

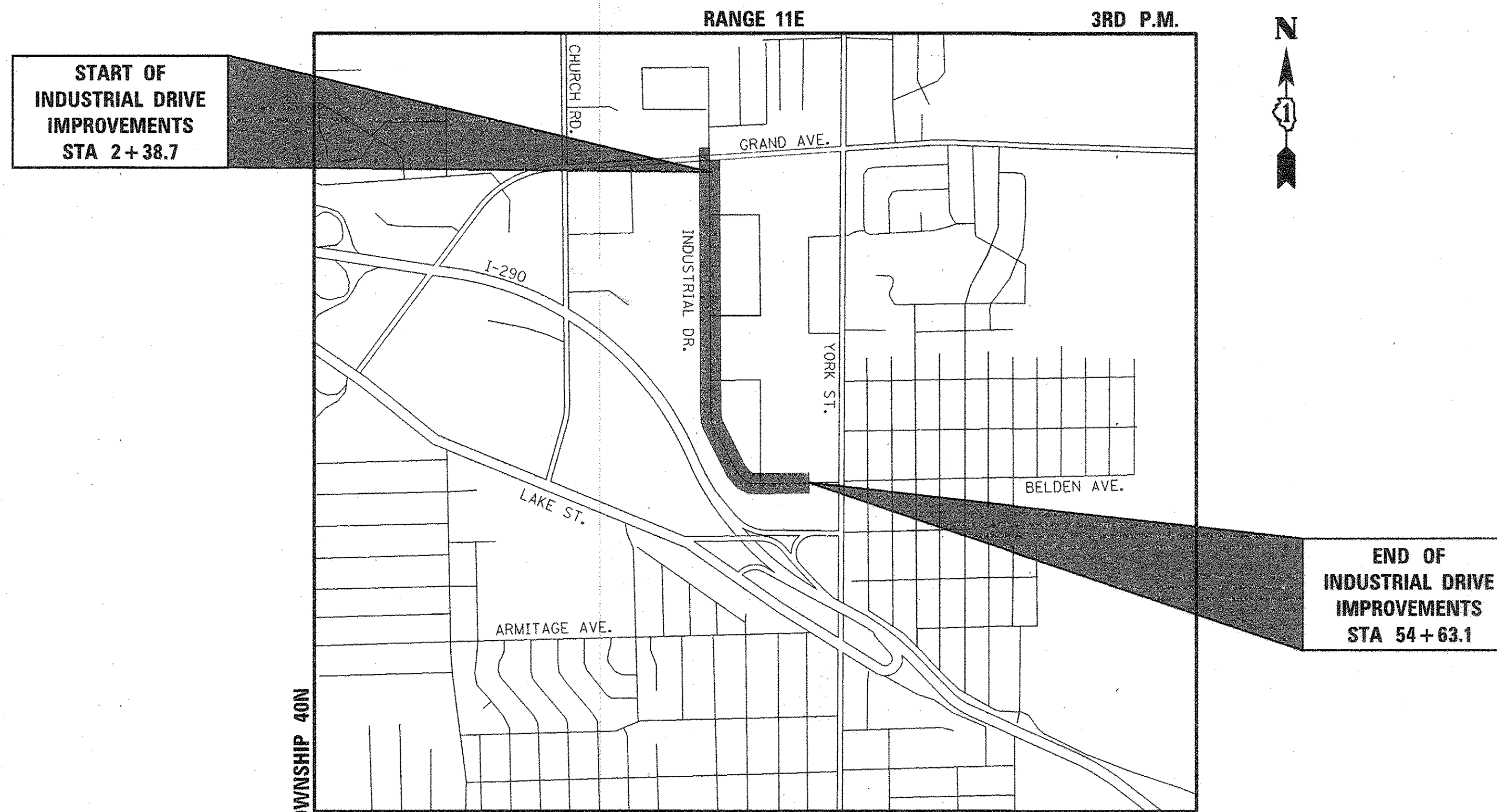
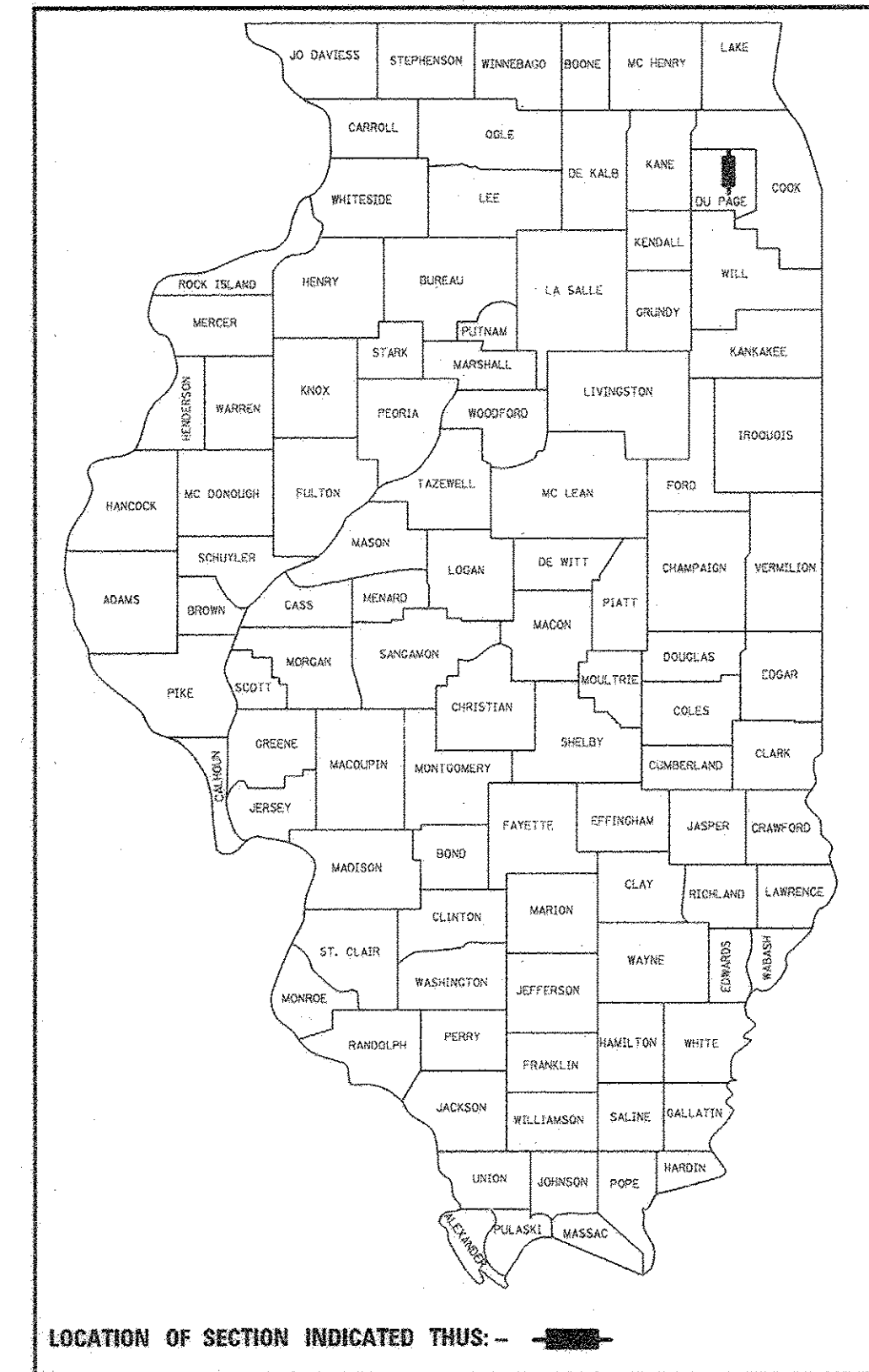
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 61D49		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

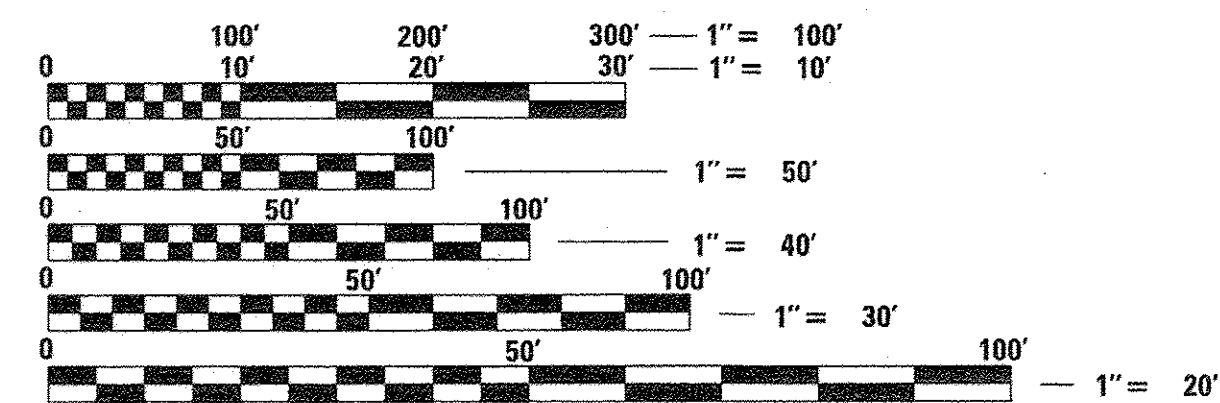
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

MS 1084 INDUSTRIAL DRIVE  
GRAND AVENUE TO YORK STREET  
ROADWAY REHABILITATION  
SECTION 16-00186-00-RP  
PROJECT NO: M-4003(844)  
CITY OF ELMHURST  
DUPAGE COUNTY  
JOB NO. C-91-087-17

FOR INDEX OF SHEETS AND  
INDEX OF HIGHWAYS STANDARDS  
SEE SHEET NO. 2



**INDUSTRIAL DRIVE**  
DESIGN DESIGNATION = MAJOR COLLECTOR  
POSTED SPEED = 30 MPH  
EXISTING ADT = 8,500 VPD



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

PROJECT ENGINEER — JOHN R. ROSAK  
PROJECT MANAGER — REID T. MAGNER

CONTRACT NO. 61D49

**PROJECT LENGTH:**

INDUSTRIAL DRIVE (STA 2+38.7 TO STA 54+63.1) — 5,224.4 FT (0.99 MI) (GROSS & NET)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Approved: *John R. Rosak*  
City of Elmhurst, City Engineer

Passed: DECEMBER 19, 2016  
*Christopher Holt*  
District One Engineer of Local Roads & Streets

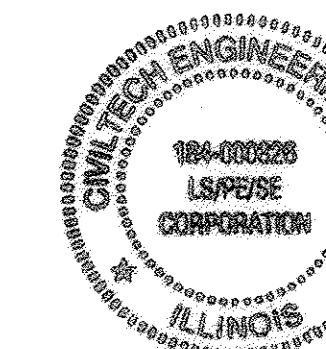
Releasing for Bid  
Based on Limited  
Review: December 20 2016  
*John Fortmann*  
Regional Engineer

APPLIES TO SHEETS 1-55, 66-78

REID T. MAGNER  
062-056273  
LICENSED  
PROFESSIONAL  
ENGINEER  
OF  
ILLINOIS  
REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2017

APPLIES TO SHEETS 56 - 65

JOSEPH J. EMRI  
062-057496  
LICENSED  
PROFESSIONAL  
ENGINEER  
OF  
ILLINOIS  
REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2017



PLANS PREPARED BY: \_\_\_\_\_

**CIVILTECH**  
450 E. Devon Ave. Suite 300 - Itasca, Illinois 60143  
Tel: 630.773.3900 - Fax: 630.773.3975  
www.civiltechinc.com



**GENERAL**

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST I.D.O.T. STANDARD.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- THE THICKNESSES OF HMA MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE COURSE UPON WHICH THE HMA MATERIALS ARE PLACED.
- ALL DIMENSIONS, INCLUDING RADII, ARE GIVEN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER, THE CITY OF ELMHURST (630) 530-3020, DUPAGE COUNTY DIVISION OF TRANSPORTATION (630) 407-6980, UTILITY COMPANIES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENTS, AND SHALL SUBMIT A TRAFFIC CONTROL AUTHORIZATION REQUEST TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL LIMIT ALL DROP-OFFS BETWEEN LANES TO 2" DURING ALL OVERNIGHT PERIODS.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET TO THE SATISFACTION OF THE ENGINEER.
- WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEEDED/SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.
- TEMPORARY TOILET - THE CONTRACTOR SHALL PROVIDE A TEMPORARY TOILET FACILITY FOR THE USE OF ALL CONTRACTORS' PERSONNEL EMPLOYED ON THE WORK SITE, AND SHALL MAINTAIN SAME IN PROPER SANITARY CONDITION. THE ENGINEER SHALL APPROVE THE LOCATION OF THE TEMPORARY TOILET. AT COMPLETION, THE FACILITY SHALL BE REMOVED AND THE PREMISES LEFT CLEAN. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF MOBILIZATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- WHEN REMOVING CURB AND GUTTER, PAVEMENT OR ANY OTHER STRUCTURE, THE CONTRACTOR SHALL TAKE PRECAUTIONS NECESSARY TO AVOID DAMAGE TO UNDERGROUND PUBLIC OR PRIVATE UTILITIES. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL CONCRETE BREAKER BE ALLOWED.
- CONCRETE TRUCK WASHOUT FACILITY SHOULD BE PROVIDED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS IN THE FIELD BY THE CONTRACTOR AT A LOCATION OR LOCATIONS APPROVED BY THE ENGINEER. WASHING CONCRETE AT CURB AND GUTTER IS STRICTLY PROHIBITED.
- THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO ARTICLE 201.01(d) OF THE STANDARD SPECIFICATIONS. REMOVAL OF ALL OBSTRUCTIONS IN THE RIGHT-OF-WAY, THAT ARE NOT INCLUDED IN A SPECIFIC REMOVAL ITEM, SHALL BE CONSIDERED CLEARING AND INCLUDED IN THE COST OF EARTH EXCAVATION. THIS SHALL INCLUDE, BUT NOT LIMITED TO, FENCES, WALLS, FOUNDATIONS, BUILDINGS, ACCUMULATIONS OF RUBBISH OF WHATEVER NATURE, OLD TYPE III BARRICADES, OLD WATER HEATERS, OLD CMP PIPE, RUBBER TIRES, CONCRETE BLOCKS, UTILITY ANCHORS, METAL PARTS, ABANDONED WOODEN POWER POLES, GATES, AND ALL VEGETATION, TREES, SHRUBS, ETC. LESS THAN 6" IN DIAMETER.
- TEMPORARY RAMPS SHALL BE CONSTRUCTED PER SECTION 406 OF THE "STANDARD SPECIFICATIONS" AT THE DIRECTION OF THE ENGINEER BETWEEN BINDER AND SURFACE COURSES AS NECESSARY.
- CURB AND GUTTER JOINTS SHALL BE PLACED AS PER STANDARD 606001 AND IN ADDITION ONE INCH EXPANSION JOINTS SHALL BE PLACED EVERY 150 FT.
- THOSE SEEKING THE FULL GEOTECHNICAL REPORT SHOULD CONTACT THE OWNER OF RECORD. PLEASE CONTACT THE RESIDENT ENGINEER, OR THE ELMHURST CITY ENGINEER AT 630.530.3024 TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION.

**STORM SEWERS, STRUCTURES, AND UTILITIES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND APPLICABLE ARTICLES INCLUDED IN THE "STANDARD SPECIFICATIONS" INCLUDING, BUT NOT LIMITED TO, ARTICLES 105.07 AND 107.31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT AND/OR FOR DELAYS CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.
- ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES, UNLESS INDICATED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER. COMMON BRICK WILL NOT BE ALLOWED. ALL TYPE 8 GRATES ON RESTRICTED DEPTH DRAINAGE STRUCTURES SHALL BE ADJUSTED TO PLAN GRADE WITH 4" MINIMUM CONCRETE ADJUSTMENT RINGS.
- ALL STRUCTURES DESIGNATED TO BE ADJUSTED, SPECIAL ADJUSTED OR RECONSTRUCTED SHALL HAVE NEW FRAMES, LIDS AND GRATES PROVIDED AT THE DIRECTION OF THE ENGINEER

**IDOT DISTRICT ONE STANDARDS**

BD-01	DRIVEWAY DETAIL - DISTANCE BETWEEN ROW AND FACE OF CURB & EDGE OF SHOULDER GREATER OR EQUAL TO 15'
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINTS AND HMA TAPER
BD-33	HMA TAPER AT EDGE OF P.C.C. PAVEMENT
BD-36	FIRE HYDRANT TO BE MOVED
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	TEMPORARY PAVEMENT MARKING AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

**HIGHWAY STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-03	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
442101-07	CLASS B PATCHES
604001-04	FRAME AND LIDS TYPE 1
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701606-10	URBAN LANE CLOSURE, MULTI LANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886006-01	DETECTOR LOOP INSTALLATION

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PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	BY	
	DATE	



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DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND STANDARDS**

SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	2
CONTRACT NO. 61D49			FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT	





PLAN	SUBMITTED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	DATE	
	NO.	
	DATE	

PROFILE	SUBMITTED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATION	
	CHKD	
	DATE	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SIDEWALK
				0004	0021
20101100	TREE TRUNK PROTECTION	EACH	9	0	9
20101200	TREE ROOT PRUNING	EACH	9	0	9
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	4	0	4
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	0	5
20200100	EARTH EXCAVATION	CU YD	1,083	0	1,083
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100	0	100
20400800	FURNISHED EXCAVATION	CU YD	204	0	204
20800150	TRENCH BACKFILL	CU YD	50	50	0
21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	444	0	444
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90	0	90
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90	0	90
25200110	SODDING, SALT TOLERANT	SQ YD	7,182	0	7,182
25200200	SUPPLEMENTAL WATERING	UNIT	15	0	15
28000400	PERIMETER EROSION BARRIER	FOOT	379	0	379
28000510	INLET FILTERS	EACH	41	41	0
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	690	690	0
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	4,437	0	4,437
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	16,051	16,051	0
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1	1	0
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1,308	1,308	0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	505	505	0
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	76	76	0
40600990	TEMPORARY RAMP	SQ YD	746	746	0
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2,664	2,664	0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1	1	0
42000060	WELDED WIRE REINFORCEMENT	SQ YD	5,406	5,406	0
42001300	PROTECTIVE COAT	SQ YD	4,757	0	4,757
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	1,480	0	1,480
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	21,897	0	21,897
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	4,626	0	4,626
42400800	DETECTABLE WARNINGS	SQ FT	90	0	90
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	482	482	0
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,888	0	1,888
44000600	SIDEWALK REMOVAL	SQ FT	404	0	404

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SIDEWALK
				0004	0021
44200929	CLASS B PATCHES, TYPE I, 8 INCH	SQ YD	270	270	0
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	1,081	1,081	0
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SQ YD	3,244	3,244	0
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	811	811	0
44213200	SAW CUTS	FOOT	9,114	9,114	0
45100200	CRACK FILLING	POUND	6,771	6,771	0
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	5,000	5,000	0
56400100	FIRE HYDRANTS TO BE MOVED	EACH	3	0	3
56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	4	0	4
60404800	FRAMES AND GRATES, TYPE 1 I	EACH	71	71	0
60406000	FRAMES AND LIDS, TYPE I, OPEN LID	EACH	10	10	0
60406100	FRAMES AND LIDS, TYPE I, CLOSED LID	EACH	10	10	0
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	100	0	100
66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	0	1
66900530	SOIL DISPOSAL ANALYSIS	EACH	1	0	1
67100100	MOBILIZATION	L SUM	1	1	0
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2	0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,029	1,029	0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	13,060	13,060	0
72000100	SIGN PANEL - TYPE I	SQ FT	22	0	22
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	35	0	35
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	109	109	0
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9,577	9,577	0
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	709	420	289
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	78	0	78
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	168	168	0
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	61	0	61
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	46	0	46
81400200	HEAVY-DUTY HANDHOLE	EACH	1	0	1
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1	0	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	0	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	246	0	246
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	267	0	267
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	64	0	64



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DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

NO SCALE

**SUMMARY OF QUANTITIES**

SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	4
CONTRACT NO. 61D49			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	PT. OF WAY CHECKED	
	NO.	
	NO.	
	NO.	

PROFILE	SURVEYED	DATE
NOTE BOOK	PROFILES CHECKED	BY
NO.	B.M. NOTED	
	STRUCTURE	NOTATIONS CHECKED
	NO.	
	NO.	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SIDEWALK
				0004	0021
^ 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2	0	2
^ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12	0	12
^ 87900200	DRILL EXISTING HANDHOLE	EACH	5	0	5
^ 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	0	2
^ 88600100	DETECTOR LOOP, TYPE I	FOOT	436	0	436
^ 88800100	PEDESTRIAN PUSH-BUTTON	EACH	2	0	2
^ 89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1	0	1
^ 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1	0	1
^ 89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1	0	1
^ 89502200	MODIFY EXISTING CONTROLLER	EACH	1	0	1
^ 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	45	0	45
^* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1	0	1
* X0327771	SAWCUT AND SEAL NEW JOINTS	FOOT	9,880	9,880	0
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3,483	3,483	0
* X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	50	50	0
* X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	22,684	22,684	0
* X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	3,103	2,103	1,000
* X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	2.00	2.00	0.00
* X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	4	4	0
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	0
* X4405025	LONGITUDINAL PARTIAL DEPTH REMOVAL 2 1/2"	FOOT	5,000	5,000	0
* X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	13	13	0
^*> XX003668	PRECONSTRUCTION VIDEO TAPING	L SUM	1	1	0
* XX006658	FLOCCULATION LOGS	EACH	6	0	6
* XX006659	FLOCCULATION POWDER	POUND	18	0	18
* XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	0	1
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	0
* Z0017400	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED	EACH	71	71	0
* Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	10	10	0
* Z0018900	DRILL AND GROUT DOWEL BARS	EACH	4,317	4,317	0
* Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	3,053	3,053	0
* Z0019598	DUST CONTROL, SPECIAL	GALLON	500	500	0

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	SIDEWALK
				0004	0021
* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	502	502	0
^* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	0	1
* Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	4,995	0	4,995
^* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3	0	3
^^* Z0076600	TRAINEES	HOUR	500		
^^* Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		

- ^ DENOTES SPECIALTY ITEM
- ^^ DENOTES CONSTRUCTION TYPE CODE 0042
- \* DENOTES SPECIAL PROVISION
- > DENOTES NON-PARTICIPATING

**CIVILTECH**  
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 Itasca, Illinois 60143  
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 CHECKED - RTM  
 DATE - 12/02/2016

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

NO SCALE

**SUMMARY OF QUANTITIES**

SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	5
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				







SCHEDULE OF EARTHWORK QUANTITIES (BREAKDOWN)							
STATION	DISTANCE	EARTH EXCAVATION	FURNISHED EXCAVATION	EARTH EXCAVATION	FURNISHED EXCAVATION	EARTH EXCAVATION	FURNISHED EXCAVATION
(XX+XX)	(FT)	(SQ FT)	(SQ FT)	AVG. (SQ FT)	AVG. (SQ FT)	(CU YD)	(CU YD)
35+00		5.7	1.0				
	50			5.9	1.0	11	2
35+50		6.0	0.9				
	50			3.8	1.2	7	2
36+00		1.5	1.5				
	50			3.7	1.2	7	2
36+50		5.9	1.0				
	50			3.7	2.6	7	5
37+00		1.5	4.2				
	50			4.1	2.5	8	5
37+50		6.7	0.8				
	50			4.0	2.0	7	4
38+00		1.3	3.2				
	50			3.6	2.1	7	4
38+50		5.9	1.0				
	50			5.9	1.0	11	2
39+00		5.9	1.1				
	50			5.7	1.1	11	2
39+50		5.5	1.2				
	50			4.5	0.6	8	1
40+00		3.5	0.0				
	50			4.7	0.5	9	1
40+50		5.9	1.0				
	50			5.8	1.0	11	2
41+00		5.7	1.0				
	50			5.8	1.0	11	2
41+50		5.8	1.0				
	50			3.7	2.3	7	4
42+00		1.5	3.6				
	50			3.6	2.3	7	4
42+50		5.7	1.0				
	50			6.1	0.9	11	2
43+00		6.5	0.8				
	50			4.0	1.5	7	3
43+50		1.5	2.2				
	50			3.6	1.1	7	2
44+00		5.7	0.0				
	50			5.8	0.5	11	1
44+50		5.8	1.0				
	50			5.7	1.0	11	2
45+00		5.7	1.0				
	50			5.6	1.0	10	2
45+50		5.6	1.0				
	50			5.9	0.9	11	2
46+00		6.2	0.9				
	50			3.8	2.3	7	4
46+50		1.4	3.6				
	50			1.4	3.9	3	7
47+00		1.4	4.1				
	50			3.6	2.5	7	5
47+50		5.9	0.9				
	50			5.9	0.9	11	2
48+00		5.9	1.0				
	50			5.8	1.0	11	2
48+50		5.6	1.0				
	50			2.8	0.5	5	1
49+00		0.0	0.0				
	50			2.9	0.5	5	1
49+50		5.9	0.9				
	50			5.7	1.0	11	2
50+00		5.6	1.0				
	50			5.6	1.0	10	2
50+50		5.6	1.1				
	50			5.7	1.0	11	2
51+00		5.8	1.0				

SCHEDULE OF EARTHWORK QUANTITIES (BREAKDOWN)							
STATION	DISTANCE	EARTH EXCAVATION	FURNISHED EXCAVATION	EARTH EXCAVATION	FURNISHED EXCAVATION	EARTH EXCAVATION	FURNISHED EXCAVATION
(XX+XX)	(FT)	(SQ FT)	(SQ FT)	AVG. (SQ FT)	AVG. (SQ FT)	(CU YD)	(CU YD)
51+00		5.8	1.0				
	50			5.6	1.0	10	2
51+50		5.4	1.0				
	50			5.6	1.0	10	2
52+00		5.8	1.0				
	50			5.7	1.0	11	2
52+50		5.7	1.0				
	50			5.8	1.0	11	2
53+00		5.9	1.0				
	50			5.9	1.0	11	2
53+50		6.0	1.0				
	50			6.1	0.9	11	2
54+00		6.3	0.9				
	50			6.2	0.9	12	2
54+50		6.2	0.9				
	50			6.2	0.9	12	2
55+00		6.3	0.8				
	50			7.1	0.9	13	2
55+50		8.0	0.9				

PROJECT TOTALS 1,083 204

PLAN	DESIGNED	DATE
	DRAWN	
	CHECKED	
	DATE	
	NO.	

PROFILE	DESIGNED	DATE
	DRAWN	
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NO SCALE

SCHEDULE OF EARTHWORK QUANTITIES

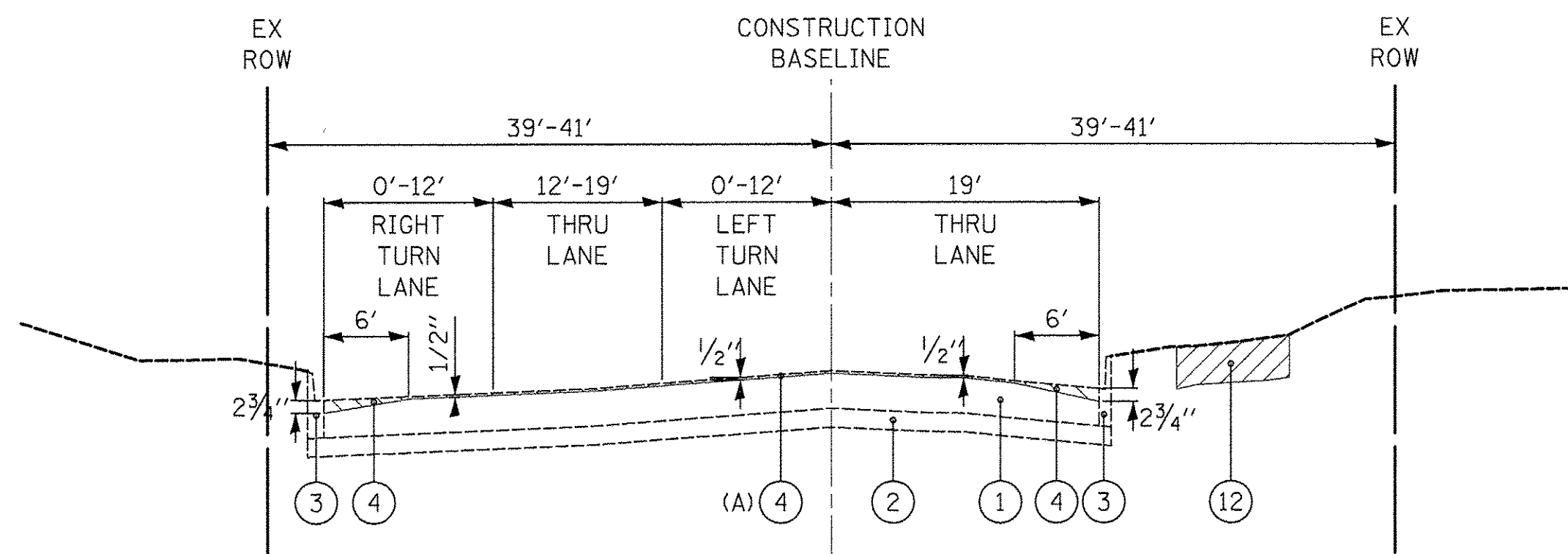
SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	7
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



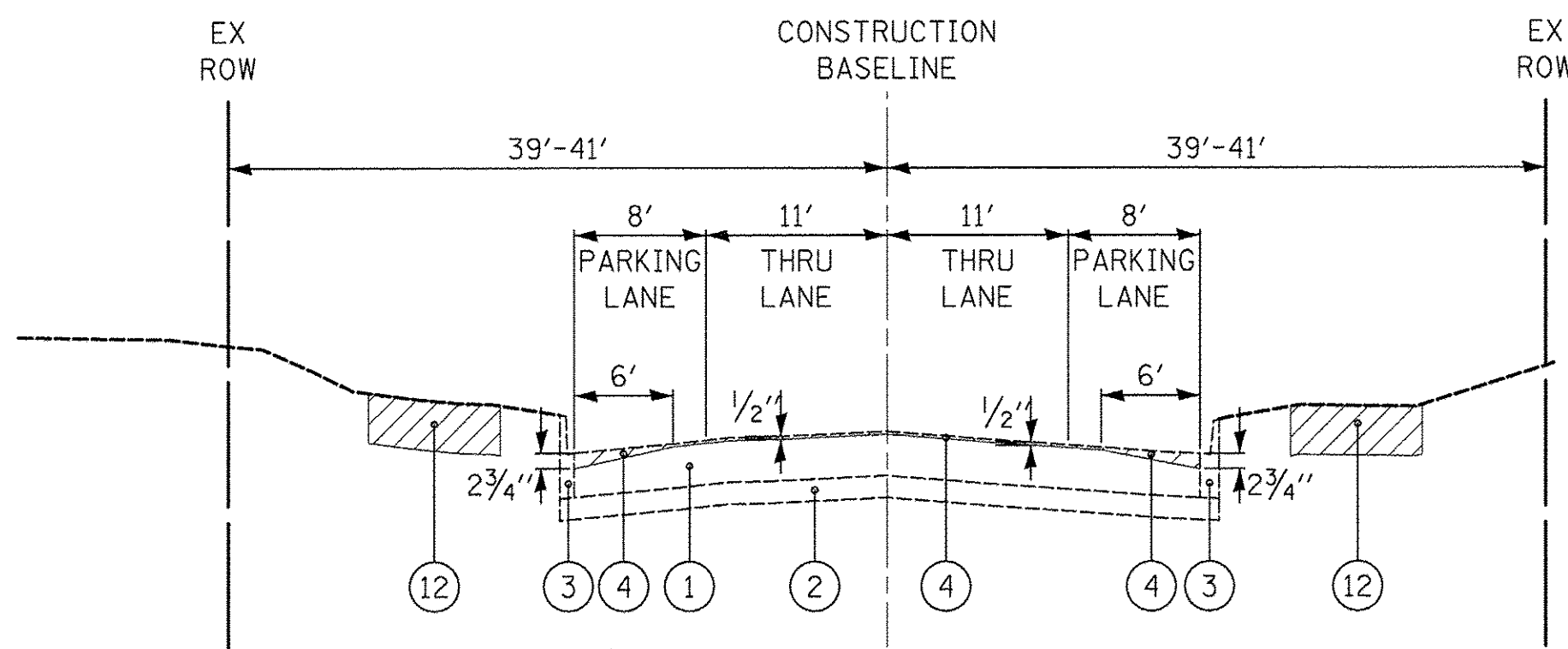
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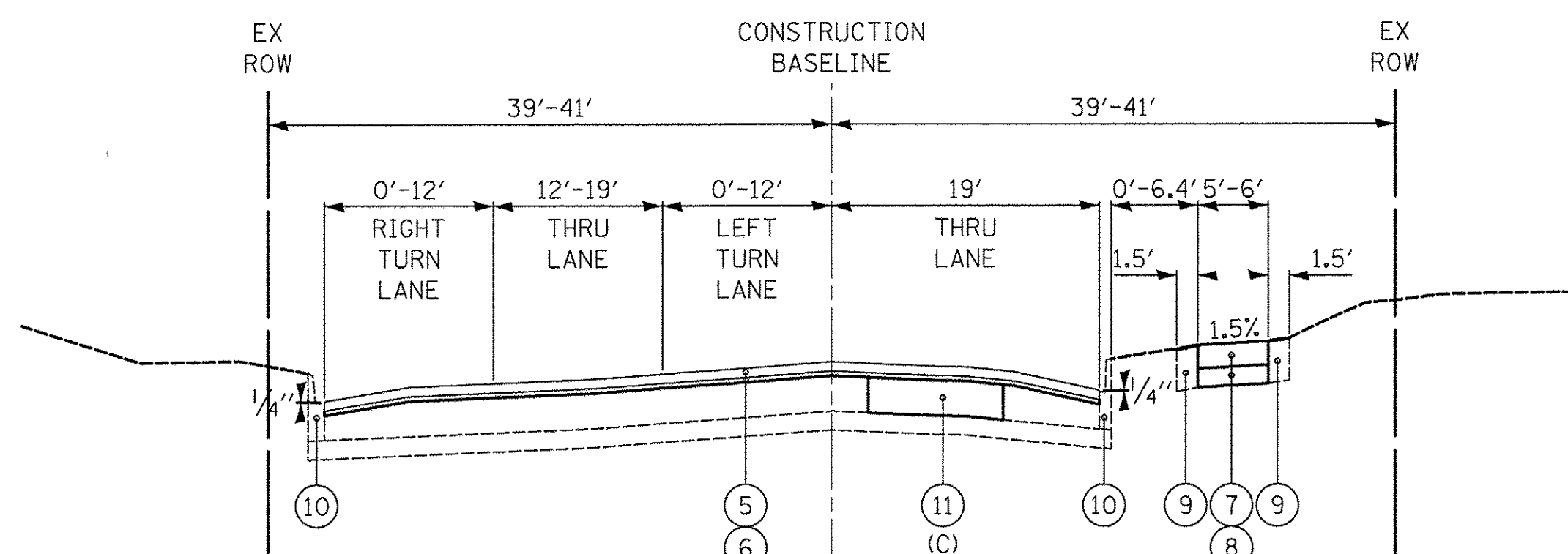


EXISTING TYPICAL SECTION INDUSTRIAL DRIVE  
STA 2+38.8 TO STA 6+55.7

(A) FROM STA 2+38.8 TO STA 3+40.1: HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"

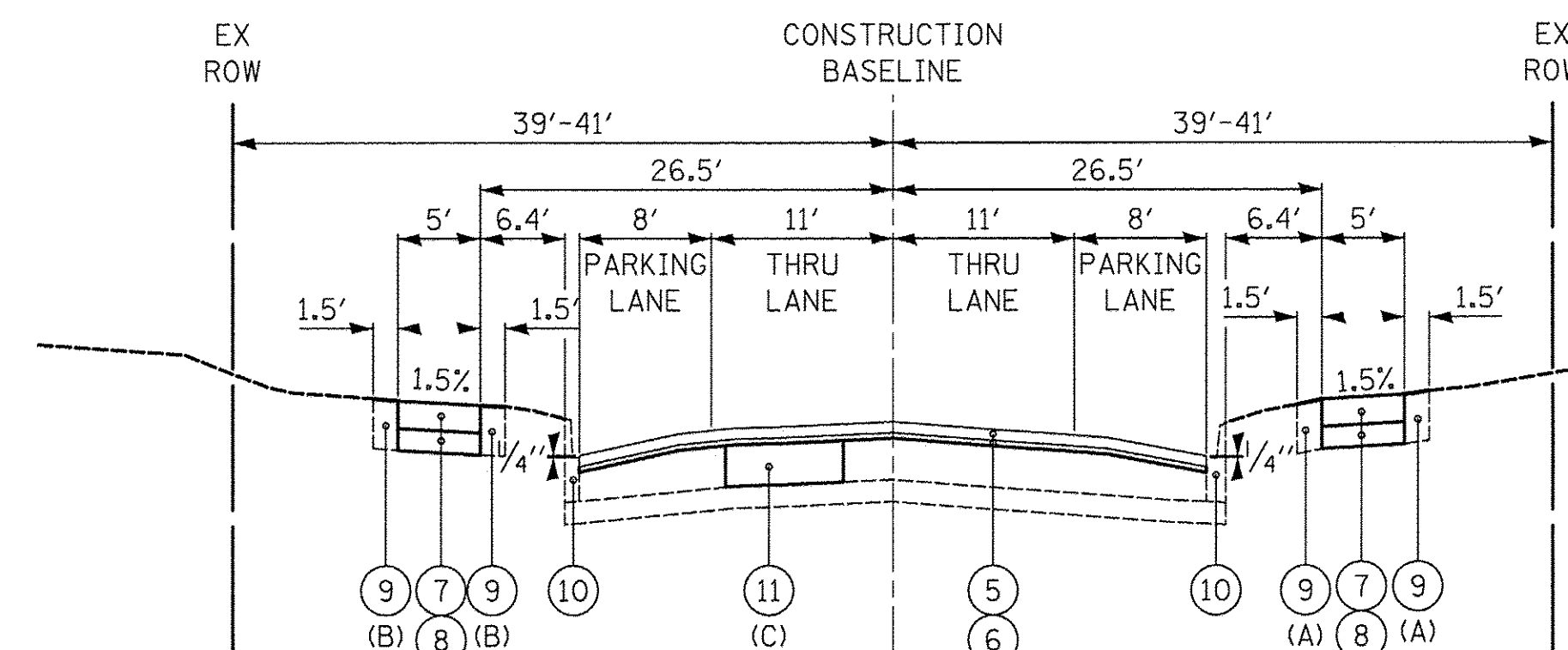


EXISTING TYPICAL SECTION INDUSTRIAL DRIVE  
STA 6+55.7 TO STA 54+63.1



PROPOSED TYPICAL SECTION INDUSTRIAL DRIVE  
STA 2+38.8 TO STA 6+55.7

(C) PATCHING LIMITS TO BE DETERMINED BY THE ENGINEER.  
SEE PLAN SHEET FOR REFERENCE.



PROPOSED TYPICAL SECTION INDUSTRIAL DRIVE  
STA 6+55.7 TO STA 54+63.1

(A) STATION LIMITS: 6+55.7 TO 32+53.0  
(B) STATION LIMITS: 32+53.0 TO 54+63.1  
(C) PATCHING LIMITS TO BE DETERMINED BY THE ENGINEER.  
SEE PLAN SHEET FOR REFERENCE.

**NOTES:**

- CONTRACTOR SHALL PROVIDE A 2 3/4" MAXIMUM MILLED DEPTH ALONG THE OUTSIDE EDGES OF PAVEMENT TAPERING DOWN TO 1/2" SCARIFIED SURFACE WITHIN 6 FEET. THE 1/2" SCARIFIED MILLING WILL CONTINUE BETWEEN THE WEDGES ACROSS THE REMAINING CONCRETE. (SEE TYPICAL SECTION).
- COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT LIMITS WILL BE DETERMINED BY THE FIELD ENGINEER. ALL CURB AND GUTTER TO BE REMOVED WILL BE REPLACED IN KIND (REGARDLESS OF TYPE) AND PAID FOR AT THE SAME UNIT BID PRICE FOR "CURB REMOVAL AND REPLACEMENT." THE AGGREGATE SUBGRADE IMPROVEMENT 12" HAS BEEN INCLUDED IN CASE THERE ARE BASE COURSE FAILURES AT ANY OF THESE LOCATIONS. (SEE PLANS FOR SPOT REPAIRS)
- EXCAVATION FOR SIDEWALK WILL BE STOCKPILED ON SITE FOR SOIL DISPOSAL ANALYSIS. SUITABLE SOIL FROM THIS PILE WILL BE USED ON SITE WITH PLACEMENT BEING PAID FOR AS "FURNISHED EXCAVATION", OR "TOPSOIL FURNISH AND PLACE VARIABLE DEPTH" AT LOCATIONS CALLED OUT ON PLANS AND AS DIRECTED BY THE ENGINEER. REMAINING SOIL WILL BE REMOVED FROM THE SITE AND PAID FOR AS "EARTH EXCAVATION", "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL", OR "NON SPECIAL WASTE" AS DETERMINED BY TEST RESULTS. (SEE EROSION CONTROL, PAVEMENT MARKING AND SIGNING PLAN FOR STOCK PILE LOCATIONS).

**LEGEND**

- EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 8" (REFERENCE ROADWAY GEOTECHNICAL REPORT PREPARED BY RUBINO ENGINEERING INC. DATED AUGUST 18, 2016)
  - EXISTING AGGREGATE SUBGRADE, 4" (REFERENCE ROADWAY GEOTECHNICAL REPORT PREPARED BY RUBINO ENGINEERING INC. DATED AUGUST 18, 2016)
  - EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06
  - PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)
  - PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
  - PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
  - PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
  - PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
  - PROPOSED TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH AND SODDING, SALT TOLERANT
  - PROPOSED CURB REMOVAL AND REPLACEMENT (SEE NOTE NO. 2)
  - PROPOSED CLASS B PATCHES, 8 INCH
  - SEE NOTE 3.
- REMOVAL

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

PAY ITEM	PERCENT AIR VOIDS @ Ndes.
<b>PAVEMENT OVERLAY</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2" (1 LIFT)	4% @ 50 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1" (1 LIFT)	3.5% @ 50 GYR.
<b>LONGITUDINAL PARTIAL DEPTH PATCHING</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm)	4% @ 50 GYR.
<b>INCIDENTAL HOT-MIX ASPHALT SURFACING</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm)	4% @ 50 GYR.

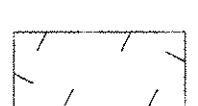
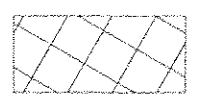

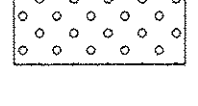


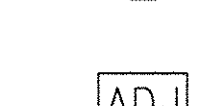
- THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY-IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



DATE	
BY	
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SURVEYED	
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NOTE BOOK	
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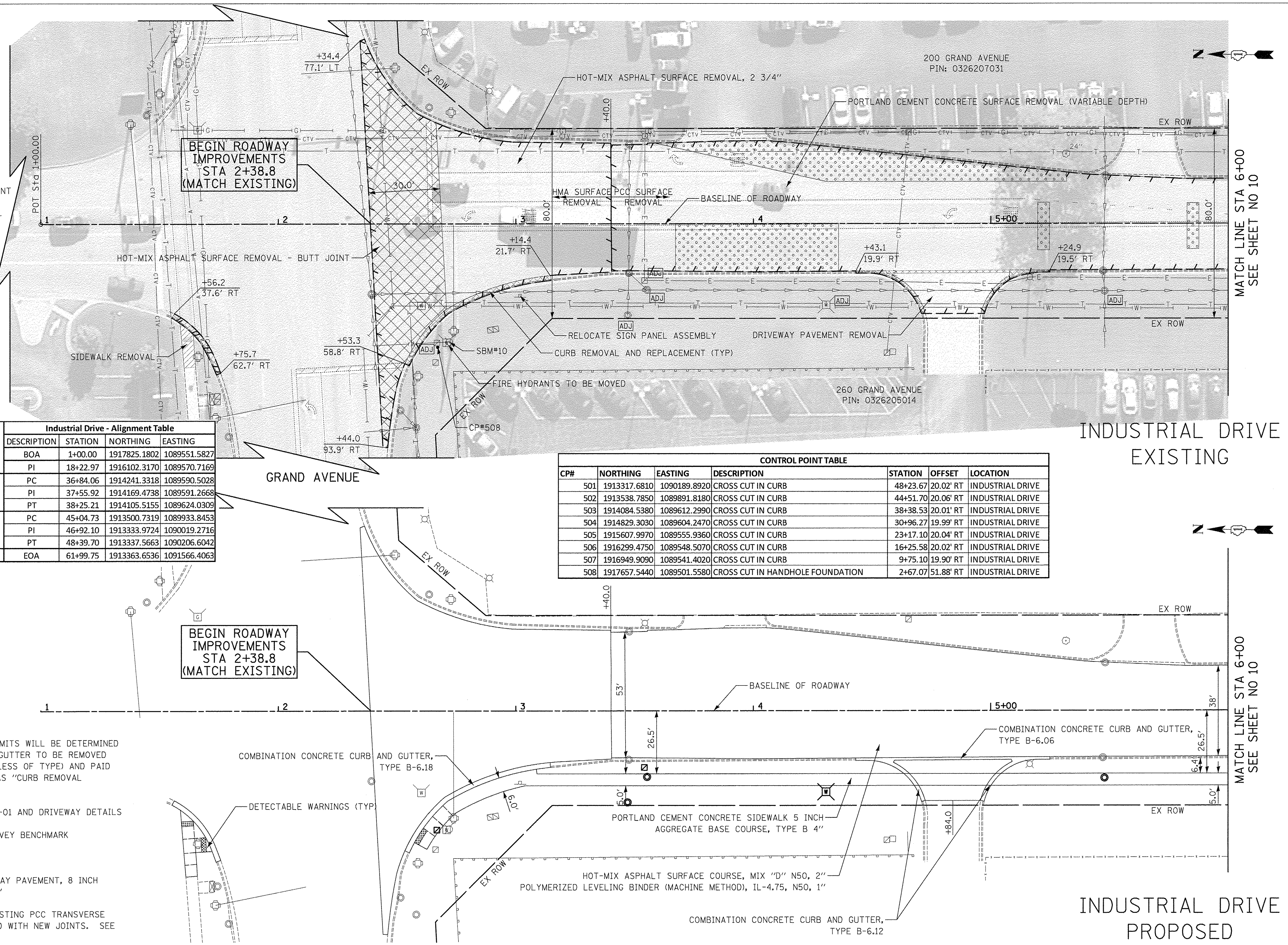
**LEGEND:**

-  REMOVAL LIMITS (REMOVAL ITEMS CALLED OUT ON PLANS)
-  HMA SURFACE REMOVAL BUTT JOINT
-  CURB REMOVAL AND REPLACEMENT
-  CLASS B PATCHES, 8"
-  DETECTABLE WARNING AND DEPRESSED CURB LOCATION (REFERENCE THE LATEST IDOT STANDARD 4240001)
-  FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
-  DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED

Industrial Drive - Alignment Table			
DESCRIPTION	STATION	NORTHING	EASTING
BOA	1+00.00	1917825.1802	1089551.5827
PI	18+22.97	1916102.3170	1089570.7169
Crv #1	PC	36+84.06	1914241.3318
	PI	37+55.92	1914169.4738
	PT	38+25.21	1914105.5155
Crv #2	PC	45+04.73	1913500.7319
	PI	46+92.10	1913333.9724
	PT	48+39.70	1913337.5663
	EOA	61+99.75	1913363.6536

CONTROL POINT TABLE						
CP#	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET	LOCATION
501	1913317.6810	1090189.8920	CROSS CUT IN CURB	48+23.67	20.02' RT	INDUSTRIAL DRIVE
502	1913538.7850	1089891.8180	CROSS CUT IN CURB	44+51.70	20.06' RT	INDUSTRIAL DRIVE
503	1914084.5380	1089612.2990	CROSS CUT IN CURB	38+38.53	20.01' RT	INDUSTRIAL DRIVE
504	1914829.3030	1089604.2470	CROSS CUT IN CURB	30+96.27	19.99' RT	INDUSTRIAL DRIVE
505	1915607.9970	1089555.9360	CROSS CUT IN CURB	23+17.10	20.04' RT	INDUSTRIAL DRIVE
506	1916299.4750	1089548.5070	CROSS CUT IN CURB	16+25.58	20.02' RT	INDUSTRIAL DRIVE
507	1916949.9090	1089541.4020	CROSS CUT IN CURB	9+75.10	19.90' RT	INDUSTRIAL DRIVE
508	1917657.5440	1089501.5580	CROSS CUT IN HANDHOLE FOUNDATION	2+67.07	51.88' RT	INDUSTRIAL DRIVE

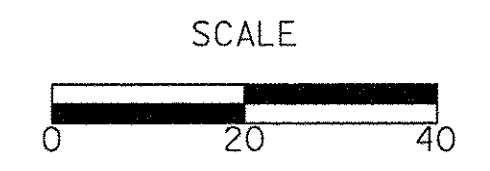
- NOTE:
- CURB REMOVAL AND REPLACEMENT LIMITS WILL BE DETERMINED BY FIELD ENGINEER. ALL CURB AND GUTTER TO BE REMOVED WILL BE REPLACED IN KIND (REGARDLESS OF TYPE) AND PAID FOR AT THE SAME UNIT BID PRICE AS "CURB REMOVAL AND REPLACEMENT".
  - FOR DRIVEWAY LAYOUT SEE IDOT BD-01 AND DRIVEWAY DETAILS
  - SEE GENERAL NOTES SHEET FOR SURVEY BENCHMARK INFORMATION
  - PROPOSED DRIVEWAY PAVEMENT - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
  - AFTER HMA SURFACE IS PLACED, EXISTING PCC TRANSVERSE JOINTS WILL BE SAWCUT AND SEALED WITH NEW JOINTS. SEE DETAIL.



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**ROADWAY PLAN**

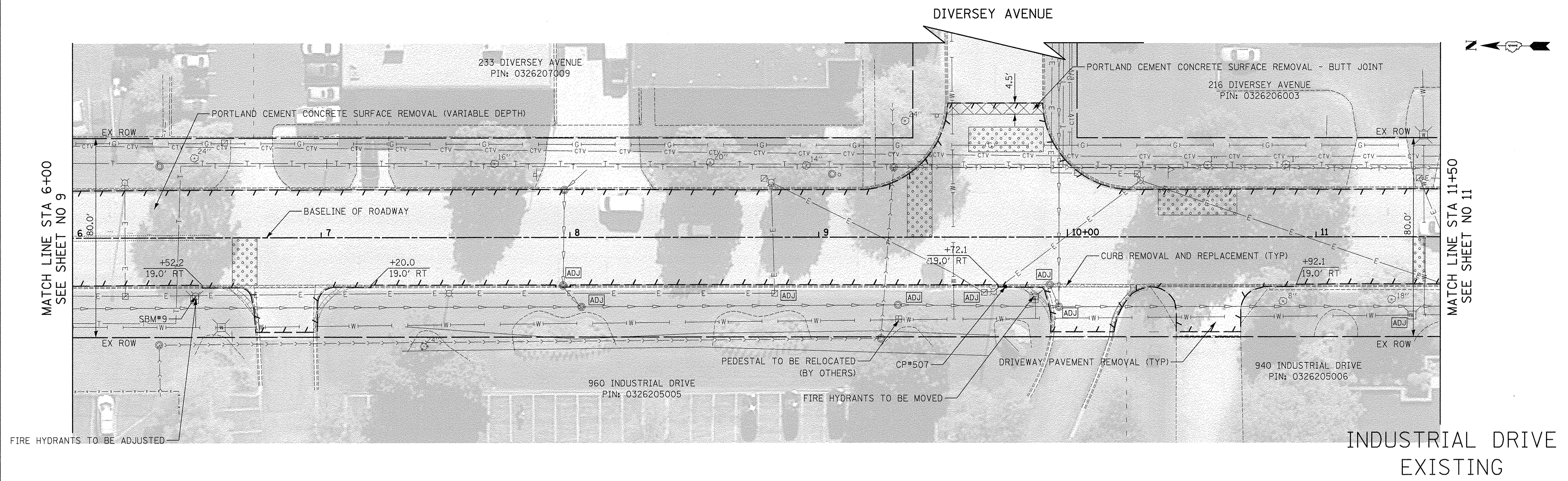
SHEET NO. 1 OF 11 SHEETS STA. 2+38.8 TO STA. 6+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	9
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

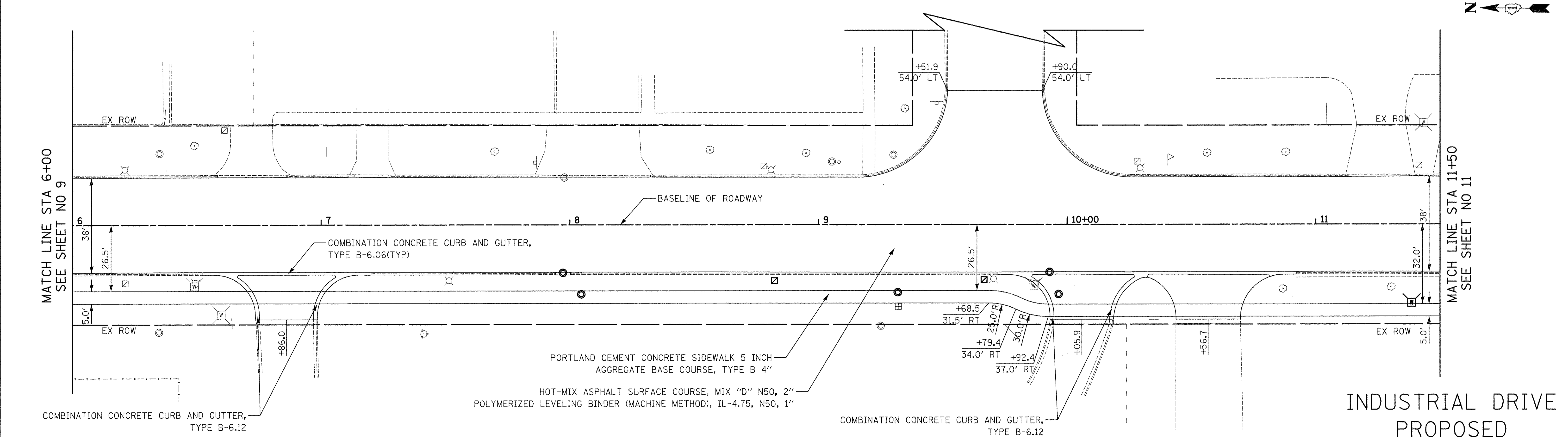


PLAN	SURVEYED	DATE
	PLOTTED	
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	BY	
	NO. OF DAYS CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF DAYS CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



INDUSTRIAL DRIVE  
EXISTING

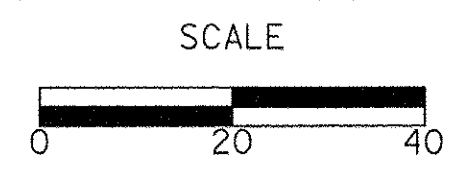


INDUSTRIAL DRIVE  
PROPOSED

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

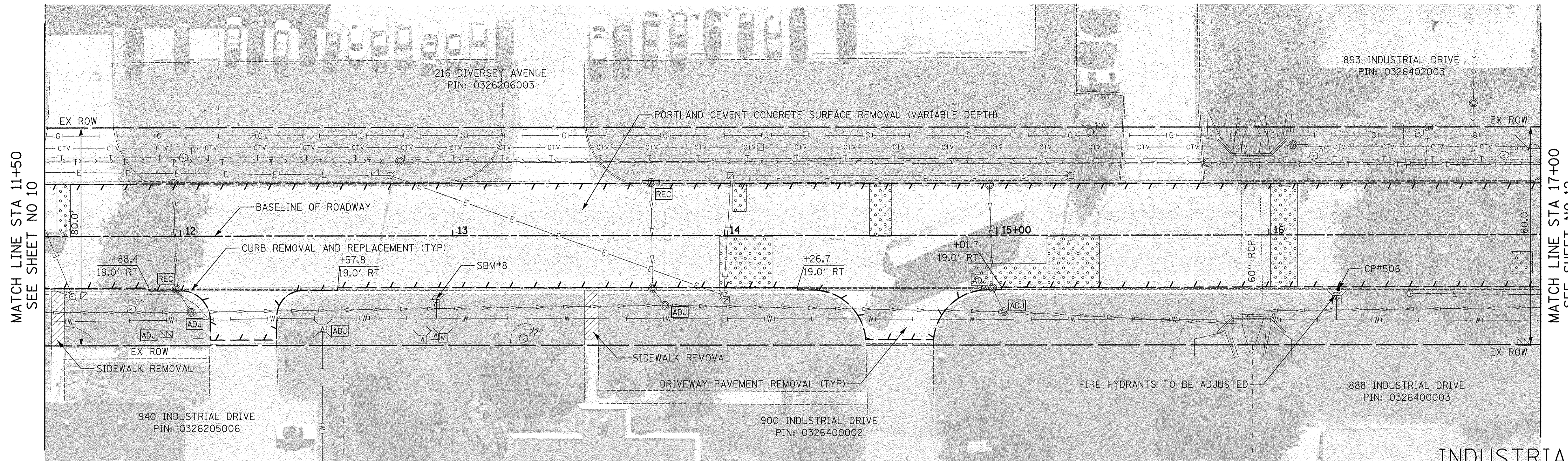


**ROADWAY PLAN**

SHEET NO. 2 OF 11 SHEETS STA. 6+00 TO STA. 11+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 61D49		

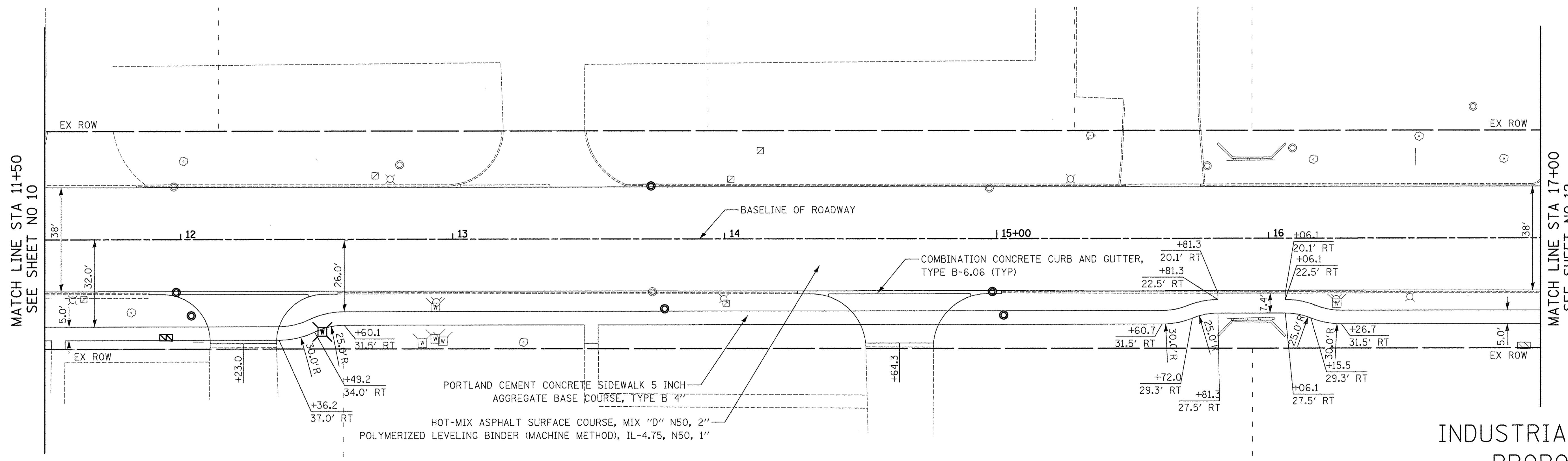
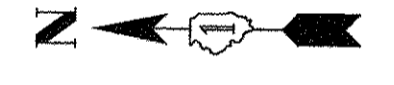




MATCH LINE STA 11+50  
SEE SHEET NO 10

MATCH LINE STA 17+00  
SEE SHEET NO 12

INDUSTRIAL DRIVE  
EXISTING



MATCH LINE STA 11+50  
SEE SHEET NO 10

MATCH LINE STA 17+00  
SEE SHEET NO 12

INDUSTRIAL DRIVE  
PROPOSED

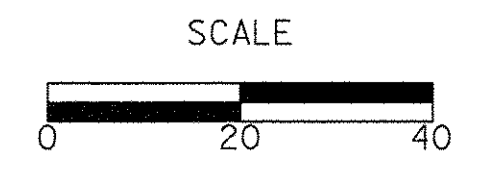
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PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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	STRUCTURE NOTATIONS CHECKED	

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STATE OF ILLINOIS  
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ROADWAY PLAN

SHEET NO. 3 OF 11 SHEETS STA. 11+50 TO STA. 17+00

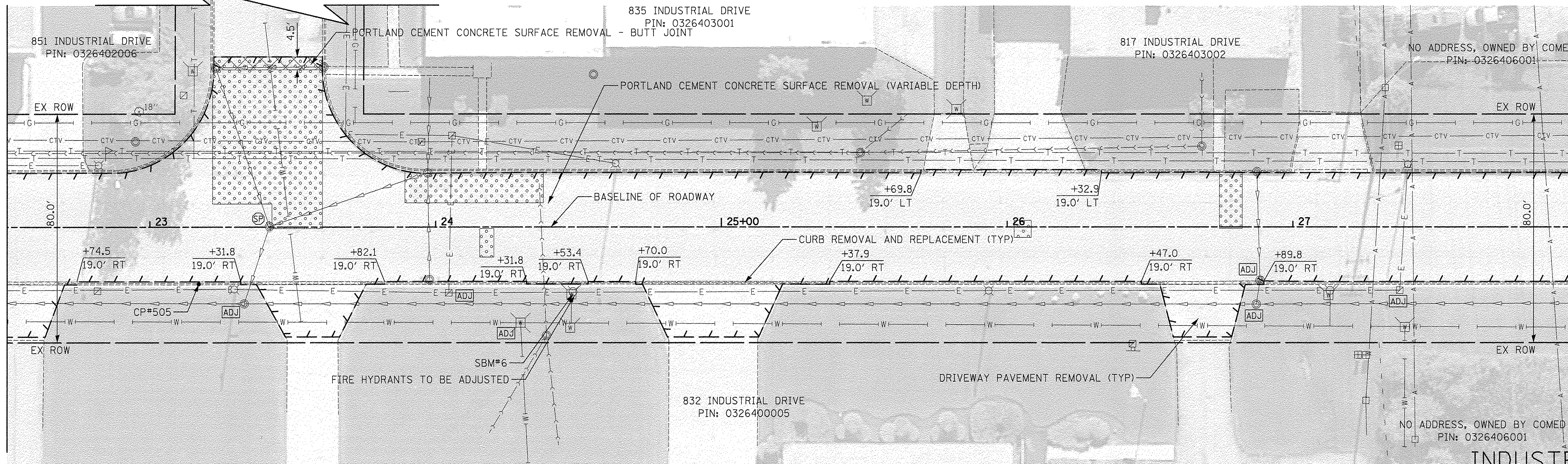
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1084	16-00186-00-RP	DUPAGE	78	11
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D49	



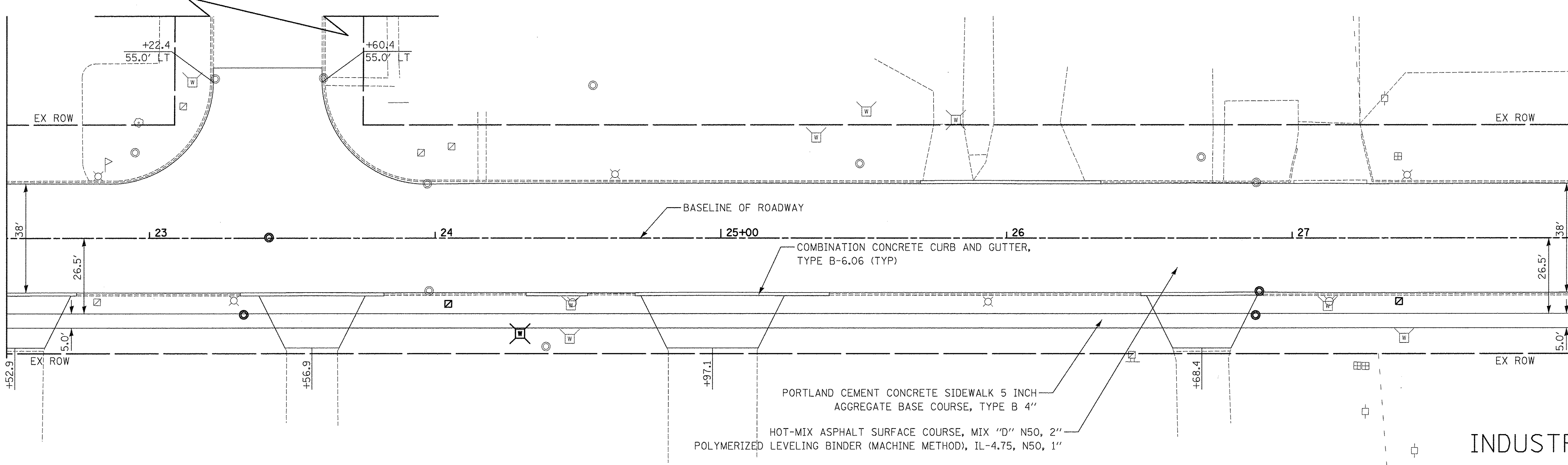




WRIGHTWOOD AVENUE



INDUSTRIAL DRIVE  
EXISTING



INDUSTRIAL DRIVE  
PROPOSED

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	

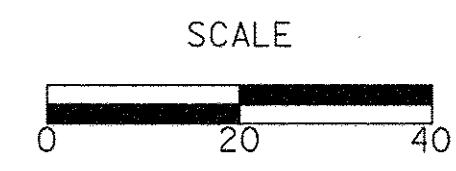
MATCH LINE STA 22+50  
SEE SHEET NO 12

MATCH LINE STA 28+00  
SEE SHEET NO 14

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DEPARTMENT OF TRANSPORTATION



ROADWAY PLAN

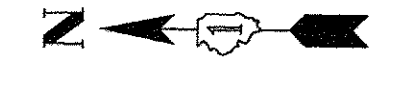
SHEET NO. 5 OF 11 SHEETS STA. 22+50 TO STA. 28+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	13
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 61D49		





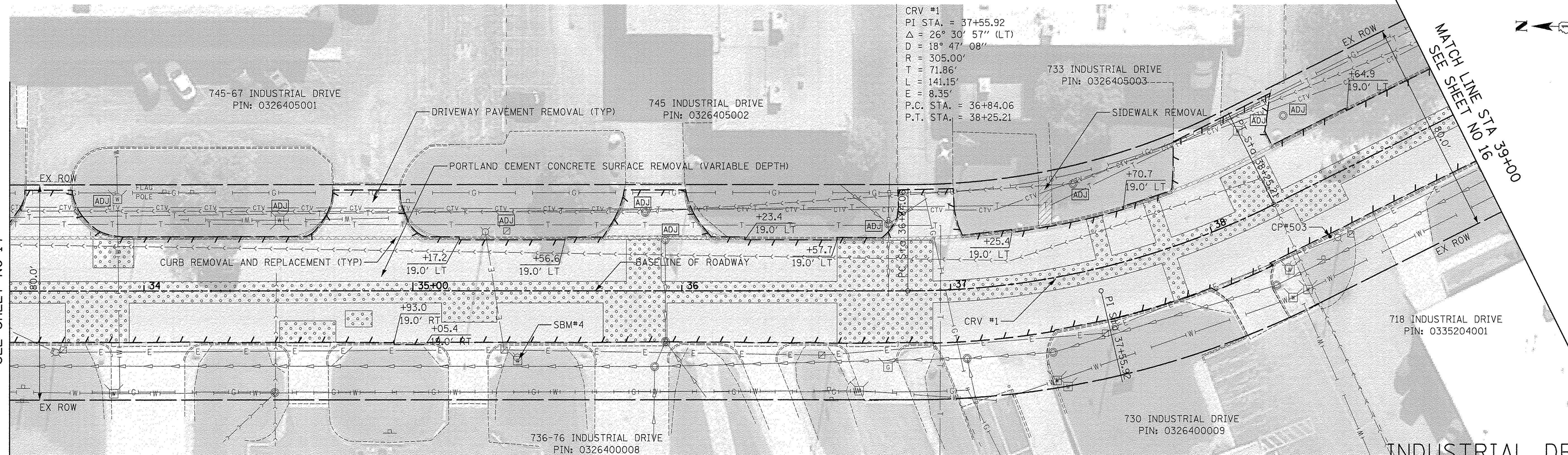




CRV #1  
 PI STA. = 37+55.92  
 $\Delta = 26^\circ 30' 57''$  (LT)  
 $D = 18^\circ 47' 08''$   
 $R = 305.00'$   
 $T = 71.86'$   
 $L = 141.15'$   
 $E = 8.35'$   
 P.C. STA. = 36+84.06  
 P.T. STA. = 38+25.21

MATCH LINE STA 33+50  
 SEE SHEET NO 14

MATCH LINE STA 39+00  
 SEE SHEET NO 16



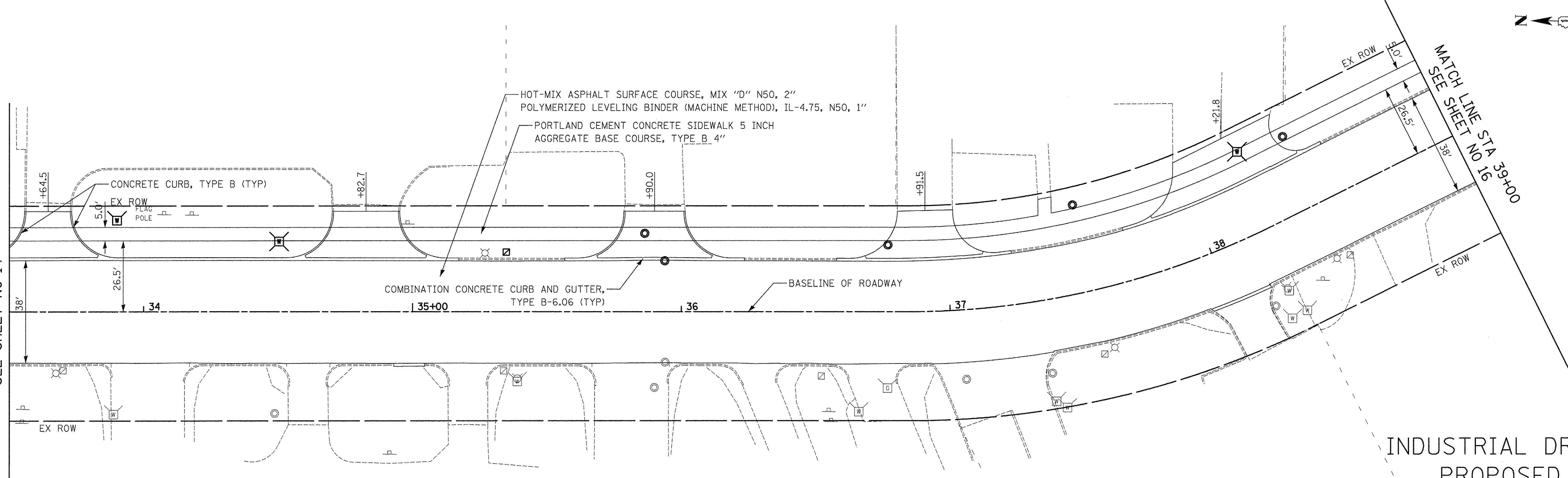
INDUSTRIAL DRIVE  
 EXISTING



HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50, 2"  
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"  
 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH  
 AGGREGATE BASE COURSE, TYPE B, 4"

MATCH LINE STA 33+50  
 SEE SHEET NO 14

MATCH LINE STA 39+00  
 SEE SHEET NO 16



INDUSTRIAL DRIVE  
 PROPOSED

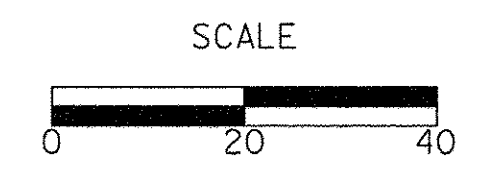
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	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

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DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

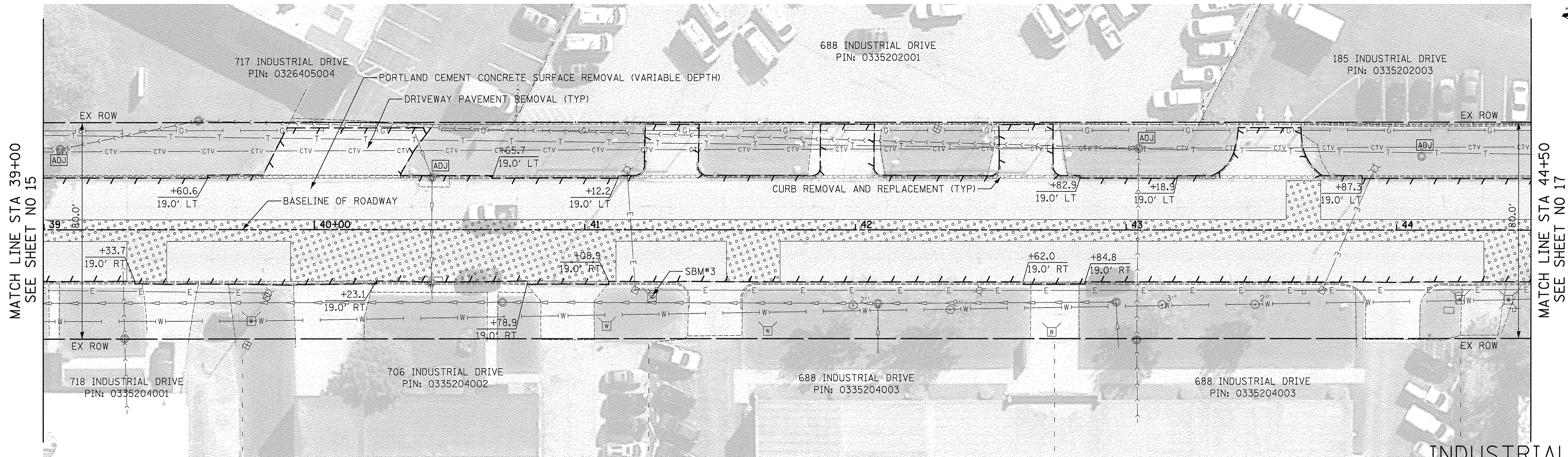
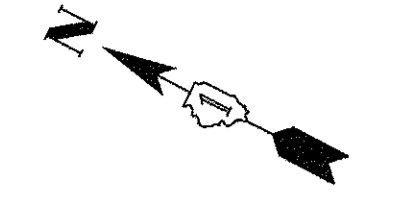


ROADWAY PLAN

SHEET NO. 7 OF 11 SHEETS STA. 33+50 TO STA. 39+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	15
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D49	

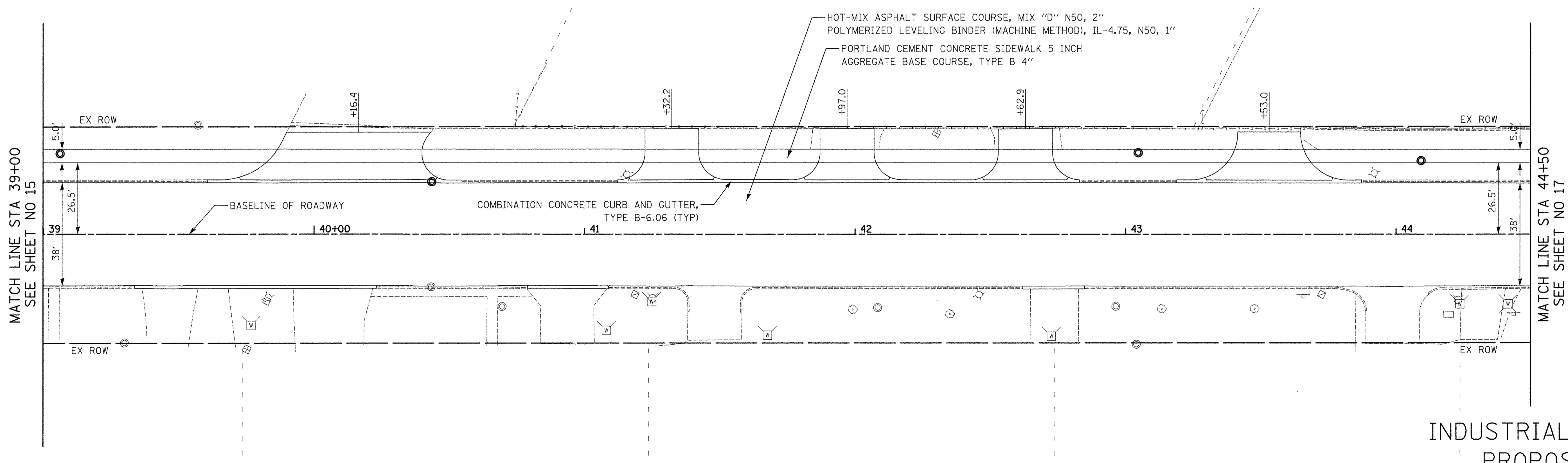
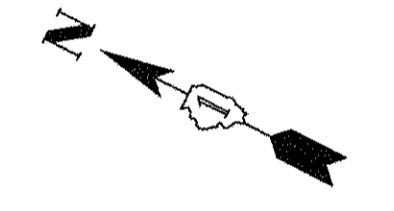




MATCH LINE STA 39+00  
SEE SHEET NO 15

MATCH LINE STA 44+50  
SEE SHEET NO 17

INDUSTRIAL DRIVE  
EXISTING



MATCH LINE STA 39+00  
SEE SHEET NO 15

MATCH LINE STA 44+50  
SEE SHEET NO 17

INDUSTRIAL DRIVE  
PROPOSED

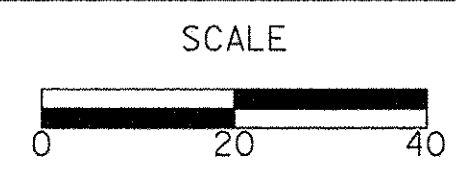
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	PLOTTED	
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	BY	
	NO. OF MAY CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF MAY CHECKED	
	STRUCTURE NOTATIONS CHECKED	

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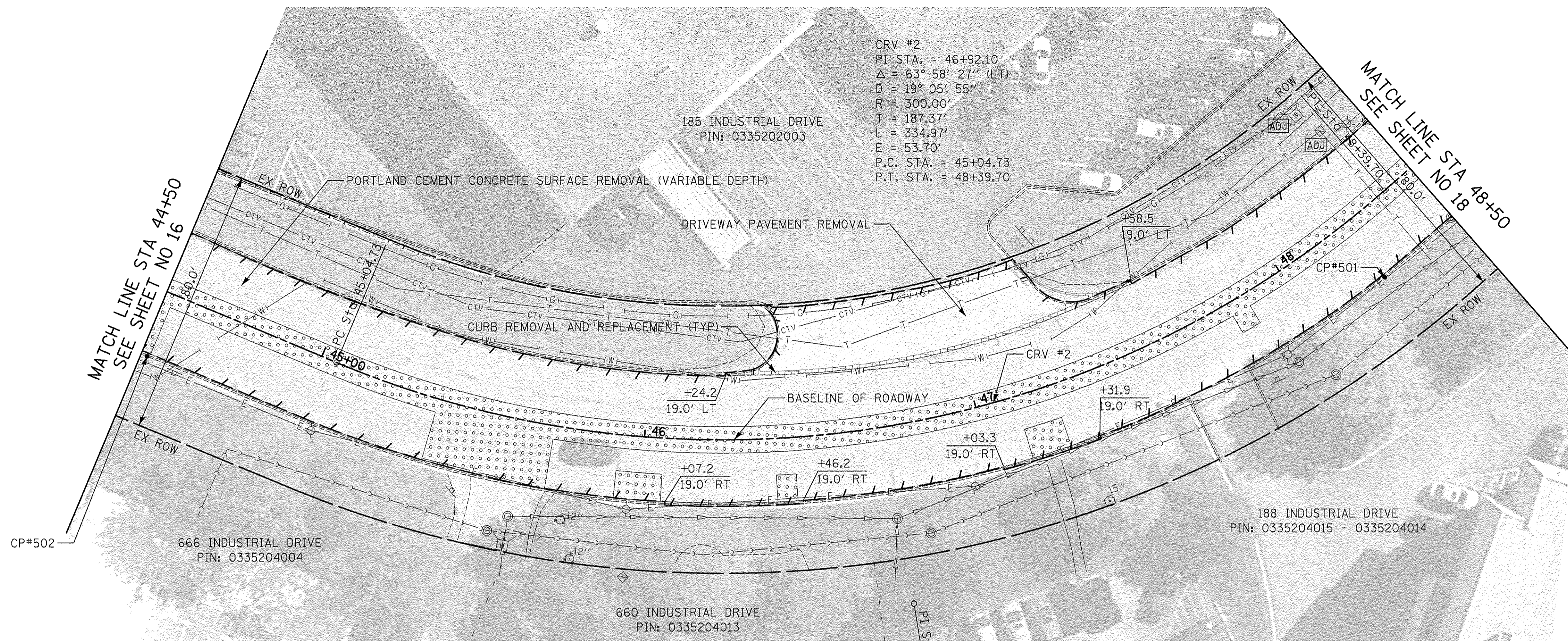
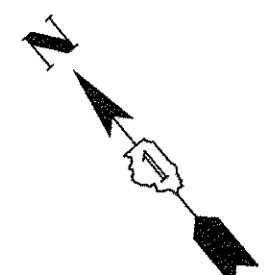


ROADWAY PLAN

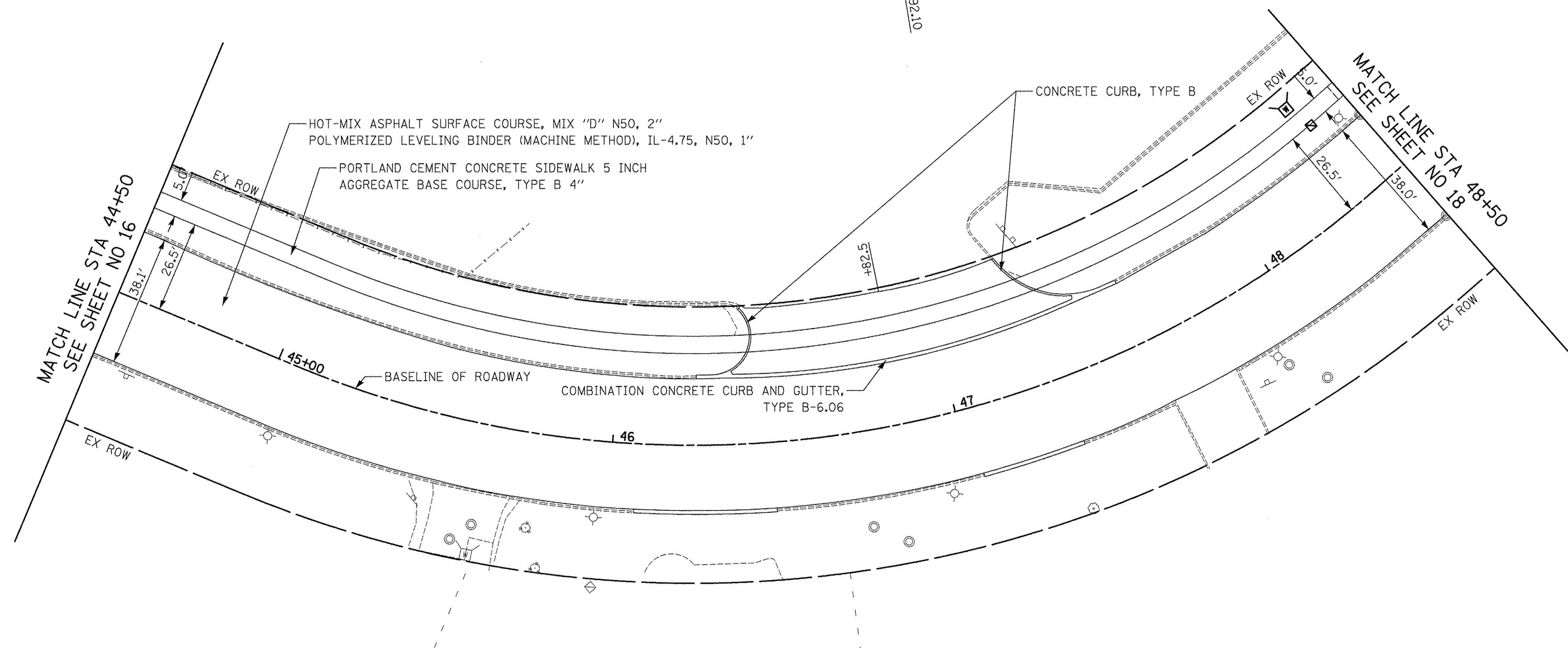
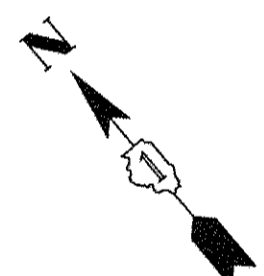
SHEET NO. 8 OF 11 SHEETS STA. 39+00 TO STA. 44+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	16
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D49	





INDUSTRIAL DRIVE  
EXISTING



INDUSTRIAL DRIVE  
PROPOSED

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	NOTE BOOK	REVISIONS
	CADD FILE NAME	NO.

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE	CHECKED
	NOTATIONS	CHKD
	NO.	



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DATE -	12/02/2016	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE

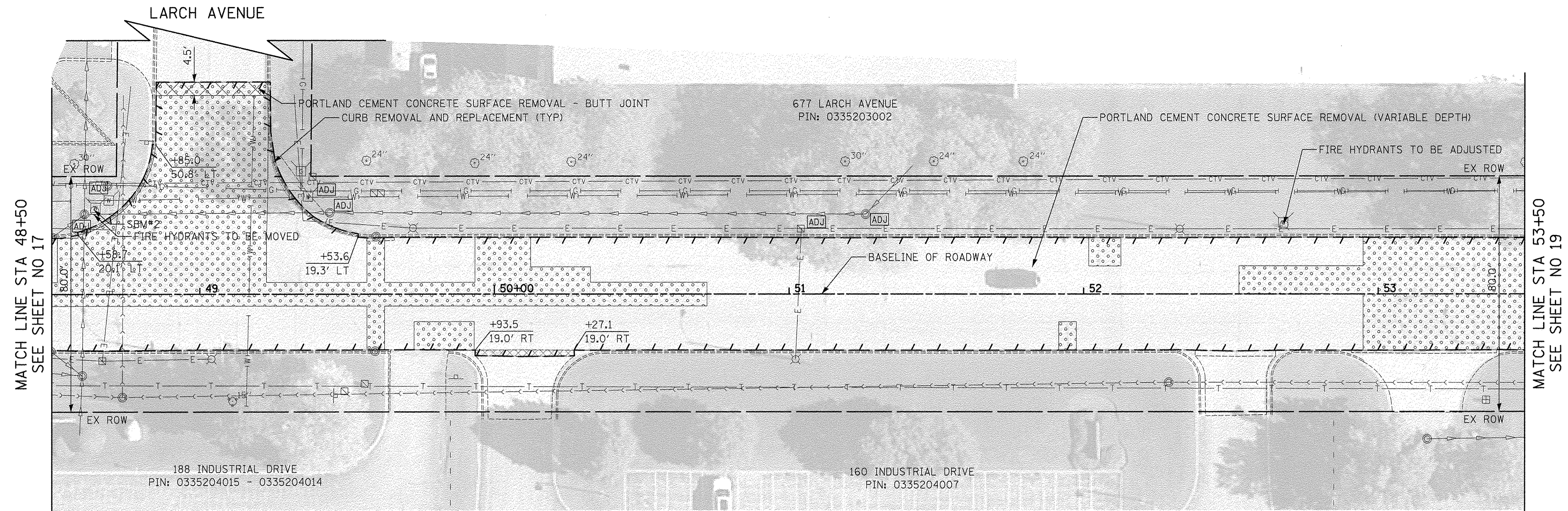


ROADWAY PLAN

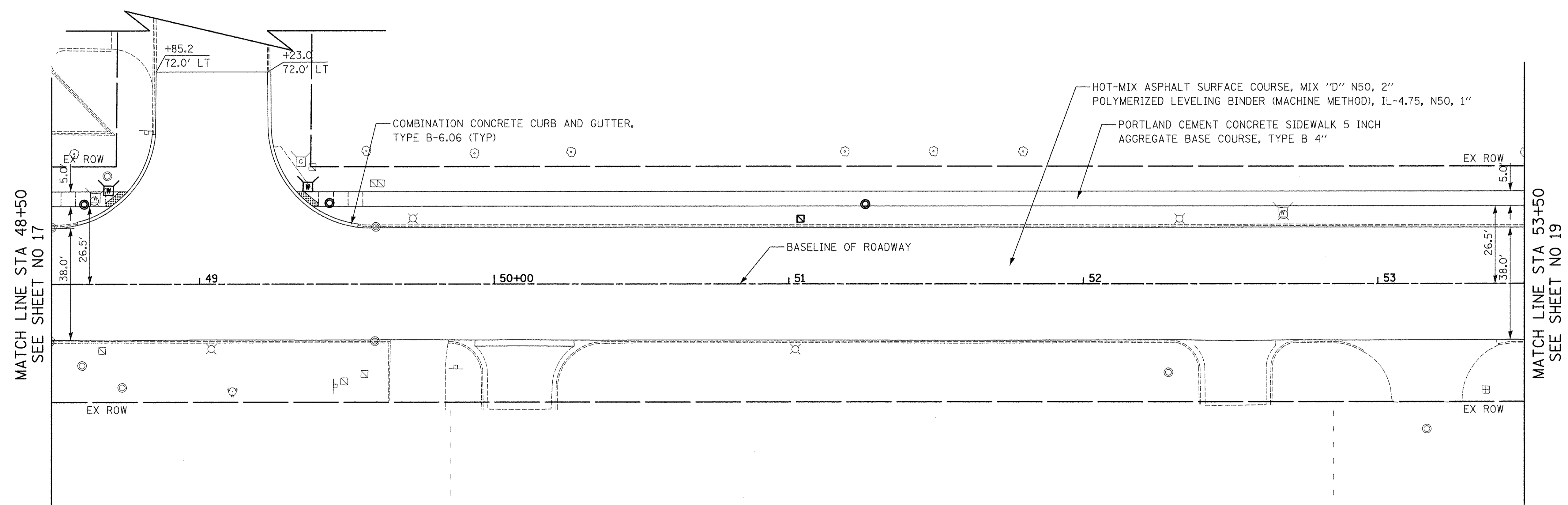
SHEET NO. 9 OF 11 SHEETS STA. 44+50 TO STA. 48+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	17
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D49	





INDUSTRIAL DRIVE  
EXISTING



INDUSTRIAL DRIVE  
PROPOSED

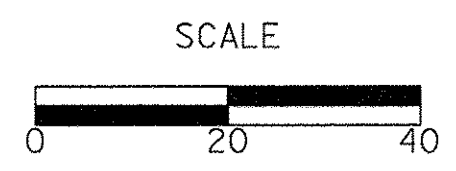
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PROFILE	SURVEYED	DATE
	ALIGNED	
	NOTED	
	BY	
	NO. OF WAY CHECKED	
	CADD FILE NAME	

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

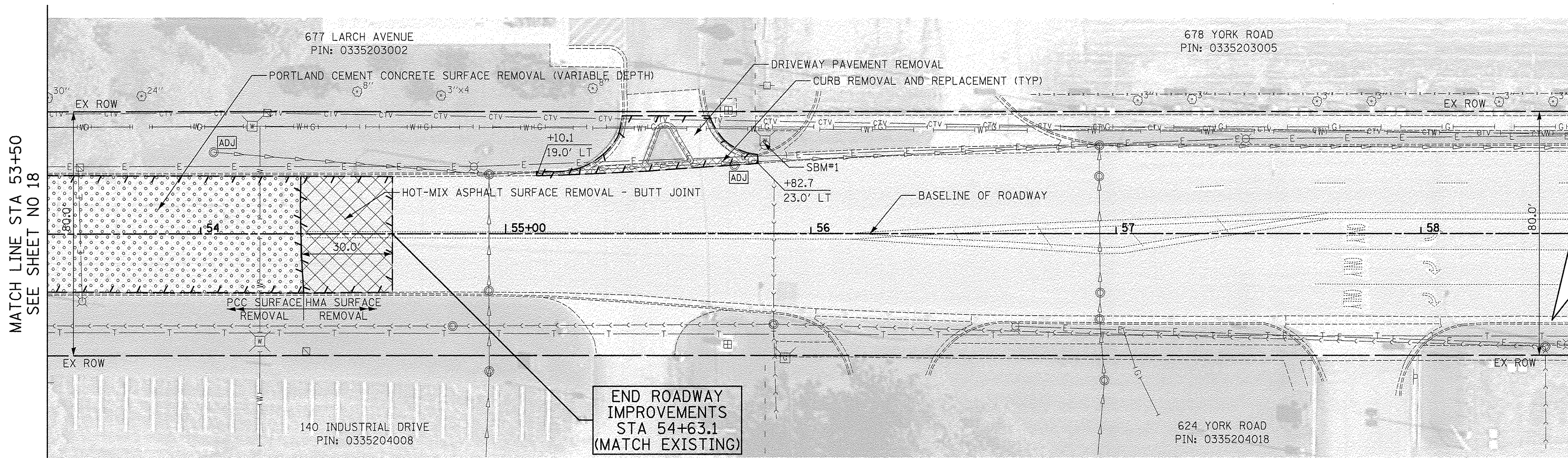


ROADWAY PLAN

SHEET NO. 10 OF 11 SHEETS STA. 48+50 TO STA. 53+50

F.A.U. RTE. 1084	SECTION 16-00186-00-RP	COUNTY DUPAGE	TOTAL SHEETS 78	SHEET NO. 18
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D49	

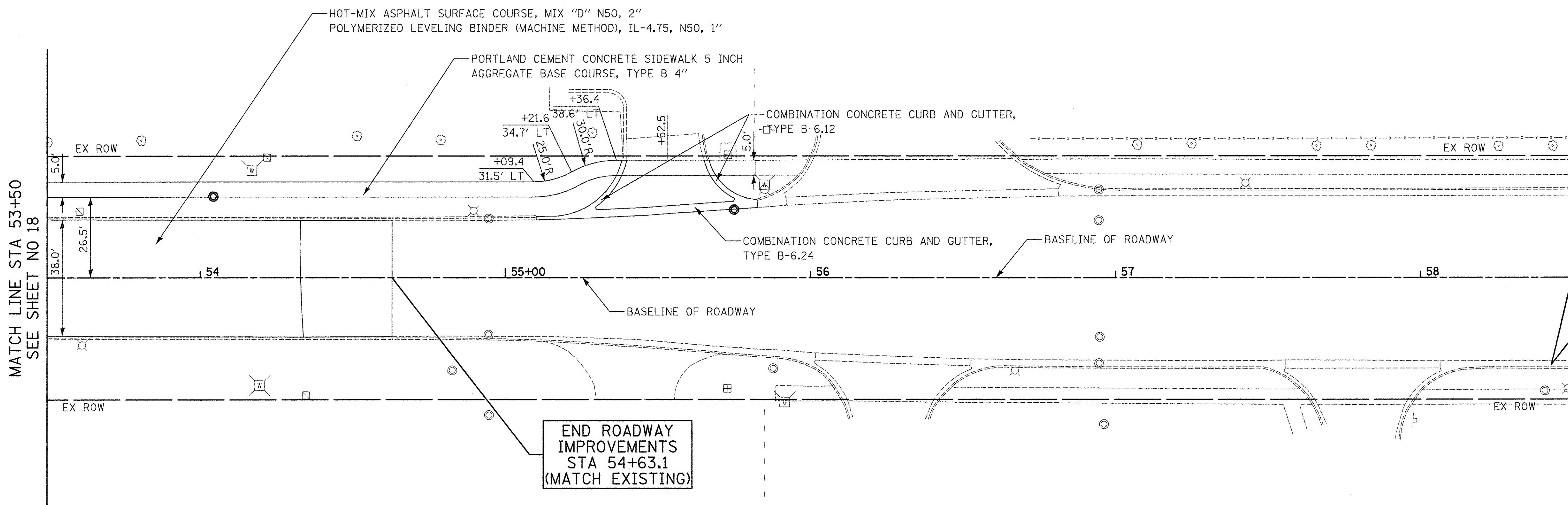




MATCH LINE STA 53+50  
SEE SHEET NO 18

END ROADWAY  
IMPROVEMENTS  
STA 54+63.1  
(MATCH EXISTING)

INDUSTRIAL DRIVE  
EXISTING



MATCH LINE STA 53+50  
SEE SHEET NO 18

END ROADWAY  
IMPROVEMENTS  
STA 54+63.1  
(MATCH EXISTING)

INDUSTRIAL DRIVE  
PROPOSED

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHKD	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	



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SCALE



ROADWAY PLAN

SHEET NO. 11 OF 11 SHEETS STA. 53+50 TO STA. 54+63

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	19
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61D49				



MAINTENANCE OF TRAFFIC GENERAL NOTES

- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2004", AND THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST TWO WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- ADDITIONAL SIGNING AND/OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST.
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS AND OTHER DEVICES INTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY, INCLUDING SUNDAYS AND HOLIDAYS.
- TYPE III BARRICADES SHALL BE USED AT POINTS OF CLOSURE TO THRU TRAFFIC ONLY AND SHALL NOT EXCEED 8 FEET IN WIDTH EACH FOR A SINGLE APPROACH LANE. ALL BARRICADES AT THESE LOCATIONS SHALL HAVE REFLECTORIZED STRIPING ON THE BACK SIDES OF THE BARRICADES.
- CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT, ARTICLE 701.11 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- DURING NON-WORKING HOURS THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE TYPE III BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNS, INCLUDING CLEARING VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
- THE ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS BEFORE THE ROAD IS TO BE REOPENED TO TRAFFIC. THE CONTRACTOR WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE INCLUDED AT THE INTERSECTION OF GRAND AVENUE/INDUSTRIAL DRIVE, GRAND AVENUE/YORK STREET, AND YORK STREET/INDUSTRIAL DRIVE WHILE THE INDUSTRIAL DRIVE DETOUR IS IN OPERATION.

PRE-STAGE 1

- SET UP EROSION CONTROL PER PLAN

STAGE 1

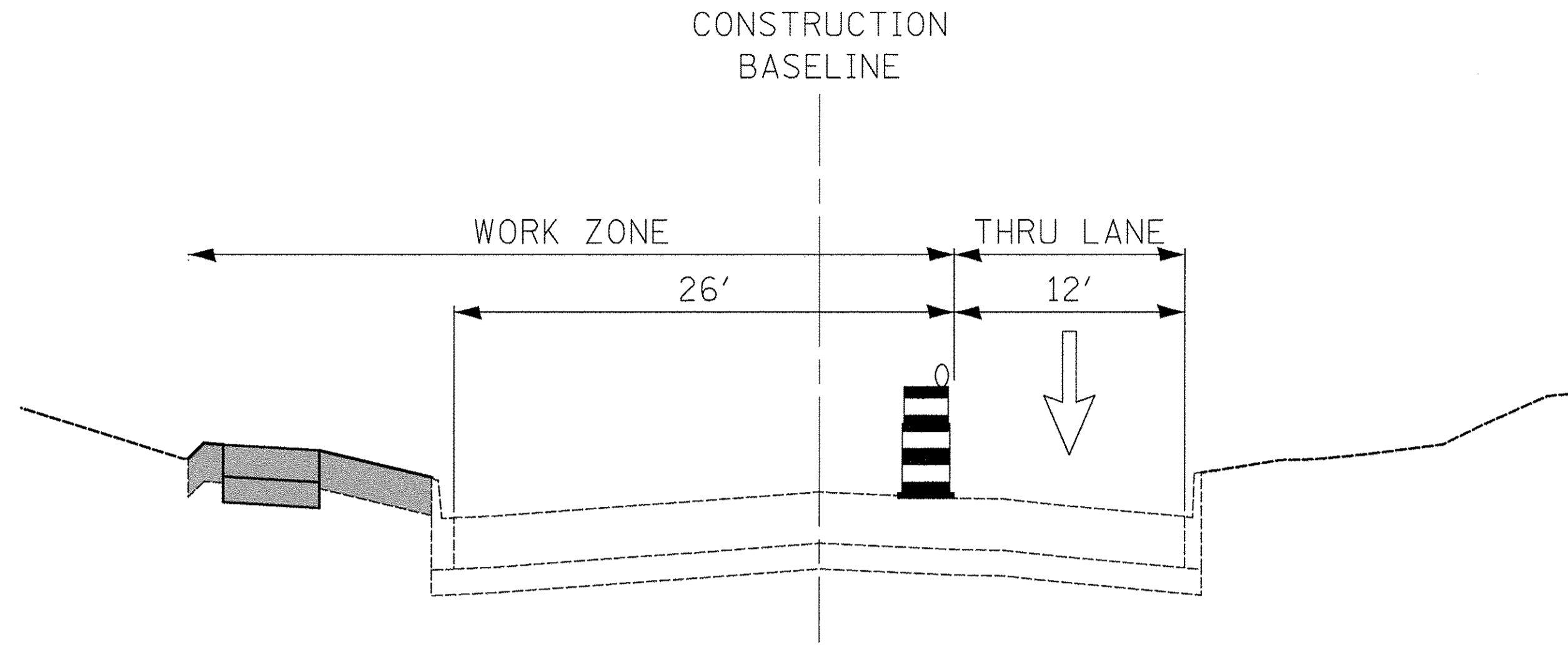
- SET UP DETOUR PLAN FOR ONE-WAY NORTHBOUND TRAFFIC BETWEEN GRAND AVENUE AND YORK STREET.
- CONSTRUCT NECESSARY PAVEMENT PATCHING IN STAGE 1 WORK ZONE.
- INSTALL CURB AND GUTTER, SIDEWALK AND DRIVEWAYS ALONG EAST SIDE OF INDUSTRIAL DRIVE.

STAGE 2

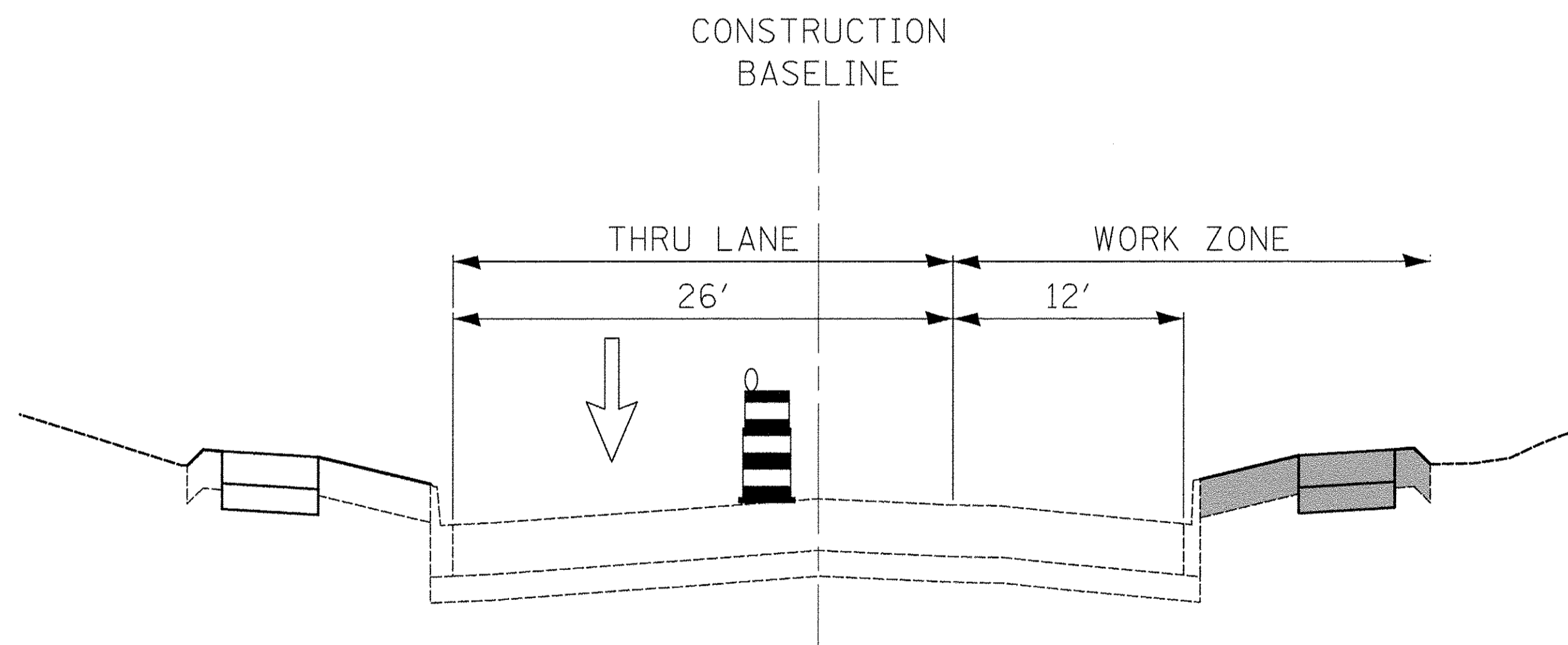
- SWITCH NORTHBOUND TRAFFIC TO EAST SIDE OF INDUSTRIAL DRIVE.
- CONSTRUCT REMAINING PAVEMENT PATCHES IN STAGE 2 WORK ZONE.
- INSTALL CURB AND GUTTER, SIDEWALK AND DRIVEWAYS ALONG WEST SIDE OF INDUSTRIAL DRIVE.

STAGE 3

- MILL EXISTING INDUSTRIAL DRIVE PAVEMENT USING TEMPORARY LANE CLOSURES.
- PLACE HMA BINDER AND SURFACE COURSE ON MILLED PAVEMENT USING TEMPORARY LANE CLOSURES.
- COMPLETE RESTORATION



INDUSTRIAL DRIVE - STAGE 1  
STA 2+38.0 TO STA 56+00.0



INDUSTRIAL DRIVE - STAGE 2  
STA 2+38.0 TO STA 56+00.0

DATE	BY	SURVEYED	PLOTTED	CHECKED	DATE
PLAN	NO.	NO.	NO.	NO.	NO.

DATE	BY	SURVEYED	PLOTTED	CHECKED	DATE
PROFILE	NO.	NO.	NO.	NO.	NO.



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC  
GENERAL NOTES & TYPICAL SECTIONS

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	20
CONTRACT NO. 61D49			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	





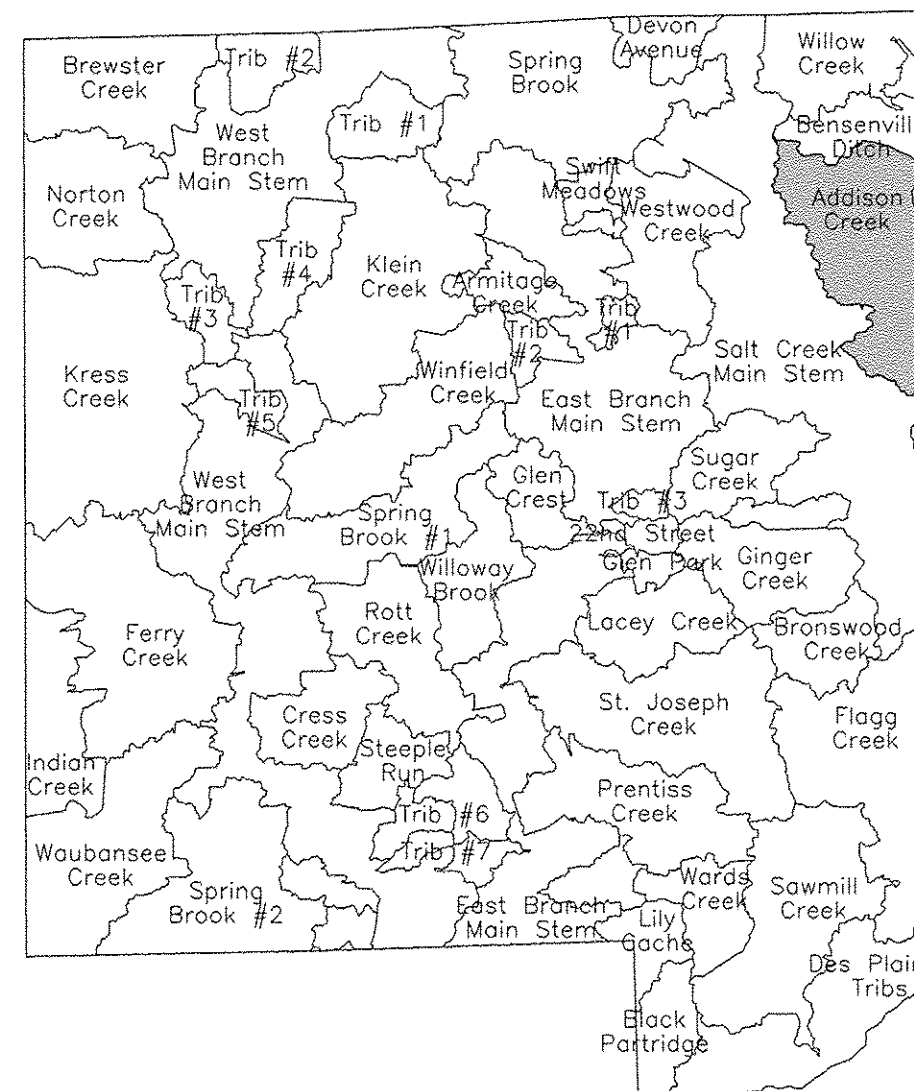


# EROSION CONTROL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ARTICLE VII OF THE DUPAGE COUNTY COUNTYWIDE STORMWATER AND FLOOD PLAIN ORDINANCE, EFFECTIVE APRIL 2013 AND ALL SUBSEQUENT REVISIONS. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMITS ILR10 AND ILR40.
2. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
3. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
4. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODIBLE/BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED.
5. WHERE WETLANDS ARE TO REMAIN, THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF OR STOCKPILED IN WETLANDS.
6. STOCKPILES AND MATERIAL STORAGE ARE PROHIBITED IN SPECIAL MANAGEMENT AREAS INCLUDING WETLANDS, WETLAND BUFFERS, AND FLOOD PLAINS. LOCATIONS OF STOCKPILES MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES.
7. RECEPTACLES FOR CONSTRUCTION DEBRIS, INCLUDING CONCRETE TRUCK WASHOUT WASTE, SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. THESE WILL NOT BE ALLOWED IN SPECIAL MANAGEMENT AREAS. RECEPTACLES AND THEIR LOCATIONS MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE APPLICABLE ITEMS OF WORK.
8. HAY OR STRAW BALES WILL NOT BE ALLOWED AS PERIMETER EROSION BARRIER OR AS A DITCH CHECK.
9. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
10. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
11. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.
12. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
13. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
14. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.
15. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
16. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.
17. THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHIN 24 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
18. THE COST OF REMOVING SEDIMENT OR REPAIRING EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.

**NPDES STATEMENT:**

THIS PROJECT DISTURBS 5.08 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES STORMWATER PERMIT IS REQUIRED FOR THIS PROJECT.

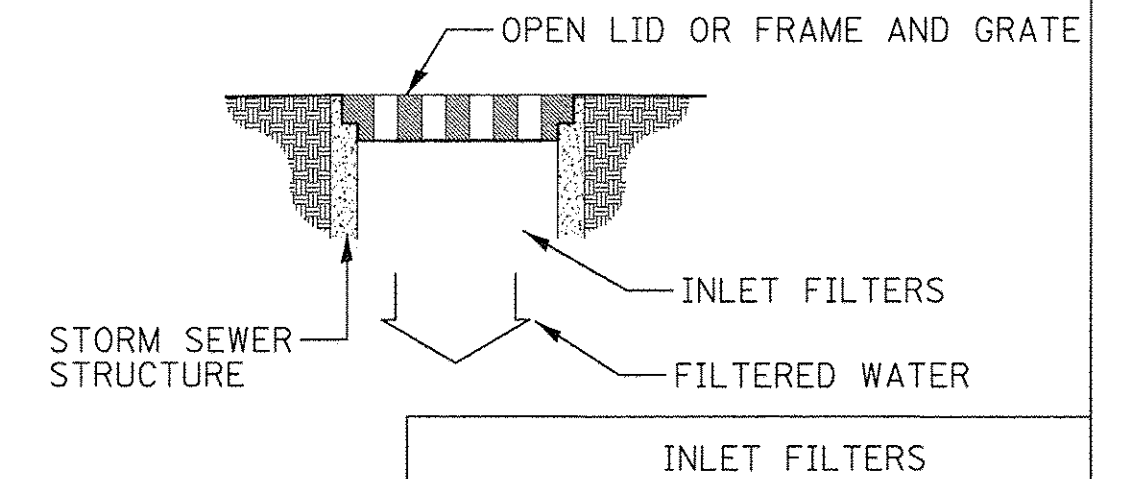


- I. DES PLAINES RIVER WATERSHED**
1. Willow Creek
  2. Bensenville Ditch
  3. Flogg Creek
  4. Des Plaines Tribs
  5. Black Partridge
  5. Addison Creek

**ESTIMATED QUANTITIES:**

- 4,995 FEET - TEMPORARY CONSTRUCTION FENCE
- 379 FEET - PERIMETER EROSION BARRIER
- 41 EACH - INLET FILTERS
- 7,182 SQ YD - SODDING, SALT TOLERANT
- 9 EACH - TREE PROTECTION & PRESERVATION
- 6 EACH - FLOCCULATION LOGS
- 18 POUND - FLOCCULATION POWDER

**NOTE:**  
ALL OPEN LID MANHOLES, INLETS AND CATCH BASINS REGARDLESS OF WHETHER THEY ARE DESIGNATED TO BE PROTECTED WITH INLET AND PIPE PROTECTION, ARE TO USE A DRAINAGE STRUCTURE INLET FILTER ASSEMBLY, CONSISTING OF A FRAME AND FILTER BAG, TO COLLECT SEDIMENT IN THE SURFACE STORMWATER RUNOFF AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR SEPARATELY.



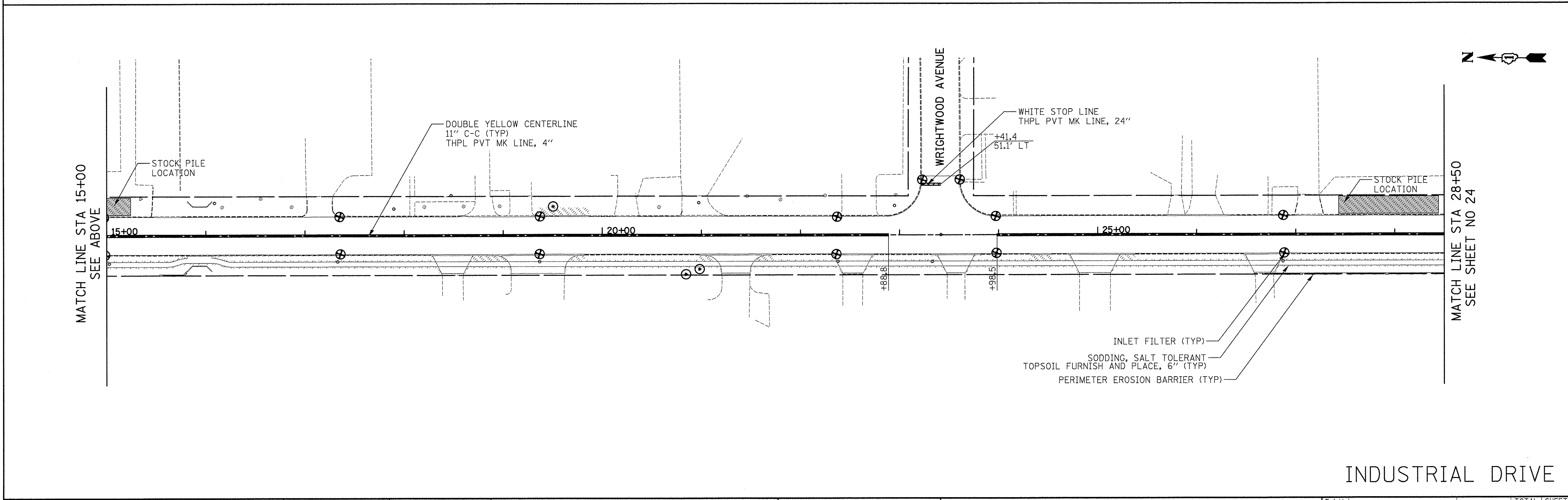
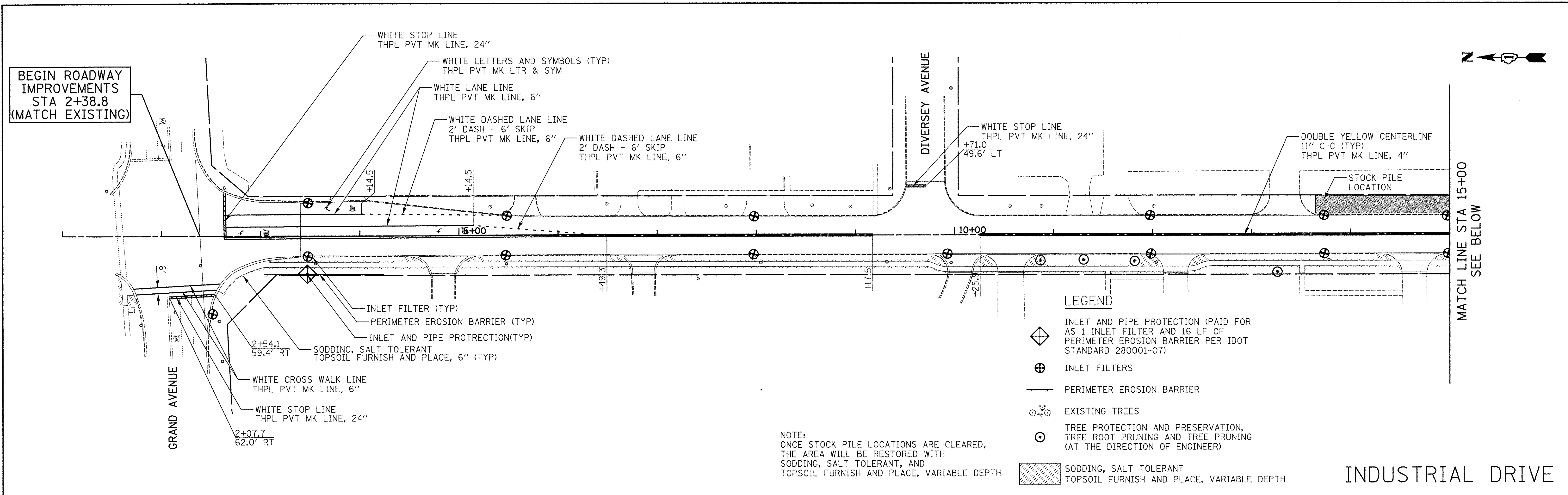
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PROFILE	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
NO.	GRADES CHECKED	
	AS NOTED	
	STRUCTURE	
	NOTATIONS CHECKED	
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GRADES CHECKED	
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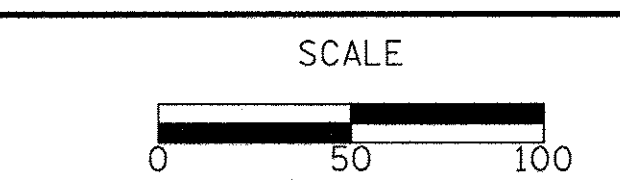
DATE	
BY	
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DEPARTMENT OF TRANSPORTATION**



**EROSION CONTROL, PAVEMENT MARKING  
AND SIGNING PLAN**

SHEET NO. 1 OF 3 SHEETS STA. 3+40 TO STA. 28+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	23
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



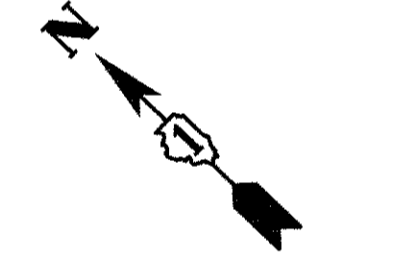
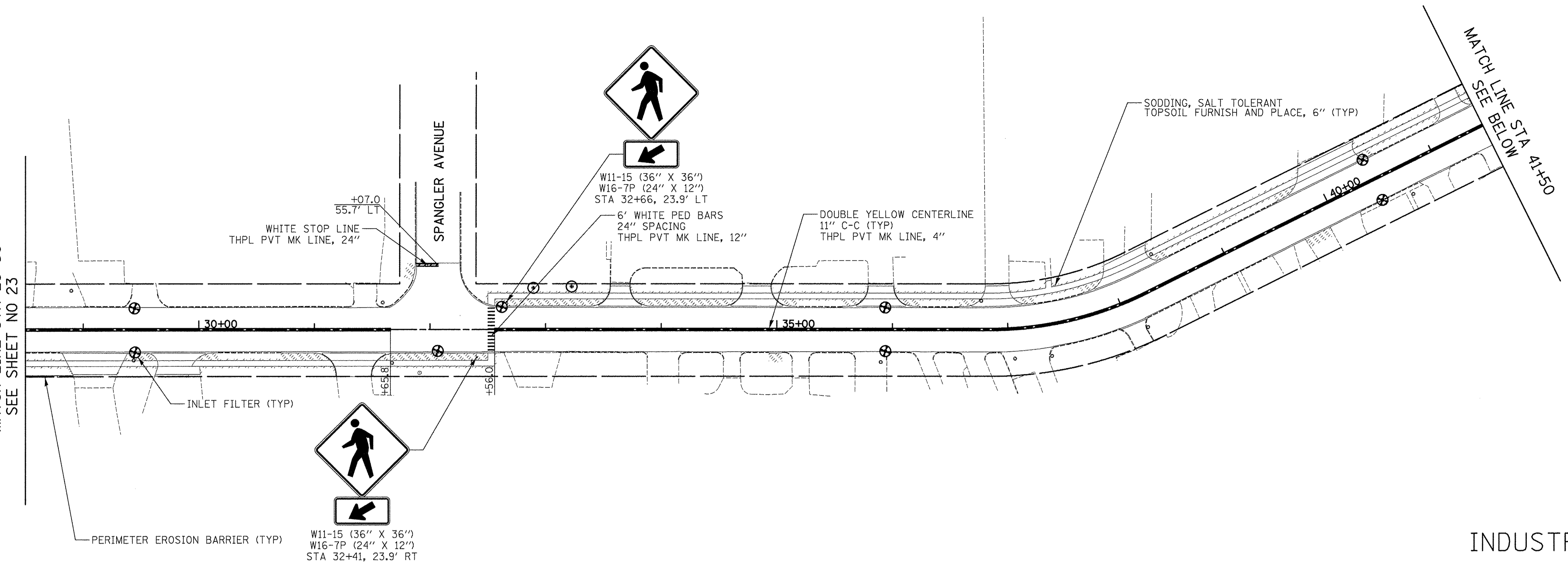


MATCH LINE STA 41+50  
SEE BELOW

MATCH LINE STA 28+50  
SEE SHEET NO 23

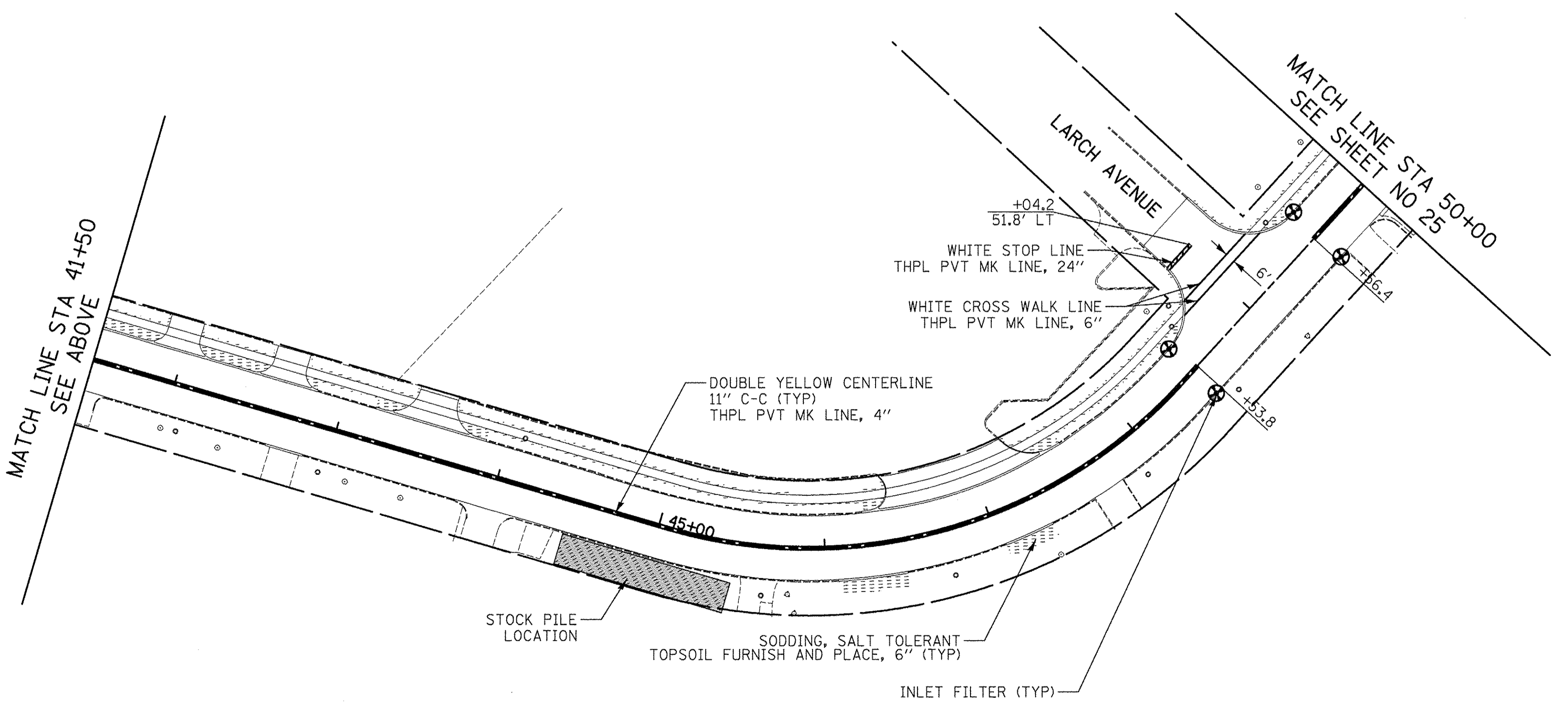
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	PLOTTED	BY
	NOTED	NO.
	CHECKED	
	REVISIONS	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTED	NO.
	CHECKED	
	REVISIONS	
	DATE	



MATCH LINE STA 50+00  
SEE SHEET NO 25

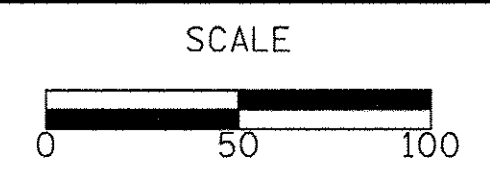
MATCH LINE STA 41+50  
SEE ABOVE



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CHECKED -	RTM	REVISED -	
DATE -	12/02/2016	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**EROSION CONTROL, PAVEMENT MARKING  
AND SIGNING PLAN**

SHEET NO. 2 OF 3 SHEETS | STA. 28+50 TO STA. 50+00

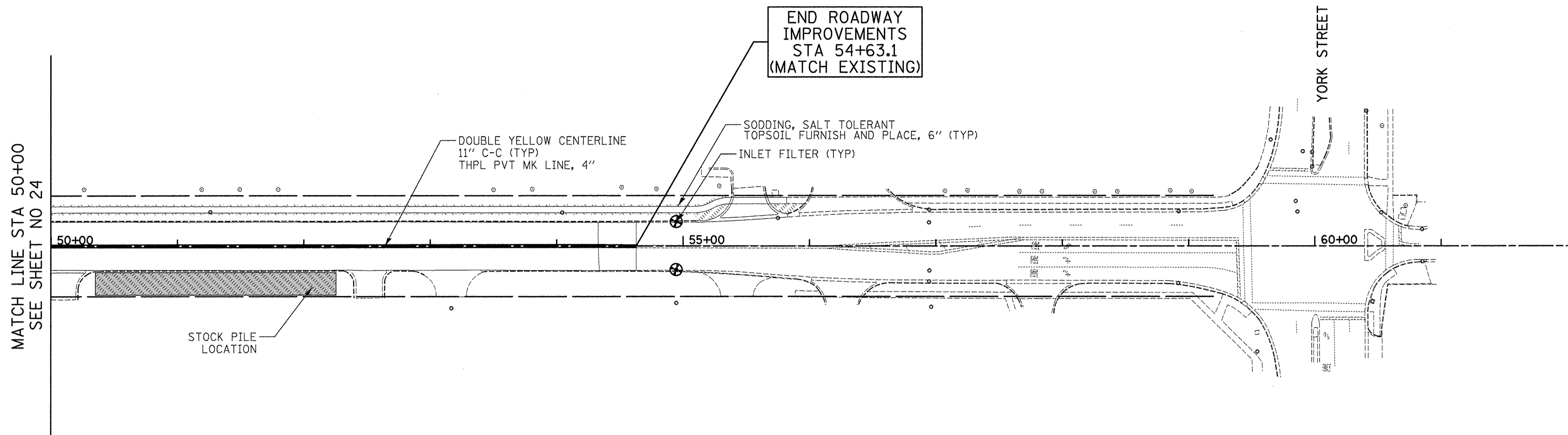
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	24
				CONTRACT NO. 61D49
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				





PLAN	SURVEYED	BY	DATE
NOTE BOOK	ALIGNED		
NO.	RT. OF WAY CHECKED		
	ROAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	S.M. NOTED		
	STRUCTURE NOTATIONS CHECKED		



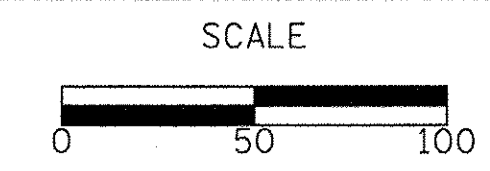
INDUSTRIAL DRIVE



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CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

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DEPARTMENT OF TRANSPORTATION



EROSION CONTROL, PAVEMENT MARKING  
AND SIGNING PLAN

SHEET NO. 3 OF 3 SHEETS STA. 50+00 TO STA. 54+63

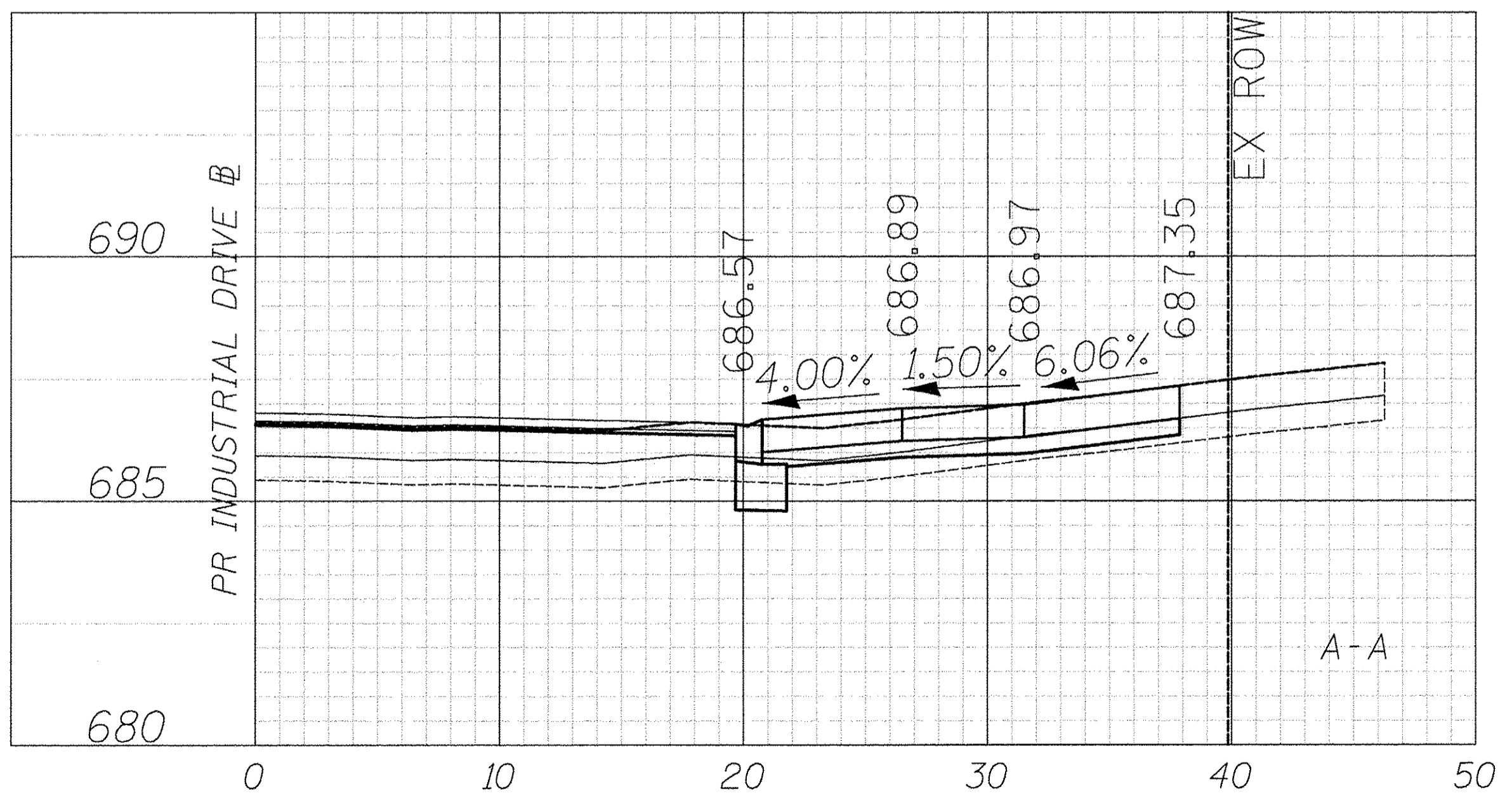
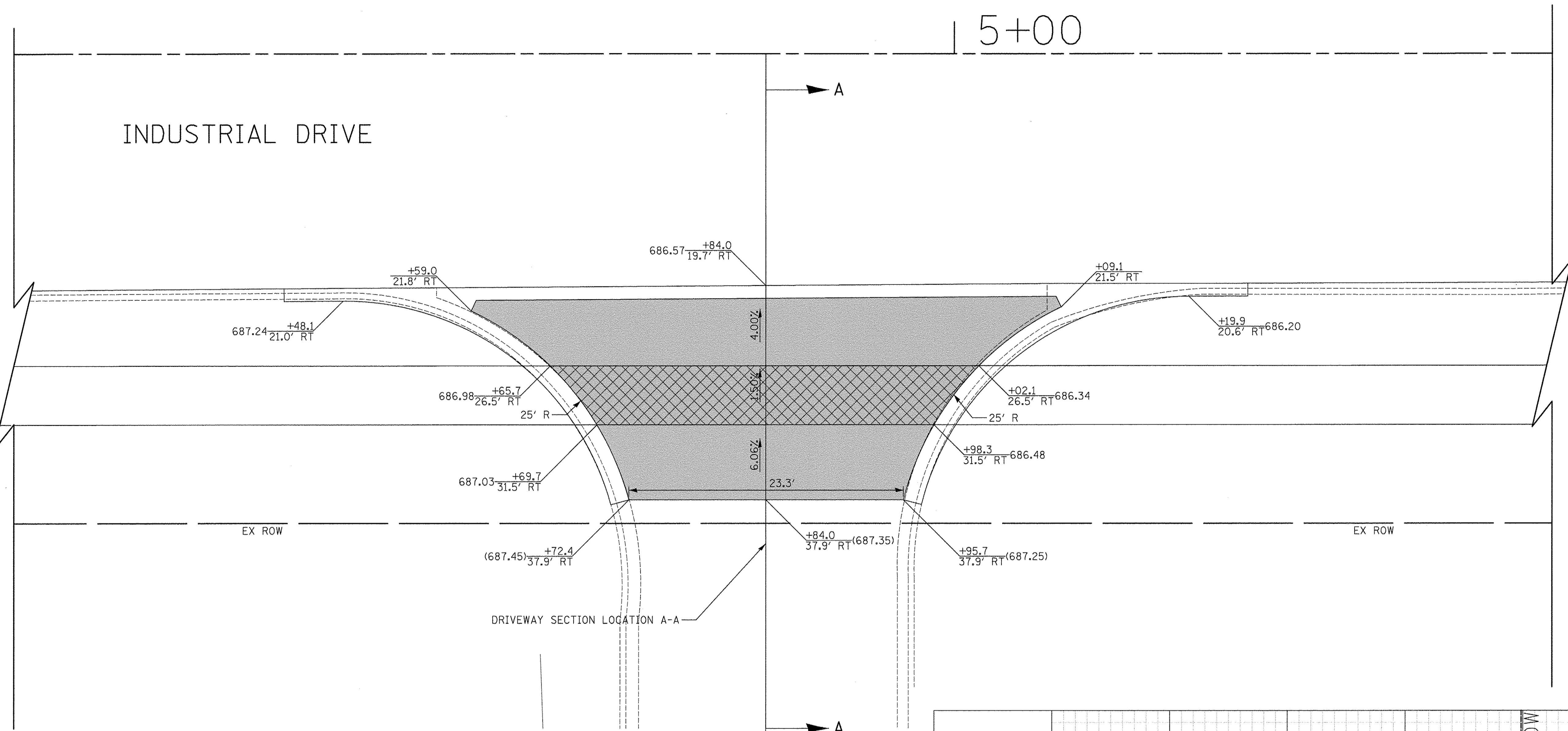
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	25
CONTRACT NO. 61D49				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. _____	



260 GRAND AVENUE  
PIN: 0326205014

**LEGEND**

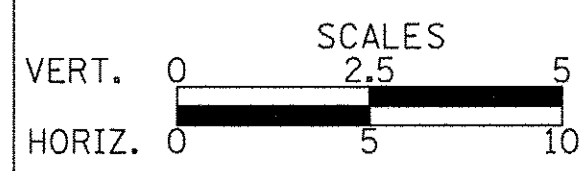
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



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DATE - 12/02/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 4 + 84.0**

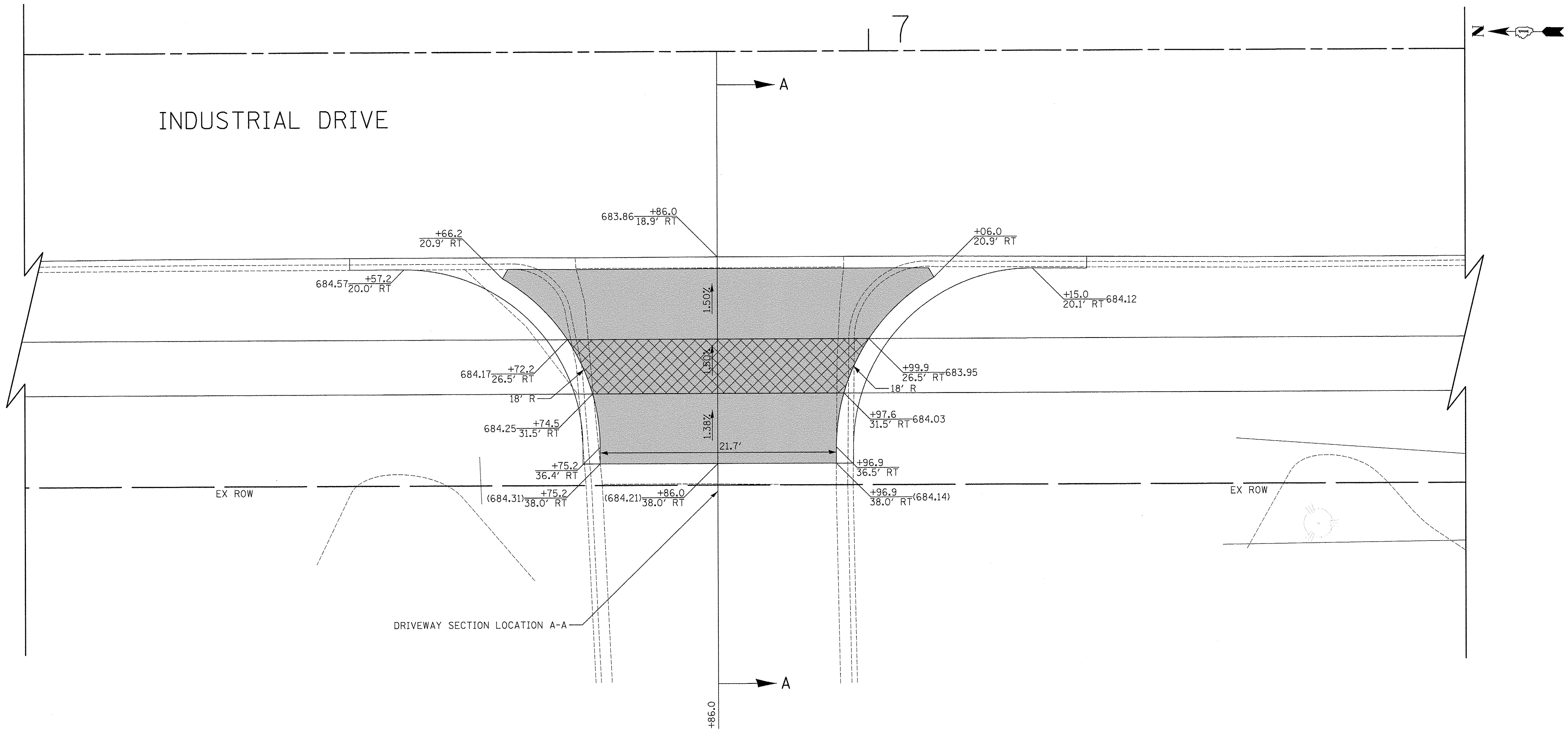
SHEET NO. 1 OF 28 SHEETS

F.A.U. RTE. 1084	SECTION 16-00186-00-RP	COUNTY DUPAGE	TOTAL SHEETS 78	SHEET NO. 26
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				




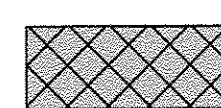
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NOTE BOOK NO.	
CADD FILE NAME	

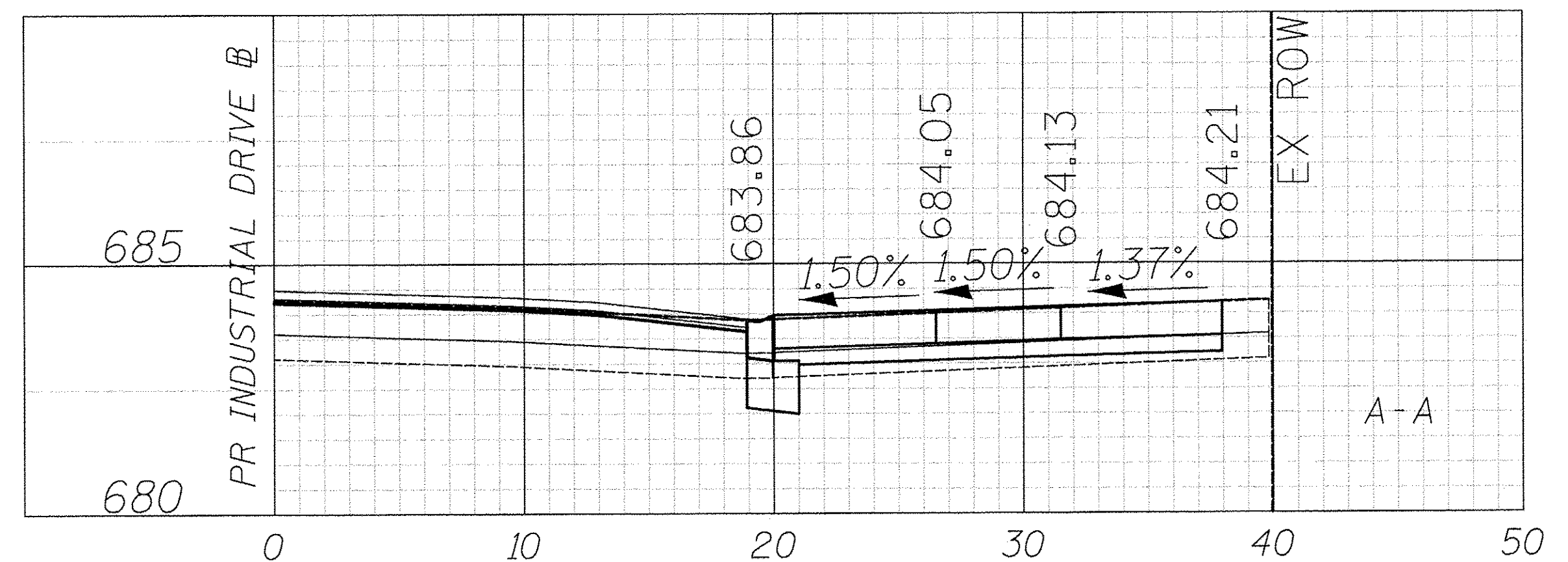
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BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	



960 INDUSTRIAL DRIVE  
PIN: 0326205005

**LEGEND**

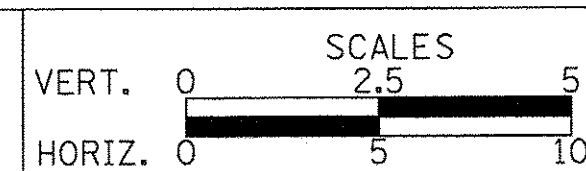
-  PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH  
AGGREGATE BASE COURSE, TYPE B 4"
-  PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH  
AGGREGATE BASE COURSE, TYPE B 4" MIN.



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CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

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DEPARTMENT OF TRANSPORTATION**



**DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 6 + 86.0**

SHEET NO. 2 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	27
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



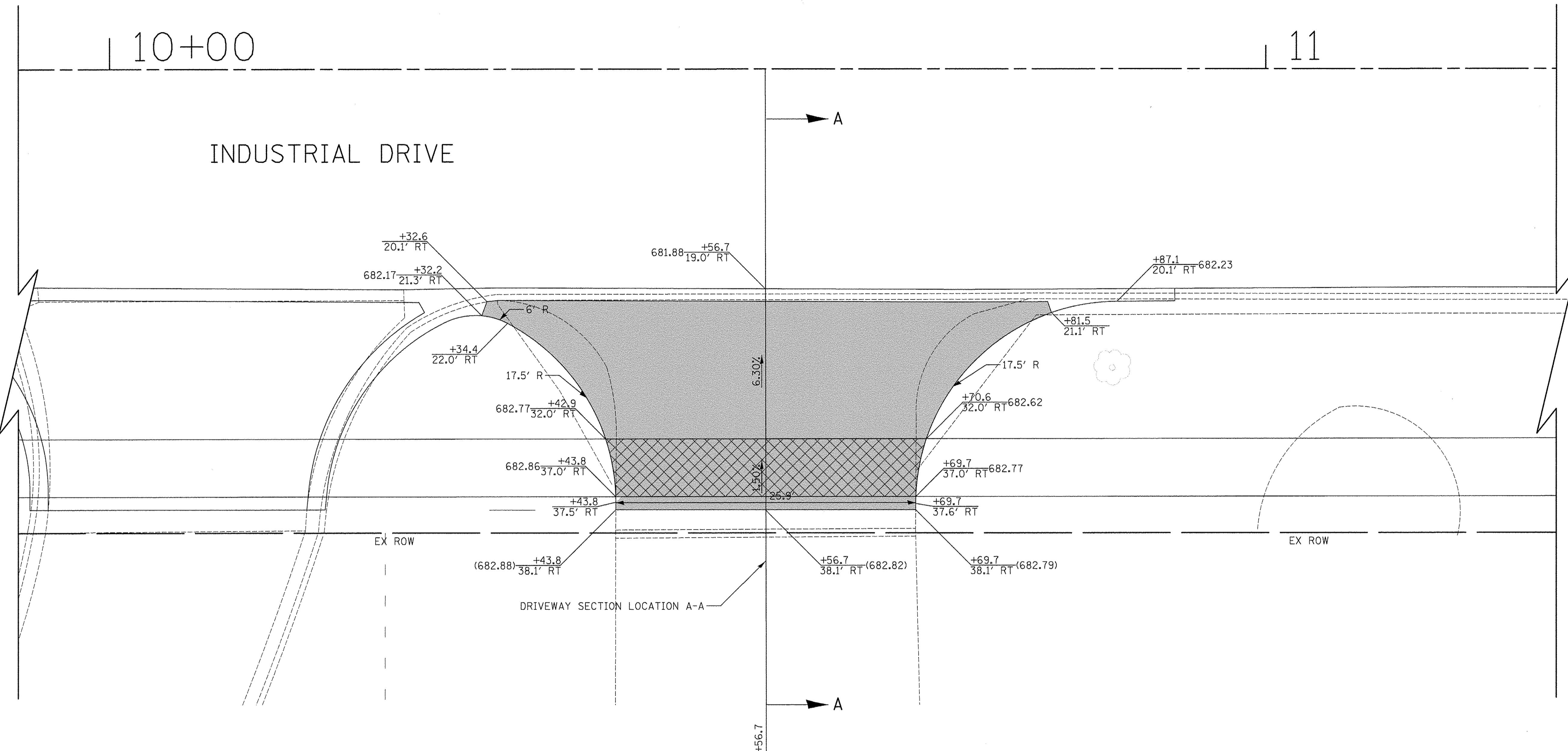






PLAN	SURVEYED	DATE
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	CHECKED	
	BY	
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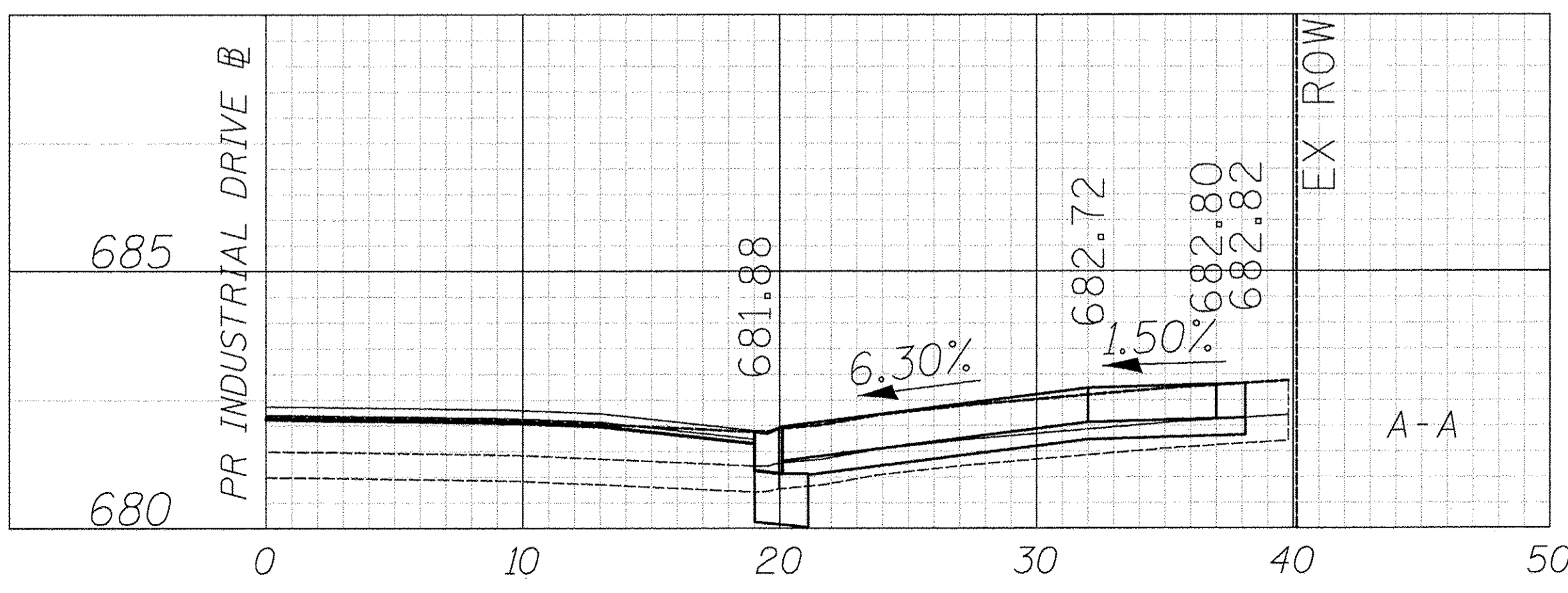
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	GRADES	
	CHECKED	
	BY	
	NO.	



940 INDUSTRIAL DRIVE  
PIN: 0326205006

**LEGEND**

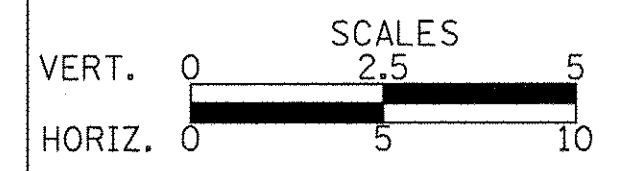
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 10 + 56.7**

SHEET NO. 4 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	29
CONTRACT NO. 61D49				

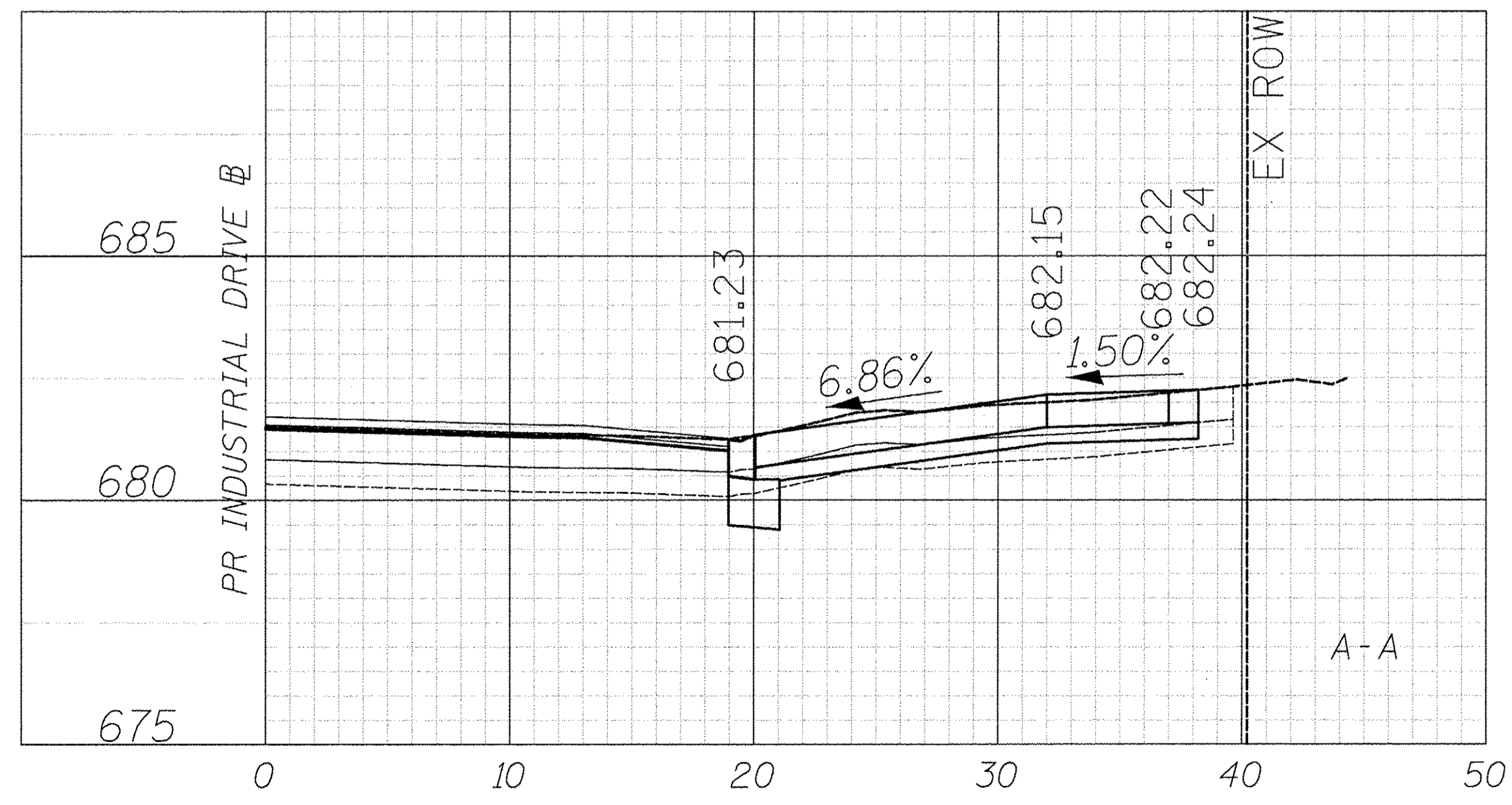
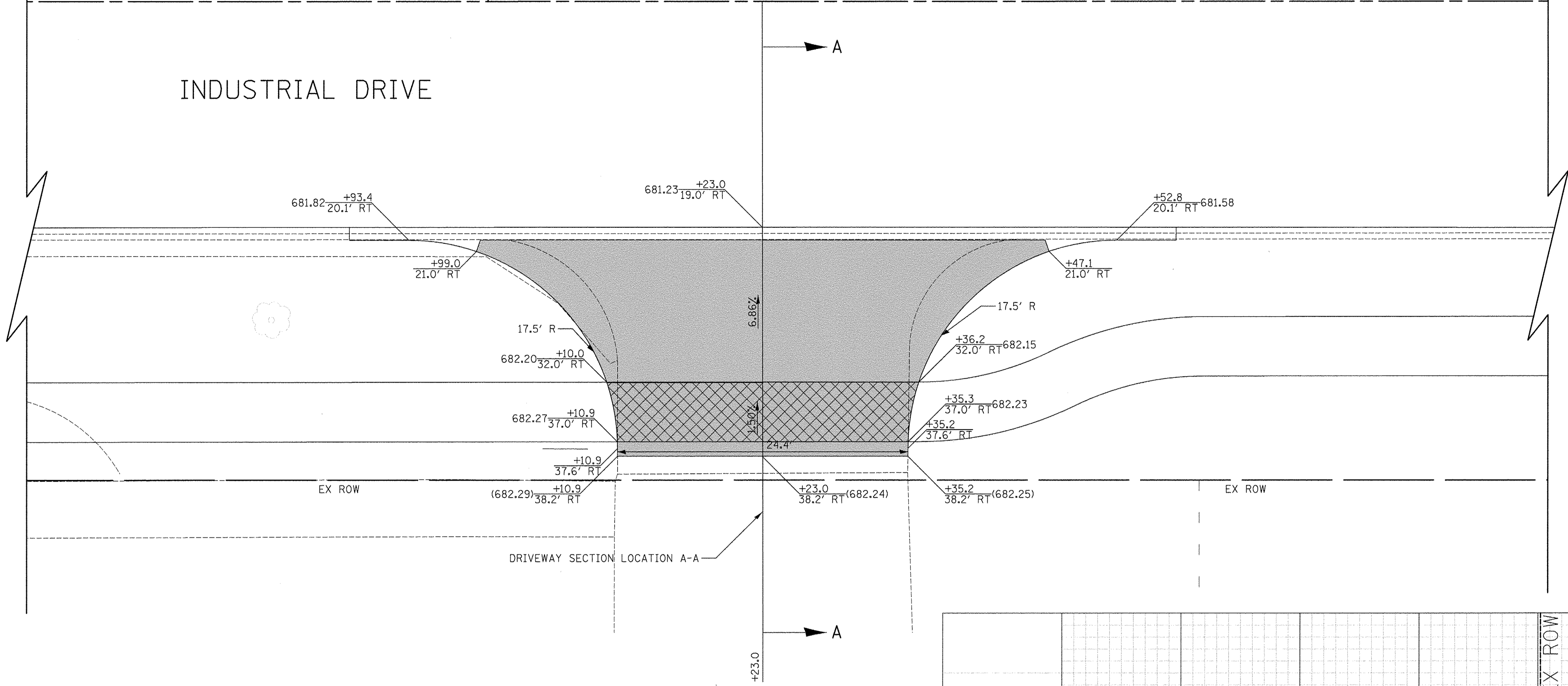
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT





12

INDUSTRIAL DRIVE



940 INDUSTRIAL DRIVE  
PIN: 0326205006

LEGEND

- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNMENT CHECKED	
NO.	BY	
	DATE	

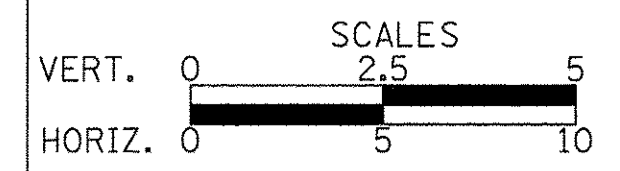
PROFILE	DESIGNED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	BY	
	DATE	



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DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 12 + 23.0

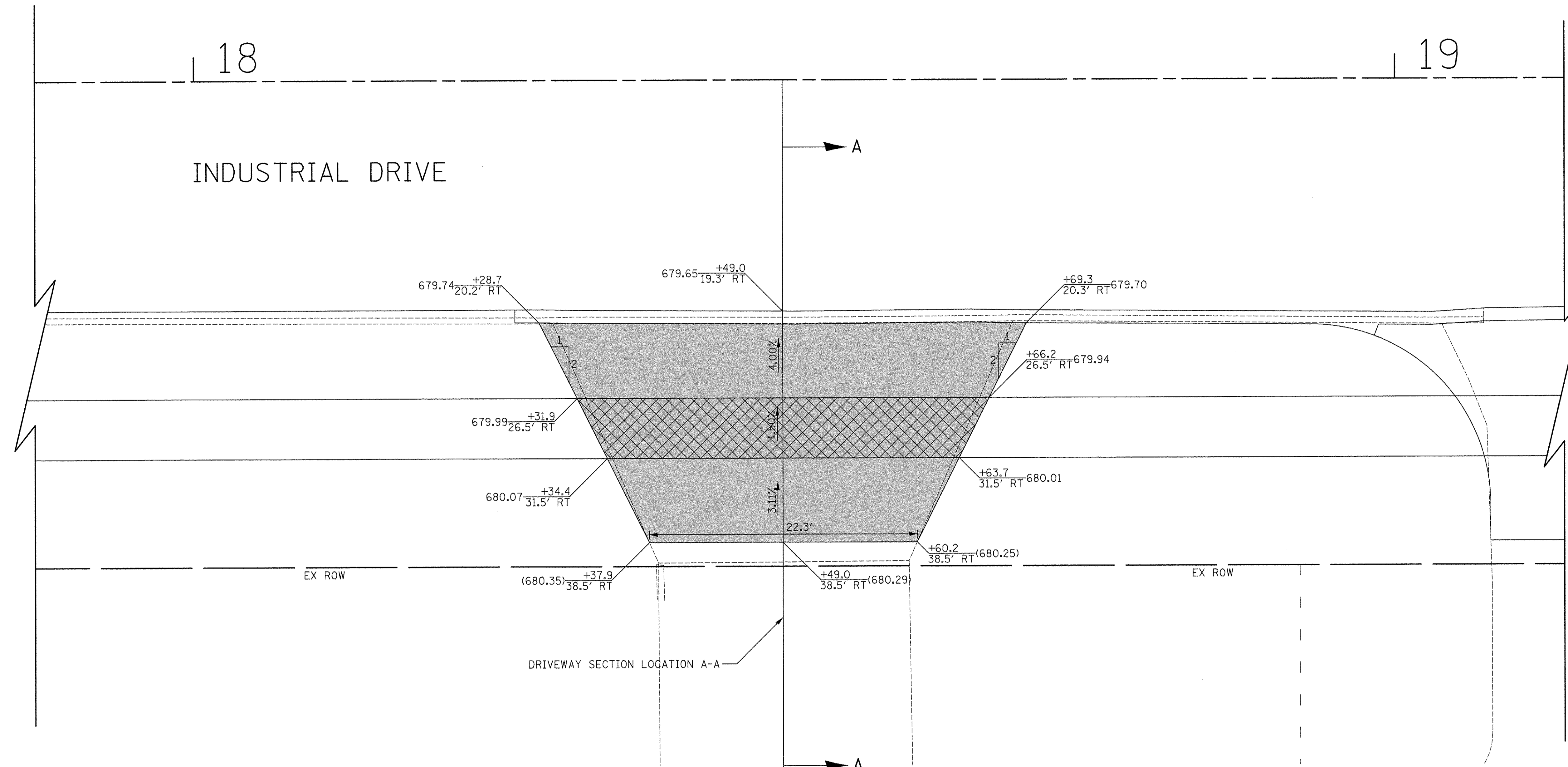
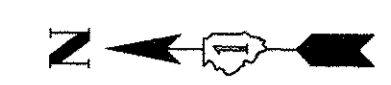
SHEET NO. 5 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	30
				CONTRACT NO. 61D49
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				





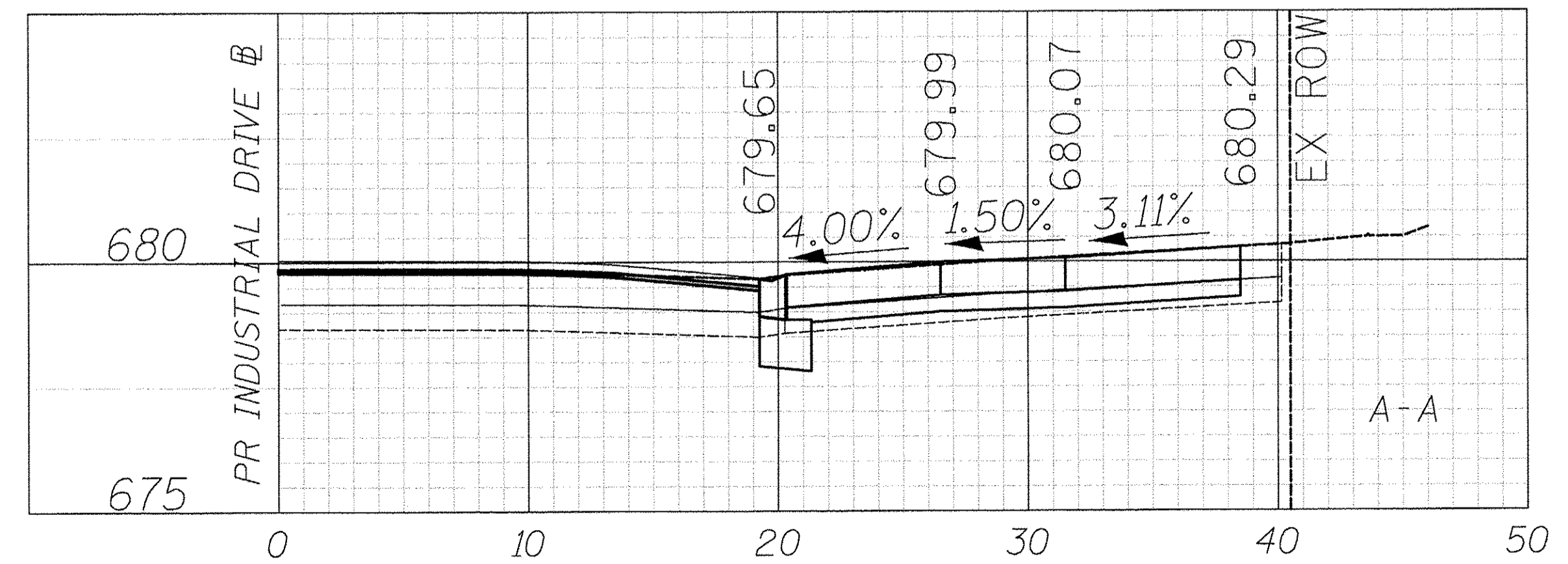




888 INDUSTRIAL DRIVE  
PIN: 0326400003

LEGEND

- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH  
AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH  
AGGREGATE BASE COURSE, TYPE B 4" MIN.



DATE	
BY	
PLANNED	
DESIGNED	
CHECKED	
NOTED	
DATE	

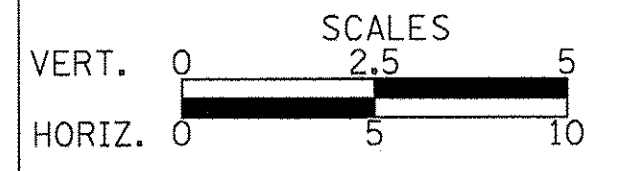
DATE	
BY	
PLANNED	
DESIGNED	
CHECKED	
NOTED	
DATE	



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DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

STATE OF ILLINOIS  
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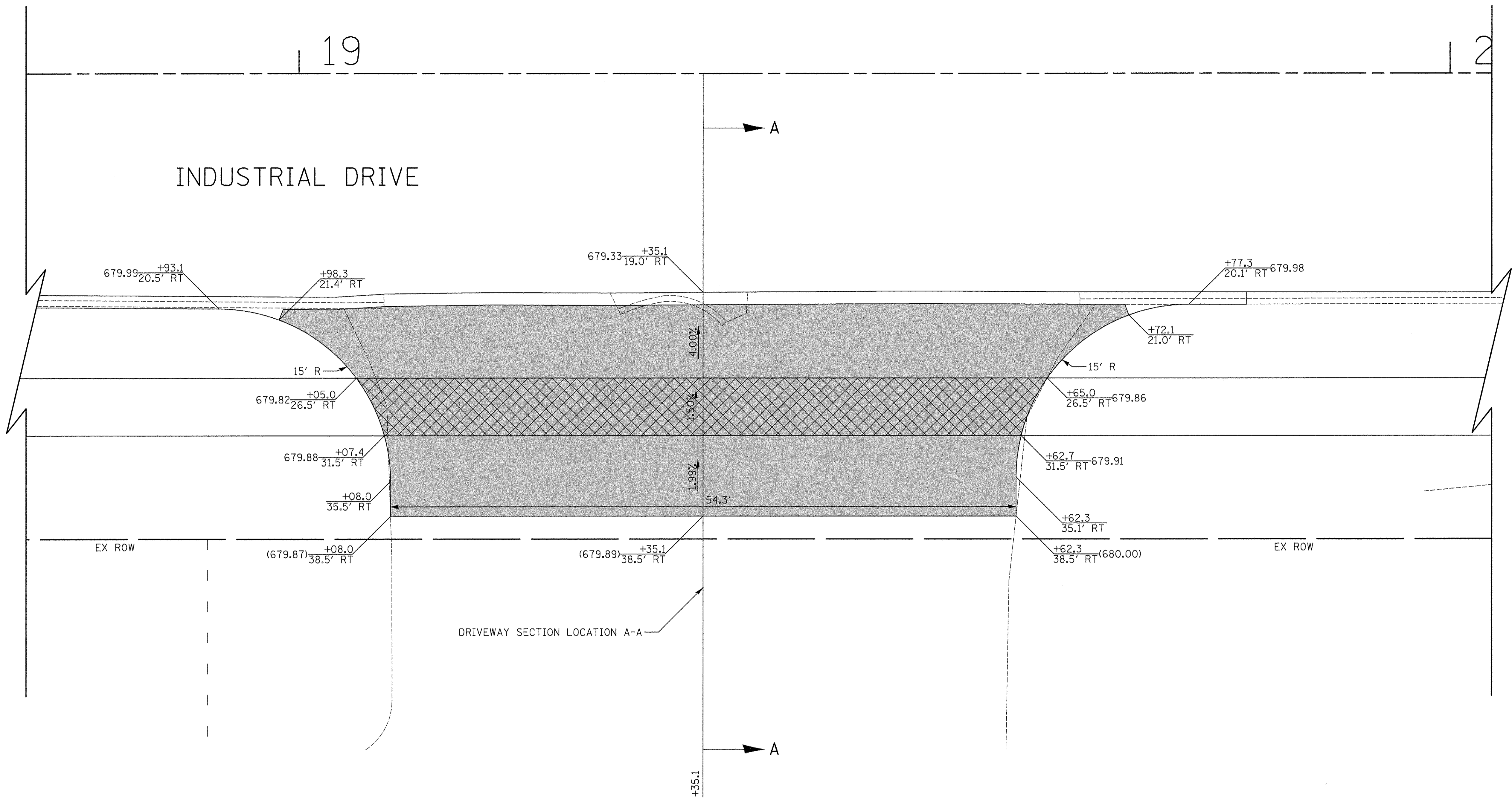


DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 18 + 49.0

SHEET NO. 7 OF 28 SHEETS

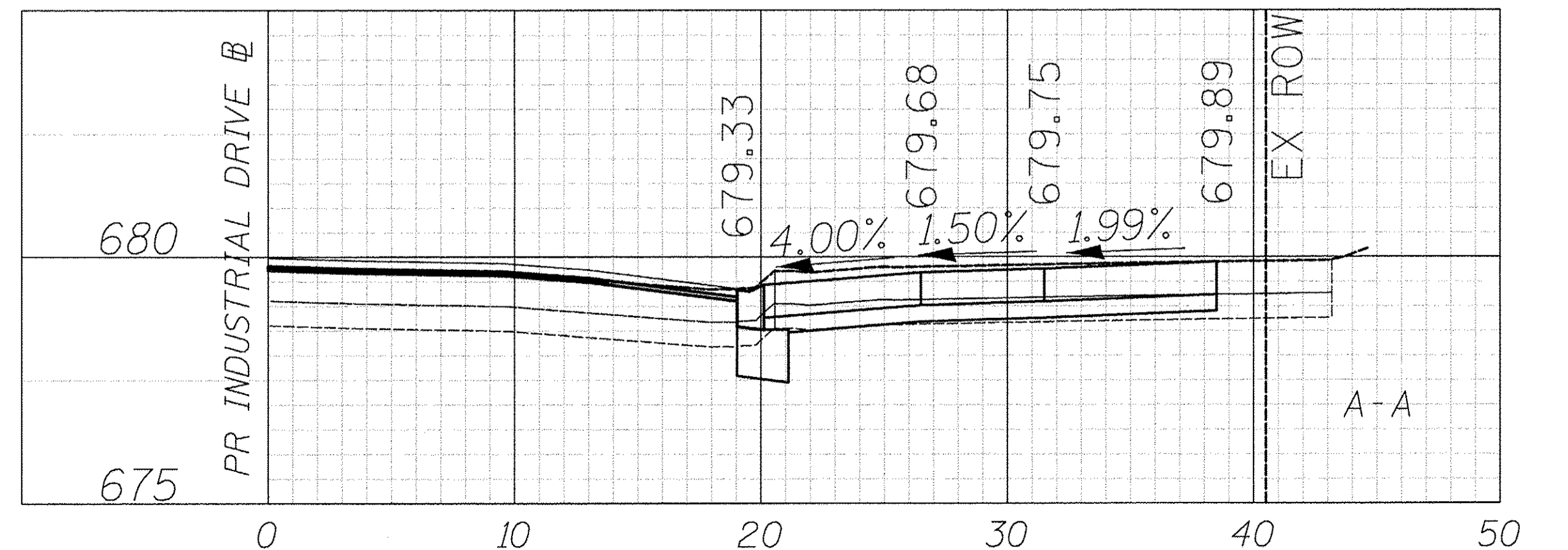
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1084	16-00186-00-RP	DUPAGE	78	32
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				





LEGEND

- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



PLAN	DATE
SURVEYED	
PLOTTED	
CHECKED	
NO. _____	

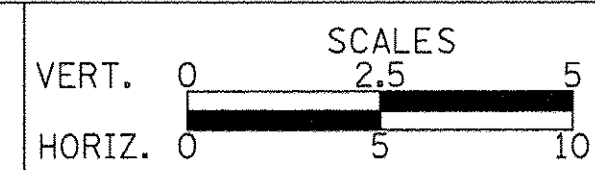
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DATE - 12/02/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 19 + 35.1

SHEET NO. 8 OF 28 SHEETS

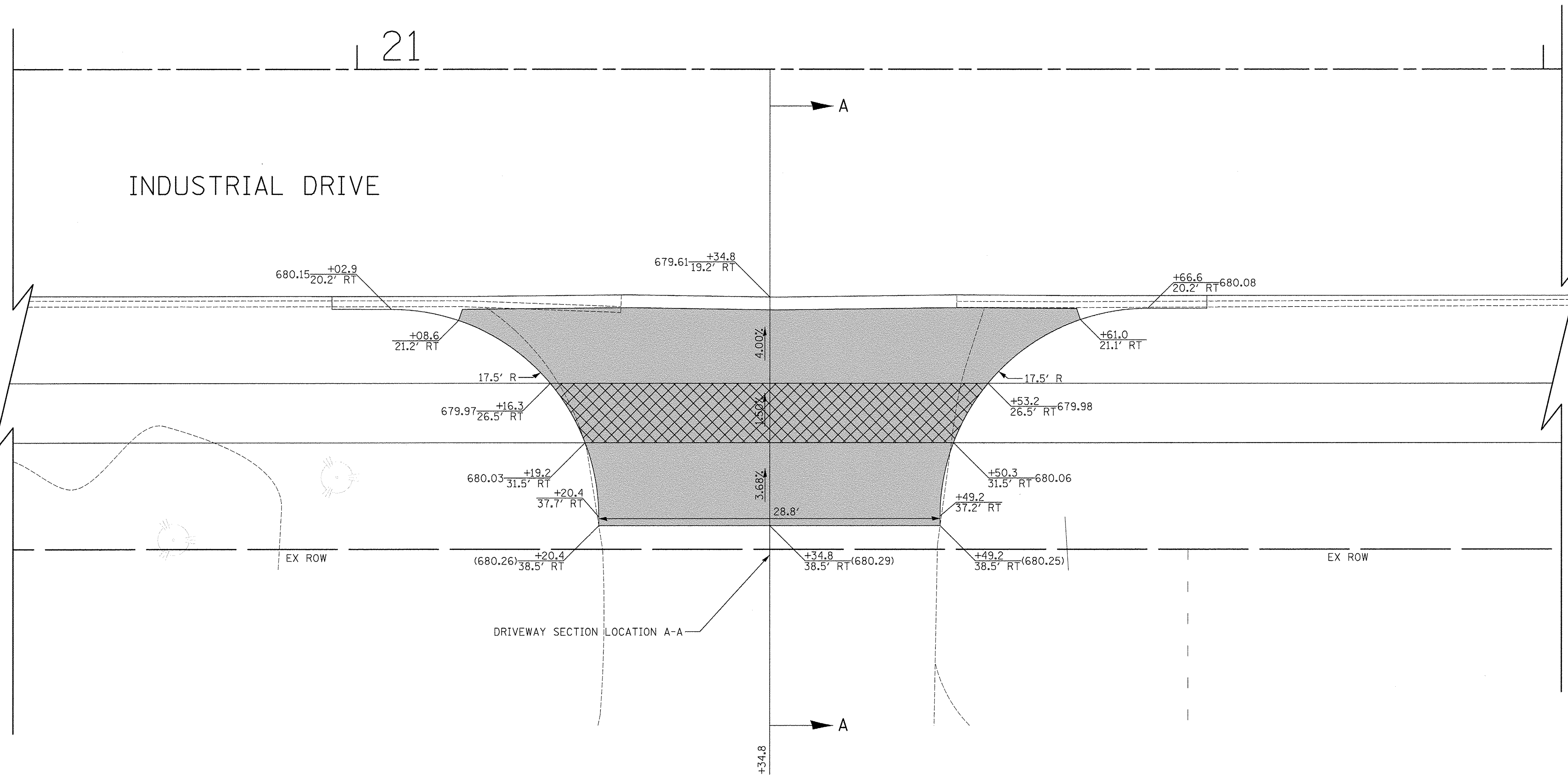
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1084	16-00186-00-RP	DUPAGE	78	33
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

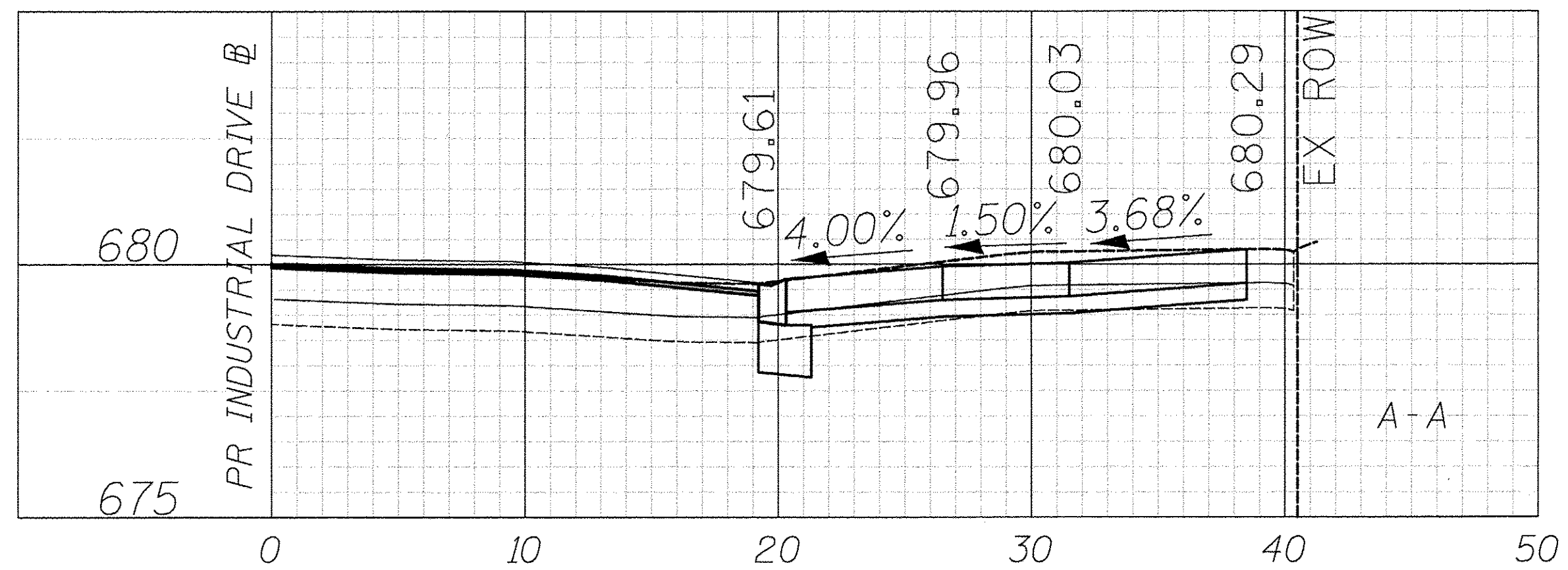
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



862 INDUSTRIAL DRIVE  
PIN: 0326400004

**LEGEND**

- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



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DRAWN -	TGB	REVISED -
CHECKED -	RTM	REVISED -
DATE -	12/02/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

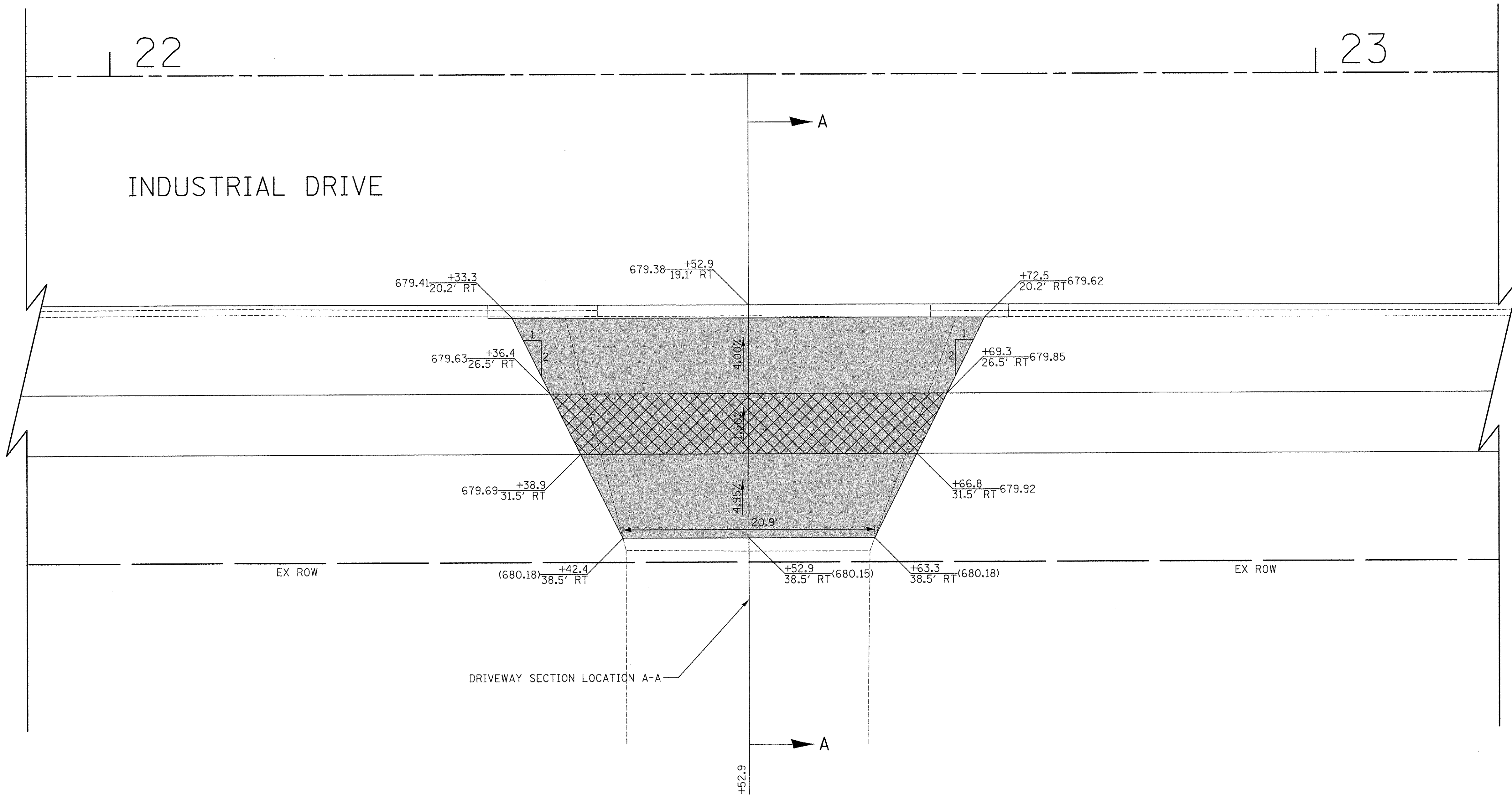
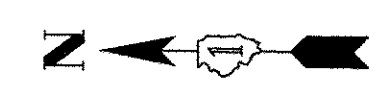
VERT.	0	SCALE	2.5	5
HORIZ.	0		5	10

**DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 21 + 34.8**

SHEET NO. 9 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	34
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			CONTRACT NO. 61D49	

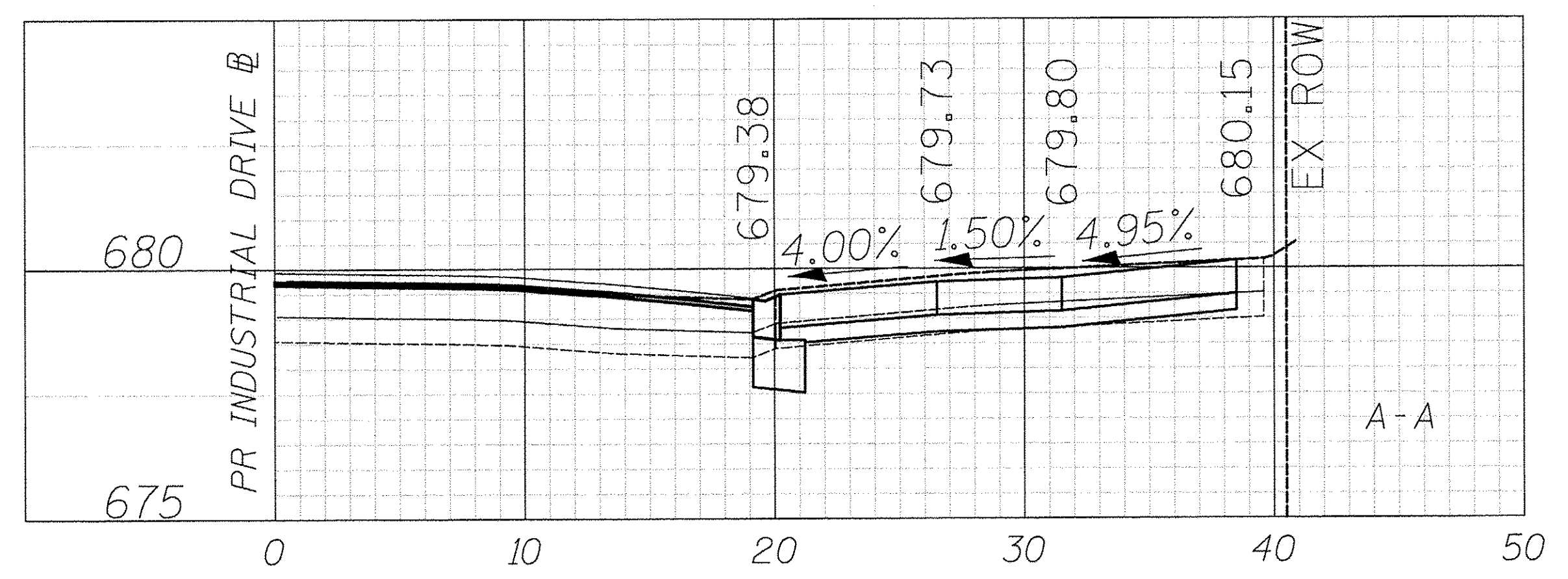




832 INDUSTRIAL DRIVE  
PIN: 0326400005

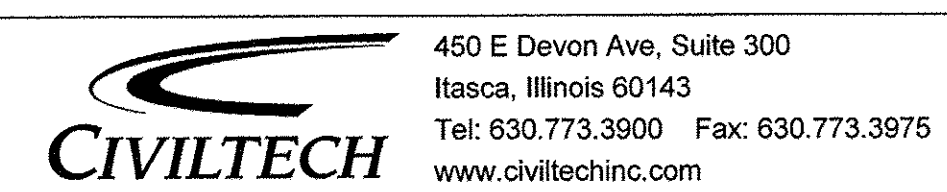
**LEGEND**

- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



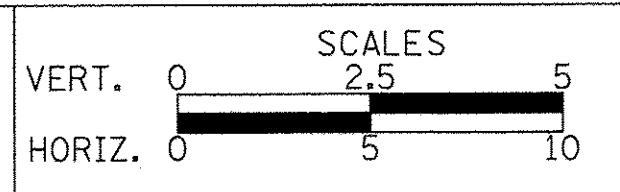
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PLANNED	
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NO. OF CHANGES	
NO. OF DELETIONS	
NO. OF ADDITIONS	
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NO. OF CORRECTIONS	
NO. OF IMPROVEMENTS	
NO. OF ENHANCEMENTS	
NO. OF UPDATES	

DATE	
BY	
PLANNED	
DESIGNED	
DRAWN	
CHECKED	
IN CHARGE	
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NO. OF PAGES	
NO. OF FIGURES	
NO. OF TABLES	
NO. OF NOTES	
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NO. OF COMMENTS	
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NO. OF CORRECTIONS	
NO. OF IMPROVEMENTS	
NO. OF ENHANCEMENTS	
NO. OF UPDATES	



DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

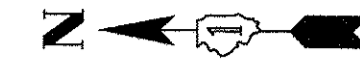


**DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 22 + 52.9**

SHEET NO. 10 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

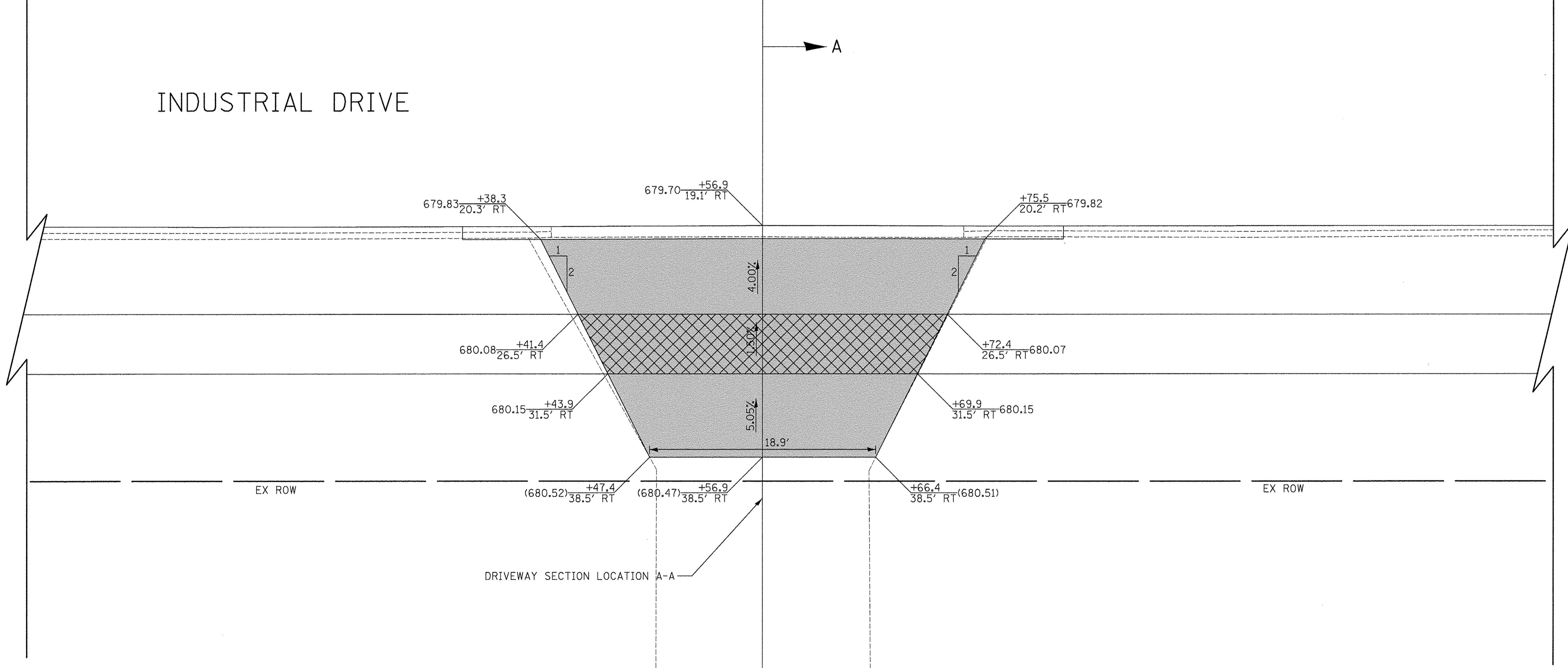




23

24

INDUSTRIAL DRIVE



EX ROW

EX ROW

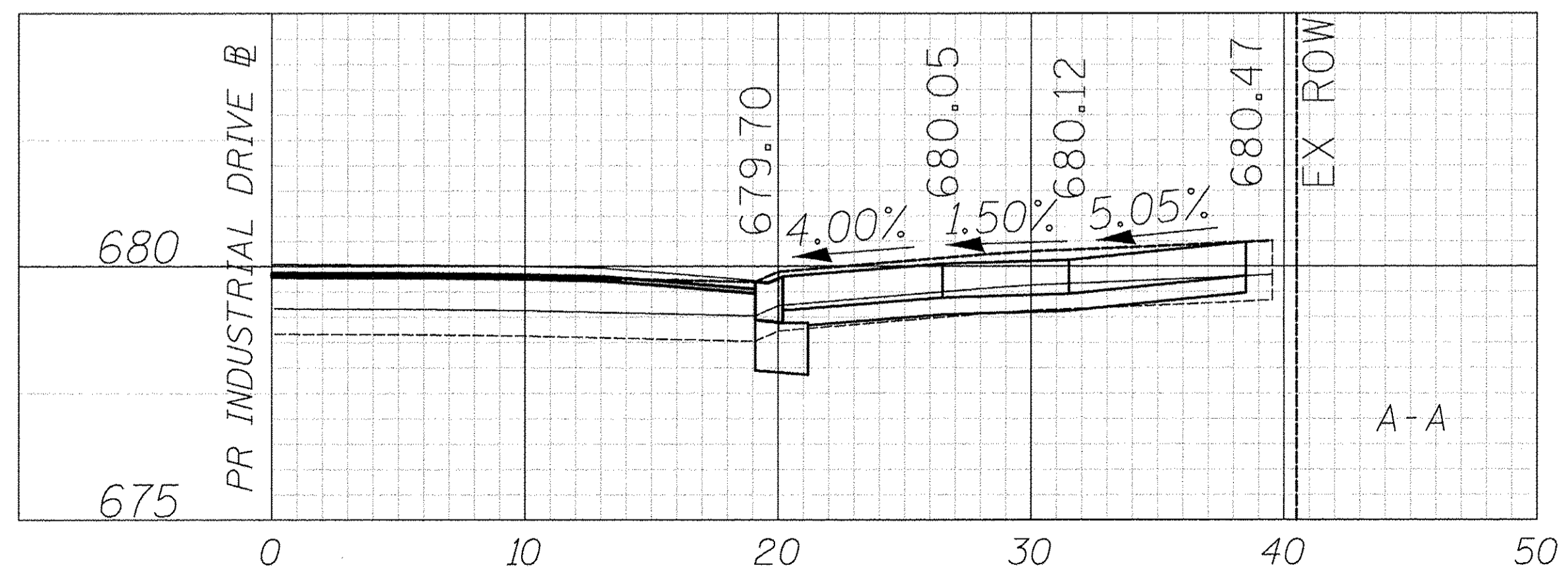
DRIVEWAY SECTION LOCATION A-A

+56.9

832 INDUSTRIAL DRIVE  
PIN: 0326400005

LEGEND

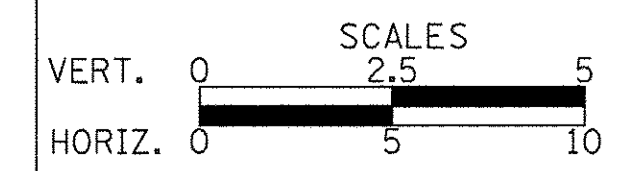
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



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CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

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DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 23 + 56.9

SHEET NO. 11 OF 28 SHEETS

F.A.U. RTE. 1084	SECTION 16-00186-00-RP	COUNTY DUPAGE	TOTAL SHEETS 78	SHEET NO. 36
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	ALIGNED	
	NOTED	
	RT. OF WAY CHECKED	
	NO. OF WAY CHECKED	
	ADD. FILE NAME	

PROFILE	SURVEYED	DATE
	ALIGNED	
	NOTED	
	B.M. NOTED	
	STRUCTURE NOTATIONS CHKD	



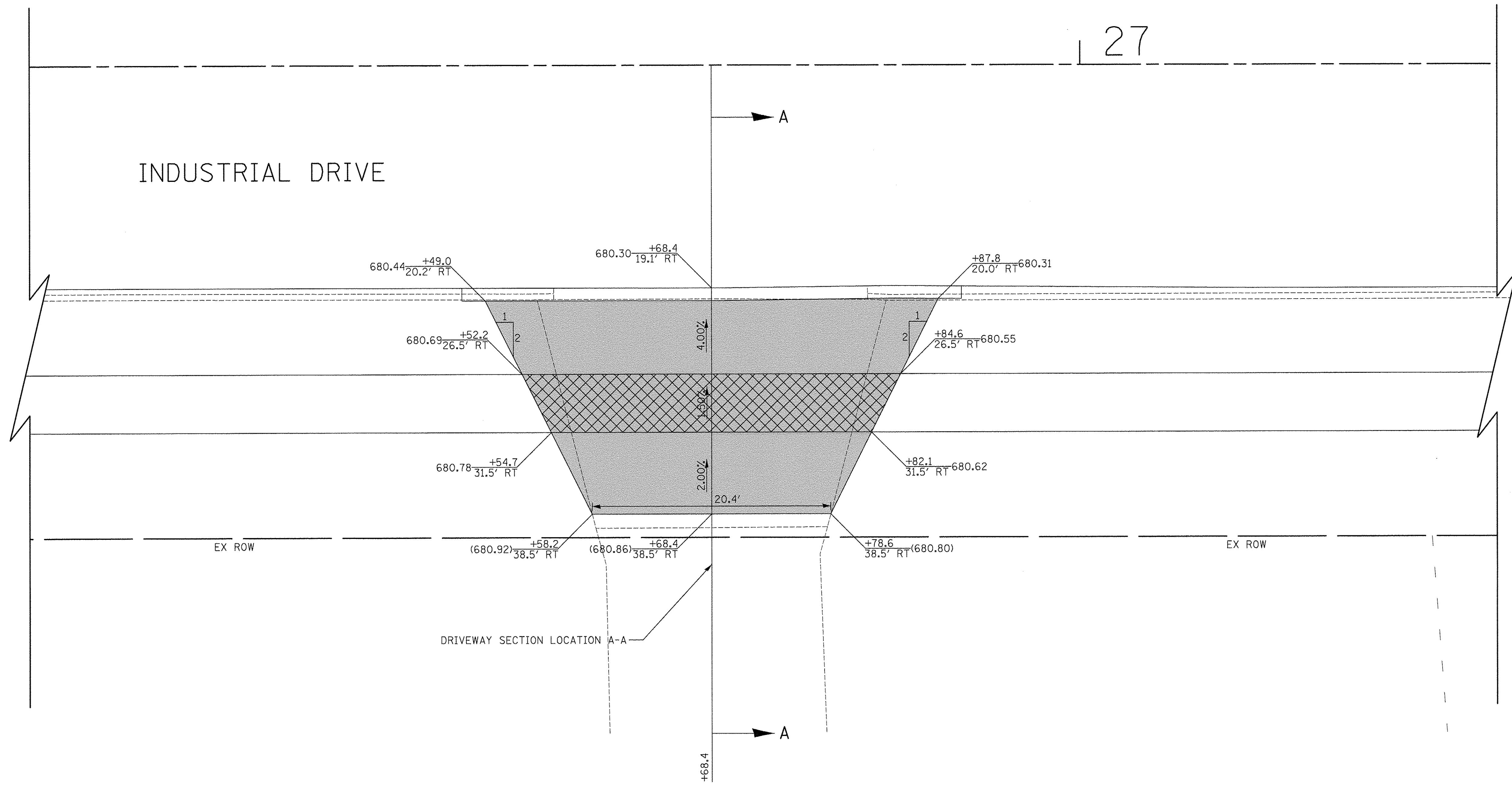






27

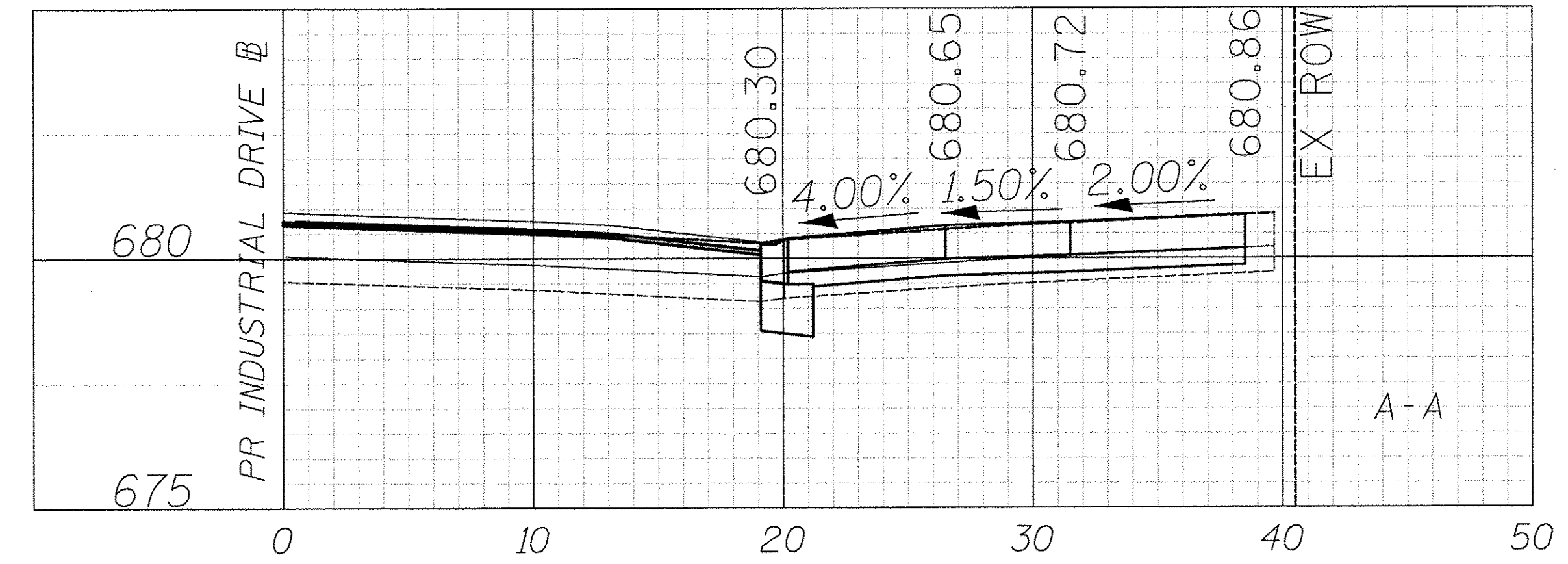
INDUSTRIAL DRIVE



832 INDUSTRIAL DRIVE  
PIN: 0326400005

LEGEND

- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH  
AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH  
AGGREGATE BASE COURSE, TYPE B 4" MIN.



PLAN	DATE
NO.	BY
NO.	BY
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE

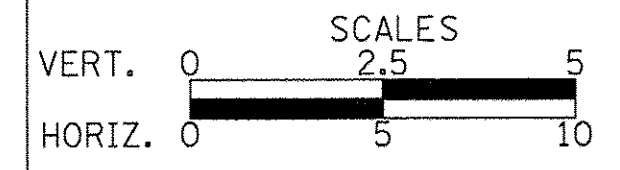
PROFILE	DATE
NO.	BY
NO.	BY
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE
NO.	DATE



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DRAWN -	TGB	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	12/02/2016	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 26 + 68.4

SHEET NO. 13 OF 28 SHEETS

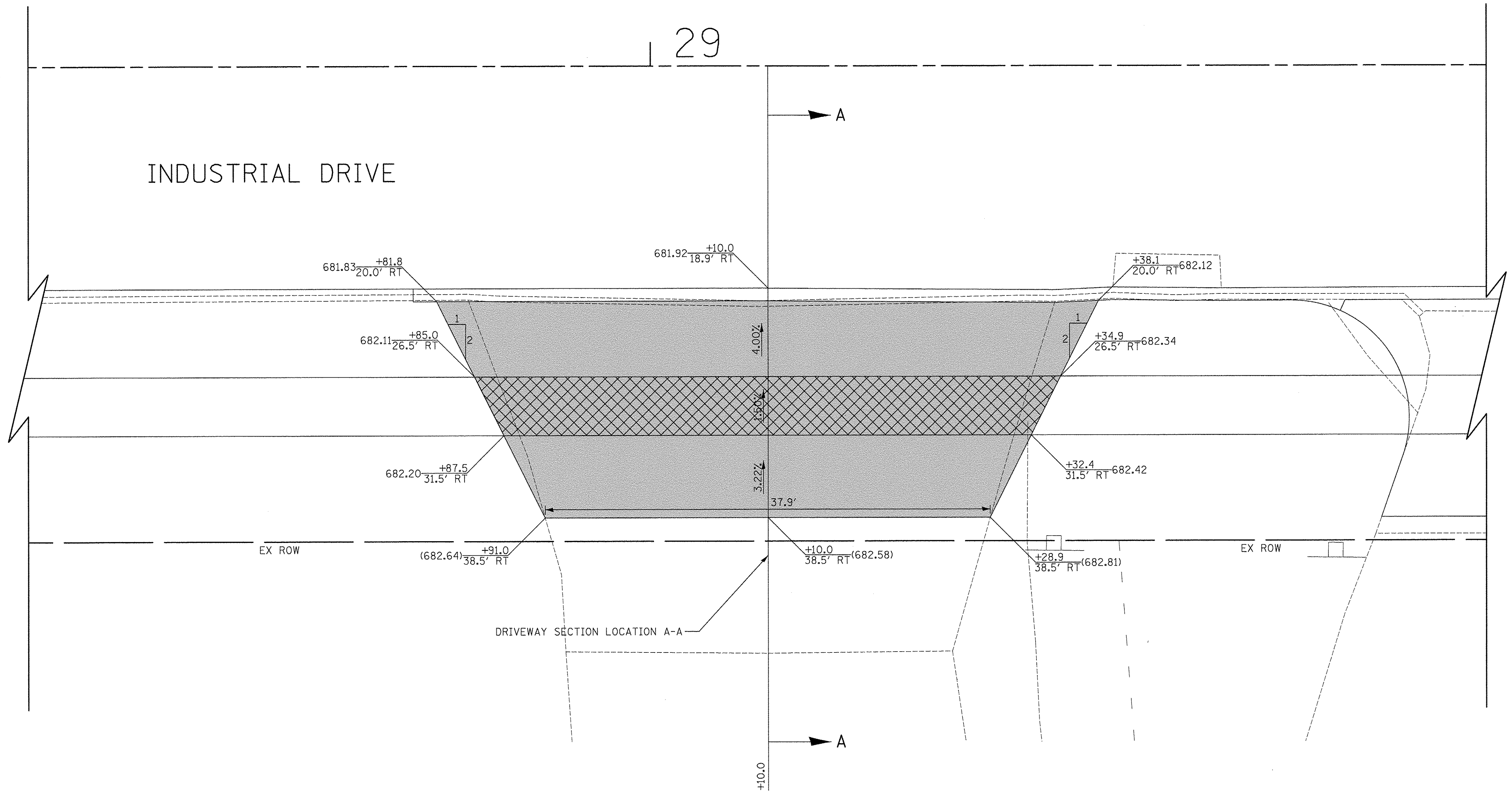
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	38
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				





29

INDUSTRIAL DRIVE

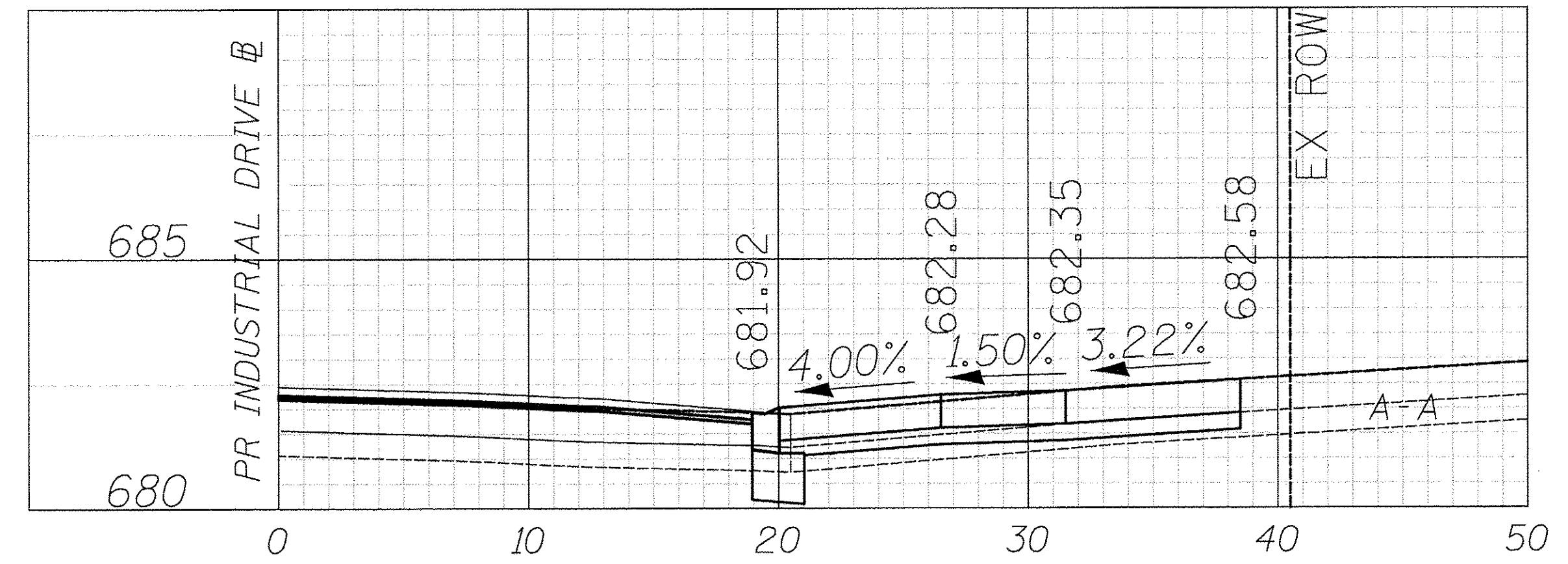


DRIVEWAY SECTION LOCATION A-A

OWNED BY COMED  
PIN: 0326406001

LEGEND

- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	RECHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	



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DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

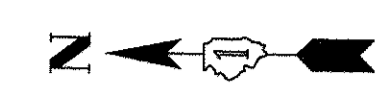
VERT.	0	2.5	5
HORIZ.	0	5	10

DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 29 + 10.0

SHEET NO. 14 OF 28 SHEETS

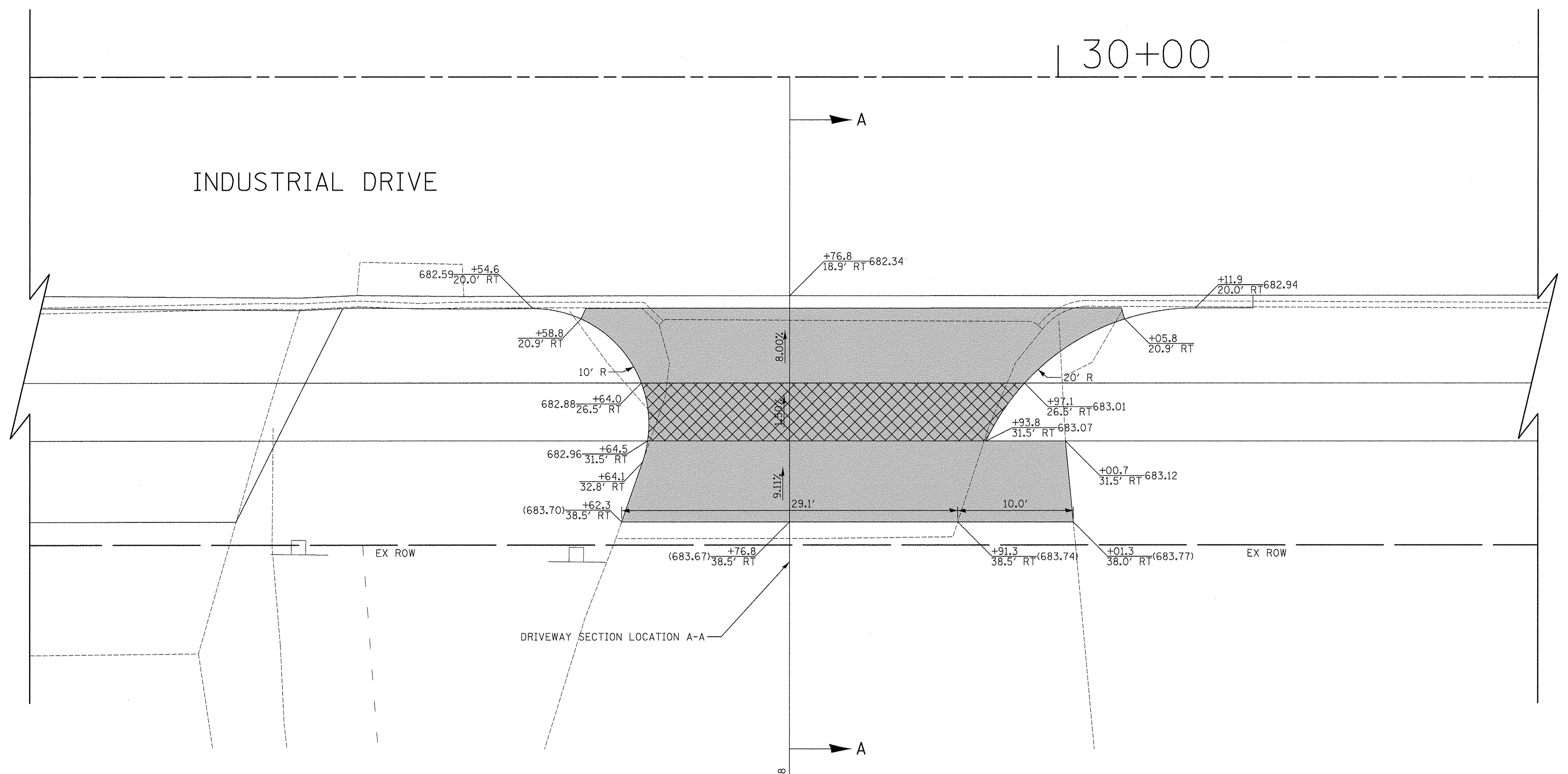
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	39
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





30+00

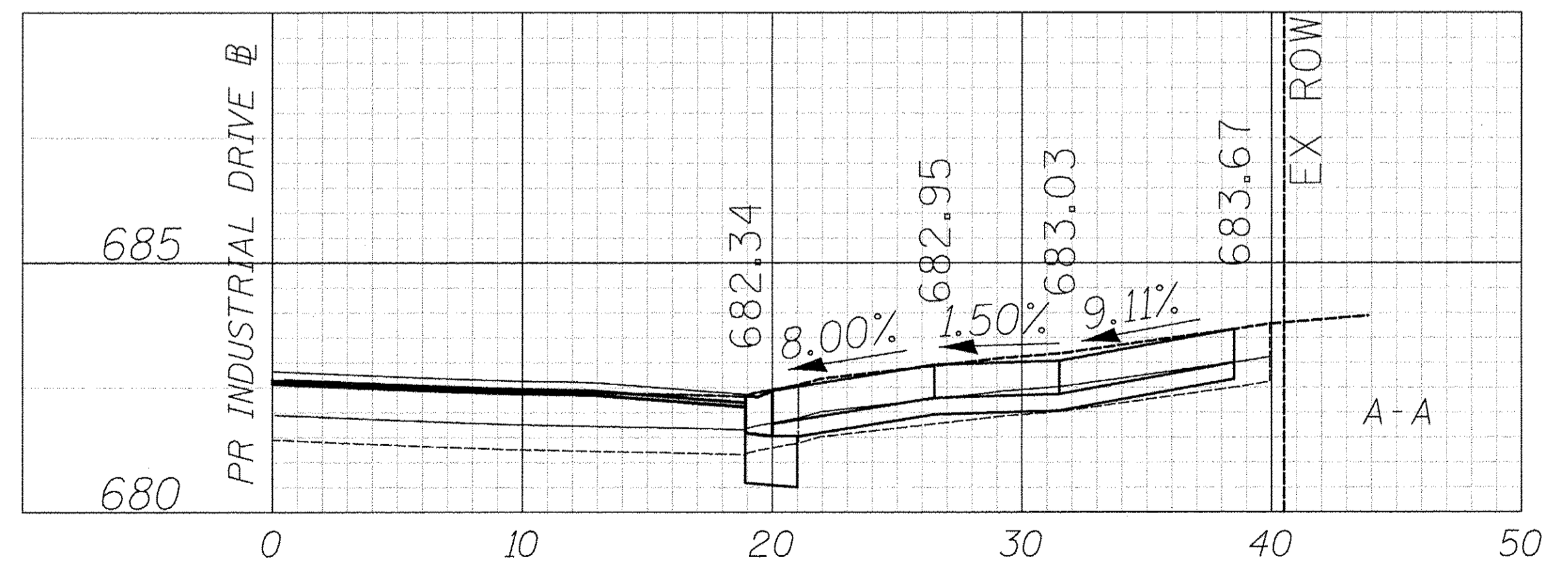
INDUSTRIAL DRIVE



782 INDUSTRIAL DRIVE  
PIN: 0326400006

LEGEND

- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

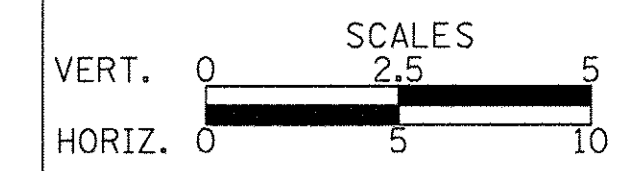
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



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CHECKED -	RTM	REVISED -
DATE -	12/02/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

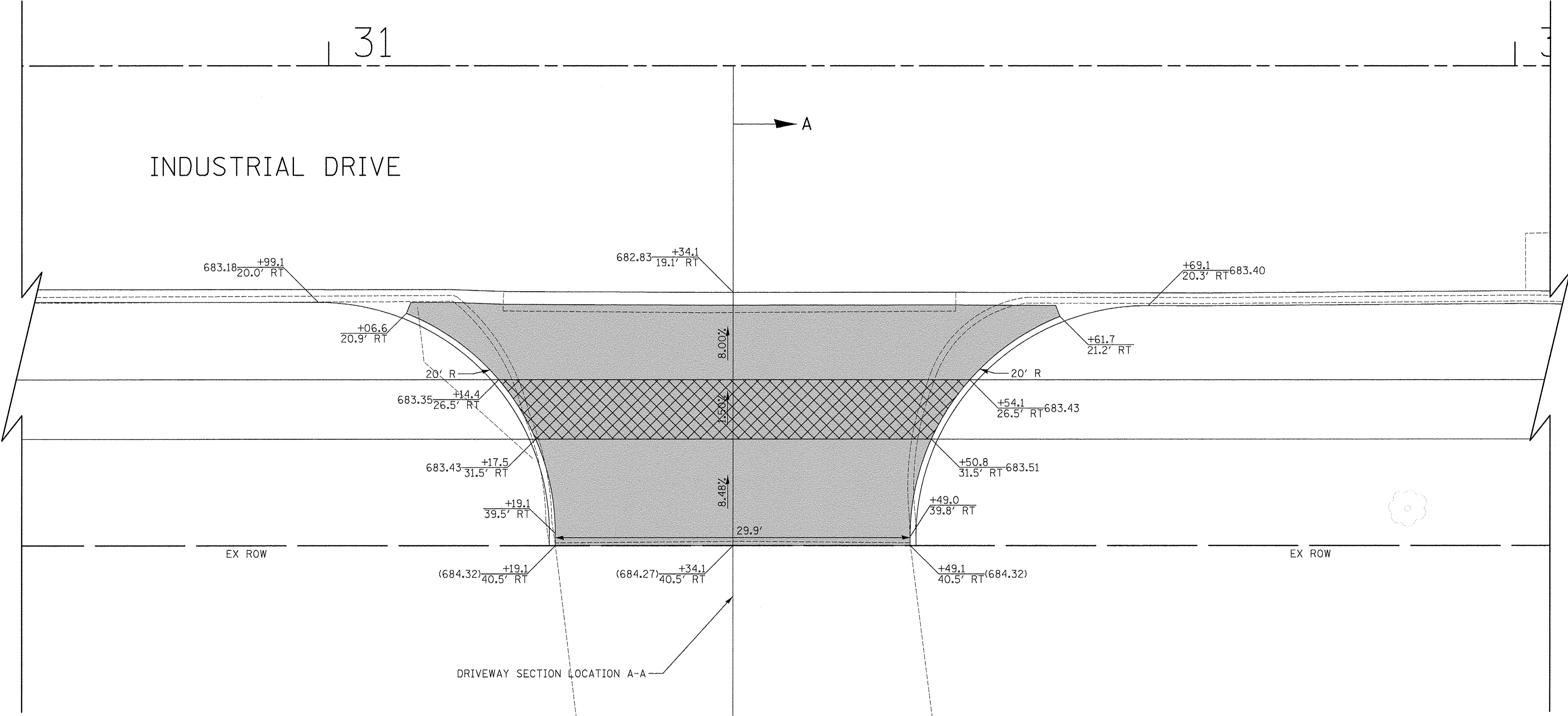
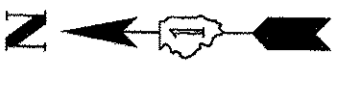


DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 29 + 76.8

SHEET NO. 15 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	40
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D49	

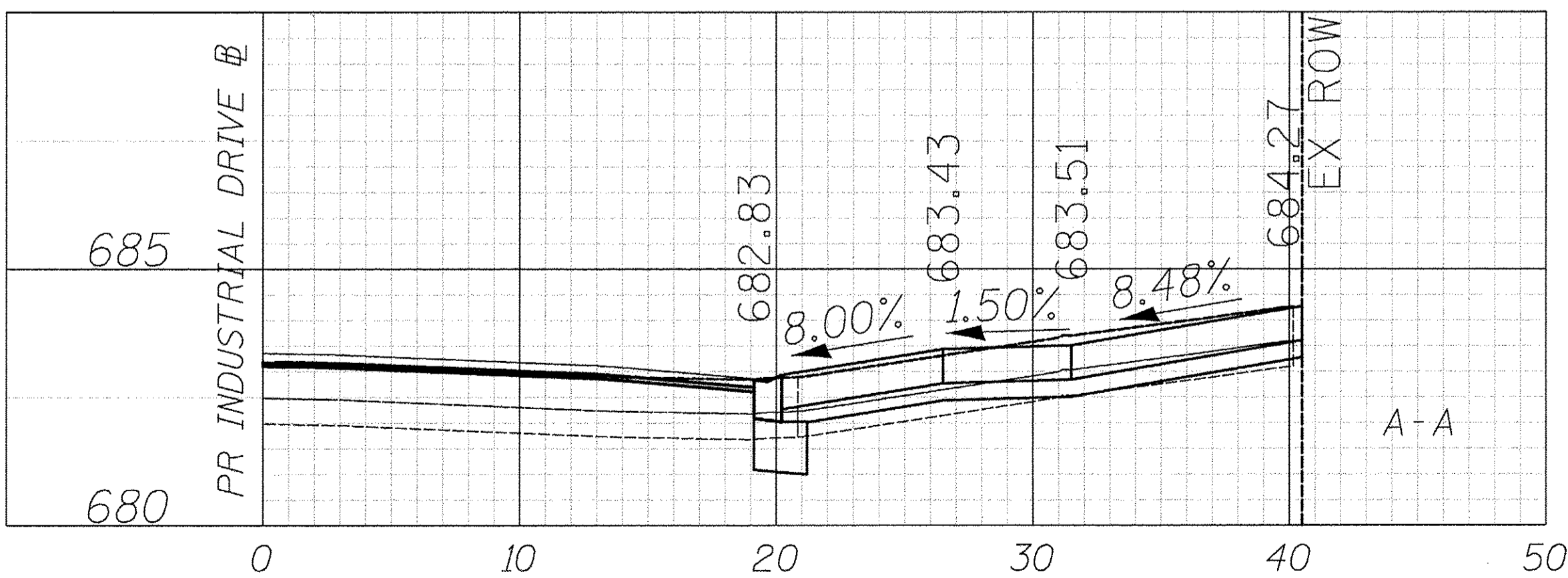




782 INDUSTRIAL DRIVE  
PIN: 0326400006

**LEGEND**

- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



PLAN	NO.	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
NOTE BOOK		
CADD FILE NAME		

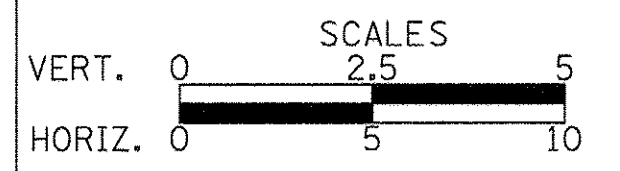
PROFILE	NO.	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
STRUCTURE NOTATIONS CHKD		



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CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 31 + 34.1**

SHEET NO. 16 OF 28 SHEETS

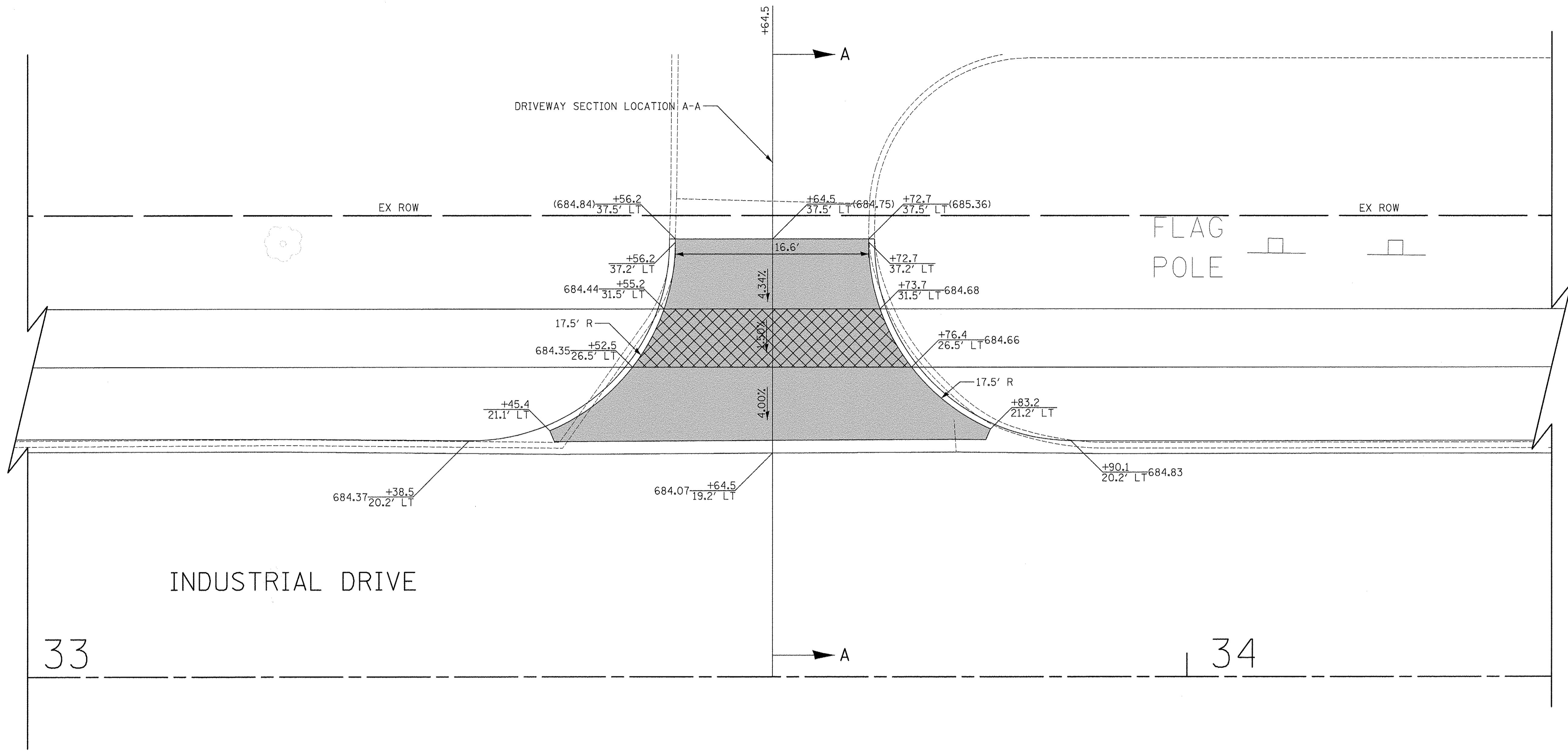
F.A.U. RTE. 1084	SECTION 16-00186-00-RP	COUNTY DUPAGE	TOTAL SHEETS 78	SHEET NO. 41
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

CONTRACT NO. 61D49
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PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

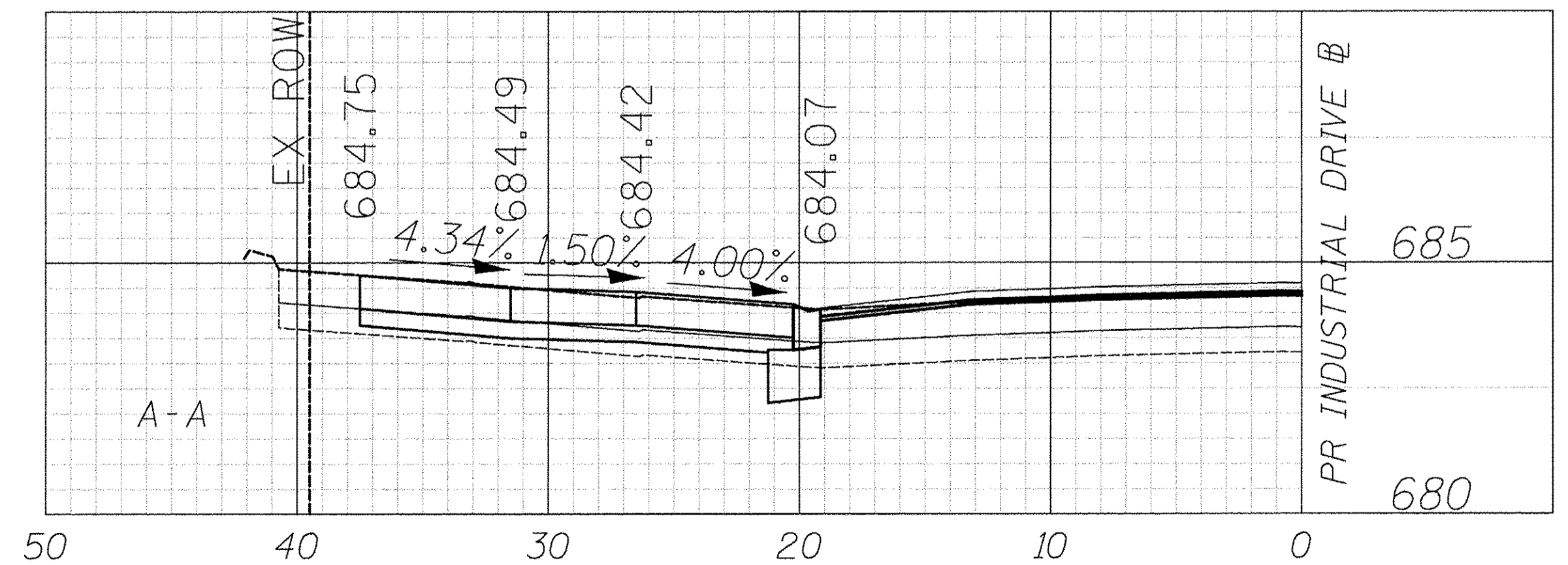
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



767 INDUSTRIAL DRIVE  
PIN: 0326405001

**LEGEND**

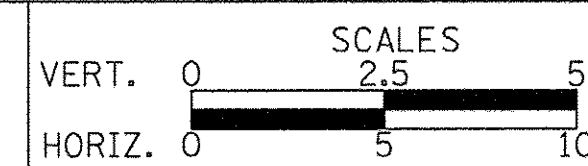
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



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CHECKED -	RTM	REVISED -
DATE -	12/02/2016	REVISED -

**STATE OF ILLINOIS  
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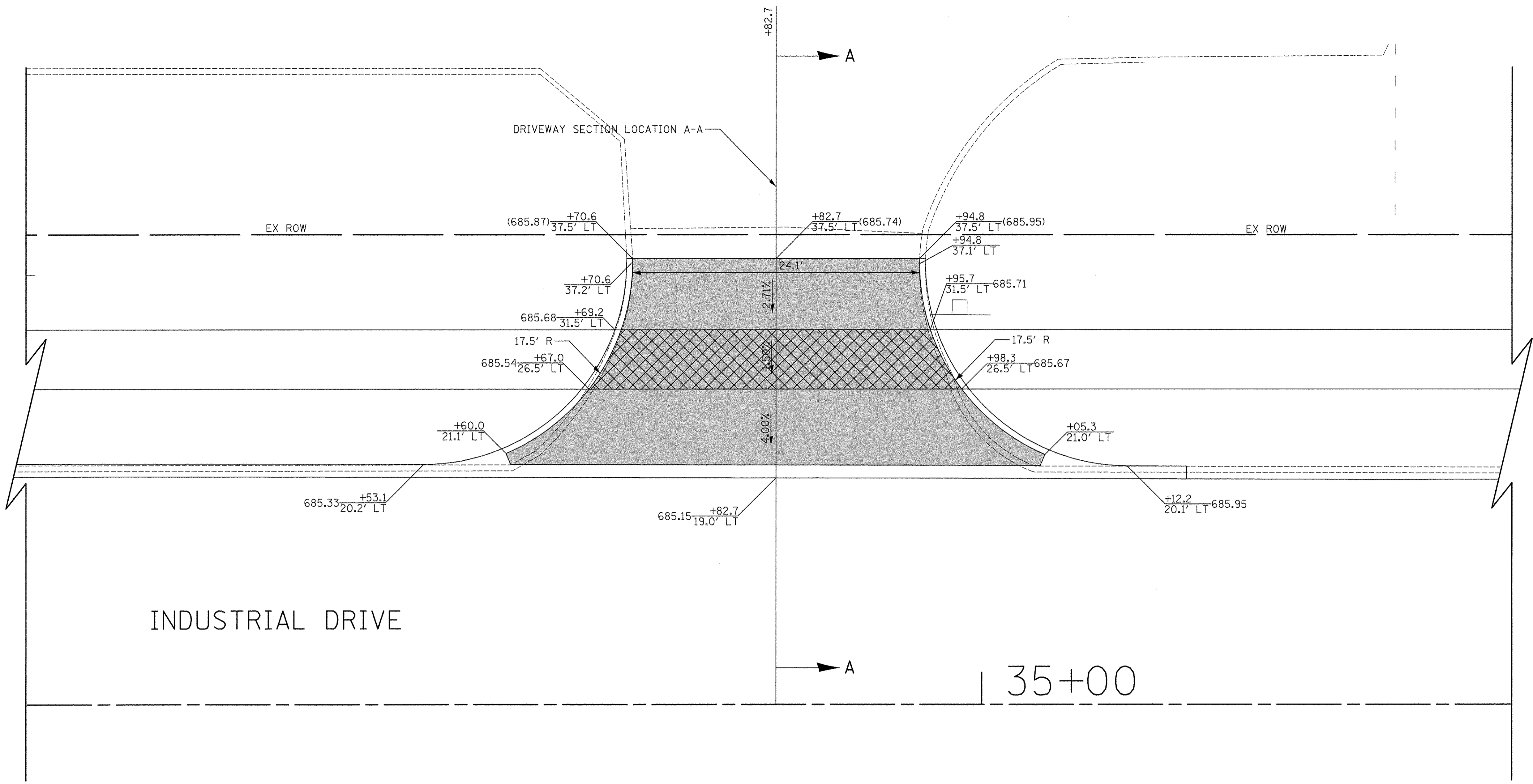
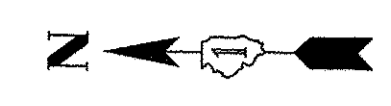


**DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 33+64.5**

SHEET NO. 17 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	42
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D49	





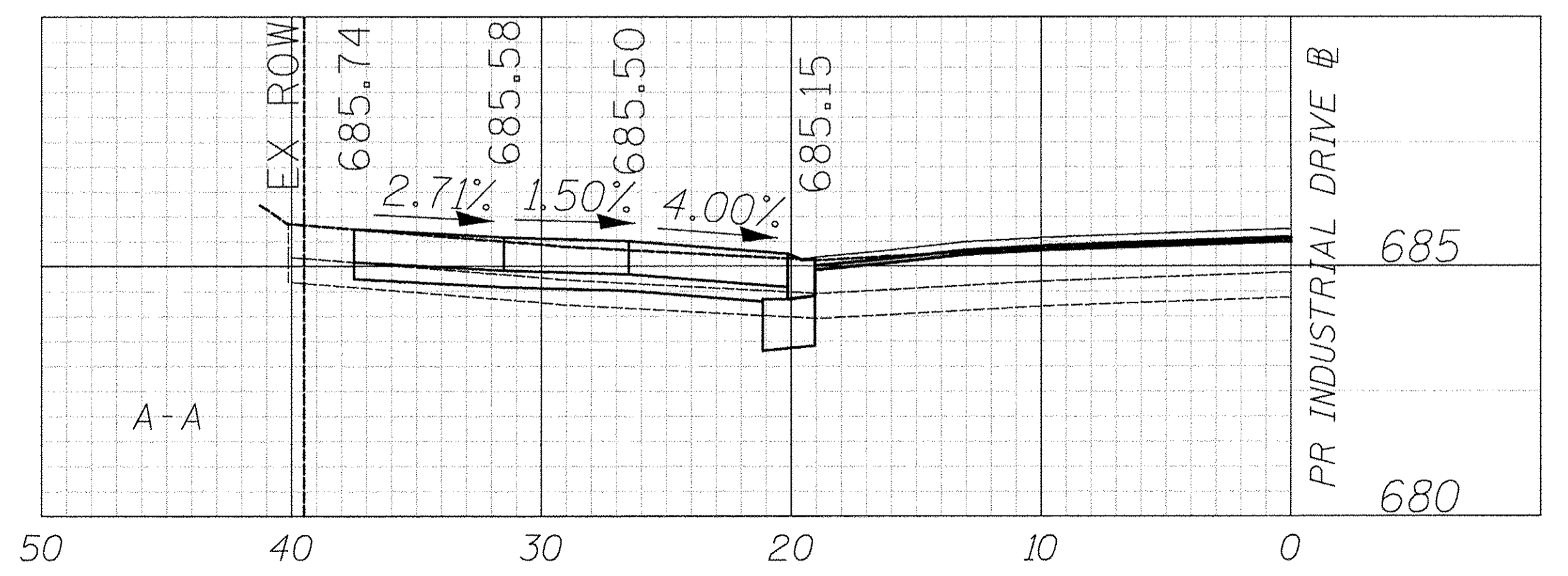
INDUSTRIAL DRIVE

35+00

745 INDUSTRIAL DRIVE  
PIN: 0326405001

**LEGEND**

- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH  
AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH  
AGGREGATE BASE COURSE, TYPE B 4" MIN.



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	RT. OF WAY CHECKED	
	CADD FILE NAME	
	NO.	

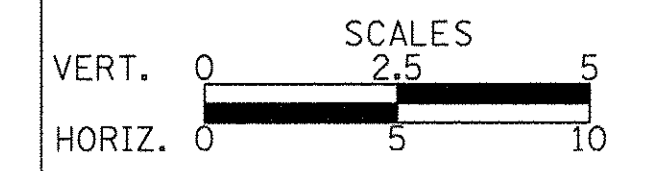
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	RT. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	



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CHECKED -	RTM	REVISED -	
DATE -	12/02/2016	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 34 + 82.7**

SHEET NO. 18 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	43
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D49	



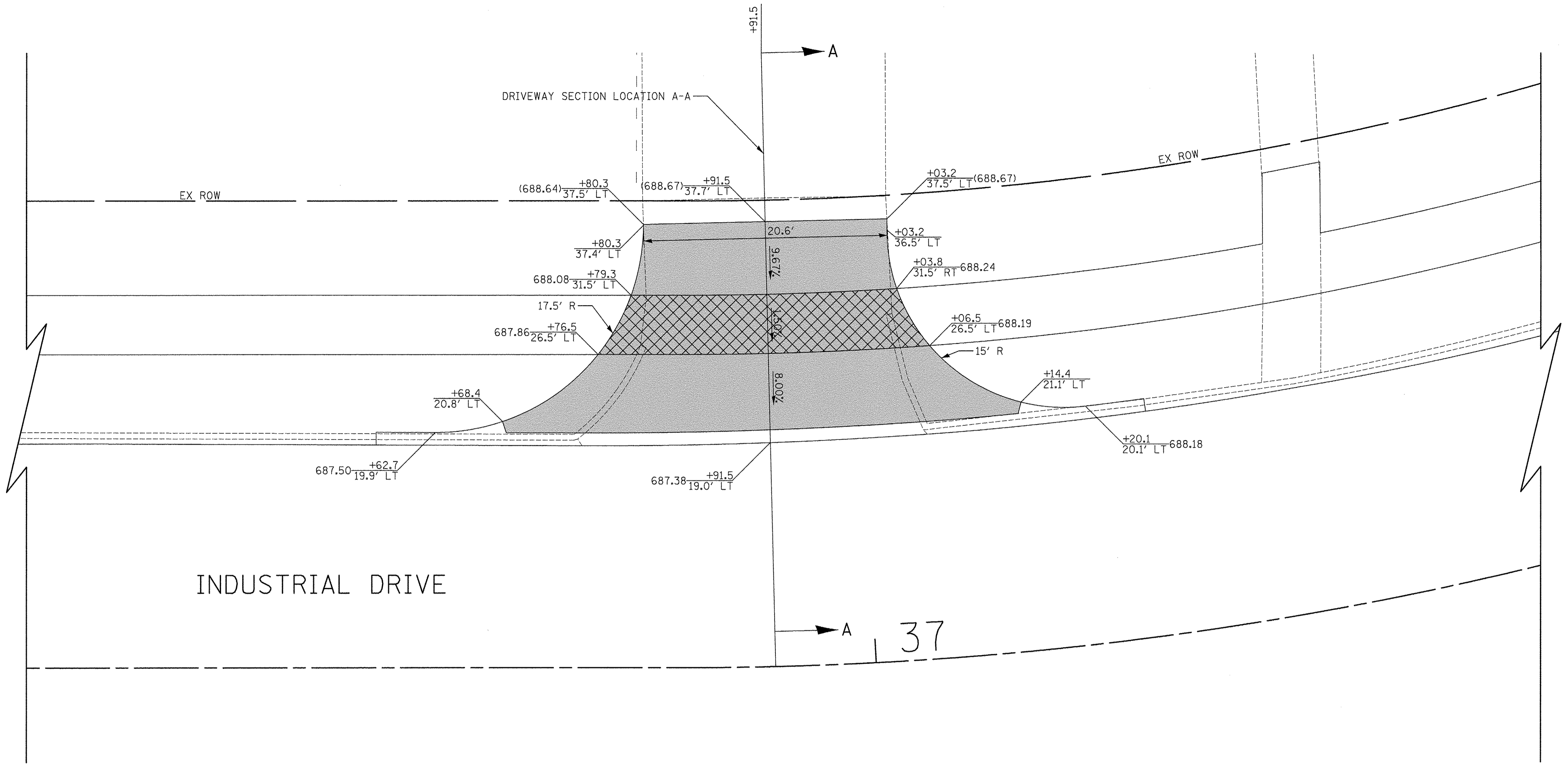






DATE	
BY	
PLANNING	
DESIGN	
CHECKING	
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NO.	

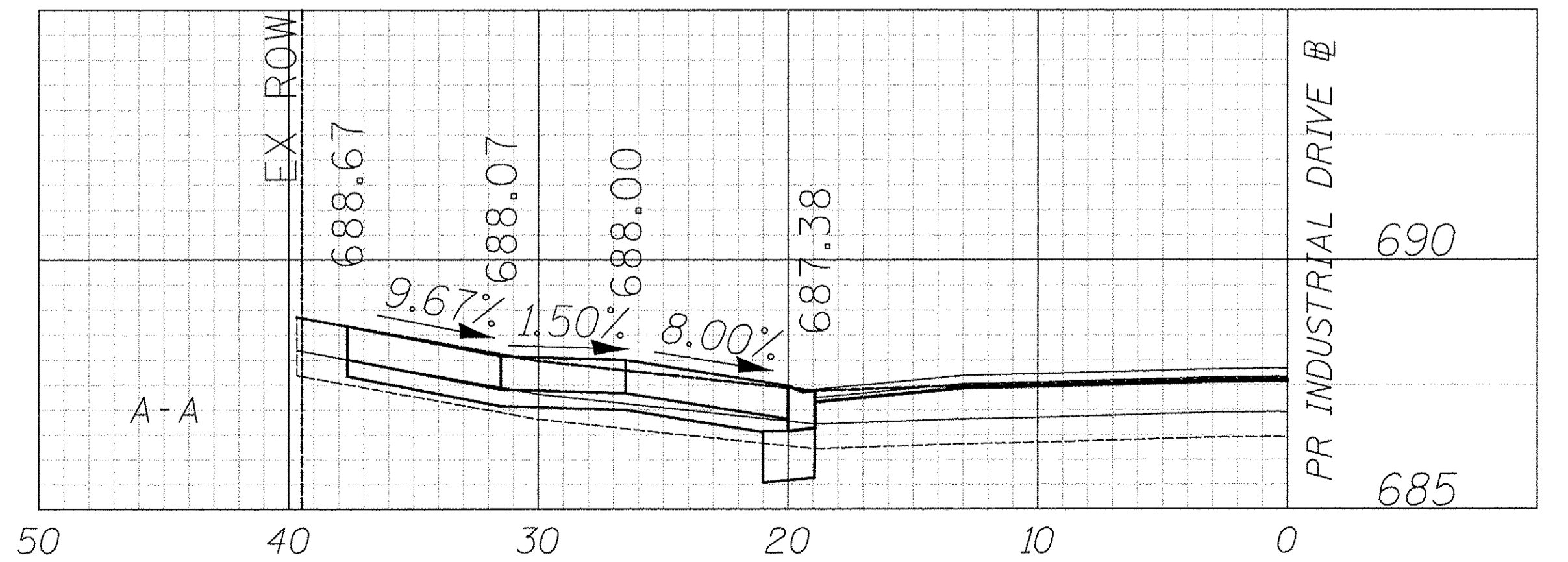
DATE	
BY	
PROFILES	
DESIGN	
CHECKING	
APPROVAL	
NO.	



733 INDUSTRIAL DRIVE  
PIN: 0326405003

**LEGEND**

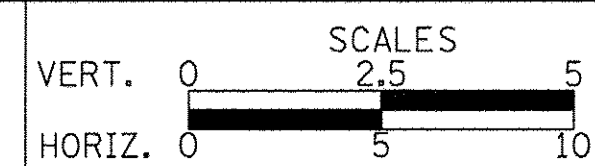
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



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CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 36 + 91.5**

SHEET NO. 20 OF 28 SHEETS

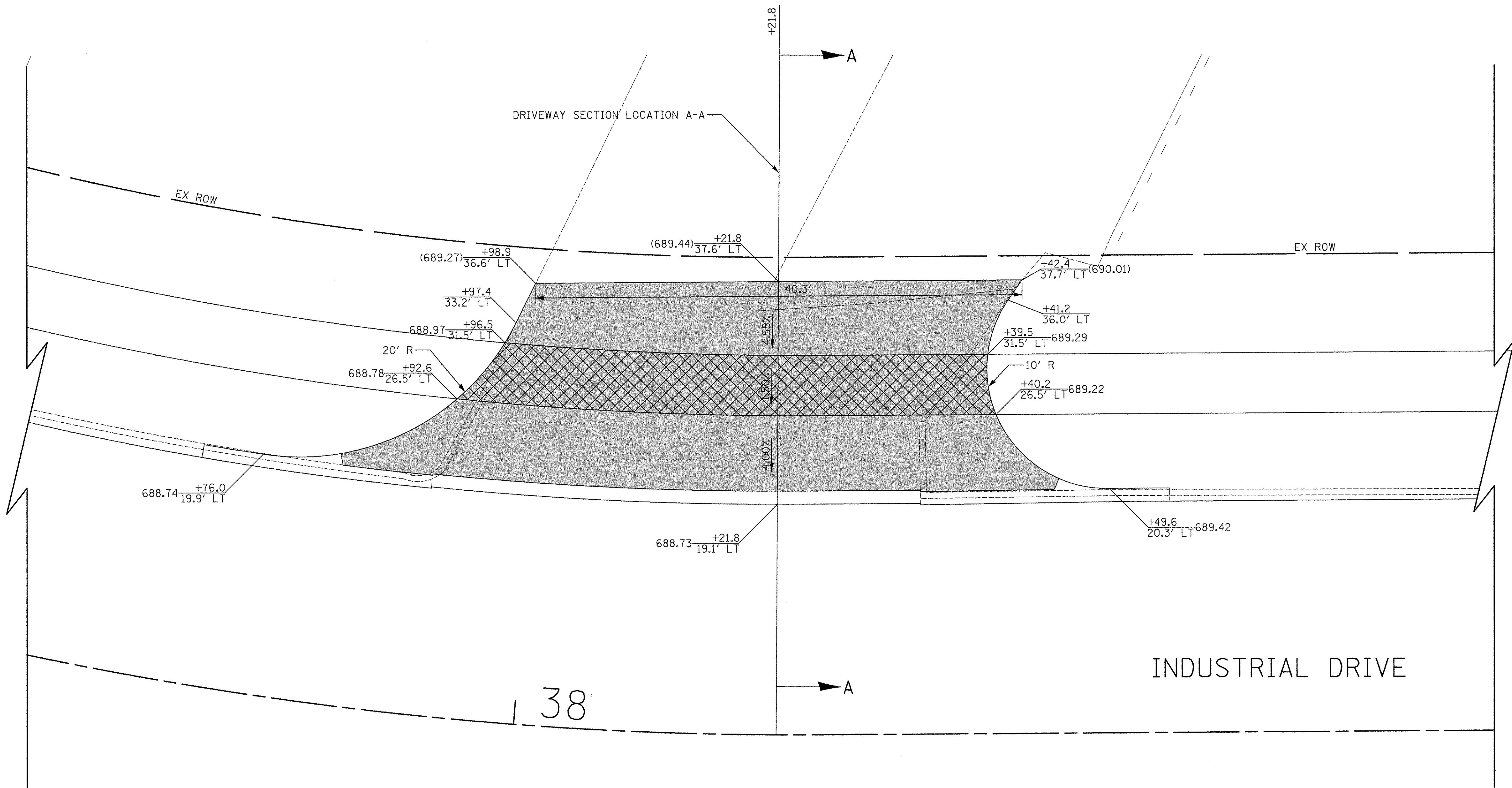
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FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 61D49
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DATE	
BY	
PLANNING	
DESIGN	
CHECKING	
APPROVAL	
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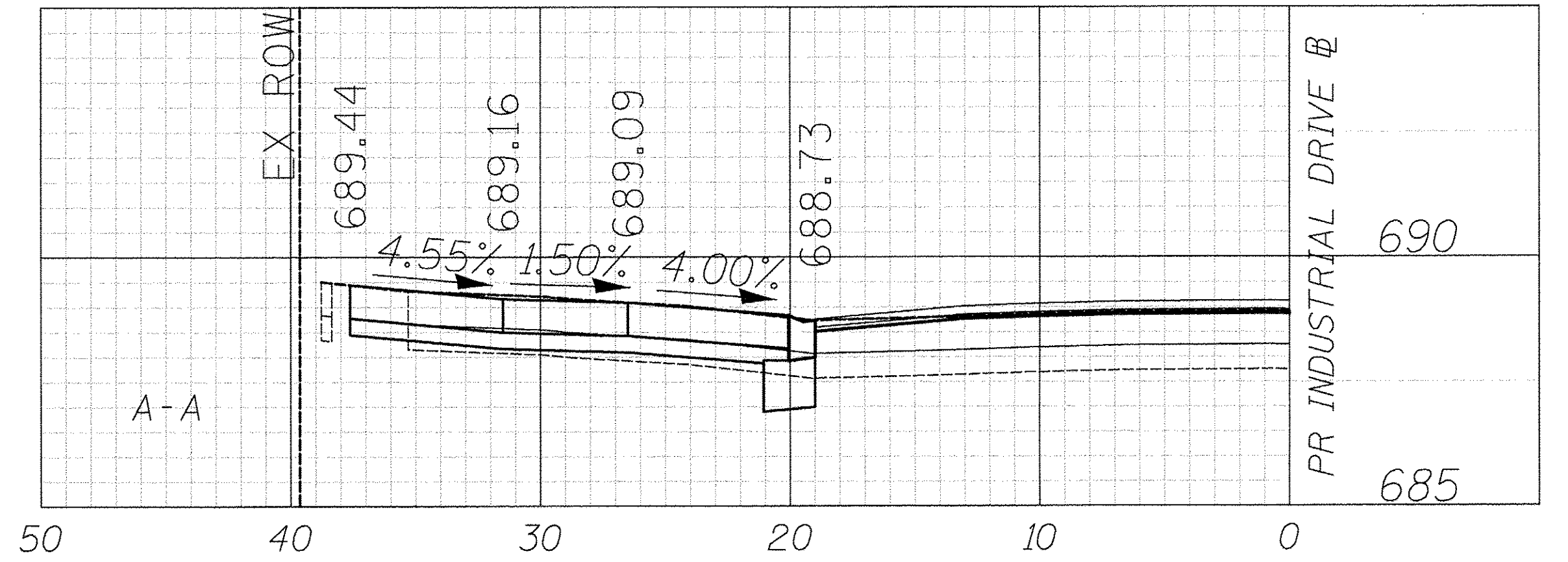
DATE	
BY	
PROFILE	
DESIGN	
CHECKING	
APPROVAL	
NO.	



733 INDUSTRIAL DRIVE  
PIN: 0326405003

**LEGEND**

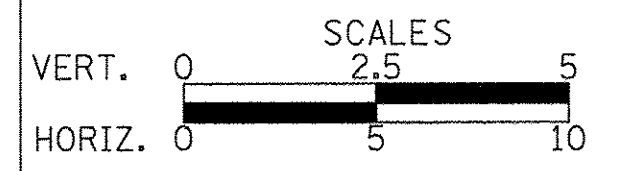
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



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DATE - 12/02/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 38 + 21.8**

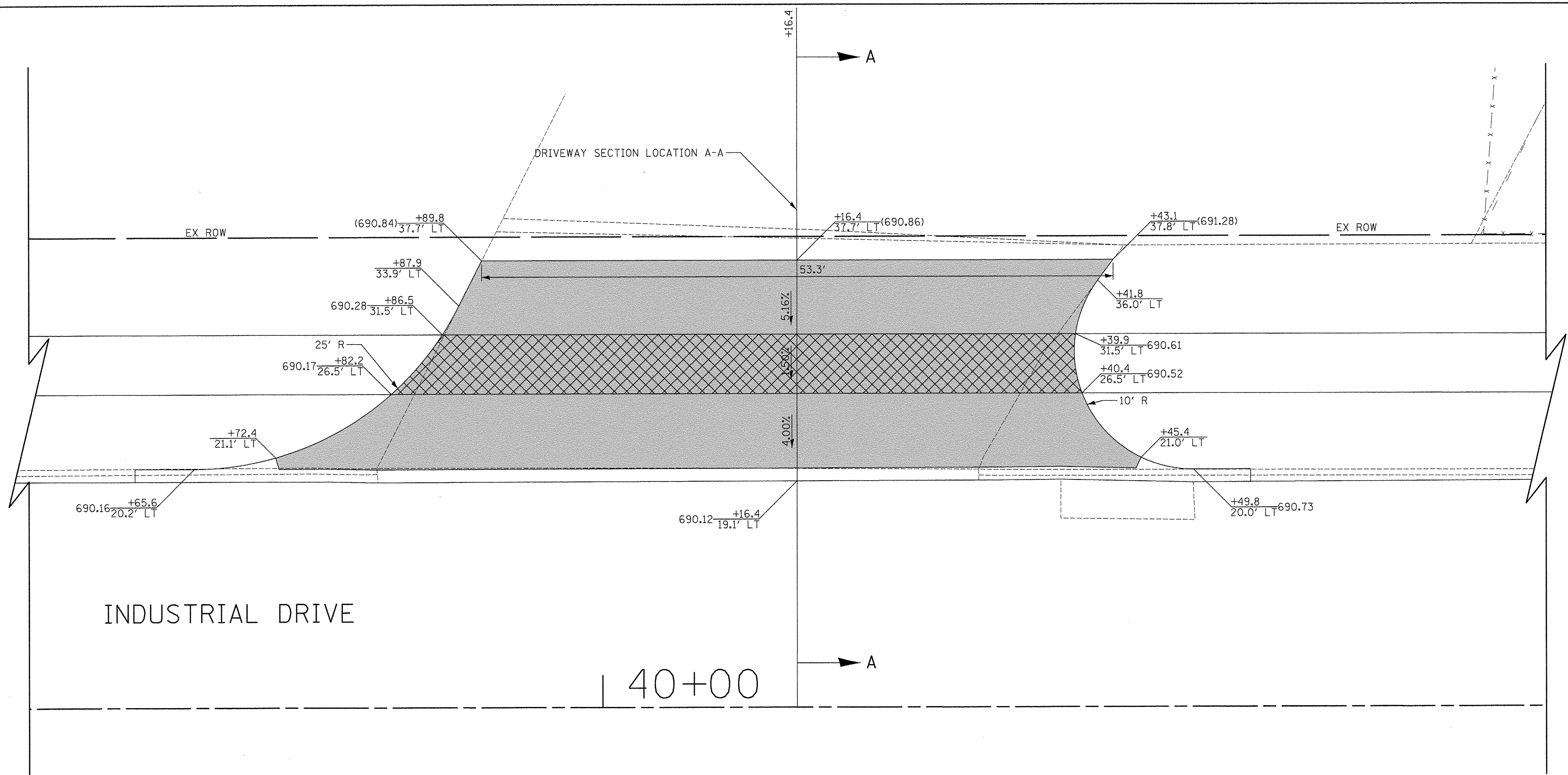
SHEET NO. 21 OF 28 SHEETS

F.A.U. RTE. 1084	SECTION 16-00186-00-RP	COUNTY DUPAGE	TOTAL SHEETS 78	SHEET NO. 46
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
RTM OF WAY CHECKED	
NO. _____	CADD FILE NAME
PLAN	
NO. _____	

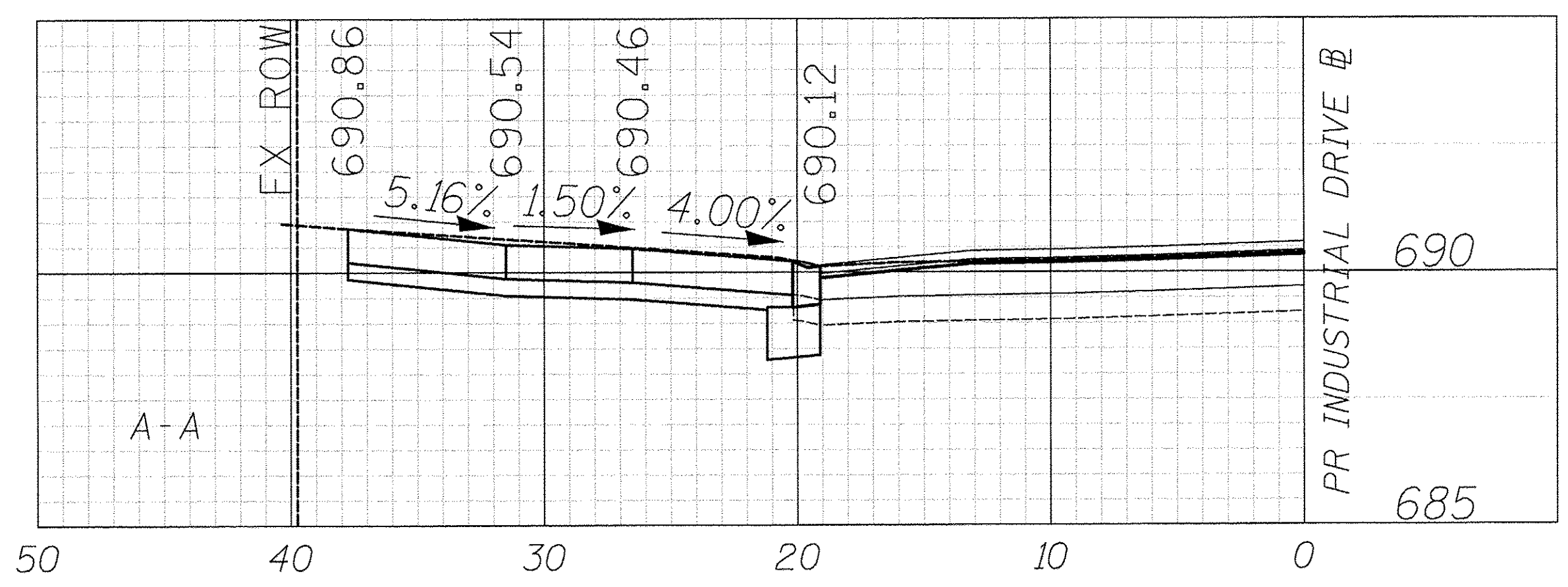
DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHKO	
NO. _____	
PROFILE	
NO. _____	



717 INDUSTRIAL DRIVE  
PIN: 0326405004

LEGEND

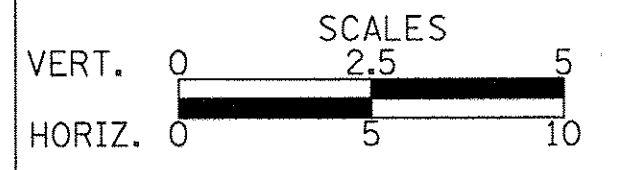
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



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CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 40 + 16.4

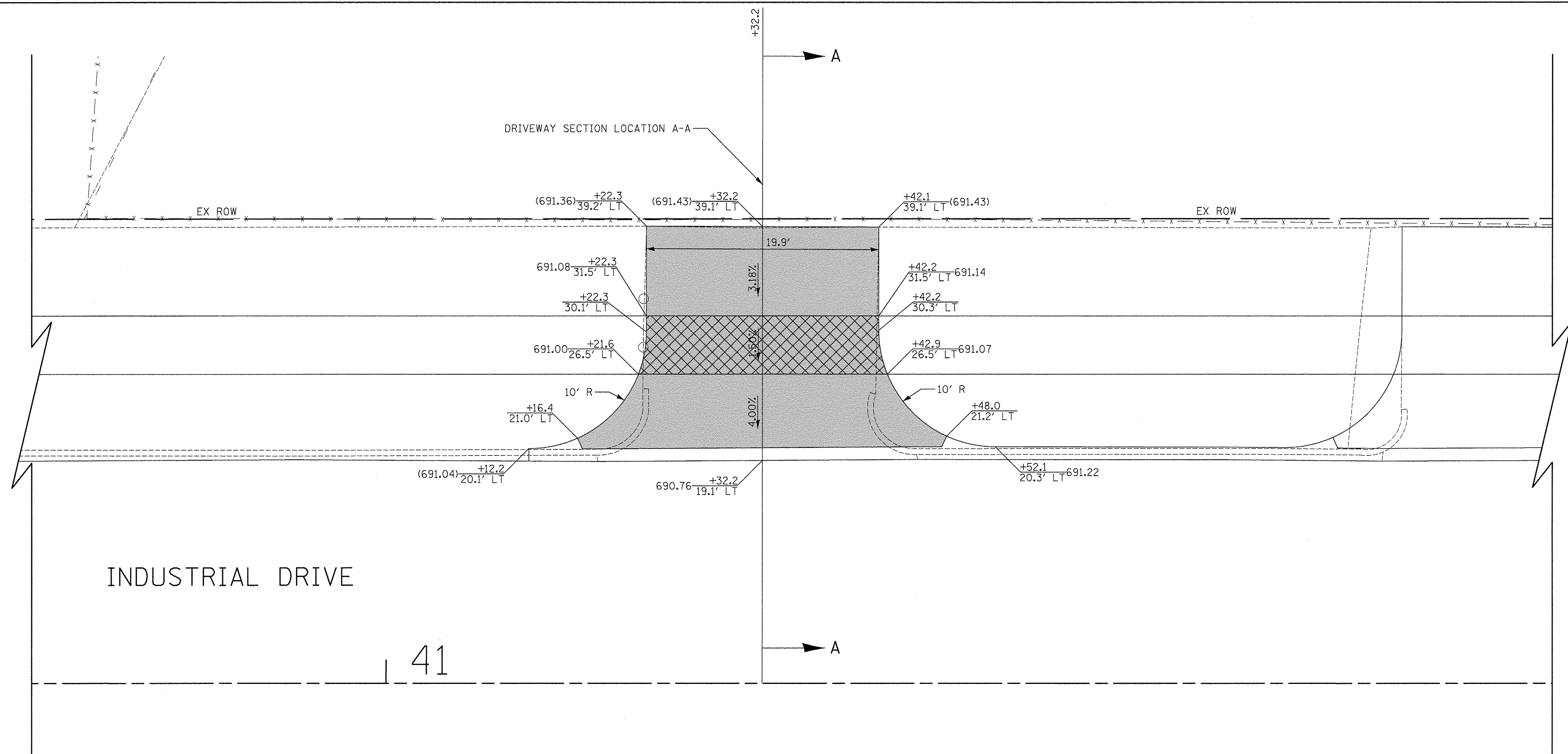
SHEET NO. 22 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	47
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO. _____	



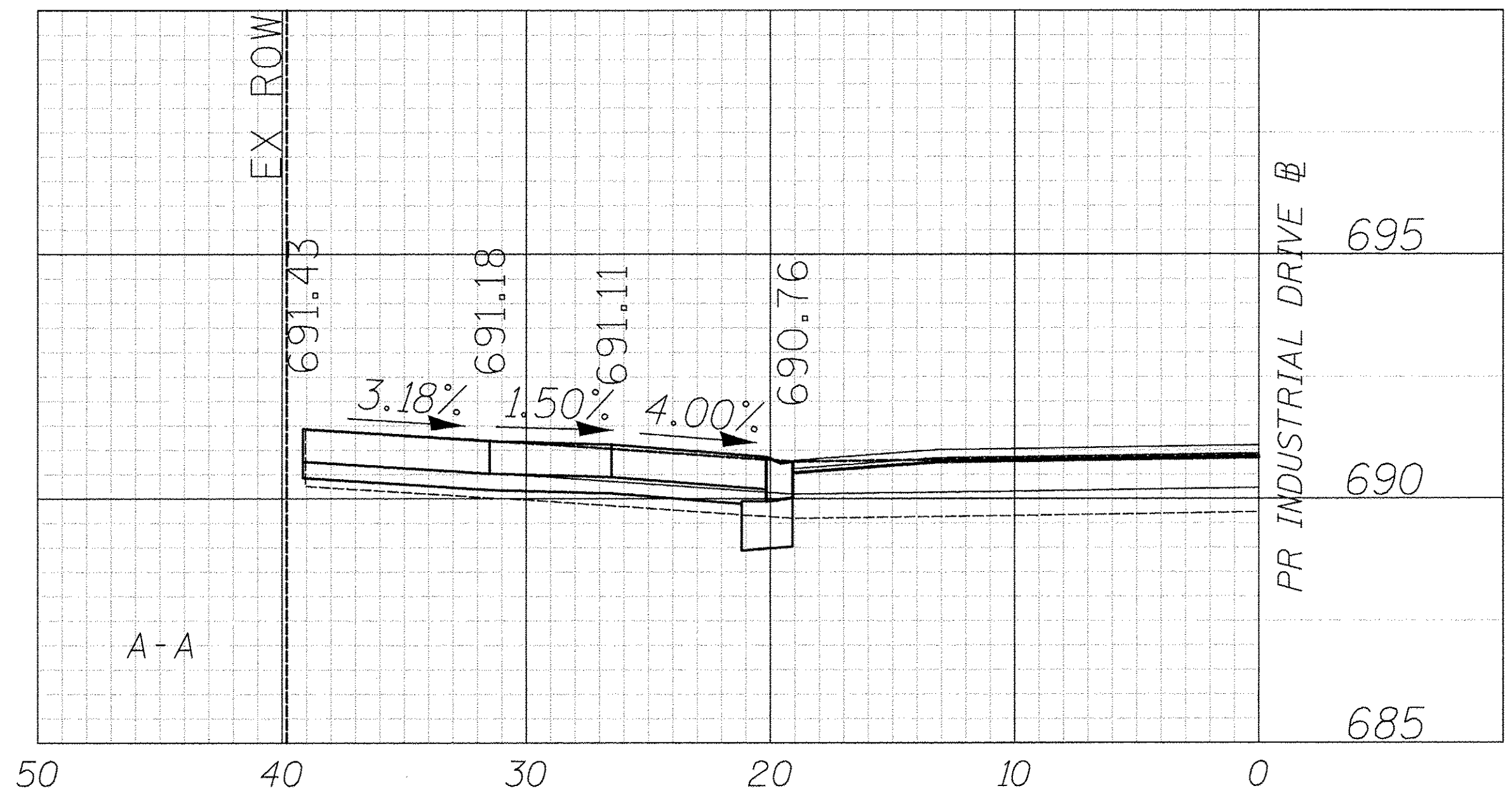
INDUSTRIAL DRIVE

41

688 INDUSTRIAL DRIVE  
PIN: 0335202001

LEGEND

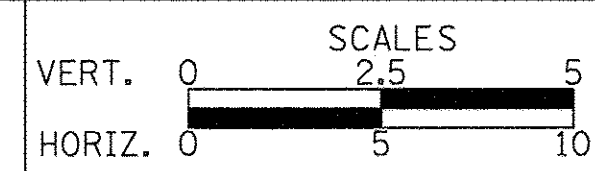
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



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DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 41 + 32.2

SHEET NO. 23 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	48
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				









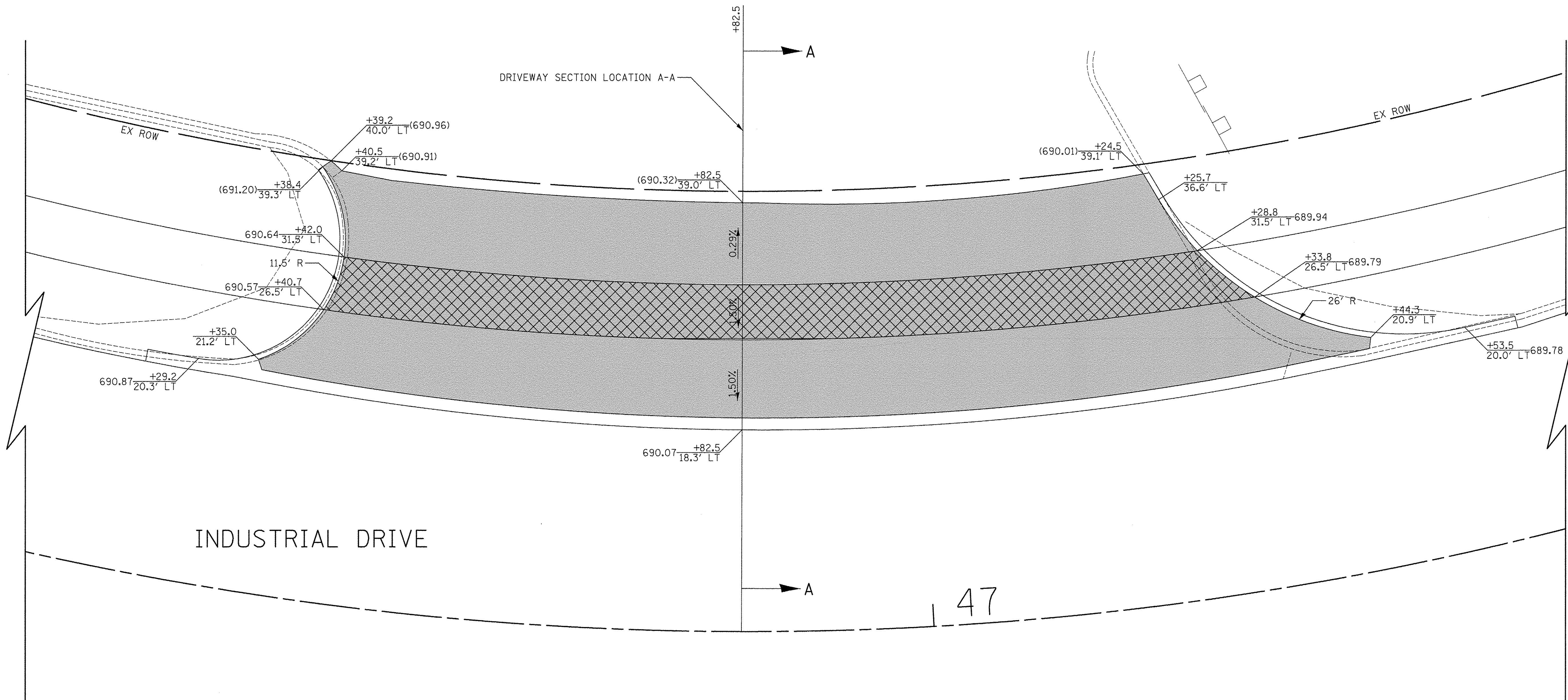






PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	CADD FILE NAME	
	NO.	

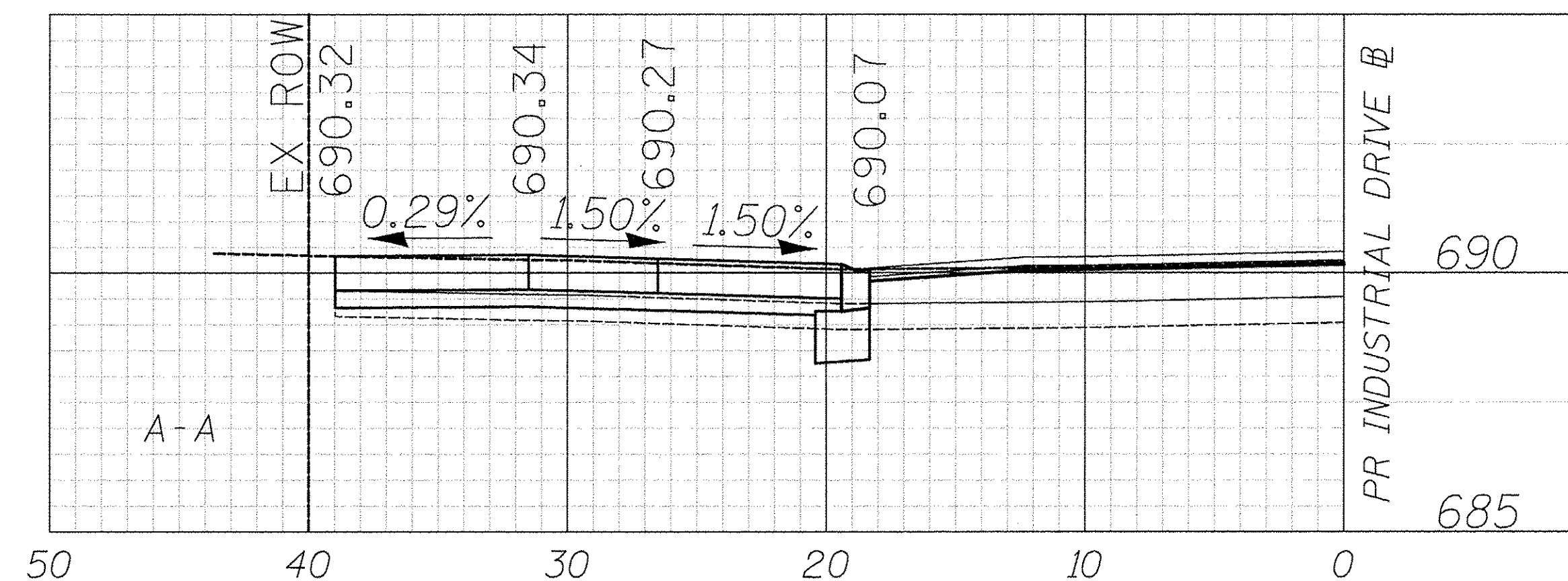
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
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	NO.	



185 INDUSTRIAL DRIVE  
PIN: 0335202003

LEGEND

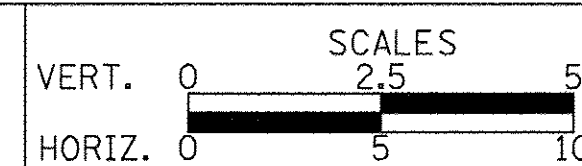
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



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DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

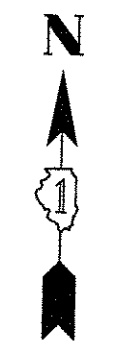


DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 46 + 82.5

SHEET NO. 27 OF 28 SHEETS

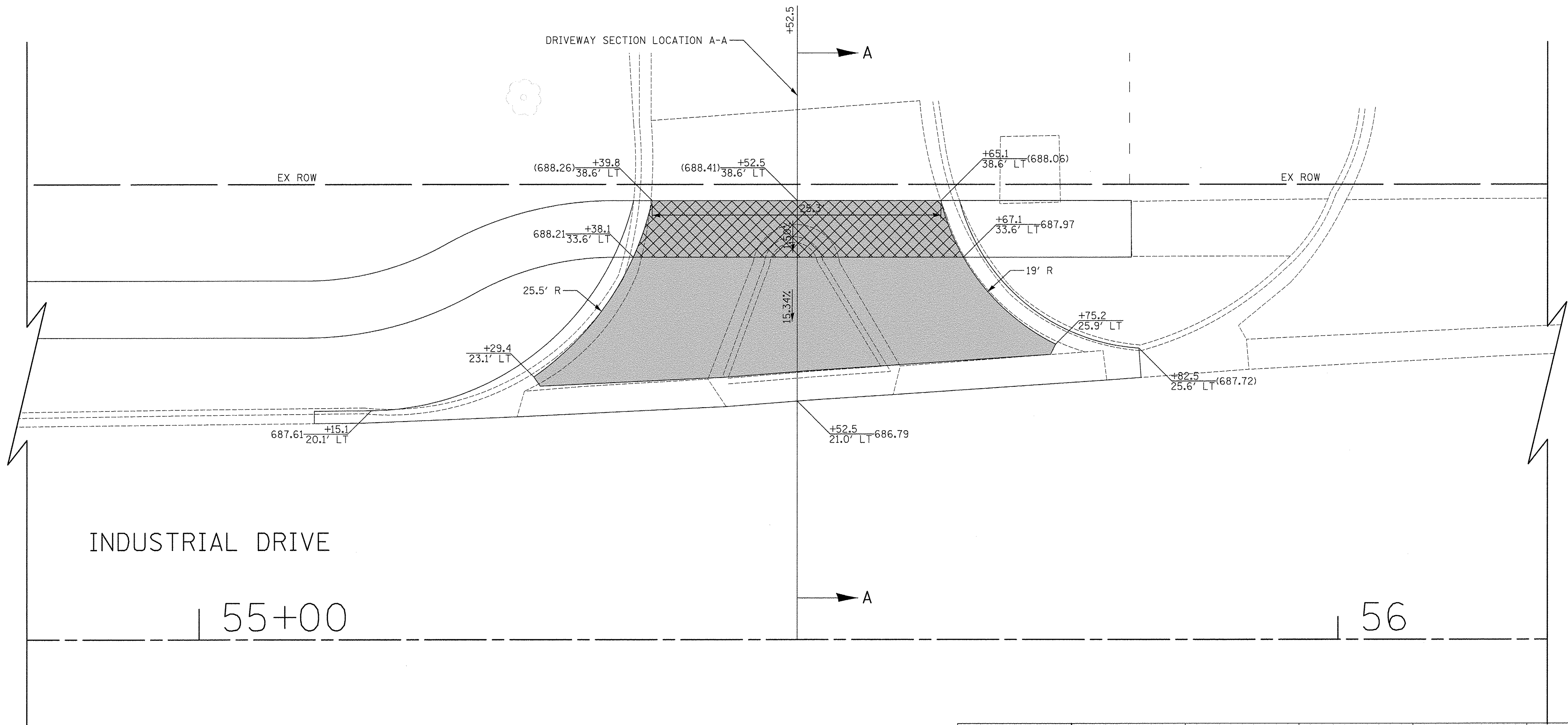
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1084	16-00186-00-RP	DUPAGE	78	52
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





PLAN	SURVEYED	DATE
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	CHECKED	
	REVISIONS	
	NO. DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	REVISIONS	
	NO. DATE	



INDUSTRIAL DRIVE

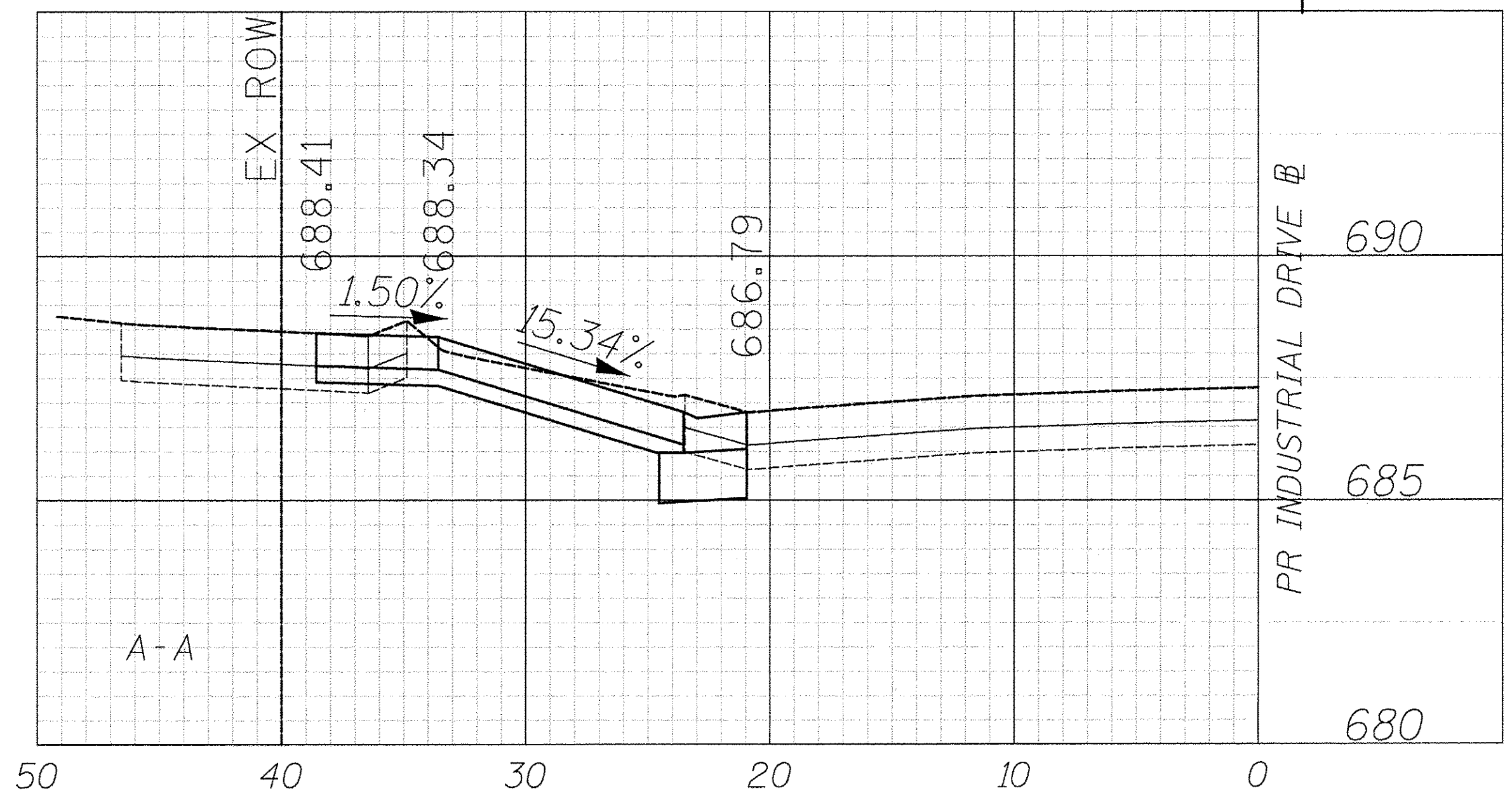
55+00

56

677 LARCH AVENUE  
PIN: 0335203002

LEGEND

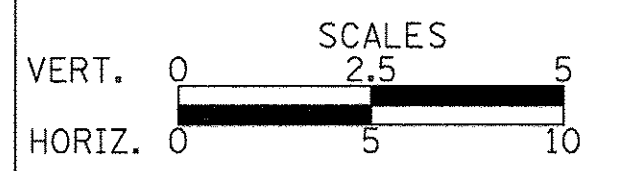
- PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH AGGREGATE BASE COURSE, TYPE B 4"
- PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH AGGREGATE BASE COURSE, TYPE B 4" MIN.



450 E Devon Ave, Suite 300  
Itasca, Illinois 60143  
Tel: 630.773.3900 Fax: 630.773.3975  
www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



DRIVEWAY DETAILS  
INDUSTRIAL DRIVE - STA. 55 + 52.5

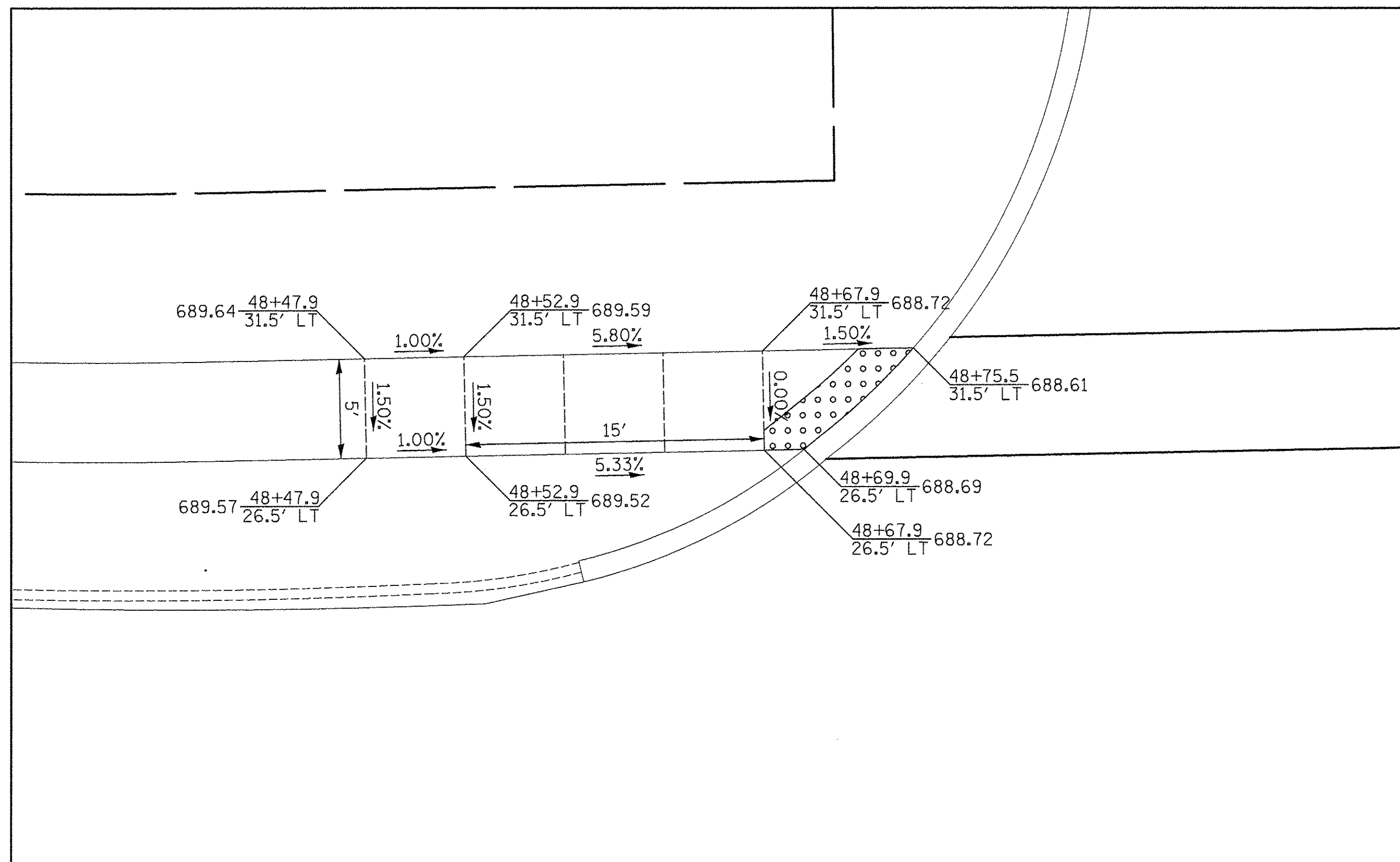
SHEET NO. 28 OF 28 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	53
CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

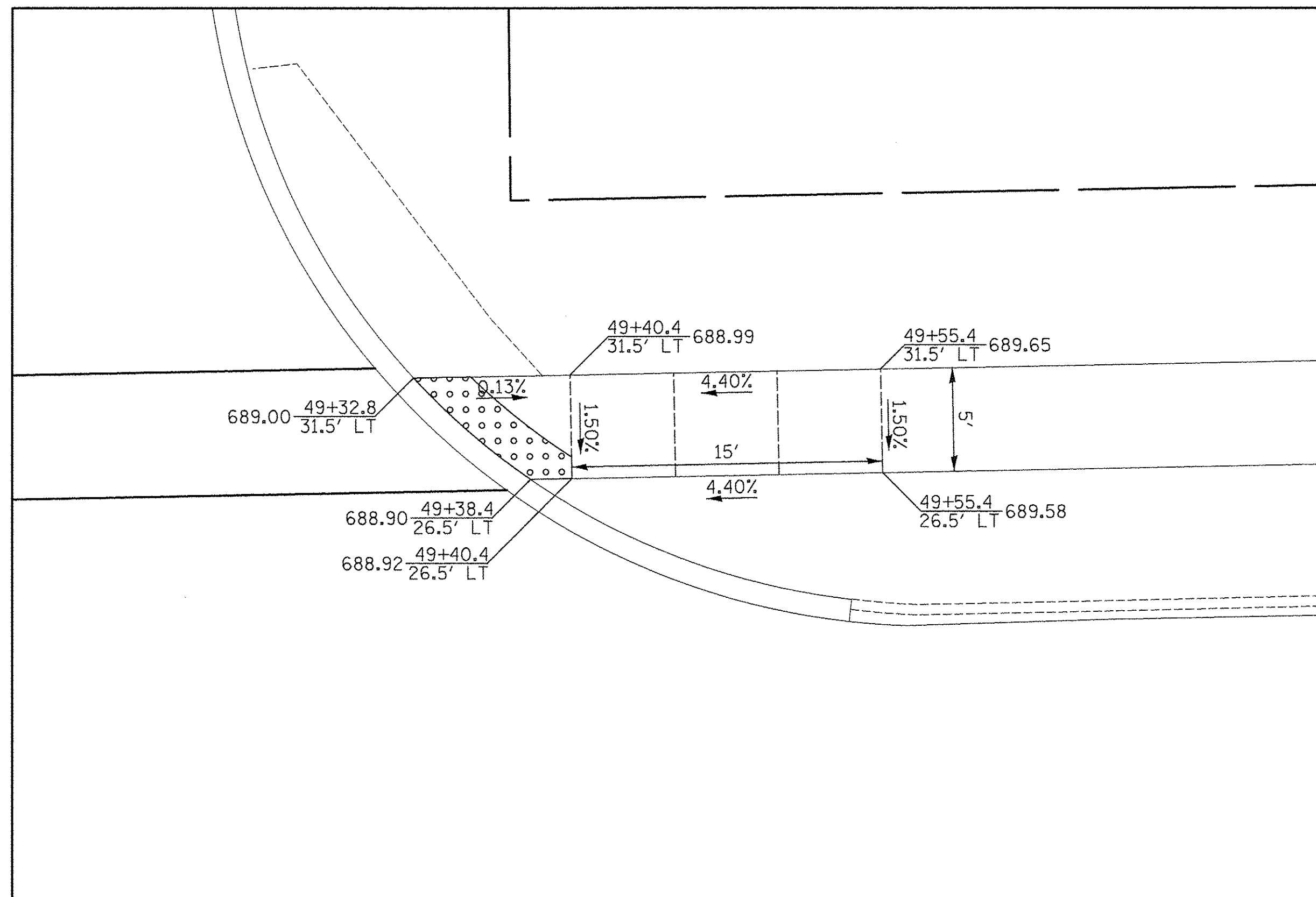








NW INDUSTRIAL DRIVE  
& LARCH AVENUE



NE INDUSTRIAL DRIVE  
& LARCH AVENUE

- LEGEND
- (XXX.XX) EXISTING ELEVATION
  - XXX.XX PROPOSED ELEVATION
  - DETECTABLE WARNING
  - SIDEWALK JOINT

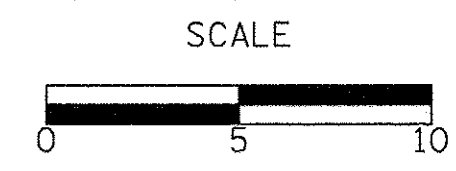
PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. _____	

**CIVILTECH**  
450 E Devon Ave, Suite 300  
Itasca, Illinois 60143  
Tel: 630.773.3900 Fax: 630.773.3975  
www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

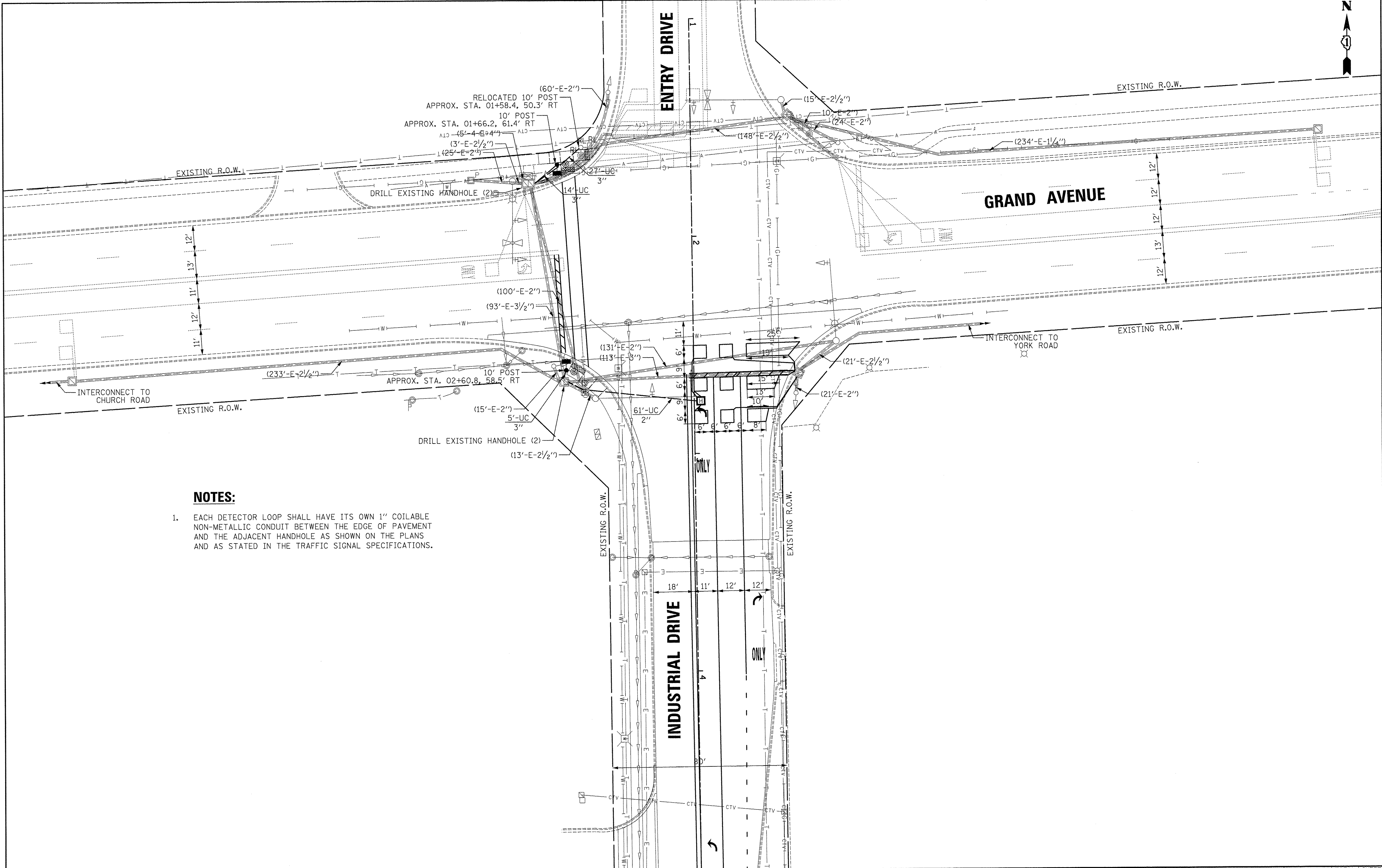


**SIDEWALK RAMP DETAILS**

SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	55
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D49	





**NOTES:**

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

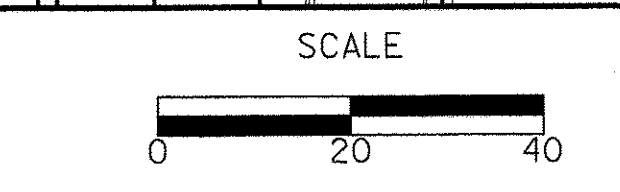
DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
RT. OF WAY CHECKED	
NO. _____	
NOTE BOOK	
NO. _____	
ADD. FILE NAME	

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NO. _____	

**CIVILTECH**  
 Two Pierce Place, Suite 1400  
 Itasca, Illinois 60143  
 Tel: 630.773.3900 Fax: 630.773.3975  
 www.civiltechinc.com

DESIGNED - LEP	REVISED -
DRAWN - OJT	REVISED -
CHECKED - JJE	REVISED -
DATE - 12/02/2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**TRAFFIC SIGNAL MODIFICATION PLAN  
 INDUSTRIAL DRIVE AT GRAND AVENUE**

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

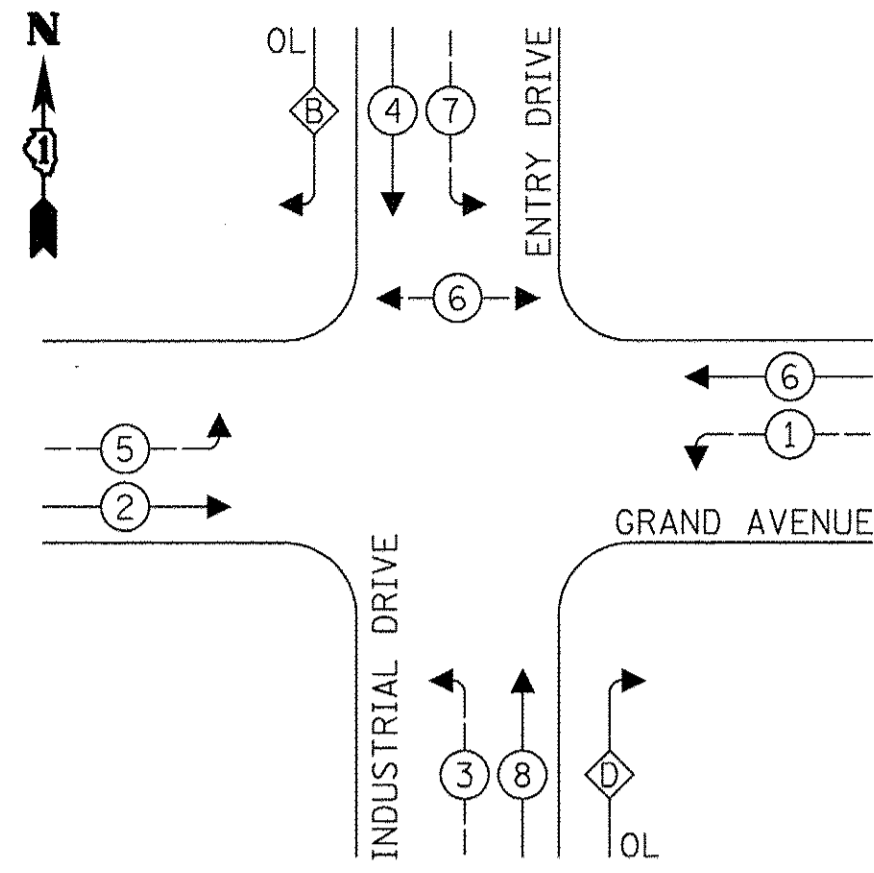
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	56
				CONTRACT NO. 61D49
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



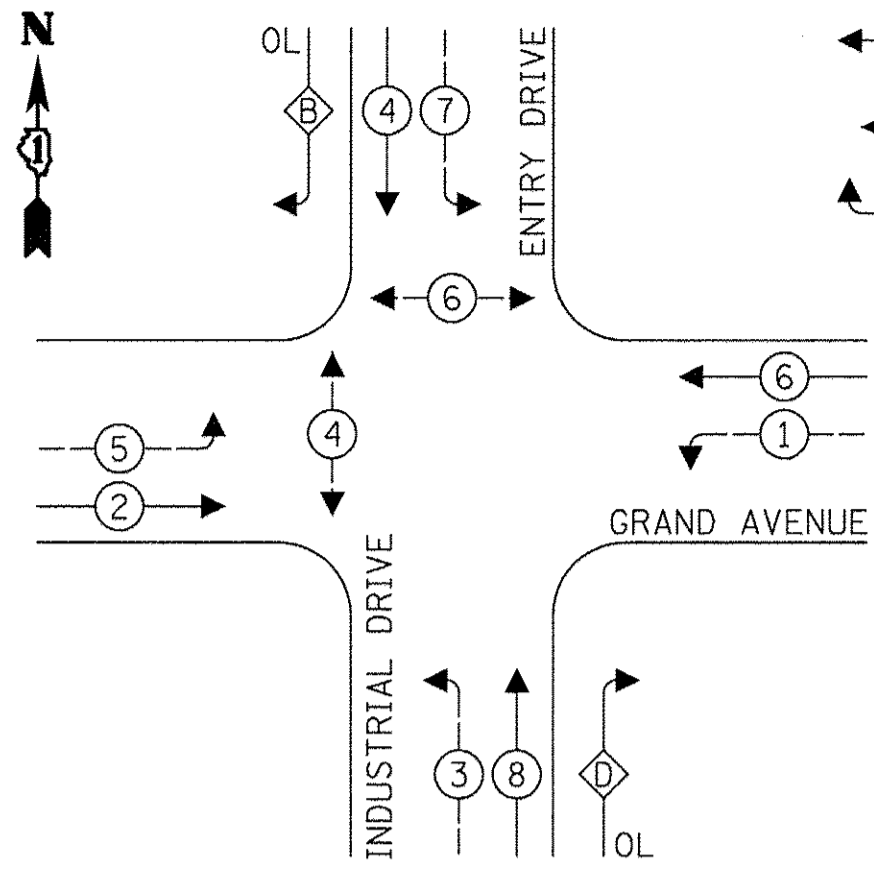
PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

**EXISTING CONTROLLER SEQUENCE**



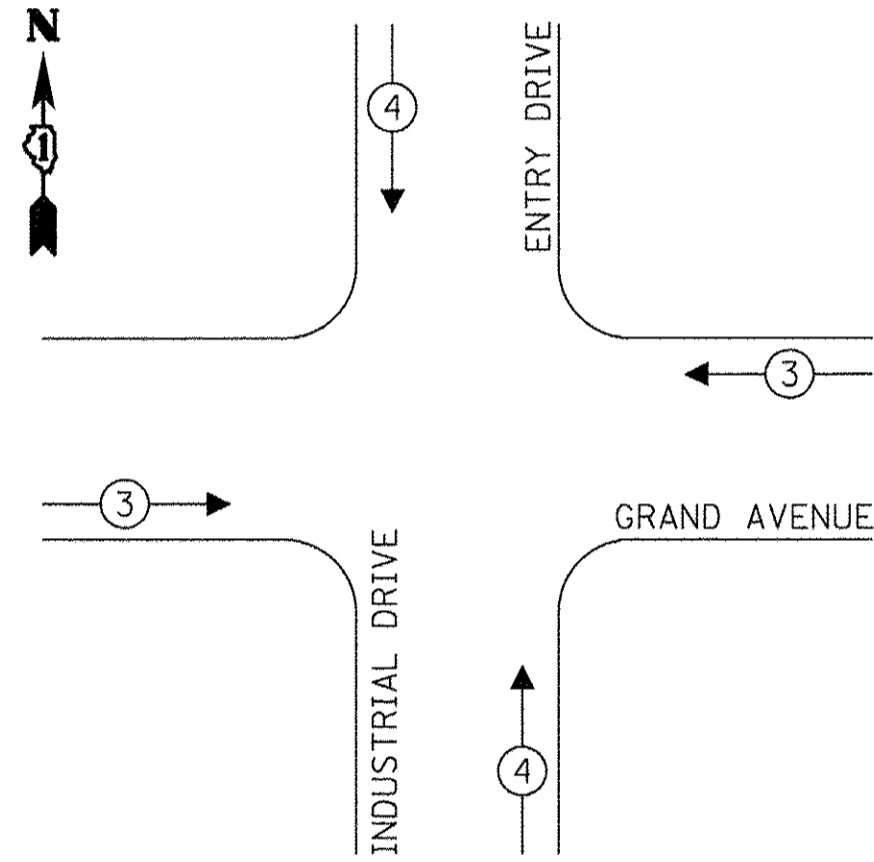
**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

- ⊙ PROTECTED PHASE
- ⊙ PROTECTED/PERMITTED PHASE
- ⊙ PEDESTRIAN PHASE
- ⊙ OL OVERLAP

**EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
D	= 8	+ 1

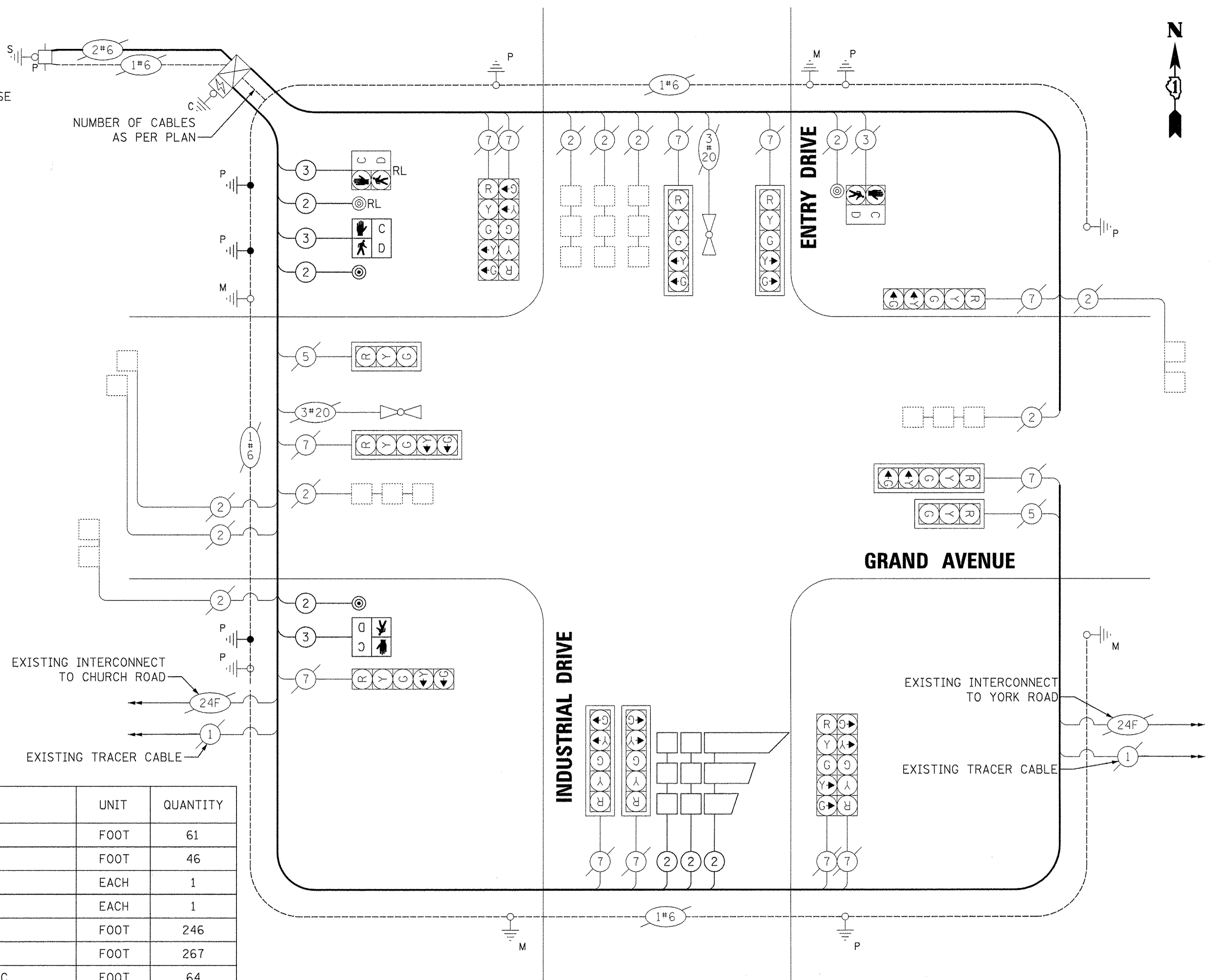
**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	61
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	46
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	246
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	267
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	64
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	12
DRILL EXISTING HANDHOLE	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
DETECTOR LOOP, TYPE I	FOOT	436
PEDESTRIAN PUSH-BUTTON	EACH	2
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	45
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

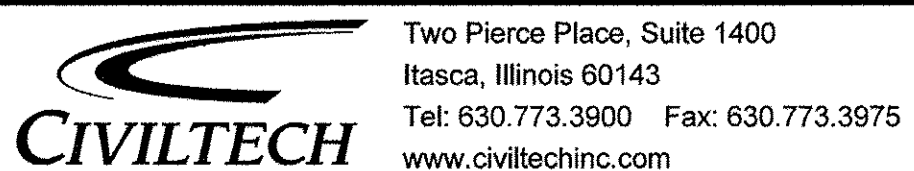
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	24	10	100	24.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>395.6</b>

ENERGY COSTS TO:  
 Dupage County Div. of Transportation  
 421 N. County Farm Road  
 Wheaton, IL 60187  
 ENERGY SUPPLY: CONTACT: XXXXXXXX  
 PHONE: XXXXXXXX  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---



**NOTES:**

\* "TEMPORARY TRAFFIC SIGNAL TIMING" SHALL BE INCLUDED AT THE INTERSECTIONS OF GRAND AVENUE/INDUSTRIAL DRIVE, GRAND AVENUE/INDUSTRIAL DRIVE, GRAND AVENUE/YORK STREET AND YORK STREET/INDUSTRIAL DRIVE WHILE THE INDUSTRIAL DRIVE DETOUR IS IN OPERATION. SEE DETOUR PLAN FOR MORE INFORMATION.



DESIGNED - LEP	REVISED -
DRAWN - TGB	REVISED -
CHECKED - JJE	REVISED -
DATE - 12/02/2016	REVISED -

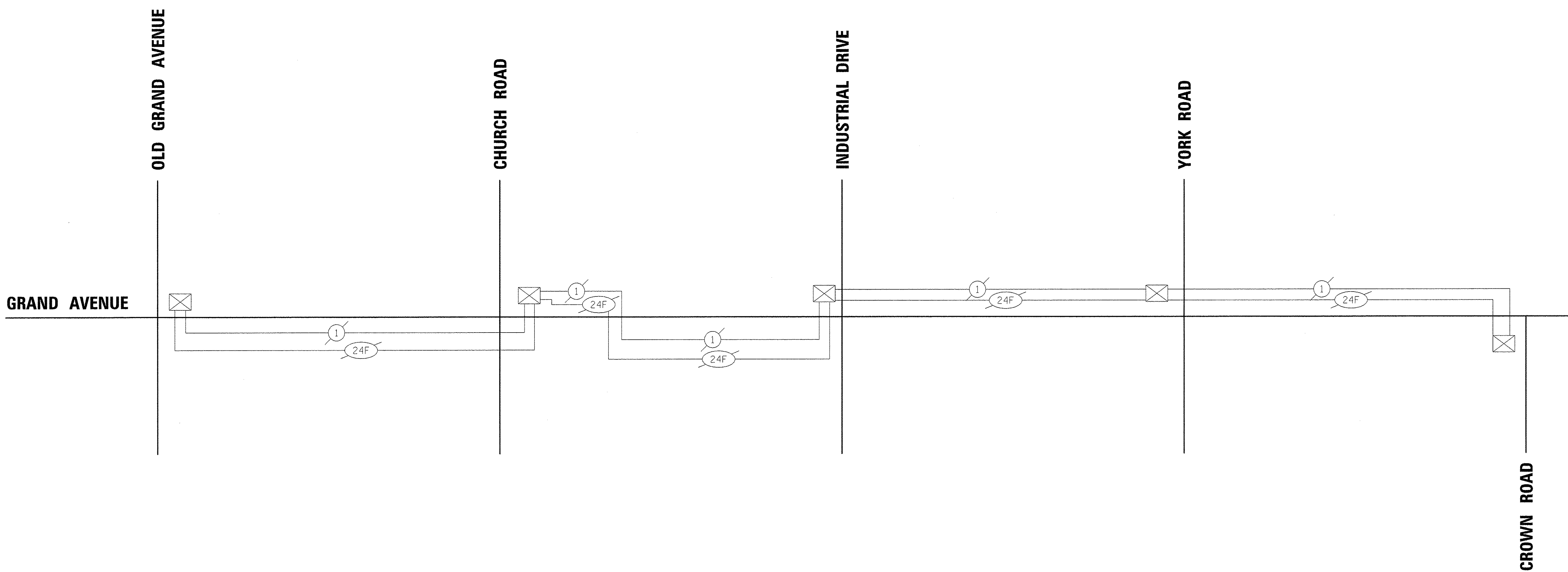
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, SEQUENCES AND SCHEDULE OF QUANTITIES INDUSTRIAL DRIVE AT GRAND AVENUE**

NO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	57
CONTRACT NO. 61D49			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	





**INTERCONNECT SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	
NO.	RT. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	STRUCTURE NOTATIONS CHECKED	
	BY	



# TRAFFIC SIGNAL LEGEND

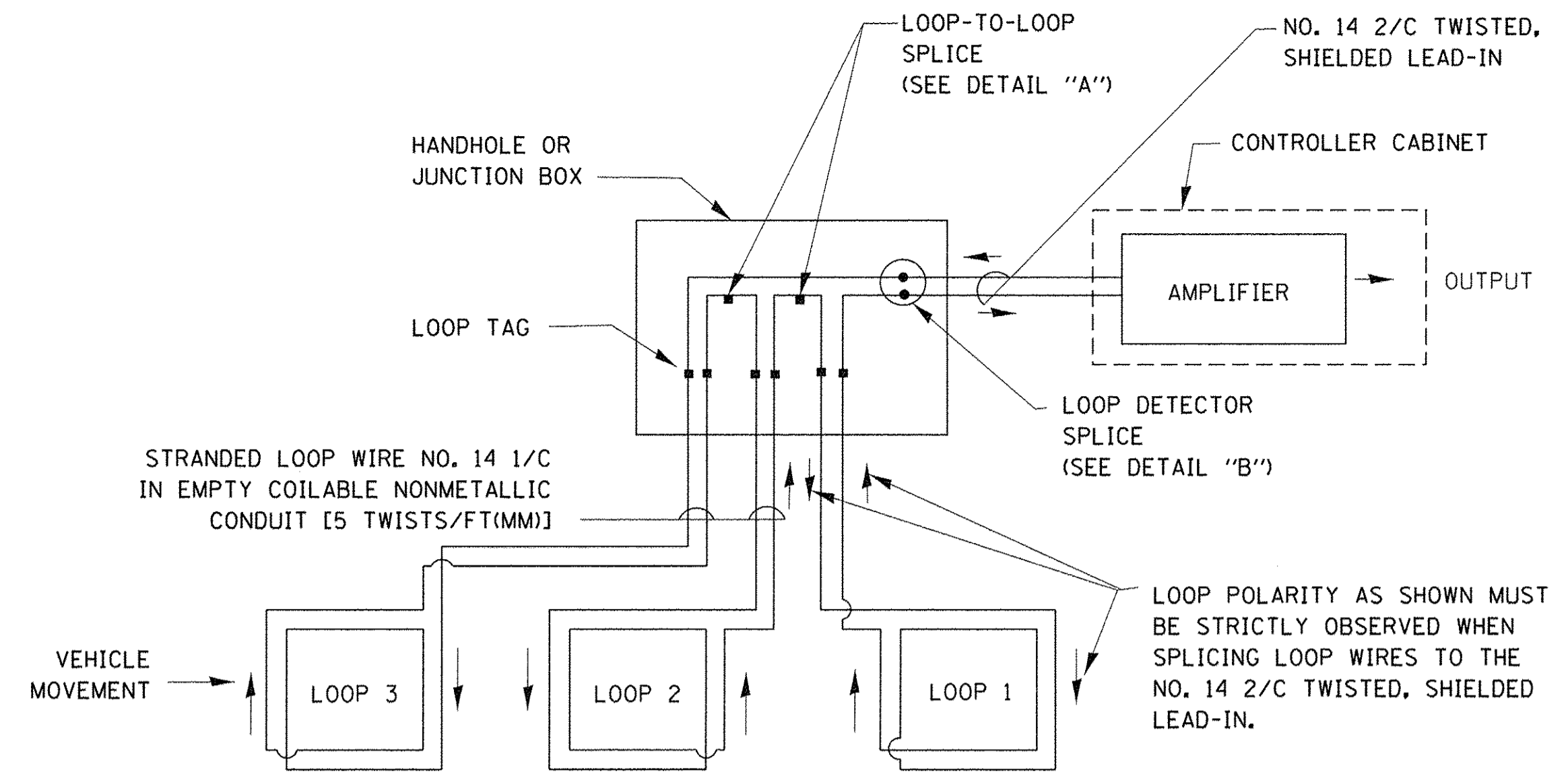
(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE			SIGNAL HEAD		
COMMUNICATION CABINET			-ROUND			- (P) PROGRAMMABLE SIGNAL HEAD		
MASTER CONTROLLER			HEAVY DUTY HANDHOLE -SQUARE					
MASTER MASTER CONTROLLER			-ROUND			SIGNAL HEAD WITH BACKPLATE		
UNINTERRUPTABLE POWER SUPPLY			DOUBLE HANDHOLE			- (P) PROGRAMMABLE SIGNAL HEAD		
SERVICE INSTALLATION - (P) POLE MOUNTED			JUNCTION BOX			- (RB) RETROREFLECTIVE BACKPLATE		
SERVICE INSTALLATION - (G) GROUND MOUNTED			RAILROAD CANTILEVER MAST ARM					
- (GM) GROUND MOUNTED METERED			RAILROAD FLASHING SIGNAL			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
TELEPHONE CONNECTION			RAILROAD CROSSING GATE			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CROSSBUCK			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
ALUMINUM MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
SIGNAL POST - (BM) BARREL MOUNTED - TEMPORARY			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
WOOD POLE			SYSTEM ITEM			COAXIAL CABLE		
GUY WIRE			INTERSECTION ITEM			VENDOR CABLE		
SIGNAL HEAD			REMOVE ITEM			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL HEAD WITH BACKPLATE			RELOCATE ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F		
SIGNAL HEAD OPTICALLY PROGRAMMED			ABANDON ITEM			-NO. 62.5/125, MM12F SM12F		
FLASHER INSTALLATION - (FS) SOLAR POWERED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			-NO. 62.5/125, MM12F SM24F		
			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON - (APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE 1			GROUND ROD		
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP			- (M) MAST ARM		
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR			- (P) POST		
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			- (S) SERVICE		
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								



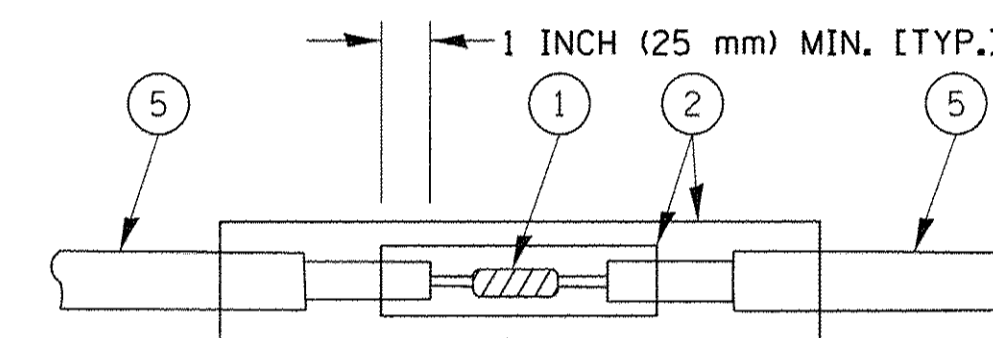
**LOOP DETECTOR NOTES**

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

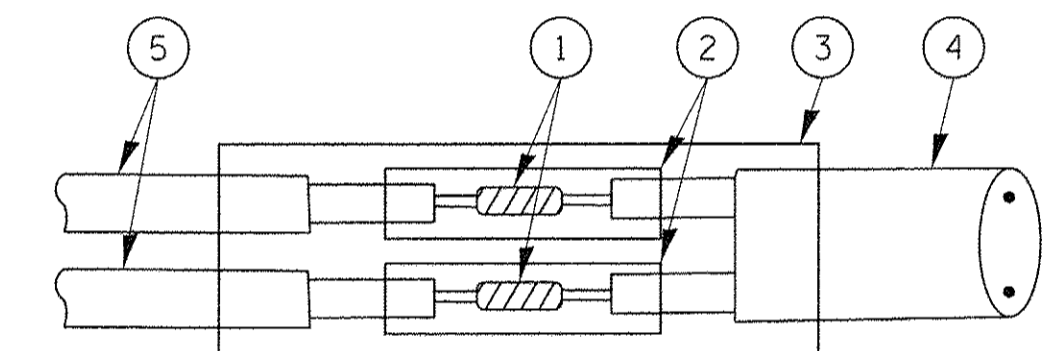


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

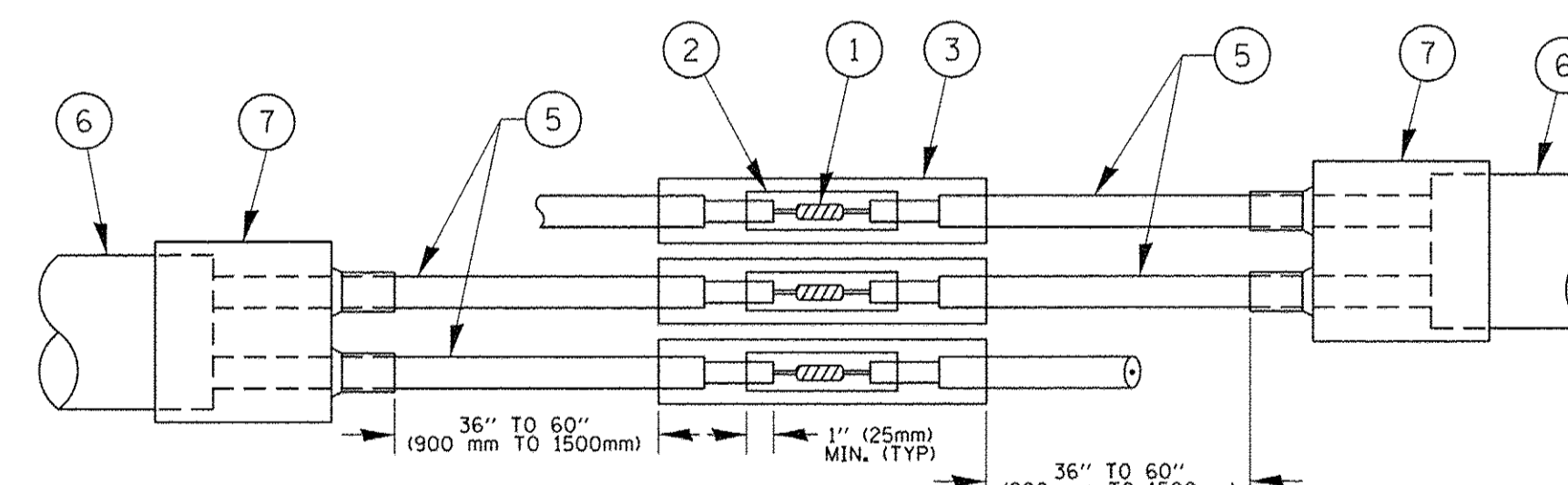


DETAIL "A"  
LOOP-TO-LOOP SPLICE

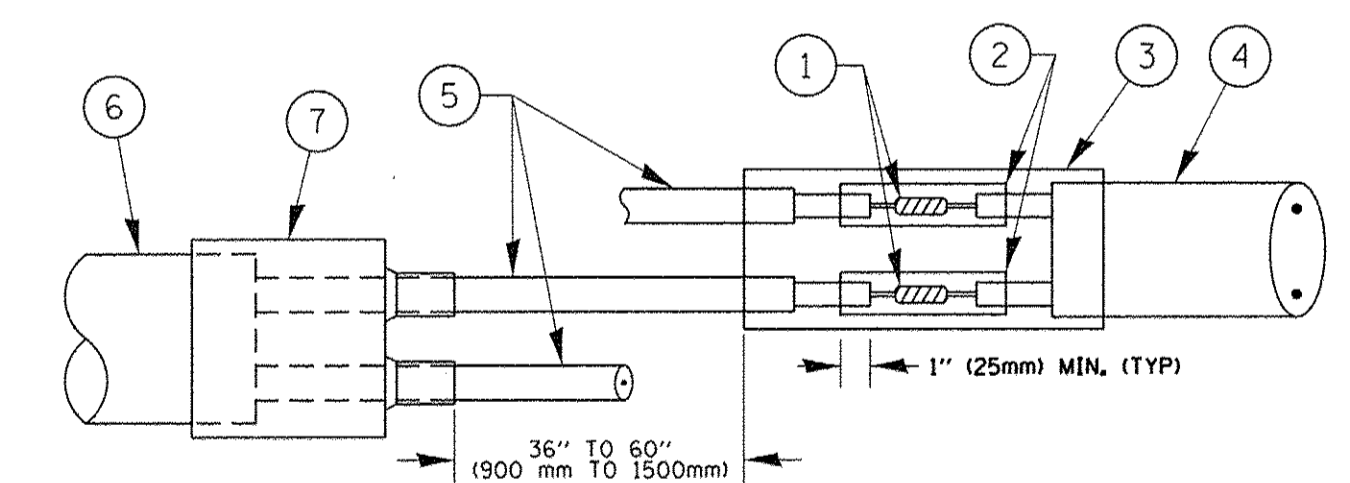


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE

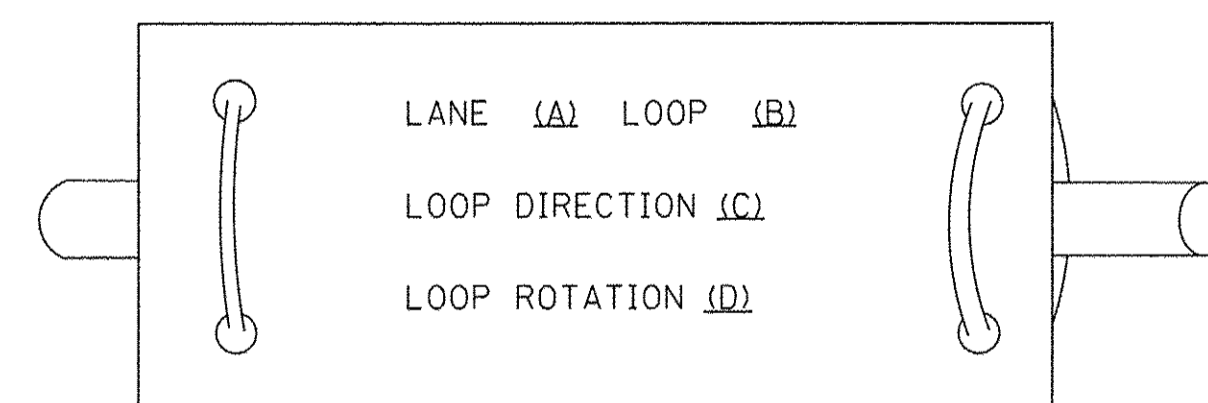


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PRE-FORMED LOOP**

**LOOP DETECTOR SPLICE**

**LOOP LEAD-IN CABLE TAG**



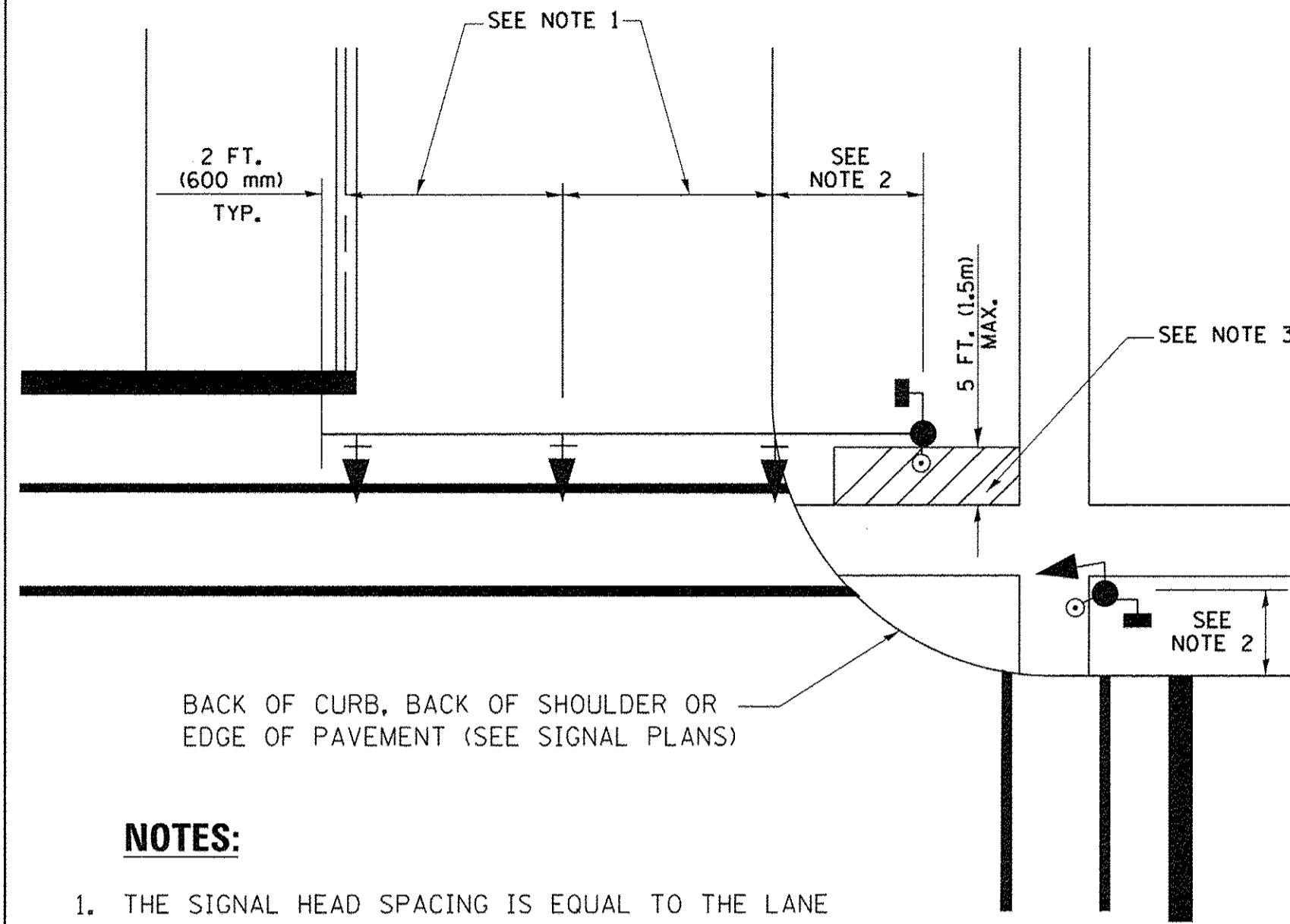
- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.

- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- PRE-FORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL



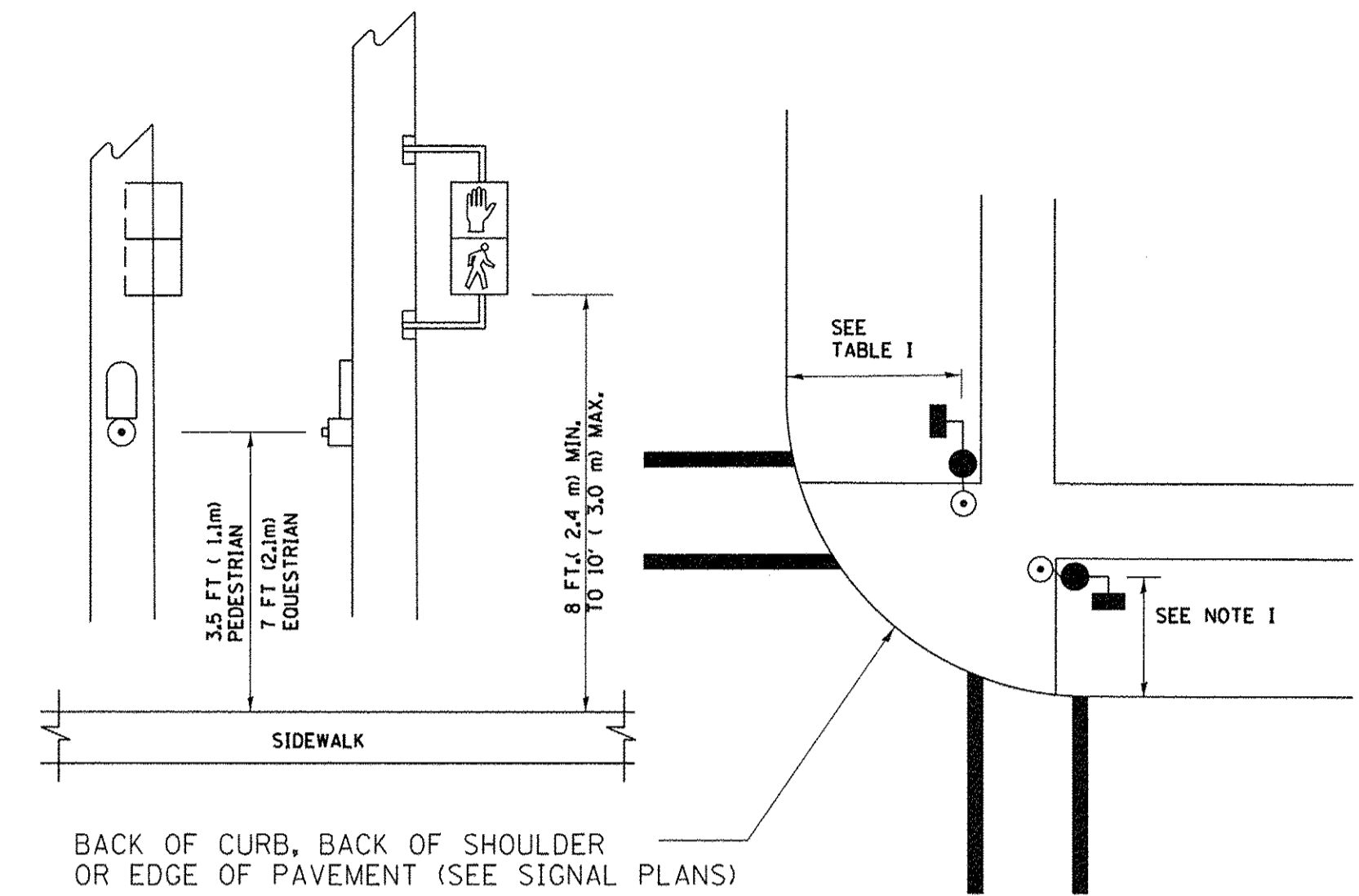
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

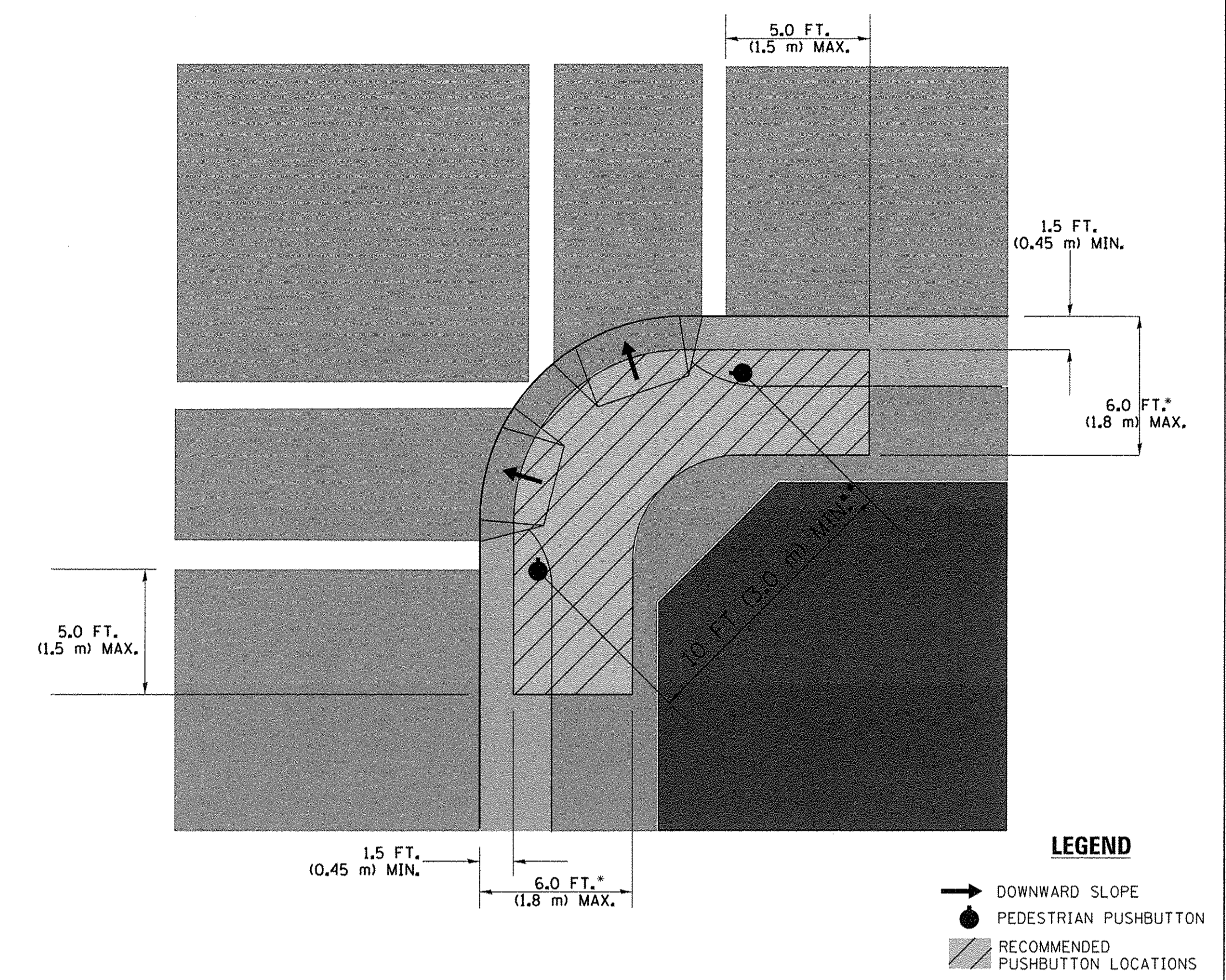
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

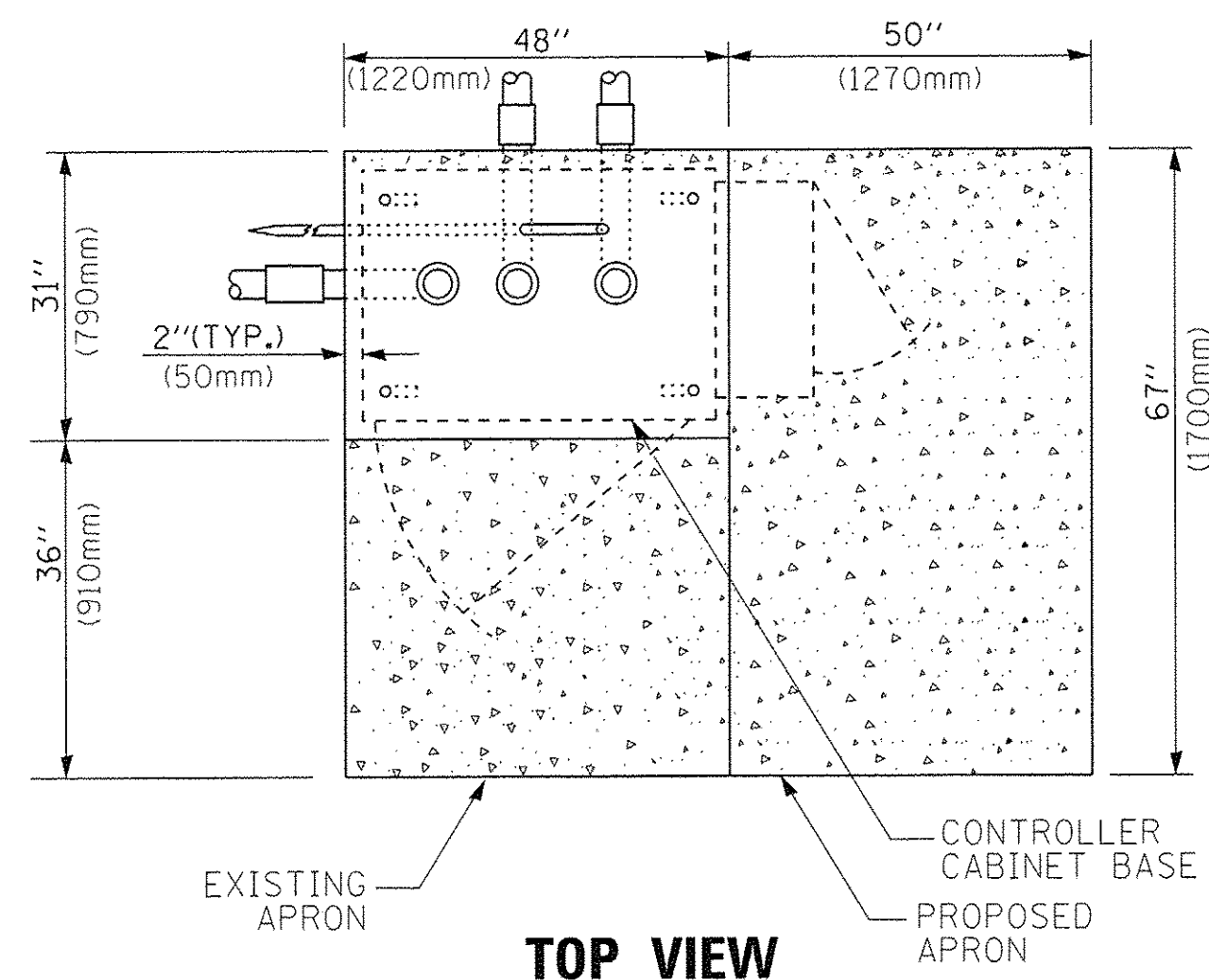
**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

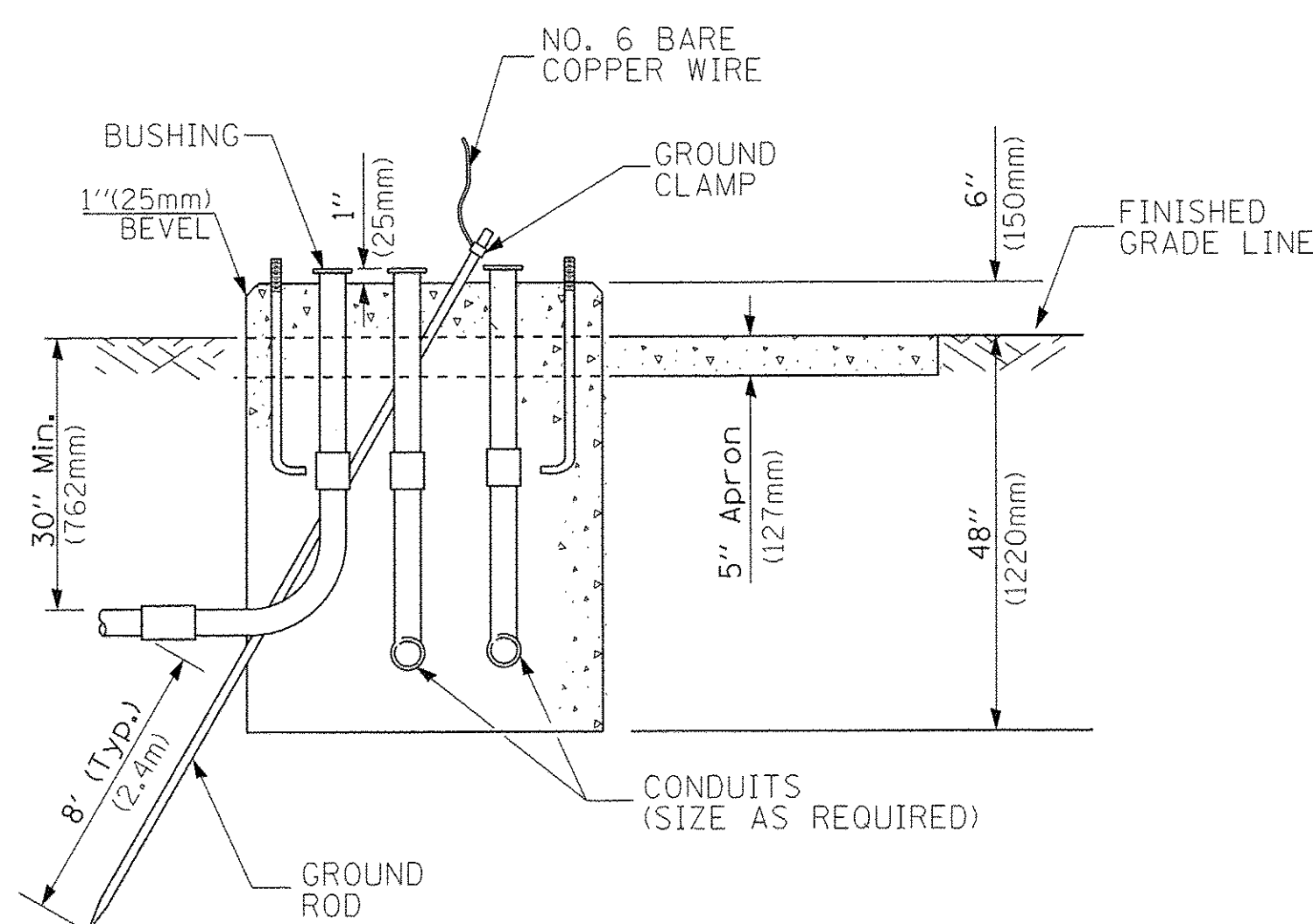




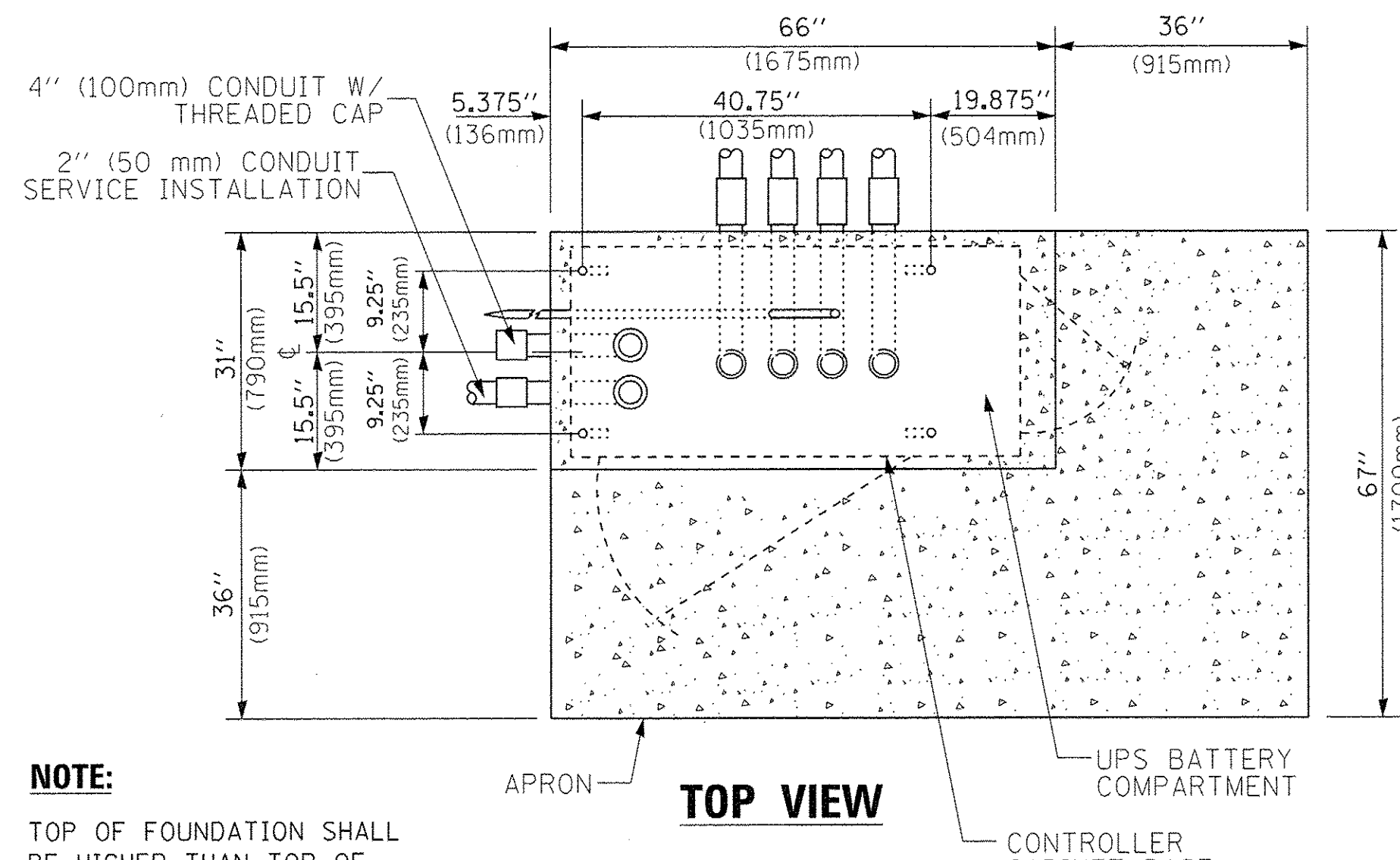




**TOP VIEW**

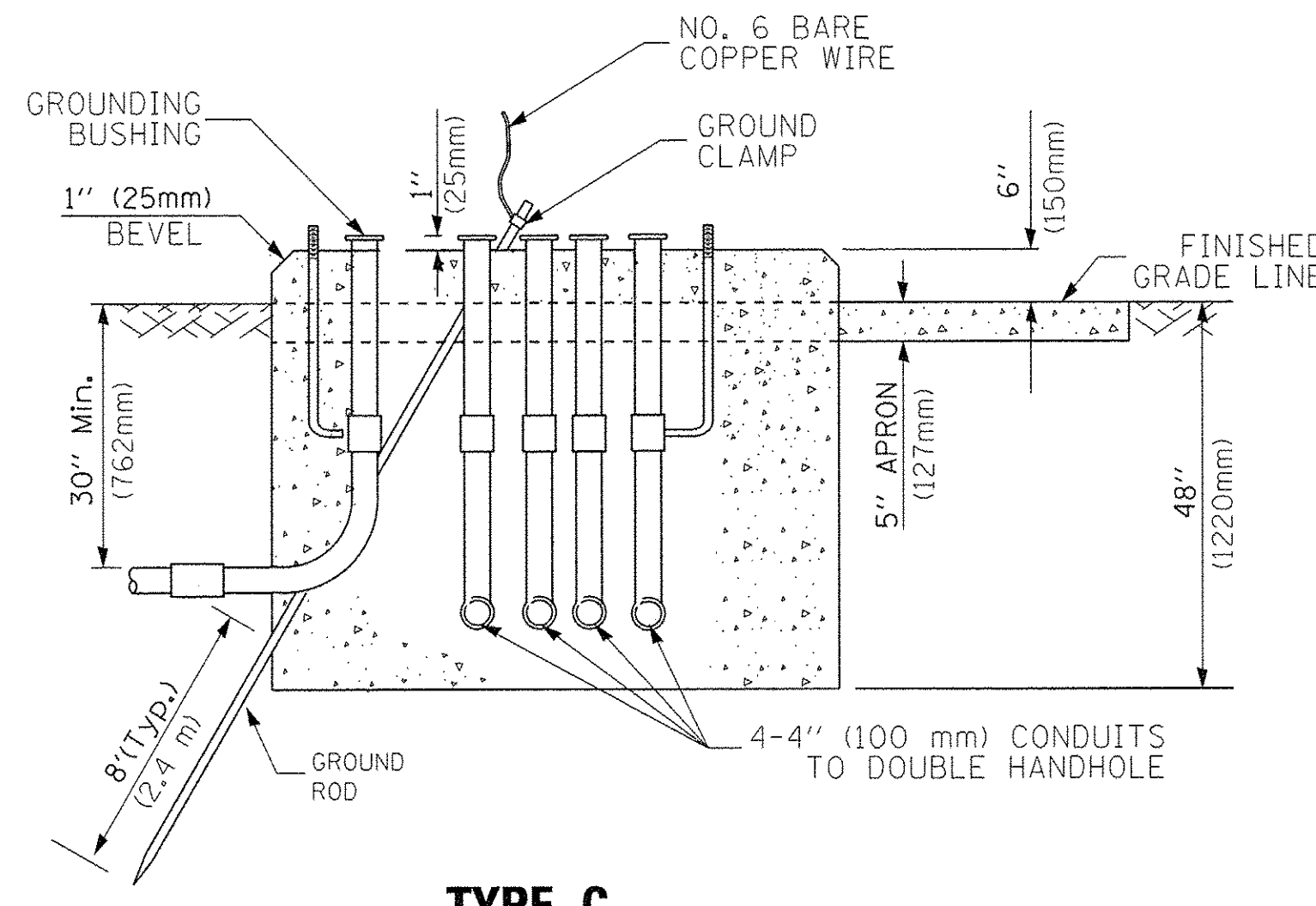


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

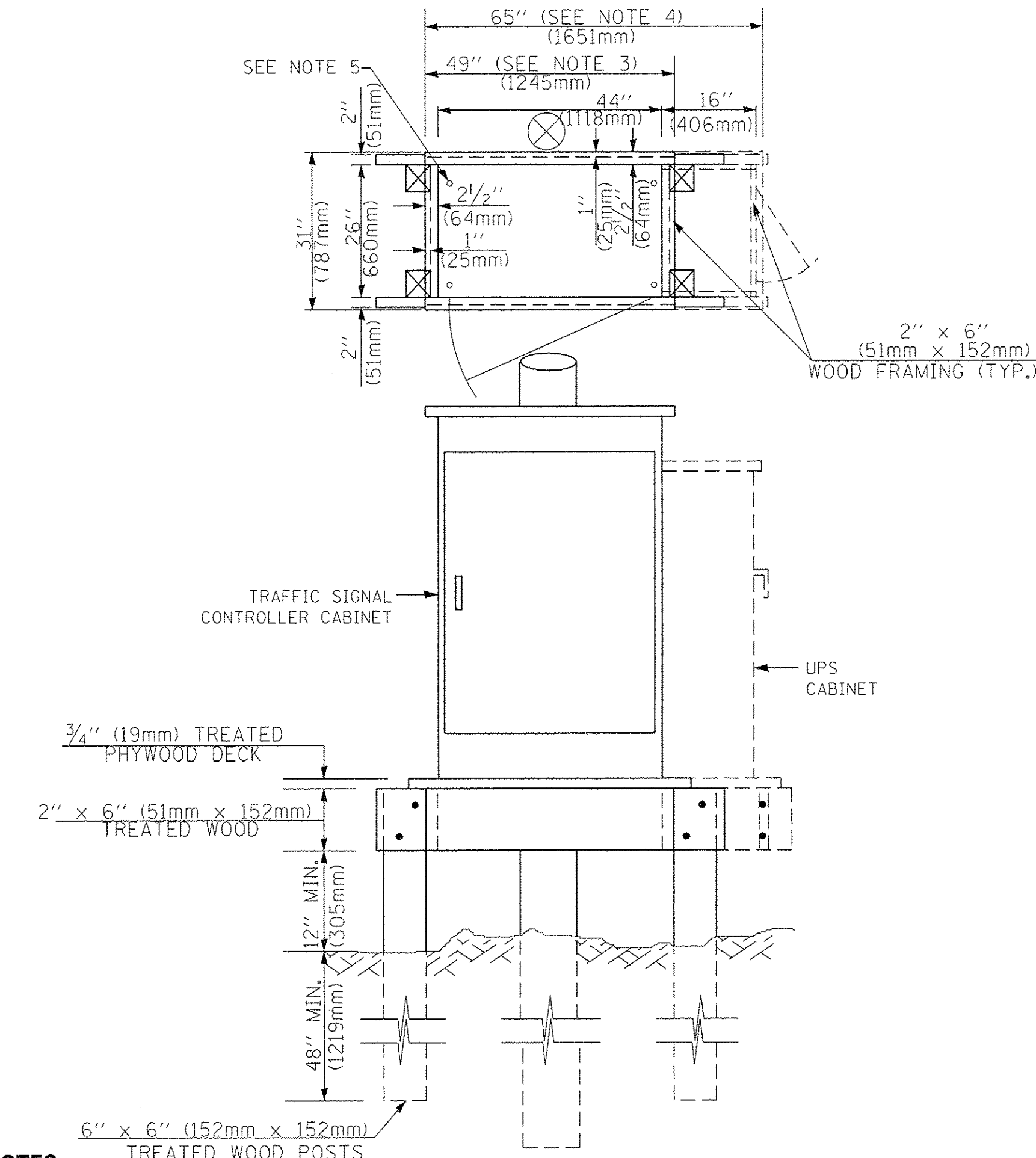


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS**



**NOTES:**

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

**VERTICAL CABLE LENGTH**

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

**DEPTH OF FOUNDATION**

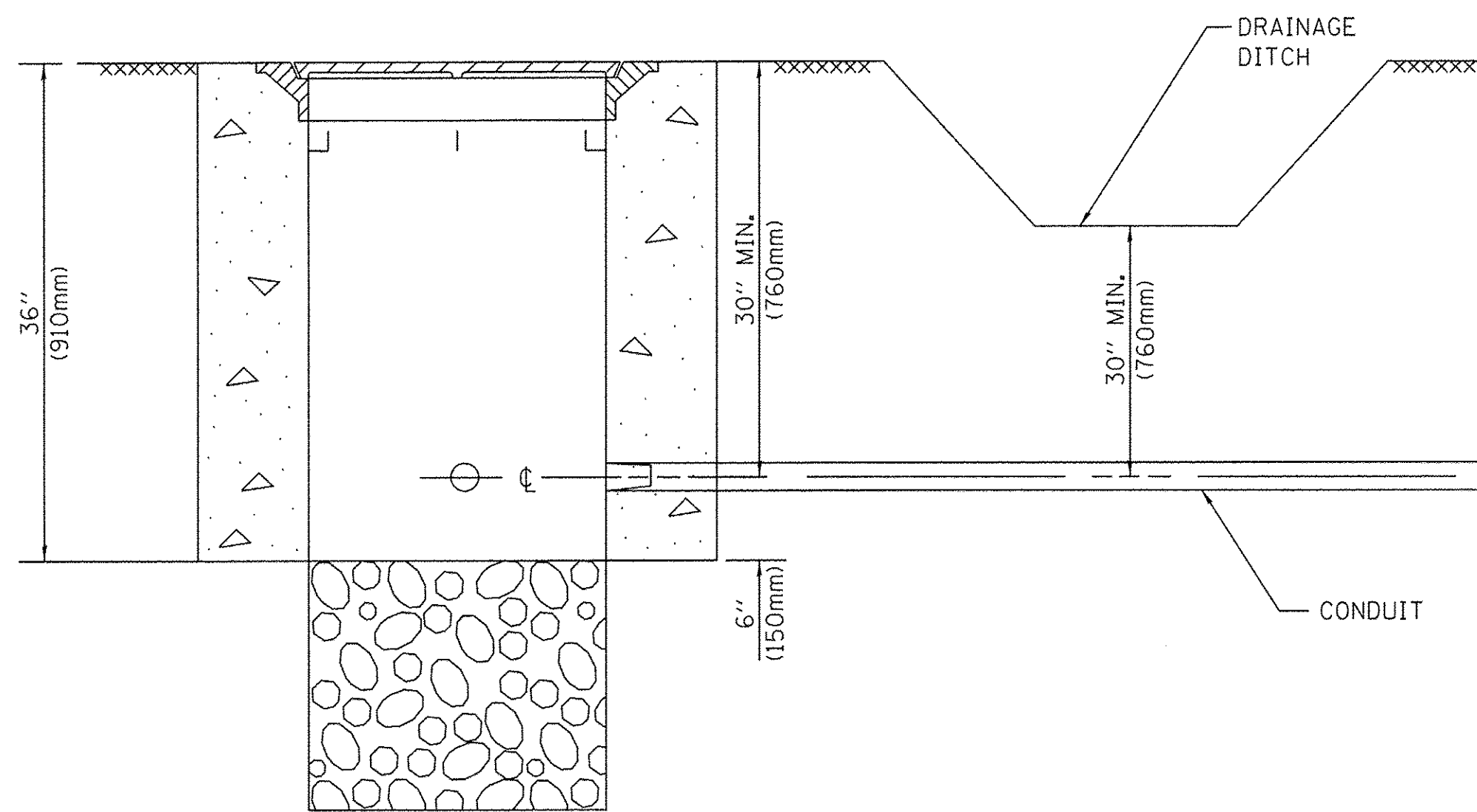
MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (qu) > 1.0 tsf (100 kPa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001.

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

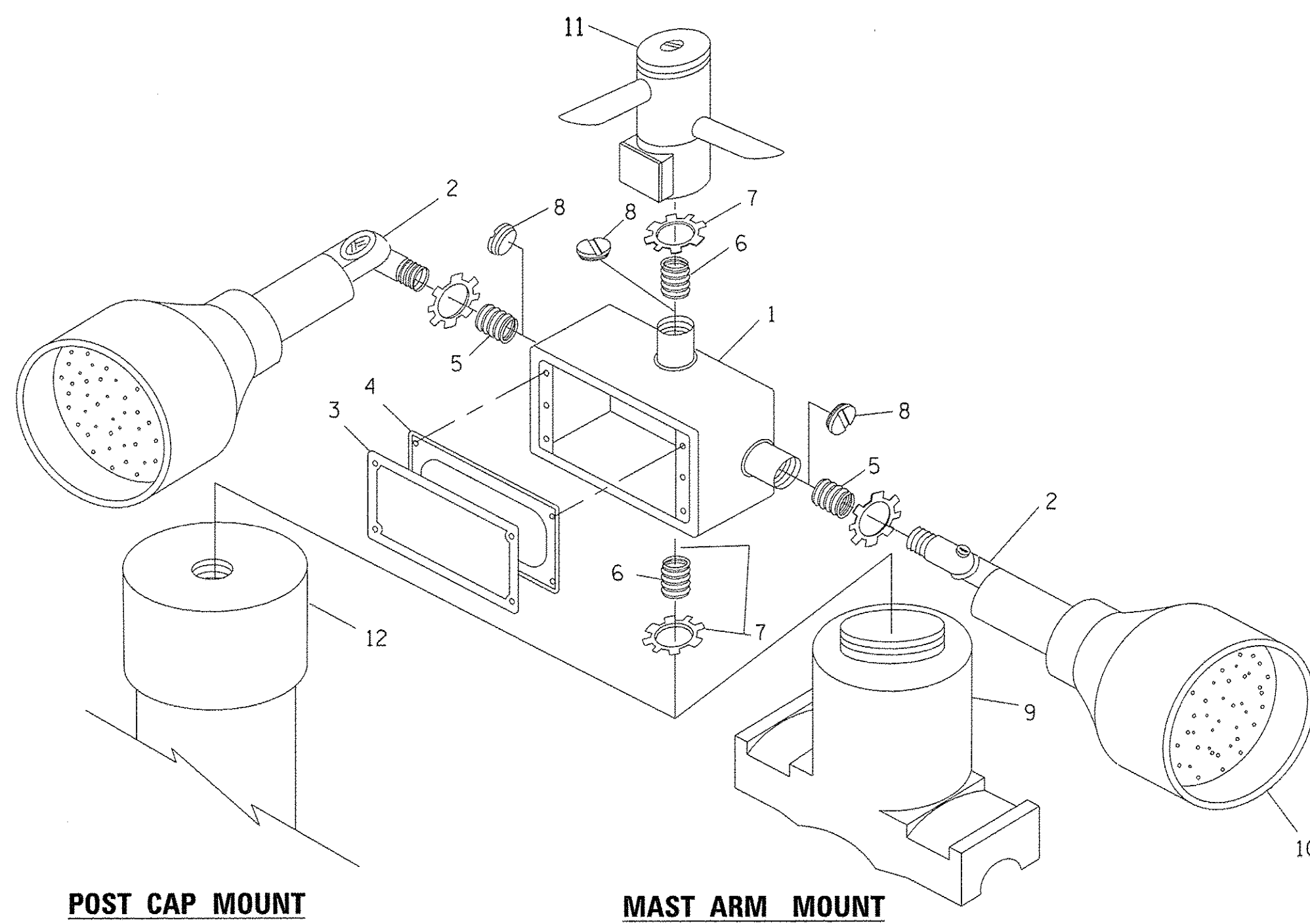




**NOTES:**

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

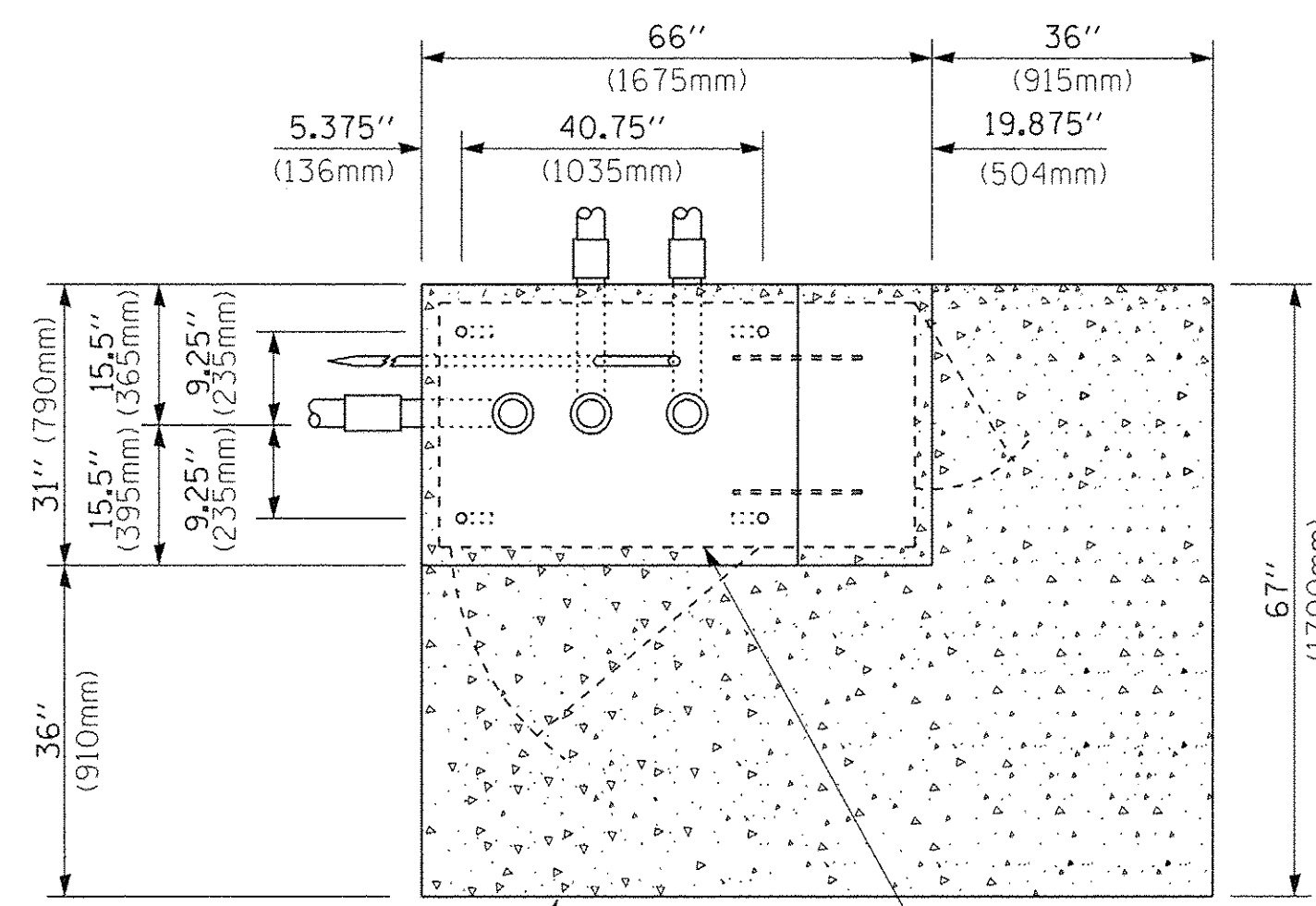
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



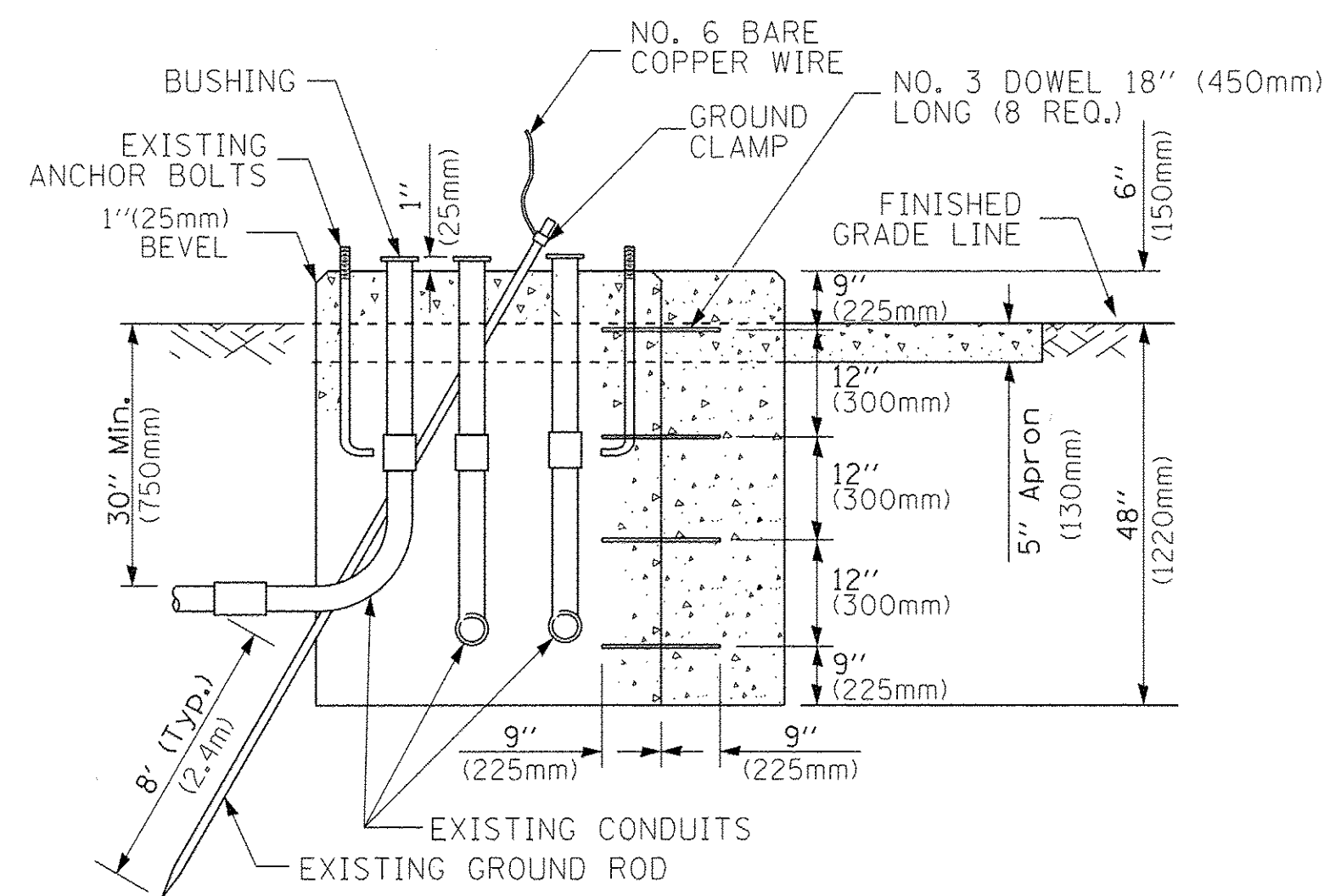
**POST CAP MOUNT**

**MAST ARM MOUNT**

**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW**  
(NOT TO SCALE)

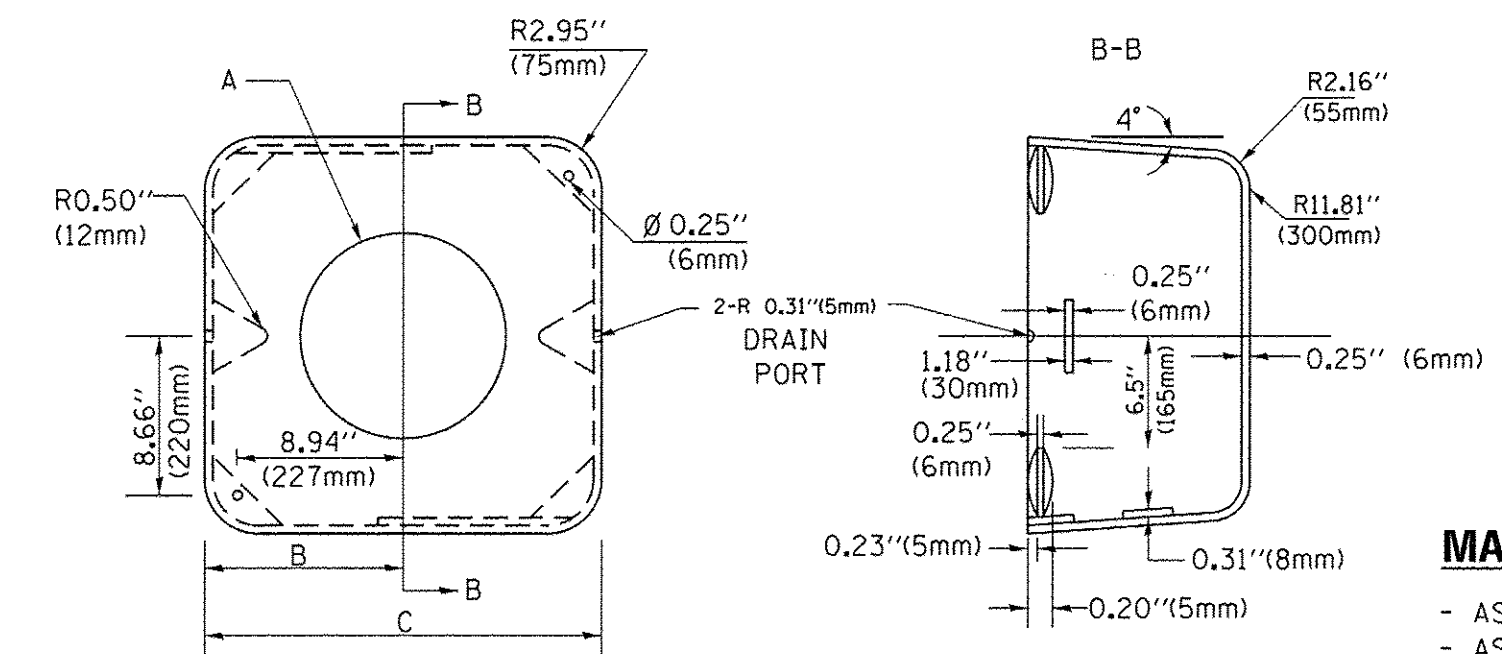


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CU. IN. (0.00344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**MATERIAL:**  
- ASTM A36 STEEL  
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

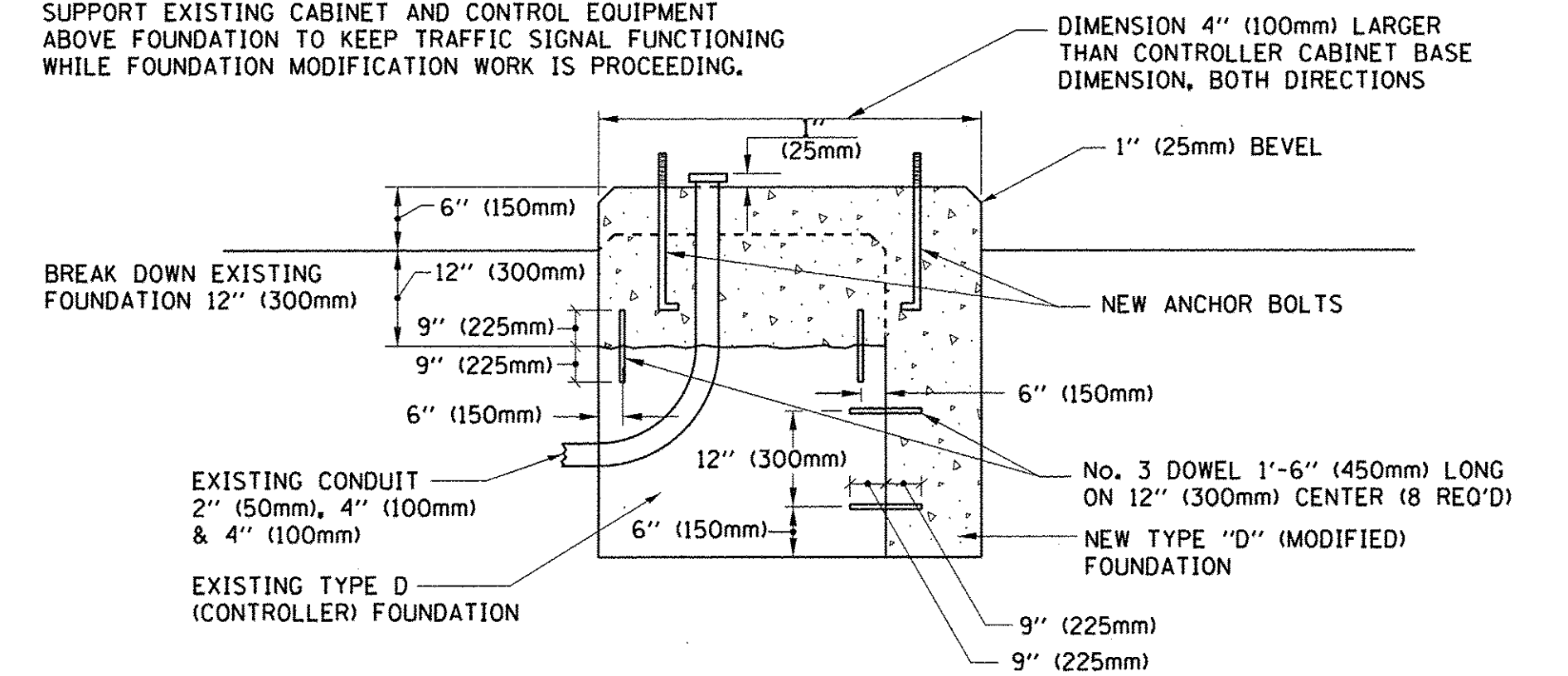
**SHROUD**

**NOTES:**

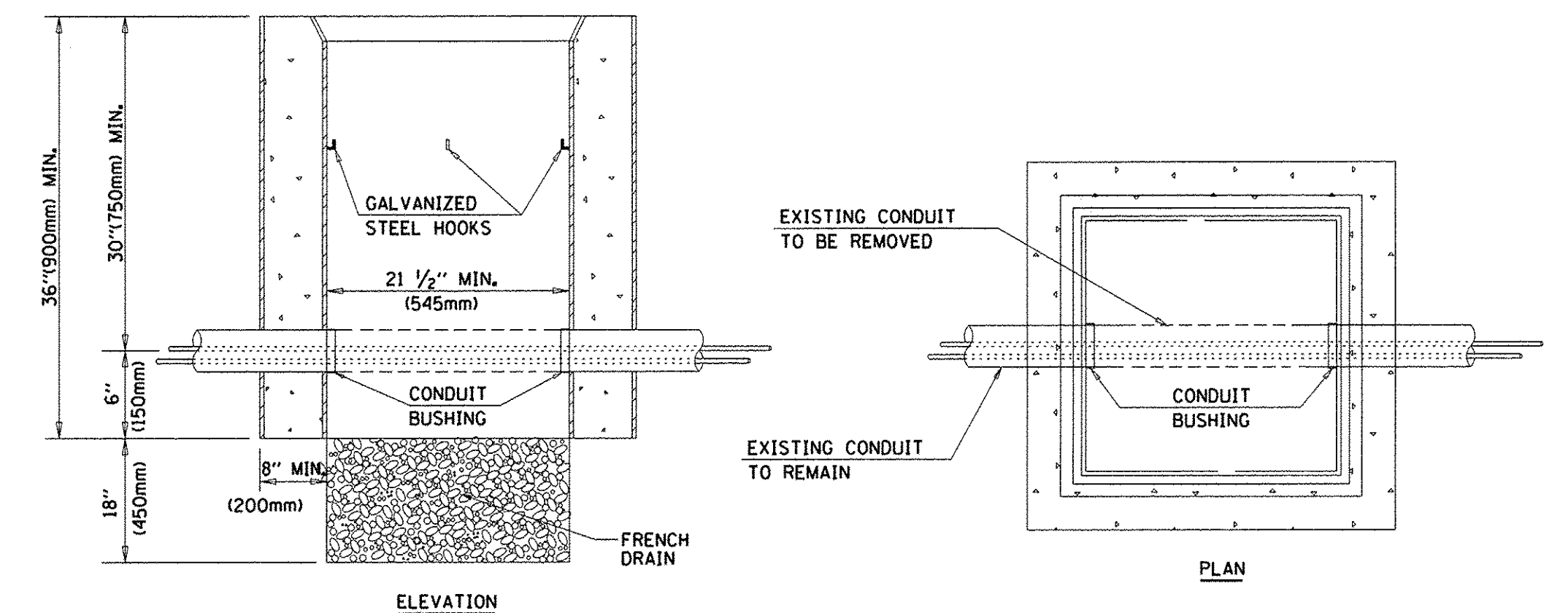
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

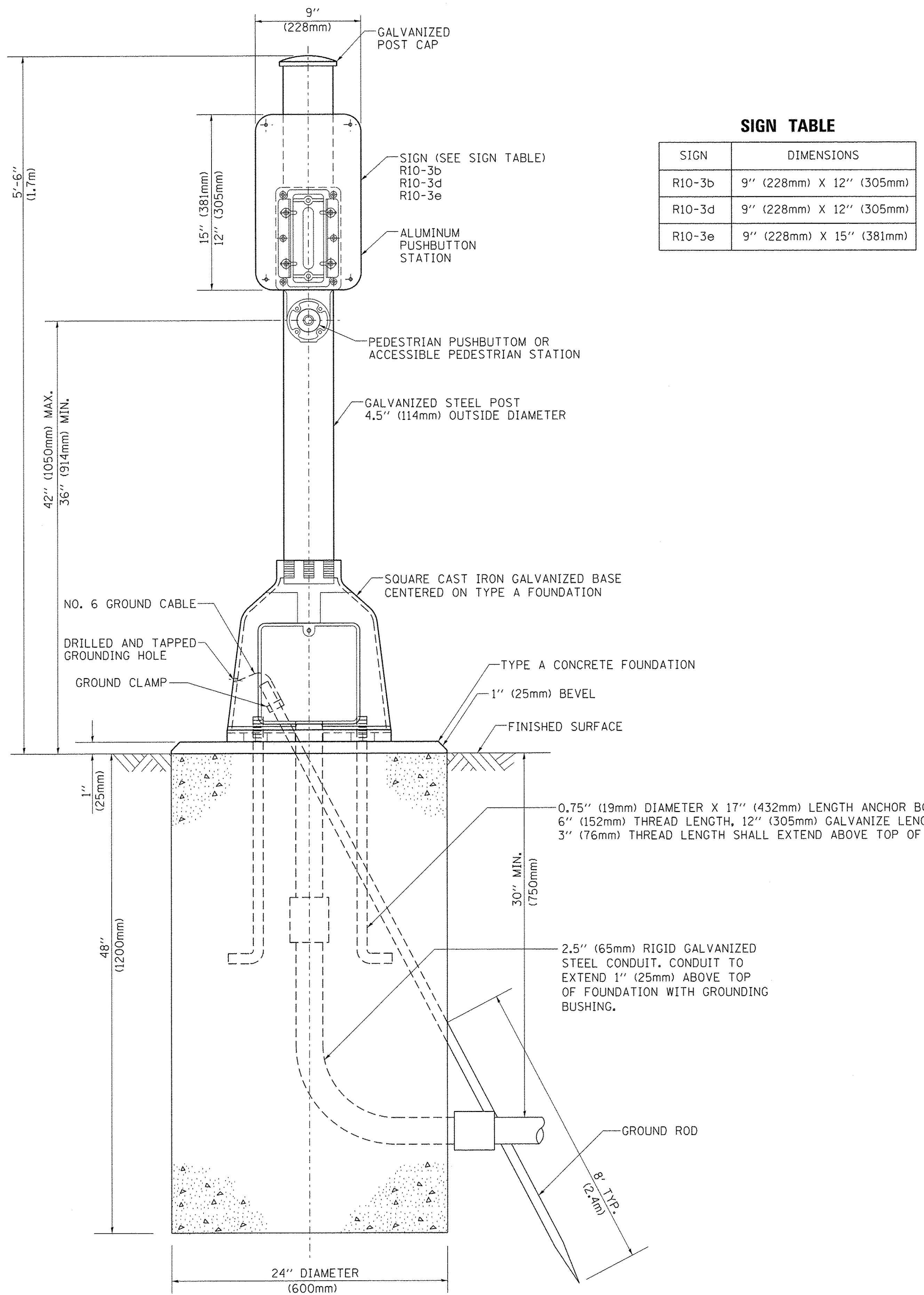
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

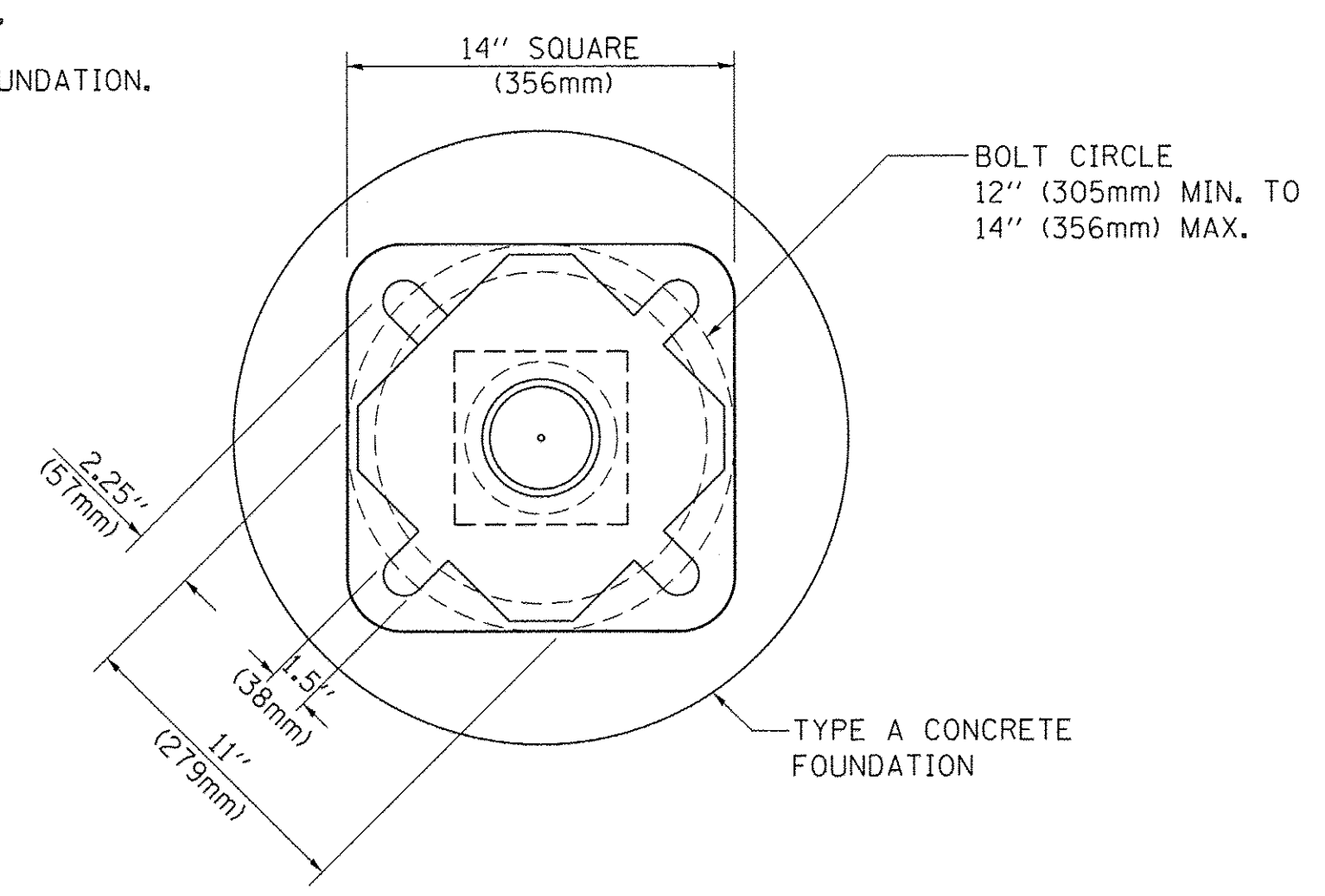
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	DUPAGE	78	64
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		





**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)

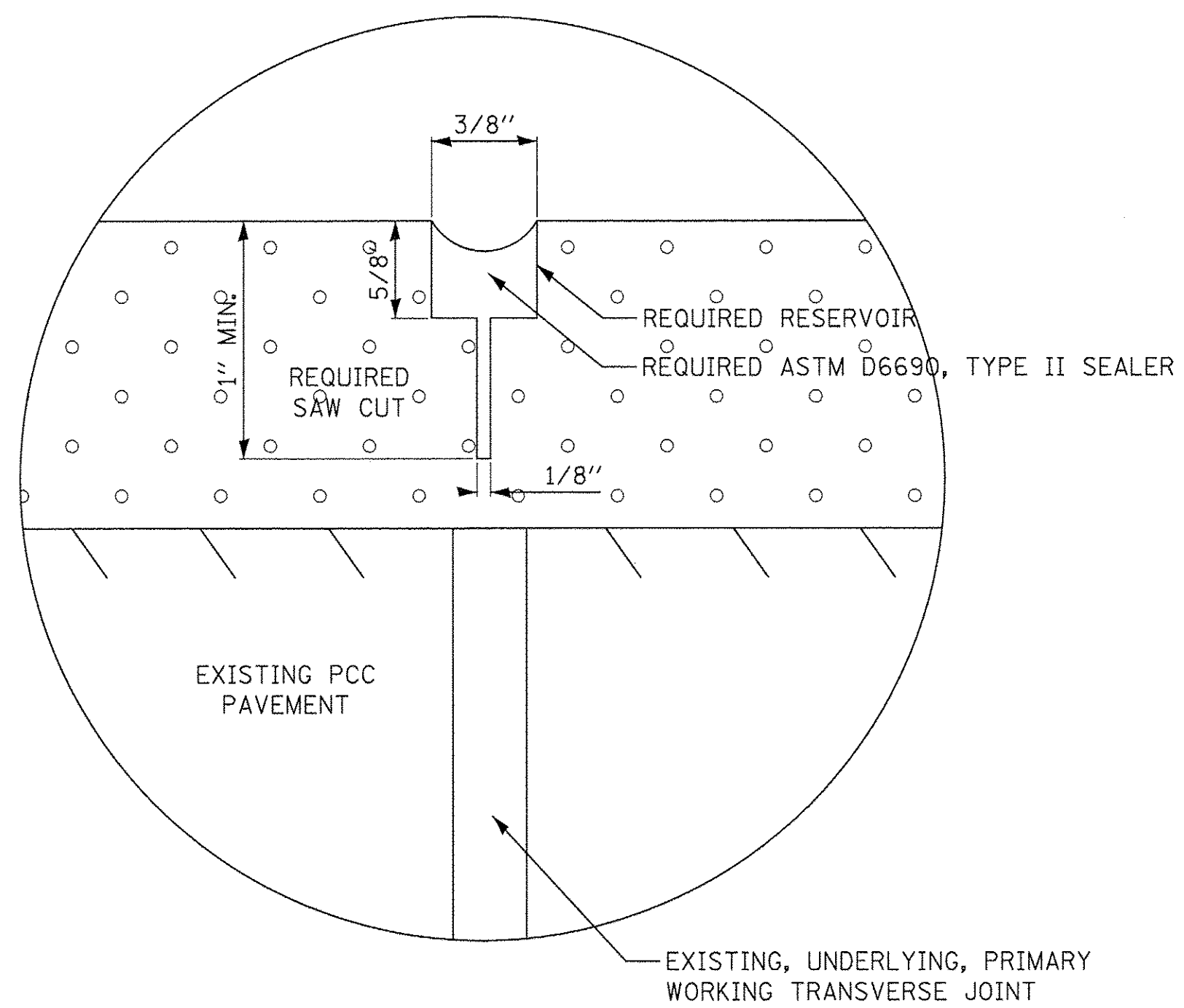


**BOLT PATTERN**  
**PEDESTRIAN PUSH BUTTON POST, TYPE A**



PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	BY		
	DATE		
	NO. OF PAGES		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	BY		
	DATE		
	NO. OF PAGES		
	FILE NAME		



**NOTES:**

1. SAW CUTTING AND ROUTING SHALL BE CENTERED OVER THE EXISTING PCC TRANSVERSE JOINTS.
2. HOT-POURED JOINT SEALER SHALL BE SUPPLIED ACCORDING TO ASTM D 6690, TYPE II AND ARTICLE 1050.02.
3. SEE SPECIAL PROVISIONS FOR FURTHER DETAILS.

**SAWCUT AND SEAL NEW JOINTS**



450 E Devon Ave, Suite 300  
 Itasca, Illinois 60143  
 Tel: 630.773.3900 Fax: 630.773.3975  
 www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/02/2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

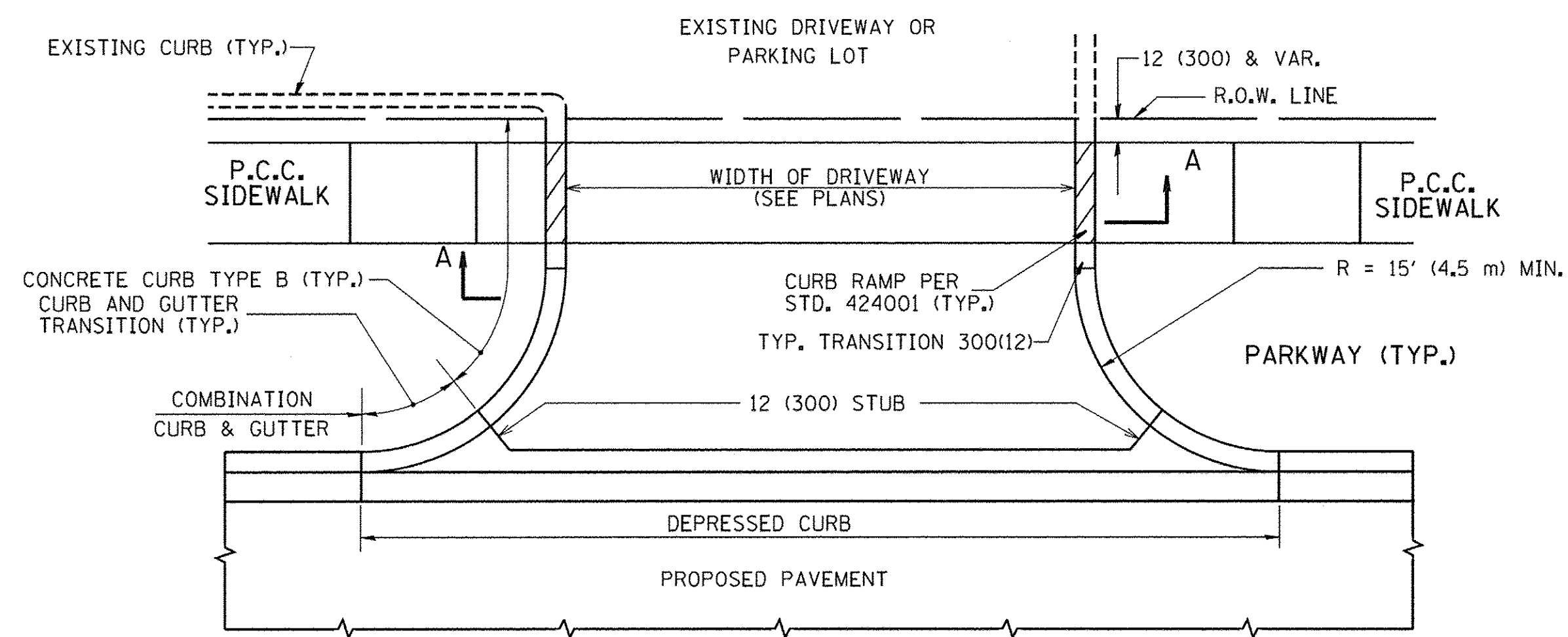
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**ROADWAY DETAILS**

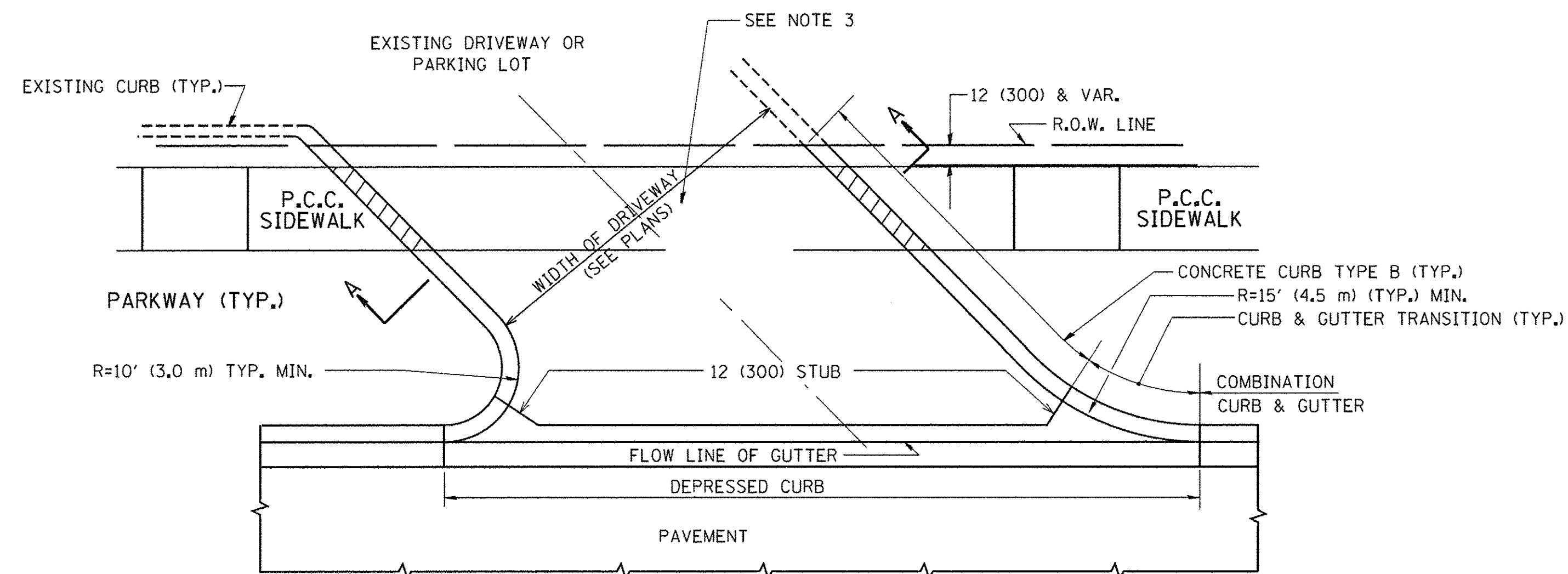
SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61D49				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

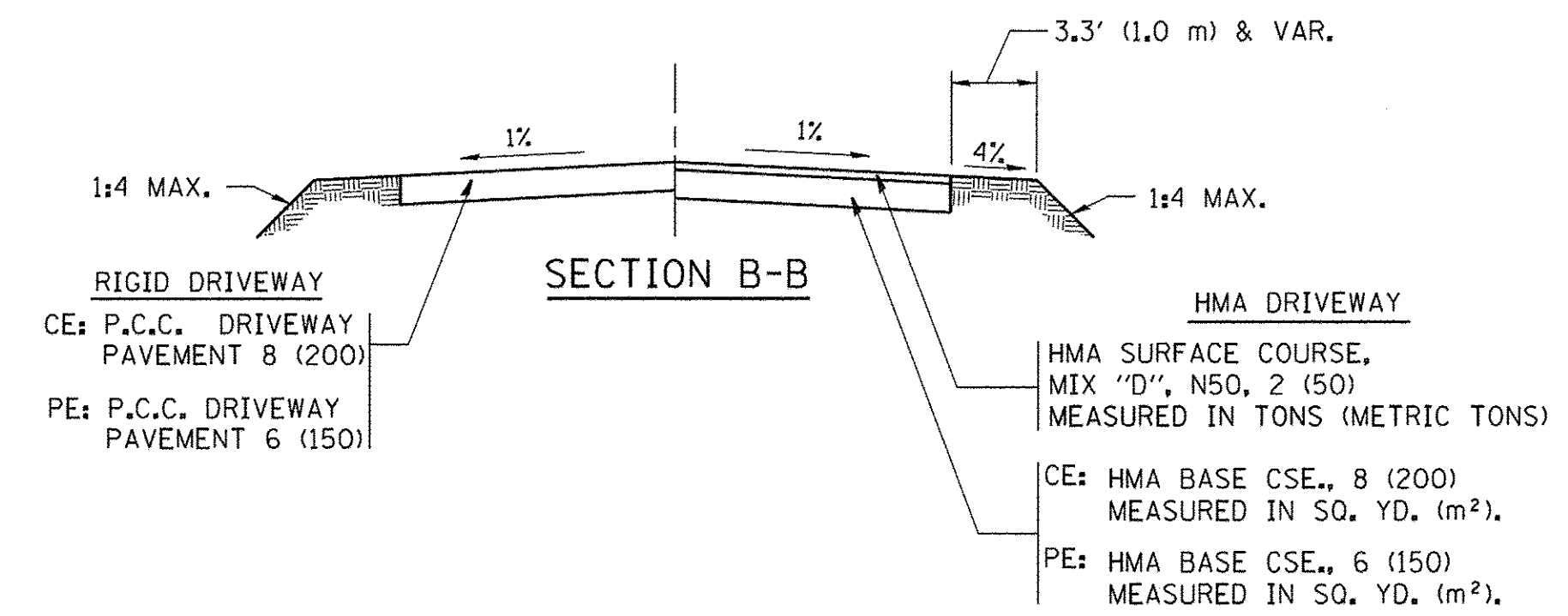
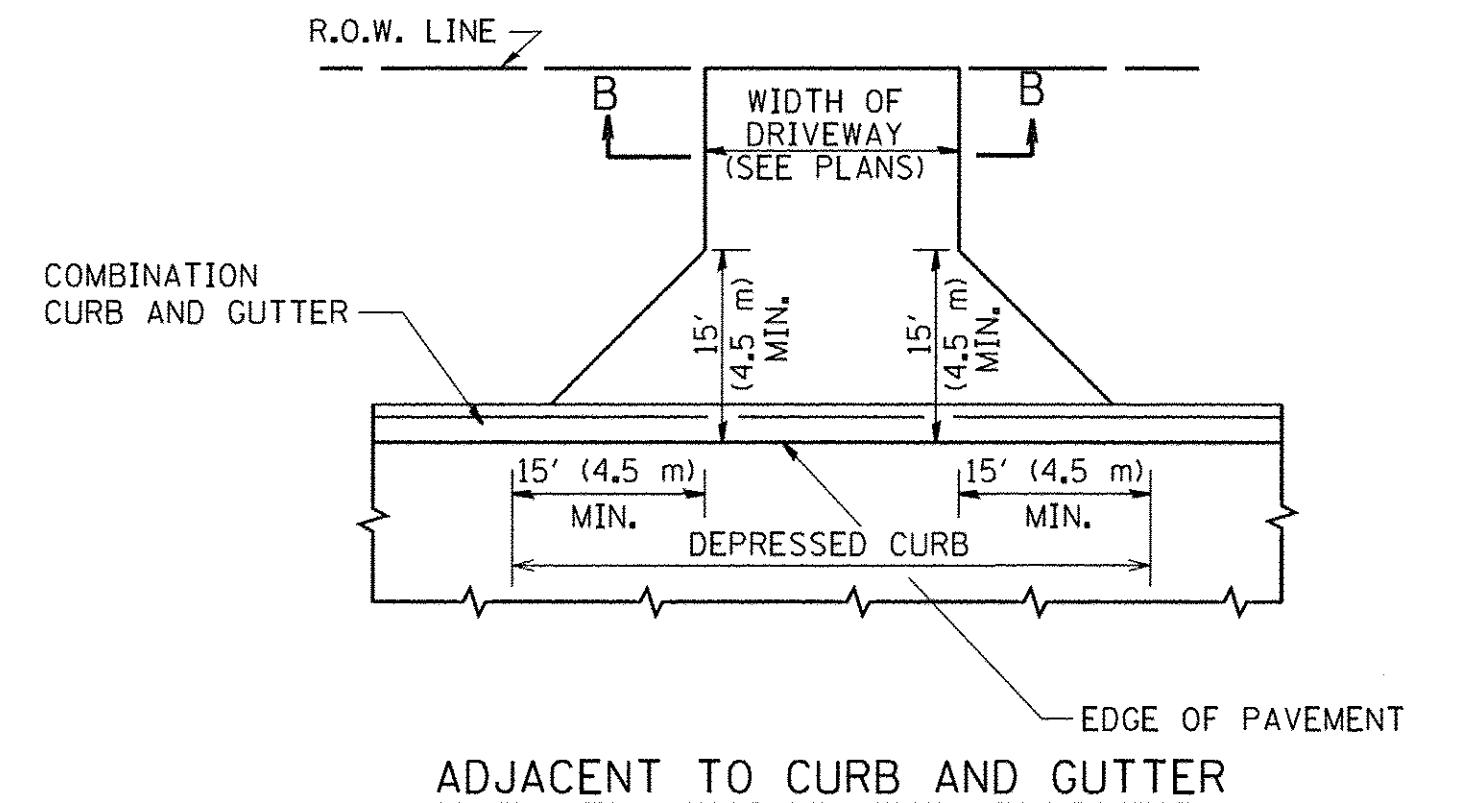
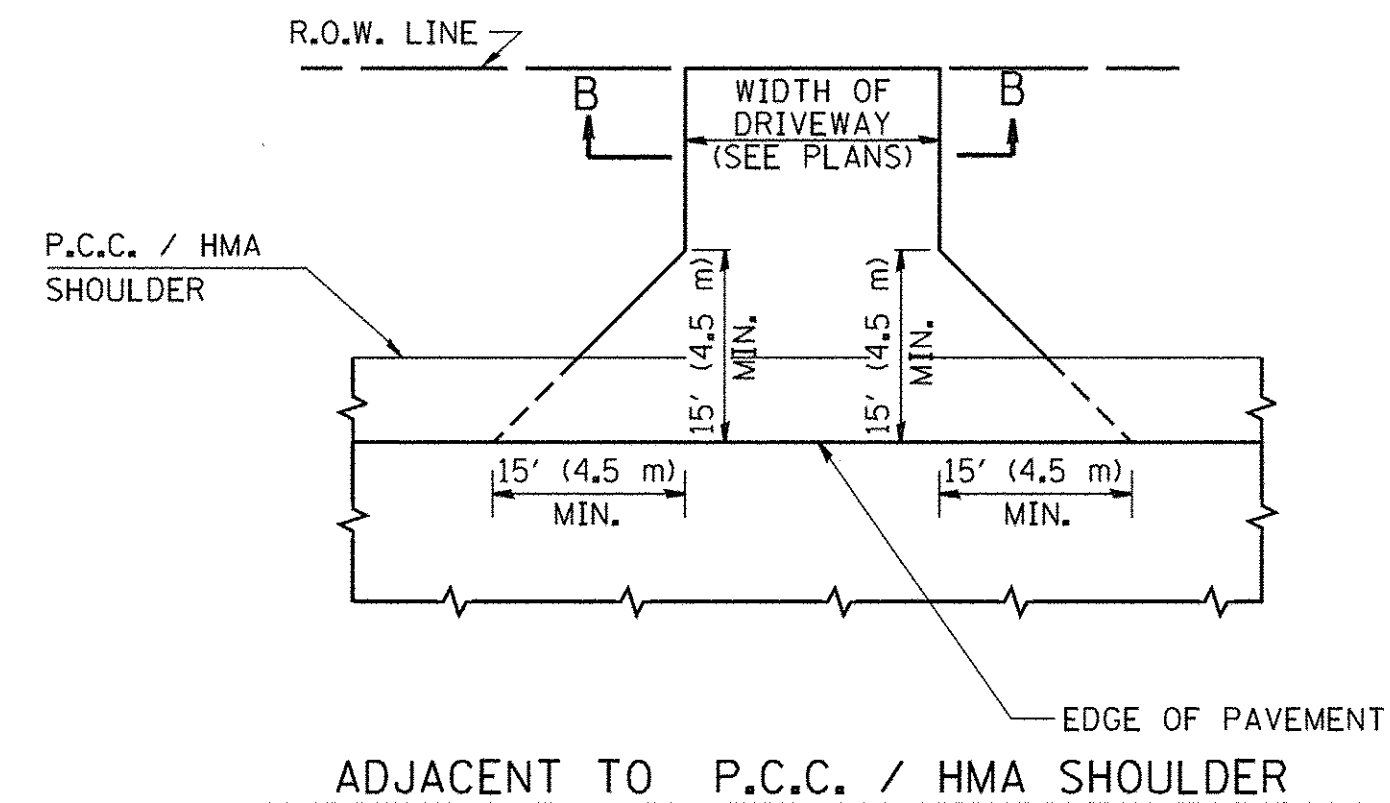
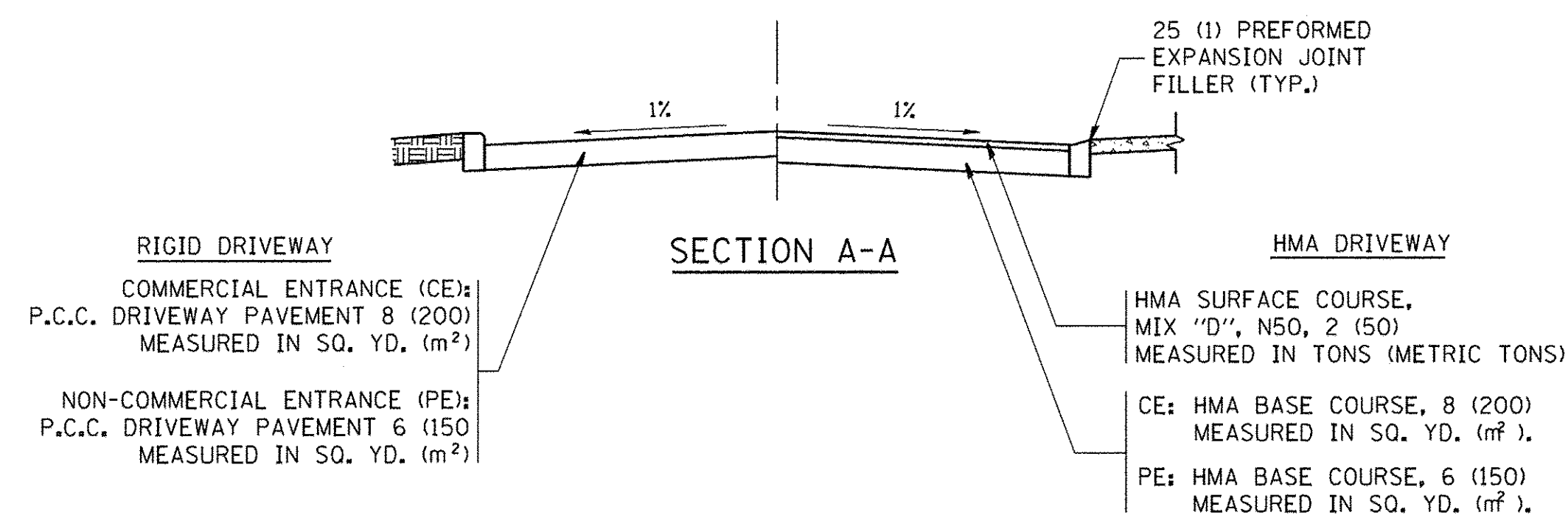




WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m<sup>2</sup>).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

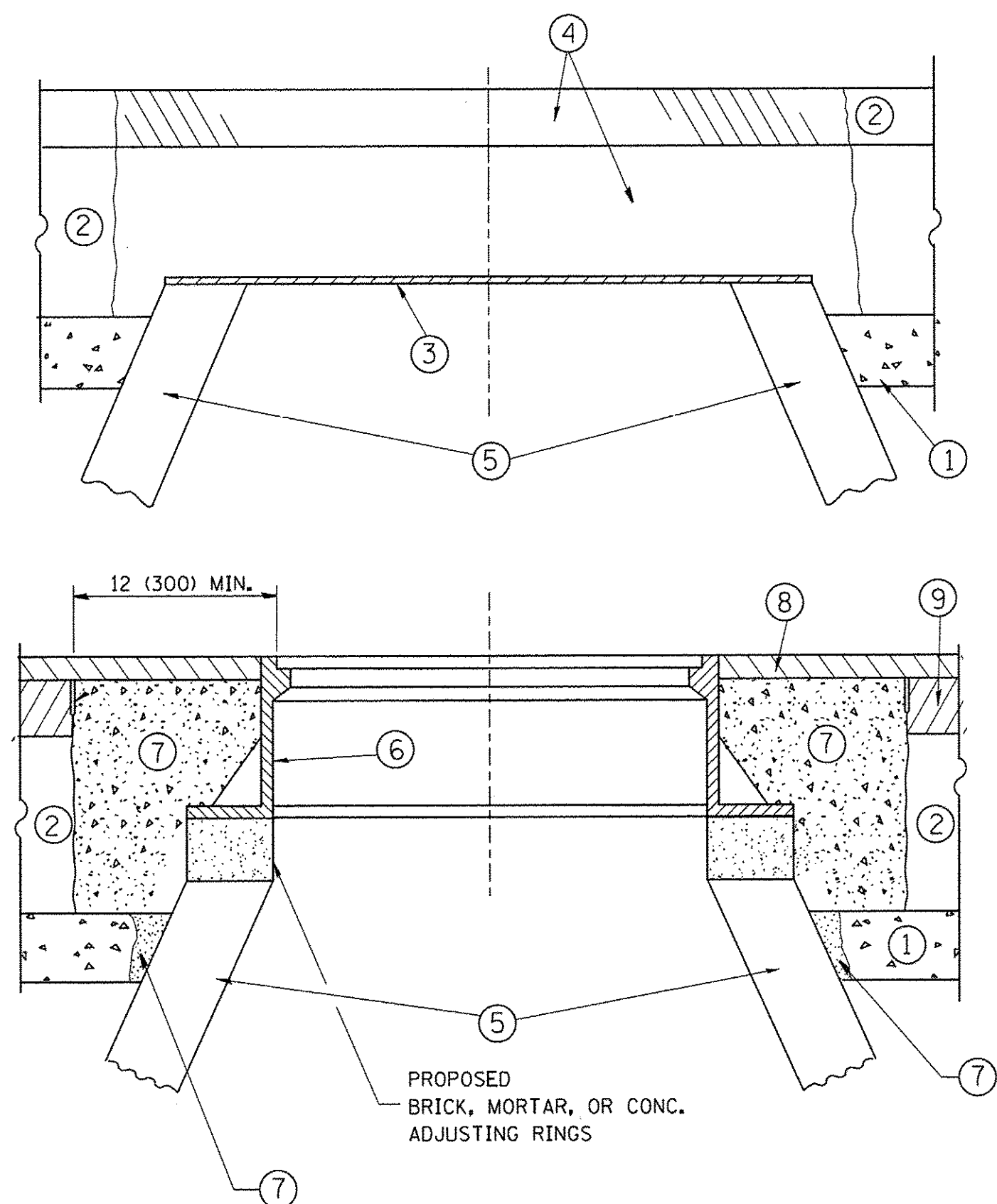
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		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE. 1084	SECTION 16-00186-00-RP	COUNTY	TOTAL SHEETS 78	SHEET NO. 67
BD0156-07 (BD-01)		CONTRACT NO. 61D49		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1\* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

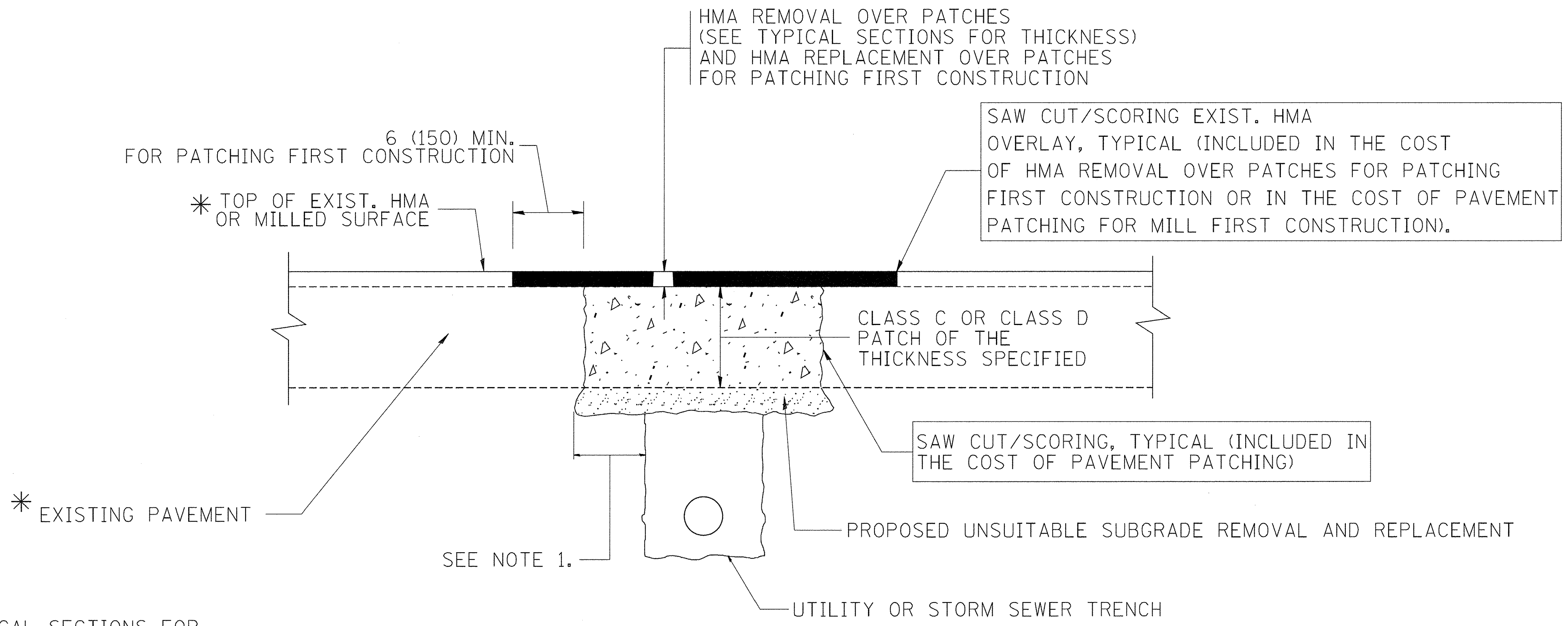
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	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	68
<b>BD600-03 (BD-8)</b>			CONTRACT NO. 61D49	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

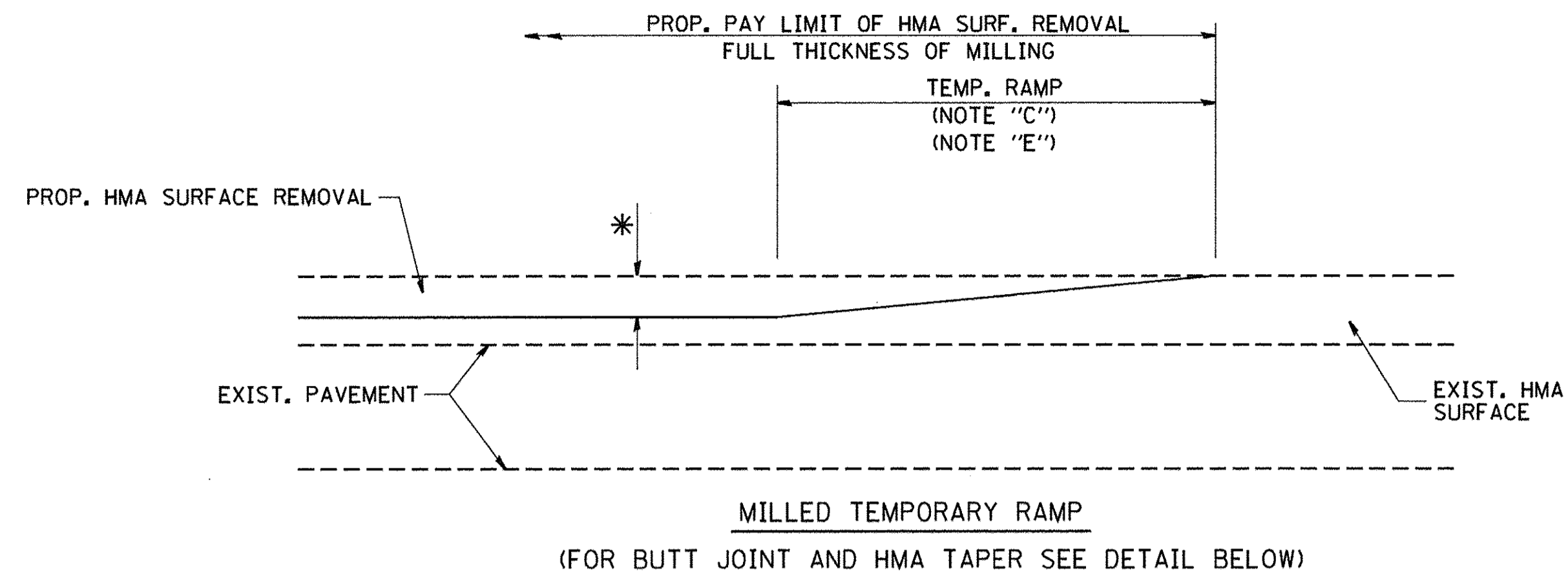
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = cr\projects\diststd22x34\bd22.dgn	USER NAME = bouerd1	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07			1084	16-00186-00-RP	DUPAGE	78	69
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08			<b>BD400-04 (BD-22)</b>		CONTRACT NO. 61D49		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT

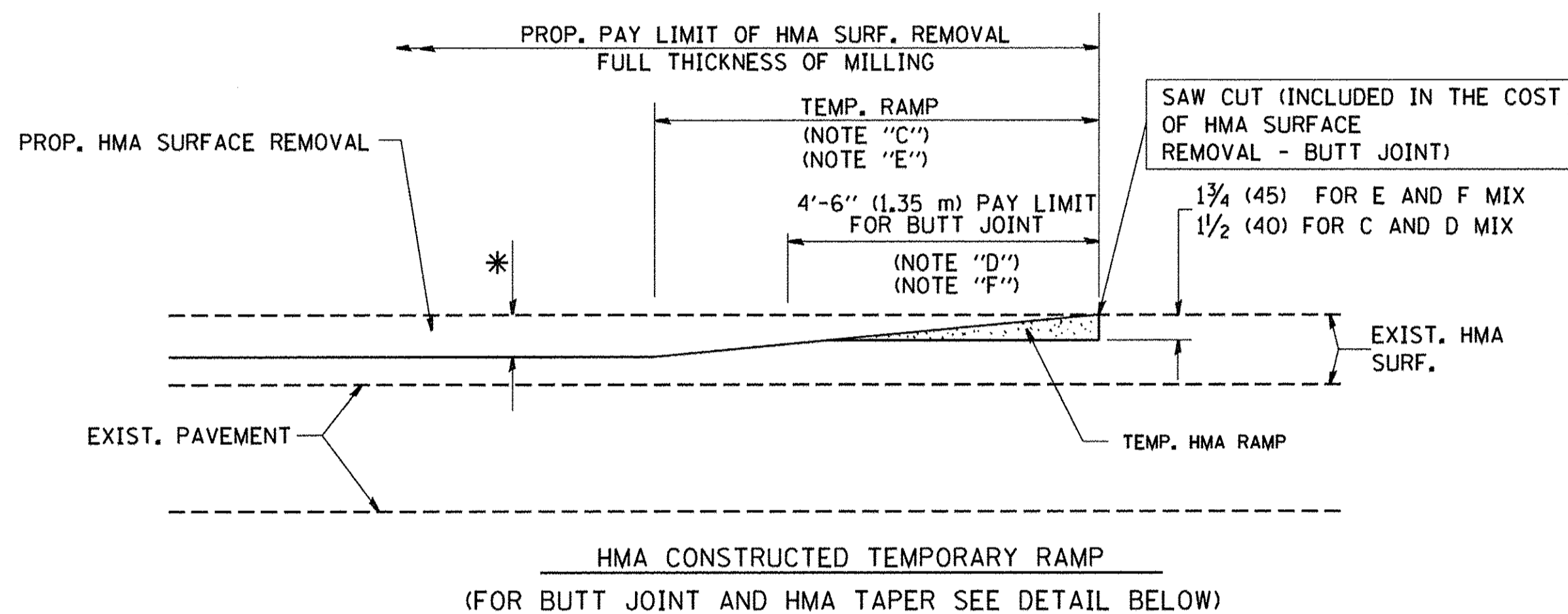






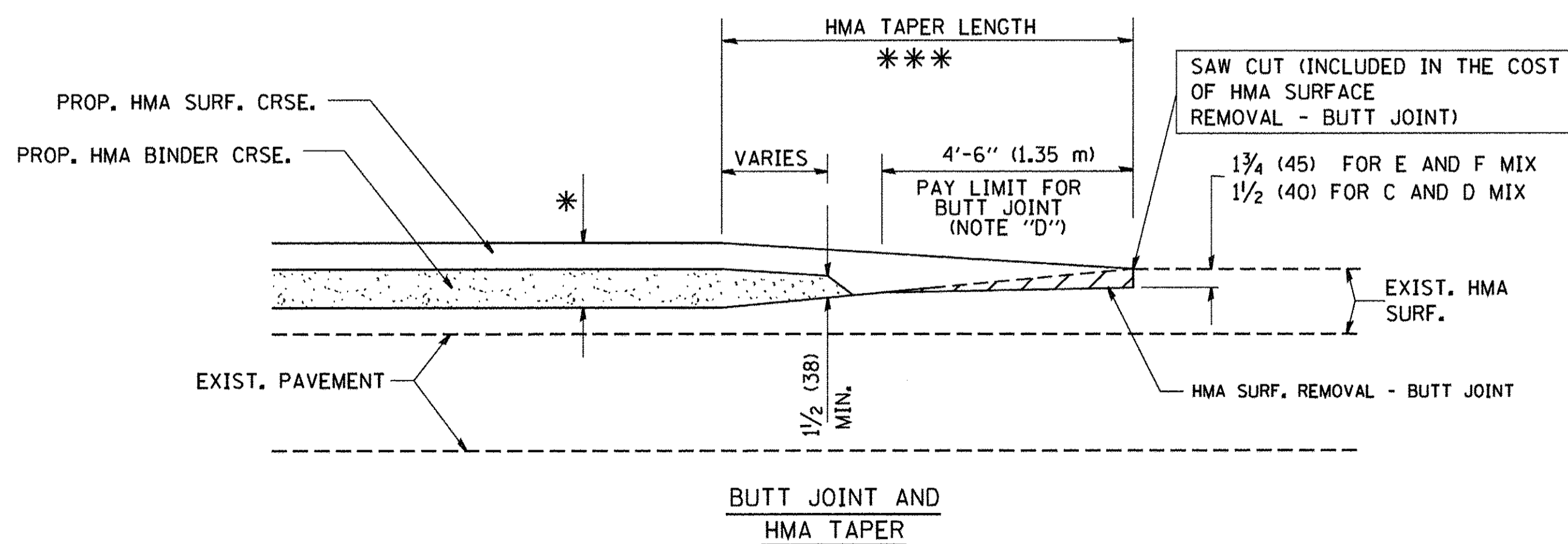


**OPTION 1**

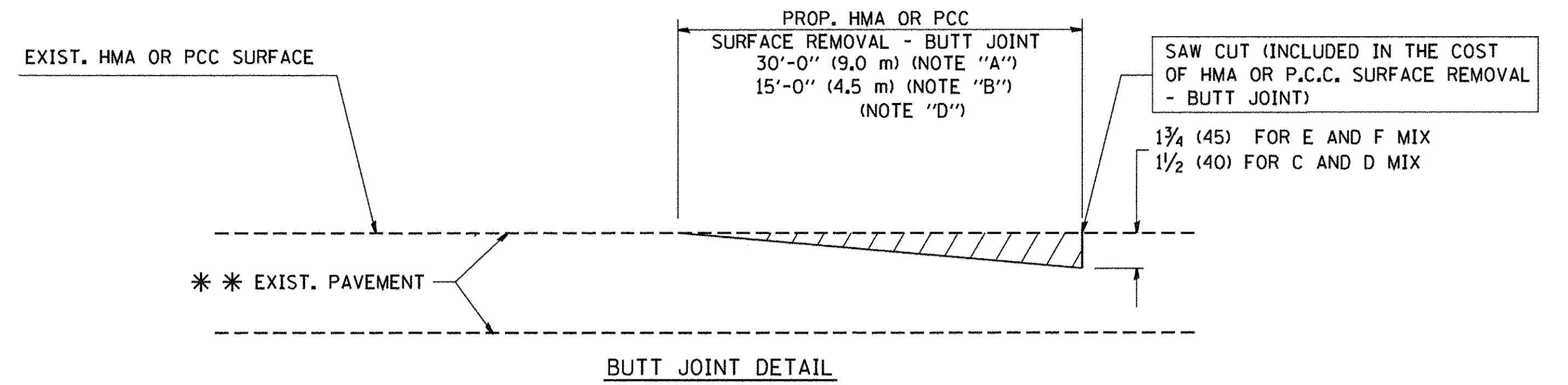


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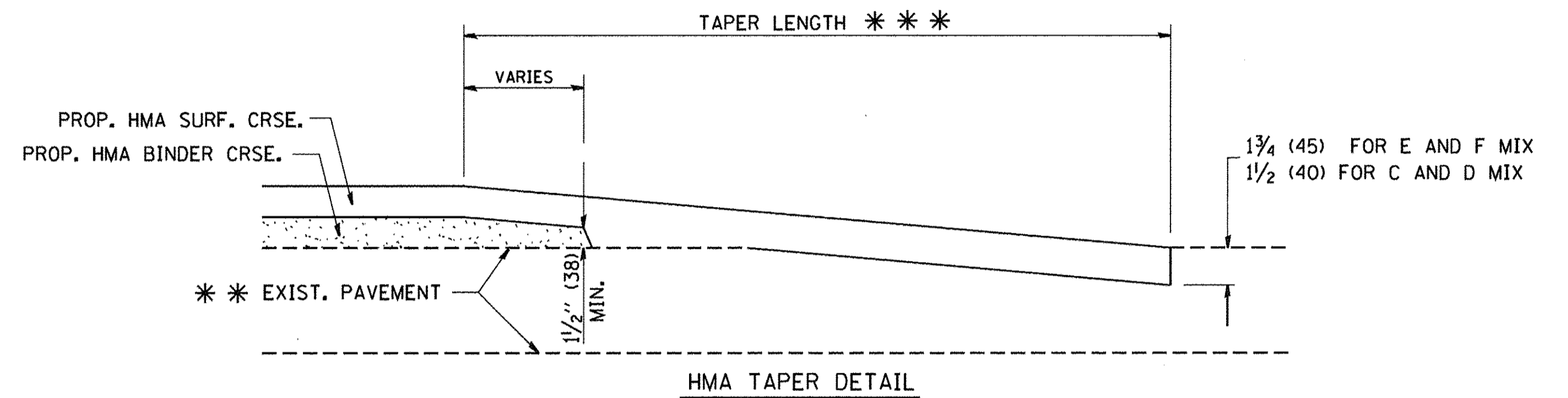
**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT:**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\dists\td\22x34\bd32.dgn

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 PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG  
 DRAWN -  
 CHECKED -  
 DATE - 06-13-90

REVISED - R. SHAH 10-25-94  
 REVISED - A. ABBAS 03-21-97  
 REVISED - M. GOMEZ 04-06-01  
 REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

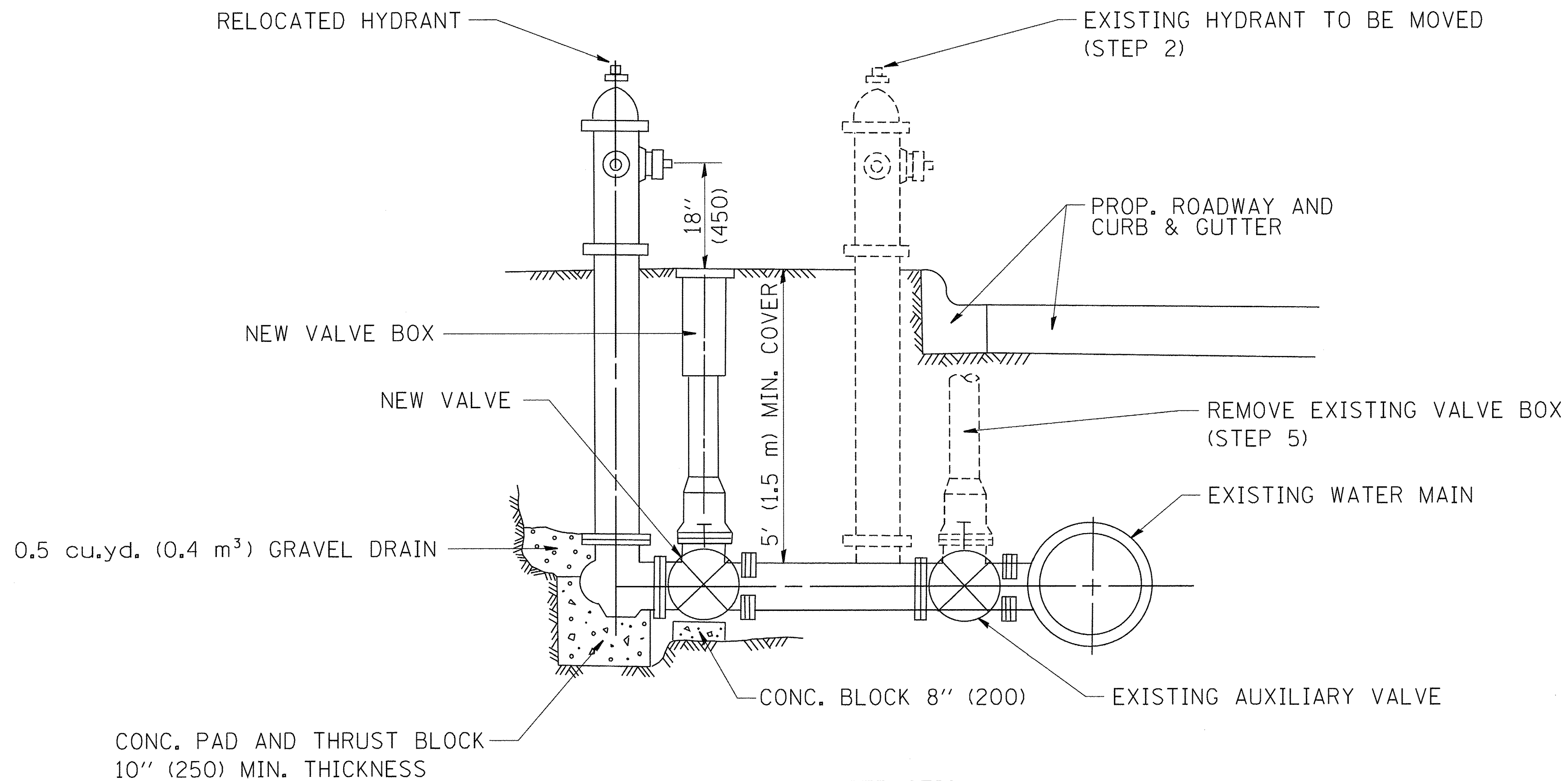
**BUTT JOINT AND  
 HMA TAPER DETAILS**  
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	71
BD400-05 BD32			CONTRACT NO. 61D49	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				









SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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USER NAME = gaglionobt

DESIGNED -

DRAWN -

PLOT SCALE = 50.0000' / 1"

PLOT DATE = 1/4/2008

CHECKED -

DATE -

REVISED - R. SHAH 09-09-94

REVISED - R. SHAH 10-25-94

REVISED -

REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED

SCALE: NONE

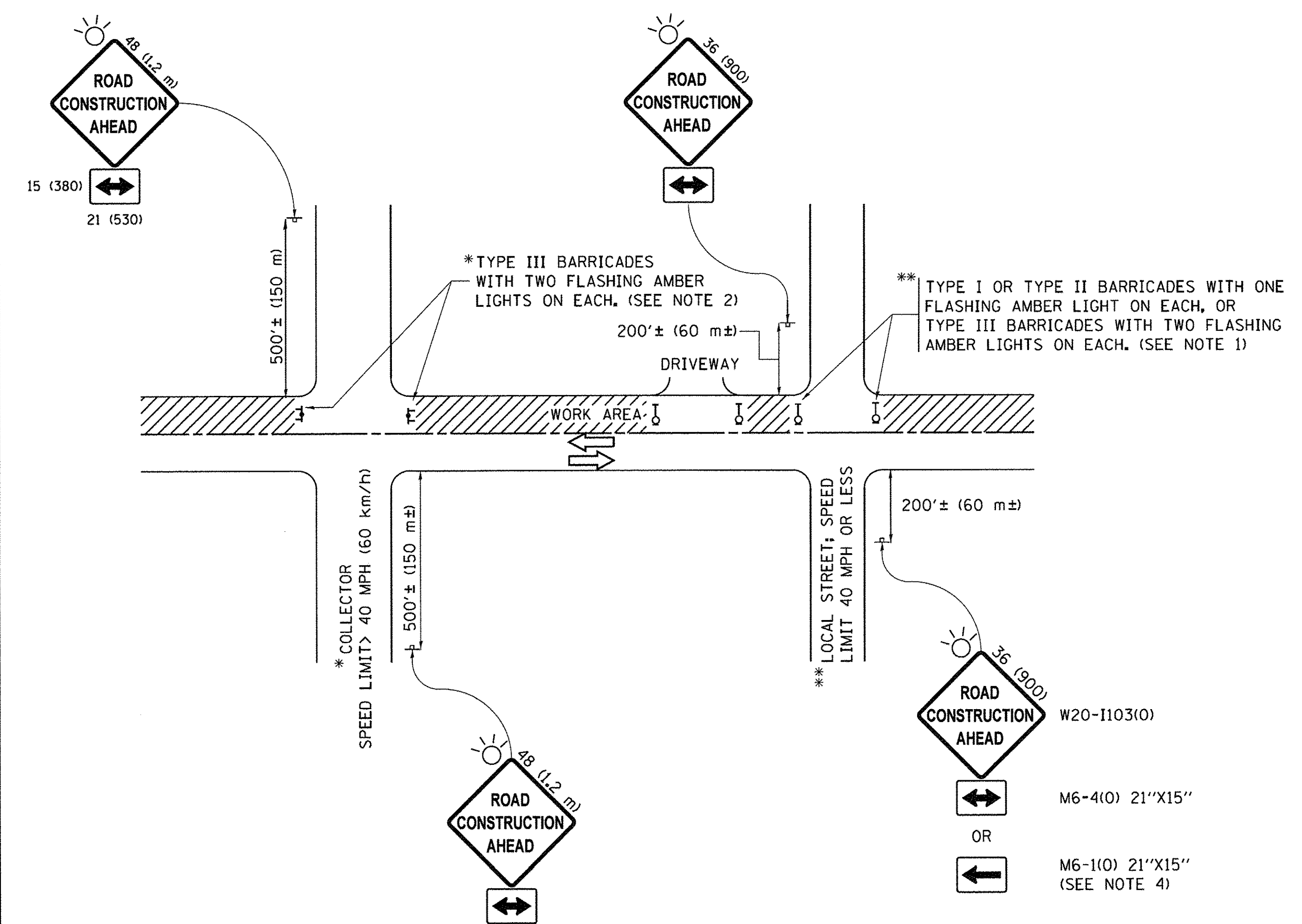
SHEET NO. 1 OF 1 SHEETS

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TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	73
BD-36		CONTRACT NO. 61D49		
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				





**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\DOT_Offices\District 1\Projects\Dist	DRAWN\CADData\CADsheets\tcl0.dgn	CHECKED -	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50,000' / in.	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

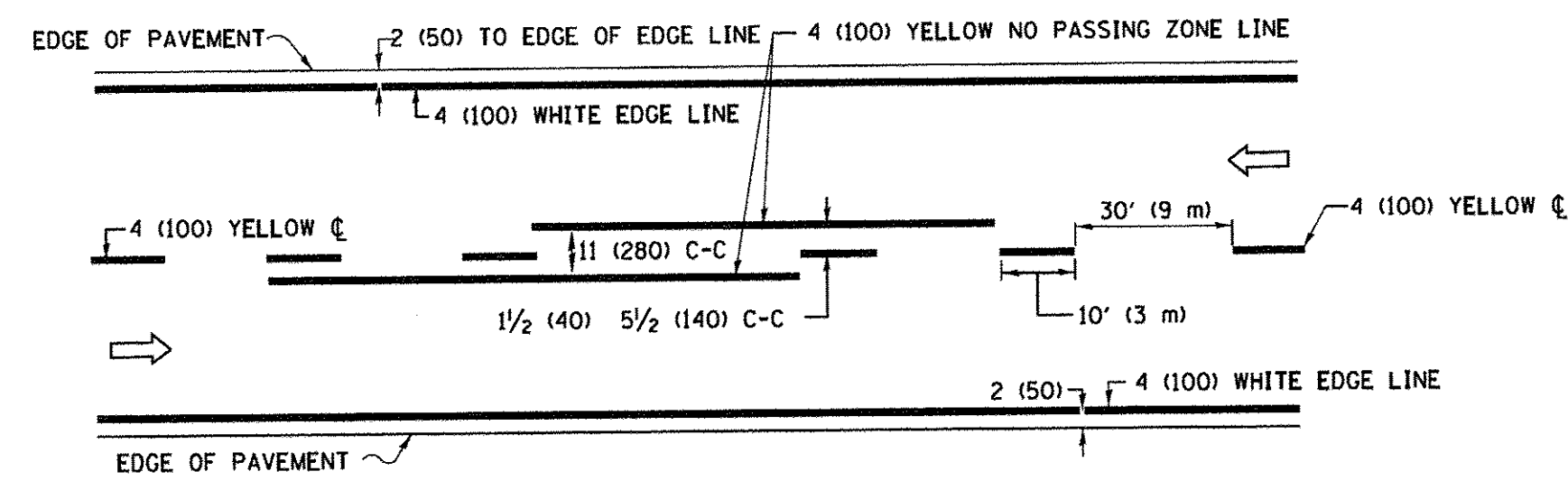
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

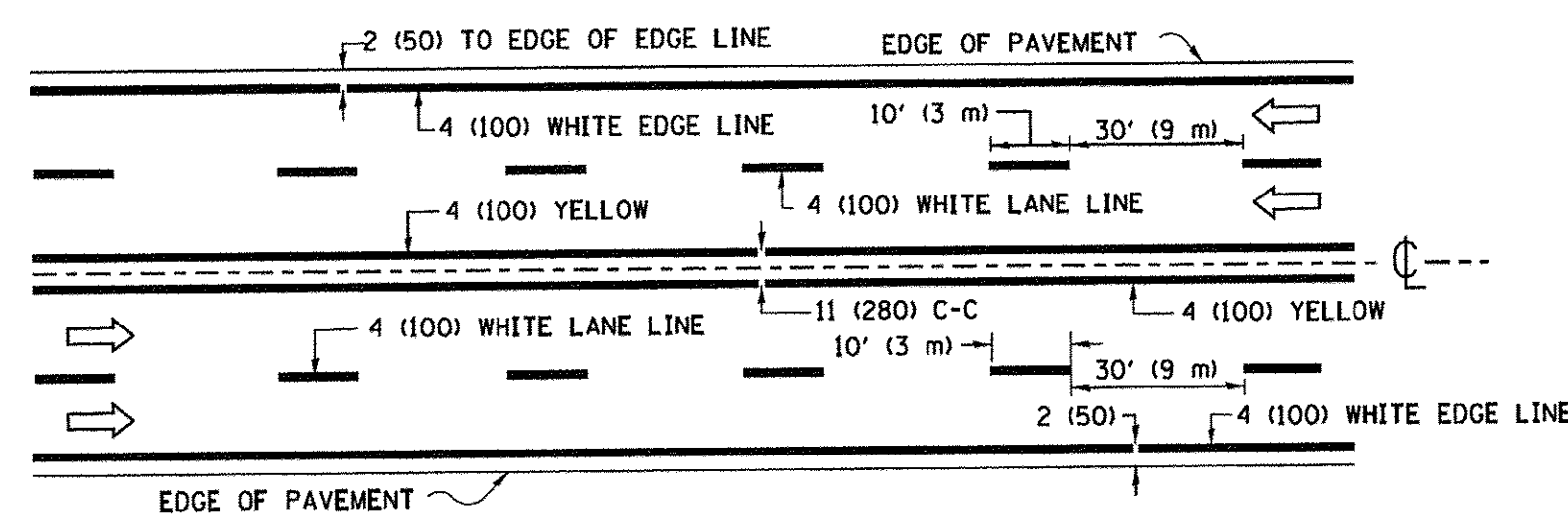
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>			<b>CONTRACT NO. 61D49</b>	
ILLINOIS FED. AID PROJECT				

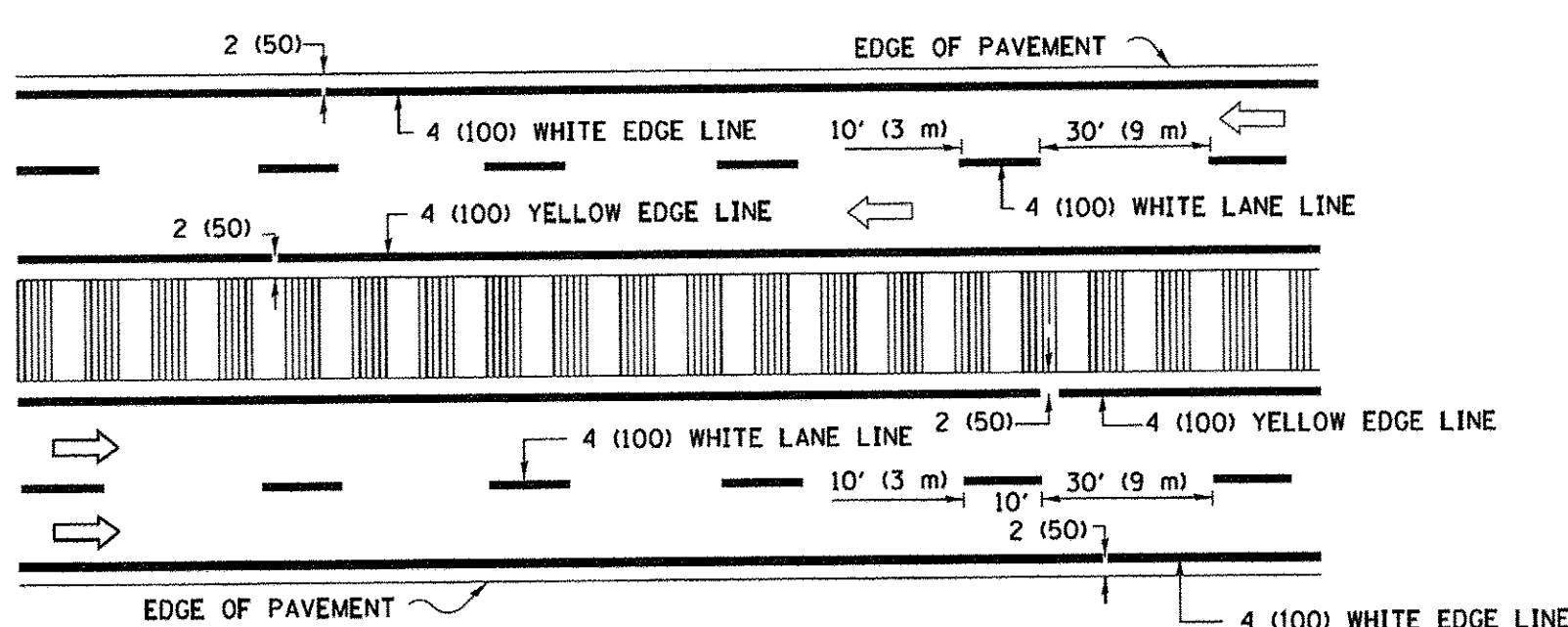




**2-LANE ROADWAY**

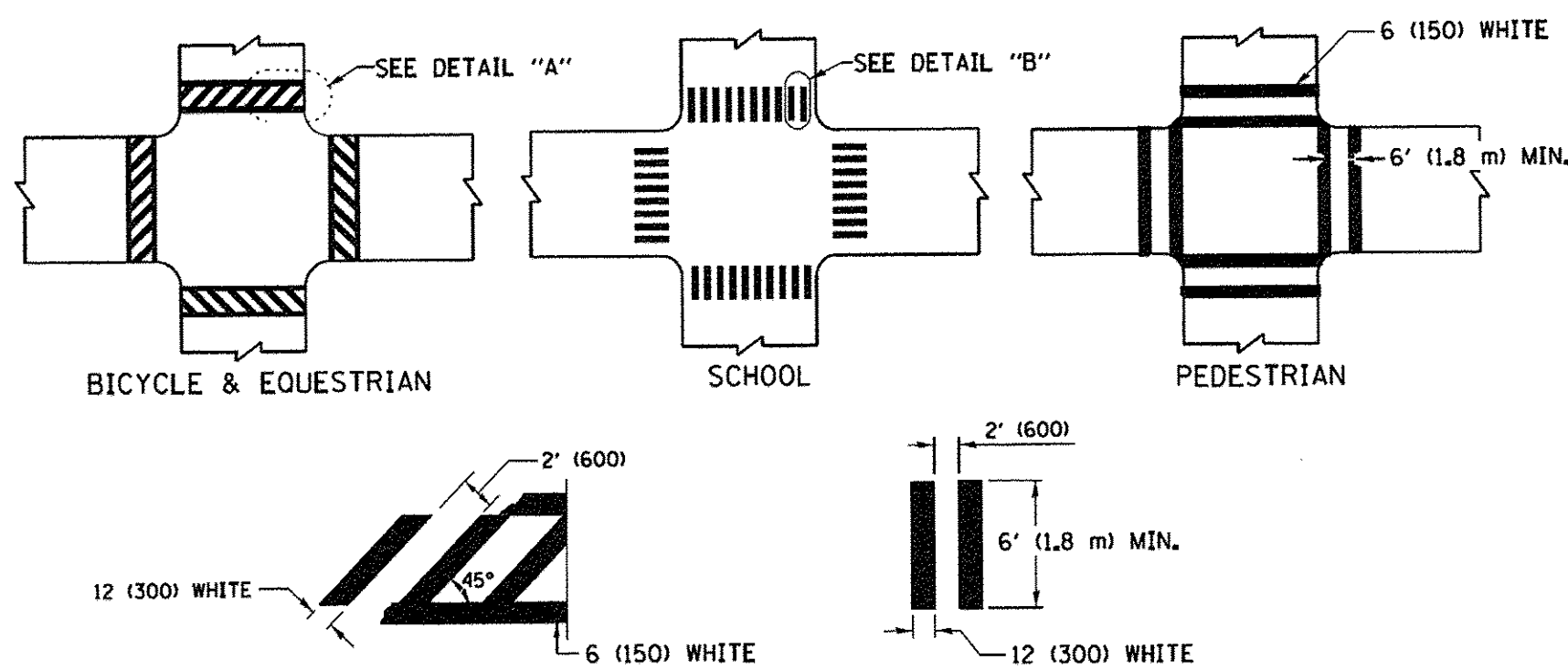


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

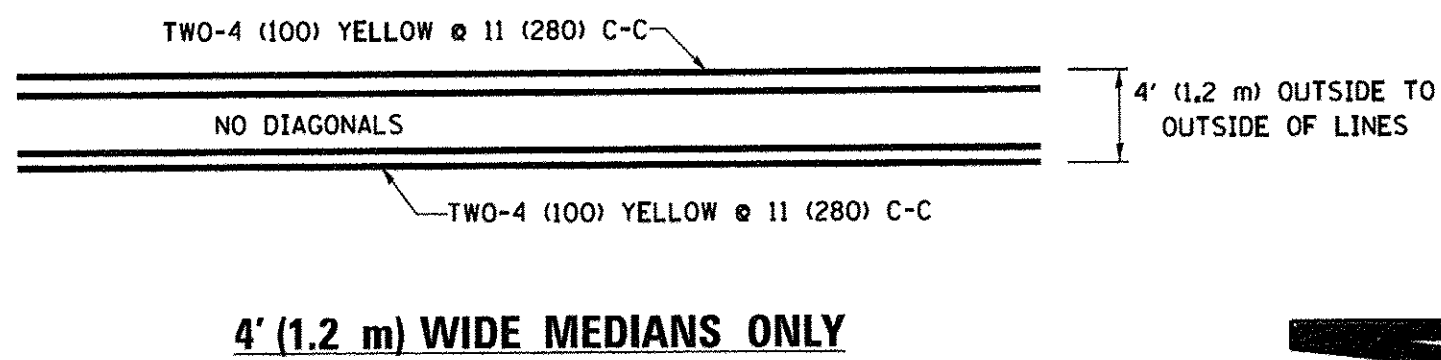


**DETAIL "A"**

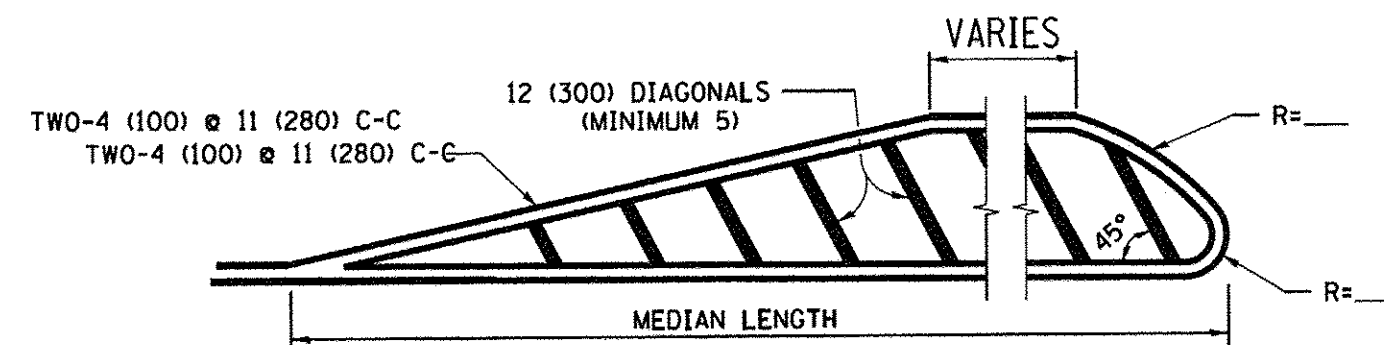
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

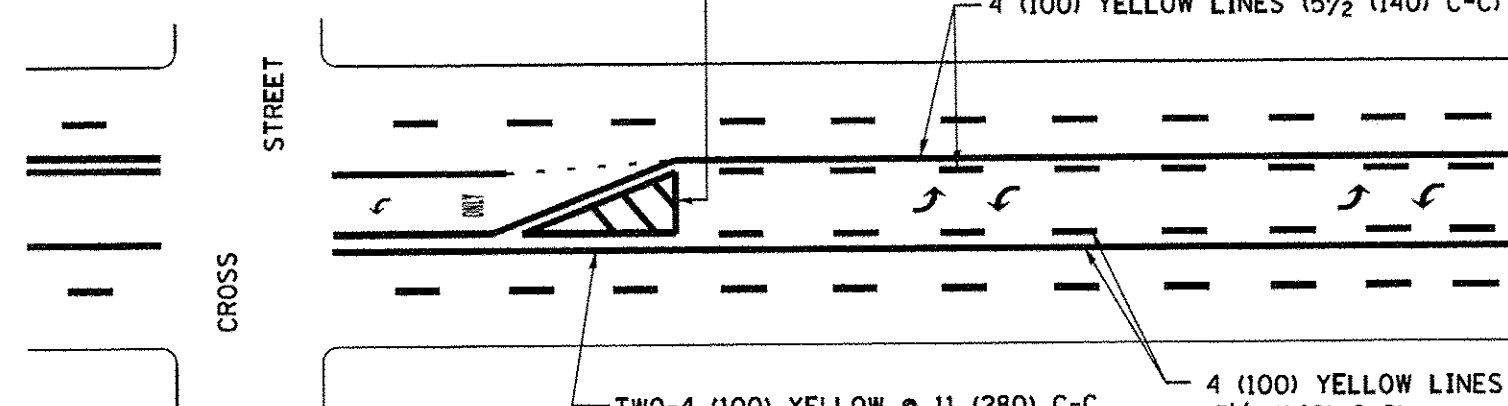


**4' (1.2 m) WIDE MEDIANS ONLY**



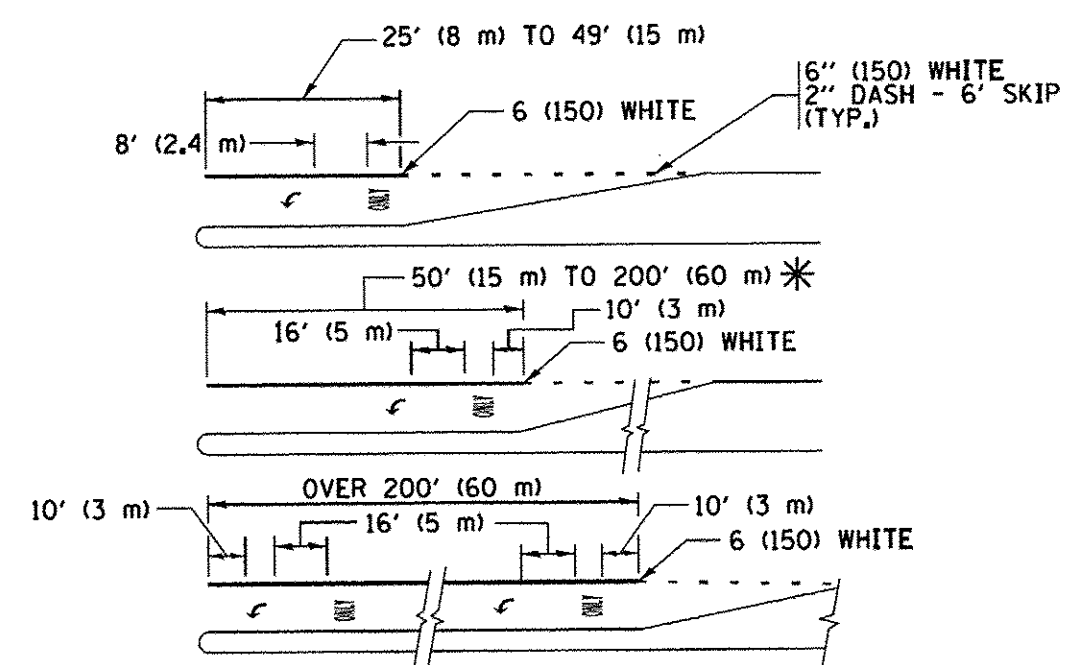
**MEDIANS OVER 4' (1.2 m) WIDE**

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



**MEDIAN WITH TWO-WAY LEFT TURN LANE  
TYPICAL PAINTED MEDIAN MARKING**

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

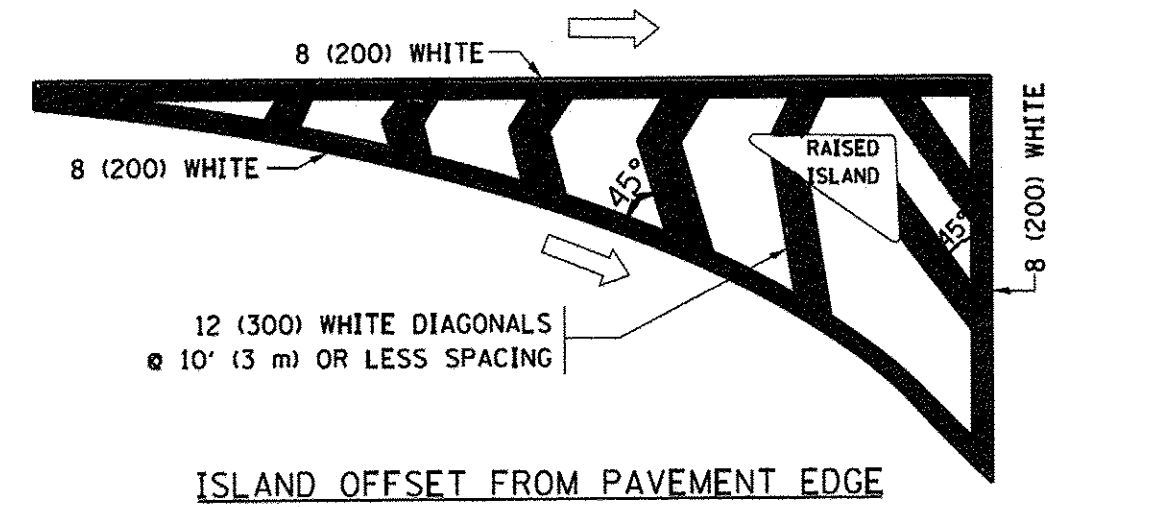


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

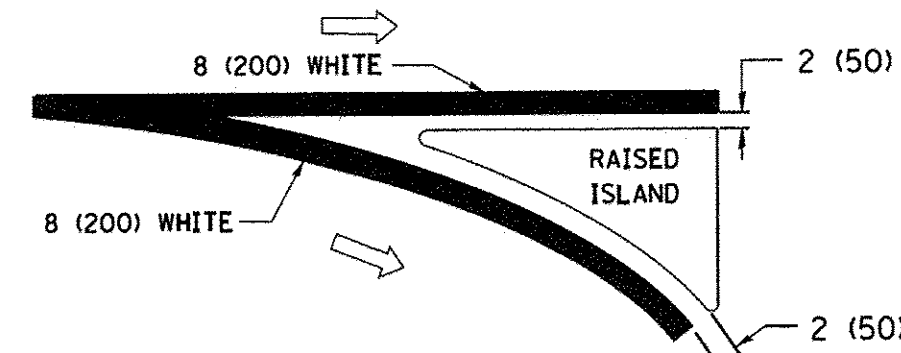
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

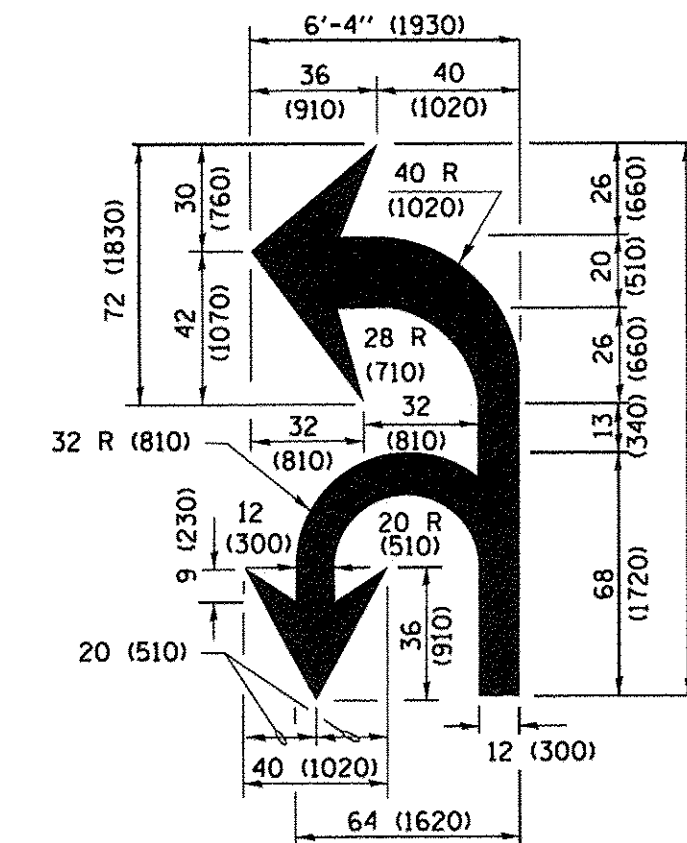


**ISLAND OFFSET FROM PAVEMENT EDGE**

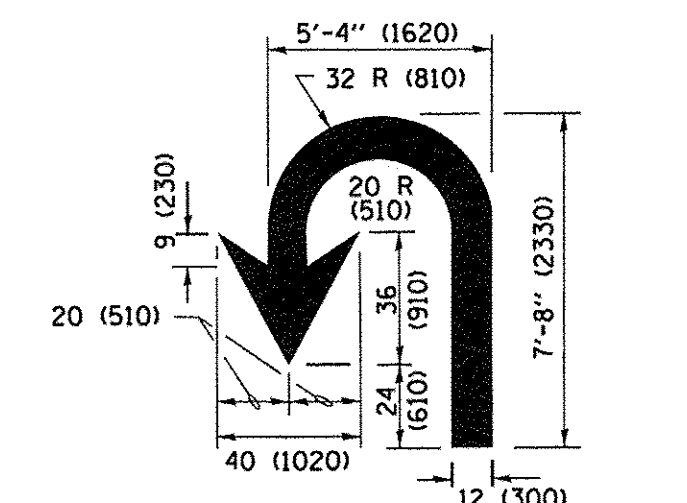


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

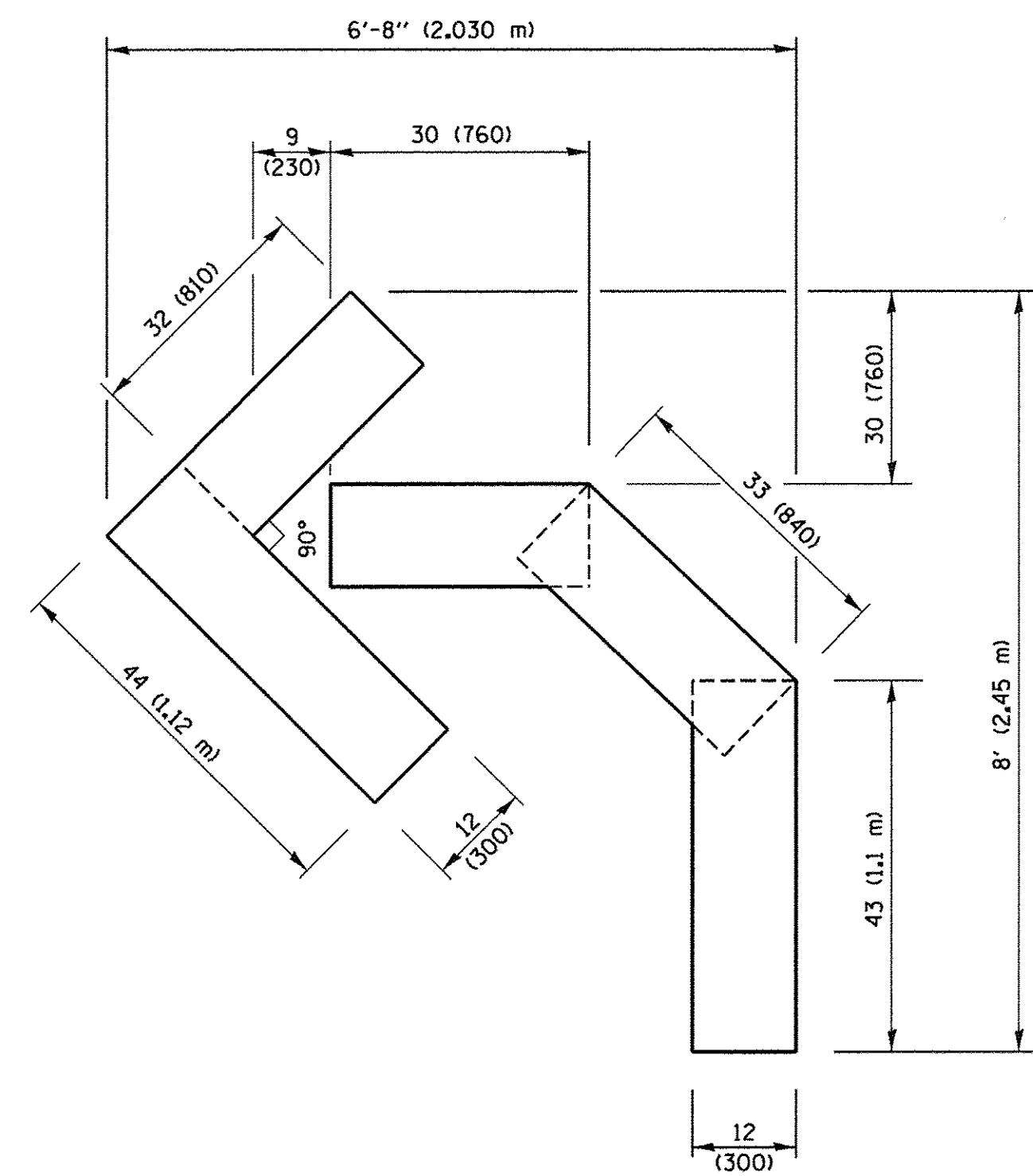
D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

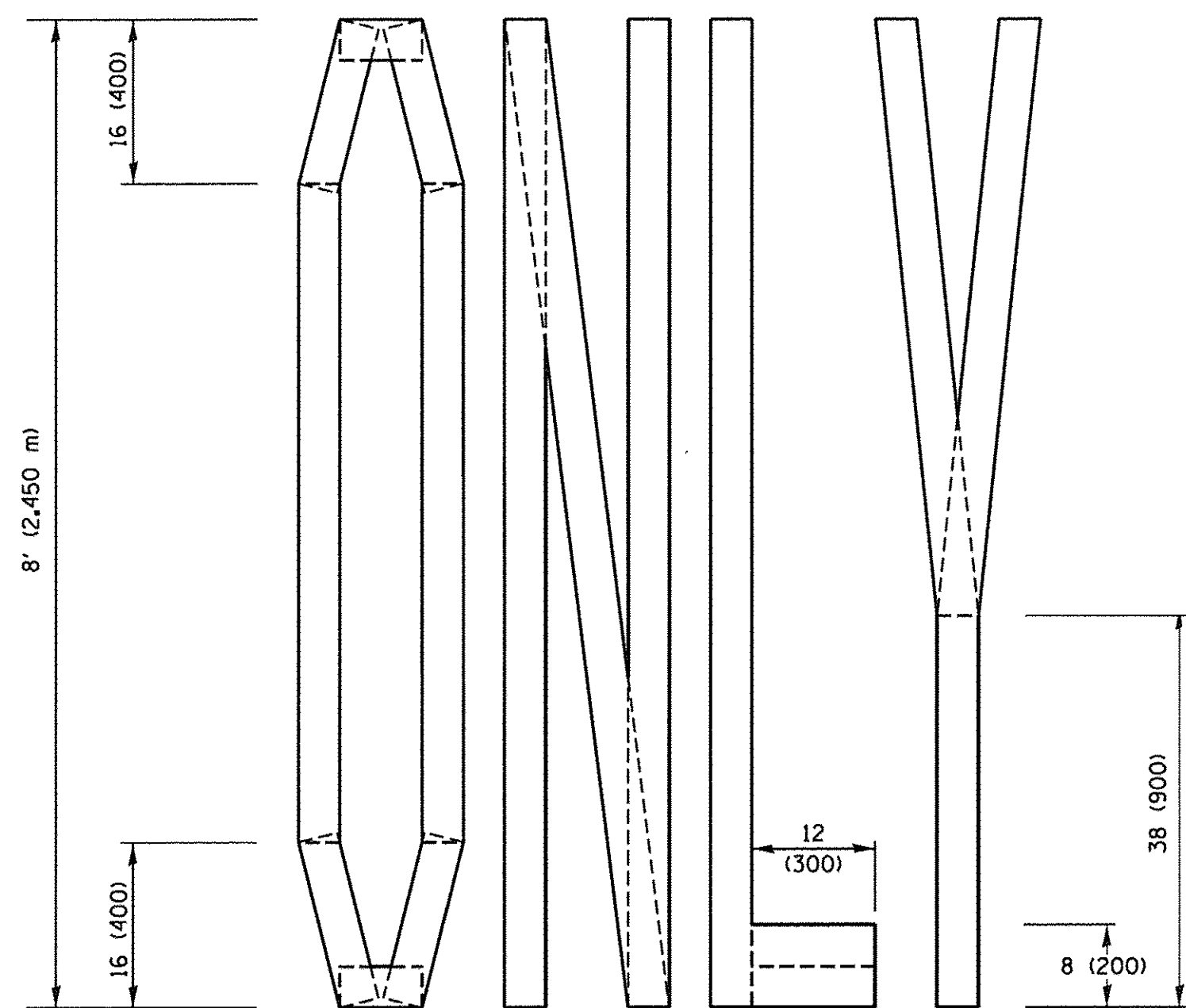
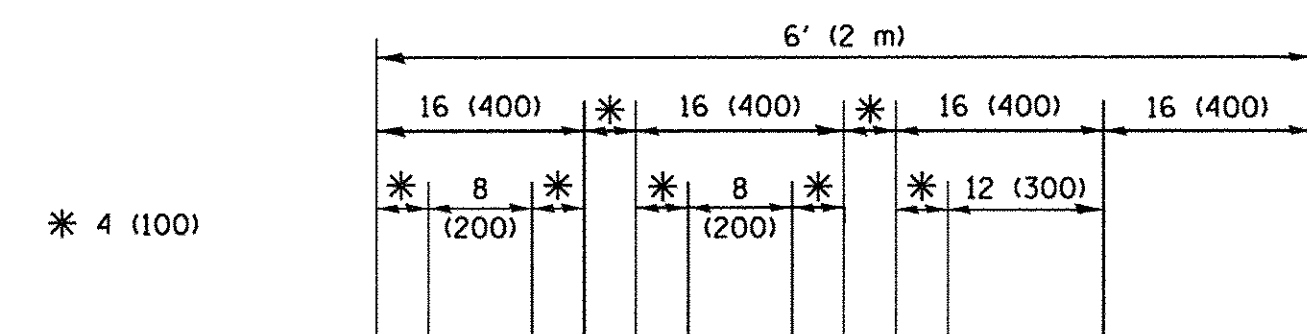
All dimensions are in inches (millimeters) unless otherwise shown.





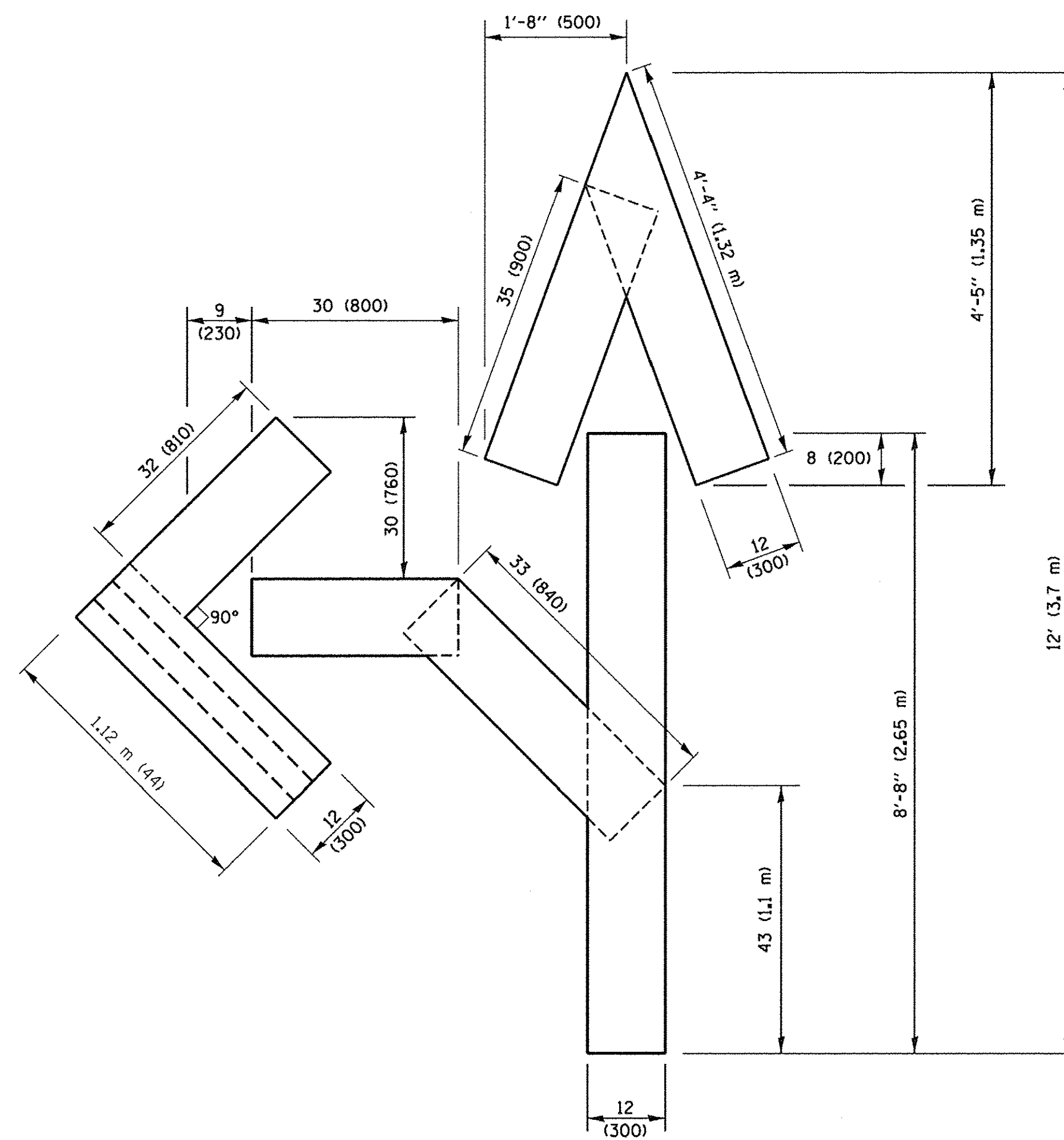
**QUANTITY**

4 (100) LINE = 45.5 ft. (13.9 m)  
15.2 sq. ft. (1.41 sq. m)



**QUANTITY**

4 (100) LINE = 64.1 ft. (19.5 m)  
21.4 sq. ft. (1.99 sq. m)

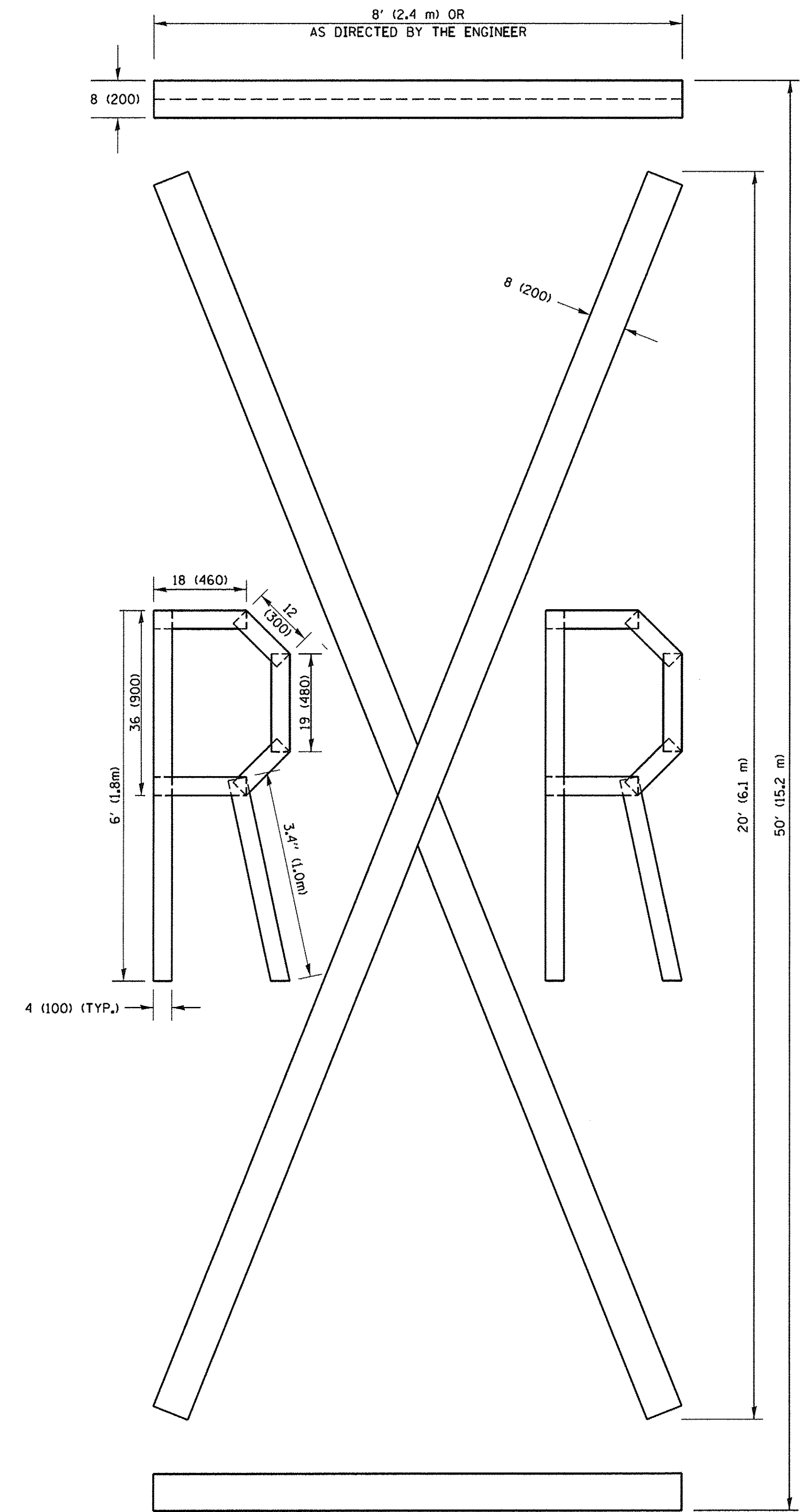


**QUANTITY**

4 (100) LINE = 82.5 ft. (25.1 m)  
27.5 sq. ft. (2.53 sq. m)

**NOTE:**

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**

4 (100) LINE = 225.9 ft. (68.9 m)  
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = ffootemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw\l\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT_Offices\District_1\Projects\Dist1\Drawn\CADData\CADsheets\tc16.dgn		DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0000' / 1"		CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 9/15/2016		DATE -	REVISED - A. SCHUETZE 09-15-16

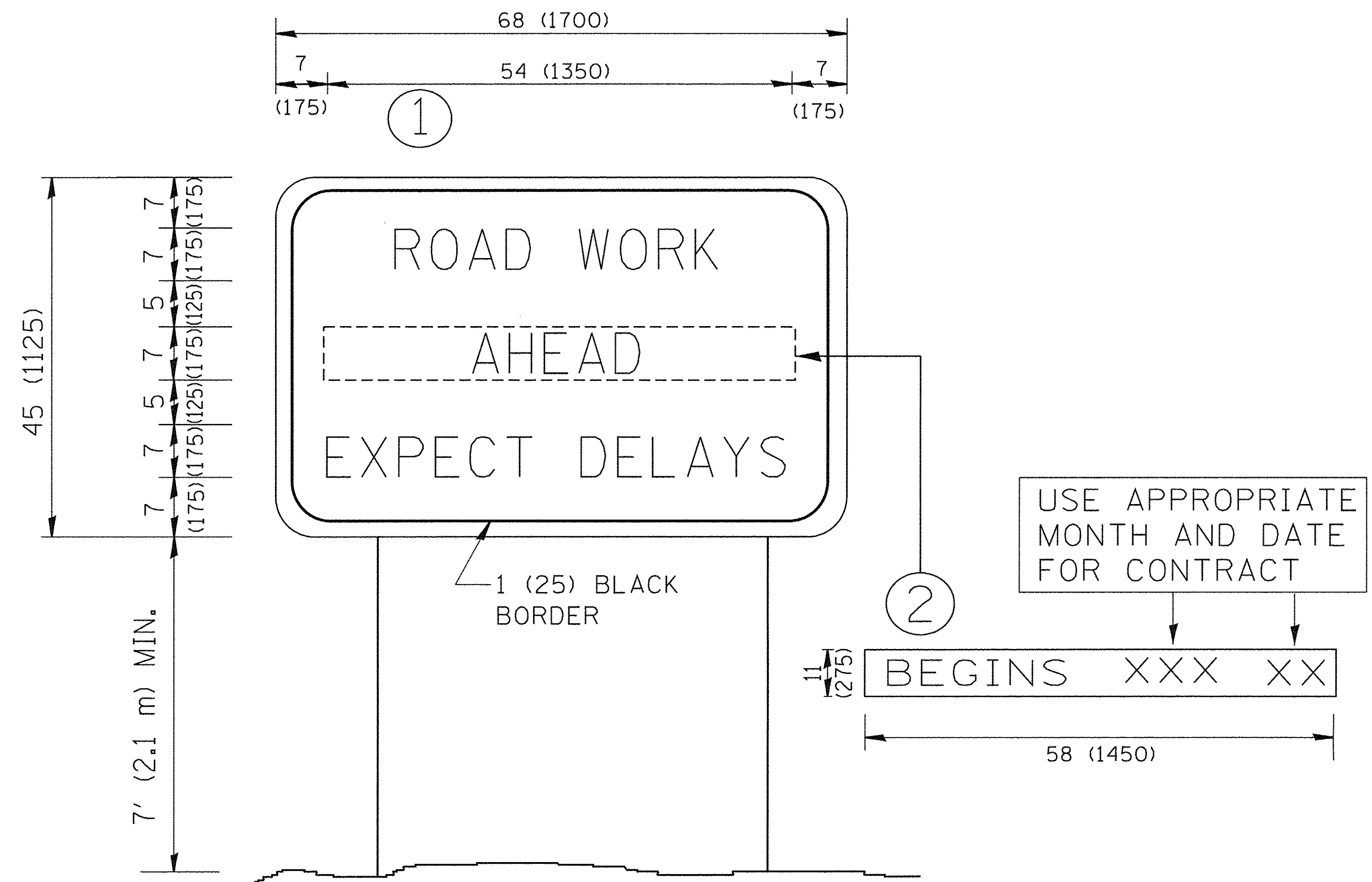
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	76
TC-16			CONTRACT NO. 61D49	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = w:\diststd\22x34\tc22.dgn	USER NAME = gaglisonbt	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

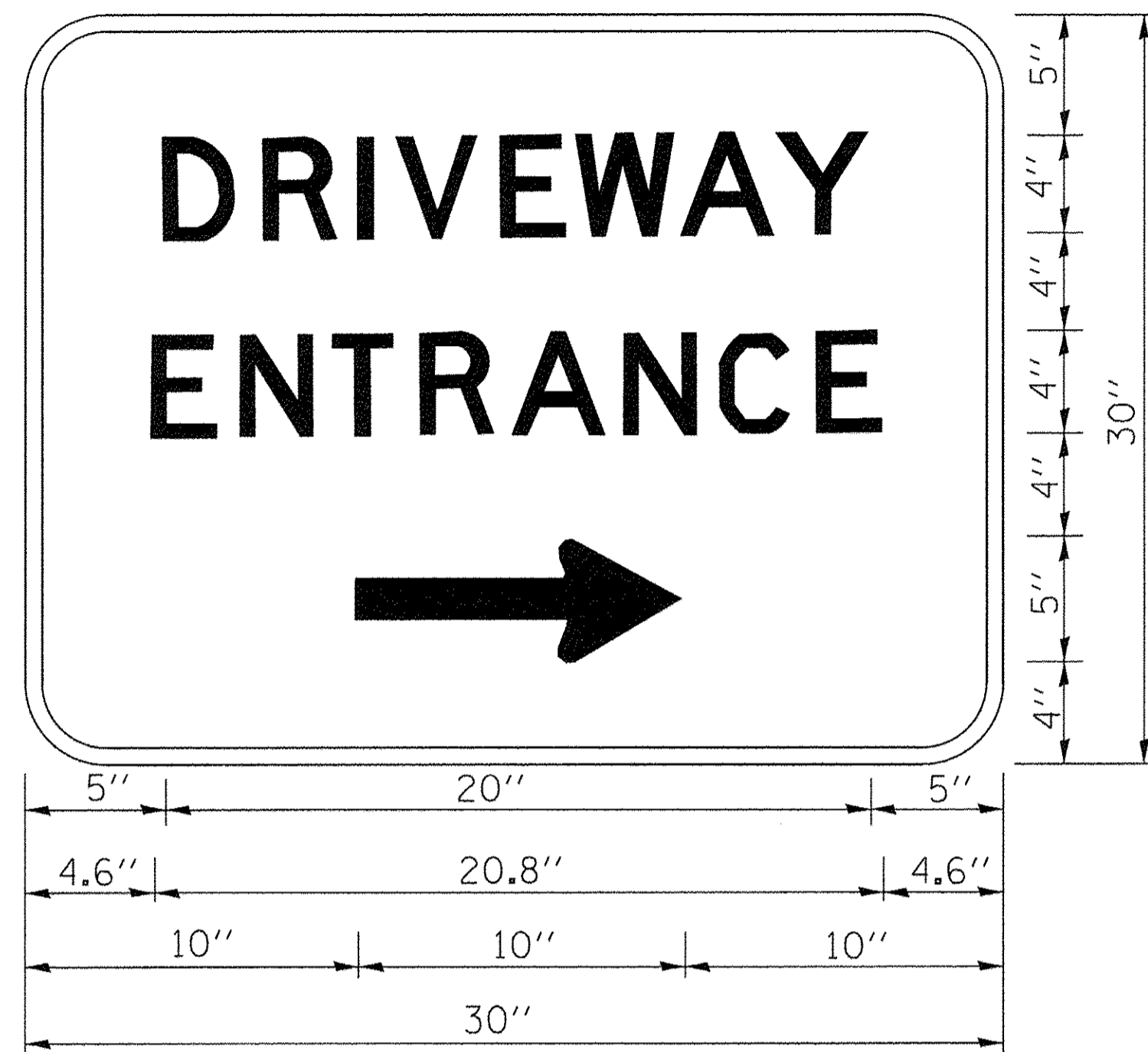
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	77
TC-22			CONTRACT NO. 61D49	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = gegl1anobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
c:\pw\work\pwidot\gegl1anobt\d0108315\to	26.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50.000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1084	16-00186-00-RP	DUPAGE	78	78
<b>TC-26</b>			<b>CONTRACT NO. 61D49</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				