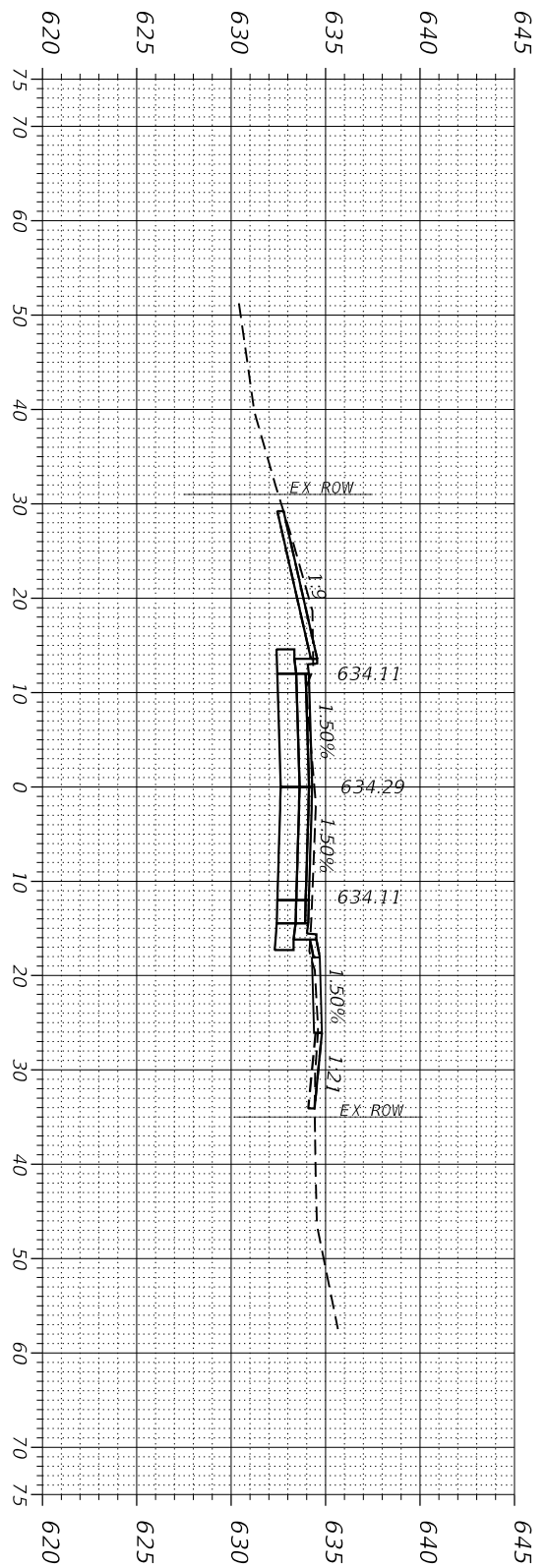
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24 + 50.00
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24 + 00.00
 C = 47.39 Sq. Ft.
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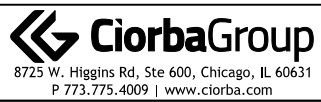
**CITY OF
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**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

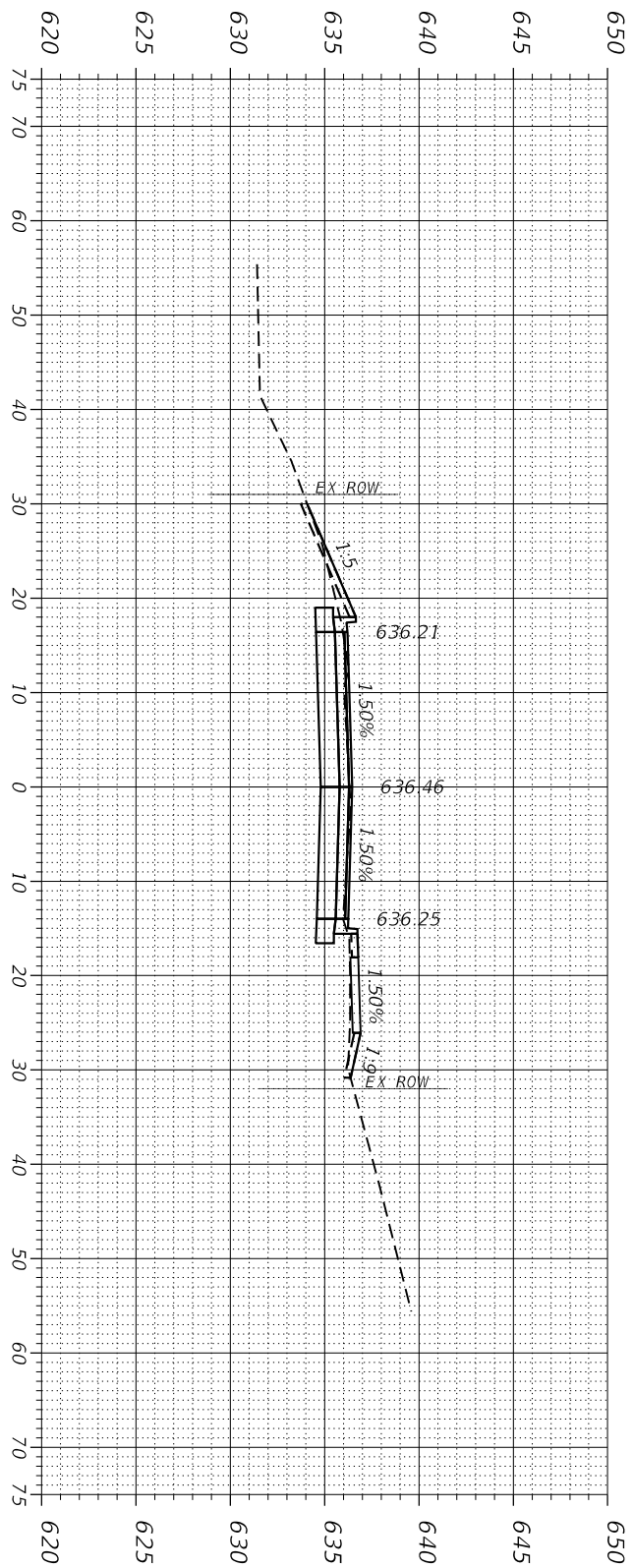
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FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 130
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

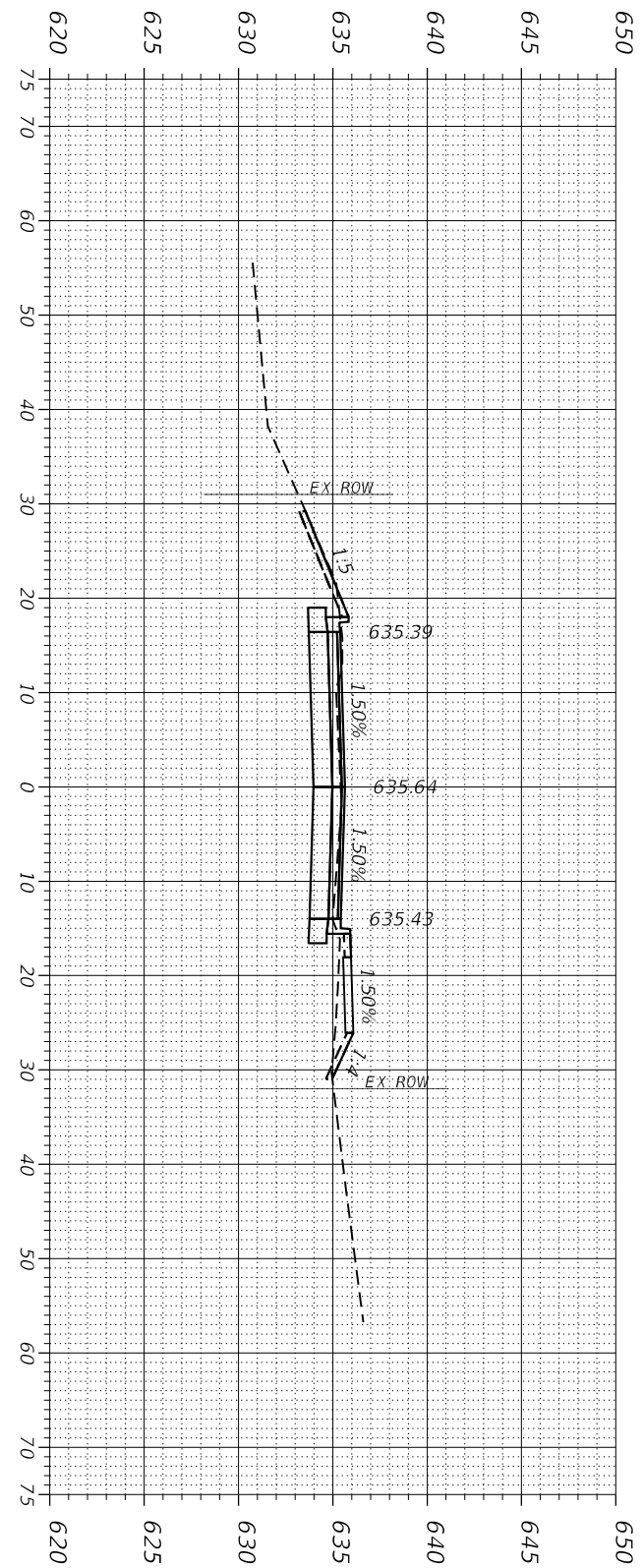
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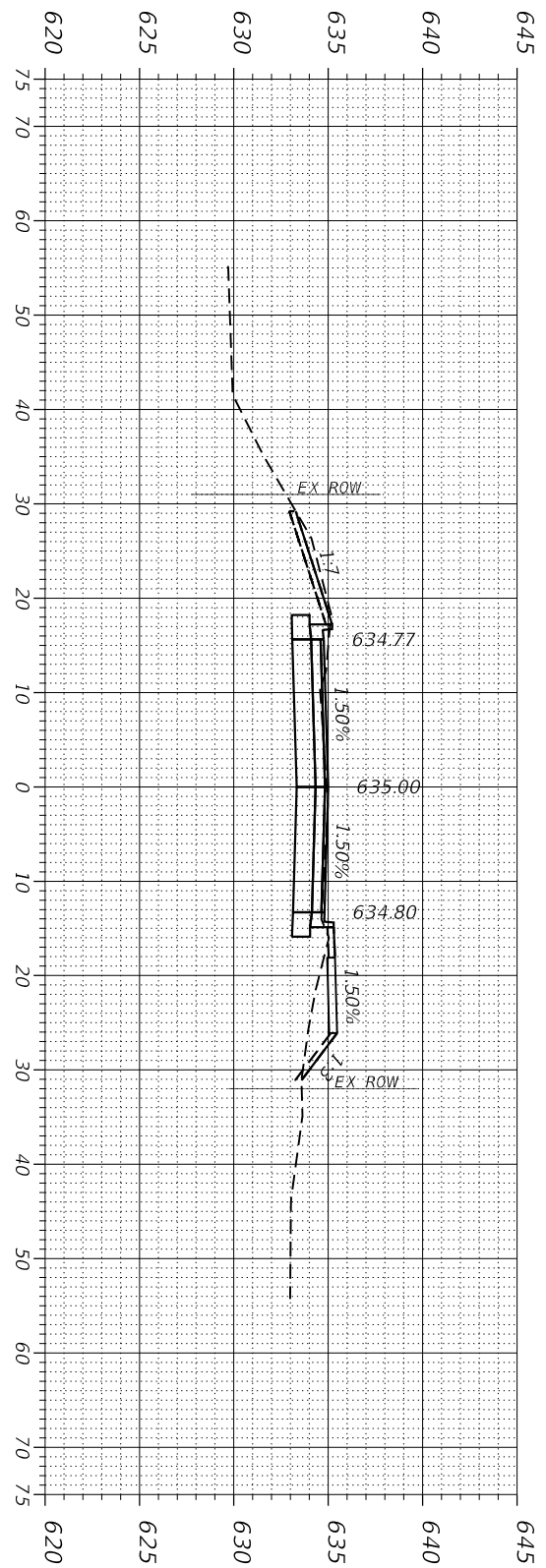
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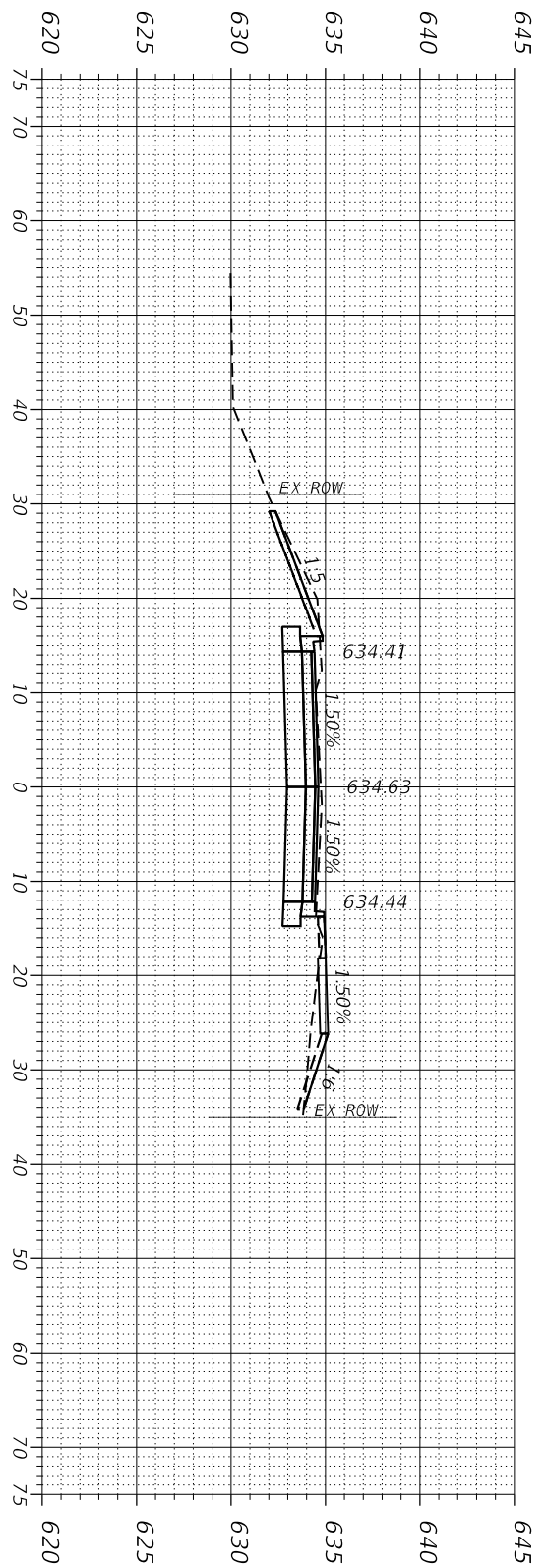
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27 + 00.00
 C = 38.54 Sq. Ft.
 F = 10.25 Sq. Ft.



26 + 50.00
 C = 44.62 Sq. Ft.
 F = 14.46 Sq. Ft.



26 + 00.00
 C = 49.22 Sq. Ft.
 F = 10.36 Sq. Ft.

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 FILE NAME =



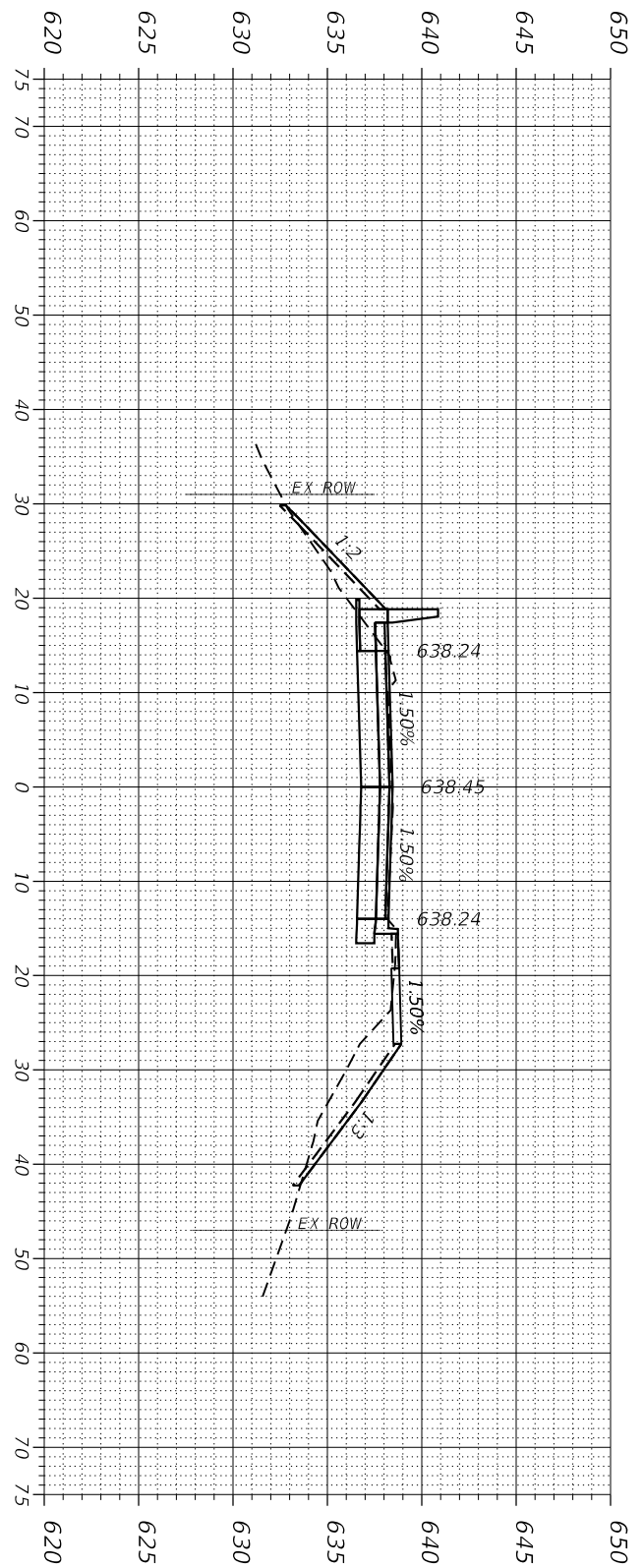
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
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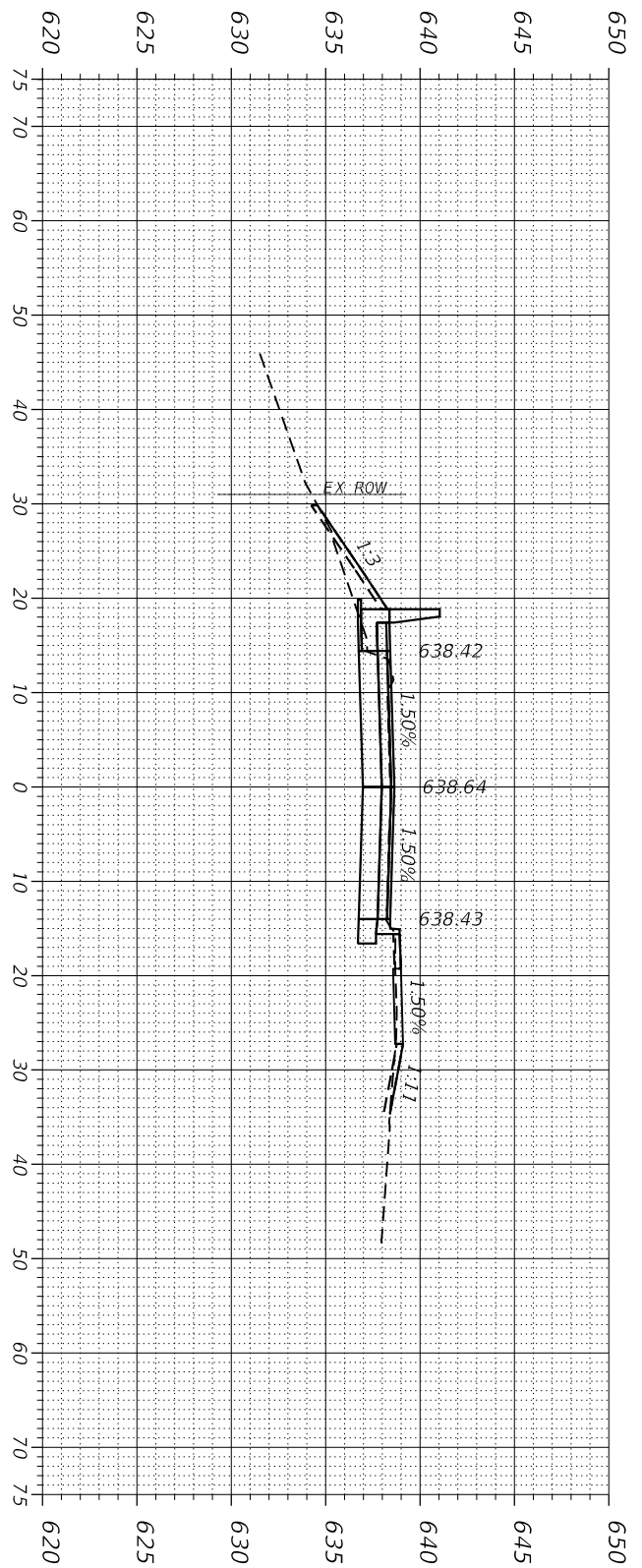
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

SCALE: SHEET NO. 8 OF 30 SHEETS STA. TO STA.

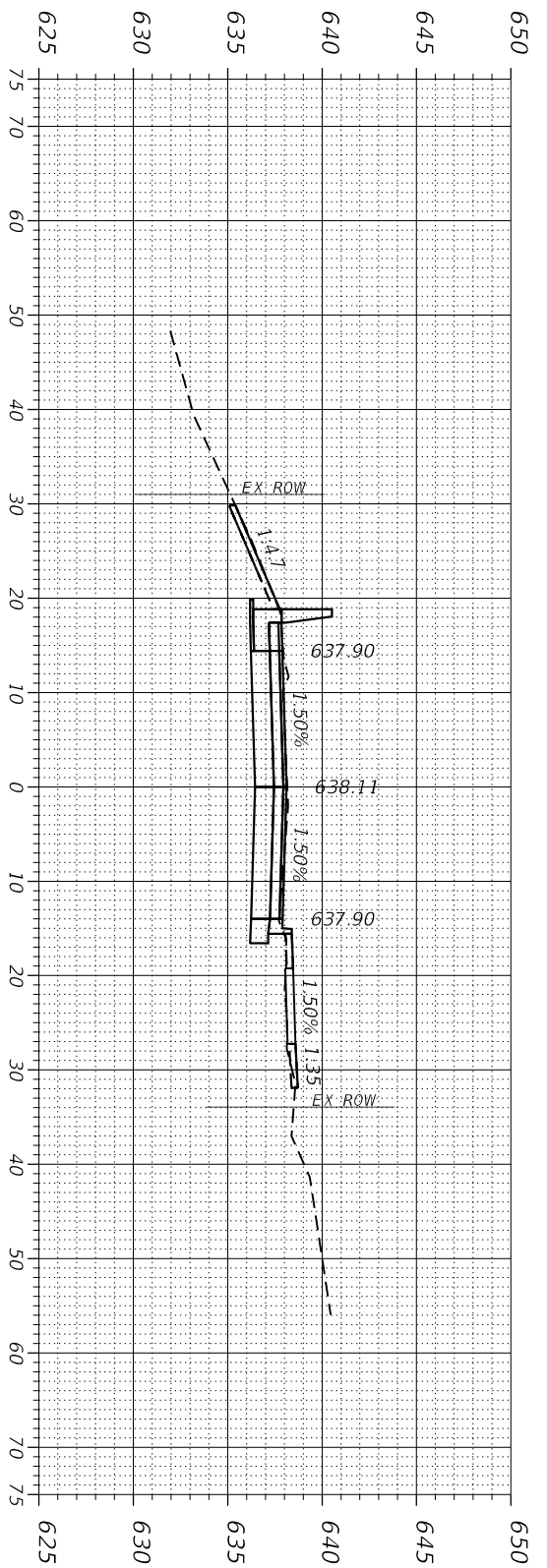
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	131
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



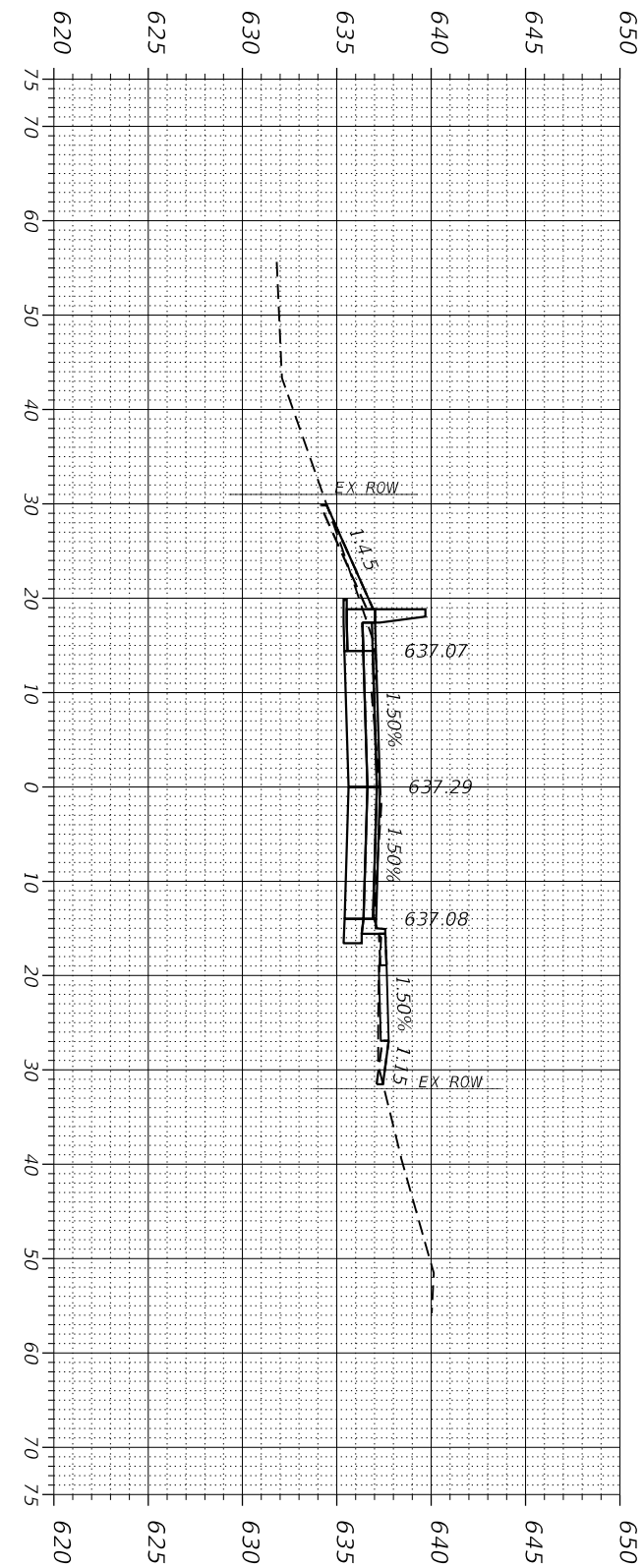
30 + 07.64
AHEAD ONLY
 C = 43.36 Sq. Ft.
 F = 29.84 Sq. Ft.



28 + 81.64
BACK ONLY
 C = 34.69 Sq. Ft.
 F = 8.24 Sq. Ft.



28 + 50.00
 C = 44.61 Sq. Ft.
 F = 0.74 Sq. Ft.



28 + 00.00
 C = 42.01 Sq. Ft.
 F = 7.94 Sq. Ft.

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
CROSS SECTIONS

SCALE: SHEET NO. 9 OF 30 SHEETS STA. TO STA.

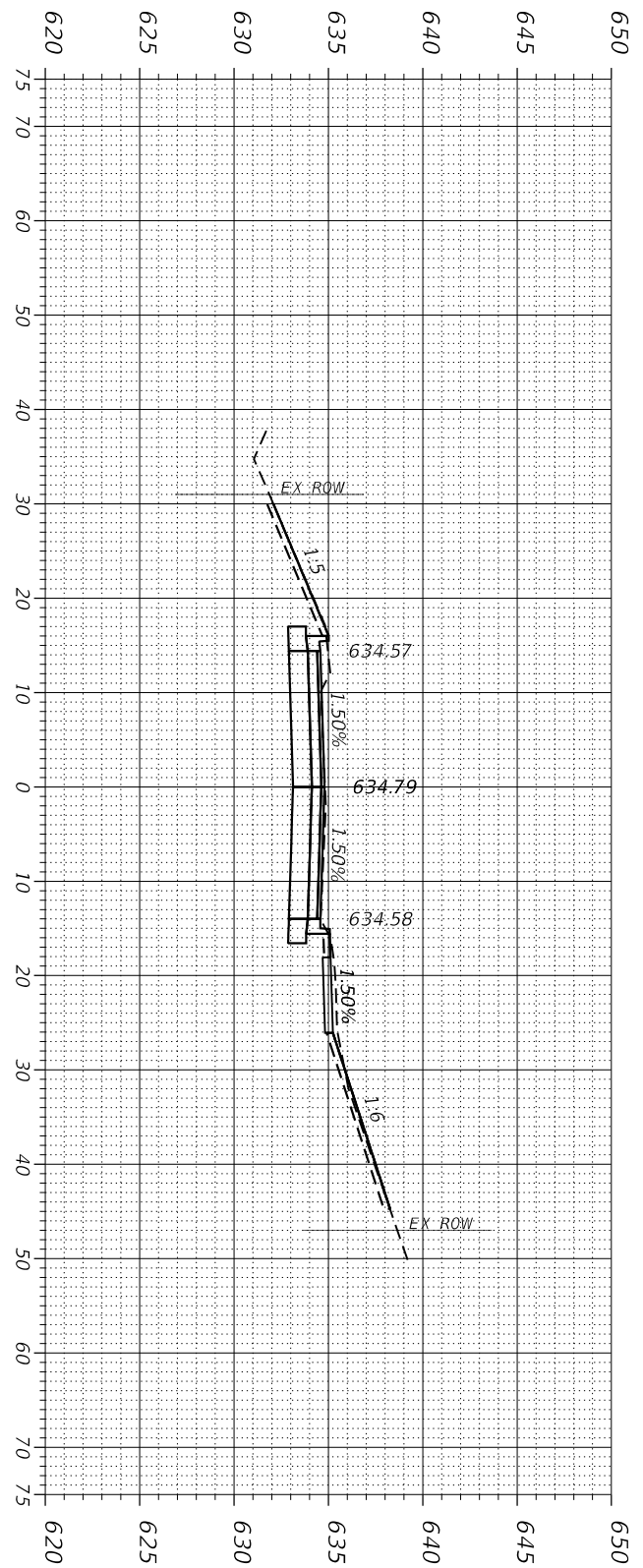
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	132
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

**CITY OF
 HIGHLAND PARK**

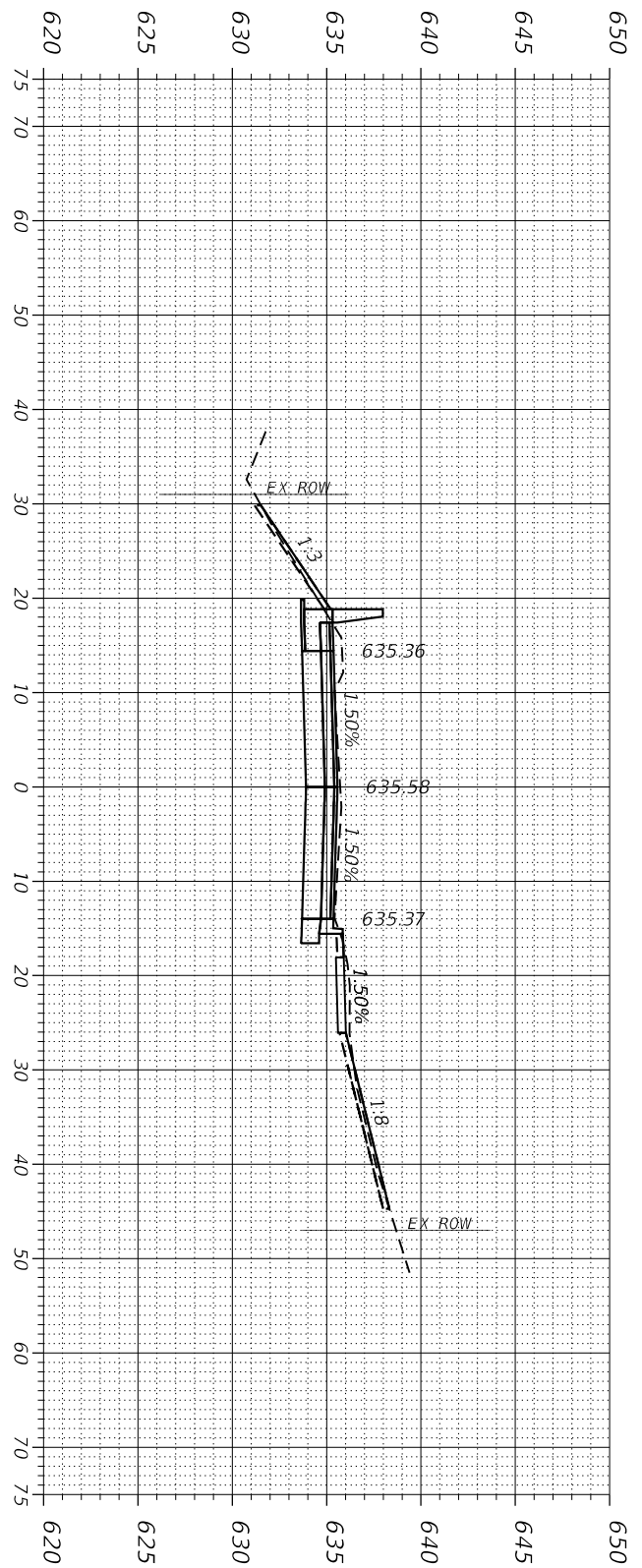
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

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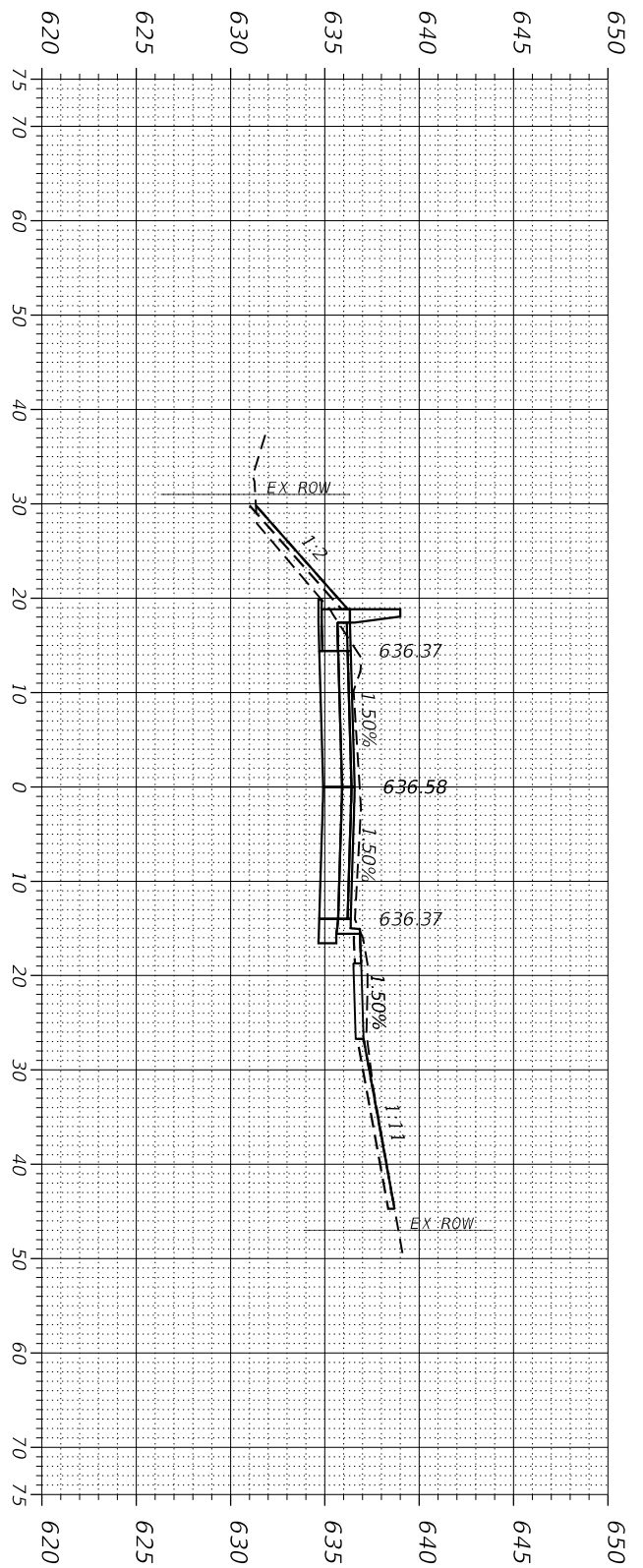
DATE PLOTTED = 2/26/2020 12:36:09 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



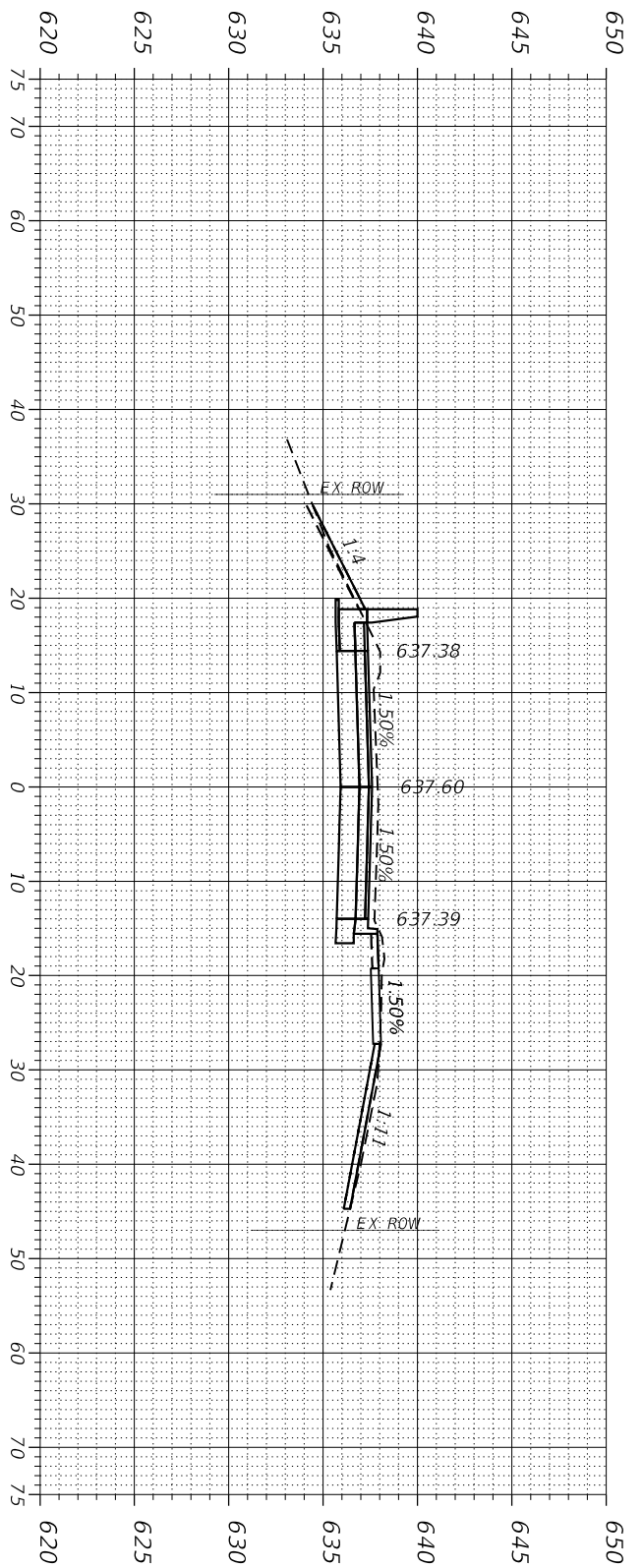
32 + 00.00
 C = 55.05 Sq. Ft.
 F = 0.28 Sq. Ft.



31 + 50.00
 C = 56.21 Sq. Ft.
 F = 0.40 Sq. Ft.



31 + 00.00
 C = 59.23 Sq. Ft.
 F = 5.50 Sq. Ft.



30 + 50.00
 C = 65.11 Sq. Ft.
 F = 0.24 Sq. Ft.

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
CROSS SECTIONS

SCALE: SHEET NO. 10 OF 30 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	133
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

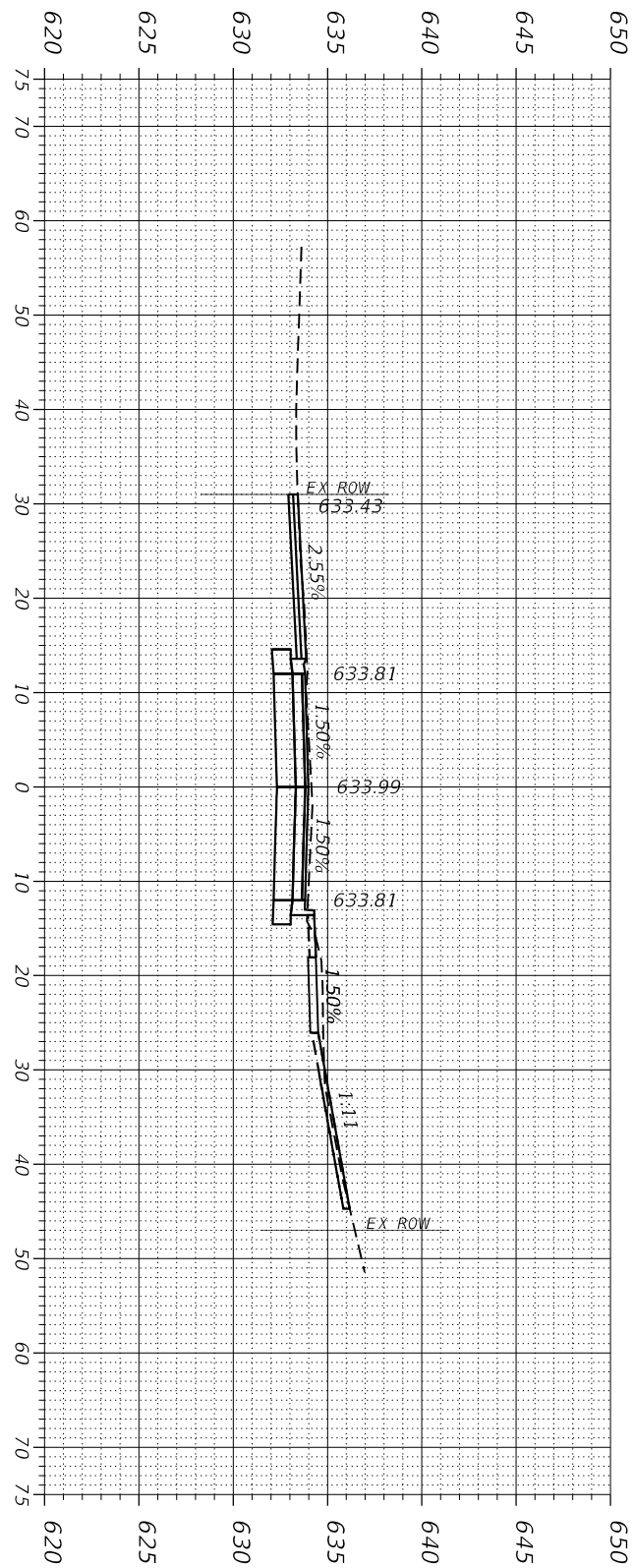
CITY OF
 HIGHLAND PARK

USER NAME	DESIGNED	REVISIONS
Roadway	ES	-
	ES	REVISIED -
	DJO	REVISIED -
	DATE	REVISIED -

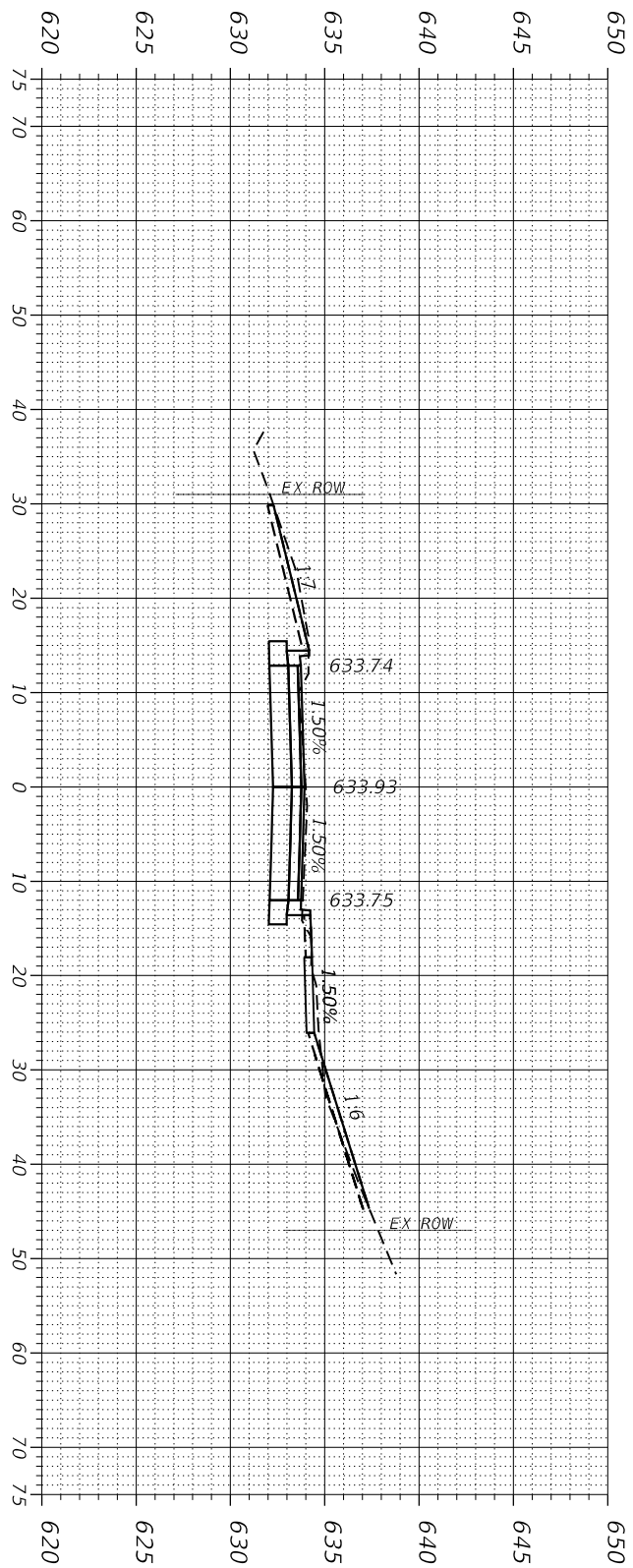
PLOT SCALE = 20.0000' / 1" =
 PLOT DATE = 2/26/2020

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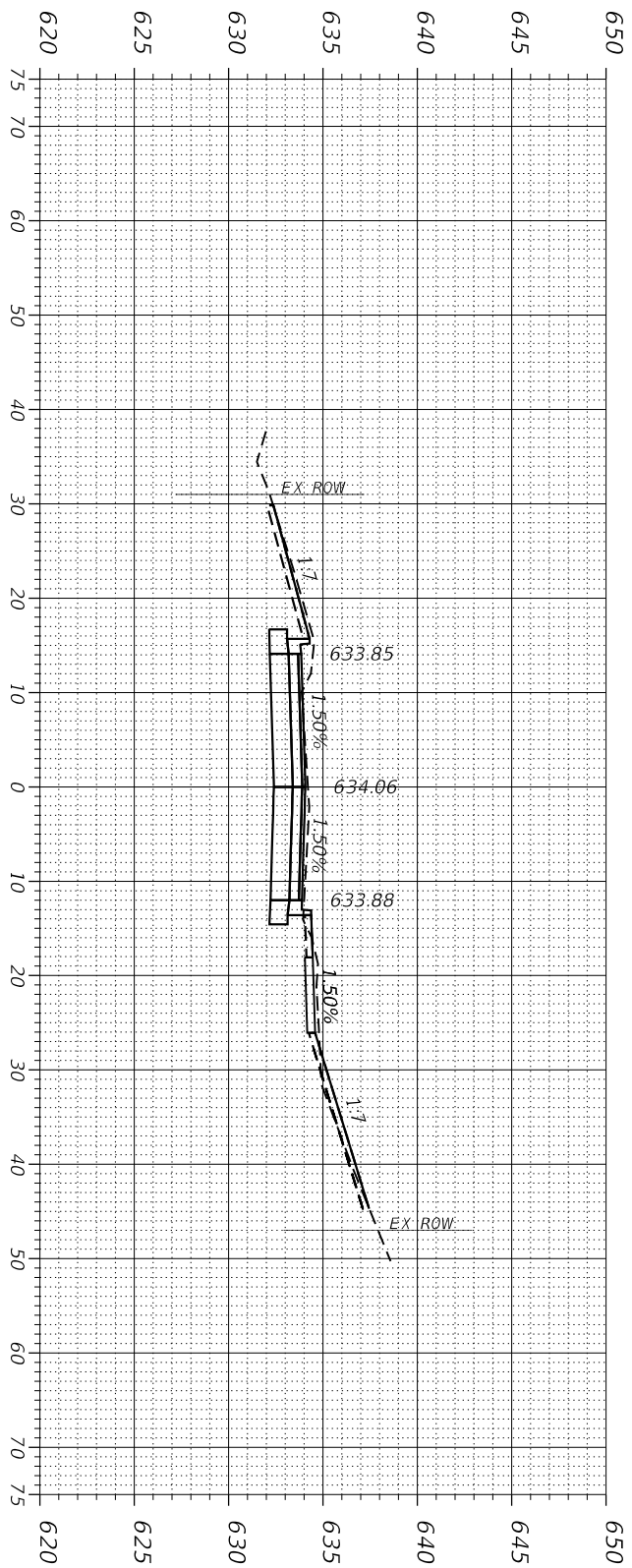
DATE PLOTTED = 2/26/2020 2:13:58 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



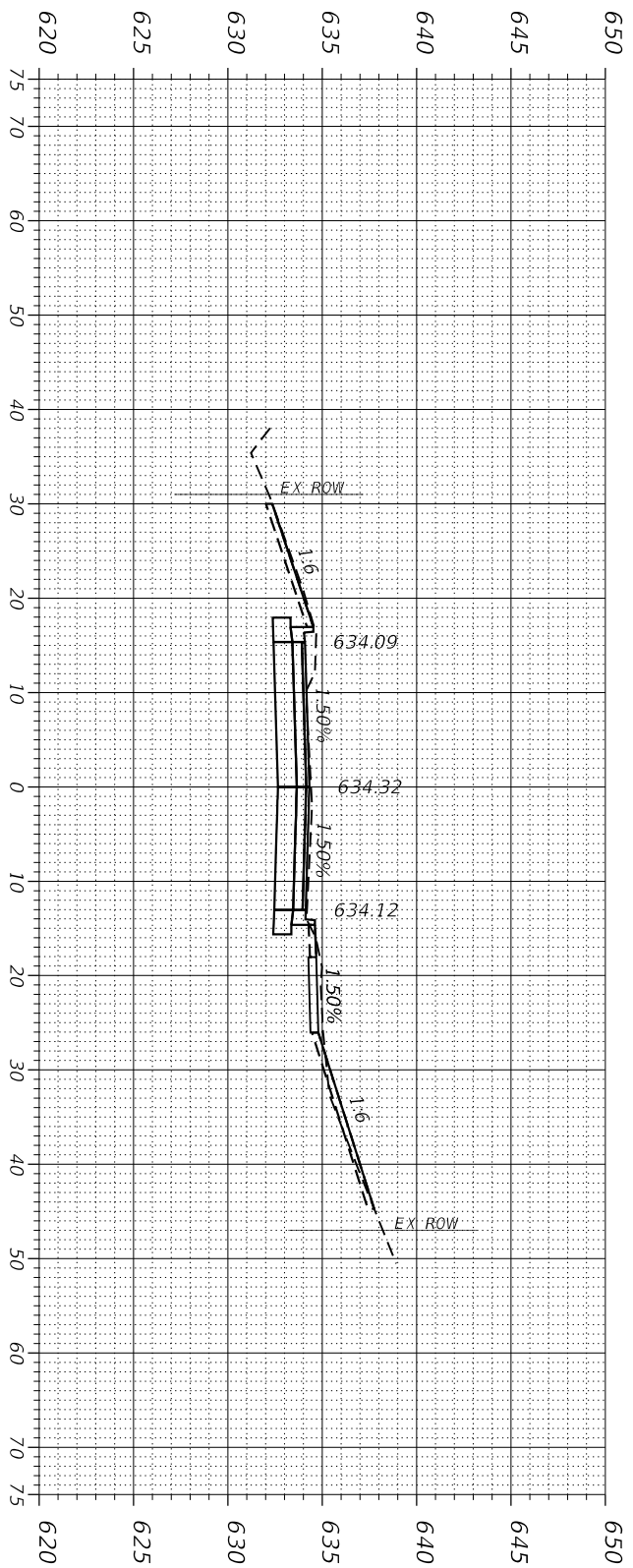
34 + 00.00
 C = 46.24 Sq. Ft.
 F = 1.88 Sq. Ft.



33 + 50.00
 C = 49.46 Sq. Ft.
 F = 2.01 Sq. Ft.



33 + 00.00
 C = 54.41 Sq. Ft.
 F = 1.97 Sq. Ft.



32 + 50.00
 C = 55.05 Sq. Ft.
 F = 1.07 Sq. Ft.

FAU RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265		15-00125-00-PV	LAKE	153	134
CONTRACT NO.					
ILLINOIS FED. AID PROJECT					

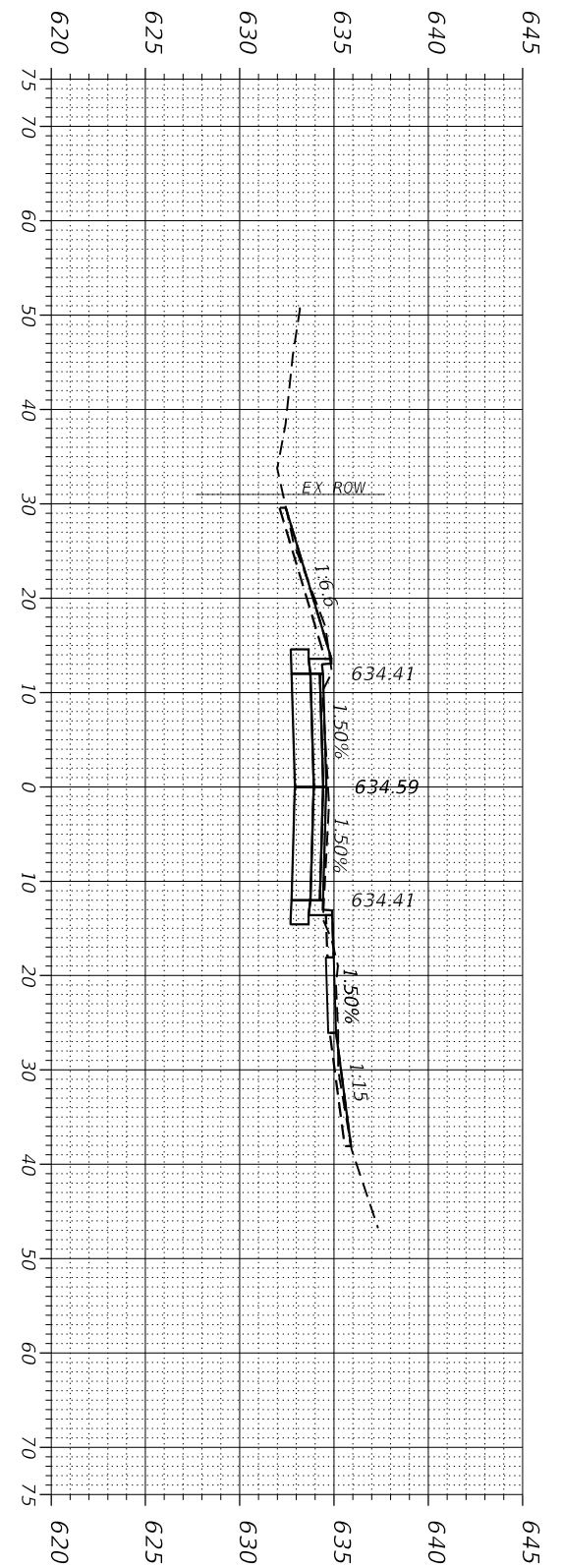
CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION	
CROSS SECTIONS	
SCALE:	TO STA.
SHEET NO. 11 OF 30 SHEETS	STA. TO STA.

CITY OF
 HIGHLAND PARK

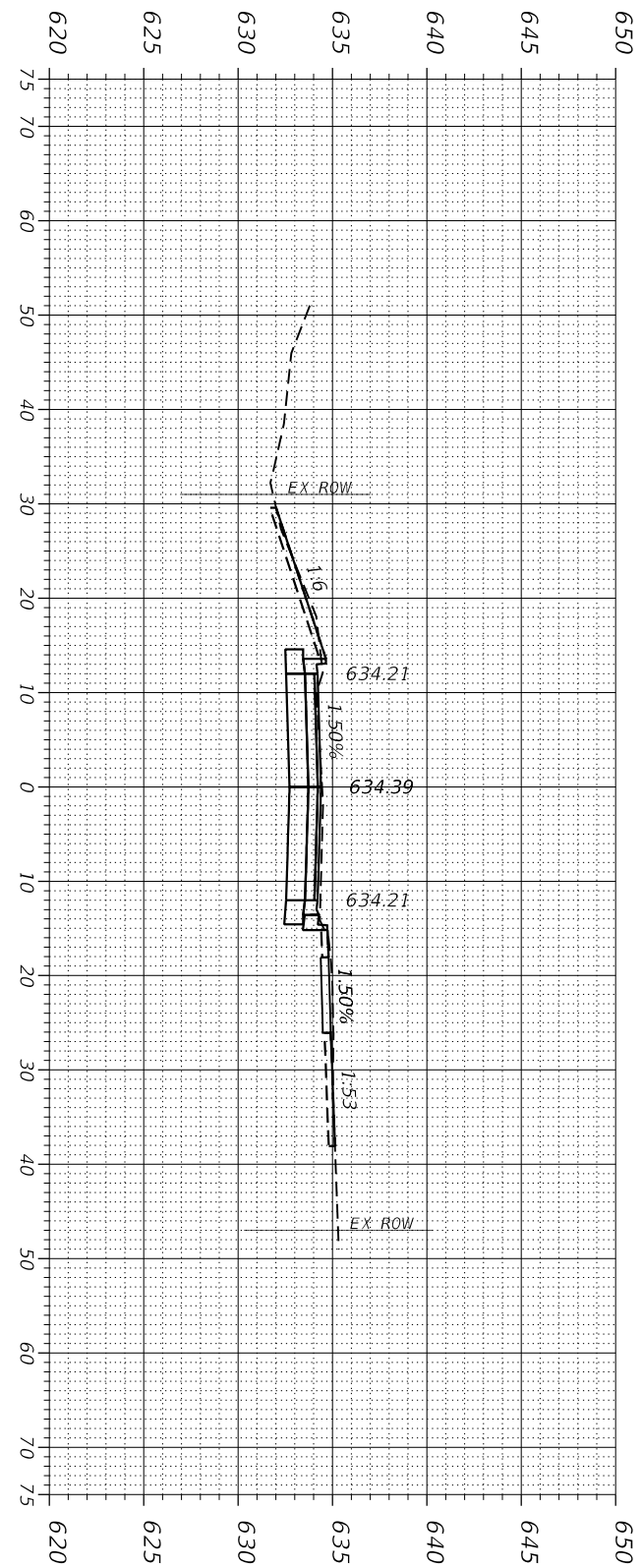
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -



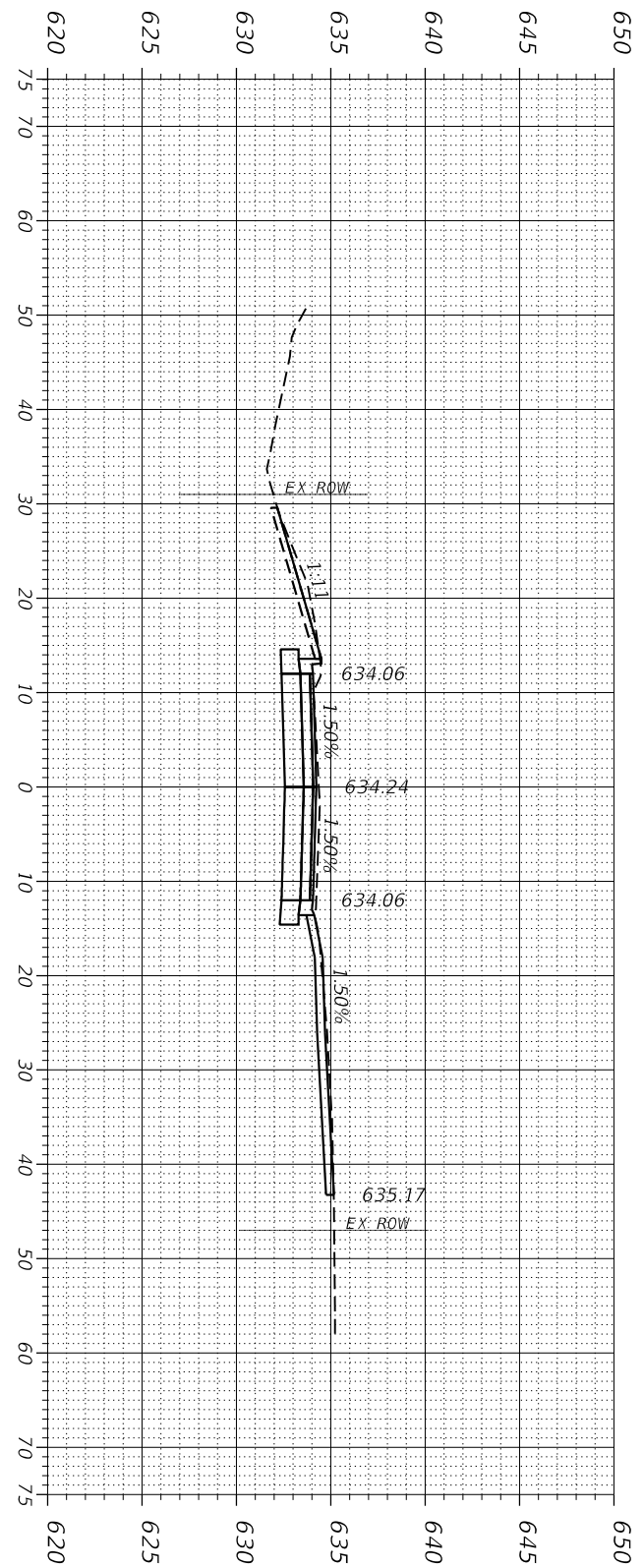
DATE PLOTTED = 2/26/2020 2:13:58 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



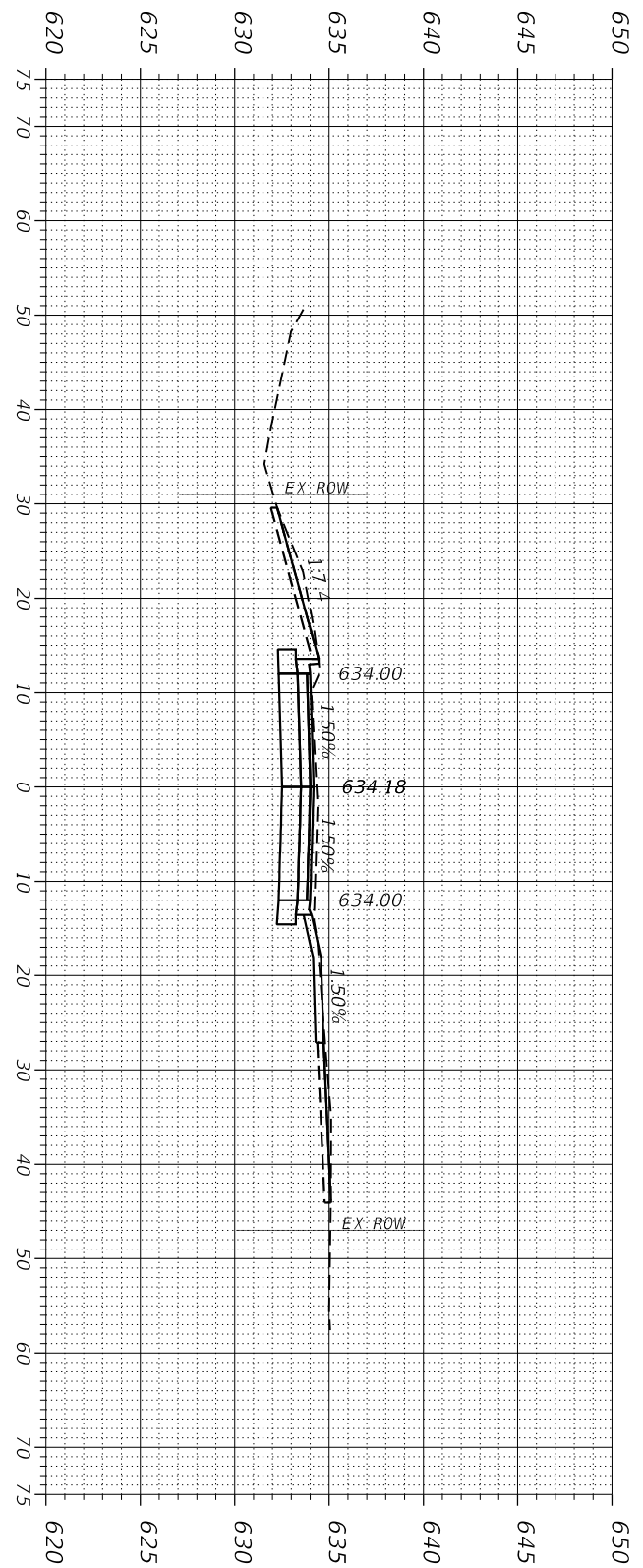
35 + 50.00
 C = 45.87 Sq. Ft.
 F = 2.22 Sq. Ft.



35 + 00.00
 C = 48.05 Sq. Ft.
 F = 1.79 Sq. Ft.



34 + 63.07
 C = 47.74 Sq. Ft.
 F = 1.82 Sq. Ft.



34 + 50.00
 C = 51.65 Sq. Ft.
 F = 1.57 Sq. Ft.

**CITY OF
 HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

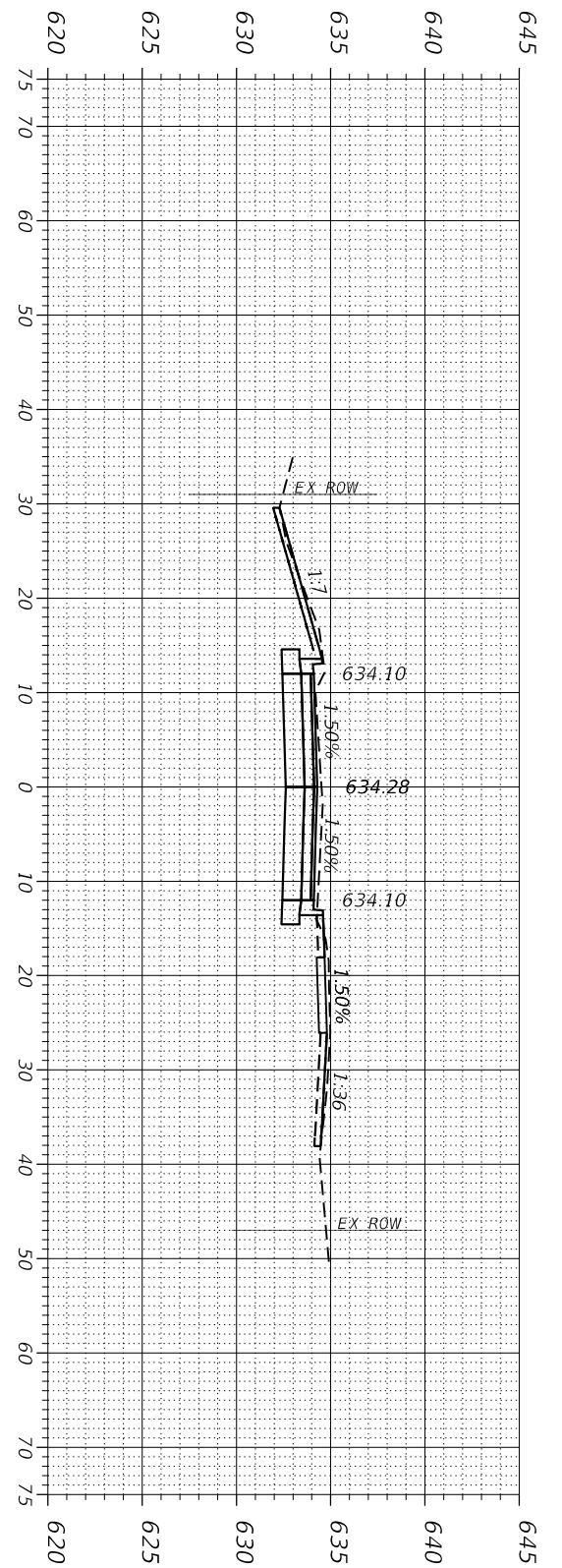
SCALE: SHEET NO. 12 OF 30 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	135
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

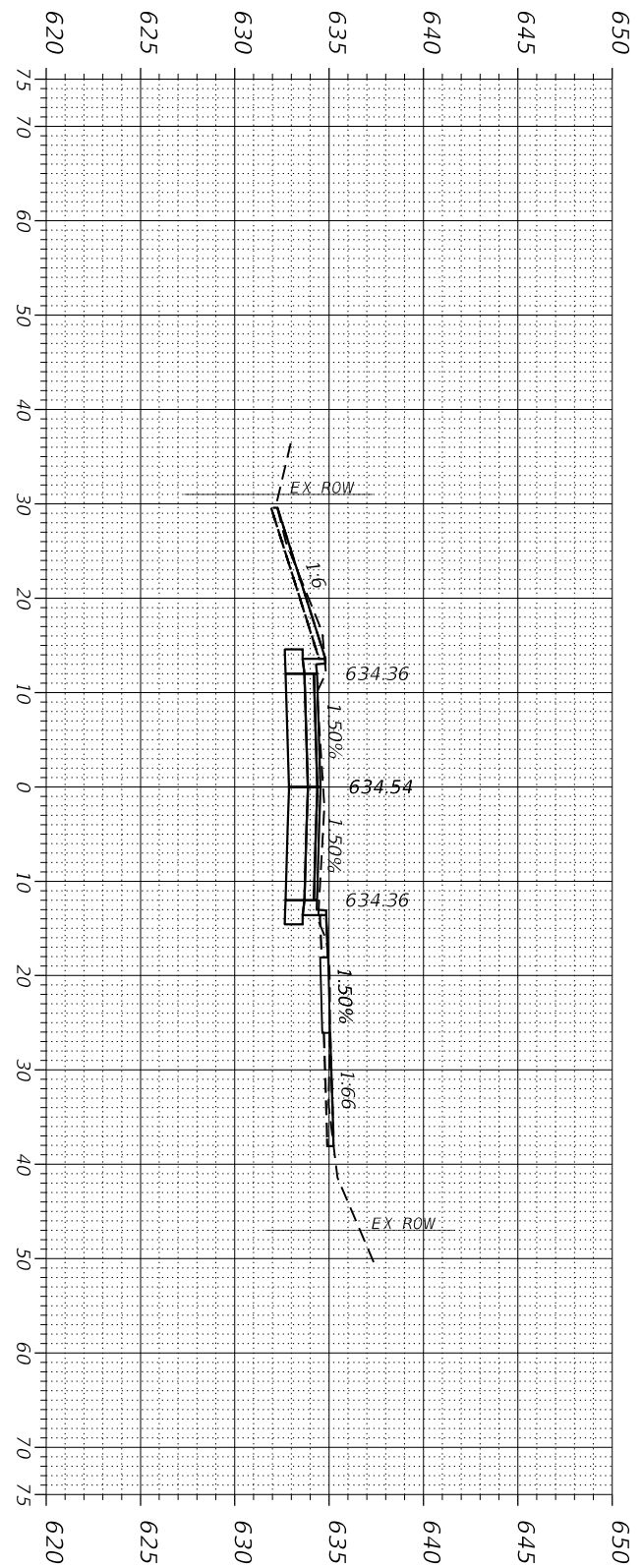
USER NAME	DESIGNED	REVISIONS
Roadway	ES	-
	ES	-
	DJO	-
		-
		-
		-

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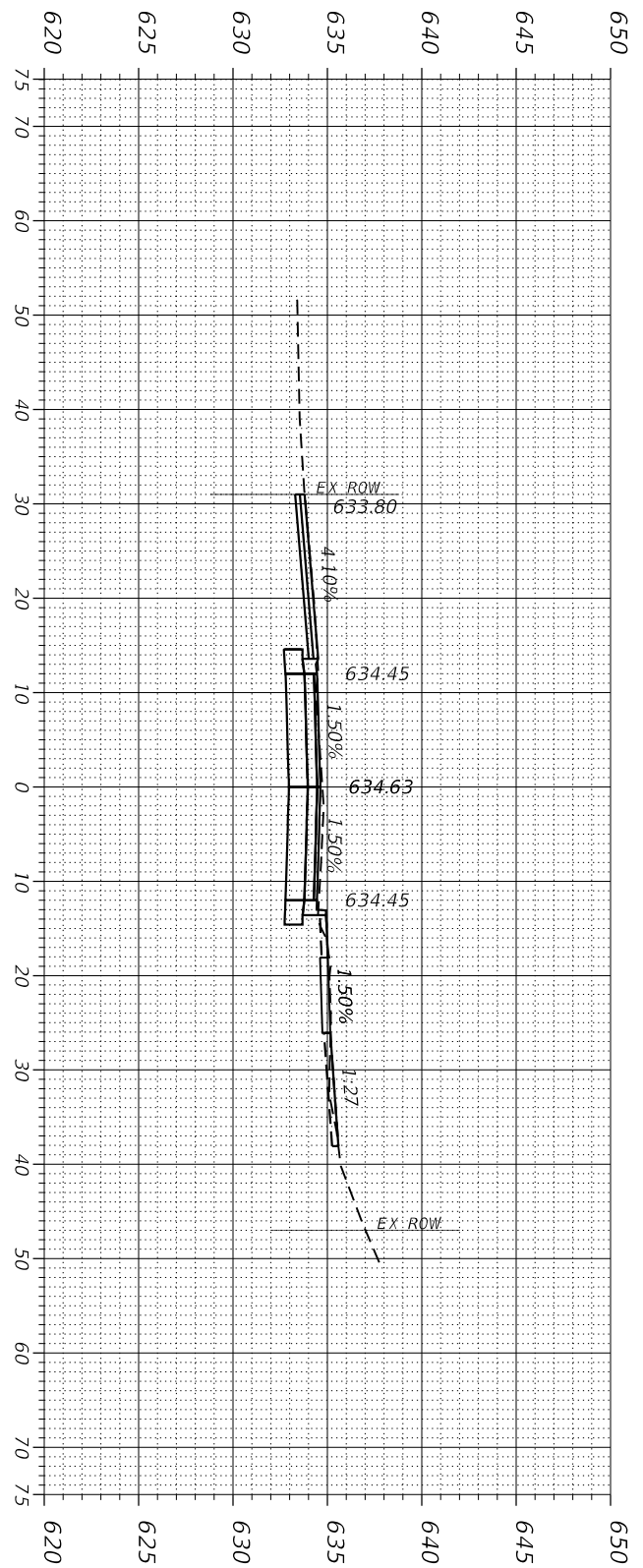
DATE PLOTTED = 2/26/2020 12:36:28 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



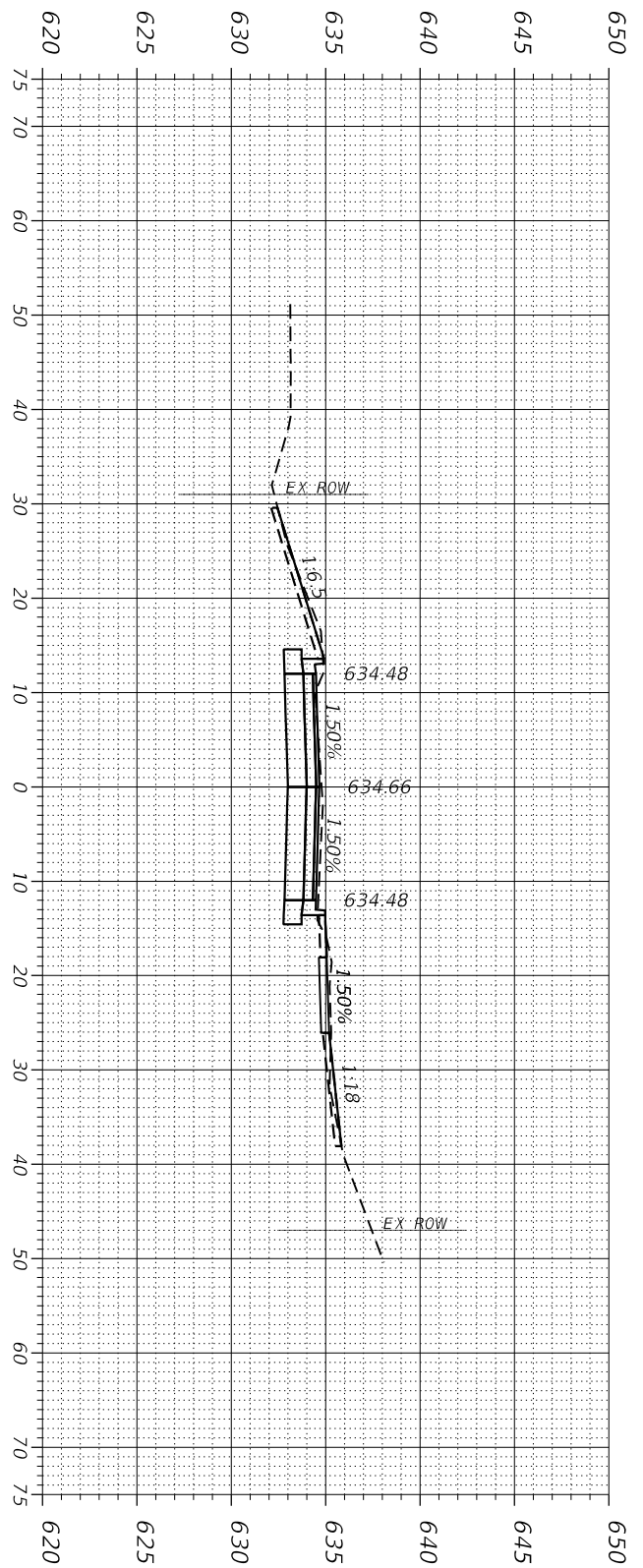
37 + 00.00
 C = 53.43 Sq. Ft.
 F = 1.85 Sq. Ft.



36 + 50.00
 C = 41.57 Sq. Ft.
 F = 2.22 Sq. Ft.



36 + 23.44
 C = 37.38 Sq. Ft.
 F = 2.53 Sq. Ft.



36 + 00.00
 C = 47.25 Sq. Ft.
 F = 1.93 Sq. Ft.

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

SCALE: SHEET NO. 13 OF 30 SHEETS STA. TO STA.

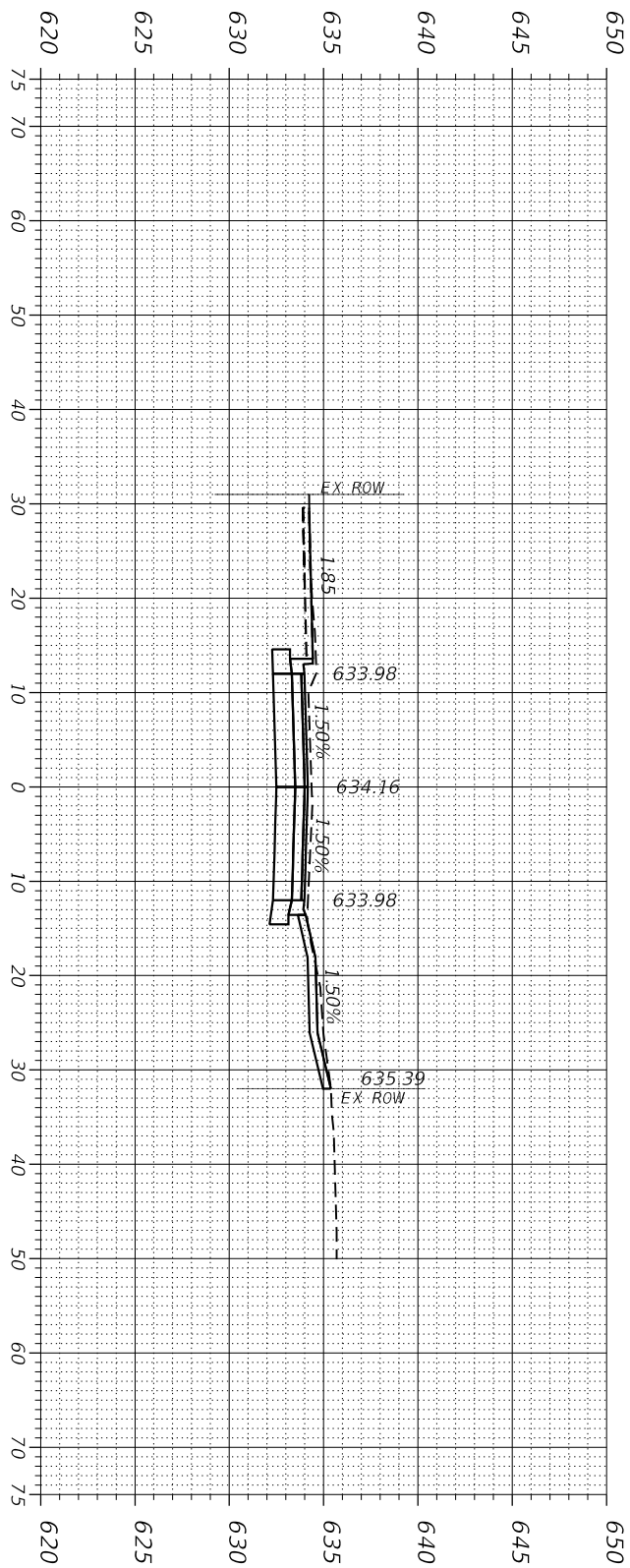
FAU R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	136
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

**CITY OF
 HIGHLAND PARK**

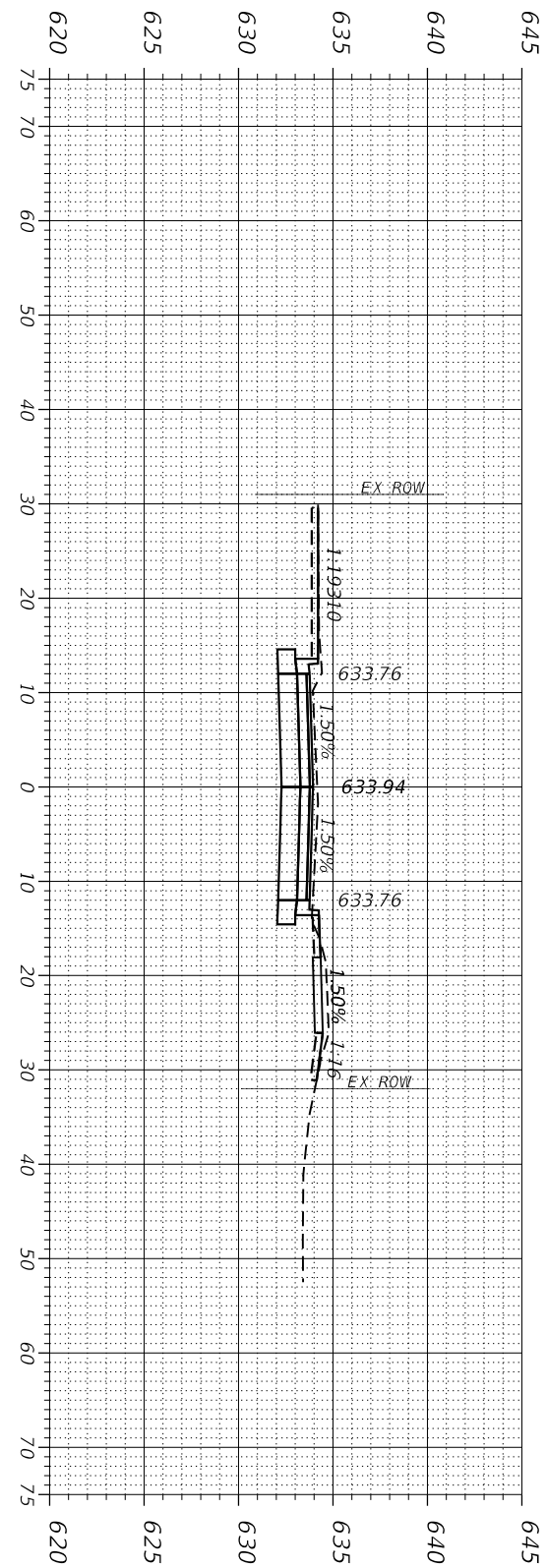
USER NAME	DESIGNED	REVISIONS
Roadway	- ES	-
	DRAWN - ES	REVISIED -
	CHECKED - DJO	REVISIED -
	DATE - 2/26/2020	REVISIED -

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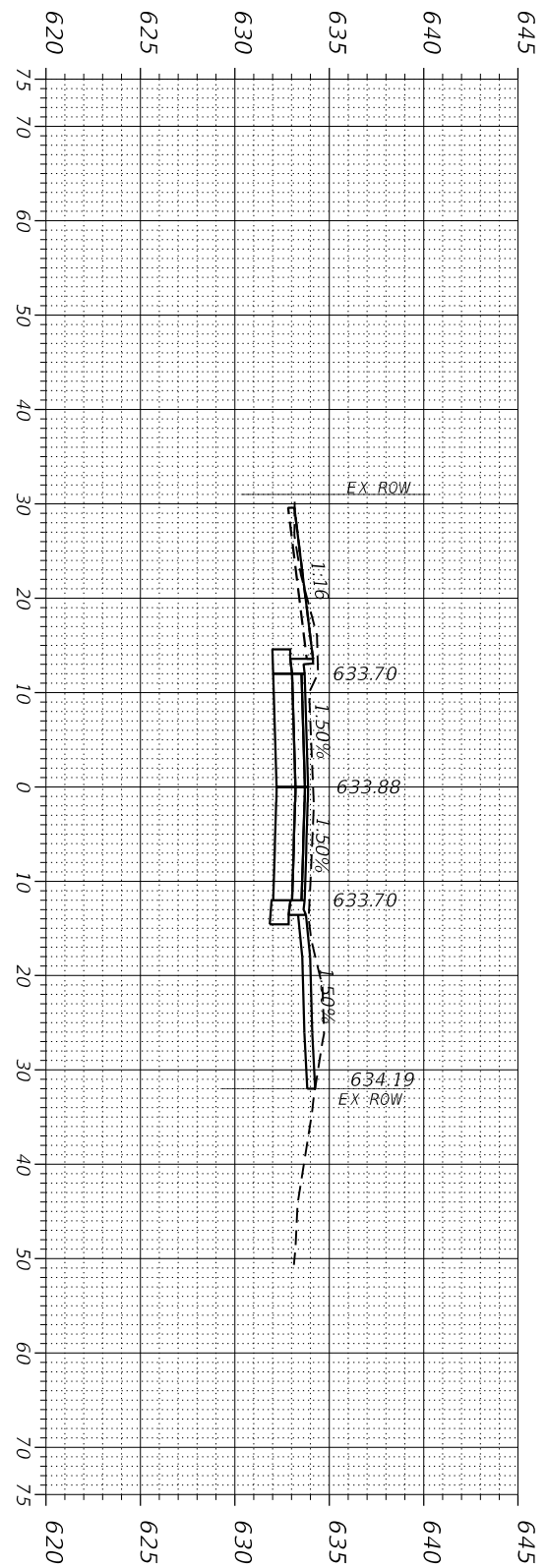
DATE PLOTTED = 2/26/2020 2:13:28 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



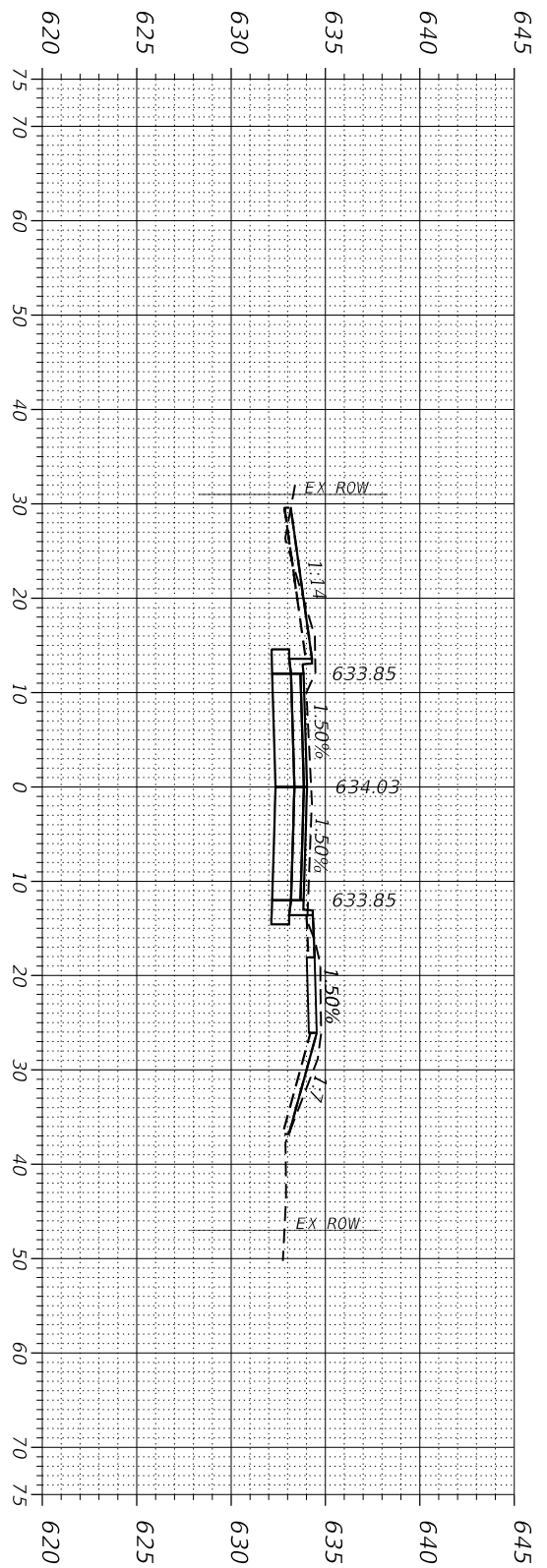
39 + 00.00
 C = 48.36 Sq. Ft.
 F = 1.41 Sq. Ft.



38 + 50.00
 C = 50.98 Sq. Ft.
 F = 1.98 Sq. Ft.



38 + 00.00
 C = 54.54 Sq. Ft.
 F = 0.78 Sq. Ft.



37 + 50.00
 C = 53.08 Sq. Ft.
 F = 1.91 Sq. Ft.

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

SCALE: SHEET NO. 14 OF 30 SHEETS STA. TO STA.

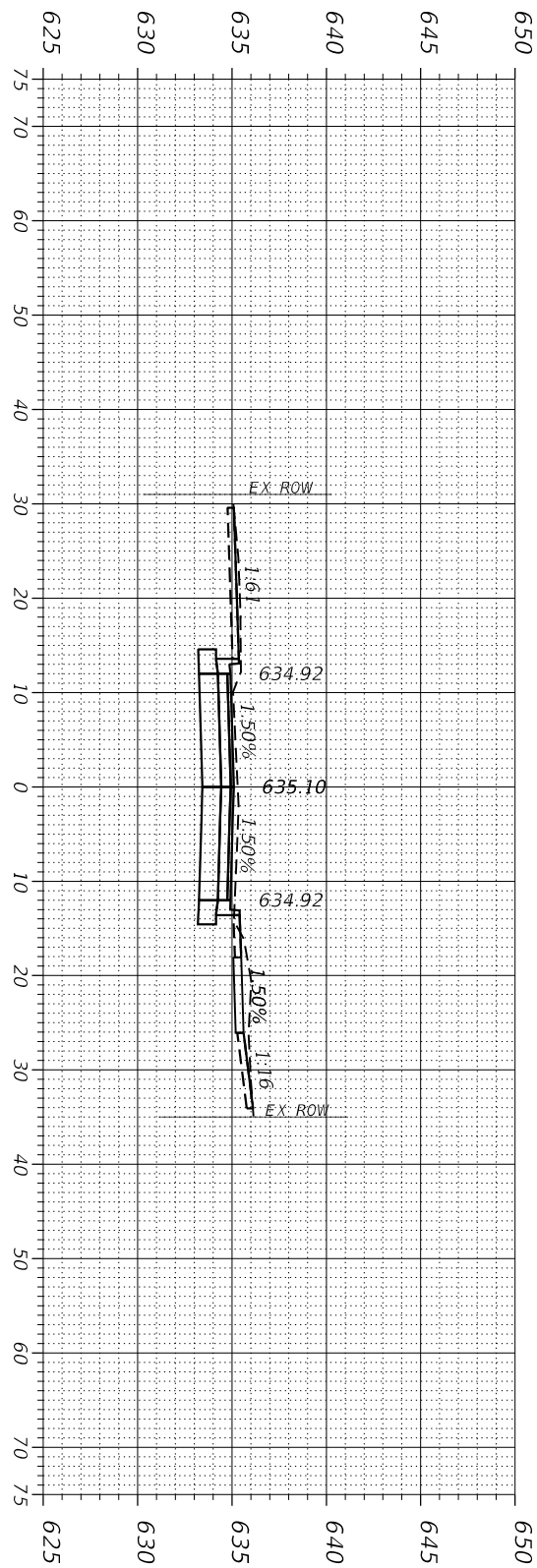
FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 137
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

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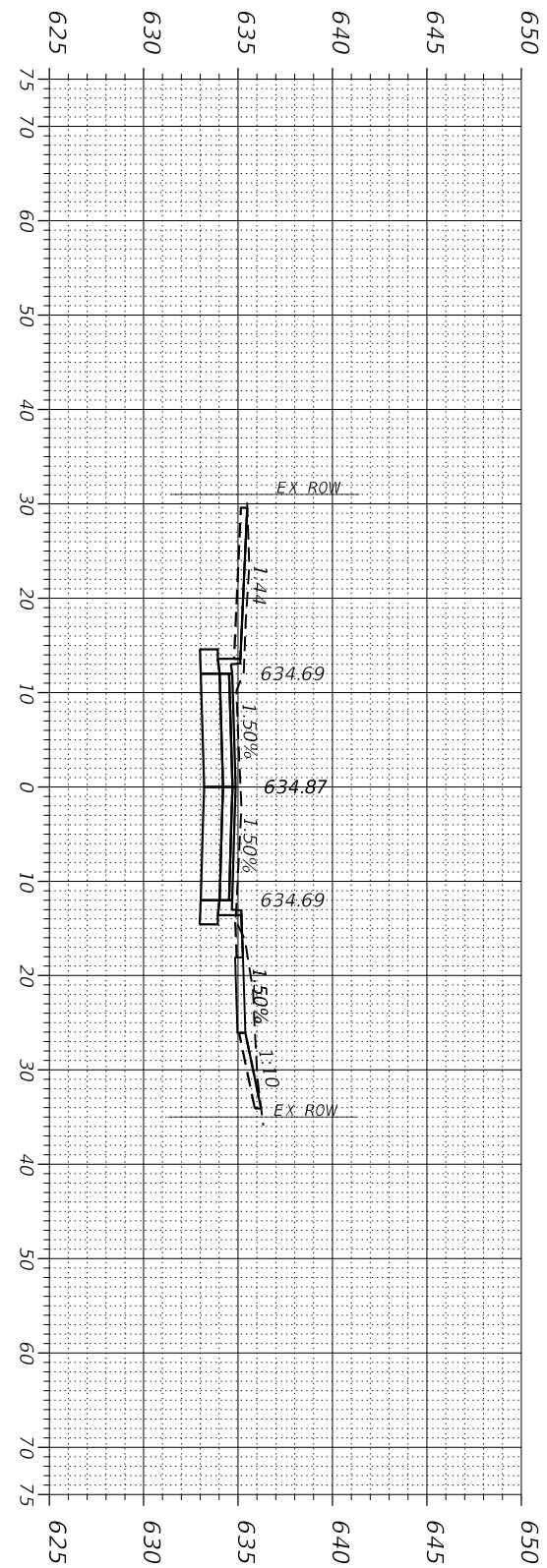
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

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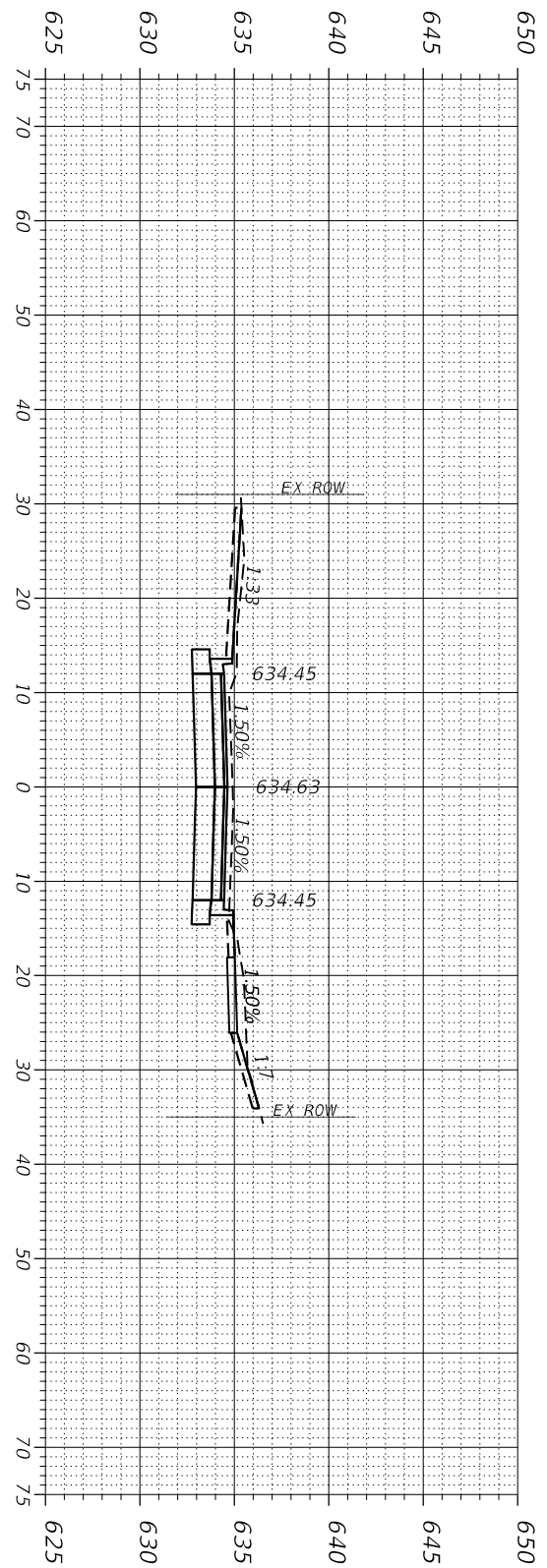
DATE PLOTTED = 2/26/2020 2:13:51 PM
 PEN TABLE =
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 FILE NAME =



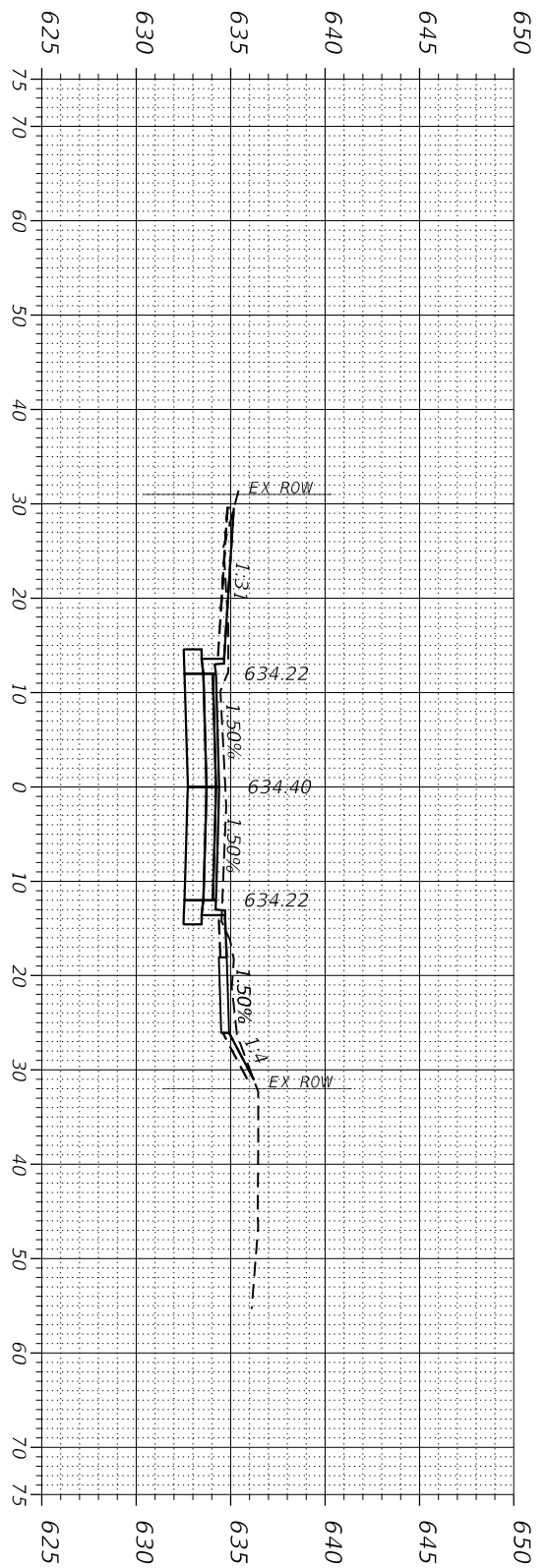
41 + 00.00
 C = 52.82 Sq. Ft.
 F = 1.73 Sq. Ft.



40 + 50.00
 C = 56.29 Sq. Ft.
 F = 1.82 Sq. Ft.



40 + 00.00
 C = 57.41 Sq. Ft.
 F = 1.73 Sq. Ft.



39 + 50.00
 C = 52.38 Sq. Ft.
 F = 1.59 Sq. Ft.

DATE PLOTTED = 2/26/2020 2:13:51 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



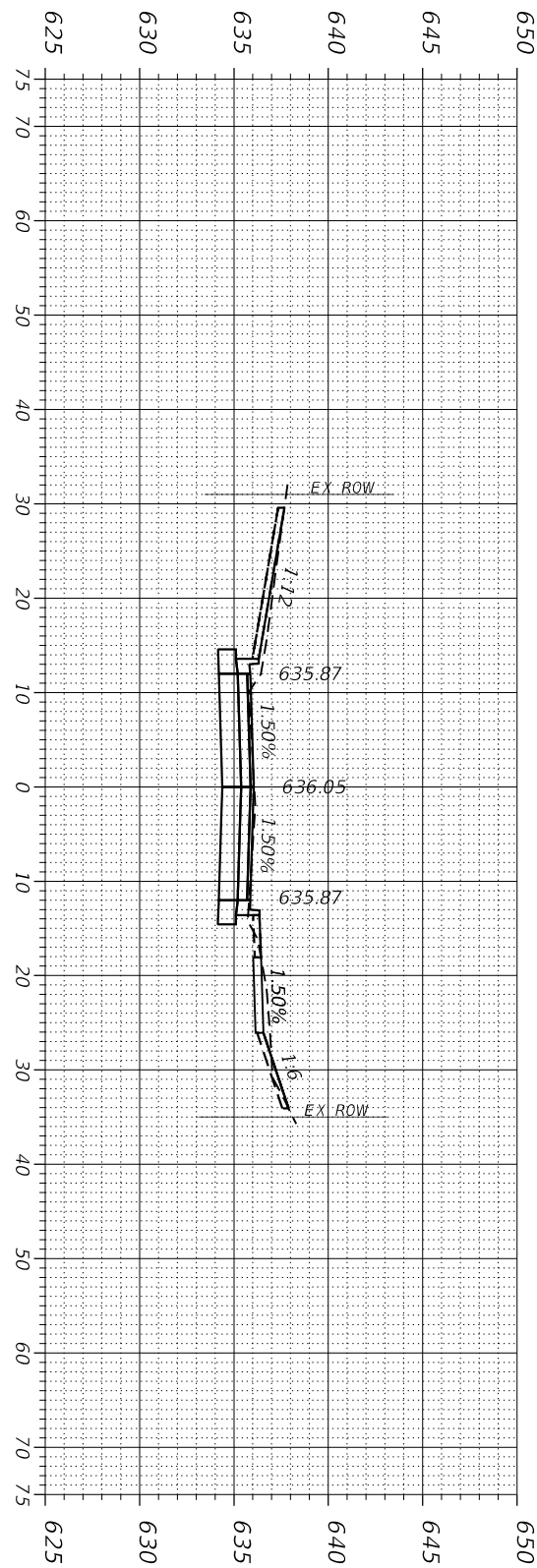
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

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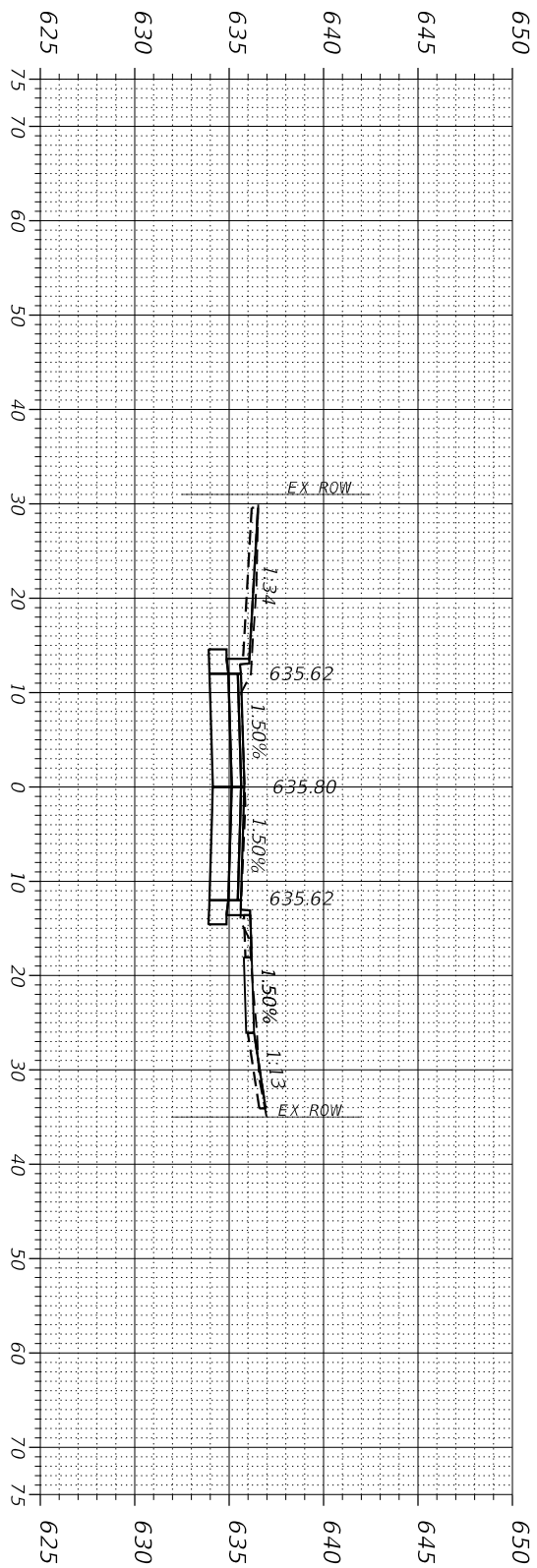
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

SCALE: SHEET NO. 15 OF 30 SHEETS STA. TO STA.

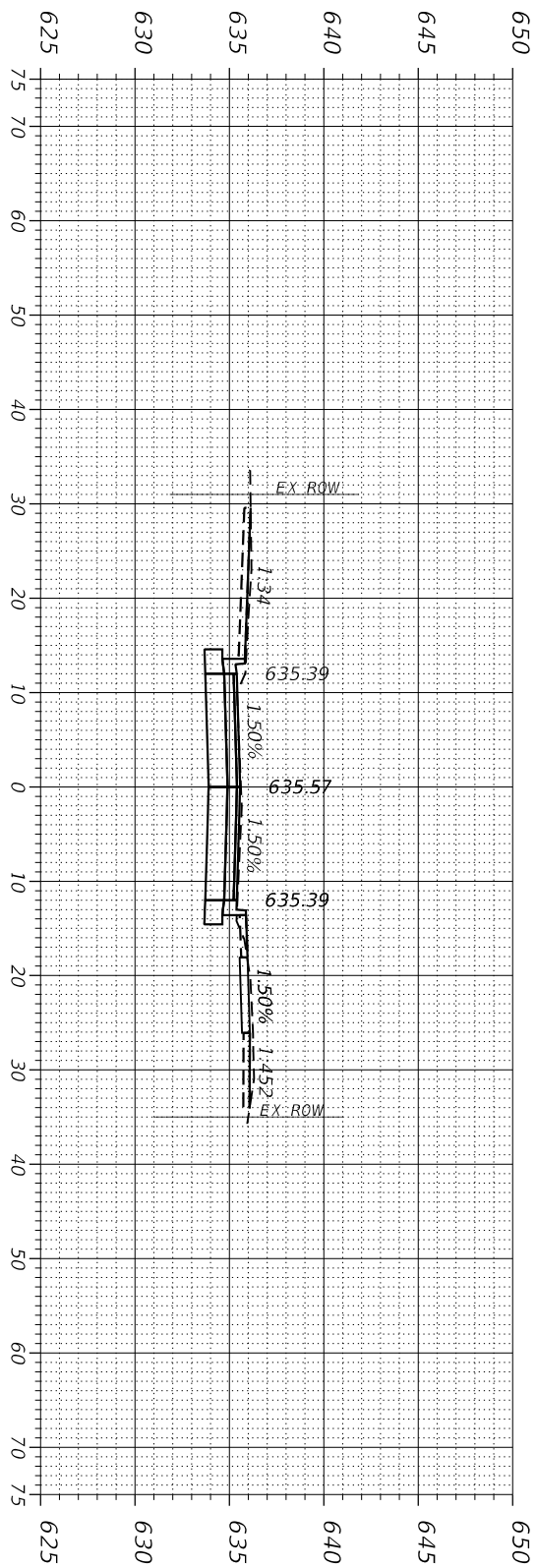
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	138
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



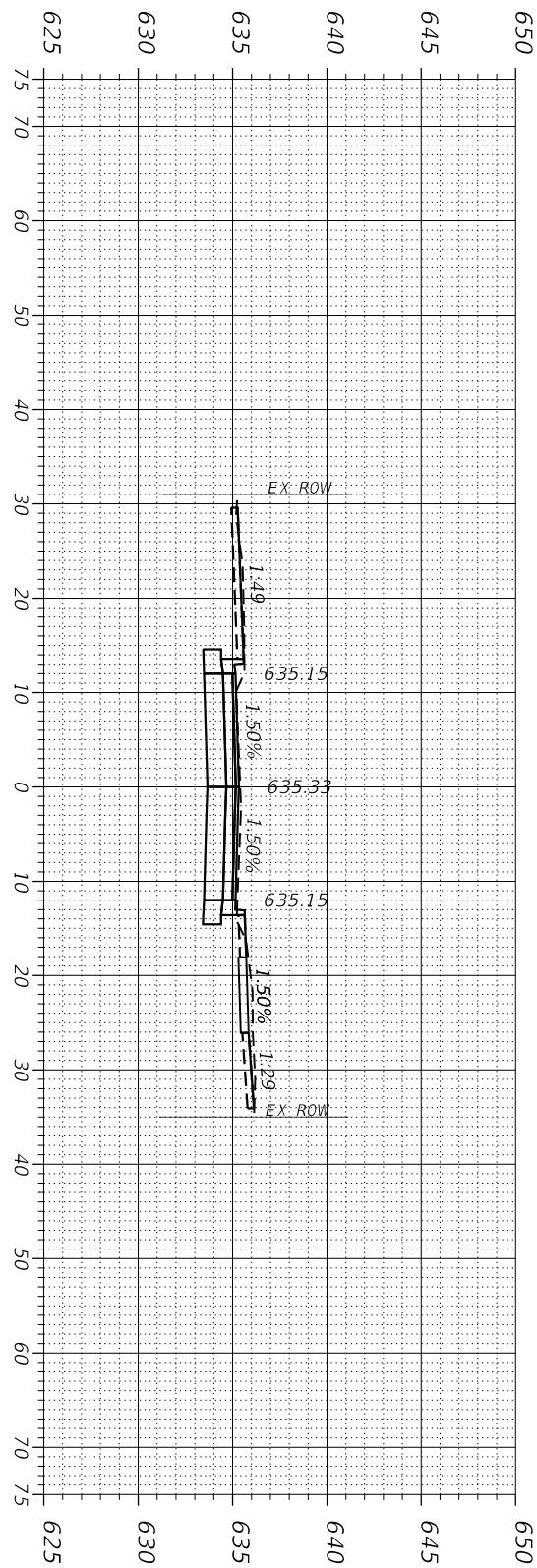
43 + 00.00
 C = 45.35 Sq. Ft.
 F = 3.18 Sq. Ft.



42 + 50.00
 C = 44.63 Sq. Ft.
 F = 2.82 Sq. Ft.



42 + 00.00
 C = 46.21 Sq. Ft.
 F = 2.45 Sq. Ft.



41 + 50.00
 C = 45.72 Sq. Ft.
 F = 2.11 Sq. Ft.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	139
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
CROSS SECTIONS

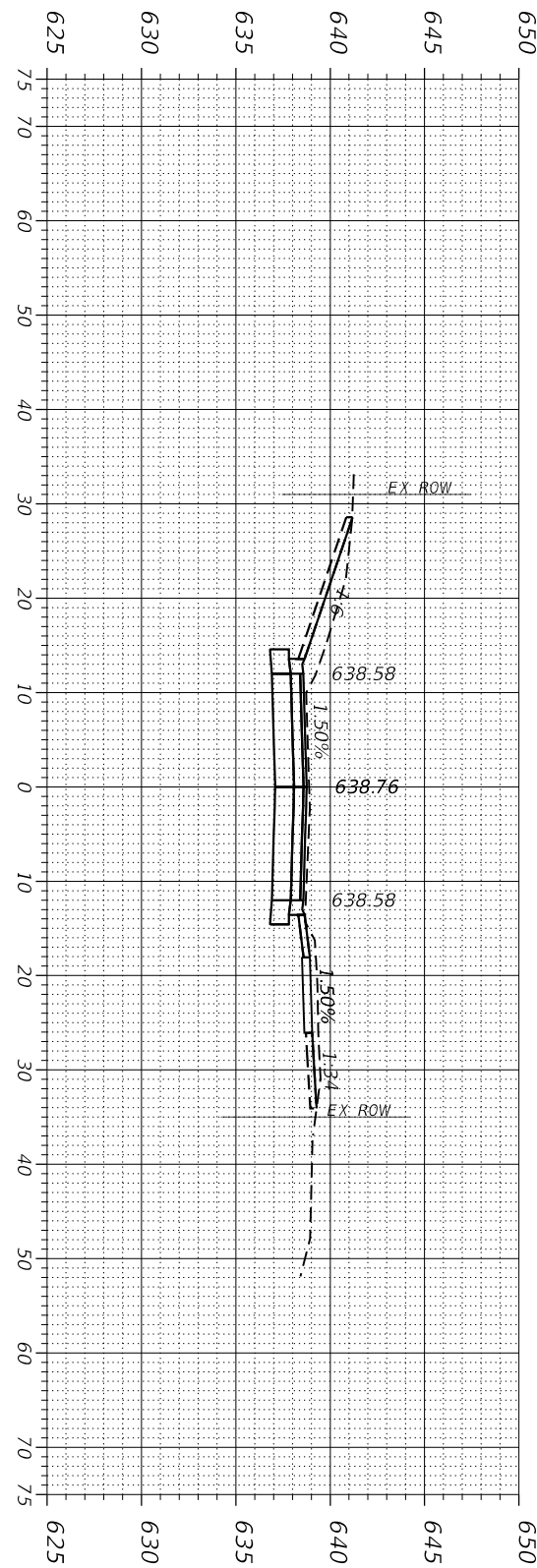
SCALE: SHEET NO. 16 OF 30 SHEETS STA. TO STA.

CITY OF
HIGHLAND PARK

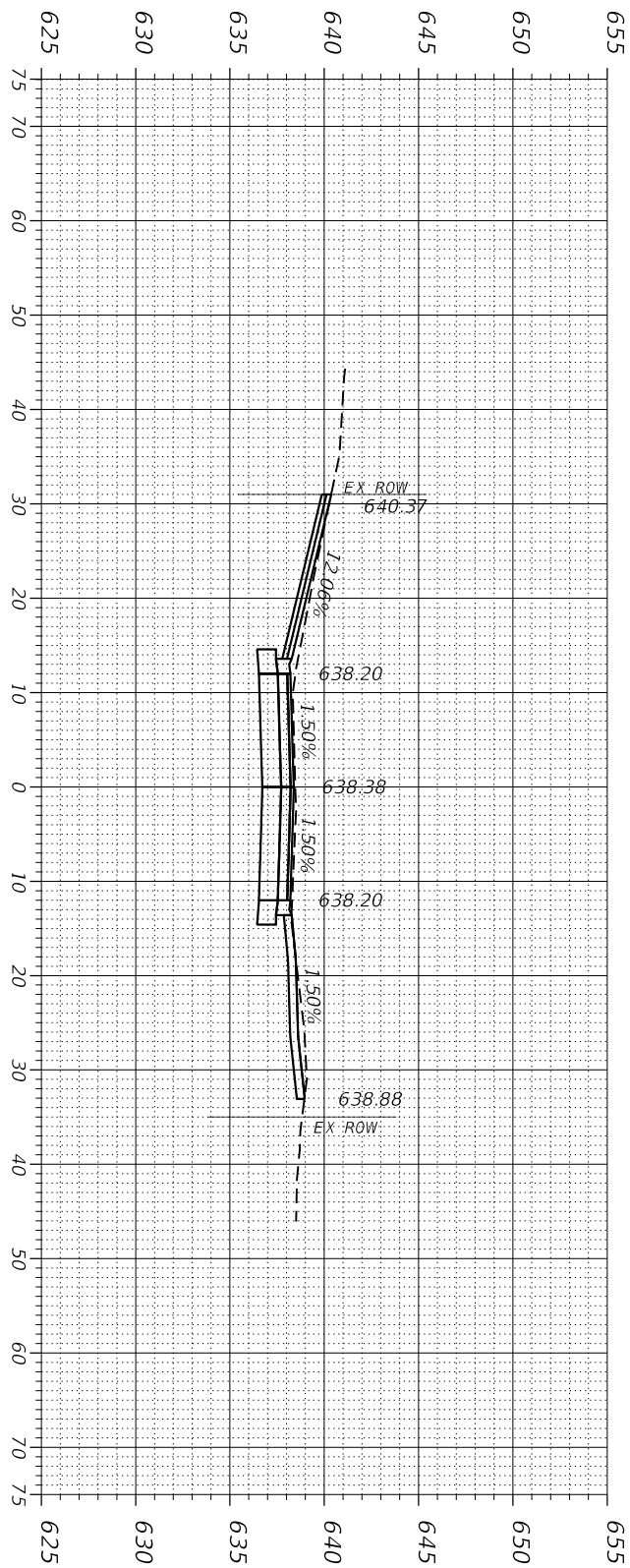
USER NAME =	DESIGNED -	REVISED -
Roadway	ES	-
	DRAWN - ES	REVISED -
	CHECKED - DJO	REVISED -
	DATE - 2/26/2020	REVISED -

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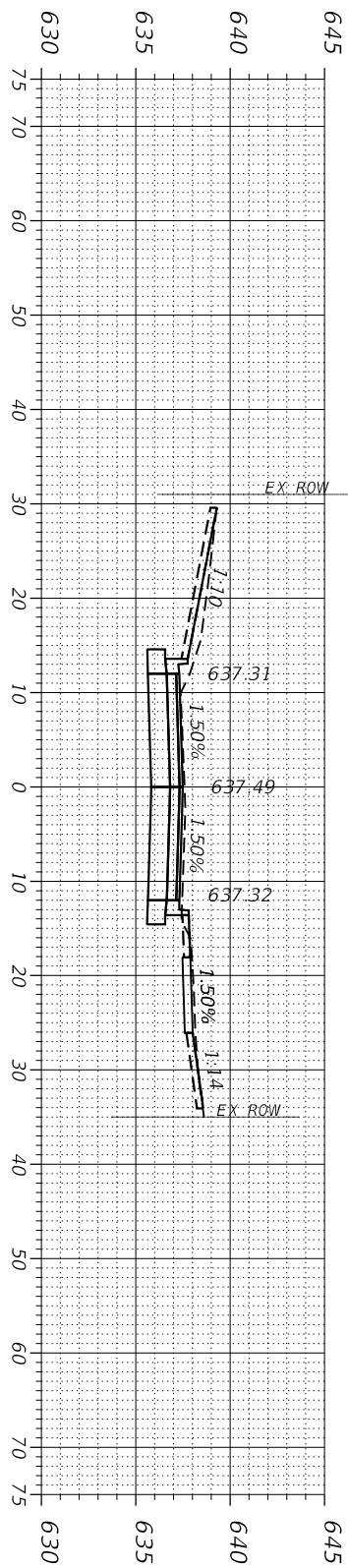
DATE PLOTTED = 2/26/2020 2:13:51 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



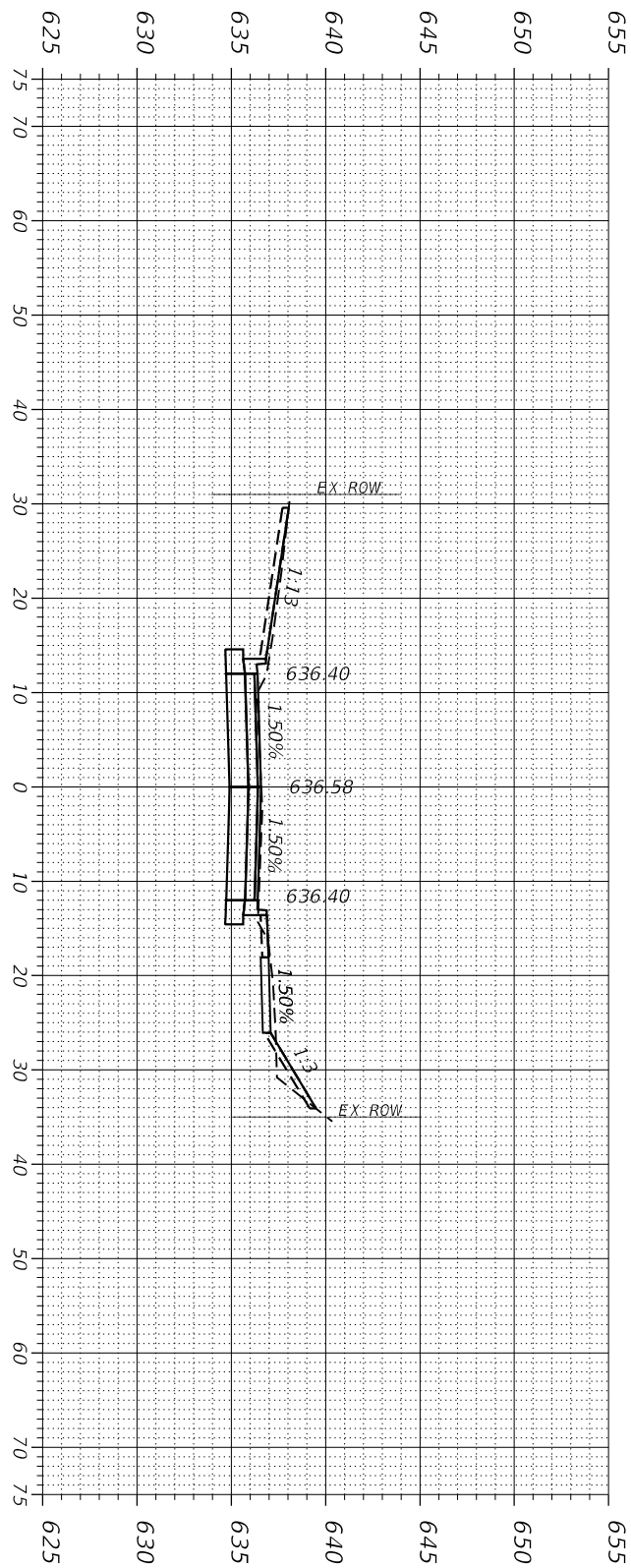
44 + 50.00
 C = 60.22 Sq. Ft.
 F = 0.00 Sq. Ft.



44 + 35.89
 C = 43.33 Sq. Ft.
 F = 4.53 Sq. Ft.



44 + 00.00
 C = 50.58 Sq. Ft.
 F = 2.12 Sq. Ft.



43 + 50.00
 C = 45.38 Sq. Ft.
 F = 2.12 Sq. Ft.

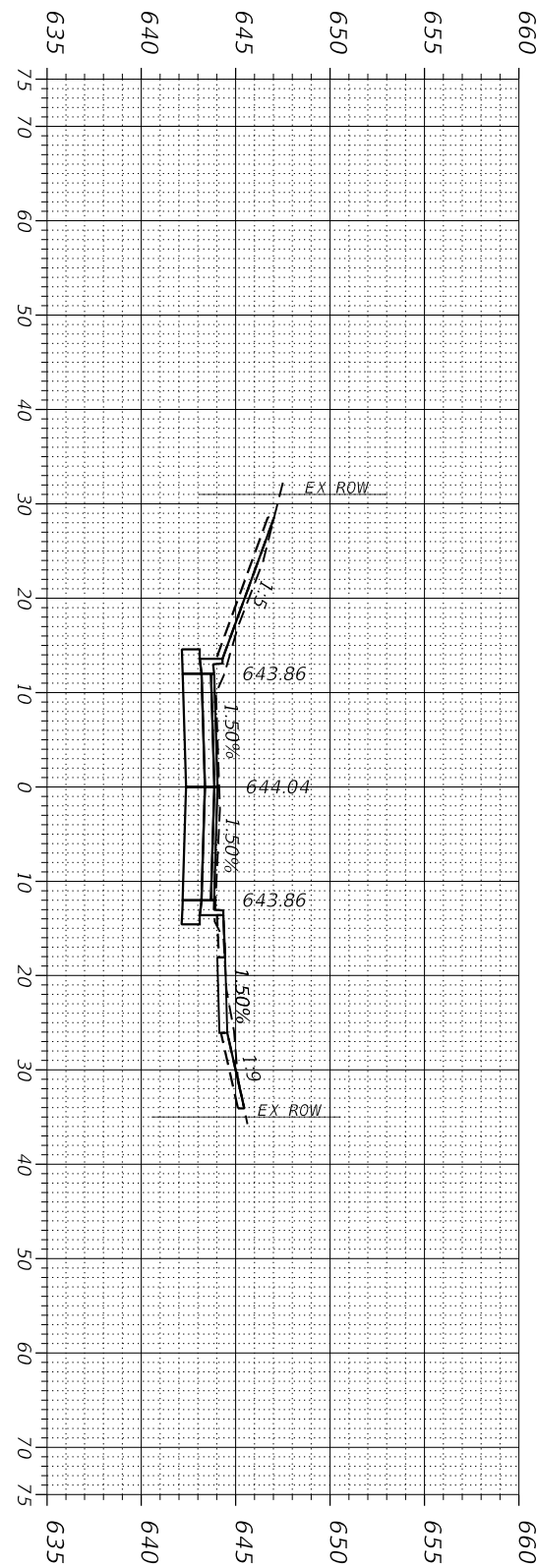
CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION		FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CROSS SECTIONS		1265	15-00125-00-PV	LAKE	153	140
SCALE:		SHEET NO. 17 OF 30 SHEETS		STA.	TO STA.	
				ILLINOIS FED. AID PROJECT		

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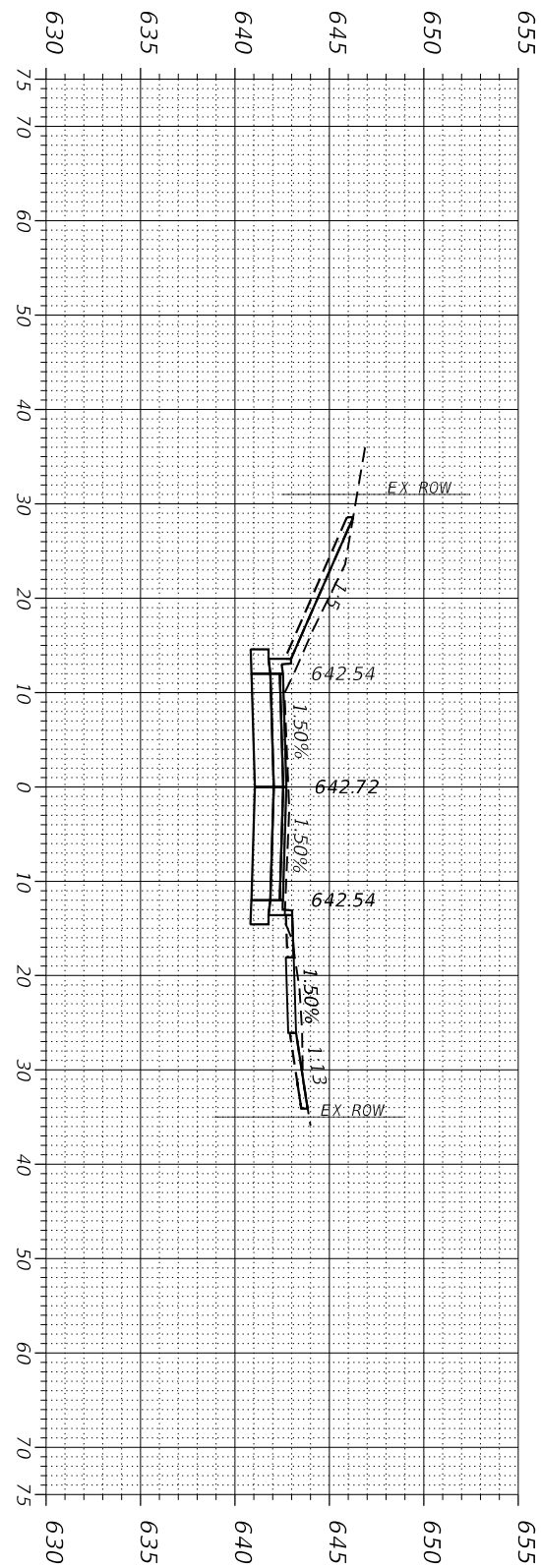
DESIGNED - ES	REVISIED -
DRAWN - ES	REVISIED -
CHECKED - DJO	REVISIED -
DATE - 2/26/2020	REVISIED -

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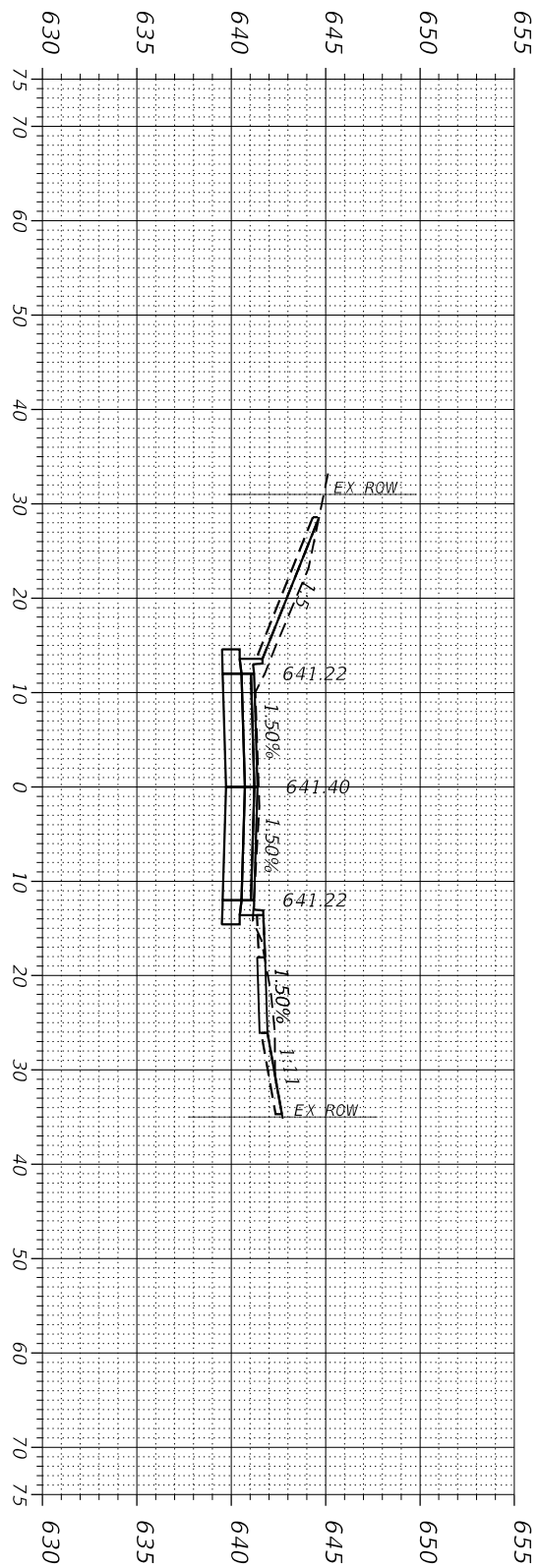
DATE PLOTTED = 2/26/2020 2:13:51 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



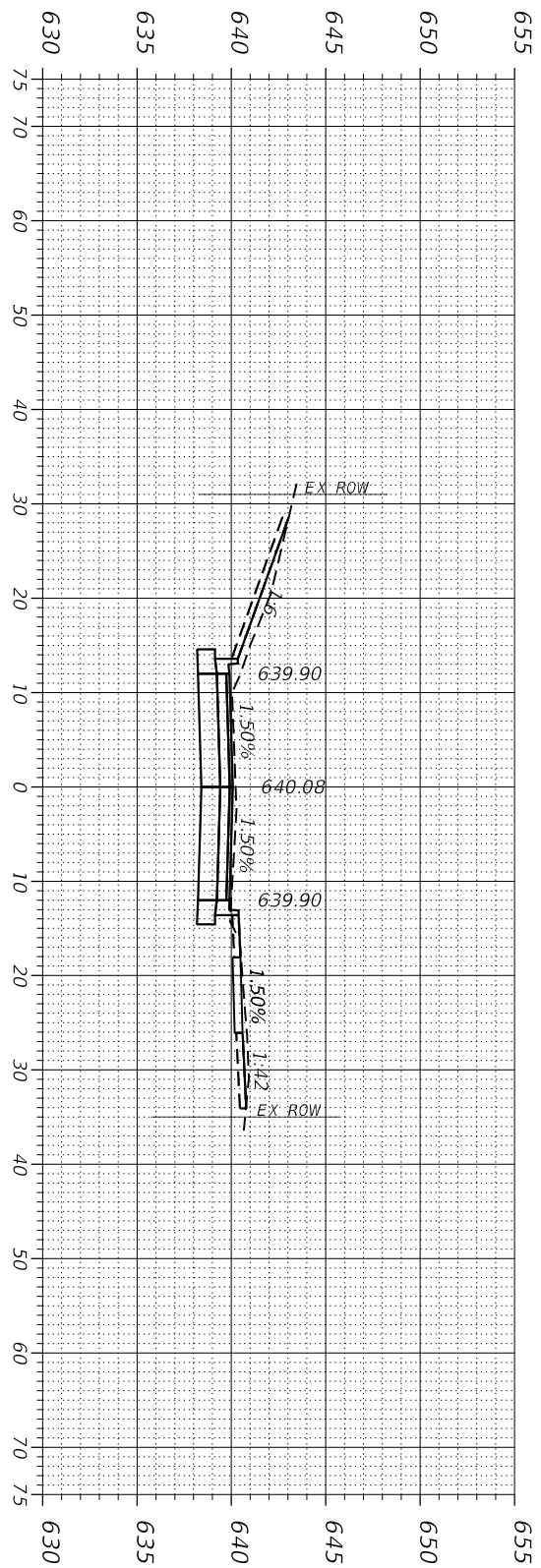
46 + 50.00
 C = 48.67 Sq. Ft.
 F = 2.23 Sq. Ft.



46 + 00.00
 C = 54.21 Sq. Ft.
 F = 2.24 Sq. Ft.



45 + 50.00
 C = 51.47 Sq. Ft.
 F = 2.80 Sq. Ft.



45 + 00.00
 C = 44.22 Sq. Ft.
 F = 2.15 Sq. Ft.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	141
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

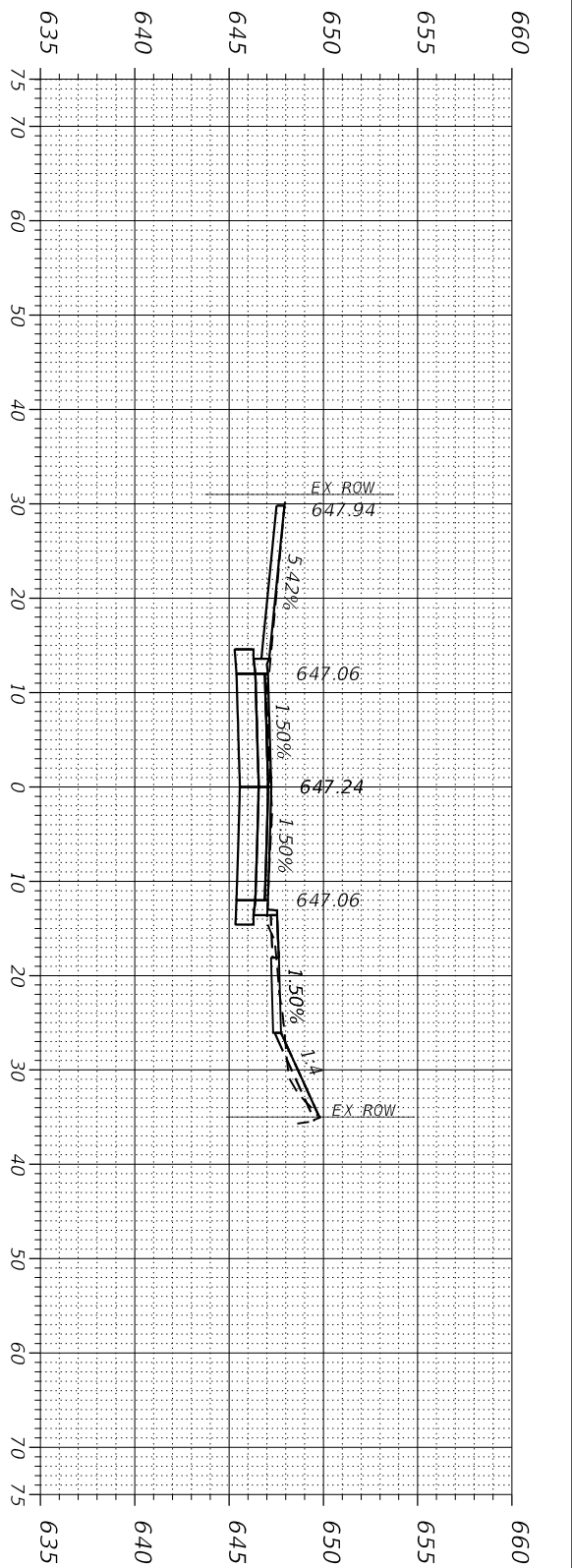
CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION	
CROSS SECTIONS	
SCALE:	STA. TO STA.
	SHEET NO. 18 OF 30 SHEETS

**CITY OF
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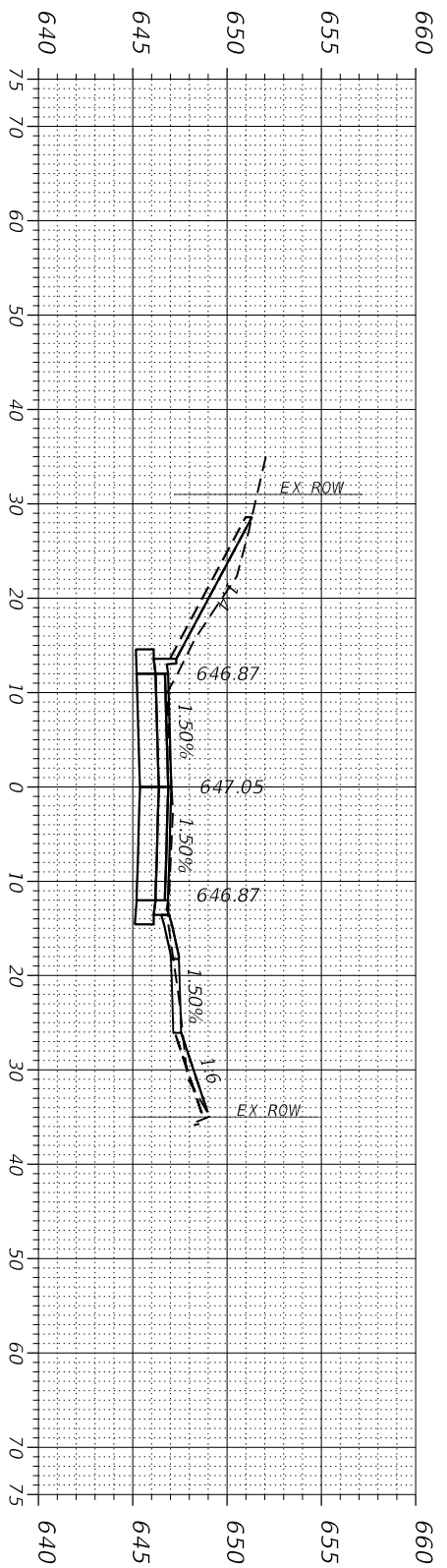
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -



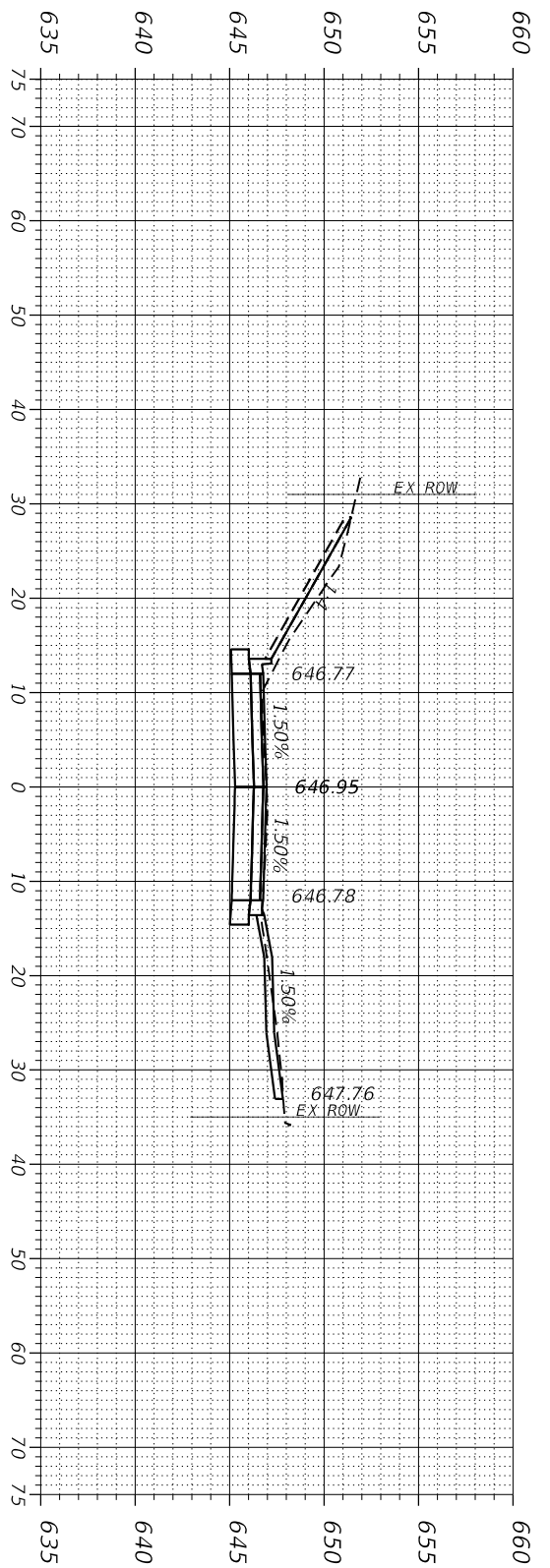
DATE PLOTTED = 2/26/2020 2:13:57 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



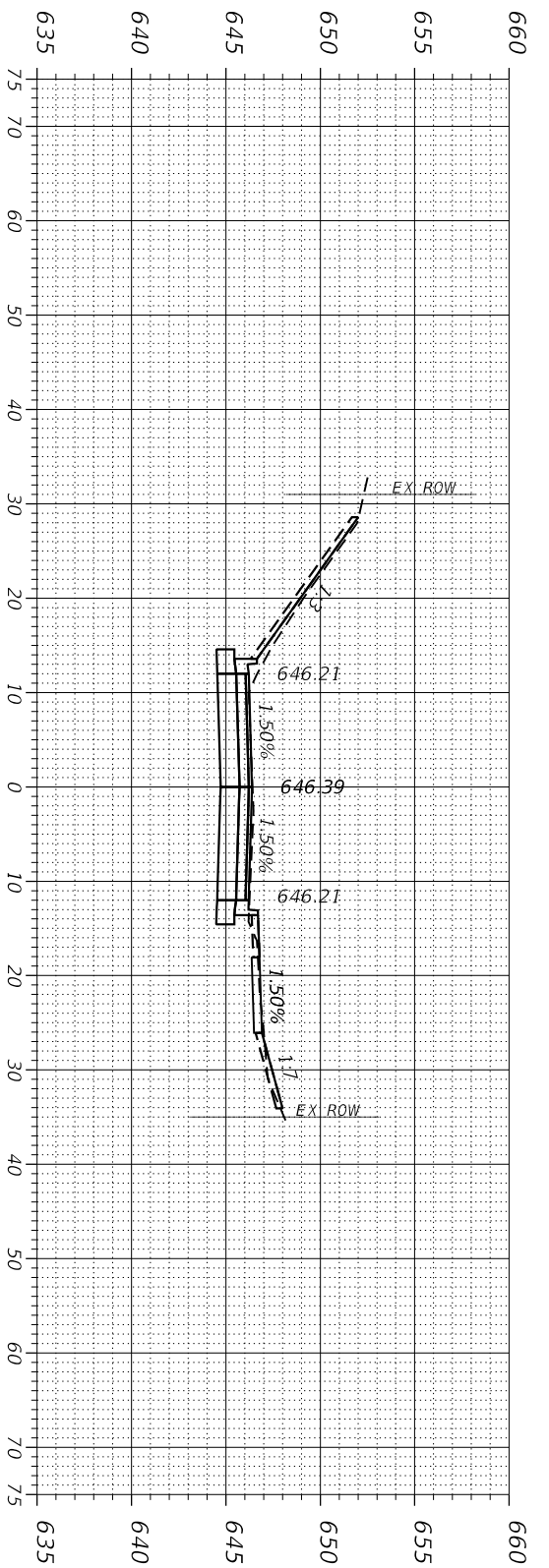
48 + 26.57
 C = 35.01 Sq. Ft.
 F = 8.64 Sq. Ft.



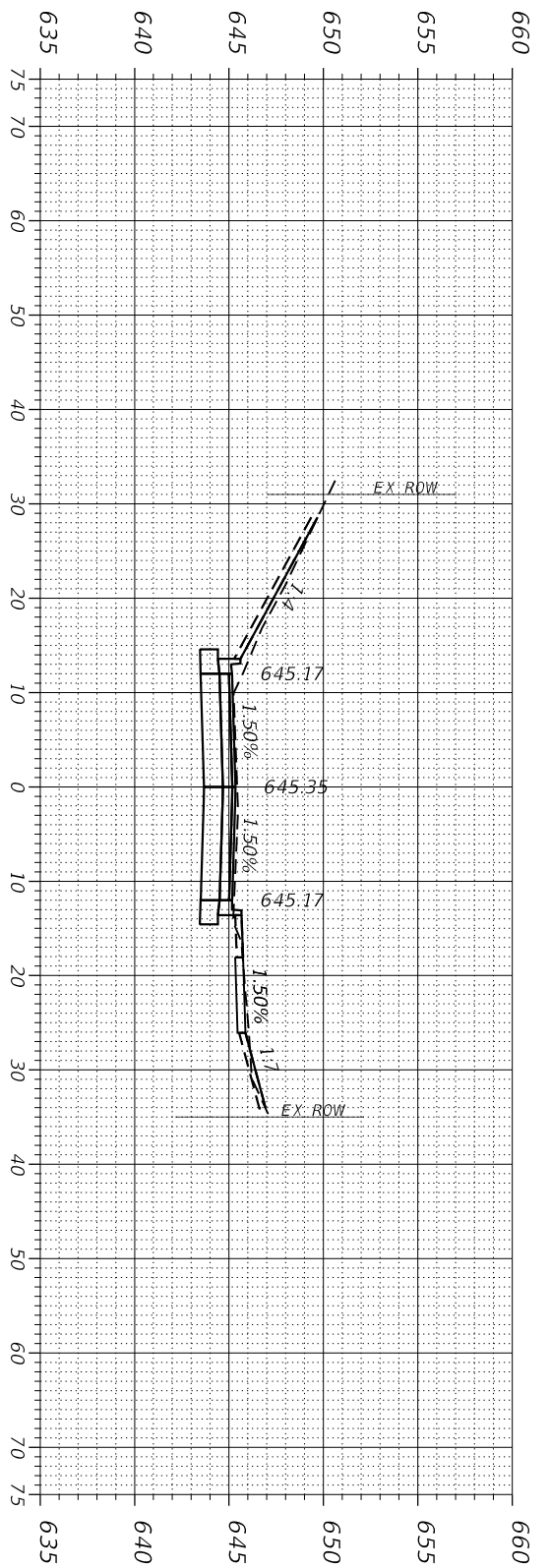
48 + 00.00
 C = 49.31 Sq. Ft.
 F = 4.34 Sq. Ft.



47 + 90.79
 C = 46.70 Sq. Ft.
 F = 4.21 Sq. Ft.



47 + 50.00
 C = 44.98 Sq. Ft.
 F = 3.63 Sq. Ft.



47 + 00.00
 C = 47.81 Sq. Ft.
 F = 3.74 Sq. Ft.

DATE PLOTTED = 2/26/2020 12:36:27 PM
 PEN TABLE = N:\Projects\100298955\01_00298955.dwg
 PLOT CONFIG = N:\Projects\100298955\01_00298955.dwg
 FILE NAME = N:\Projects\100298955\01_00298955.dwg



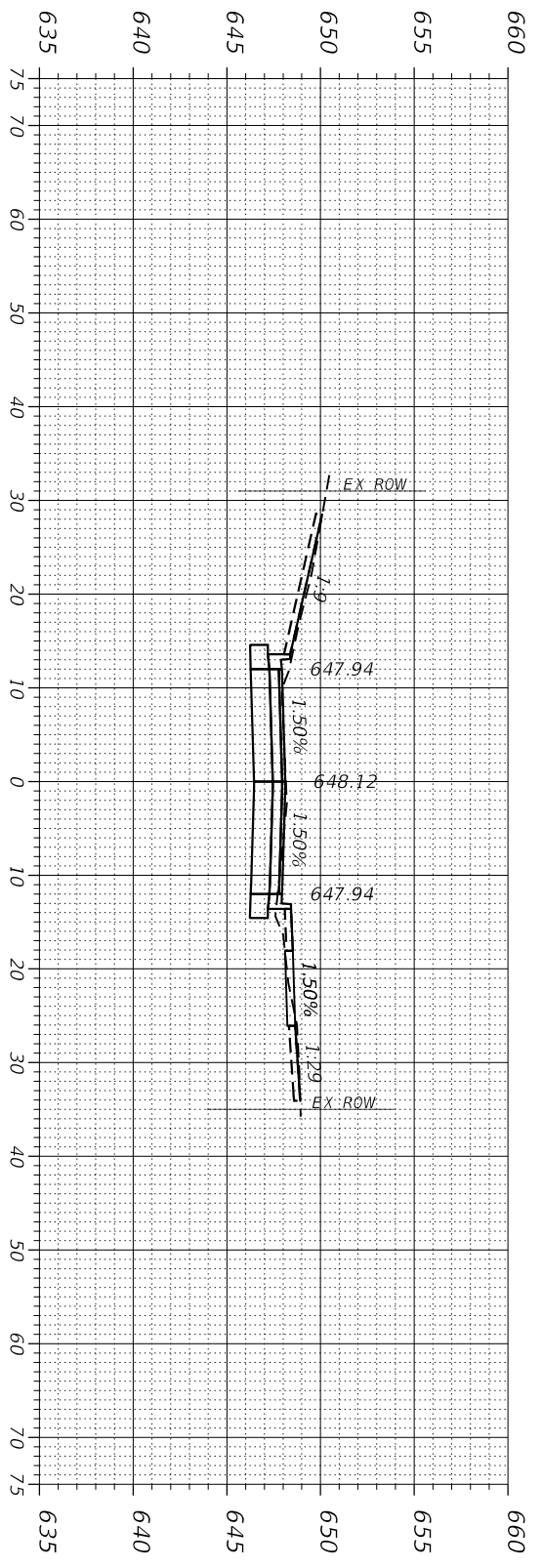
USER NAME = Roadway	DESIGNED - ES	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - ES	REVISED -
PLOT DATE = 2/26/2020	CHECKED - DJO	REVISED -
	DATE - 2/26/2020	REVISED -

CITY OF HIGHLAND PARK

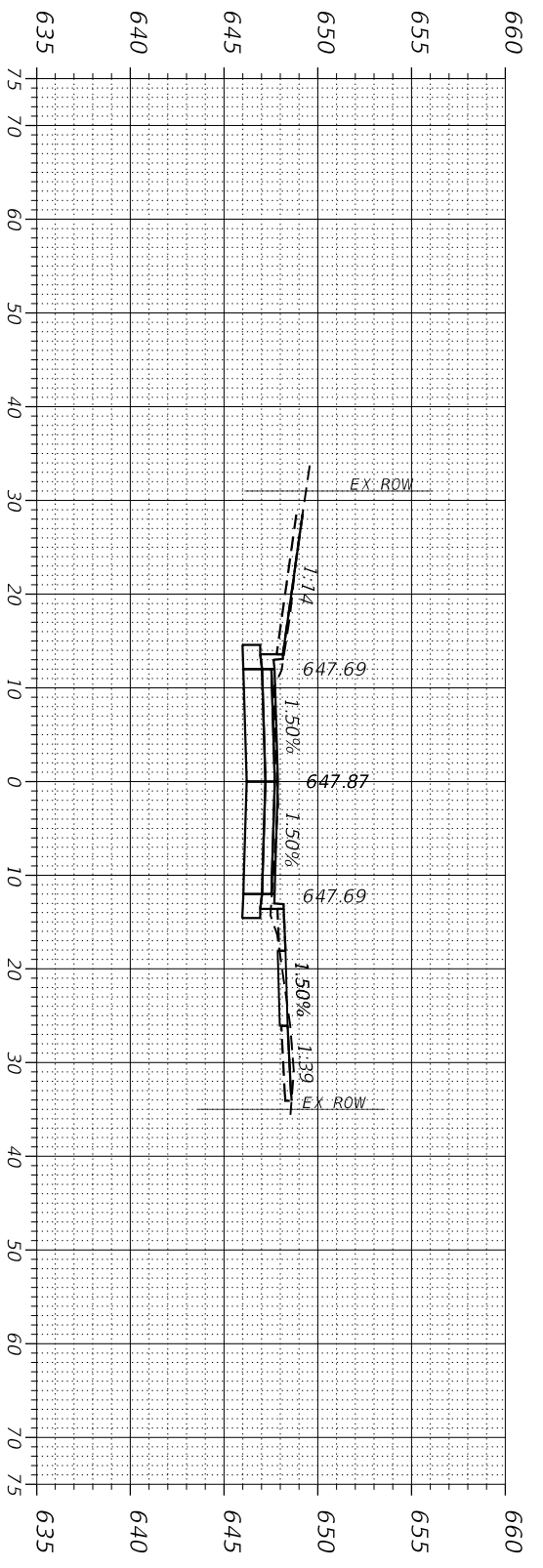
CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION CROSS SECTIONS

SCALE: SHEET NO. 19 OF 30 SHEETS STA. TO STA.

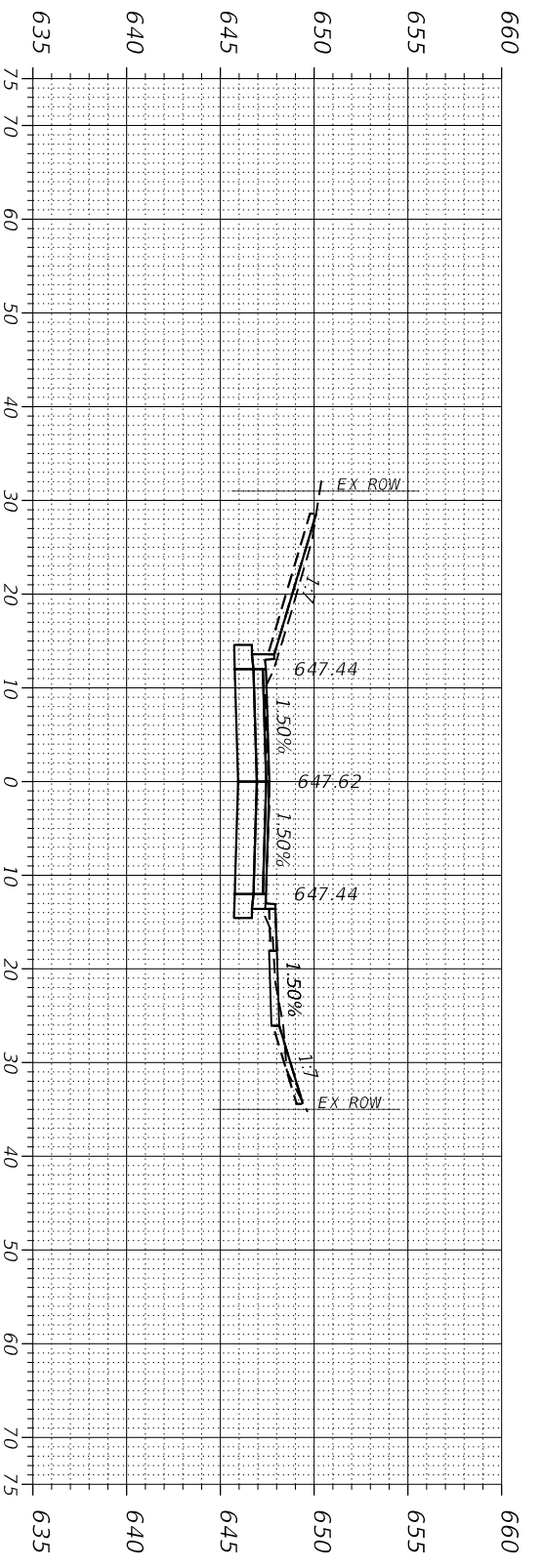
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	142
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



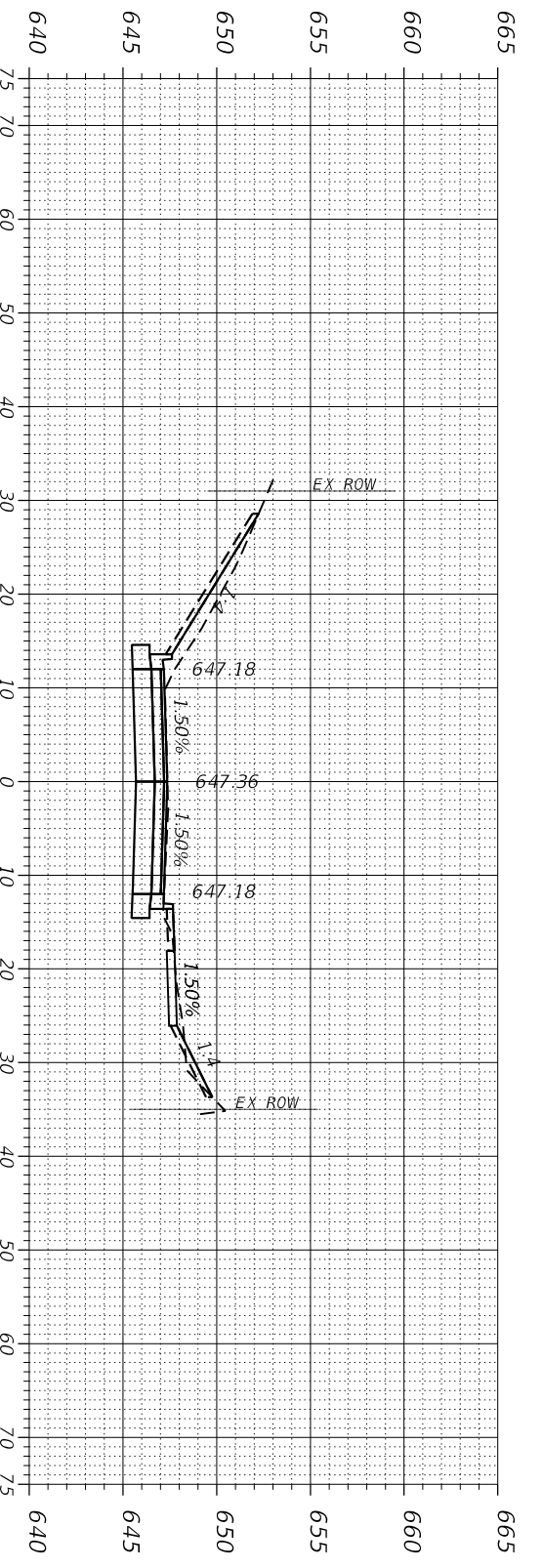
50 + 00.00
 C = 41.55 Sq. Ft.
 F = 5.40 Sq. Ft.



49 + 50.00
 C = 40.87 Sq. Ft.
 F = 4.19 Sq. Ft.



49 + 00.00
 C = 43.63 Sq. Ft.
 F = 4.86 Sq. Ft.



48 + 50.00
 C = 50.62 Sq. Ft.
 F = 3.89 Sq. Ft.

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

SCALE: SHEET NO. 20 OF 30 SHEETS STA. TO STA.

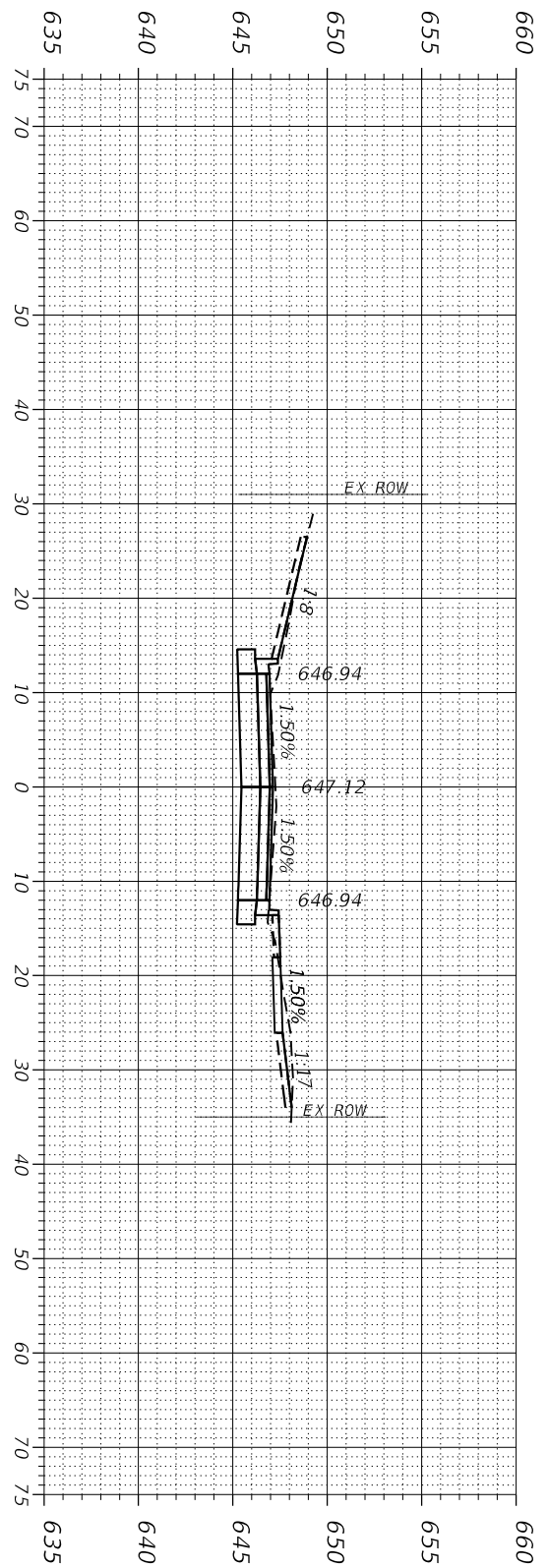
FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 143
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

**CITY OF
 HIGHLAND PARK**

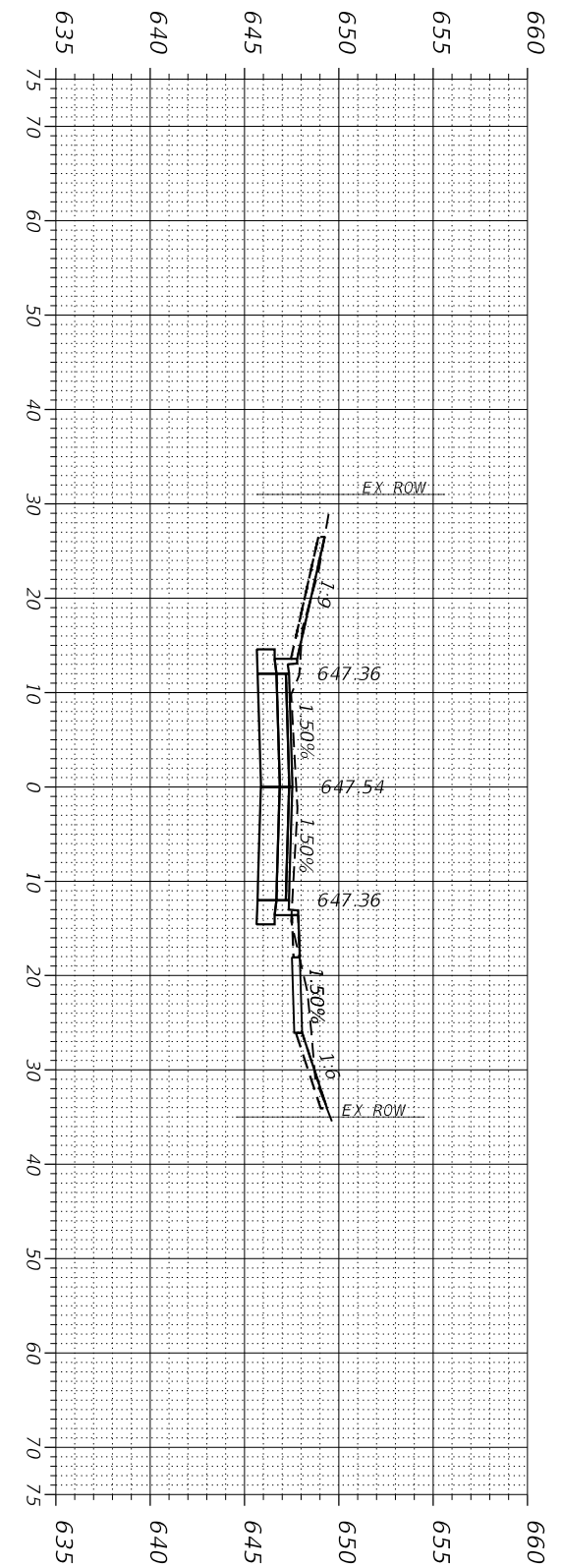
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -



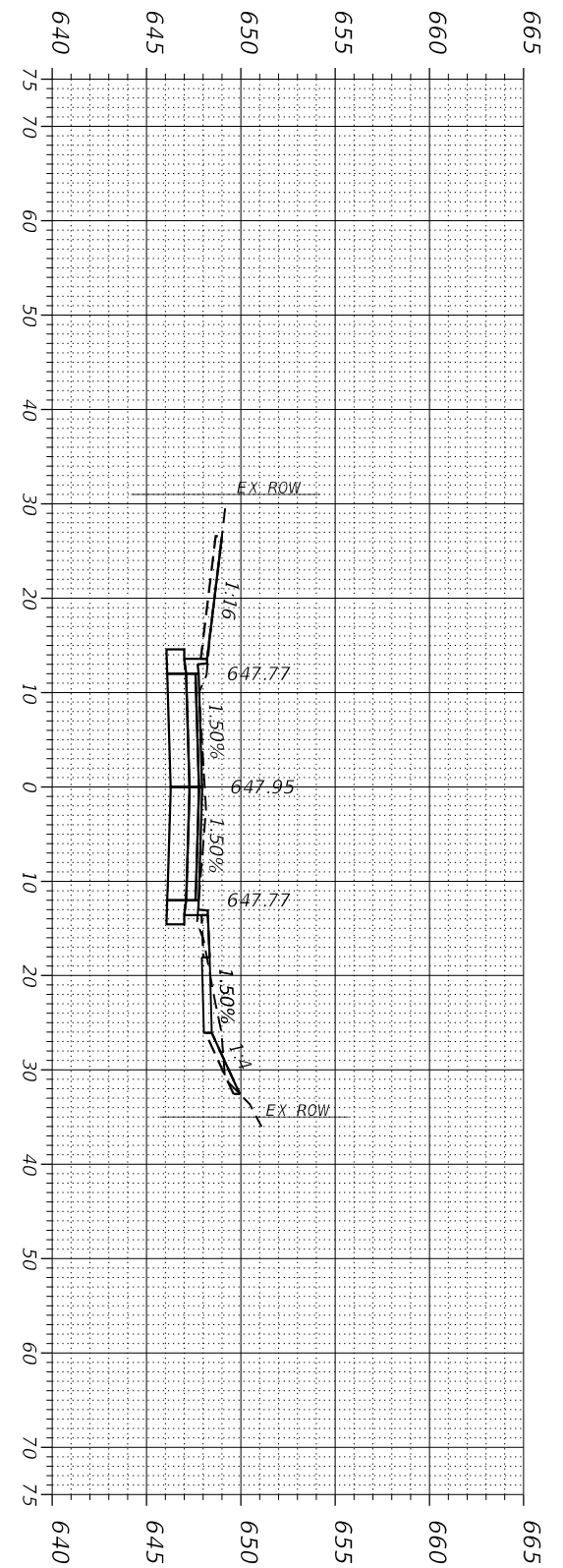
DATE PLOTTED = 2/26/2020 2:13:27 PM
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 PLOT CONFIG = N:\VPROJ\08229165.dwg\Design\15\sections\15-00125-00-PV.dgn



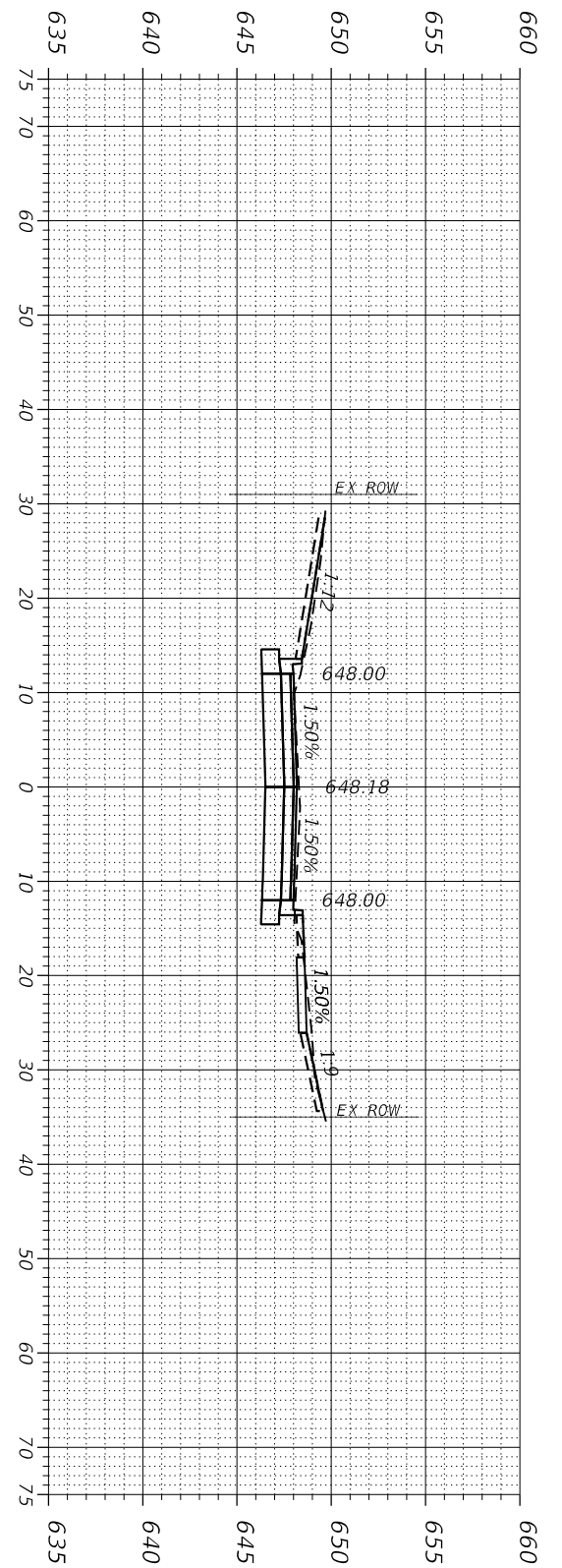
52 + 00.00
 C = 44.70 Sq. Ft.
 F = 2.98 Sq. Ft.



51 + 50.00
 C = 44.29 Sq. Ft.
 F = 2.91 Sq. Ft.



51 + 00.00
 C = 44.03 Sq. Ft.
 F = 4.05 Sq. Ft.



50 + 50.00
 C = 47.43 Sq. Ft.
 F = 3.37 Sq. Ft.

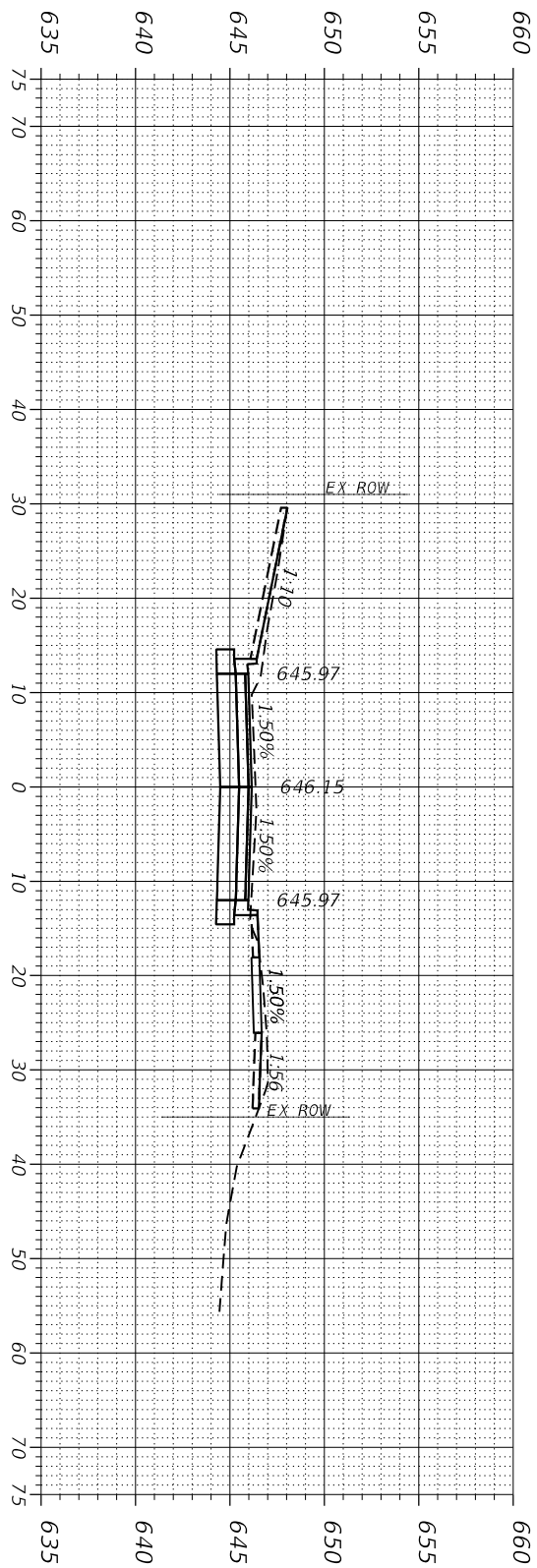
CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION		FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 144
CROSS SECTIONS		SCALE: STA. TO STA.		CONTRACT NO. ILLINOIS FED. AID PROJECT		

CITY OF HIGHLAND PARK

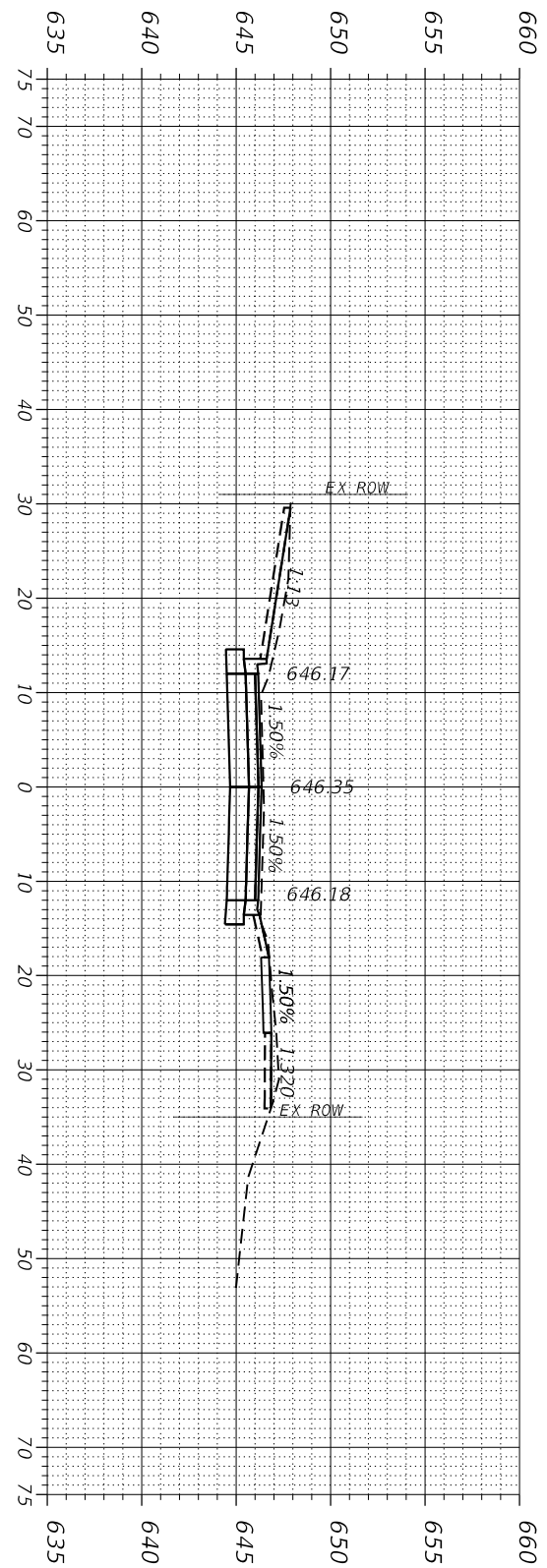
DESIGNED - ES	REVISIONS
DRAWN - ES	REVISIONS
CHECKED - DJO	REVISIONS
DATE - 2/26/2020	REVISIONS

CiorbaGroup
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

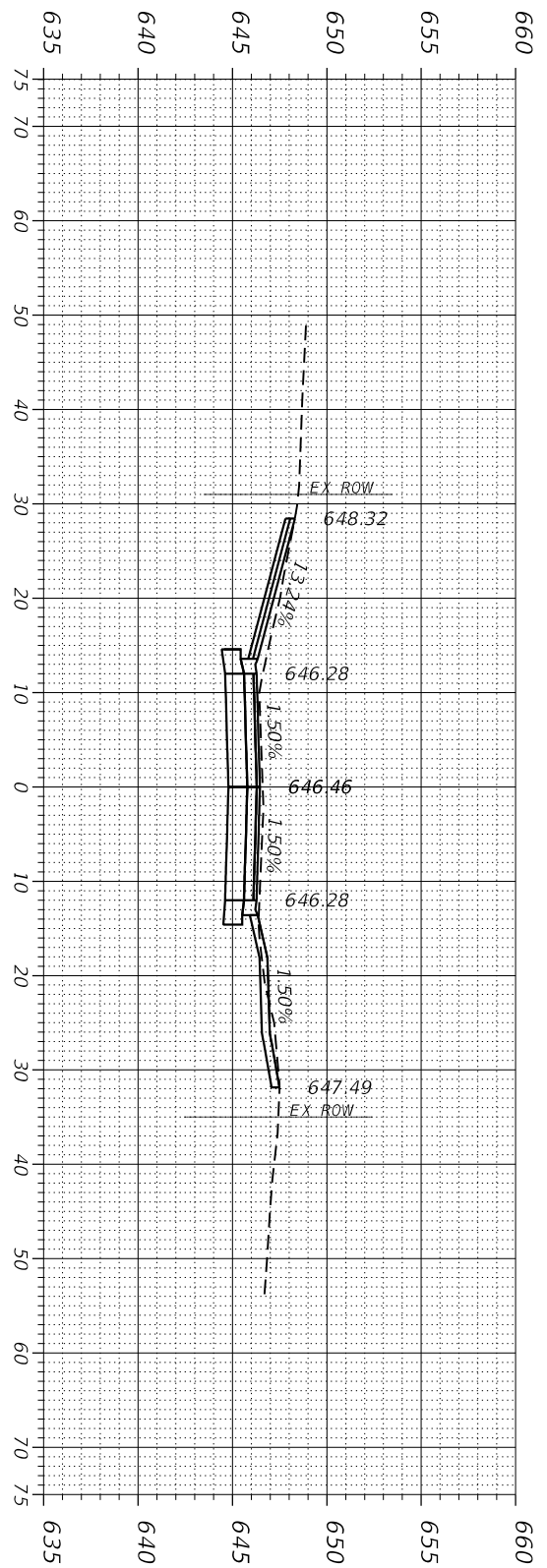
DATE PLOTTED = 2/26/2020 2:13:27 PM
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 FILE NAME = N:\PDU\0829\0521\Design\15\sections\150229\0521.dwg



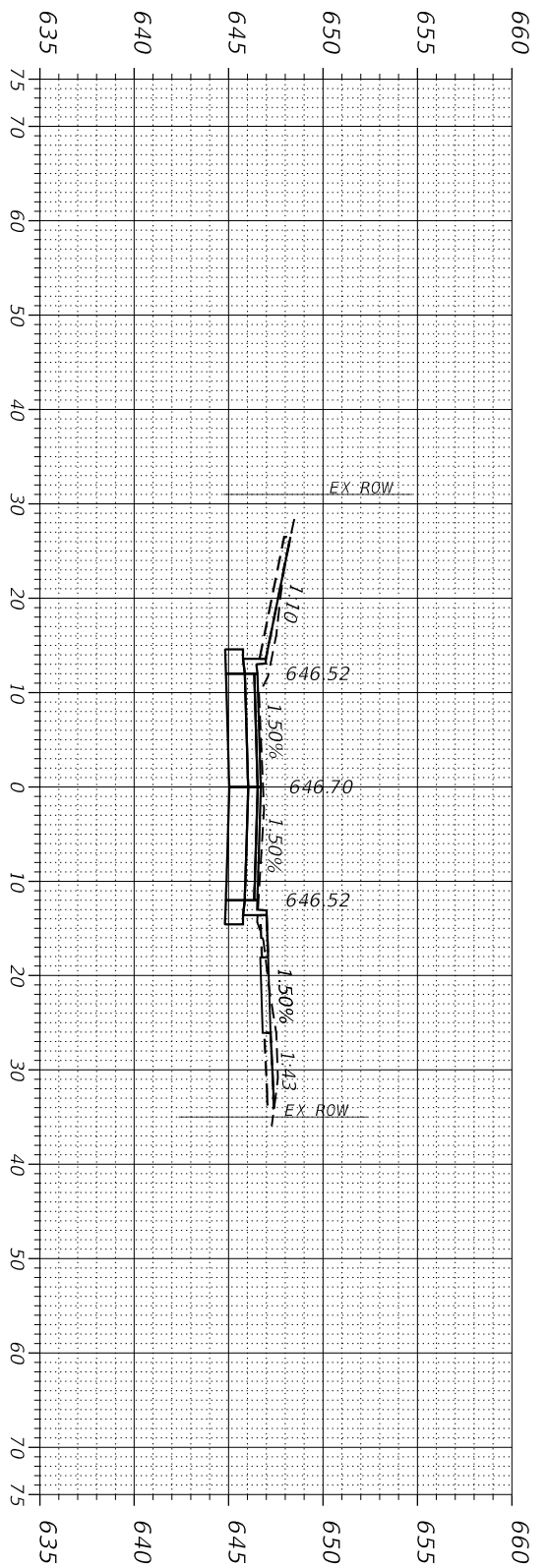
53 + 50.00
 C = 53.41 Sq. Ft.
 F = 2.31 Sq. Ft.



53 + 00.00
 C = 55.03 Sq. Ft.
 F = 2.03 Sq. Ft.



52 + 78.93
 C = 44.12 Sq. Ft.
 F = 2.91 Sq. Ft.



52 + 50.00
 C = 48.20 Sq. Ft.
 F = 3.26 Sq. Ft.

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
CROSS SECTIONS

SCALE: SHEET NO. 22 OF 30 SHEETS STA. TO STA.

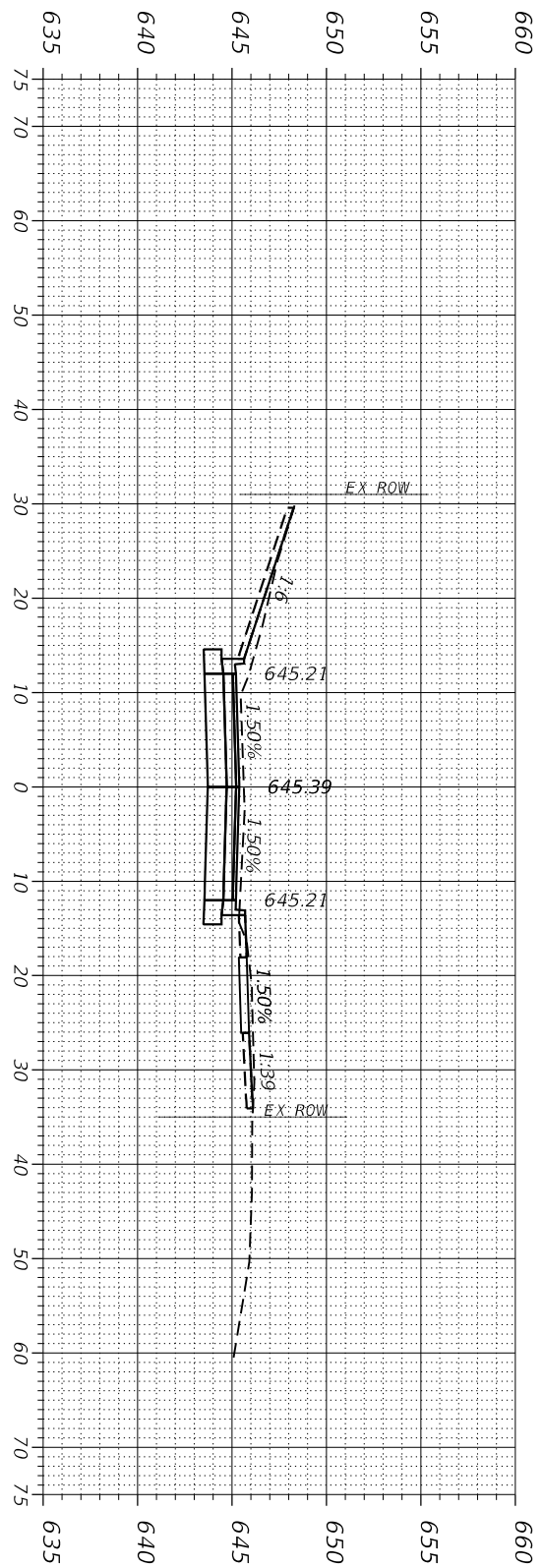
FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 145
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

**CITY OF
 HIGHLAND PARK**

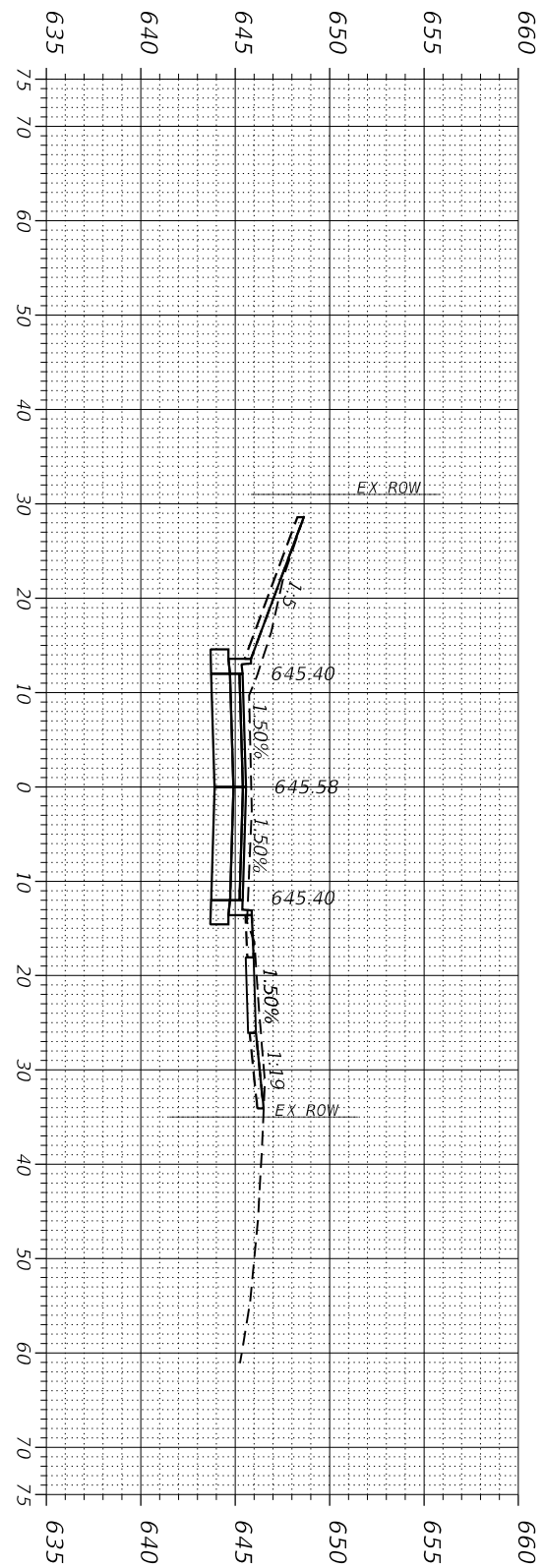
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -



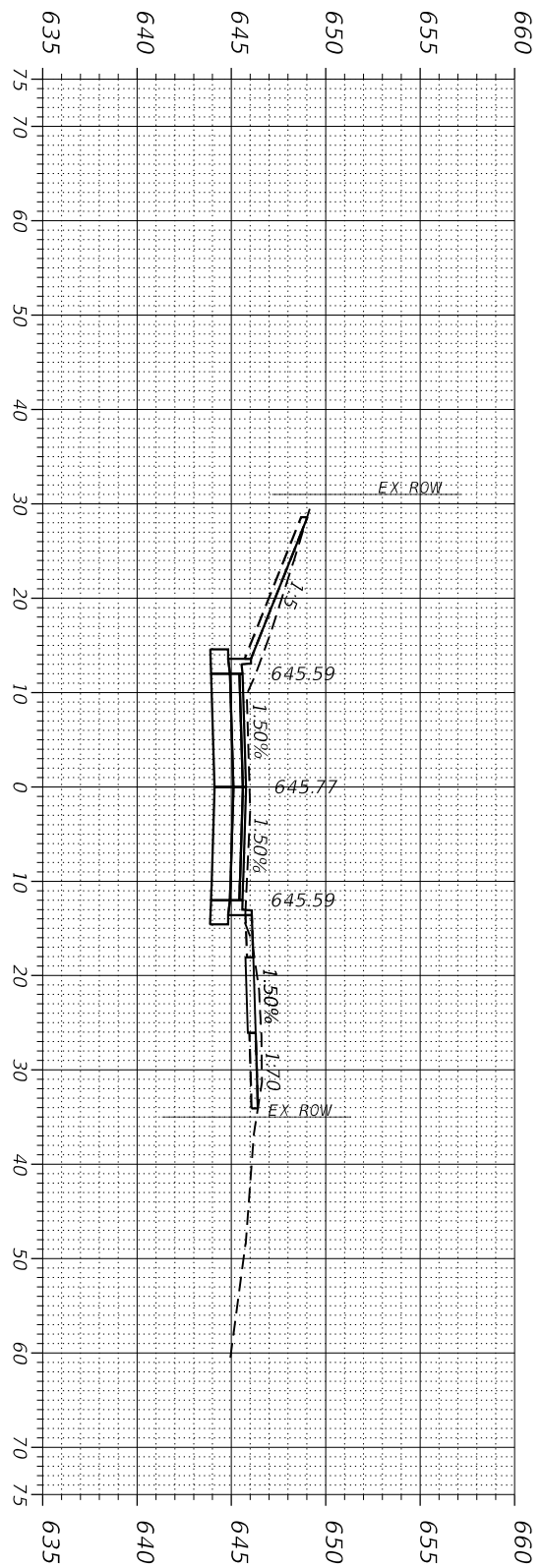
DATE PLOTTED = 2/26/2020 2:13:53 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



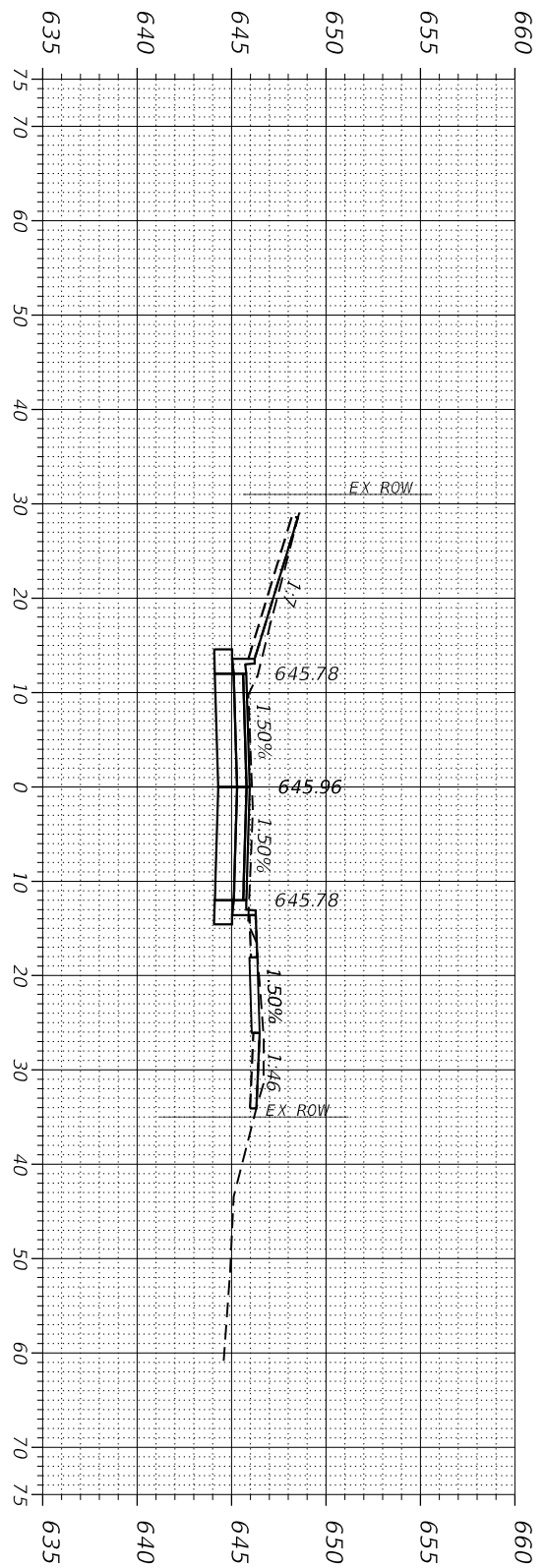
55 + 50.00
 C = 54.24 Sq. Ft.
 F = 2.05 Sq. Ft.



55 + 00.00
 C = 56.51 Sq. Ft.
 F = 1.88 Sq. Ft.



54 + 50.00
 C = 55.36 Sq. Ft.
 F = 2.53 Sq. Ft.



54 + 00.00
 C = 50.18 Sq. Ft.
 F = 2.23 Sq. Ft.

DATE PLOTTED = 2/26/2020 2:13:53 PM
 PEN TABLE = N:\Standards\CAD\Bentley\standards\11-001\plotstruc\cgt-plc1c1c1g
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 FILE NAME =



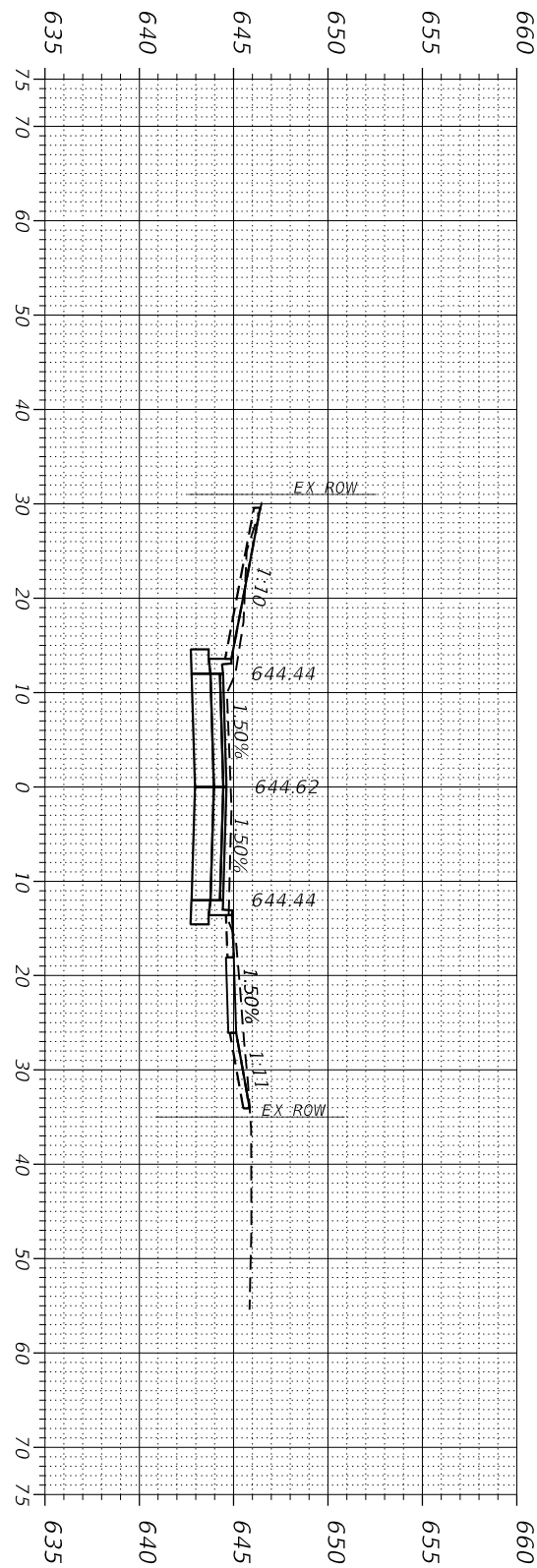
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
 HIGHLAND PARK**

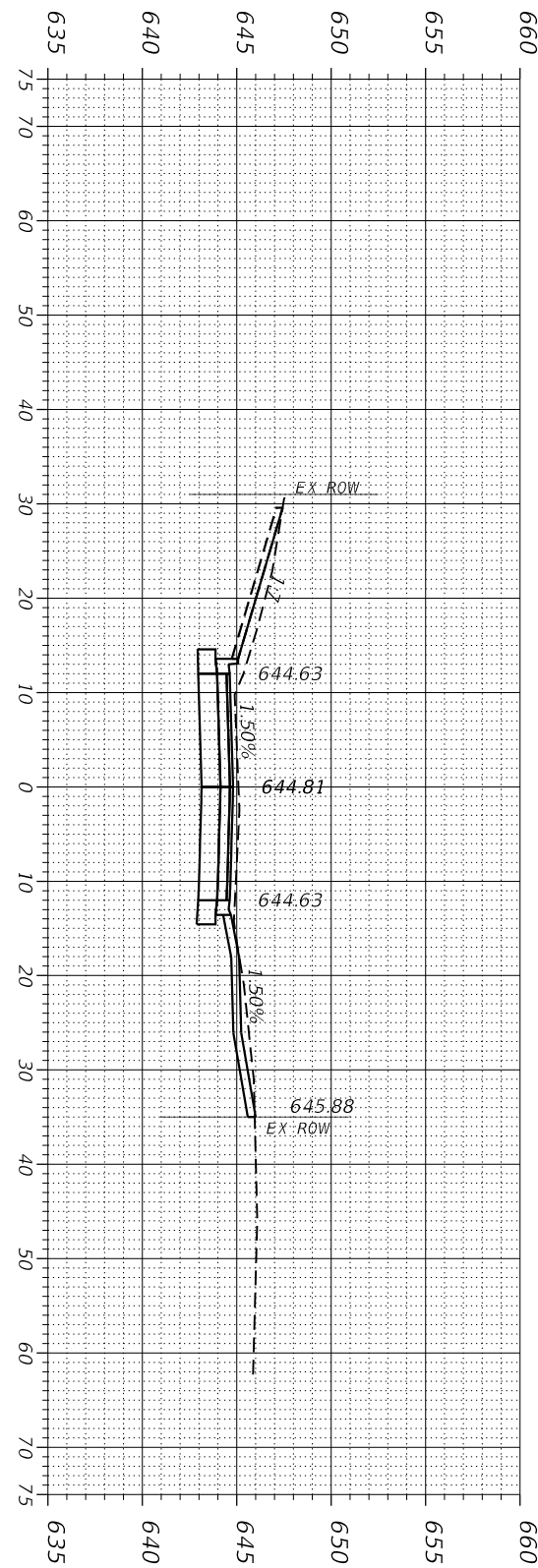
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

SCALE: SHEET NO. 23 OF 30 SHEETS STA. TO STA.

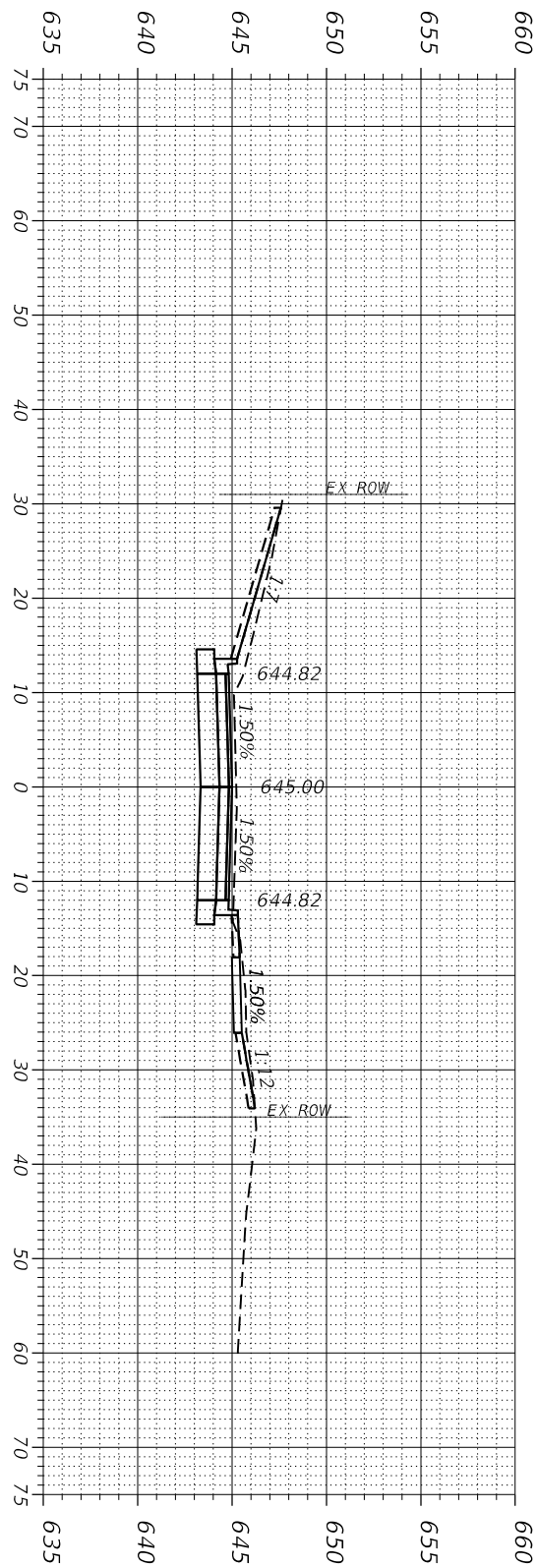
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	146
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



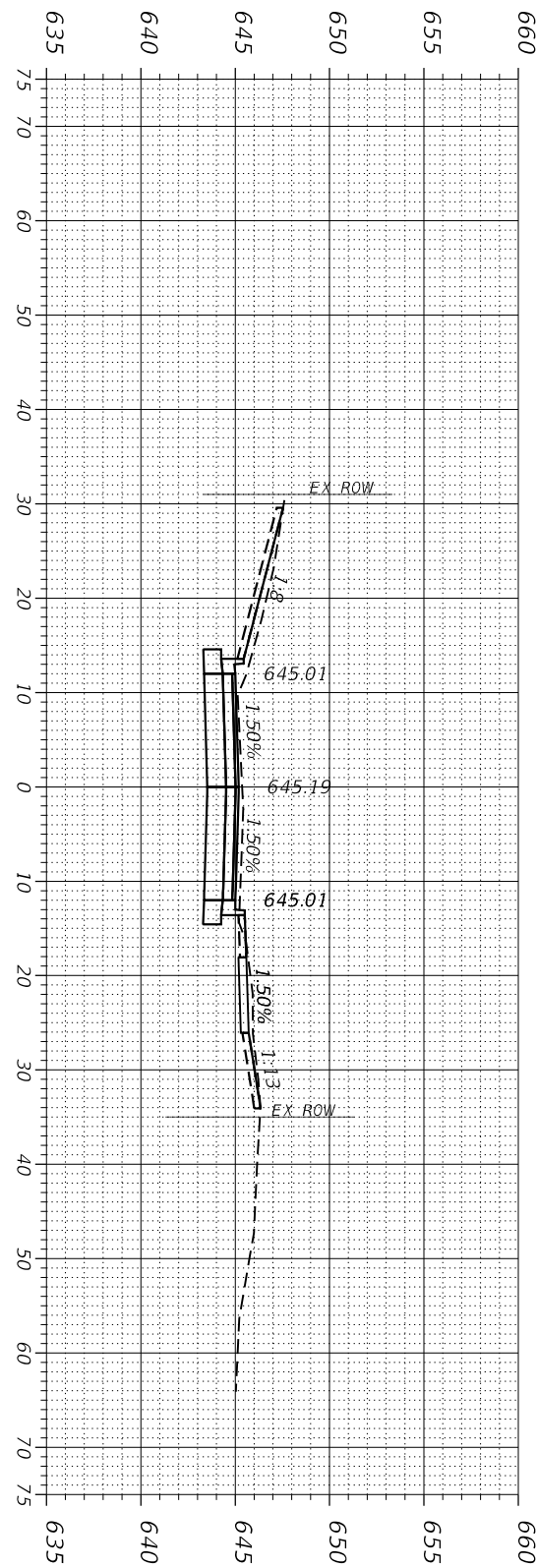
57 + 50.00
 C = 52.72 Sq. Ft.
 F = 1.63 Sq. Ft.



57 + 00.00
 C = 57.98 Sq. Ft.
 F = 1.40 Sq. Ft.



56 + 50.00
 C = 57.06 Sq. Ft.
 F = 1.83 Sq. Ft.



56 + 00.00
 C = 54.54 Sq. Ft.
 F = 2.04 Sq. Ft.

DATE PLOTTED = 2/26/2020 2:13:53 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



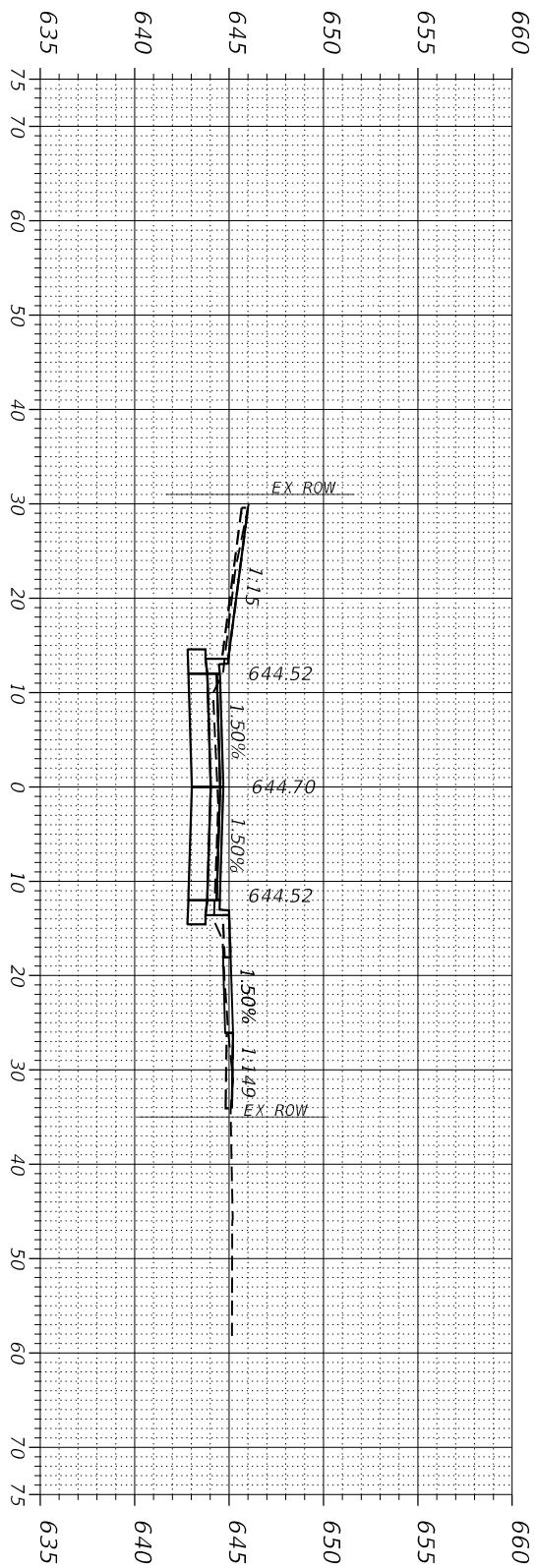
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
 HIGHLAND PARK**

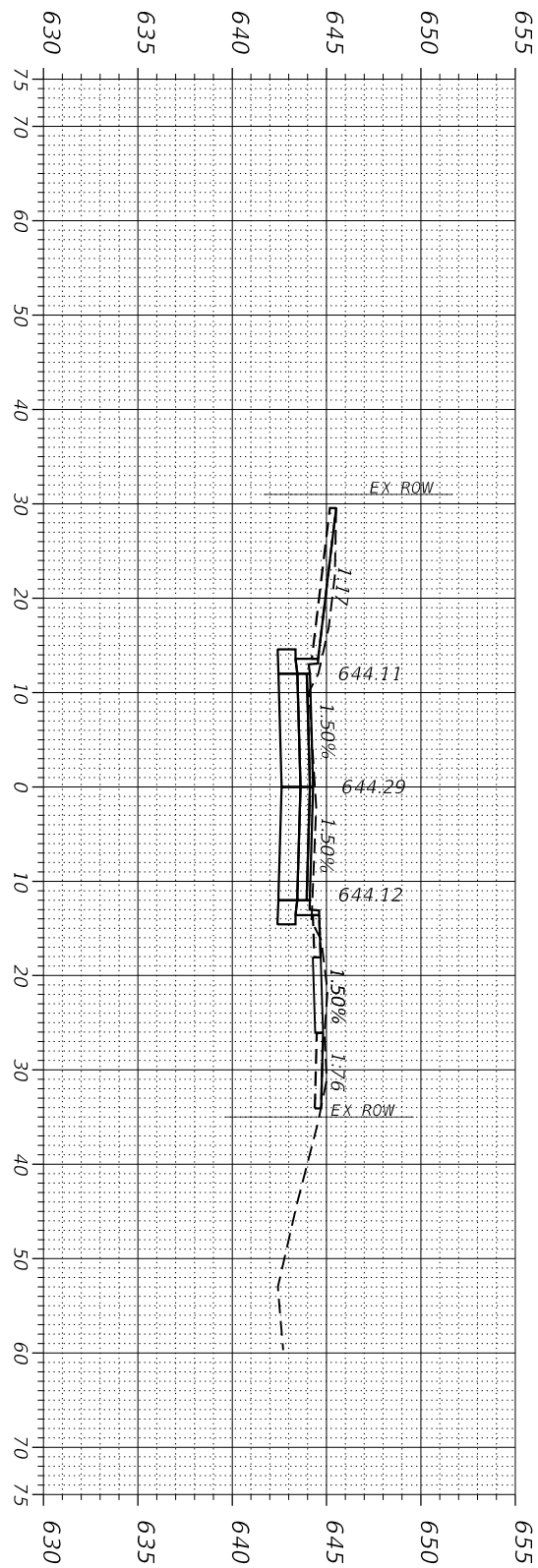
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

SCALE: SHEET NO. 24 OF 30 SHEETS STA. TO STA.

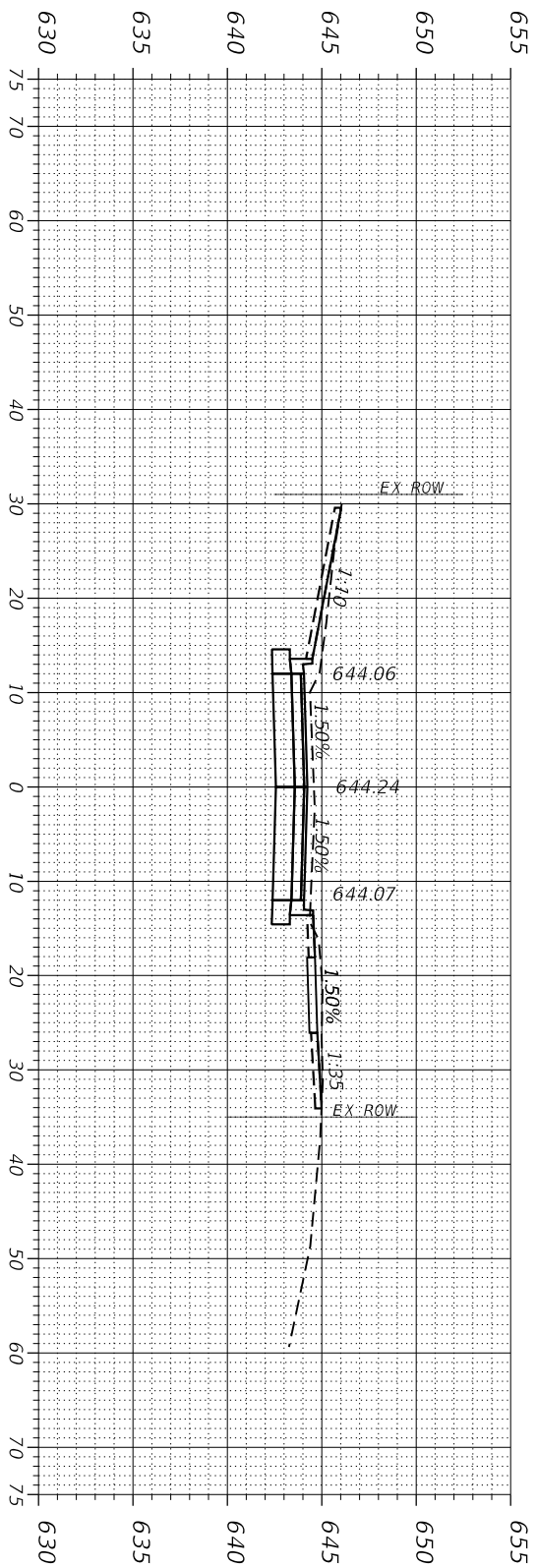
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	147
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



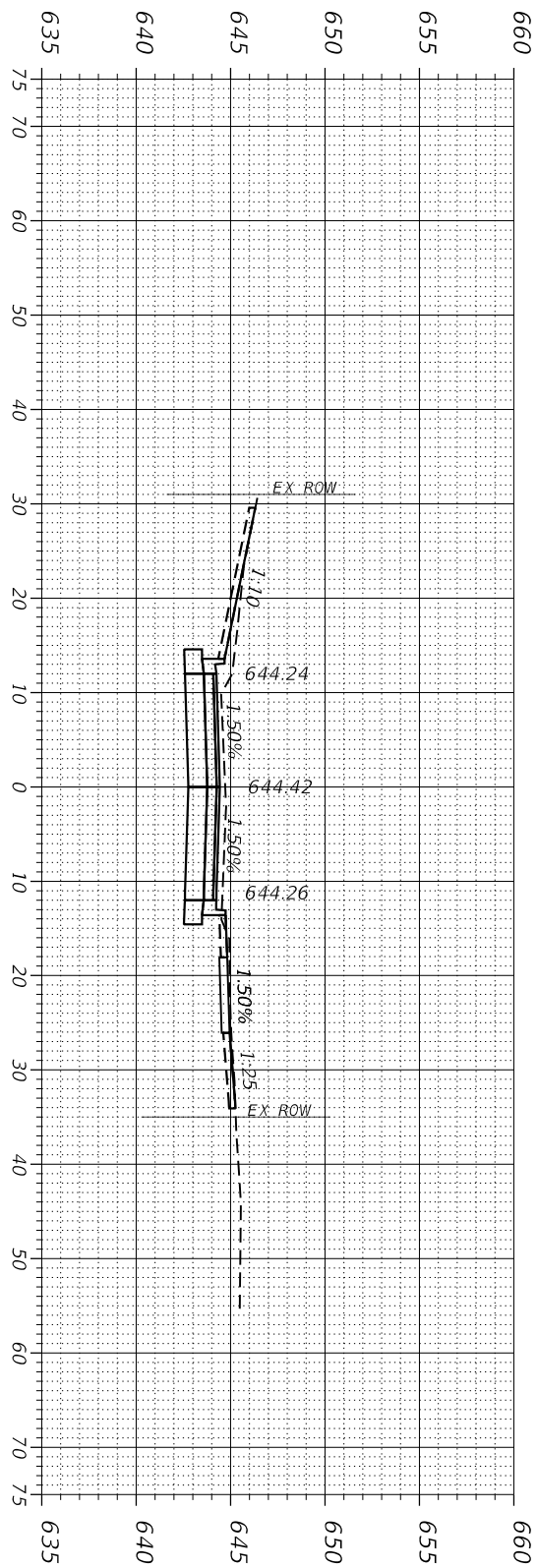
59 + 00.00
 C = 29.95 Sq. Ft.
 F = 6.98 Sq. Ft.



59 + 00.00
 C = 50.53 Sq. Ft.
 F = 2.03 Sq. Ft.



58 + 50.00
 C = 58.13 Sq. Ft.
 F = 1.48 Sq. Ft.



58 + 00.00
 C = 53.75 Sq. Ft.
 F = 1.69 Sq. Ft.

DATE PLOTTED = 2/26/2020 2:13:53 PM
 PEN TABLE =
 PLOT CONFIG =
 FILE NAME =



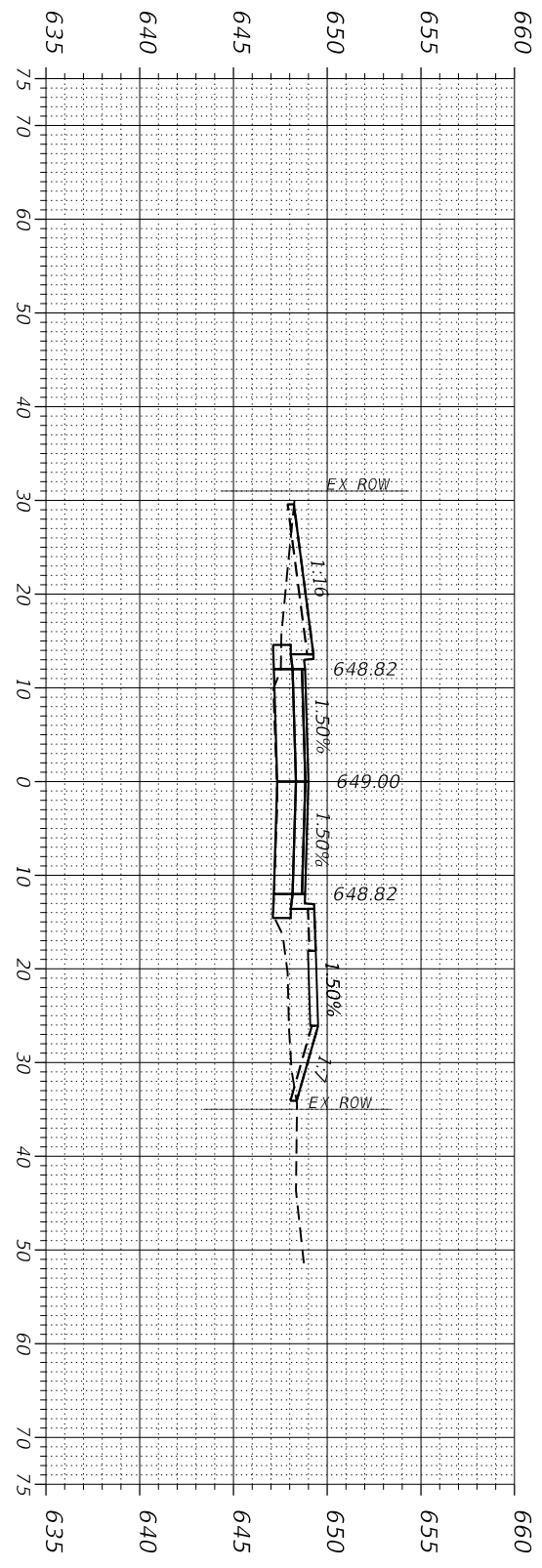
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
 HIGHLAND PARK**

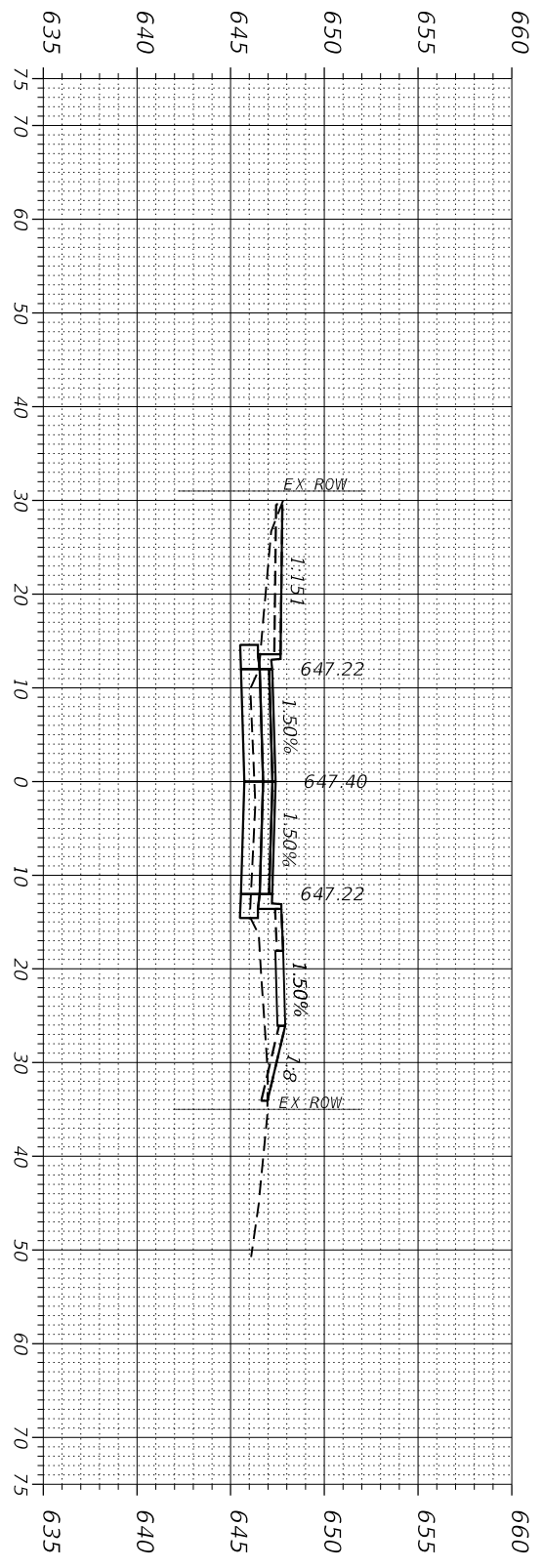
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

SCALE: SHEET NO. 25 OF 30 SHEETS STA. TO STA.

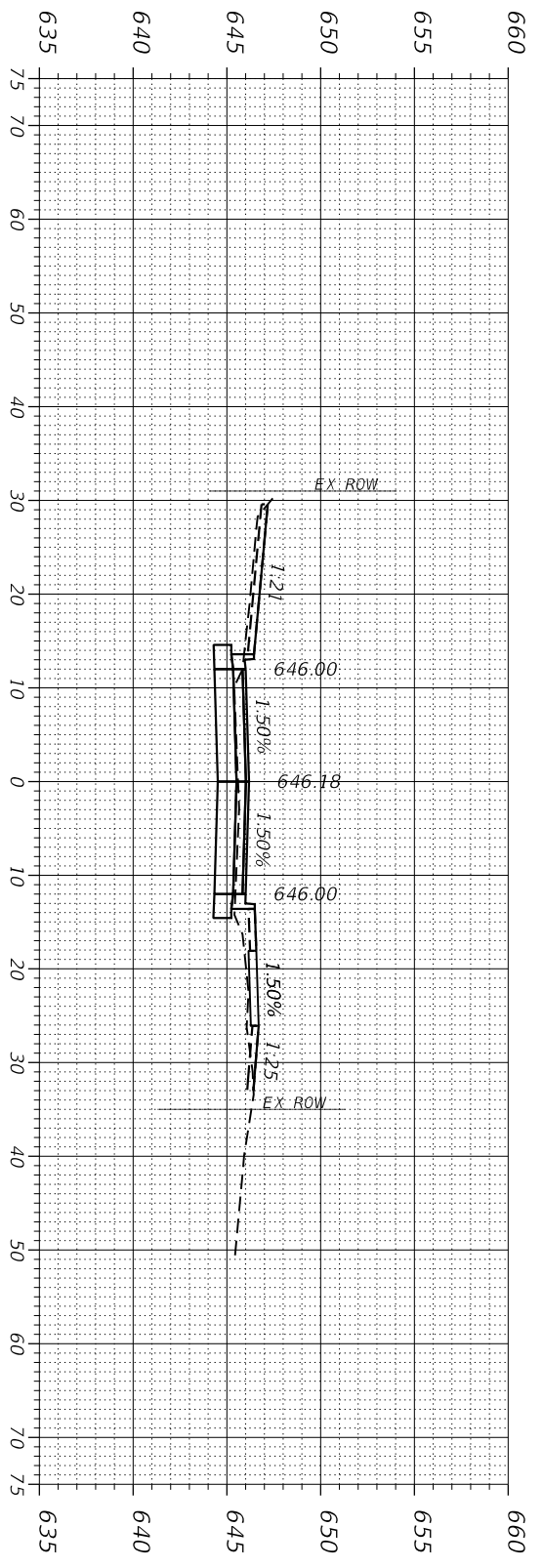
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	148
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



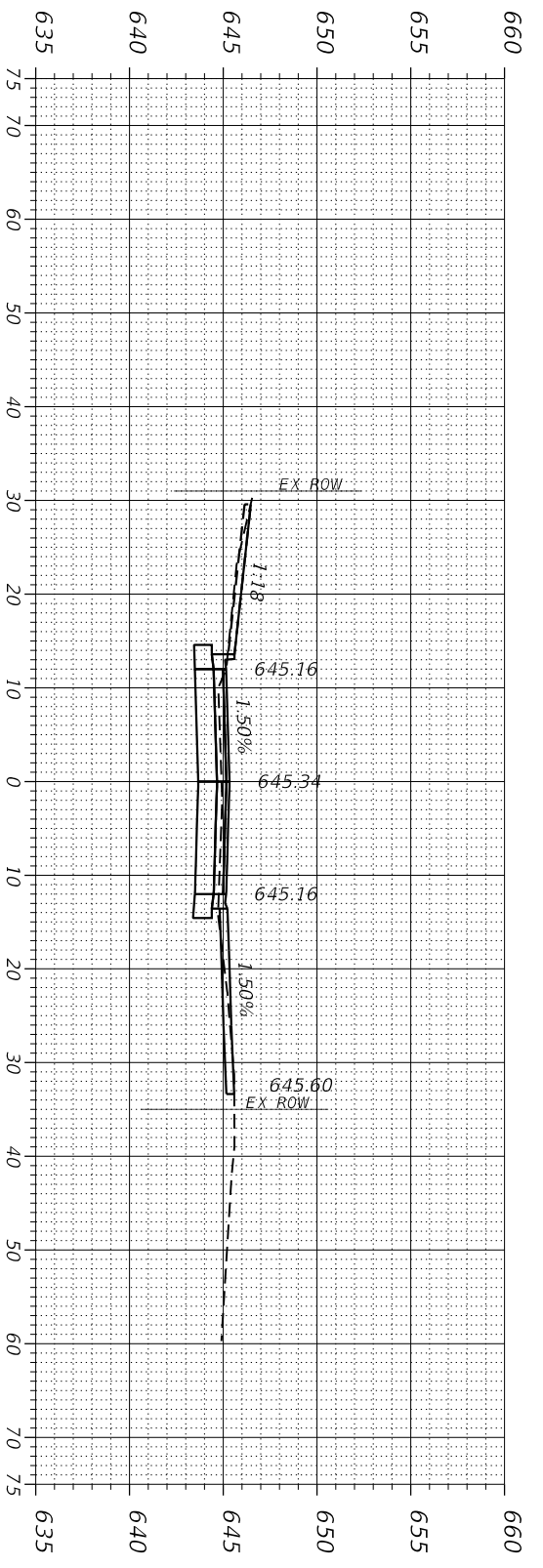
61 + 50.00
C = 2.06 Sq. Ft.
F = 49.94 Sq. Ft.



61 + 00.00
C = 4.40 Sq. Ft.
F = 26.92 Sq. Ft.



60 + 50.00
C = 19.50 Sq. Ft.
F = 13.29 Sq. Ft.



60 + 00.00
C = 24.07 Sq. Ft.
F = 11.03 Sq. Ft.

DATE PLOTTED = 2/26/2020 2:13:54 PM
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PLOT CONFIG = N:\PROJ\08229\052\01\Design\1\sections\08229\052\01\sssh01_36.dgn
FILE NAME =

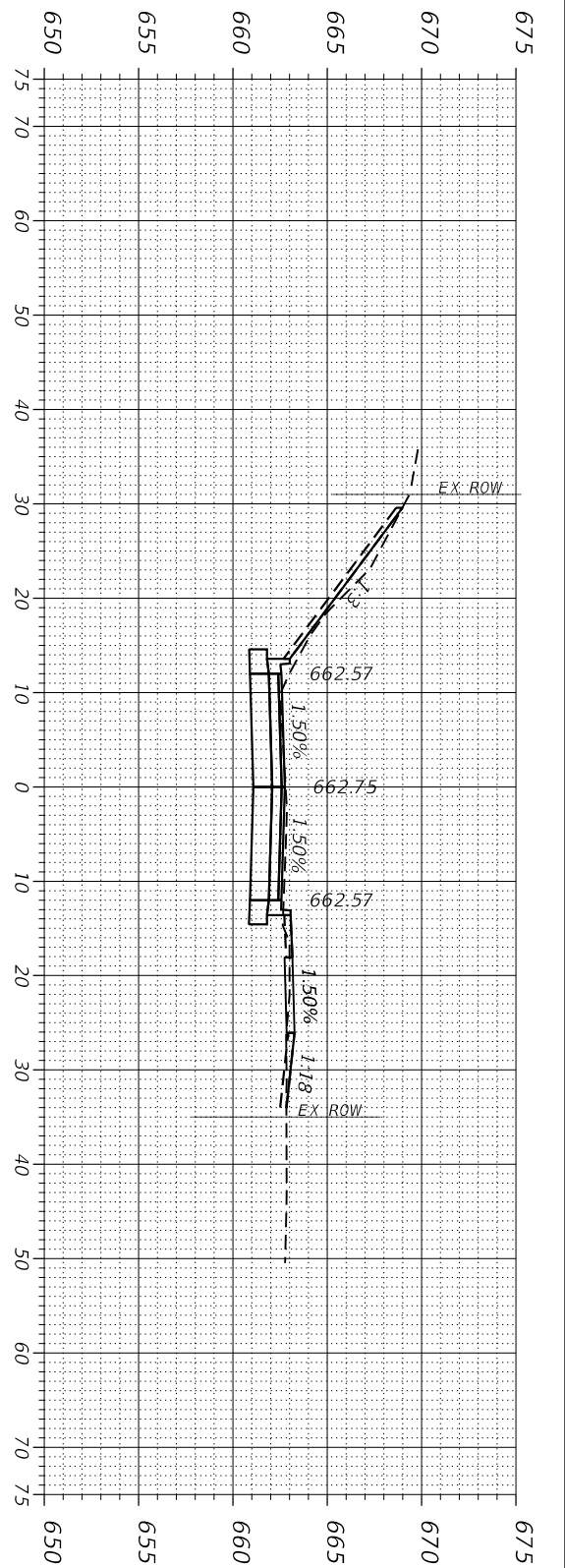


USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

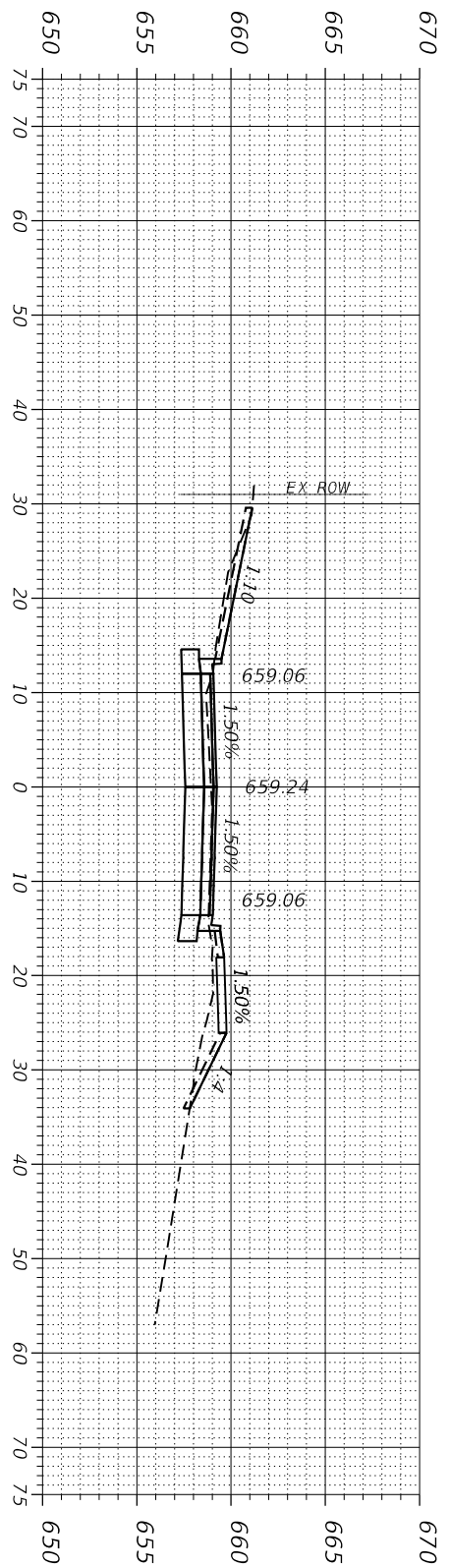
**CITY OF
HIGHLAND PARK**

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION	
CROSS SECTIONS	
SCALE:	TO STA.

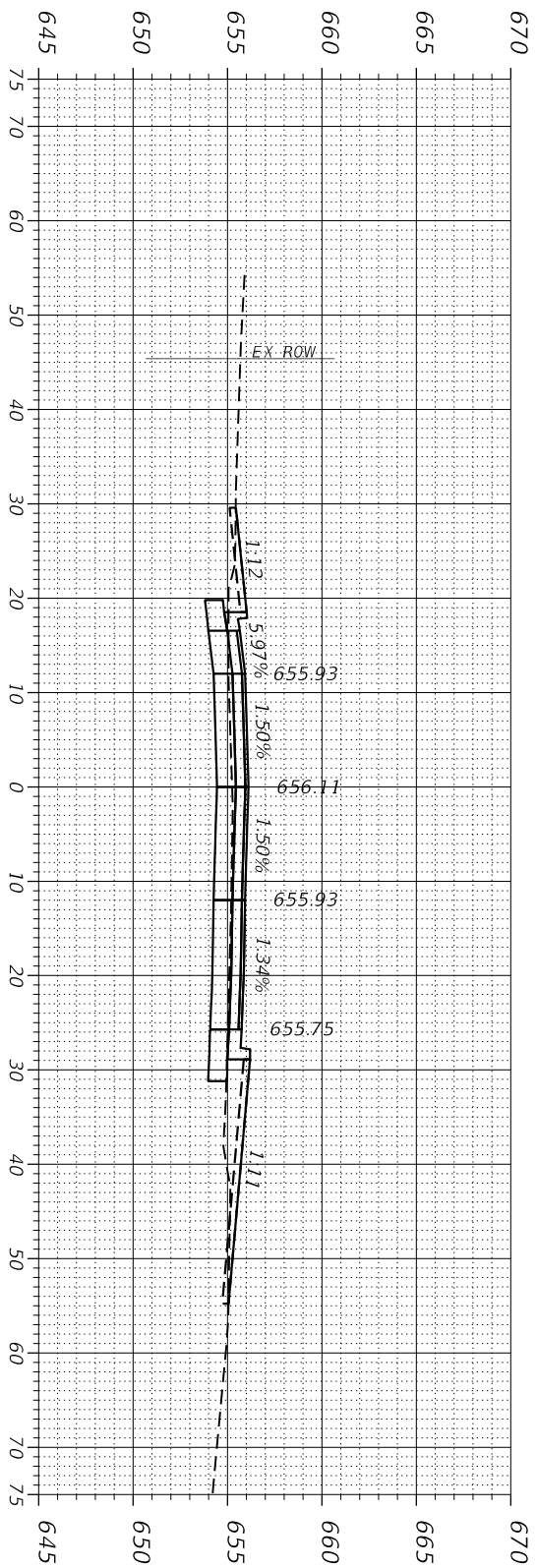
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	149
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



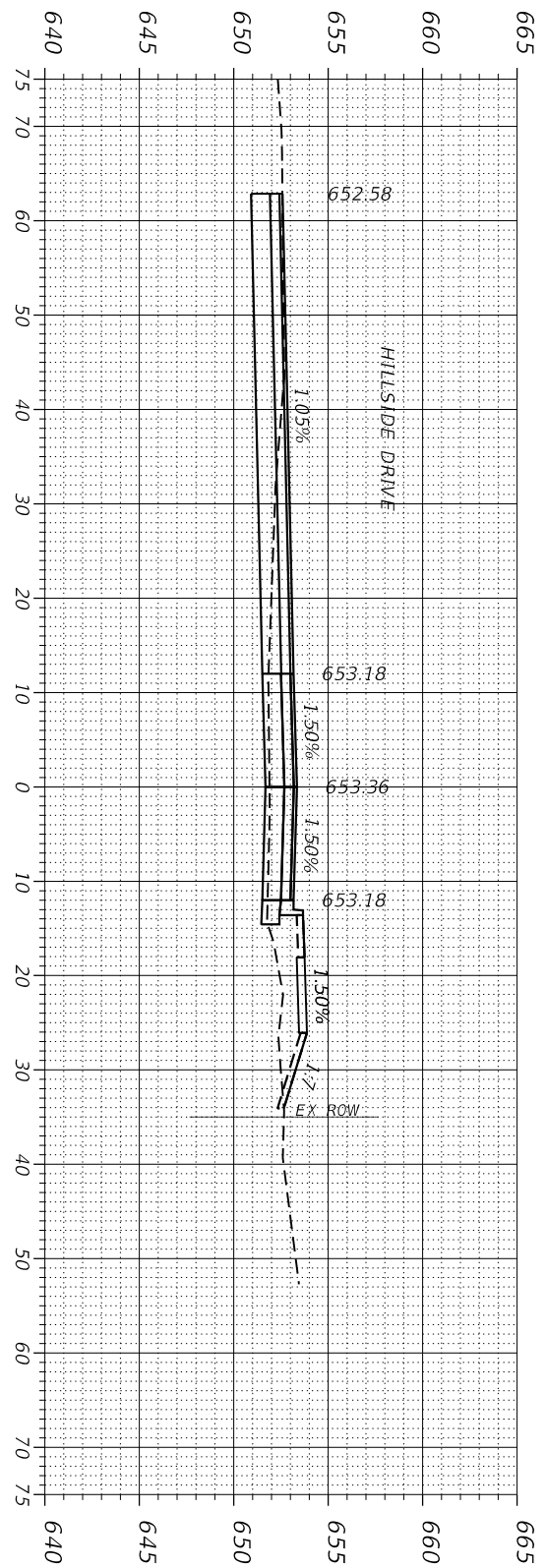
64 + 00.00
 C = 47.67 Sq. Ft.
 F = 5.92 Sq. Ft.



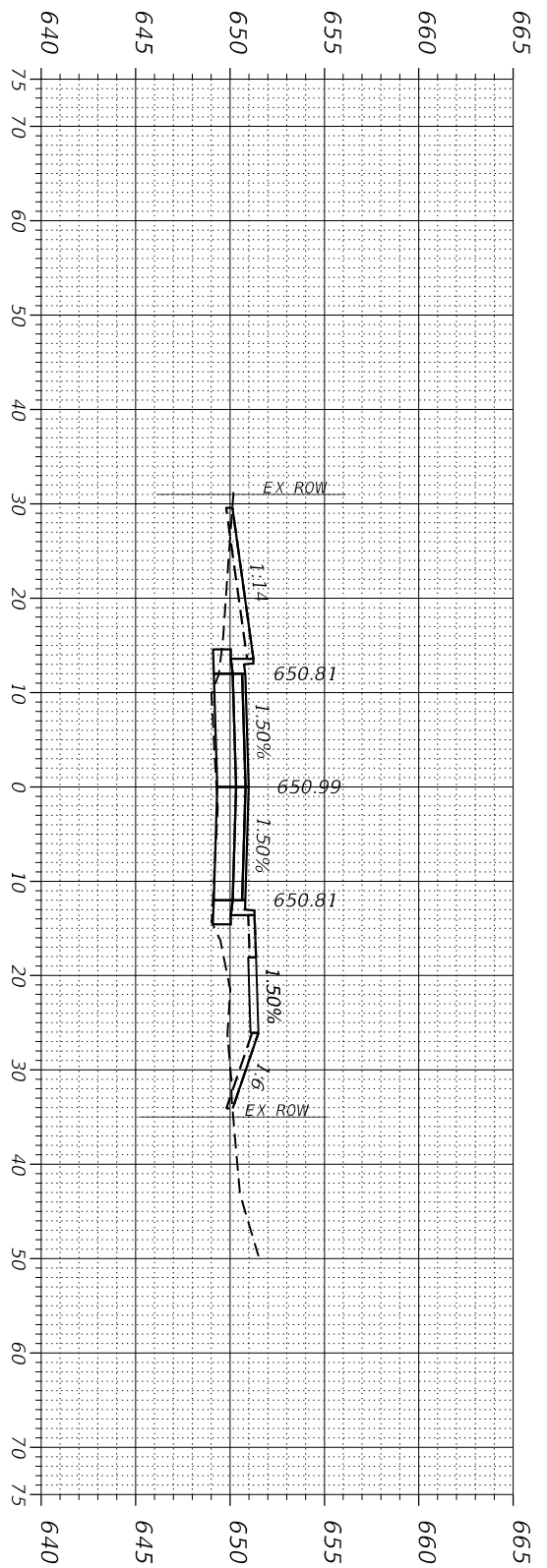
63 + 50.00
 C = 28.75 Sq. Ft.
 F = 13.16 Sq. Ft.



63 + 00.00
 C = 23.24 Sq. Ft.
 F = 19.40 Sq. Ft.



62 + 50.00
 C = 33.18 Sq. Ft.
 F = 31.13 Sq. Ft.



62 + 00.00
 C = 1.76 Sq. Ft.
 F = 50.26 Sq. Ft.

DATE PLOTTED = 2/26/2020 2:13:54 PM
 PEN TABLE = N:\S:\standards\CAD\Bentley\standards\IL\DOT\Plotstyle\color.ctb
 PLOT CONFIG = N:\VPROJ\0029955.dwg\Design\15sections\0029955.dwg\sheet01_36.dgn

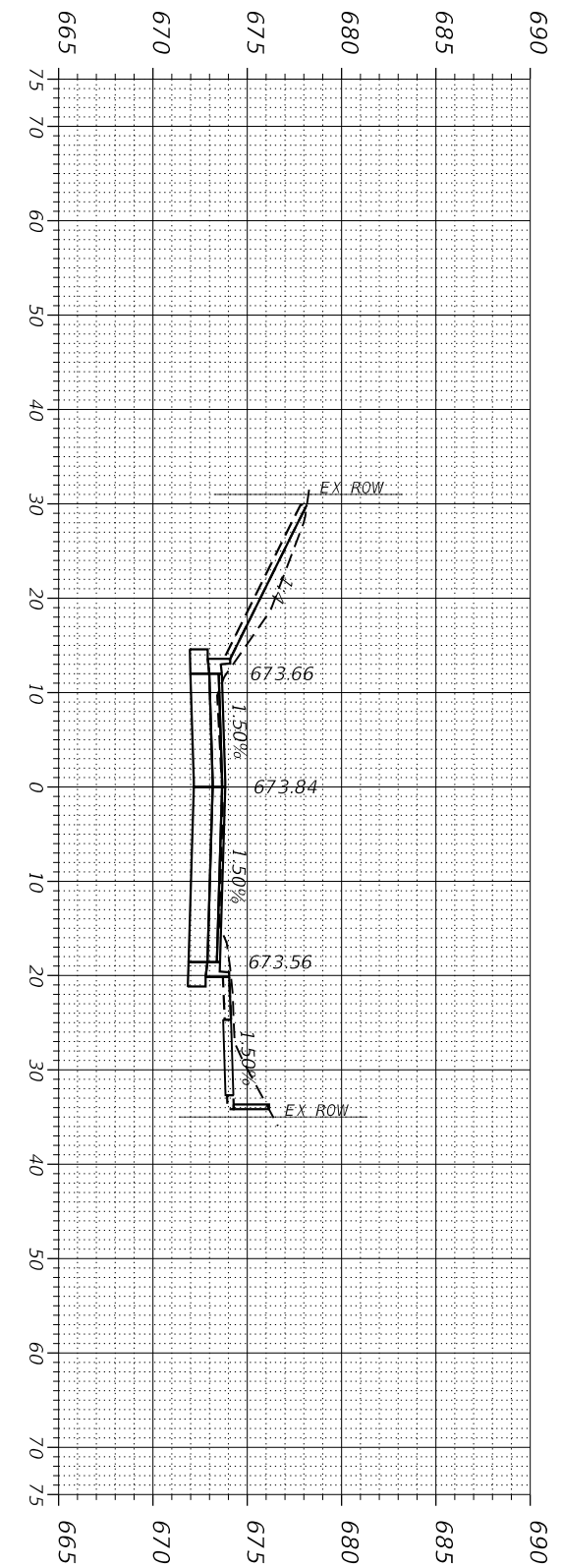


USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

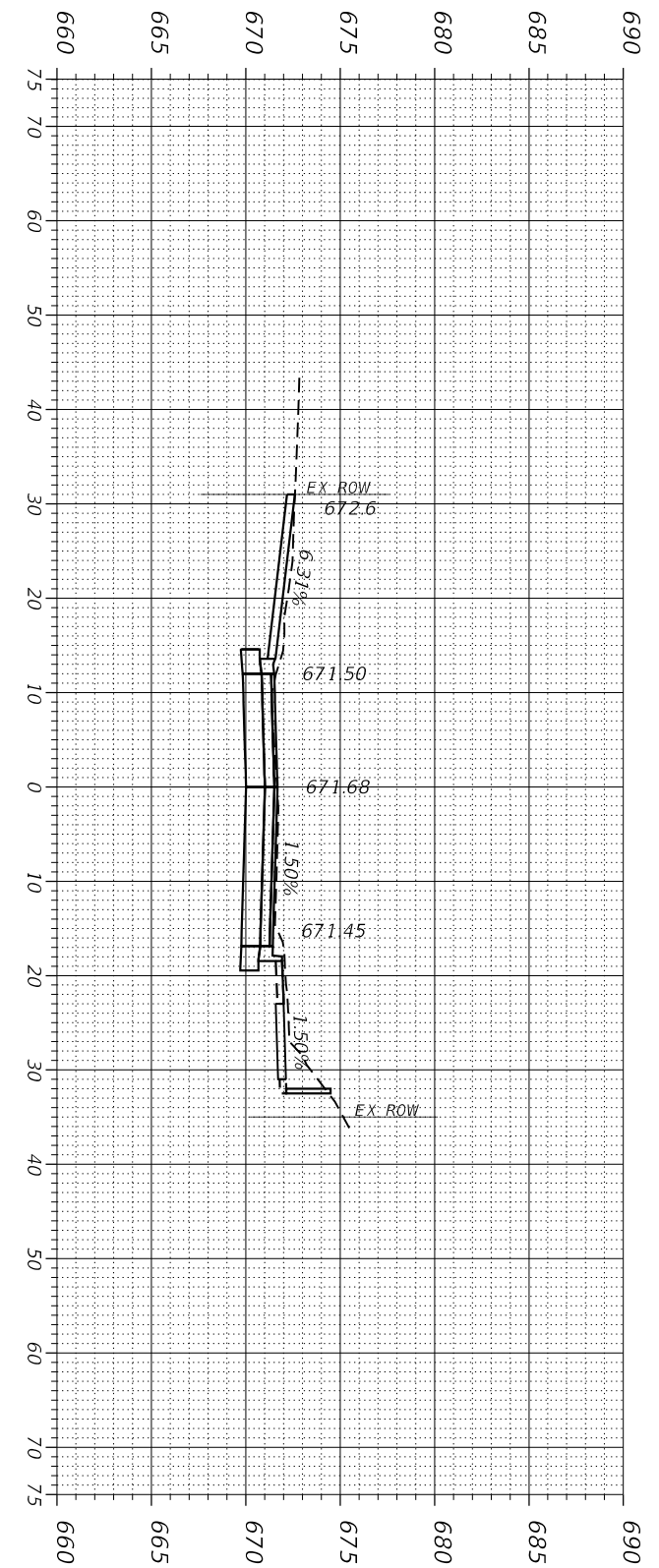
**CITY OF
 HIGHLAND PARK**

CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION			
CROSS SECTIONS			
SCALE:	SHEET NO. 27 OF 30 SHEETS	STA.	TO STA.

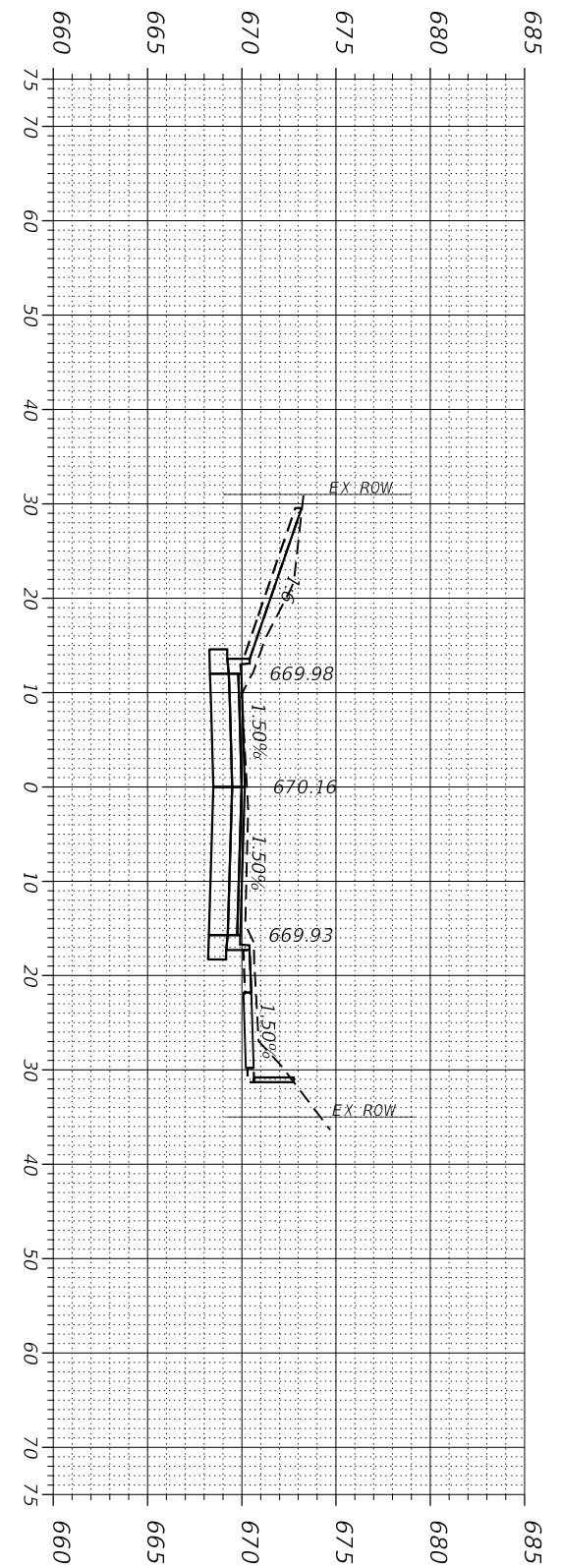
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1265	15-00125-00-PV	LAKE	153	150
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



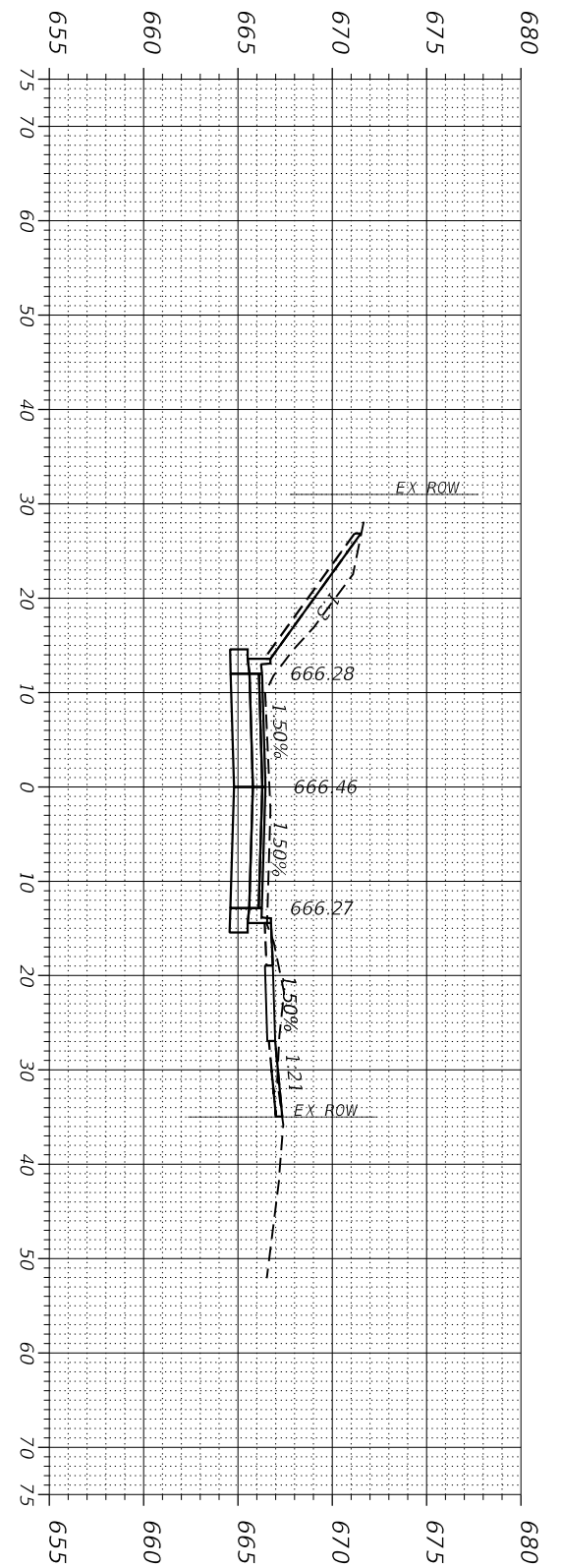
65 + 50.00
 C = 65.51 Sq. Ft.
 F = 1.06 Sq. Ft.



65 + 20.48
 C = 55.12 Sq. Ft.
 F = 1.46 Sq. Ft.



65 + 00.00
 C = 72.37 Sq. Ft.
 F = 4.79 Sq. Ft.



64 + 50.00
 C = 64.78 Sq. Ft.
 F = 2.12 Sq. Ft.

DATE PLOTTED = 2/26/2020 2:13:54 PM
 PEN TABLE = N:\Projects\100209955\01_00209955.dwg
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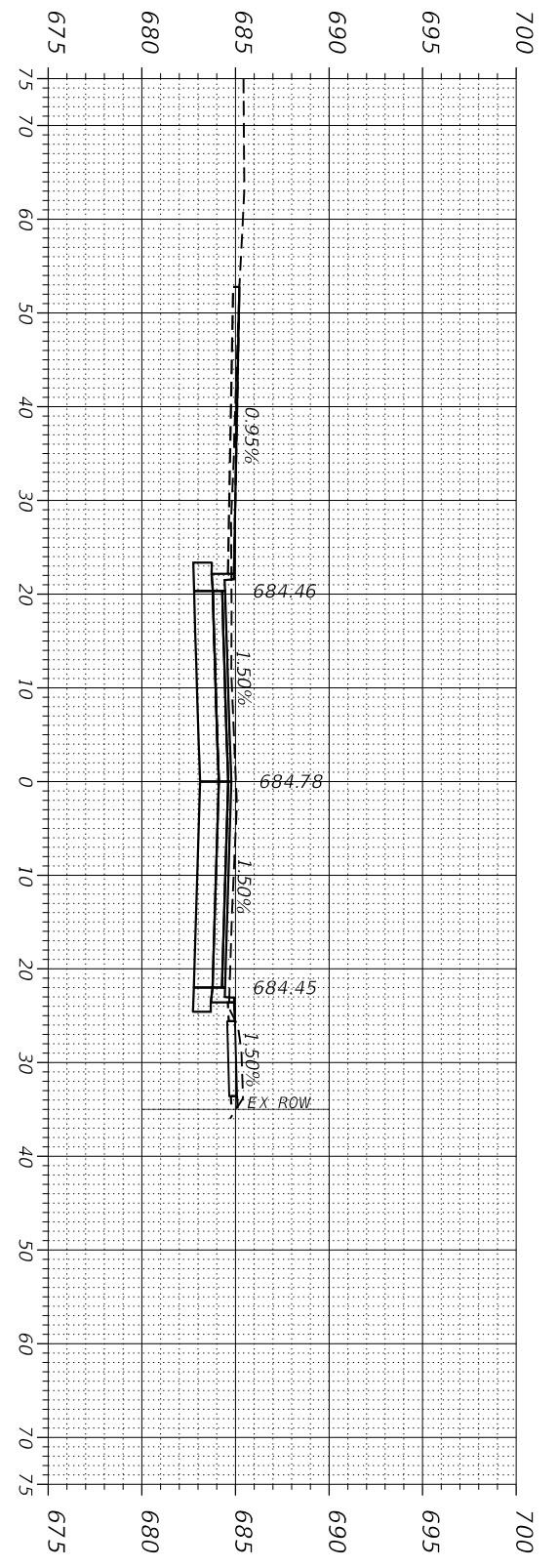
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
 HIGHLAND PARK**

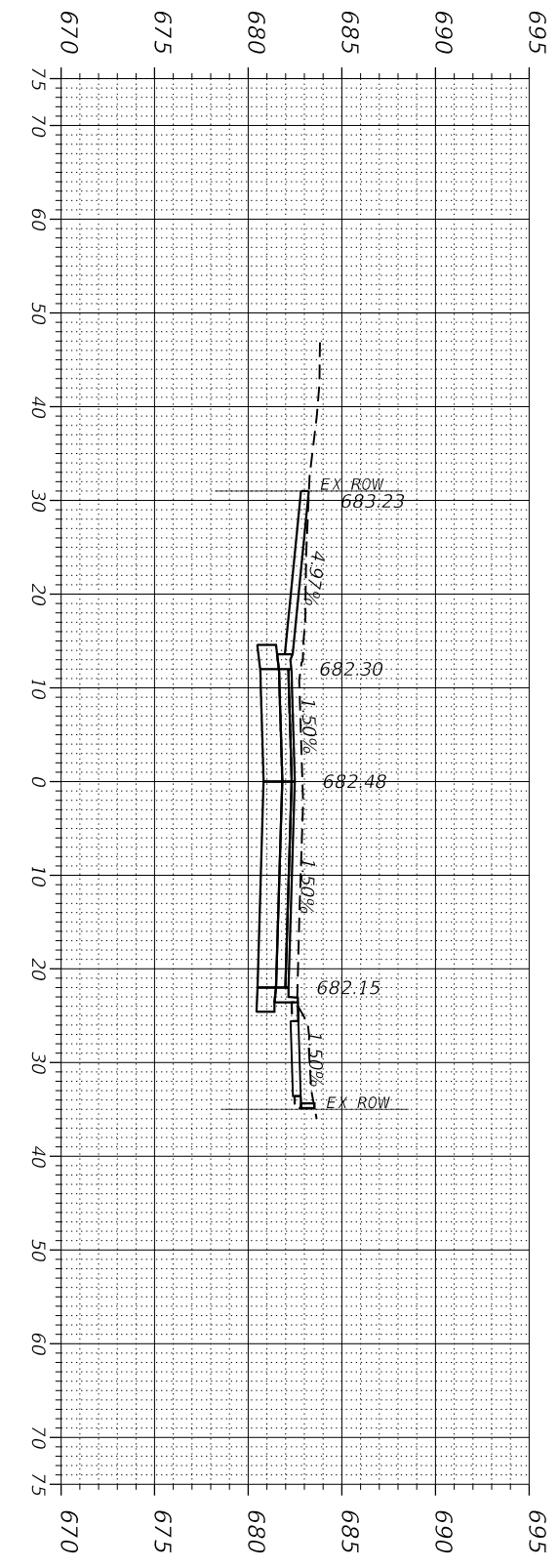
**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

SCALE: SHEET NO. 28 OF 30 SHEETS STA. TO STA.

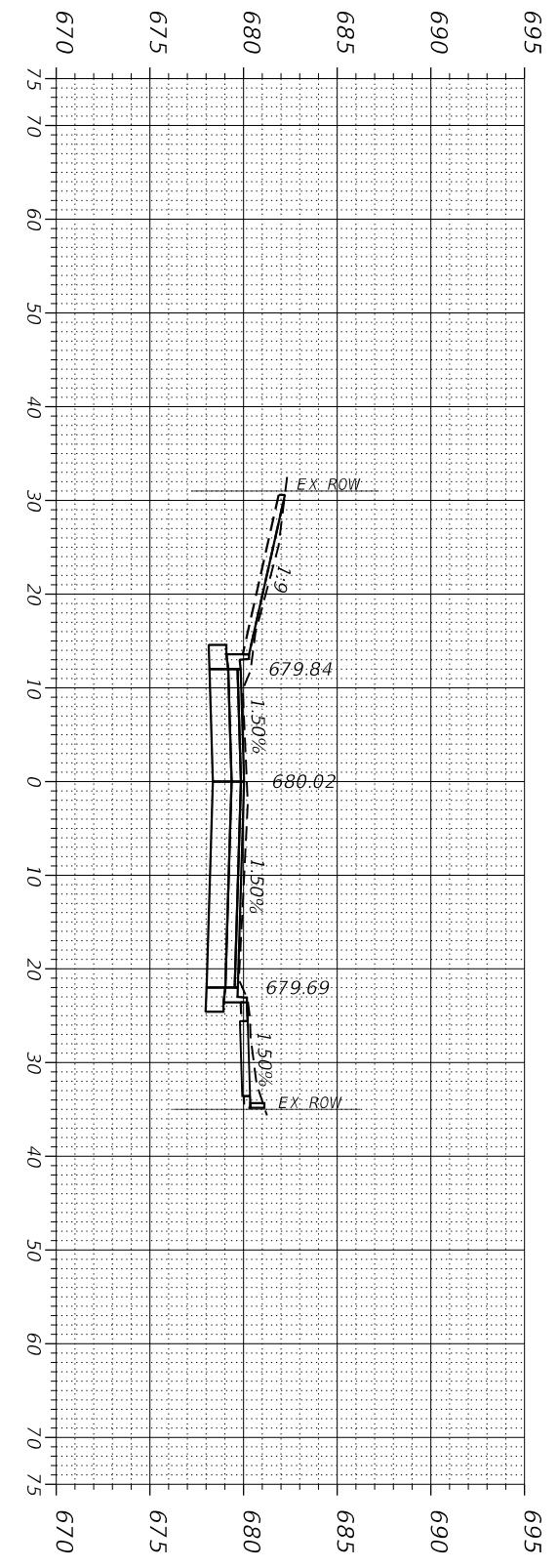
FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 151
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



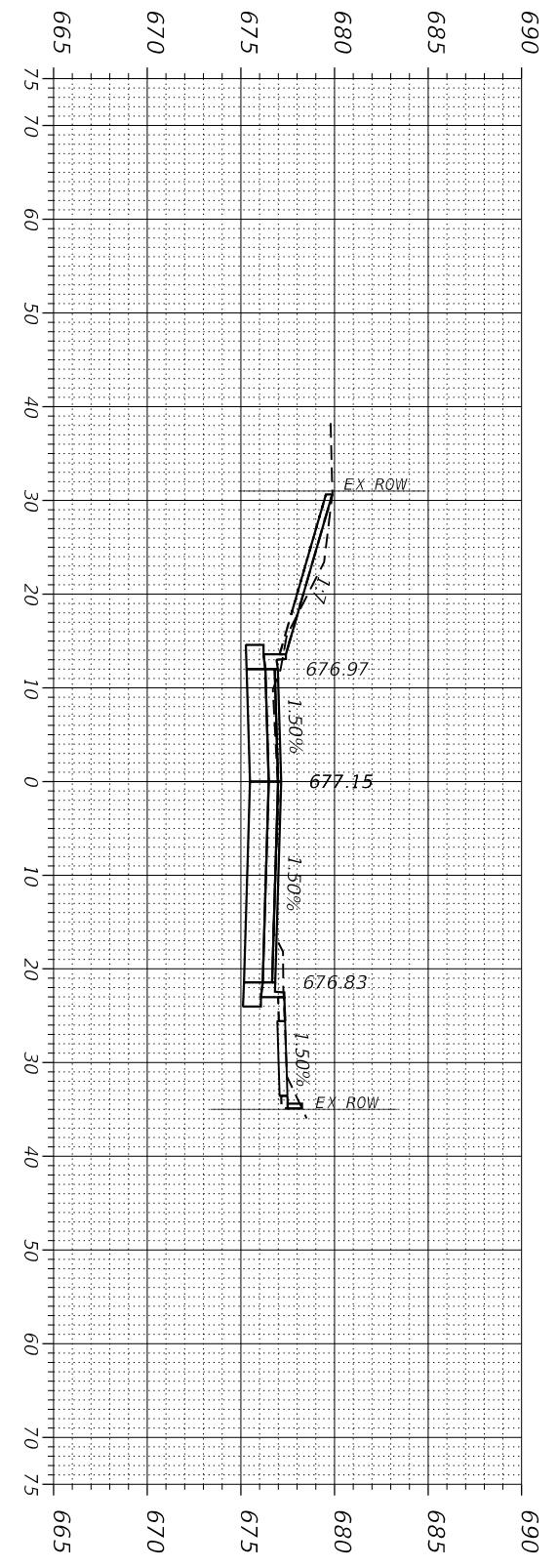
67 + 49.33
BACK ONLY
 C = 70.50 Sq. Ft.
 F = 20.30 Sq. Ft.



67 + 00.00
 C = 4.04 Sq. Ft.
 F = 6.57 Sq. Ft.



66 + 50.00
 C = 63.30 Sq. Ft.
 F = 0.00 Sq. Ft.



66 + 00.00
 C = 53.52 Sq. Ft.
 F = 0.12 Sq. Ft.

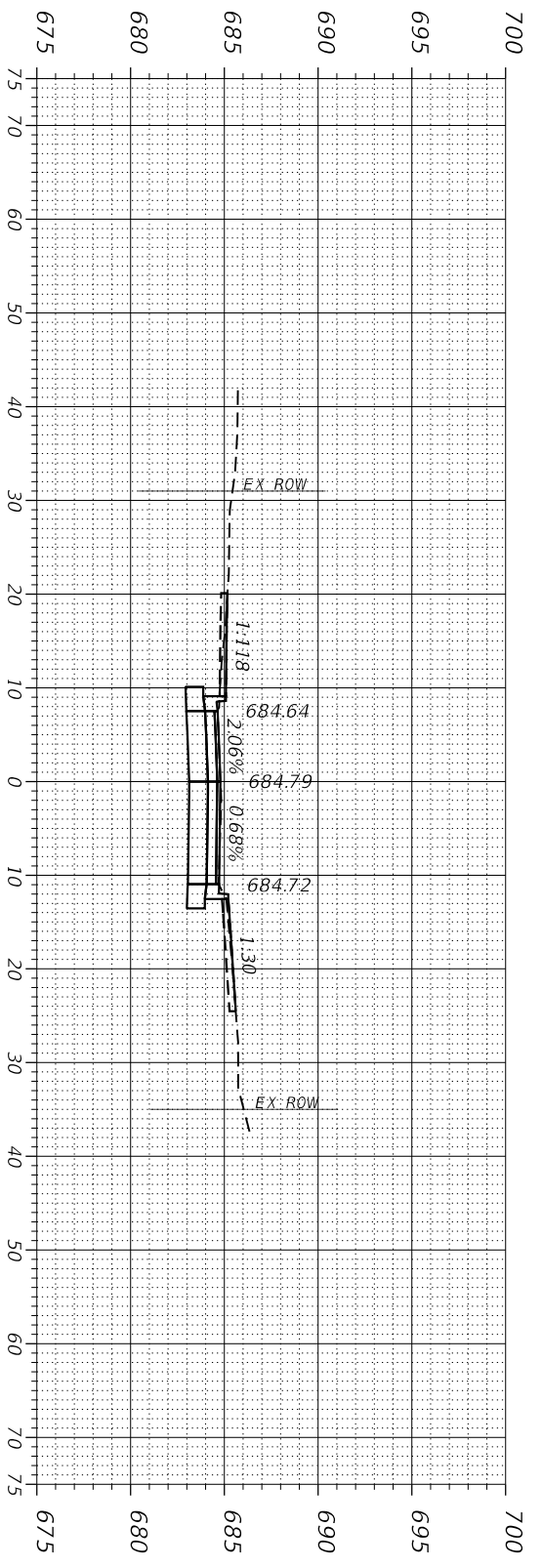
CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION		FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CROSS SECTIONS		1265	15-00125-00-PV	LAKE	153	152
SCALE:		SHEET NO. 29 OF 30 SHEETS		STA.	TO STA.	
				CONTRACT NO.		
ILLINOIS FED. AID PROJECT						

**CITY OF
 HIGHLAND PARK**

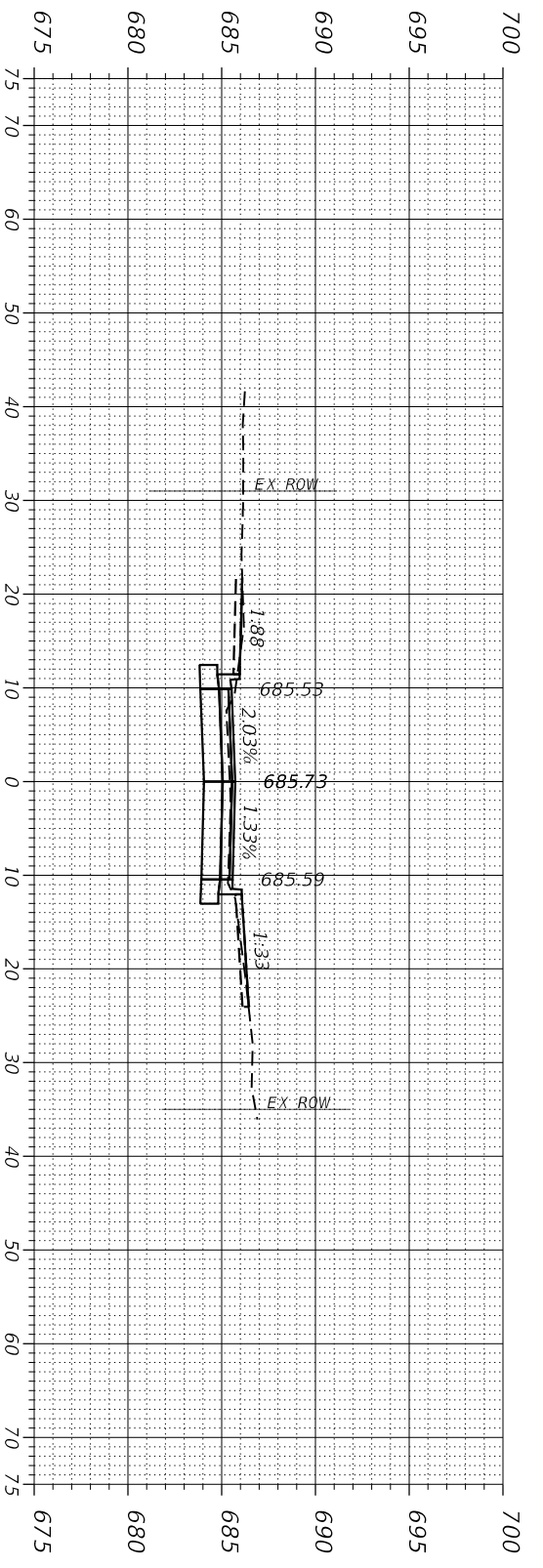
USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -



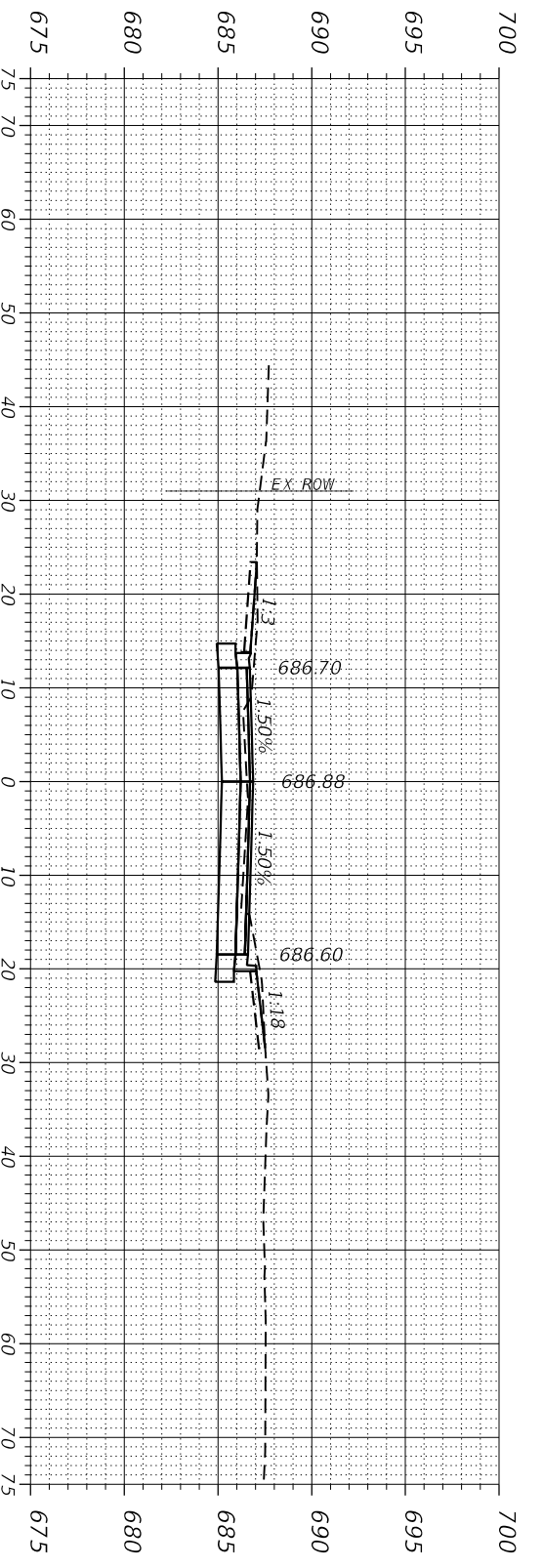
DATE PLOTTED = 2/26/2020 2:13:54 PM
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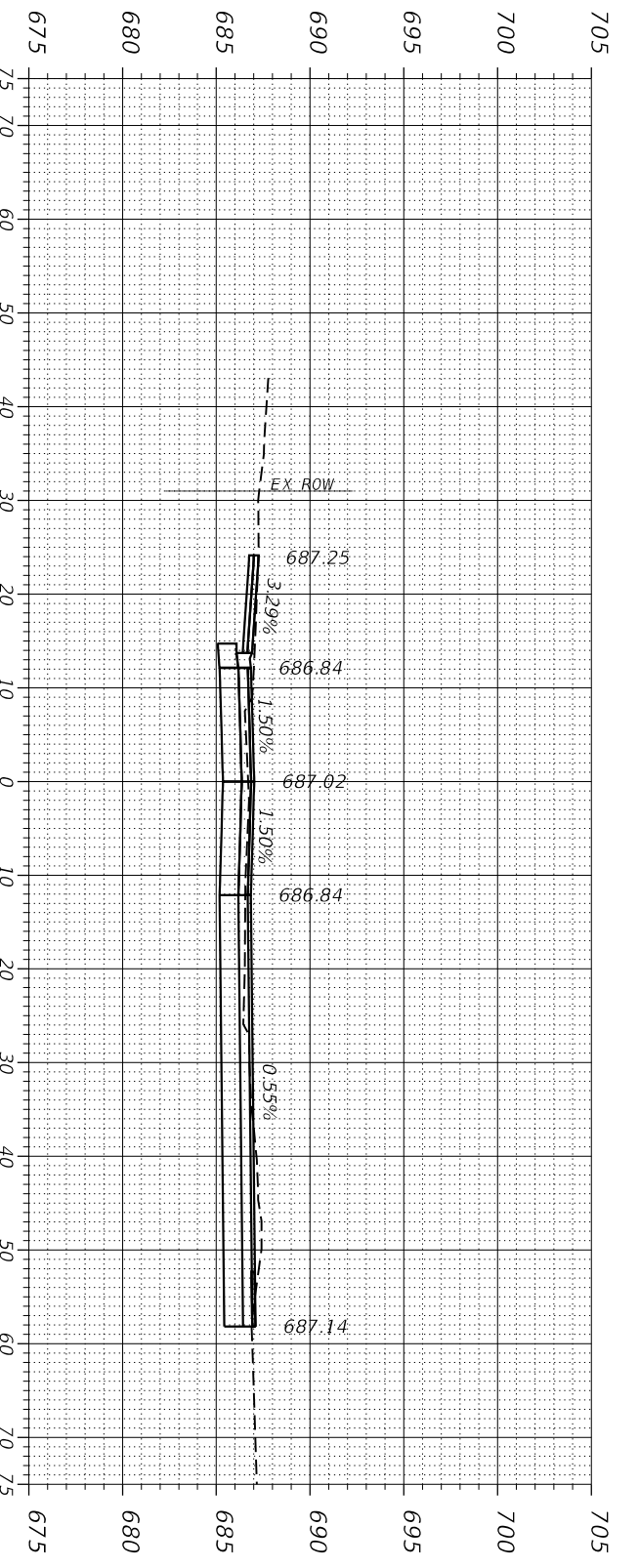
70 + 50.12
BACK ONLY
 C = 31.51 Sq. Ft.
 F = 0.08 Sq. Ft.



70 + 00.00
 C = 26.83 Sq. Ft.
 F = 0.39 Sq. Ft.



69 + 00.00
 C = 22.51 Sq. Ft.
 F = 11.15 Sq. Ft.



68 + 81.91
AHEAD ONLY
 C = 9.77 Sq. Ft.
 F = 11.60 Sq. Ft.

DATE PLOTTED = 2/26/2020 2:13:54 PM
 PEN TABLE = N:\S\standards\CAD\Bentley\standards\IL-001\Plotting\CGI-PDF-PLOT.ctb
 PLOT CONFIG = N:\VPROJ\08229\052\Design\A\sections\08229\052\01-sshh01-38.dgn
 FILE NAME =



USER NAME = Roadway	DESIGNED - ES	REVISED -
	DRAWN - ES	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - DJO	REVISED -
PLOT DATE = 2/26/2020	DATE - 2/26/2020	REVISED -

**CITY OF
 HIGHLAND PARK**

**CLAVEY ROAD ROADWAY AND BRIDGE RECONSTRUCTION
 CROSS SECTIONS**

SCALE: SHEET NO. 30 OF 30 SHEETS STA. TO STA.

FAU RTE. 1265	SECTION 15-00125-00-PV	COUNTY LAKE	TOTAL SHEETS 153	SHEET NO. 153
CONTRACT NO.			ILLINOIS FED. AID PROJECT	