

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	13-00168-08-SP	DUPAGE	55	1
		ILLINOIS	CONTRACT NO. 61C89	

FOR INDEX AND LIST OF HIGHWAY STANDARDS,
SEE SHEET NO. 2

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

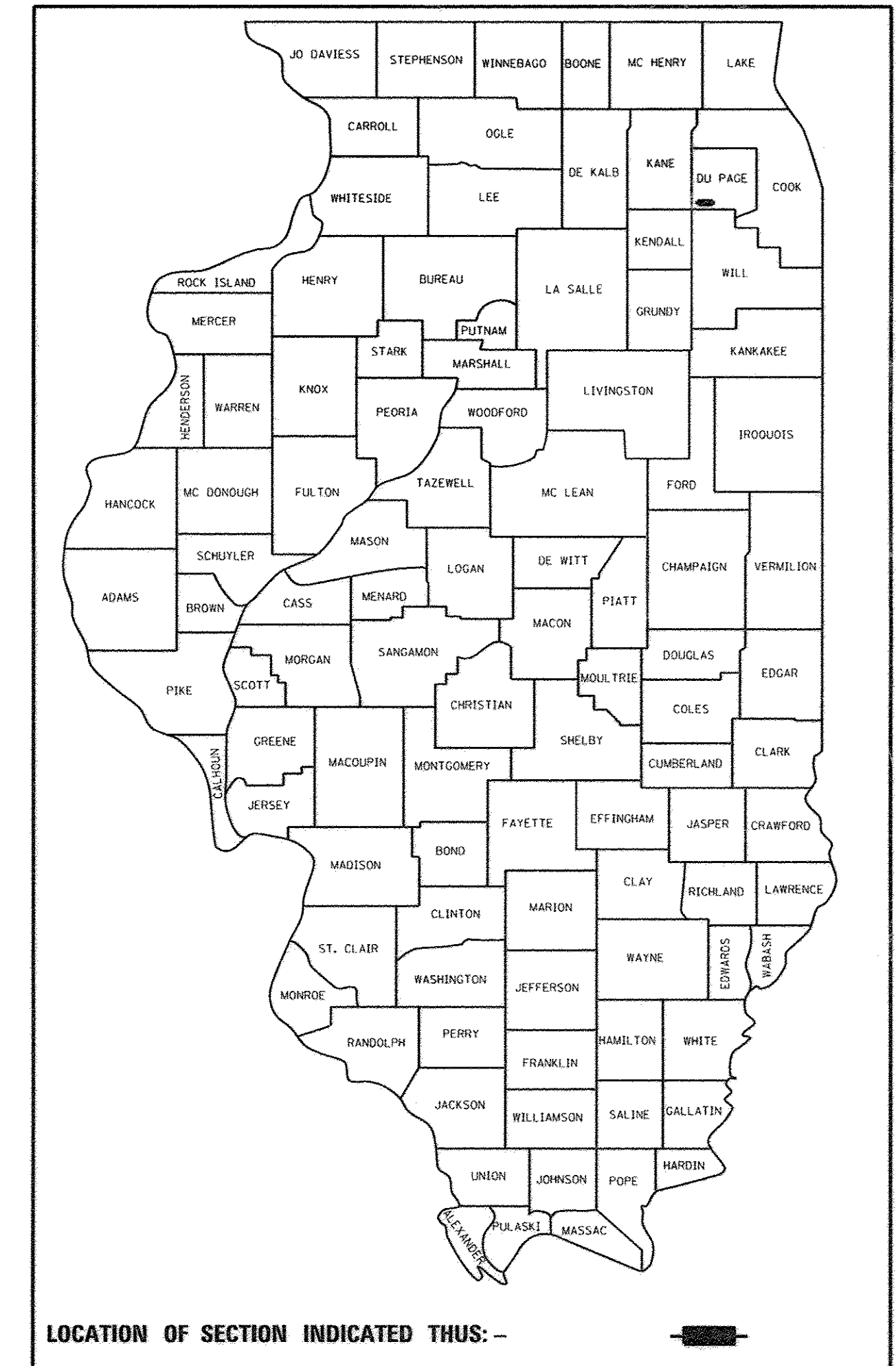
F.A.P. ROUTE 0369 COUNTY HIGHWAY 33 (75th ST.)
75TH STREET AT BOOK ROAD
INTERSECTION IMPROVEMENT AND SIGNAL MODERNIZATION
SECTION 13-00168-08-SP
PROJECT HSIP-0043 (031)
DUPAGE COUNTY

C-91-172-14

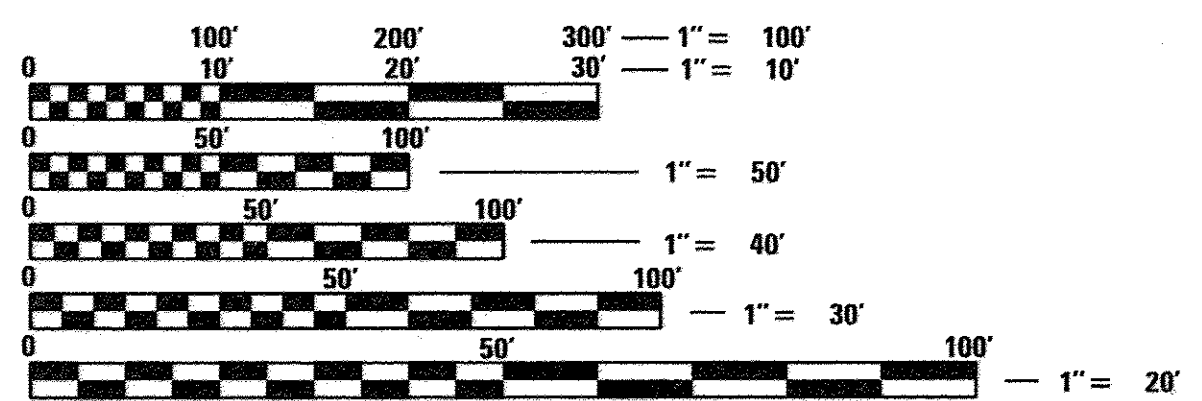
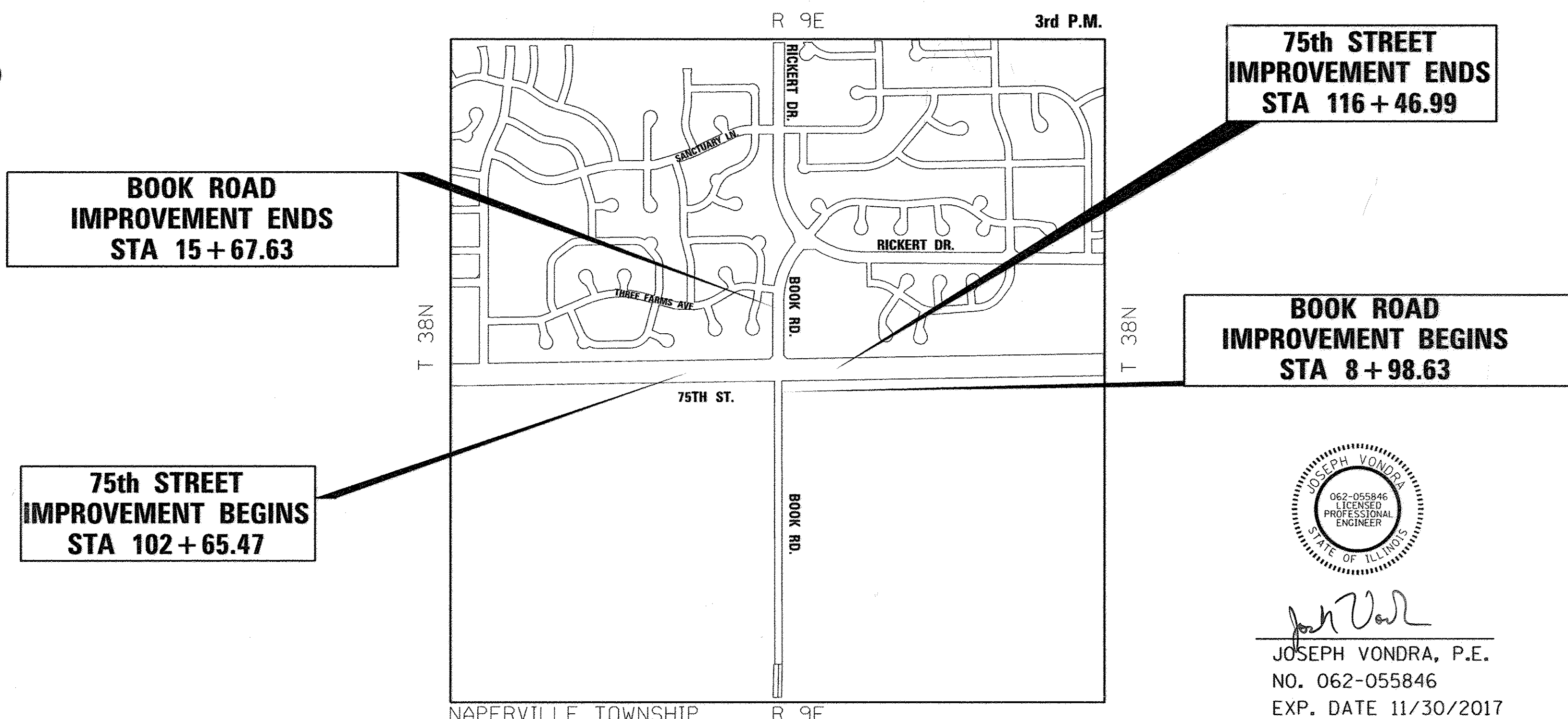
DESIGN DESIGNATION

75th STREET - OTHER PRINCIPAL ARTERIAL
DESIGN SPEED: 75th STREET = 50 MPH (50 MPH POSTED)
BOOK ROAD = 50 MPH (40 MPH POSTED)

2014 ADT: 75th STREET 38,700 (WEST LEG), 38,700 (EAST LEG)
BOOK ROAD 14,800 (NORTH LEG), 18,800 (SOUTH LEG)



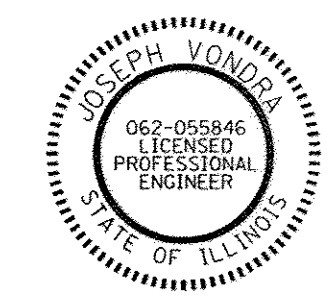
PROJECT LOCATED IN
UNINCORPORATED DUPAGE COUNTY
AND THE CITY OF NAPERVILLE



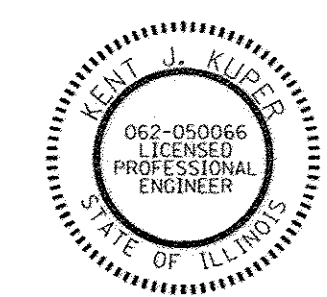
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

NAPERVILLE TOWNSHIP R 9E 3rd P.M.
SCALE: N.T.S.
LOCATION MAP
GROSS LENGTH OF 75th ST. = 1381.52 FT. = 0.262 MILES
NET LENGTH OF 75th ST. = 1381.52 FT. = 0.262 MILES
GROSS LENGTH OF BOOK RD. = 669.00 FT = 0.127 MILES
NET LENGTH OF BOOK RD. = 669.00 FT = 0.127 MILES
GROSS AND NET LENGTH OF PROJECT = 2050.52 FT = 0.388 MILES



JOSEPH VONDRA, P.E.
NO. 062-055846
EXP. DATE 11/30/2017
SHEETS 23-36



KENT J. KUPER, P.E.
NO. 062-050066
EXP. DATE 11/30/2017
SHEETS 1-22, 37-55

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	June 16 20 2016 <i>Christopher Anydes</i> DUPAGE COUNTY ENGINEER
APPROVED	July 5 20 16 <i>Christopher Holt</i> PRESIDENT FOREST PRESERVE DISTRICT OF DUPAGE COUNTY
PASSED	July 19 20 16 <i>Christopher Holt</i> DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	July 13 20 16 <i>John Fortman</i> REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE - (847)-705-4406 SCHAUMBURG, IL

GENERAL NOTES

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424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
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602301-04	INLET, TYPE A
604011-05	FRAME AND GRATE, TYPE 3V
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701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24"(600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701421-07	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701422-08	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
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877011-07	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
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880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

UTILITY CONTACT INFORMATION

UTILITY	CONTACT	PHONE NUMBER
AT&T	JANET AHERN	(630)-573-6414
COMCAST	THOMAS MUNAR	(630)-600-6316
COM-ED	RICK SEIDEL	(630)-229-5138
DUPAGE WATER COMMISSION	MICHAEL SCHWEIZER	(630)-834-0100
NAPERVILLE DPU.- ELECTRIC	LARRY SLATE	(630)-420-6192
NAPERVILLE DPU.- SANITARY	WILLIAM BOLSTER	(630)-420-4122
NAPERVILLE DPU.- WATER	WILLIAM BOLSTER	(630)-420-4122
NICOR	BRUCE KOPPANG	(630)-388-3046
WIDE OPEN WEST	KEVIN RHODES	(630)-930-7597

GENERAL NOTES

NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.

ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

UNLESS AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.

DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED, AT HIS EXPENSE, TO HAVE AVAILABLE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST. IF NECESSARY, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS.

ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

TREE REMOVAL, CLEARING, HEDGE REMOVAL

TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.

ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.

ALL CLEARING, REMOVAL OF BUSHES, HEDGES AND TREES UNDER SIX (6) INCHES IN DIAMETER WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

OVERHANGING LIMBS

OVERHANGING LIMBS ARE TO BE TRIMMED OR CUT OFF TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF TWENTY (20) FEET FROM THE FINISHED SURFACE OF THE ROAD. CLEARANCE TO SIDEWALKS OR PATHS SHALL BE AS DIRECTED BY THE ENGINEER.

LIMB PRUNING SHALL BE DONE PER THE PROVISIONS OF ARTICLES 201.05 AND 201.06 OF THE STANDARD SPECIFICATIONS, PERFORMED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST, AND UNDERTAKEN IN A TIMELY FASHION SO AS NOT TO INTERFERE WITH CONSTRUCTION.

ALL CUTS OVER ONE (1) INCH IN DIAMETER SHALL BE MADE AT THE GROWTH RING AT THE NEXT LARGE BRANCH.

ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.

THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TREE REMOVAL.

TOPSOIL

TOPSOIL SHALL BE PLACED TO A DEPTH OF SIX (6) INCHES AND BE MEASURED IN SQUARE YARDS.

THE CROSS SECTIONS INDICATE THE FINISHED GRADE OF TOPSOIL.

TOPSOIL SHALL NOT BE STOCKPILED WITHIN THE LIMITS OF CONSTRUCTION; THE LOCATIONS OF TOPSOIL STOCKPILES WITHIN THE RIGHT-OF-WAY MUST BE APPROVED BY THE ENGINEER.

ROADWAY EXCAVATION

ALL EXISTING CULVERTS, STORM SEWERS, OR DRAINAGE STRUCTURES MARKED FOR REMOVAL ON THE PLANS OR DESIGNATED IN THE FIELD BY THE ENGINEER TO BE REMOVED SHALL BE REMOVED AND ANY EXCAVATION SHALL BE BACKFILLED WITH A GRANULAR MATERIAL MEETING THE SPECIFICATIONS FOR FA-1 OR FA-2. THE COST OF ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR STORM SEWER OR PIPE CULVERT UNLESS PAID FOR AS A SPECIFIC ITEM.

ALL EXISTING GRANULAR AND HOT-MIX ASPHALT PAVEMENT TO BE REMOVED AND NOT PAID AS A SPECIFIC ITEM SHALL BE CONSIDERED EARTH EXCAVATION AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION. THE CONTRACTOR WILL HAVE THE OPTION OF REMOVING THE EXISTING HOT-MIX ASPHALT PAVEMENT BY GRINDING OR EXCAVATING. IF THE HOT-MIX ASPHALT PAVEMENT IS REMOVED BY EXCAVATION, IT MAY NOT BE USED IN EMBANKMENT AREAS UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER. HOT-MIX ASPHALT PAVEMENT REMOVED BY GRINDING MAY BE USED AS EMBANKMENT MATERIAL. NO HOT-MIX ASPHALT MATERIAL SHALL BE REMOVED IN AREAS TO BE USED FOR TEMPORARY ROADWAY.

THE CONTRACTOR SHALL NOT CROSS COMPLETED BASE COURSE OR EXISTING PAVEMENT, NOT SCHEDULED TO BE REMOVED, WITH LOADED SCRAPERS OR TRACK EQUIPMENT.

ALL EMBANKMENTS AND SUB-GRADE SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER PRIOR TO PLACING AGGREGATE SUBGRADE OR SUB-BASE GRANULAR MATERIAL.

ALL EXISTING DOMESTIC BUFFALO BOXES ARE TO BE ADJUSTED BY THE CONTRACTOR. THE COST OF THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

STORM SEWERS, STRUCTURES, UTILITIES

THE CONTRACTOR SHALL MAINTAIN CONVEYANCE OF ALL FLOWS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS, CULVERTS, AND OTHER DRAINAGE FACILITIES. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME THAT THE PERMANENT DRAINAGE FACILITIES ARE IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF THE CONTRACT.

THE STATION / OFFSET / ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR THE STRUCTURES TO SET THE FRAME AND GRATES IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE; ELEVATION INDICATES RIM GRADES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS, WATERMANS, AND STREET LIGHTS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT, RELOCATION, OR EXTENSION OF THE UTILITY INVOLVED.

THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE AND ARE PROVIDED BY THE OWNERS. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE OWNERS OF THE UTILITIES.

EMBANKMENTS SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER PRIOR TO EXCAVATION FOR STORM SEWER.

THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER BEING CONNECTED.

MANHOLES AND CATCH BASINS SHALL BE CONSTRUCTED WITH FLAT TOPS WHERE THE DIFFERENCE BETWEEN THE RIM ELEVATION AND INVERT ELEVATION IS LESS THAN SIX (6) FEET.

ALL ADJUSTMENTS OR RECONSTRUCTIONS SHALL INCLUDE THE REMOVAL AND REPLACEMENT OF ALL UNSUITABLE TWO (2) FOOT INSIDE DIAMETER ADJUSTING RINGS, INCLUDED IN THE UNIT PRICE OF THE ITEM BEING ADJUSTED OR RECONSTRUCTED.

ADJUSTMENT OF STRUCTURES MAINTAINED BY OTHER AGENCIES SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY MAINTAINING THE STRUCTURE INVOLVED.

ALL MANHOLES AND INLETS SHALL HAVE POURED INVERTS. THE COST OF INVERTS SHALL BE INCLUDED IN THE COST OF THE STRUCTURE.

ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES, AS DIRECTED BY THE ENGINEER; THIS WORK WILL BE PAID FOR AT THE APPLICABLE CONTRACT UNIT PRICE OR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

TRENCHES CROSSING TRAFFIC LANES SHALL BE TEMPORARILY PATCHED WITH FOUR (4) INCHES HOT-MIX ASPHALT BASE COURSE; THE COST OF THE HOT-MIX ASPHALT BASE COURSE WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE SEWER, CULVERT, WATERMAIN, OR OTHER ITEM PLACED IN TRENCH. THIS PRICE SHALL INCLUDE THE COST OF MAINTAINING THE PATCH TO THE SATISFACTION OF THE ENGINEER.

HOT-MIX ASPHALT SURFACE COURSE, AND BINDER COURSE

HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, BASE COURSE, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.

SAWCUT CONSTRUCTION JOINTS SHALL BE PROVIDED AT PAVED COMMERCIAL OR PRIVATE ENTRANCES AND AT ALL SIDE ROADS. THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT SURFACE COURSE.

THE MAXIMUM COMPACTED THICKNESS OF ANY LIFT OF HOT-MIX ASPHALT BINDER OR SURFACE COURSE SHALL BE 2.5 INCHES.

THE MAXIMUM COMPACTED THICKNESS OF A LIFT OF HOT-MIX ASPHALT BASE COURSE SHALL BE FOUR (4) INCHES UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

HOT-MIX ASPHALT BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

TRENCH BACKFILL

WHERE TRENCH BACKFILL IS REQUIRED, THE MATERIAL USED SHALL BE COMPACTED AS SPECIFIED IN ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS USING METHOD ONE.

REQUIREMENTS FOR SPRINGBROOK PRAIRIE NATURE PRESERVE

EQUIPMENT MAY NOT BE STAGED OR STORED WITHIN THE NATURE PRESERVE. TEMPORARY FENCING SHALL BE INSTALLED TO PREVENT UNAUTHORIZED INTRUSION. SOIL EROSION SHALL BE PREVENTED BY USED OF BEST MANAGEMENT PRACTICES. MINIMIZE DISTURBANCES TO SENSITIVE PLANT COMMUNITIES. IN ORDER TO PREVENT THE SPREAD OF EXOTIC OR INVASIVE PLANTS OR PROPAGULES, EQUIPMENT AND WORK CLOTHING, INCLUDING SHOES/BOOTS, SHALL BE CLEAN AND FREE OF ANY SEEDS OR MUD PRIOR TO ENTERING OR LEAVING THE SITE. THE FORMER TRAIL ALIGNMENT SHALL BE RESTORED WITH NATIVE VEGETATION.

FILE NAME =	USER NAME = hwrjs	DESIGNED - DFN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND STANDARDS 75TH STREET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RJS	REVISED -					0369	13-00168-08-SP	DuPAGE	55	2
	PLOT SCALE = 20,0000' / 1" =	CHECKED - KJK	REVISED -					CONTRACT NO. 61089				
	PLOT DATE = 7/13/2016	DATE - 06/2016	REVISED -					SCALE:	SHEET	OF	SHEETS	STA.

SUMMARY OF QUANTITIES

SPECIALTY ITEM	CODE NUMBER	ITEMS	UNIT	TOTAL QUANTITY	0004 ROADWAY	0021 TRAFFIC SIGNALS
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	60	60	
	20200100	EARTH EXCAVATION	CU YD	1054	1054	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	637	637	
	20800150	TRENCH BACKFILL	CU YD	2	2	
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	4038	4038	
X	25000110	SEEDING, CLASS 1A	ACRE	0.5	0.5	
X	25000312	SEEDING, CLASS 4A	ACRE	0.1	0.1	
X	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	50	50	
X	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	50	50	
X	25100630	EROSION CONTROL BLANKET	SQ YD	3388	3388	
X	25200110	SODDING, SALT TOLERANT	SQ YD	650	650	
X	25200200	SUPPLEMENTAL WATERING	UNIT	6	6	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200	200	
	28000400	PERMETER EROSION BARRIER	FOOT	615	615	
	28000510	INLET FILTERS	EACH	4	4	
	28100105	STONE RIPRAP, CLASS A3	SQ YD	6	6	
	28200200	FILTER FABRIC	SQ YD	6	6	
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	710	710	
	30300116	AGGREGATE SUBGRADE IMPROVEMENT 16"	SQ YD	882	882	
	35300200	PORTLAND CEMENT CONCRETE BASE COURSE 7"	SQ YD	67	67	
	35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	632	632	
	35501312	HOT-MIX ASPHALT BASE COURSE, 7"	SQ YD	438	438	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1241	1241	
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	10	10	
	40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N80	TON	143	143	
	40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	159	159	
	42001300	PROTECTIVE COAT	SQ YD	4440	4440	

SPECIALTY ITEM	CODE NUMBER	ITEMS	UNIT	TOTAL QUANTITY	0004 ROADWAY	0021 TRAFFIC SIGNALS
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	1200	1200	
	42400800	DETECTABLE WARNINGS	SQ FT	155	155	
	44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	483	483	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1470	1470	
	44000600	SIDEWALK REMOVAL	SQ FT	2360	2360	
	54214737	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 42"	EACH	1	1	
	542A5497	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42"	FOOT	16	16	
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	16	16	
	60238800	INLETS, TYPE A	EACH	2	2	
	60404305	FRAMES AND GRATES, TYPE 3V	EACH	2	2	
	60500050	REMOVING CATCH BASINS	EACH	1	1	
	60500060	REMOVING INLETS	EACH	1	1	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	870	870	
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	600	600	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
	67100100	MOBILIZATION	LSUM	1	1	
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	5	5	
	72000100	SIGN PANEL - TYPE 1	SQ FT	49.5	7.5	42
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	6	6	
	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2	
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	15	15	
X	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	291.2	291.2	
X	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	910	910	
X	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2195	2195	
X	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1040	1040	
X	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	172	172	
X	80321980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2306	2306	
X	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	26	26	

x INDICATES SPECIALTY ITEM

USER NAME = hwr.js PLOT SCALE = 20:0000 / 1" = 175' PLOT DATE = 6/16/2016	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">SUMMARY OF QUANTITIES 75TH STREET</p>	F.A.P. RTE. 0369	SECTION 13-00168-08-SP	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 3	CONTRACT NO. 61C89	ILLINOIS FED. AID PROJECT
SCALE: SHEET OF SHEETS STA. TO STA.											

SUMMARY OF QUANTITIES

SPECIALTY ITEM	CODE NUMBER	ITEMS	UNIT	TOTAL QUANTITY	0004 ROADWAY	0021 TRAFFIC SIGNALS
X	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	74		74
X	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	38		38
X	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	31		31
X	81400100	HANDHOLE	EACH	1		1
X	81603045	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	315	315	
X	82103310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 310 WATT	EACH	2		2
X	83600360	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10' X 6'	EACH	1	1	
X	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1	1	
X	84200804	REMOVAL OF POLE FOUNDATION	EACH	1	1	
X	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1	1	
X	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1
X	87300010	GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	5		5
X	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	56		56
X	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	377		377
X	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	753		753
X	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	681		681
X	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1176		1176
X	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	203.5		203.5
X	87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1		1
X	87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1		1
X	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20
X	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30		30
X	87900200	DRILL EXISTING HANDHOLE	EACH	8		8
X	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4		4
X	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2
X	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6		6
X	88500100	INDUCTIVE LOOP DETECTOR	EACH	1		1
X	88700200	LIGHT DETECTOR	EACH	2		2
X	88600100	DETECTOR LOOP, TYPE I	FOOT	1238		1238
X	88700300	LIGHT DETECTOR AMPLIFIER	EACH	2		2
X	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	8		8

x INDICATES SPECIALTY ITEM

SPECIALTY ITEM	CODE NUMBER	ITEMS	UNIT	TOTAL QUANTITY	0004 ROADWAY	0021 TRAFFIC SIGNALS
X	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	5		5
X	89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	6		6
X	89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	3		3
X	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1		1
X	89502200	MODIFY EXISTING CONTROLLER	EACH	1		1
X	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1		1
X	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1023		1023
X	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1012		1012
X	89502376	REBUILD EXISTING HANDHOLE	EACH	4		4
X	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5		5
X	A2000120	TREE, ACER X FREEMANI AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
X	A2004820	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
X	X0320021	MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1		1
X	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1	1	
X	X034085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	377		377
X	XY009338	TEST HOLE	EACH	20	20	
X	X2500930	SEEDING, CLASS 1B (MODIFIED)	ACRE	0.1	0.1	
X	4020100	Aggregate for Temporary Access	TON	20	20	
X	xy008001	AGGREGATE PATH, 8"	SQ YD	365	365	
X	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	
X	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	40	40	
X	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1
X	X8730104	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 10 2C	FOOT	473		473
X	X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	2		2
X	X8950305	REMOVE EXISTING SIGNAL HEAD	EACH	2		2
X	XX007325	REMOVE EXISTING TRAFFIC SIGNAL POST	EACH	2		2
X	xy007452	Relocate Ballots	EACH	2	2	
X	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
X	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1		1

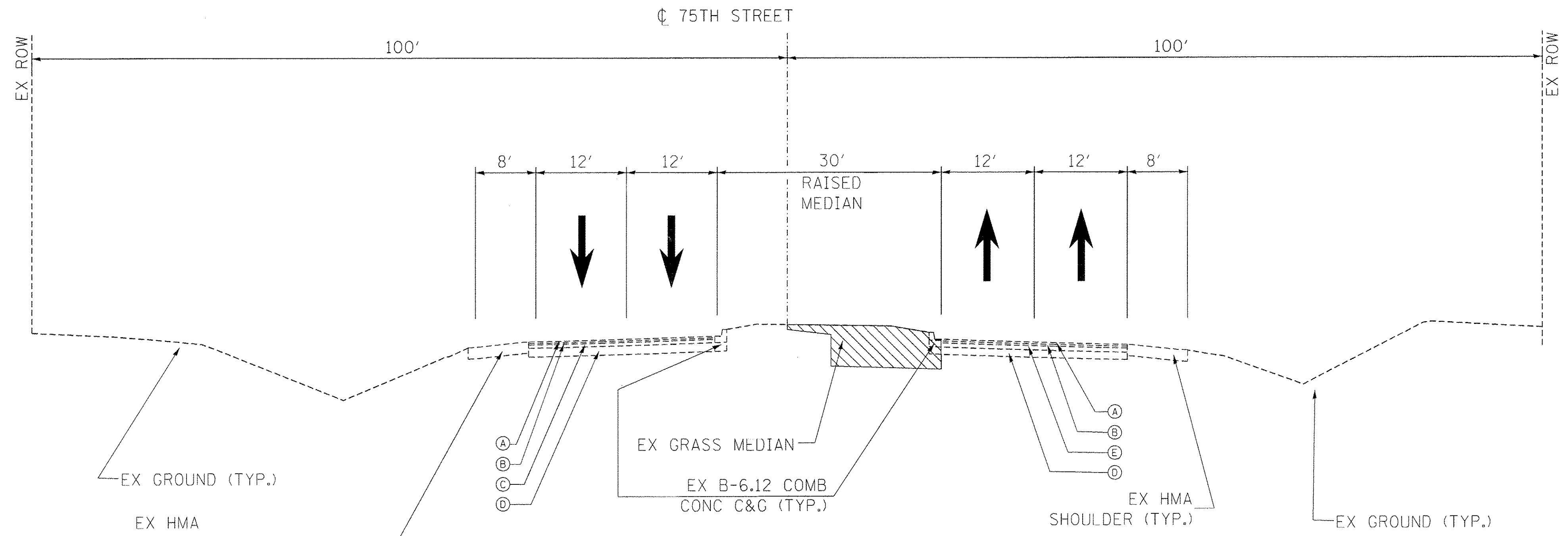
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PLOT DATE = 6/16/2016	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
75TH STREET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	13-00168-08-SP	DUPAGE	55	4
CONTRACT NO. 61C89			ILLINOIS FED. AID PROJECT	



**EXISTING TYPICAL SECTION
75TH STREET**

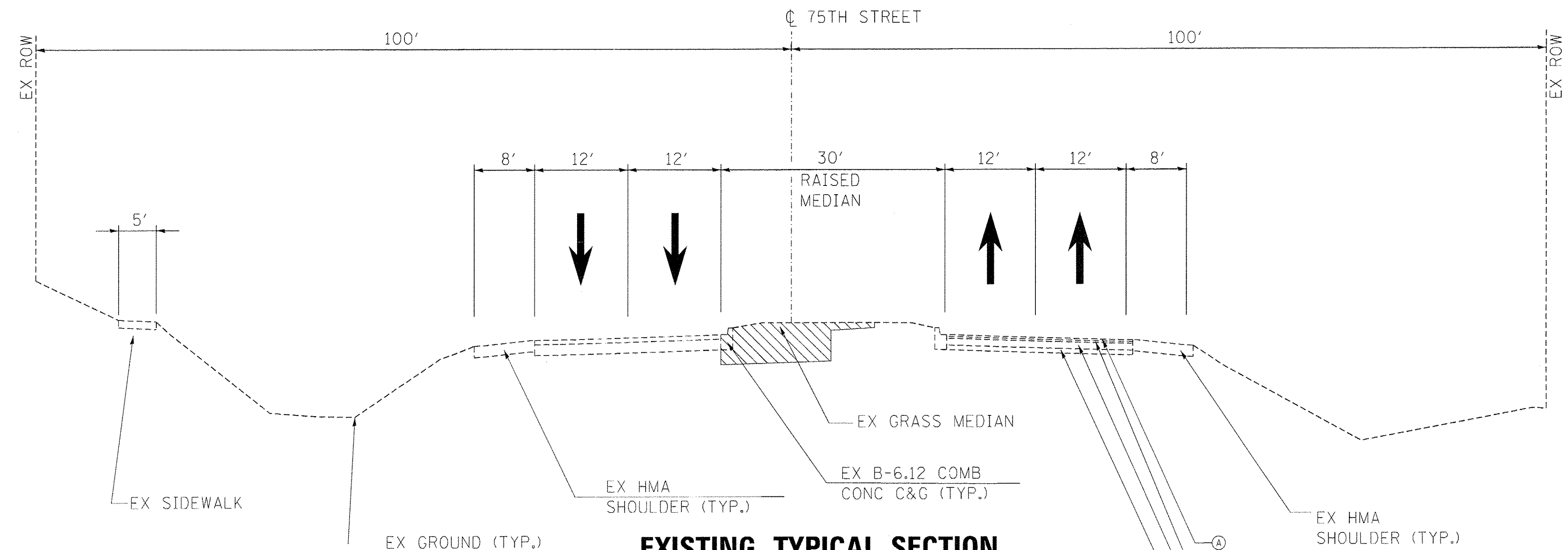
WEST OF BOOK ROAD
STA 102+66.47 TO 109+00

EXISTING CONDITIONS

- Ⓐ 1.5" BITUMINOUS SURFACE COURSE
- Ⓑ 2" BITUMINOUS BINDER COURSE
- Ⓒ 15" BAM BASE COURSE
- Ⓓ 4" & VARIES SUB-BASE GRANULAR MATERIAL TY. B
- Ⓔ 9" P.C.C. BASE COURSE
- Ⓕ 2.5" BITUMINOUS BINDER COURSE
- Ⓖ 8" BITUMINOUS BASE COURSE
- Ⓗ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
- Ⓘ P.C.C. SIDEWALK 5'
- Ⓚ EXISTING GROUND
- Ⓛ 12" HMA BASE COURSE

LEGEND

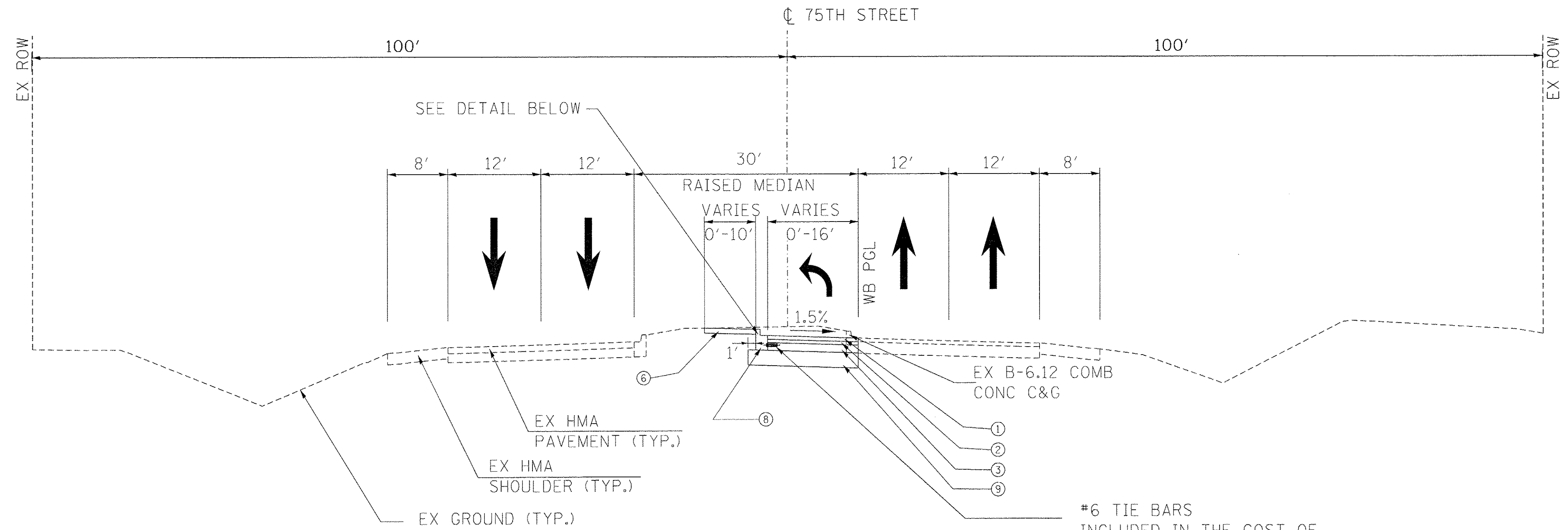
= REMOVALS



**EXISTING TYPICAL SECTION
75TH STREET**

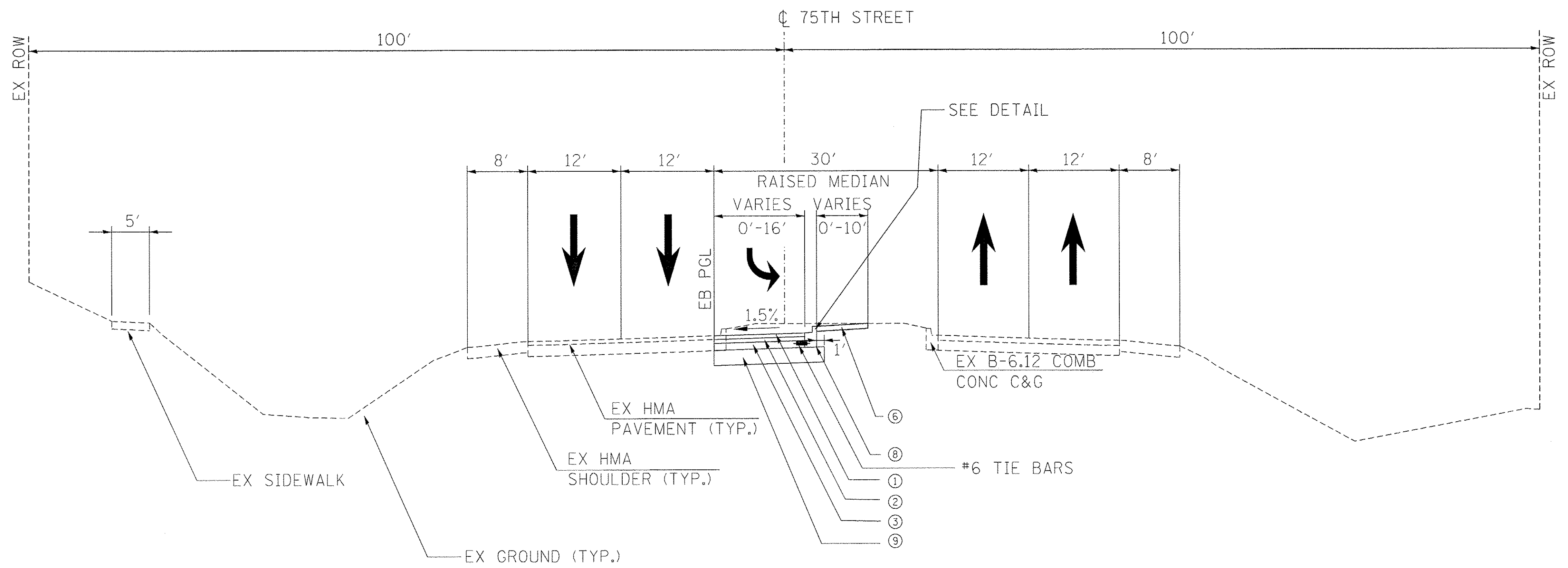
EAST OF BOOK ROAD
STA 109+00 TO 116+46.99

USER NAME = hwr_js	DESIGNED - DFN	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTION 75TH STREET		F.A.P. RTE. 0369	SECTION 13-00168-08-SP	COUNTY DuPAGE	TOTAL SHEETS 55	SHEET NO. 5	
PLOT SCALE = 10,000' / 1" = 10'	DRAWN - RJS	REVISED - _____		SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT				
PLOT DATE = 7/13/2016	CHECKED - KJK	REVISED - _____		CONTRACT NO. 61C89							
	DATE - 06/2016	REVISED - _____									



**PROPOSED TYPICAL SECTION
75TH STREET**

WEST OF BOOK ROAD
STA 102+66.47 TO 109+00

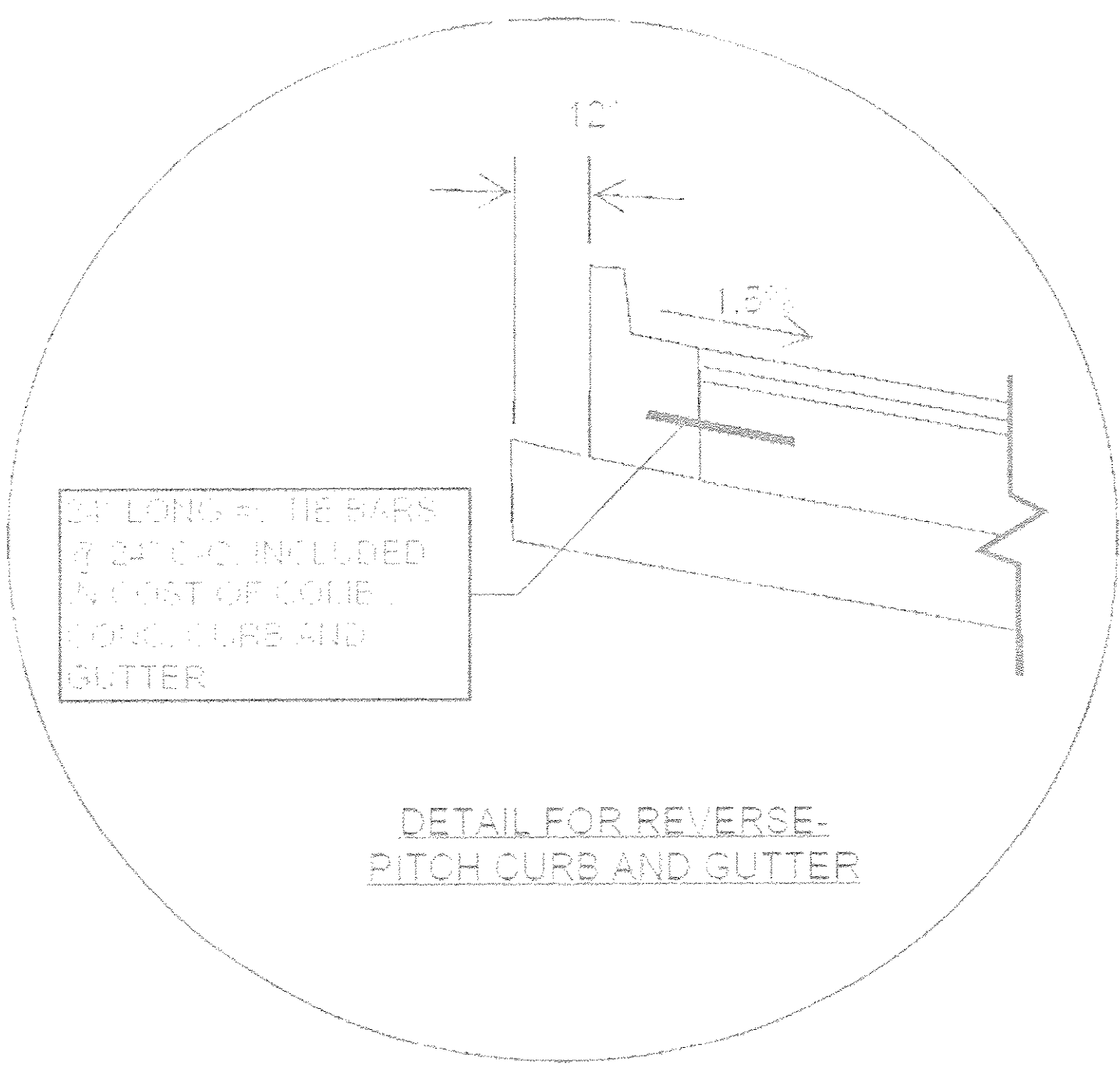


**PROPOSED TYPICAL SECTION
75TH STREET**

EAST OF BOOK ROAD
STA 109+00 TO 116+46.99

PROPOSED

- ① 1.75" POLY. HOT MIX ASPHALT SURFACE COURSE
- ② 2.25" HOT MIX ASPHALT BINDER COURSE
- ③ 8" P.C.C. BASE COURSE
- ④ 12" AGGREGATE SUBGRADE IMPROVEMENT
- ⑤ 7" HMA BASE COURSE
- ⑥ SUBSTITUTE 7" PCC BASE COURSE
WHEN WIDTH < 6" WIDE
- ⑦ TOPSOIL AND SEEDING WITH EROSION CONTROL BLANKET
- ⑧ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
- ⑨ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑩ 16" AGGREGATE SUBGRADE IMPROVEMENT
- ⑪ EX GROUND SURFACE
- ⑫ EX BIKE PATH MATERIAL TO BE REMOVED (HMA OR AGG)
- ⑬ 8" PR AGGREGATE PATH
- ⑭ 2" LIMESTONE SCREENING SURFACE
- ⑮ 6" AGGREGATE BASE



USER NAME = hwr.js	DESIGNED - DFN	REVISED - _____
	DRAWN - RJS	REVISED - _____
PLOT SCALE = 10,000 / in.	CHECKED - KJK	REVISED - _____
PLOT DATE = 7/18/2016	DATE - 06/2016	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTION
75TH STREET**

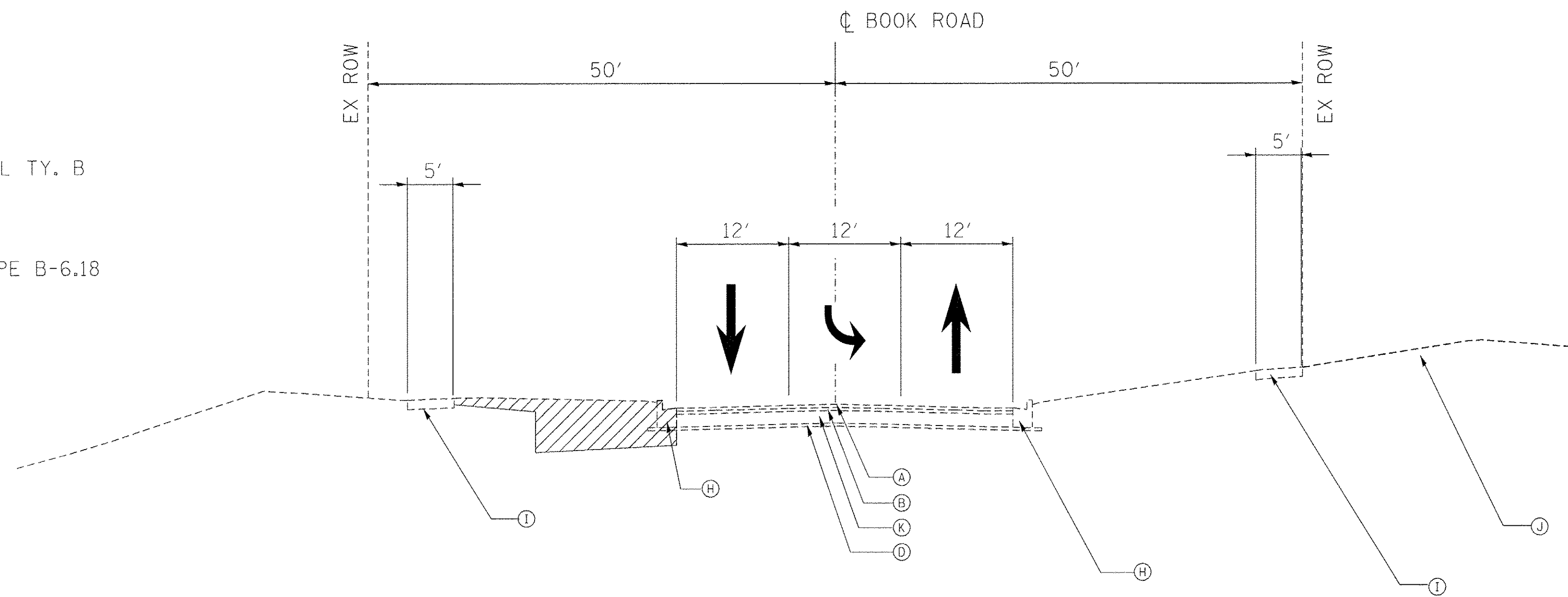
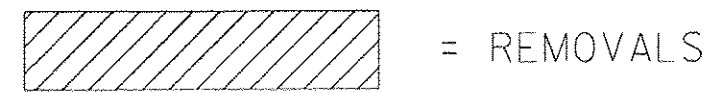
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	13-00168-08-SP	DuPAGE	55	6
CONTRACT NO. 61C89			ILLINOIS FED. AID PROJECT	

EXISTING CONDITIONS

- Ⓐ 1.5" BITUMINOUS SURFACE COURSE
- Ⓑ 2" BITUMINOUS BINDER COURSE
- Ⓒ 15" BAM BASE COURSE
- Ⓓ 4" & VARIES SUB-BASE GRANULAR MATERIAL TY. B
- Ⓔ 9" P.C.C. BASE COURSE
- Ⓕ 2.5" BITUMINOUS BINDER COURSE
- Ⓖ 8" BITUMINOUS BASE COURSE
- Ⓗ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
- Ⓘ P.C.C. SIDEWALK 5'
- Ⓢ EXISTING GROUND
- Ⓚ 12" HMA BASE COURSE

LEGEND

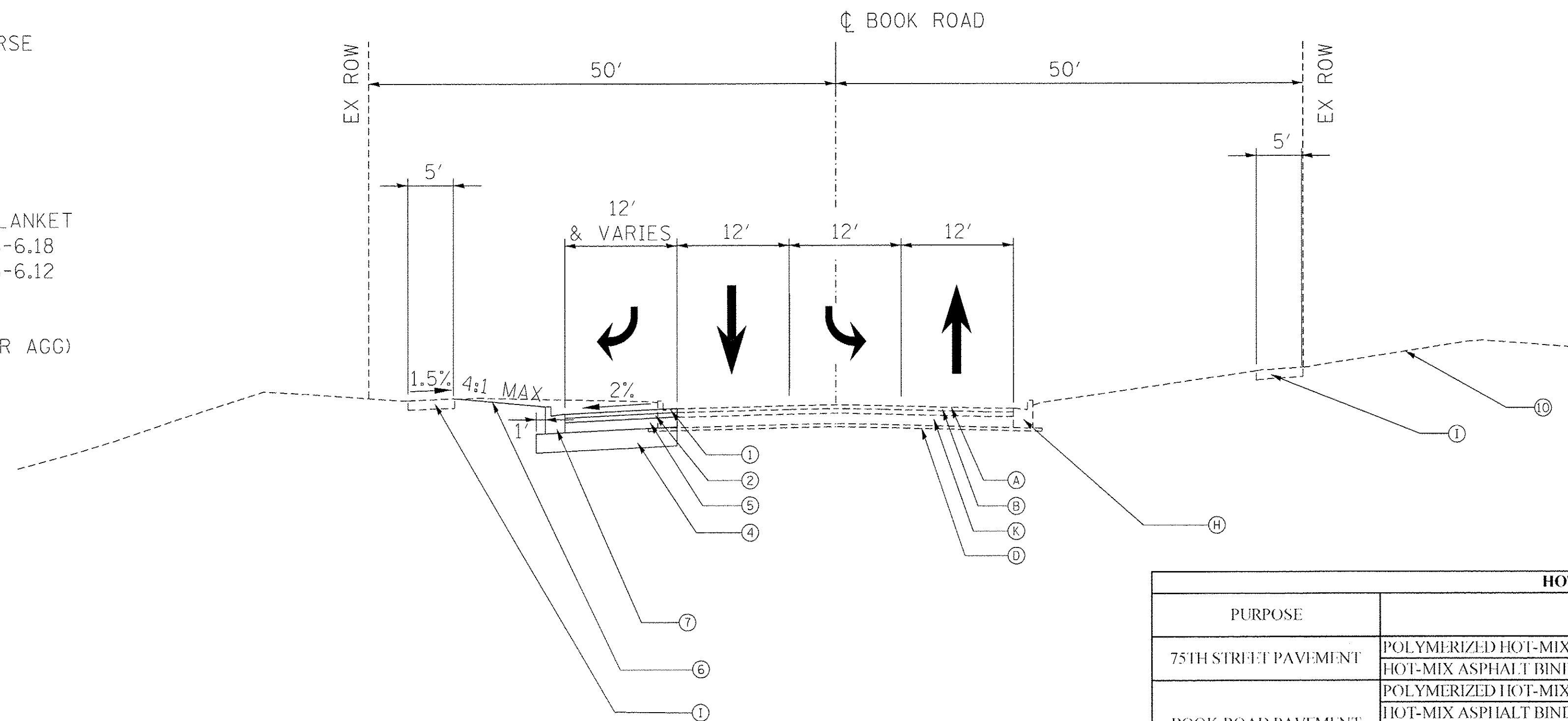


**EXISTING TYPICAL SECTION
BOOK ROAD**

EXISTING CONDITIONS NORTH OF 75TH STREET
STA 10+80.61 TO 15+67.63

PROPOSED

- ① 1.75" POLY. HOT MIX ASPHALT SURFACE COURSE
- ② 2.25" HOT MIX ASPHALT BINDER COURSE
- ③ 8" P.C.C. BASE COURSE
- ④ 12" AGGREGATE SUBGRADE IMPROVEMENT
- ⑤ 7" HMA BASE COURSE
- SUBSTITUTE 7" PCC BASE COURSE
WHEN WIDTH < 6" WIDE
- ⑥ TOPSOIL AND SEEDING WITH EROSION CONTROL BLANKET
- ⑦ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
- ⑧ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑨ 16" AGGREGATE SUBGRADE IMPROVEMENT
- ⑩ EX GROUND SURFACE
- ⑪ EX BIKE PATH MATERIAL TO BE REMOVED (HMA OR AGG)
- ⑫ 8" PR AGGREGATE PATH
- 2" LIMESTONE SCREENING SURFACE
- 6" AGGREGATE BASE



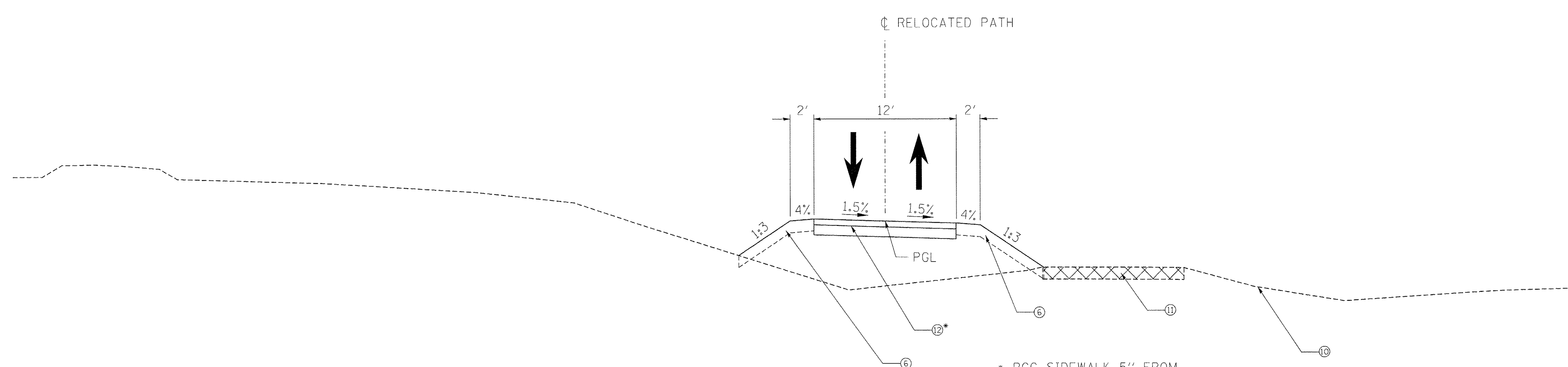
**PROPOSED TYPICAL SECTION
BOOK ROAD**

PROPOSED SECTION NORTH OF 75TH STREET
STA 10+80.61 TO 15+67.63

** NOTE: WHEN PCC BASE COURSE IS USED, IT SHALL BE TIED TO THE PROPOSED CURB AND GUTTER WITH 24"-LONG #6 TIE BARS AT 24" C-C

HOT-MIX ASPHALT MIXTURE REQUIREMENTS				
PURPOSE	MIXTURE TYPE	THICKNESS	LIFT THICKNESS	AIR VOIDS @ Nos
75TH STREET PAVEMENT	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	1.75"	1.75"	4% @ 70 Gyr.
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	2.25"	2.25"	4% @ 90 Gyr.
BOOK ROAD PAVEMENT	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	1.75"	1.75"	4% @ 70 Gyr.
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	2.25"	2.25"	4% @ 90 Gyr.
BOOK ROAD RESURFACING	HMA BASE COURSE	7"	2.25" MIN 4" MAX	4% @ 90 Gyr.
	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	1.75"	1.75"	4% @ 70 Gyr.
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	2.25"	2.25"	4% @ 90 Gyr.

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQYD/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.



- PROPOSED PATH**
- ① 1.75" POLY. HOT MIX ASPHALT SURFACE COURSE
 - ② 2.25" HOT MIX ASPHALT BINDER COURSE
 - ③ 8" P.C.C. BASE COURSE
 - ④ 12" AGGREGATE SUBGRADE IMPROVEMENT
 - ⑤ 7" HMA BASE COURSE
 - SUBSTITUTE 7" PCC BASE COURSE WHEN WIDTH < 6" WIDE
 - ⑥ TOPSOIL AND SEEDING WITH EROSION CONTROL BLANKET
 - ⑦ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
 - ⑧ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - ⑨ 16" AGGREGATE SUBGRADE IMPROVEMENT
 - ⑩ EX GROUND SURFACE
 - ⑪ EX BIKE PATH MATERIAL TO BE REMOVED (HMA OR AGG)
 - ⑫ 8" PR AGGREGATE PATH
 - 2" LIMESTONE SCREENING SURFACE
 - 6" AGGREGATE BASE

**PROPOSED TYPICAL SECTION
RELOCATED PATH**
STA. 200+00.00 TO STA. 203+91.35

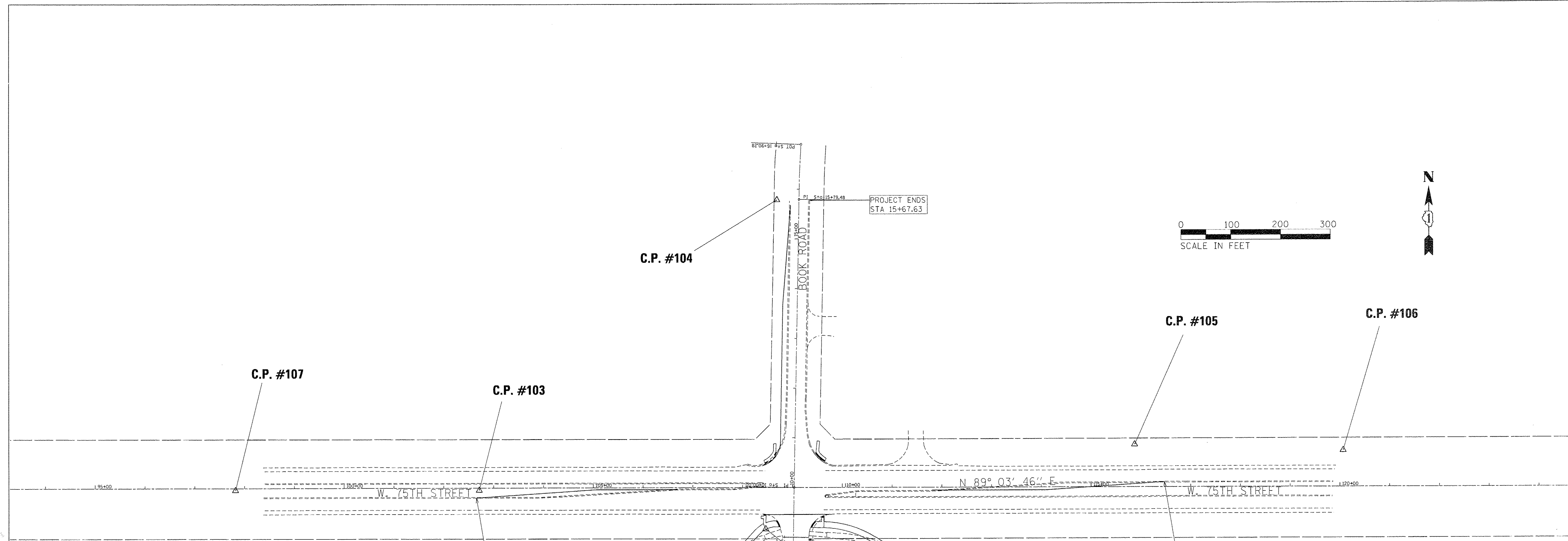
* PCC SIDEWALK 5" FROM
STA. 201+20.25 TO STA. 201+49.95 AND
STA. 202+16.62 TO STA. 202+40.10

USER NAME = hwrjs	DESIGNED - DFN	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTION RELOCATED PATH		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 10.0000' / in.	DRAWN - RJS	REVISED - _____				0369	13-00168-08-SP	DUPAGE	55	8
PLOT DATE = 7/18/2016	CHECKED - KJK	REVISED - _____		SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT				
	DATE - 06/2016	REVISED - _____				CONTRACT NO. 61C89				

EARTHWORK SCHEDULE				
EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
	CU YD	CU YD	CU YD	CU YD
1054	896	213	+683	637

SINCE THERE IS A POSITIVE BALANCE, FURNISHED EXCAVATION IS NOT REQUIRED.

USER NAME = hrjjs	DESIGNED - KJK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - RJS	REVISED -			0369	13-00168-08-SP	DUPAGE	55	9	
PLOT SCALE = 1/4" = 10'-0"	CHECKED - KJK	REVISED -			CONTRACT NO. 61C89					
PLOT DATE = 6/20/2016	DATE - 06/2016	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO
ILLINOIS FED. AID PROJECT										



BENCHMARKS		
BM#	DESCRIPTION	ELEVATION
BM 159	LOCATED ON EASTSIDE OF BOOK RD, APPROXIMATELY 3200FT SOUTH OF THE CENTERLINE OF 75TH ST.	674.52
BM A	CUT SQUARE ON THE CONCRETE FOUNDATION OF THE TRAFFIC SIGNAL MAST ARM ON THE NW CORNER OF BOOK & 75TH ST.	696.70
BM B	SET RR SPIKE ON THE 7TH POWER POLE EAST OF BOOK RD, NORTH OF 75TH ST	693.15
CP 101	SET 5/8" IRON ROD ± 280 SOUTH OF 75TH PAVEMENT AND 16.7' WEST OF BOOK RD.	689.489
CP 102	CUT "X" ON SOUTHWEST SIDEWALK TO BIT. BIKE PATH APPROXIMATELY 27FT FROM SW CORNER OF 75TH AND BOOK RD.	692.763
CP 103	SET 5/8" IRON ROD IN GRASS MEDIAN ±13FT SOUTH OF NORTHERLY CURB FACE ±625ft WEST OF BOOK RD & 75TH ST AND ±166' WEST OF LEFT TURN ONLY SIGN	702.041
CP104	CUT "X" ON SIDEWALK ±12' WEST OF FIRE HYDRANT ON WEST SIDE OF BOOK RD, APPROXIMATELY 550FT NORTH OF 75TH ST.	702.699
CP 105	CUT "X" ON SIDEWALK ±12' WEST OF FIRE HYDRANT ON WEST SIDE OF BOOK RD, APPROXIMATELY 550FT NORTH OF 75TH ST.	692.498
CP 106	SET 5/8" IRON ROD ±30' NORTH OF WESTBOUND 75TH ST EDGE OF PAVEMENT AND APPROXIMATELY 1100' EAST OF BOOK RD	686.948
CP107	SET 5/8" IRON ROD IN GRASS MEDIAN ±13' SOUTH OF THE NORTHERLY CURB FACE ±1100' WEST OF BOOK RD AT BOOK RD SIGN	704.053

PROP. CURVE PR_PATH_NEW-1
 PI STA. = 201+24.53
 $\Delta = 48^\circ 45' 52''$ (RT)
 D = 114° 35' 30"
 R = 50.00'
 T = 22.66'
 L = 42.56'
 E = 4.90'
 P.C. STA. = 201+01.87
 P.T. STA. = 201+44.42

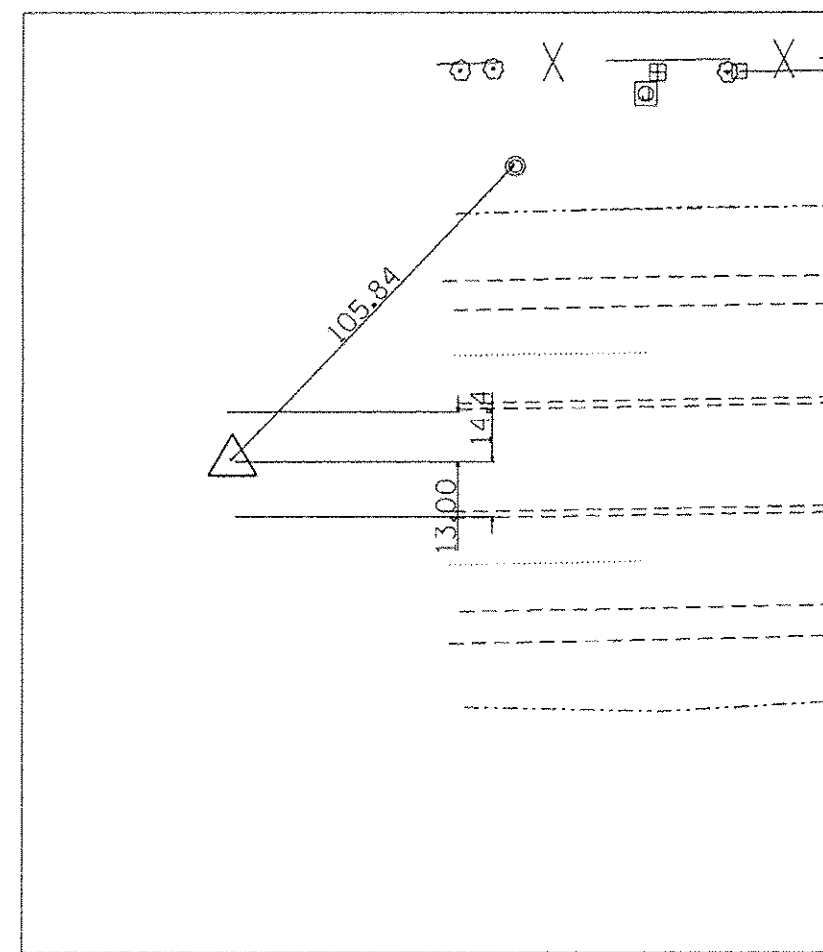
PROP. CURVE PR_PATH_NEW-2
 PI STA. = 202+93.93
 $\Delta = 30^\circ 43' 13''$ (RT)
 D = 28° 38' 52"
 R = 200.00'
 T = 54.94'
 L = 107.23'
 E = 7.41'
 P.C. STA. = 202+38.99
 P.T. STA. = 203+46.22

C.P. #101

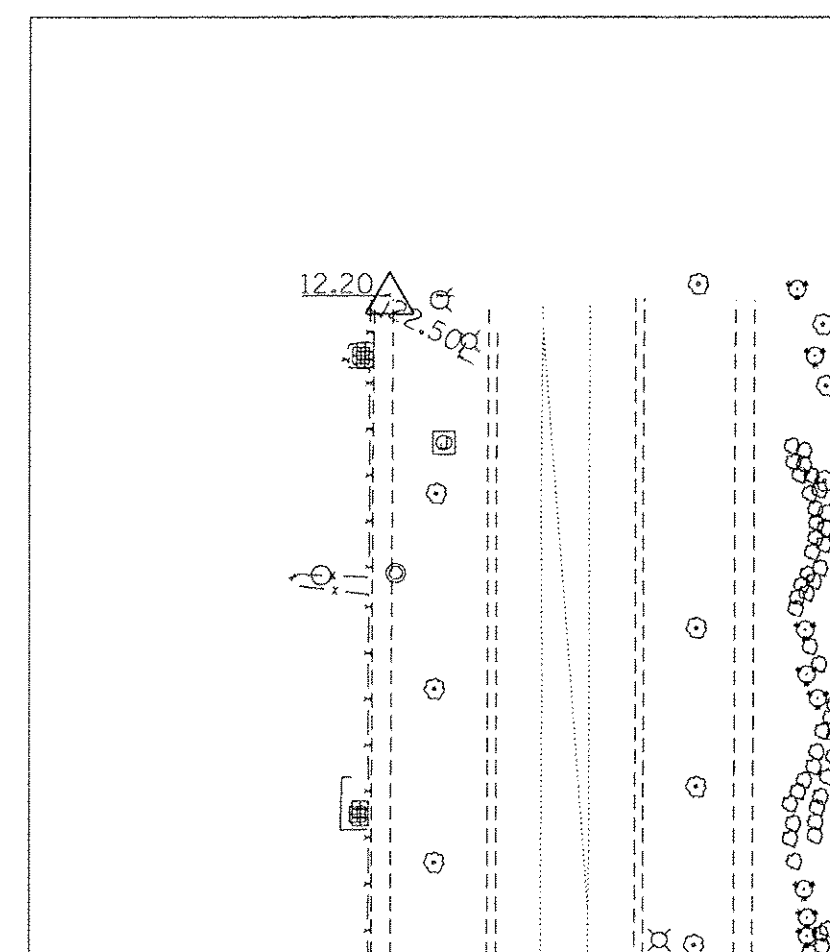
C.P. #102

**DUPAGE COUNTY
 BENCHMARK #159**
 ELEVATION 674.52 FT
 GEODETIC SURVEY MONUMENT
 LOCATED ALONG EAST SIDE OF
 BOOK RD. APPROXIMATELY 3200 FT
 SOUTH OF INTERSECTION OF BOOK RD.
 AND 75TH ST. (BASED ON NAVD 88)

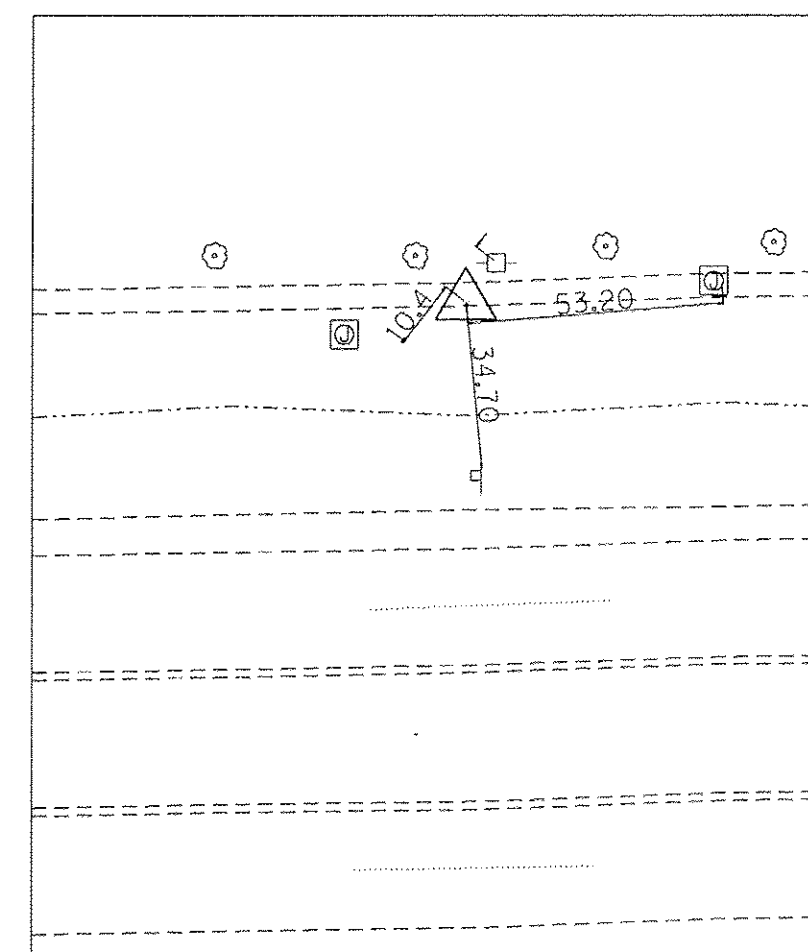
CONTROL POINT LOCATIONS				
C.P. #	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	1850242.691	1024280.014	689.489	103-SET NAIL
102	1850494.854	1024257.056	692.763	103-CUT X
103	1850564.259	1023680.668	702.042	103-SET NAIL
104	1851156.994	1024268.844	702.699	103-CUT X
105	1850675.351	1024995.338	692.498	103-CUT X
106	1850669.570	1025414.685	686.948	103-SET NAIL
107	1850556.688	1023191.493	704.053	103-SET NAIL



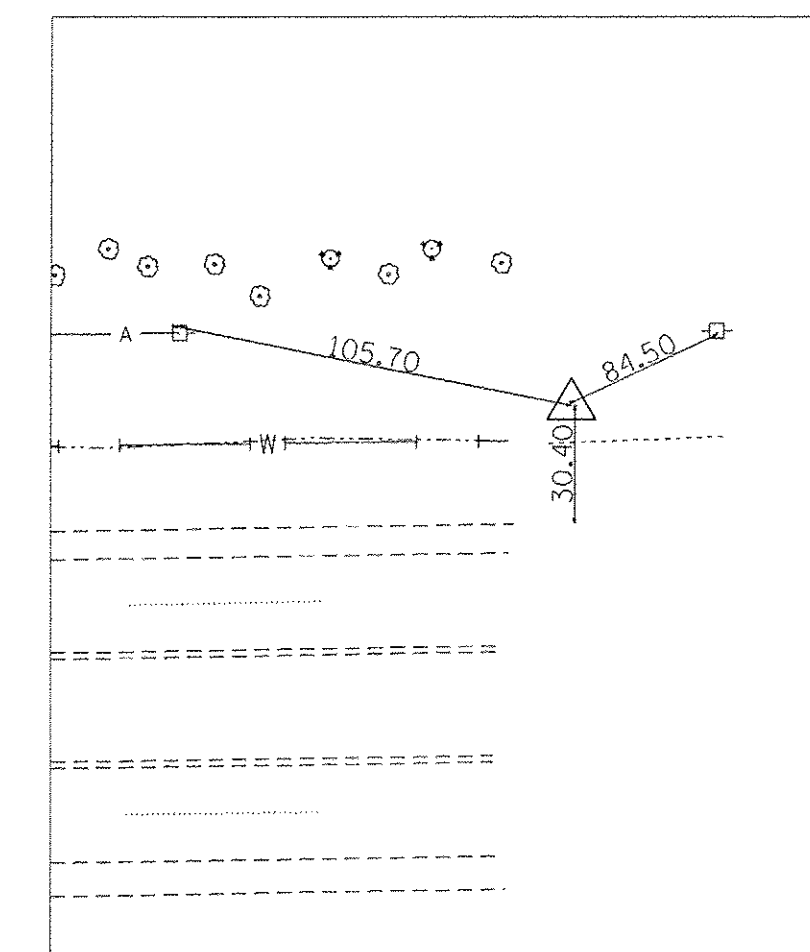
CONTROL POINT #107
 SET 5/8" IRON ROD IN GRASS MEDIAN
 STATION 97+81.92
 N: 1850556.688
 E: 1023191.493



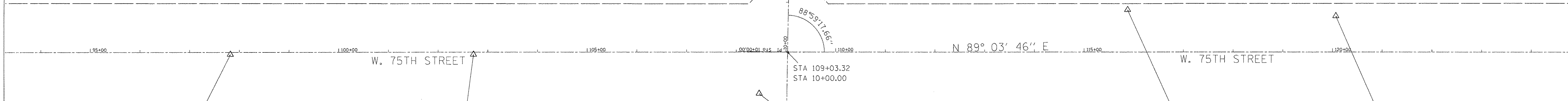
CONTROL POINT #104
 CUT 'X' ON SIDEWALK
 STATION 15+77.75
 N: 1851156.994
 E: 1024268.844



CONTROL POINT #105
 CUT 'X' ON SIDEWALK
 STATION 15+87.47
 N: 1850675.351
 E: 1024995.338



CONTROL POINT #106
 SET 5/8" IRON ROD IN GRASS SHOULDER
 STATION 120+06.66
 N: 1850669.570
 E: 1025414.685



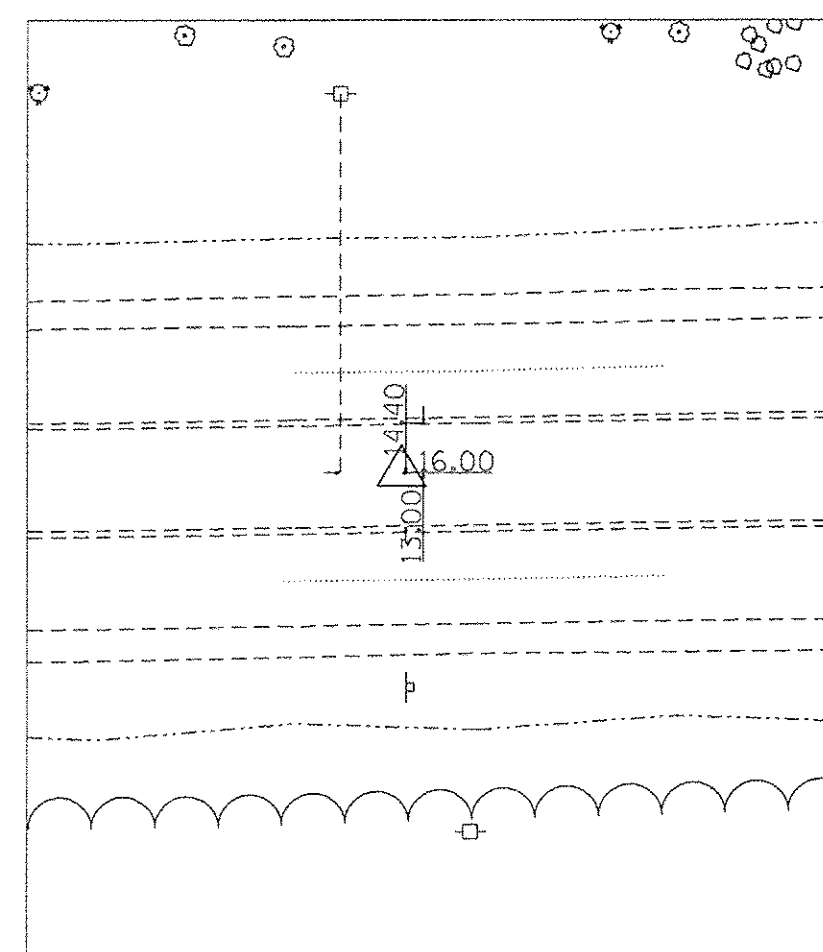
C.P. #107

C.P. #103

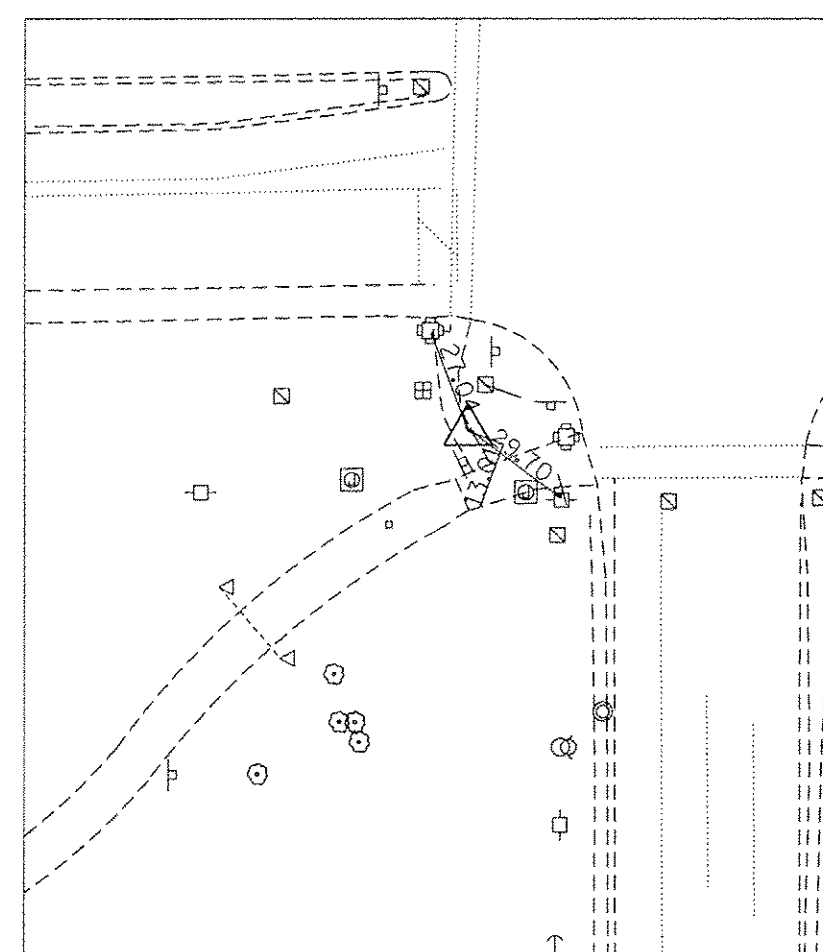
C.P. #102

C.P. #105

C.P. #106

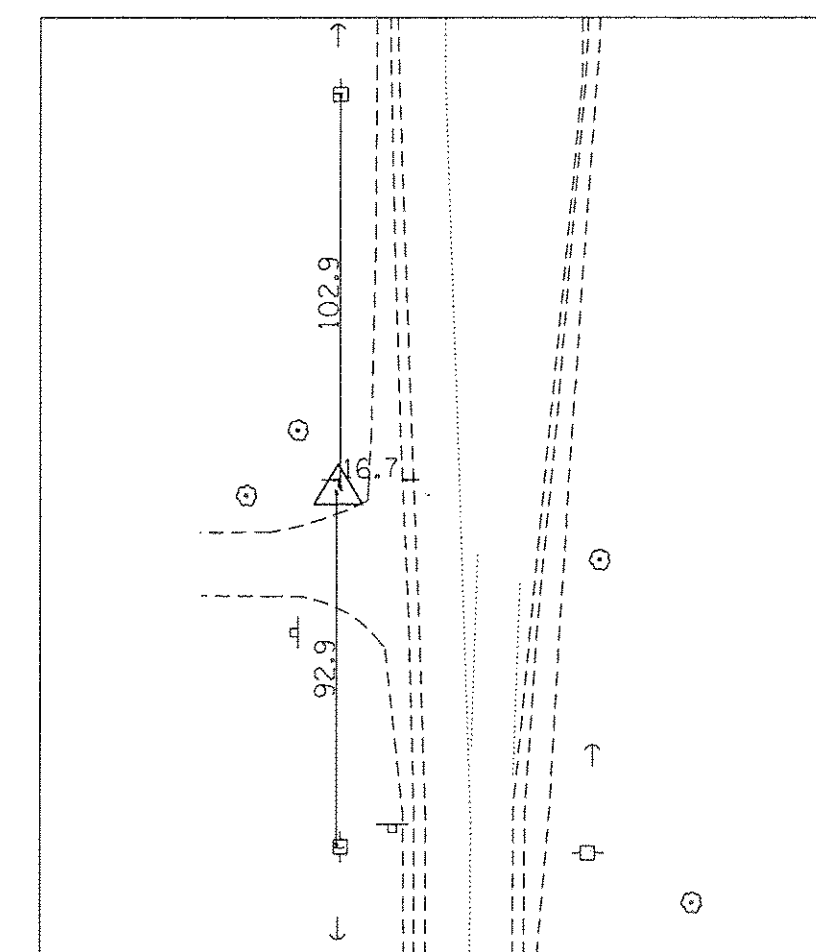


CONTROL POINT #103
 SET 5/8" IRON ROD IN GRASS MEDIAN
 STATION 102+71.16
 N: 1850564.259
 E: 1023680.668



CONTROL POINT #102
 CUT 'X' ON SIDEWALK
 STATION 108+46.33
 N: 1850494.854
 E: 102457.056

C.P. #101



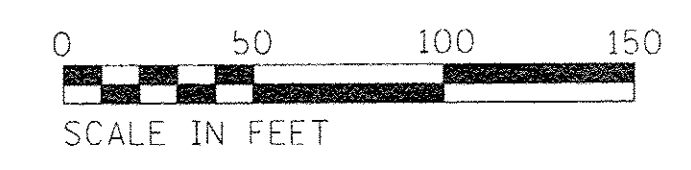
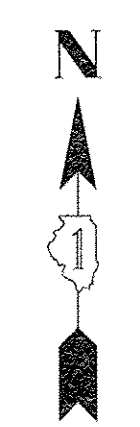
CONTROL POINT #101
 SET 5/8" IRON ROD IN GRASS SHOULDER
 STATION 6+63.55
 N: 1850242.691
 E: 1024280.014

**DUPAGE COUNTY
 BENCHMARK #159**

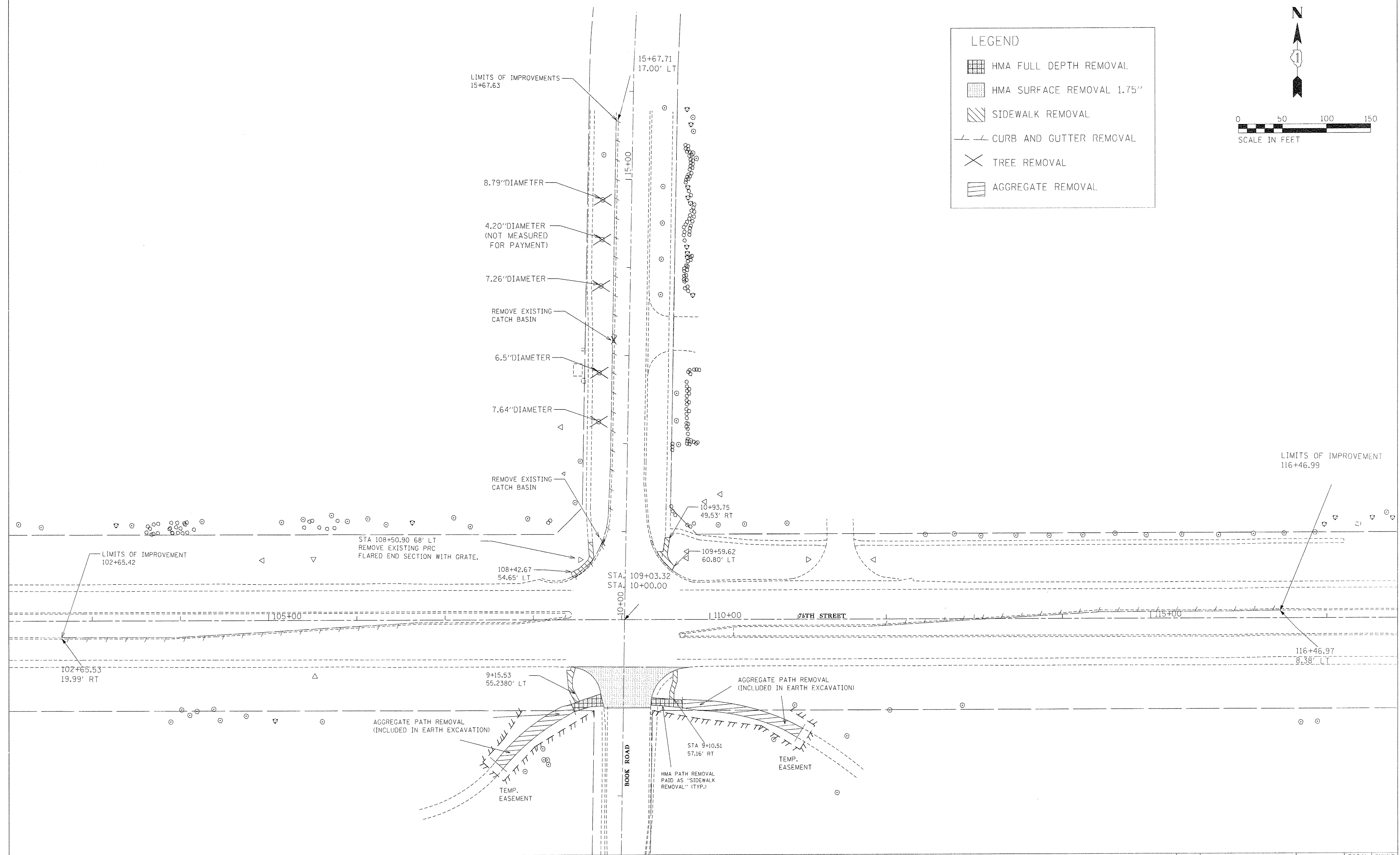
ELEVATION 674.52 FT
 GEODETIC SURVEY MONUMENT
 LOCATED ALONG EAST SIDE OF
 BOOK RD. APPROXIMATELY 3200 FT
 SOUTH OF INTERSECTION OF BOOK RD.
 AND 75TH ST. (BASED ON NAVD 88)



USER NAME = hwrjs	DESIGNED - RJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES, & BENCHMARKS			F.A.P. RTE. 0369	SECTION 13-00168-08-SP	COUNTY DuPAGE	TOTAL SHEETS 55	SHEET NO. 11
PLOT SCALE = 1/8" = 20' / 1" / 1/2"	CHECKED - KJK	REVISED -					SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____
PLOT DATE = 6/20/2016	DATE - 06/2016	REVISED -									



LEGEND	
	HMA FULL DEPTH REMOVAL
	HMA SURFACE REMOVAL 1.75"
	SIDEWALK REMOVAL
	CURB AND GUTTER REMOVAL
	TREE REMOVAL
	AGGREGATE REMOVAL



USER NAME = hwr_js	DESIGNED - _____	REVISED - _____
PLOT SCALE = 50.0000' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 7/14/2016	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

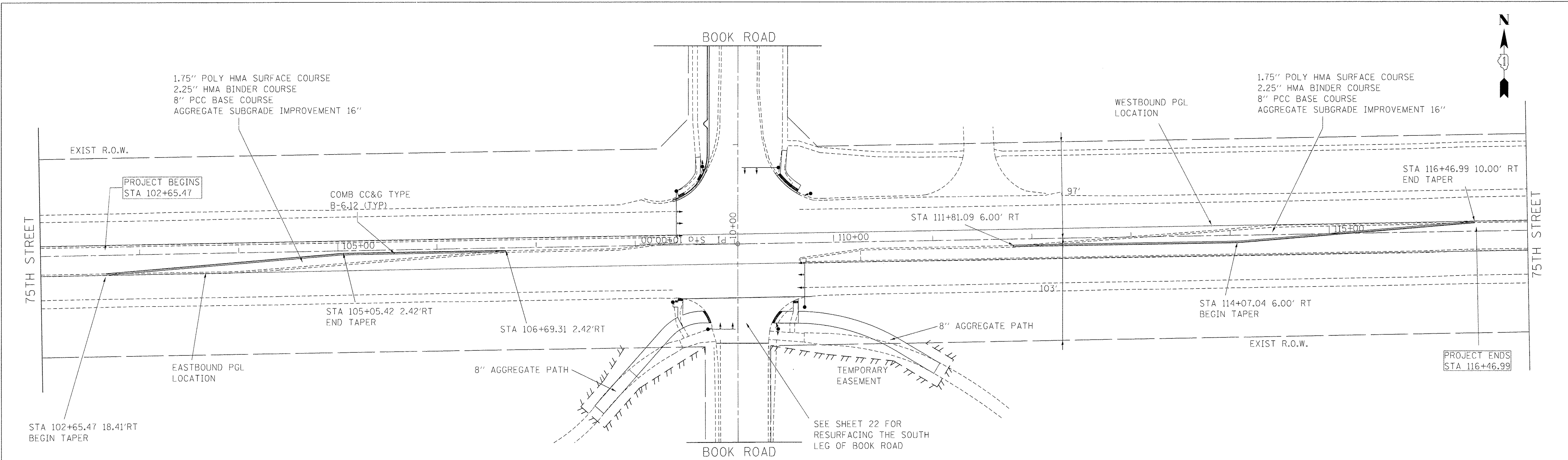
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

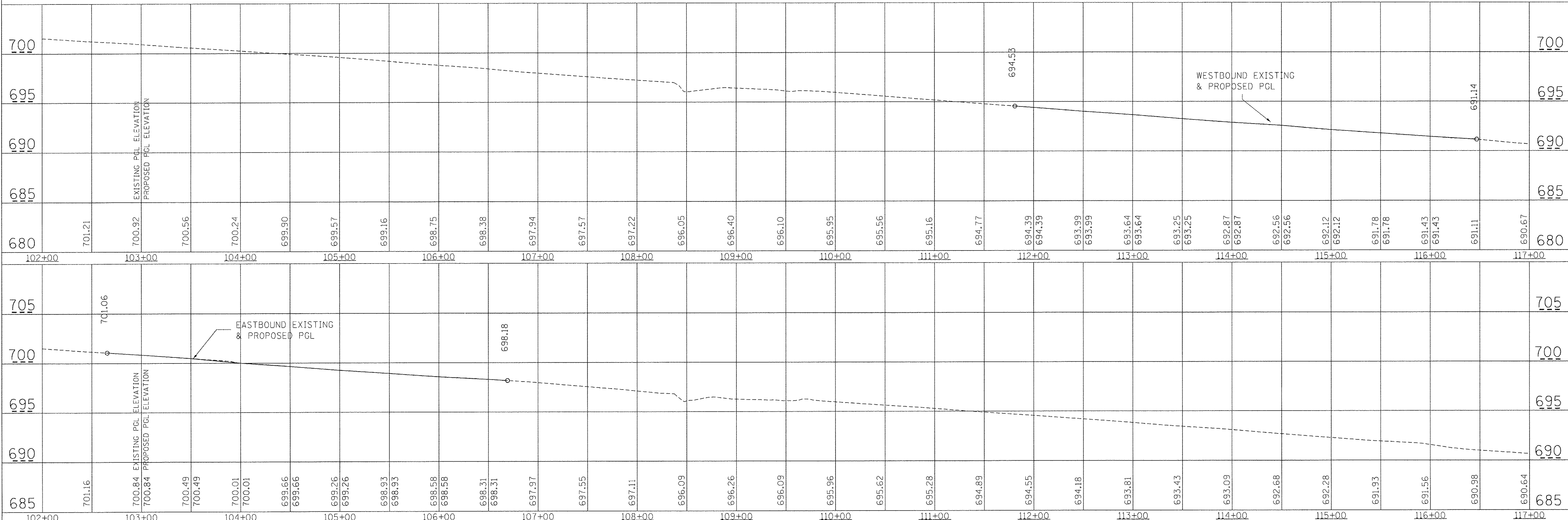
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. 369	SECTION 13-00168-08-SP	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 12
CONTRACT NO. 61CB9				
ILLINOIS FED. AID PROJECT				

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



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHK'D	
	NO.	



USER NAME = fhwjjs	DESIGNED - _____	REVISED - _____
PLOT SCALE = 50.00' / 1" =	CHECKED - _____	REVISED - _____
PLOT DATE = 7/18/2016	DRAWN - _____	REVISED - _____
	CHECKED - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE		75TH STREET	
SCALE:	SHEET	OF	SHEETS
		STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	13-00168-08-SP	DuPAGE	55	13
CONTRACT NO. 61C89			ILLINOIS FED. AID PROJECT	

75TH STREET

DETECTABLE WARNINGS (TYP.)

8" AGGREGATE PATH

MATCH EXISTING PATH WIDTH AND ELEVATION (TYP.)

8" AGGREGATE PATH

5" PCC SIDEWALK

5" PCC SIDEWALK

STA 203+91.35

BOOK ROAD

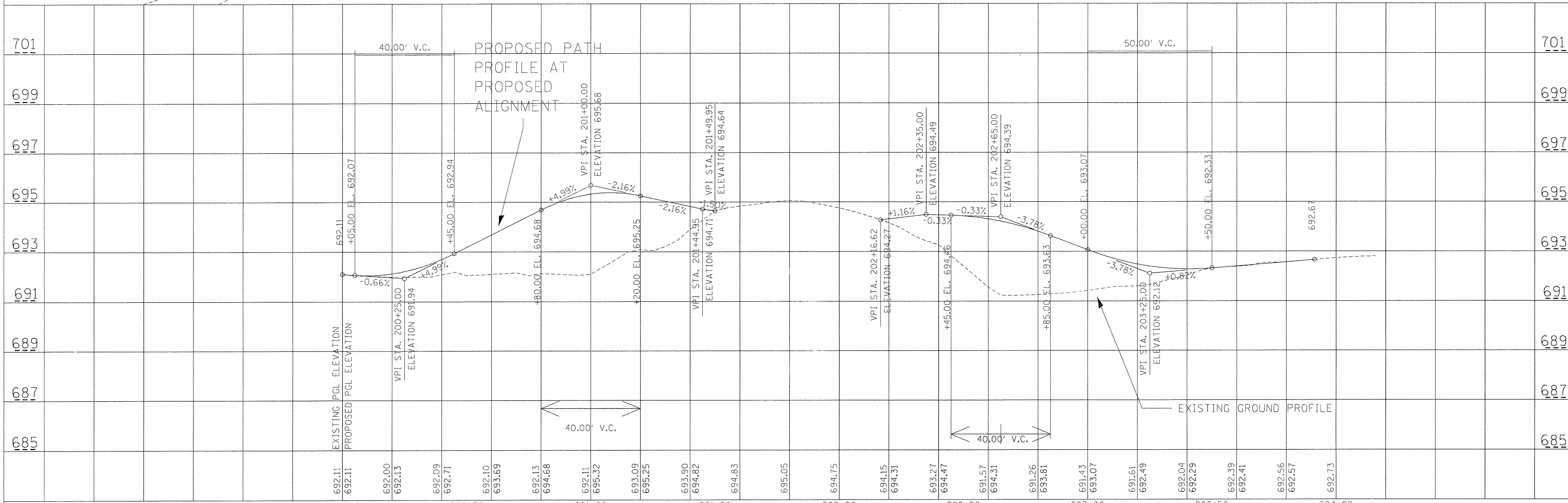


PROP. CURVE PR_PATH-1
 PI STA. = 201+24.53
 Δ = 48° 45' 52" (RT)
 D = 114° 35' 30"
 R = 50.00'
 T = 22.66'
 L = 42.56'
 E = 4.90'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA = 201+01.87
 P.T. STA = 201+44.42

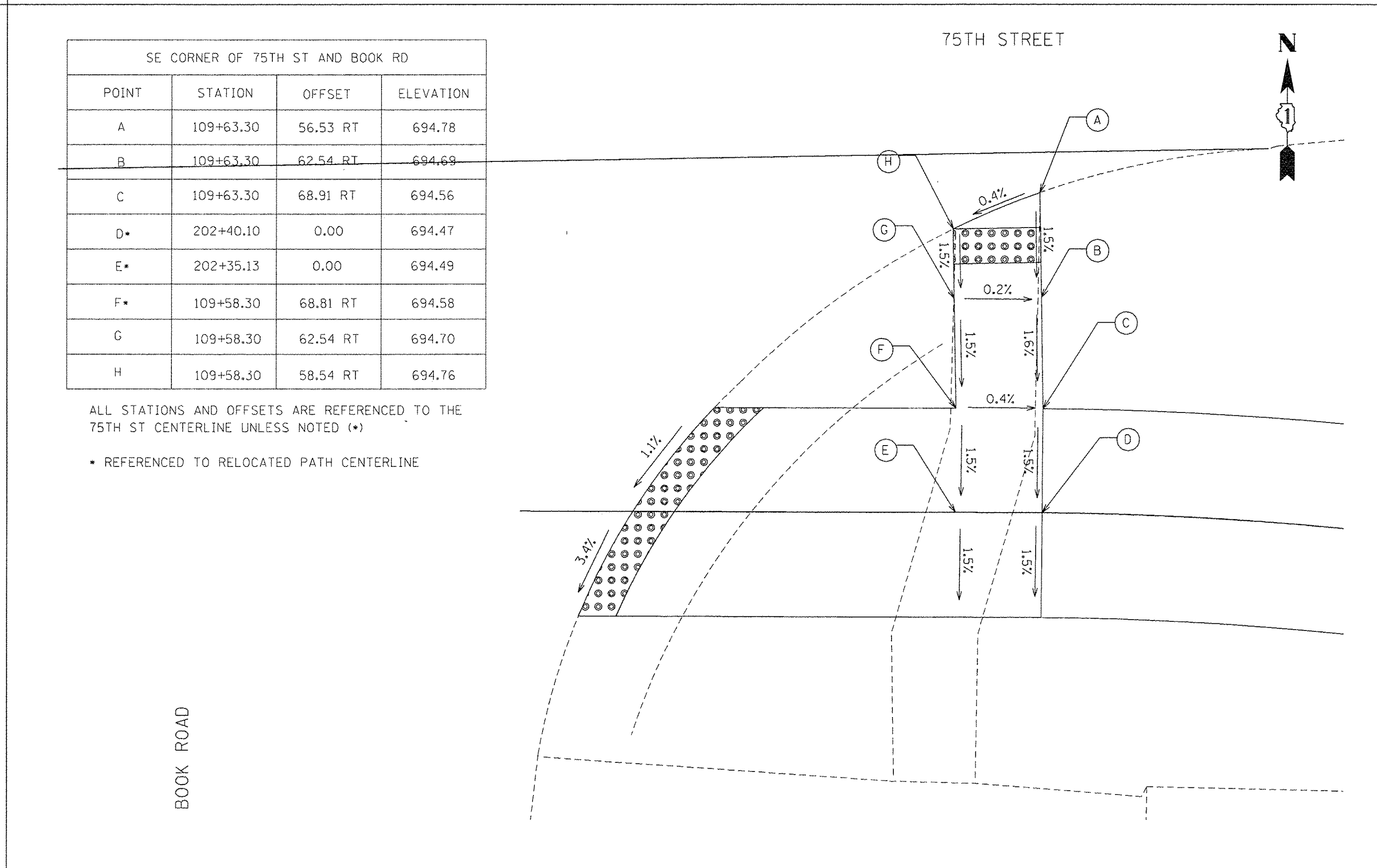
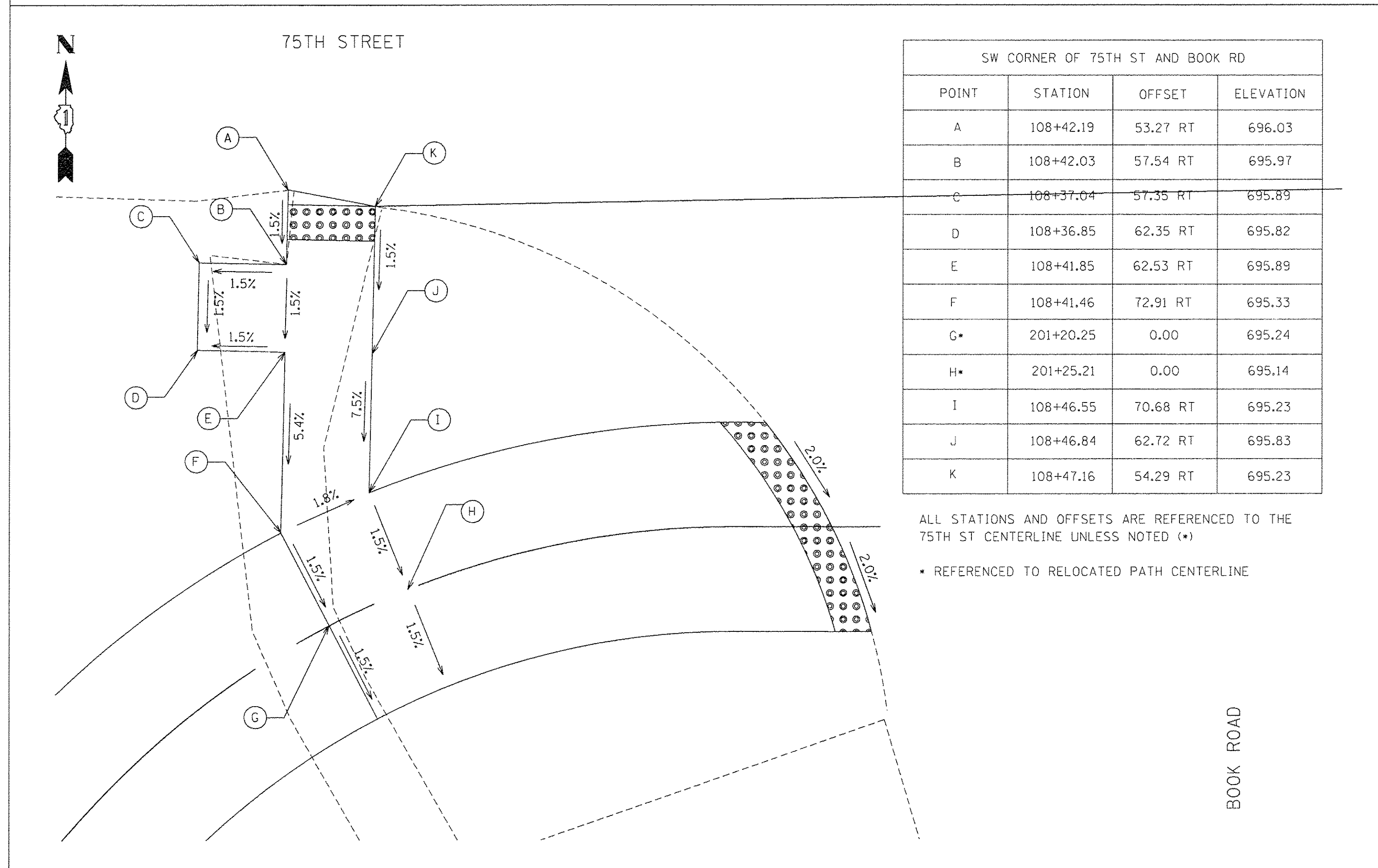
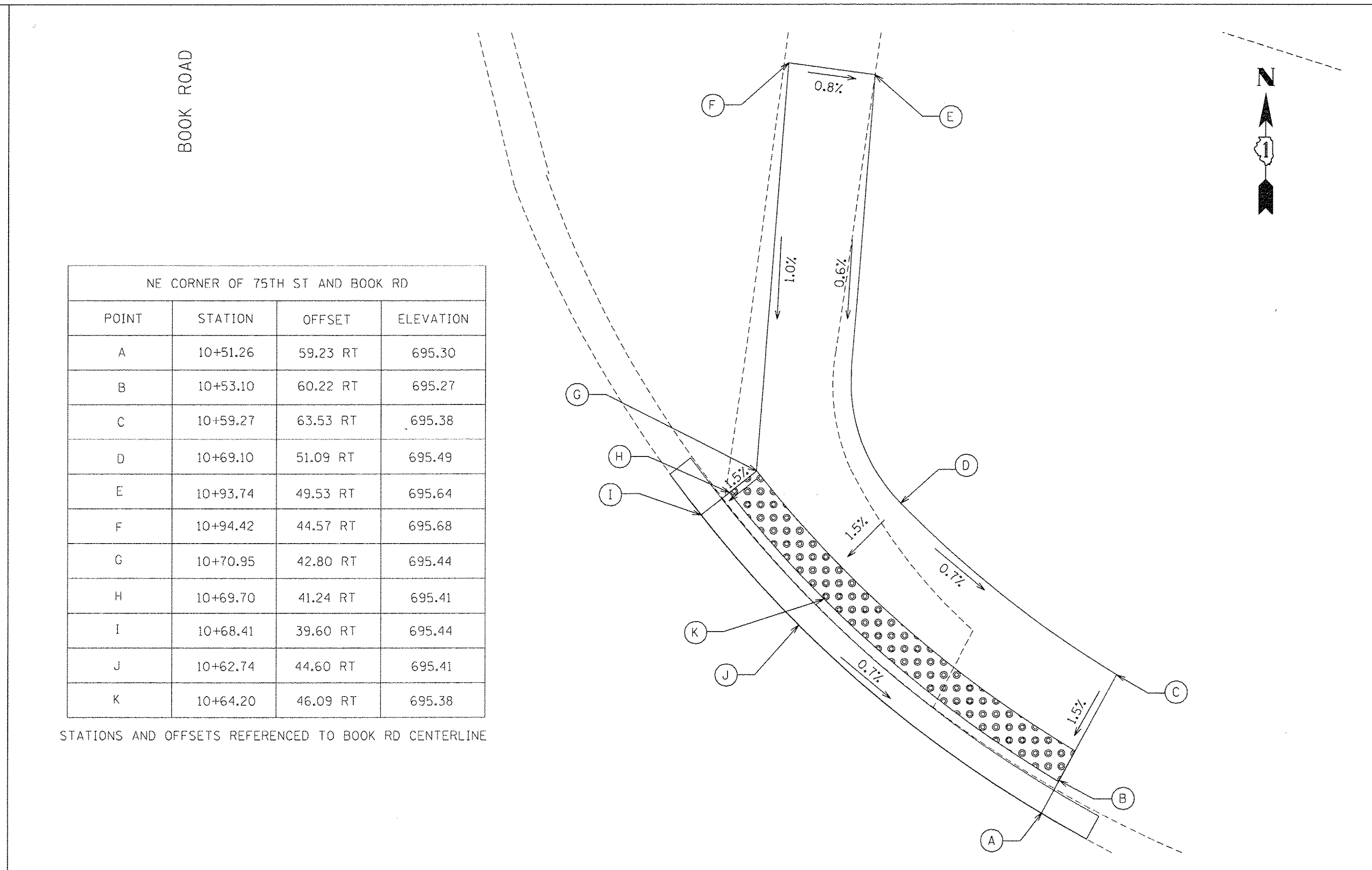
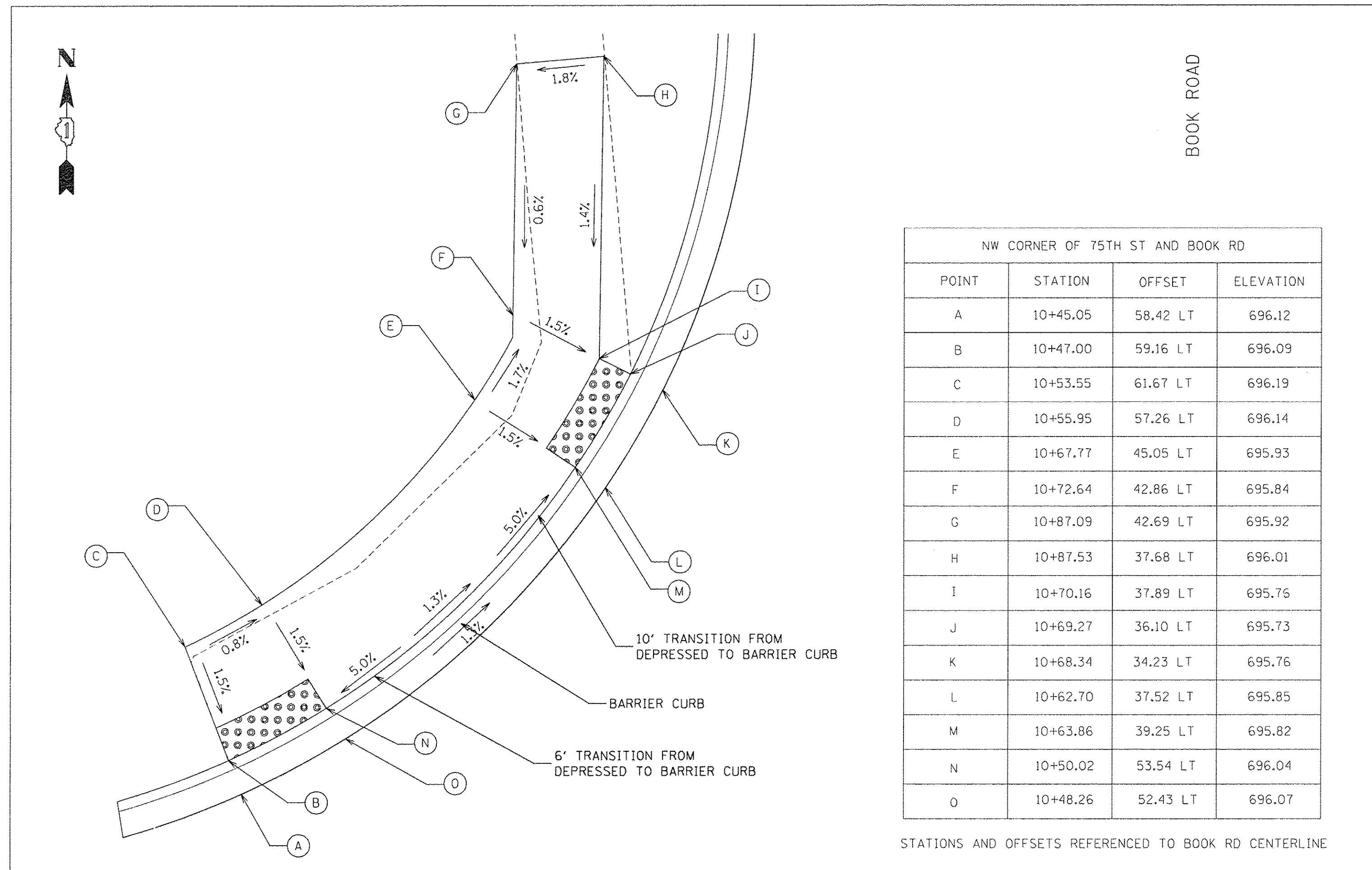
PROP. CURVE PR_PATH-2
 PI STA. = 202+93.93
 Δ = 30° 43' 13" (RT)
 D = 28° 38' 52"
 R = 200.00'
 T = 54.94'
 L = 107.23'
 E = 7.41'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA = 202+38.99
 P.T. STA = 203+46.22

DATE	
BY	
CHECKED	
DESIGNED	
NO.	
PROJECT	
DATE	
BY	
CHECKED	
DESIGNED	
NO.	
PROJECT	

DATE	
BY	
CHECKED	
DESIGNED	
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PROJECT	
DATE	
BY	
CHECKED	
DESIGNED	
NO.	
PROJECT	



USER NAME = hwrjs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE PROPOSED PATH	F.A.P. RTE. = 0369	SECTION = 13-00168-08-SP	COUNTY = DUPAGE	TOTAL SHEETS = 55	SHEET NO. = 15		
PLOT SCALE = 22.00' / 1"	CHECKED -	REVISED -			SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 61C89			
PLOT DATE = 6/22/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						



TRAFFIC CONTROL AND PROTECTION

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, TRAFFIC SIGNAL PLANS, THESE NOTES, APPLICABLE SPECIAL PROVISIONS, AND SECTION 701 OF THE STANDARD SPECIFICATIONS AS AMENDED BY THE SPECIAL PROVISION FOR WORK ZONE TRAFFIC CONTROL (CHECK SHEET LRS 3).

THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES MAY BE REMOVED BY THE DEPARTMENT AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE RELOCATED, MAINTAINED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGED OR LOST SIGNS WILL BE REPLACED BY THE CONTRACTOR.

TYPE I OR TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS SHALL BE REQUIRED ALONG TEMPORARY ROADS, DETOURS, AND SIDE STREETS TO DELINEATE THE TRAVELED WAY WITHIN THE CONSTRUCTION ZONE. THE MAXIMUM SPACING FOR THESE DEVICES SHALL BE 100 FEET CENTER TO CENTER.

ANY DROP OFF GREATER THAN THREE (3) INCHES WITHIN SIXTEEN (16) FEET OF A TRAVEL LANE SHALL BE PROTECTED BY TYPE I OR TYPE II BARRICADES, DRUMS OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING. IF THE DROP OFF IS GREATER THAN TWENTY-FOUR (24) INCHES AND EXISTS FOR LONGER THAN 24 HOURS, IT SHALL BE PROTECTED BY TEMPORARY CONCRETE BARRIER. TEMPORARY CONCRETE BARRIER SHALL HAVE MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING. THE CONTRACTOR SHALL SCHEDULE HIS WORK AND OPERATIONS SUCH THAT A DROP OFF OF GREATER THAN 24 INCHES DOES NOT REMAIN WITHIN SIXTEEN FEET OF A TRAVEL LANE FOR MORE THAN 24 HOURS. THE CONTRACTOR MAY PLACE COMPACTED EXCAVATED MATERIAL, AGGREGATE, OR OTHER MATERIAL IN THE DROP OFF TO SATISFY THIS REQUIREMENT. THE PLANS INDICATE AREAS (IF ANY) IN WHICH THE DEPARTMENT EXPECTS THAT TEMPORARY CONCRETE BARRIER WILL BE REQUIRED FOR A DROP OFF OF GREATER THAN 24 INCHES TO REMAIN FOR MORE THAN 24 HOURS. THE FURNISHING, PLACING, AND REMOVAL OF MATERIAL, OR ANY TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS, NOT SHOWN ON THE PLANS BUT REQUIRED IN ORDER TO MEET THESE REQUIREMENTS, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.

TYPE I OR TYPE II BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.

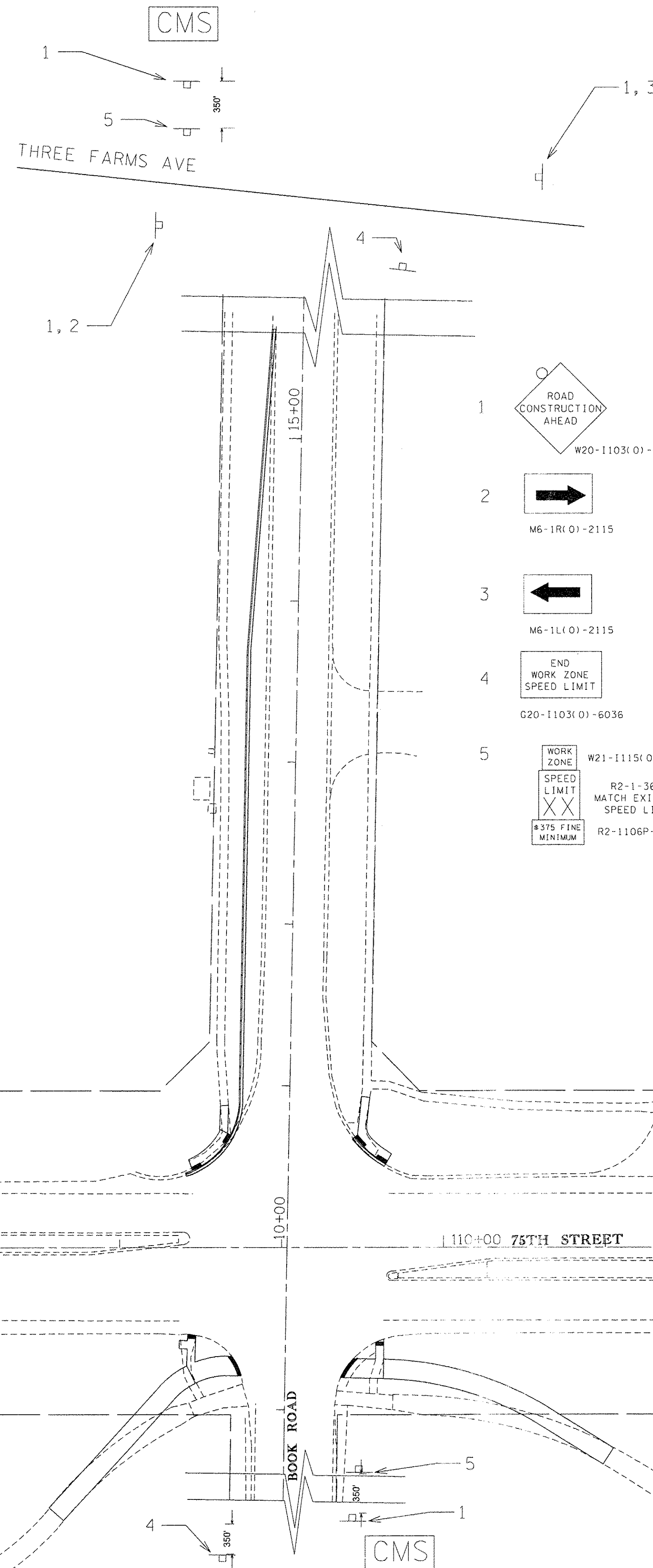
TYPE I, II AND / OR III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.

THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SIGNS WILL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.

WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.

ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.

PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.



THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC CONTROL FOR THIS PROJECT:

- 701101-05 Off-Road Operations, Multilane, 15'(4.5m)-24'(600mm) to Pavement Edge
- 701106-02 Off-Road Operations, Multilane, More Than 15'(4.5m) Away
- 701421-07 Lane Closure, Multilane, Day Operations Only, Speeds > 45MPH - 55MPH
- 701422-08 Lane Closure, Multilane, for Speeds > 45MPH - 55MPH
- 701501-06 Urban Lane Closure, 2L, 2W, Undivided
- 701601-09 Urban Lane Closure, Multilane, 1W or 2W with Nontraversable Median
- 701606-10 Urban Single Lane Closure, Multilane, 2W with Mountable Median
- 701701-10 Urban Lane Closure, Multilane Intersection
- 701801-06 Sidewalk, Corner or Crosswalk Closure
- 701901-05 Traffic Control Devices

CONSTRUCTION STAGING

LONG-TERM LANE CLOSURES WILL NOT BE ALLOWED.

DAILY LANE CLOSURES ARE ALLOWED AS FOLLOWS:

- o WESTBOUND 75" STREET: PRIOR TO 4 PM.
 - o EASTBOUND 75" STREET: AFTER 8 AM.
 - o NORTHBOUND BOOK ROAD: AFTER 8 AM.
 - o SOUTHBOUND BOOK ROAD: PRIOR TO 4 PM.
- ANY LANE CLOSURE IN PLACE OUTSIDE THE ALLOWABLE TIME PERIODS WILL BE CONSIDERED A TRAFFIC CONTROL DEFICIENCY.

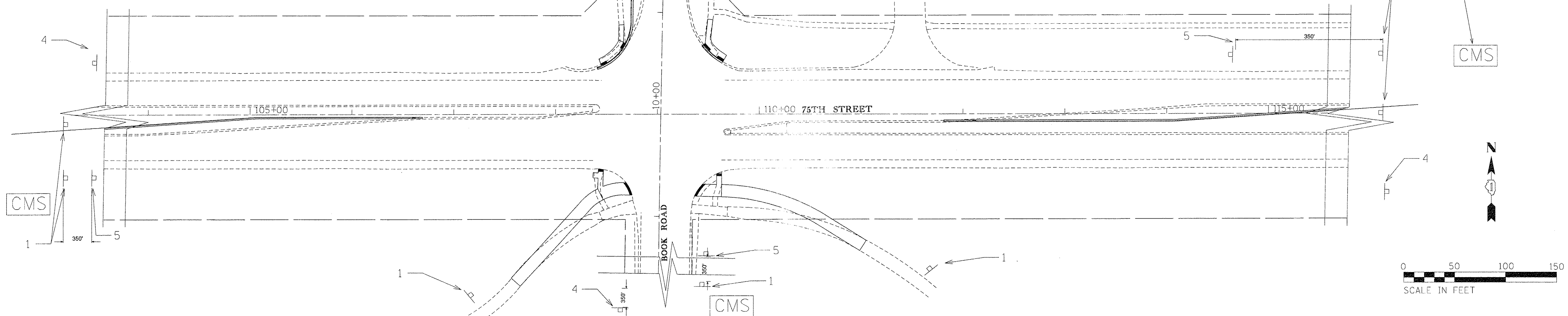
PEDESTRIAN ACCESS MAY BE MAINTAINED THROUGH A COMBINATION OF EXISTING OR PROPOSED PEDESTRIAN ROUTES AND THE USE OF AGGREGATE FOR TEMP ACCESS. THE CONTRACTOR SHALL PLAN THE SEQUENCE OF WORK SUCH THAT PEDESTRIAN ACCESS IS MAINTAINED THROUGH THE PROJECT LIMITS WITH AT LEAST THE FOLLOWING MINIMUM LEVELS OF ACCESS:

- o BIKE PATH AND CROSSWALK ACROSS SOUTH LEG OF BOOK ROAD: MUST REMAIN IN SERVICE AT ALL TIMES, EXCEPT FOR A SHORT TIME TO CONNECT THE PROPOSED WORK TO THE EXISTING PATH.
- o SIDEWALKS ON EAST AND WEST SIDES OF BOOK ROAD AND CROSSWALKS ACROSS EAST AND WEST LEGS OF 75" STREET: EITHER THE EAST SIDE OR THE WEST SIDE MUST BE IN SERVICE AT ANY GIVEN TIME WHILE THE OTHER SIDE MAY BE CLOSED TO PEDESTRIAN ACCESS.

THE FOLLOWING IS THE CONSTRUCTION STAGING FOR THIS PROJECT. THE PURPOSE OF THIS STAGING IS TO MINIMIZE DELAYS TO THE MOTORIST. THE CONTRACTOR MAY ALTER THE SEQUENCE OF CONSTRUCTION WITH THE PRIOR APPROVAL OF THE ENGINEER.

- STAGE 1:**
- o INSTALL TRAFFIC CONTROL DEVICES
 - o INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES
- STAGE 2:**
- o TRAFFIC SIGNAL MODIFICATIONS (PARTIAL)
 - o 75" STREET LEFT TURN LANES:
 - COMBINATION CONCRETE CURB AND GUTTER REMOVAL
 - EARTHWORK AND AGGREGATE SUBGRADE
 - COMBINATION CONCRETE CURB AND GUTTER
 - PCC BASE COURSE
 - HMA BINDER AND SURFACE MAY BE DEFERRED UNTIL BOOK ROAD WIDENING IS COMPLETED
 - TOPSOIL / RESTORATION
- STAGE 3:**
- o TRAFFIC SIGNAL MODIFICATIONS (PARTIAL)
 - o BOOK ROAD SOUTHBOUND RIGHT TURN LANE:
 - LIGHT POLE RELOCATION
 - COMBINATION CONCRETE CURB AND GUTTER REMOVAL
 - EARTHWORK AND AGGREGATE SUBGRADE
 - CULVERT EXTENSION AND STORM SEWERS
 - COMBINATION CONCRETE CURB AND GUTTER
 - PCC AND HMA BASE COURSE
 - HMA BINDER
 - DETECTOR LOOP INSTALLATION
- STAGE 4:**
- o COMPLETE TRAFFIC SIGNAL MODIFICATIONS
 - o COMPLETE PATH AND SIDEWALK IMPROVEMENTS
 - o TOPSOIL / RESTORATION
 - o HMA SURFACE COURSE
 - o PAVEMENT MARKINGS

CHANGEABLE MESSAGE SIGN. MESSAGE AND DURATION AS DIRECTED BY ENGINEER (TYP)



USER NAME = hwrjs	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISED - _____	REVISED - _____
PLT SCALE = 50:0000' / 1" =	CHECKED - _____	REVISED - _____
PLT DATE = 6/20/2016	DATE - _____	REVISED - _____

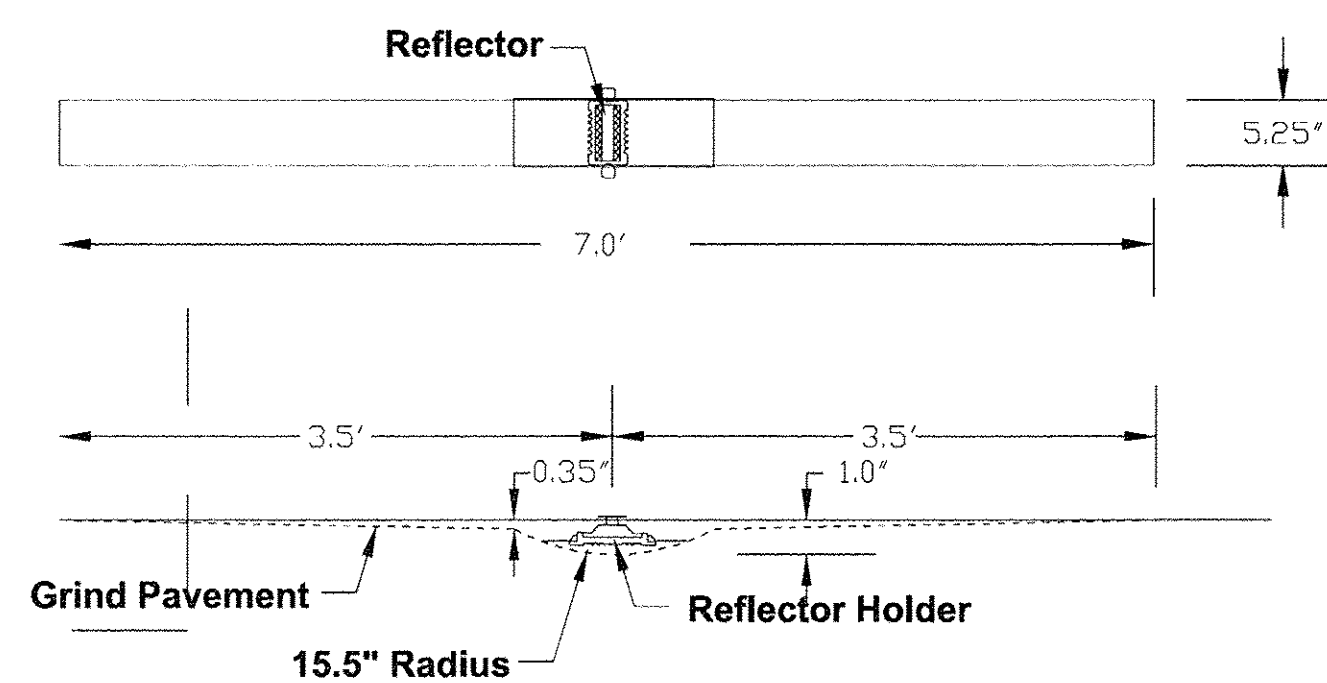
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. 369	SECTION 13-00168-08-SP	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 17
CONTRACT NO. 61C89				ILLINOIS FED. AID PROJECT

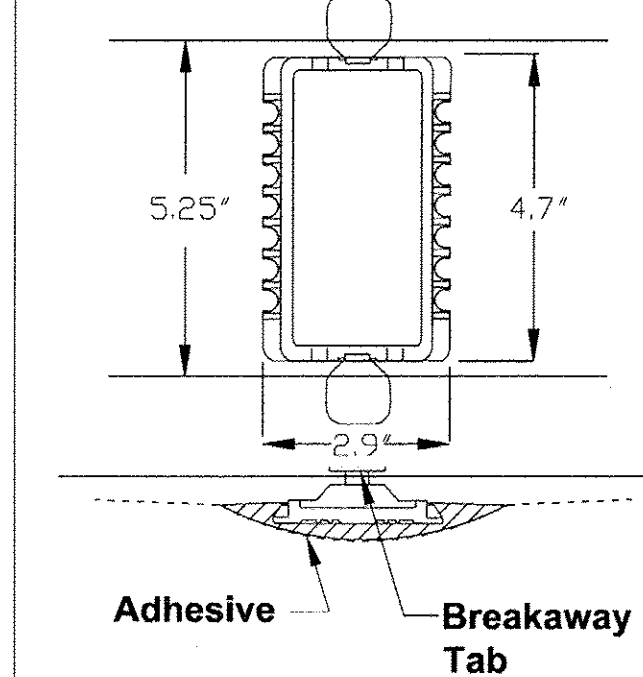
RECESSED PAVEMENT MARKER



Notes

1. The reflector holder shall be made of a polycarbonate and shall be a MarkerOne Series R100
2. The adhesive used shall meet the requirements of AASHTO M237 specification for adhesives to be used in cementing asphalt surfaces.
3. For 1-way markers heading uphill, uphill grind taper may be omitted.
4. Markers shall be placed at 80' intervals on lane lines and painted medians and 40' intervals on curves and approaching intersections.

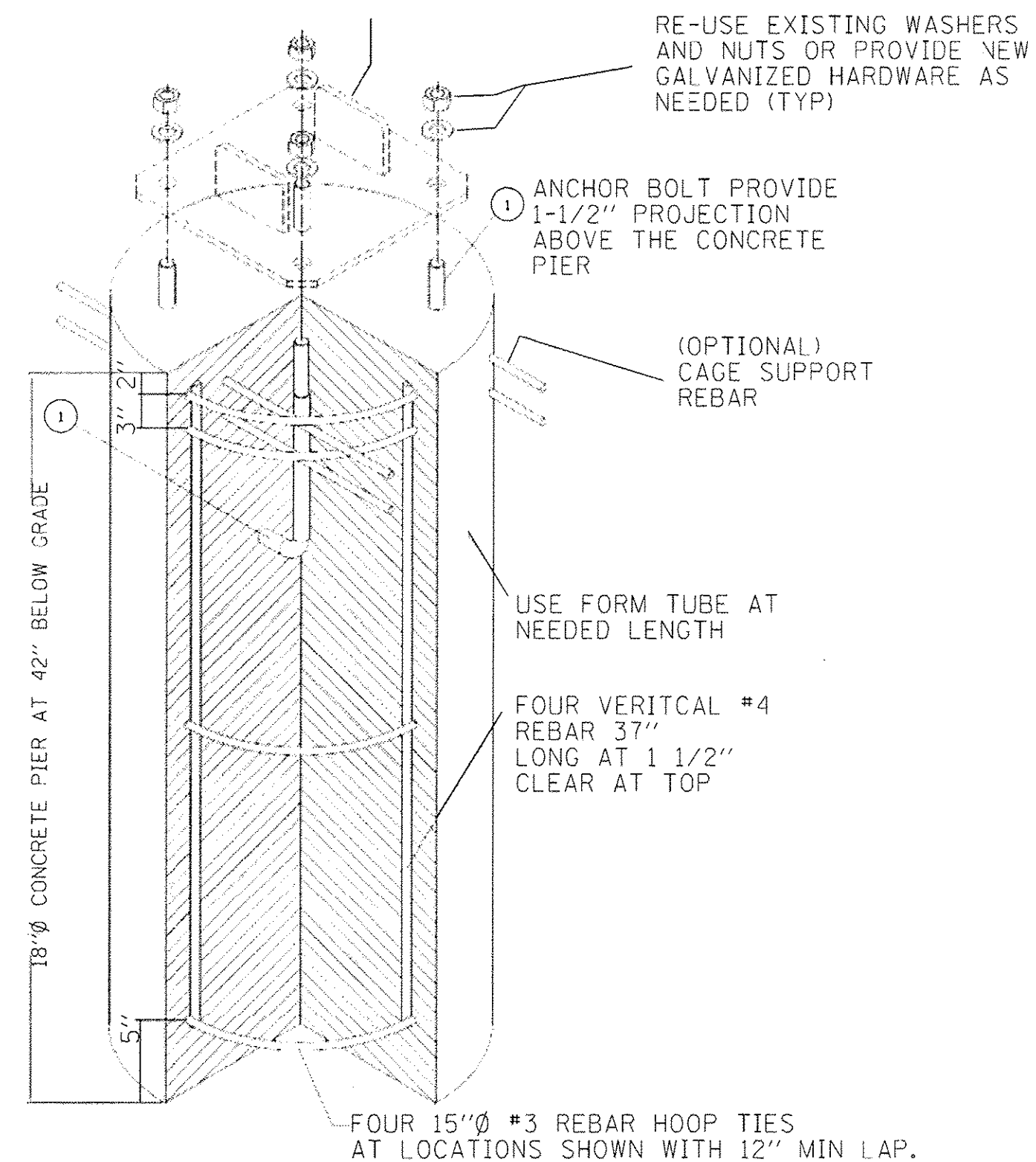
Breakaway tab to fix the reflector depth to 0.10" below the pavement



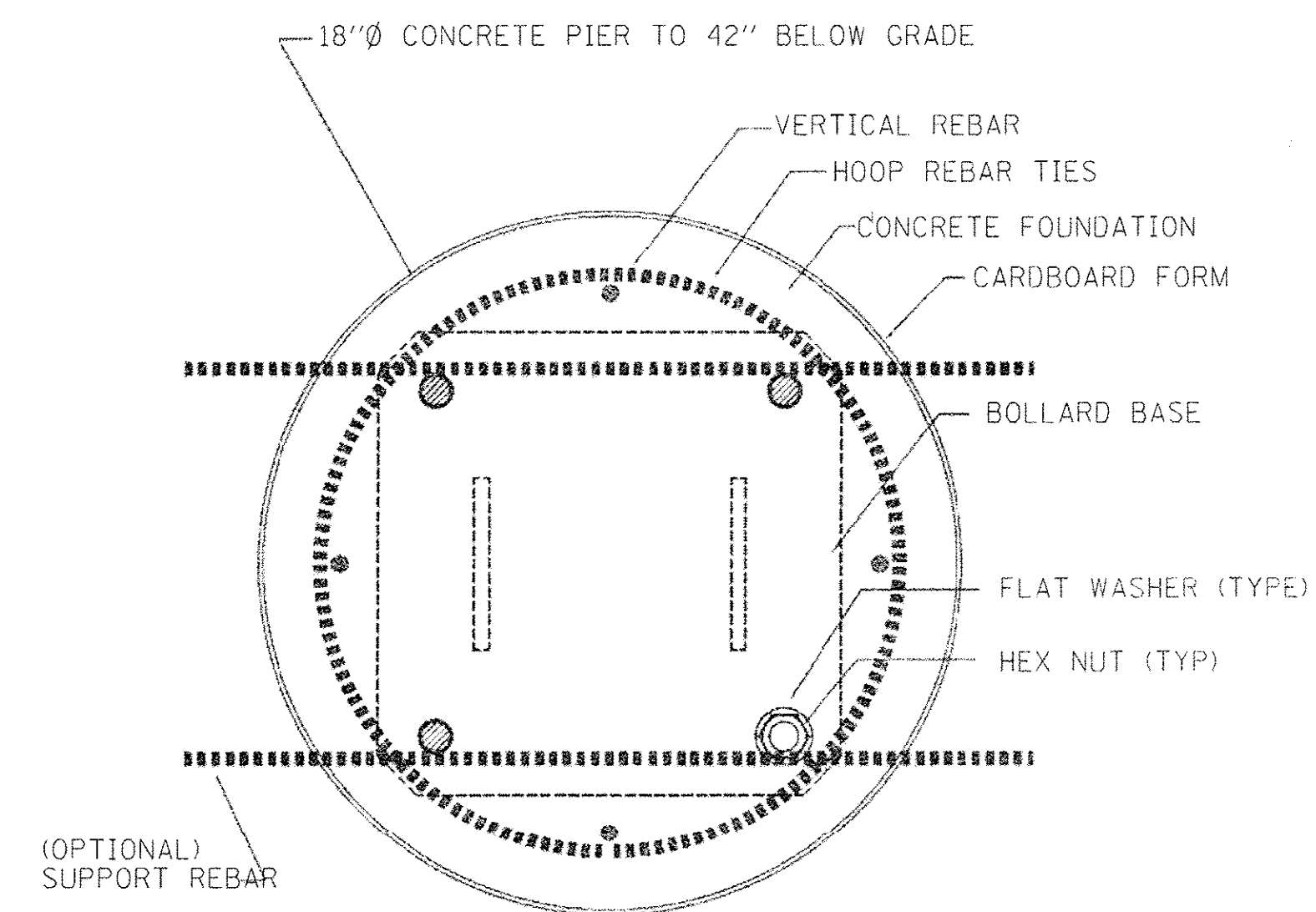
Reflector Holder Detail

Recessed Pavement Marker 4.dgn 4/7/14

BOLLARD BASE (LEVELING BOLT AND OTHER BASE DETAILS NOT SHOWN)



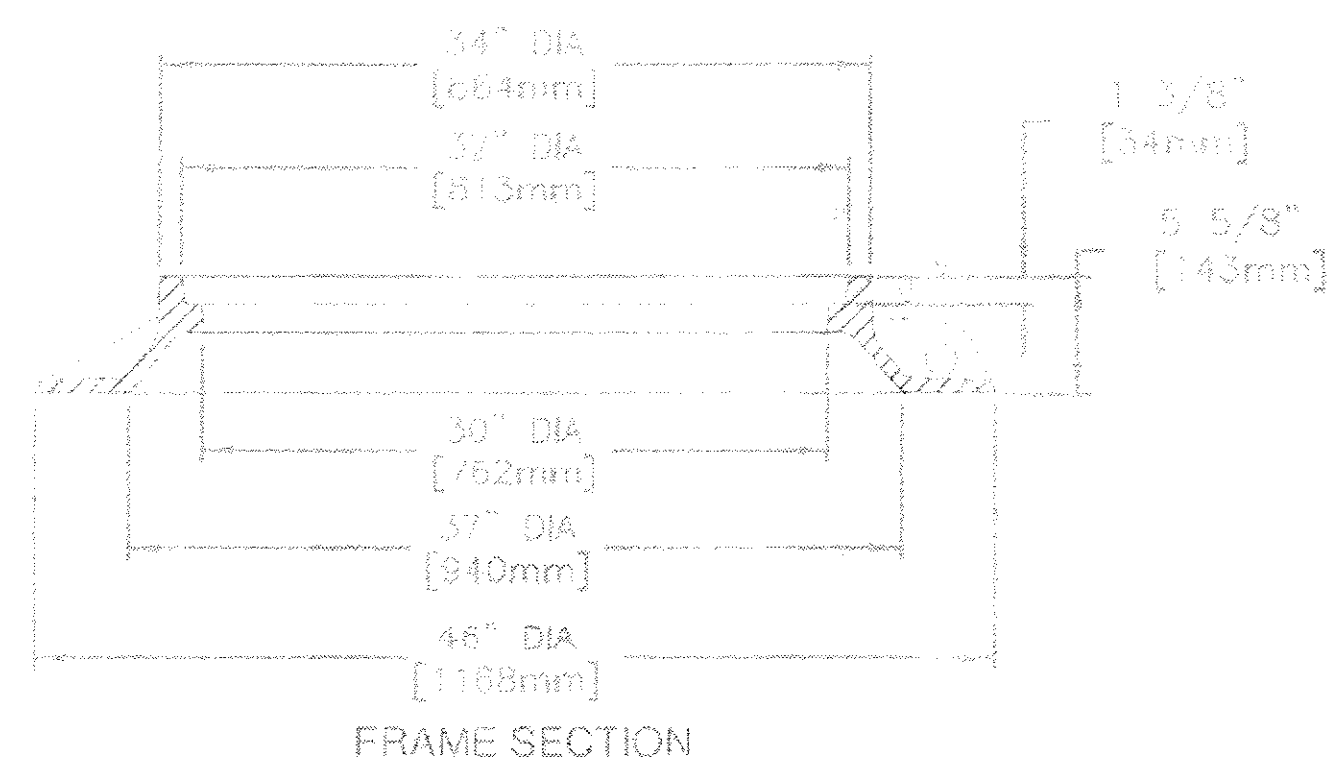
DETAIL FOR BOLLARD TO BE REPLACED



PLAN SECTION "A-A"

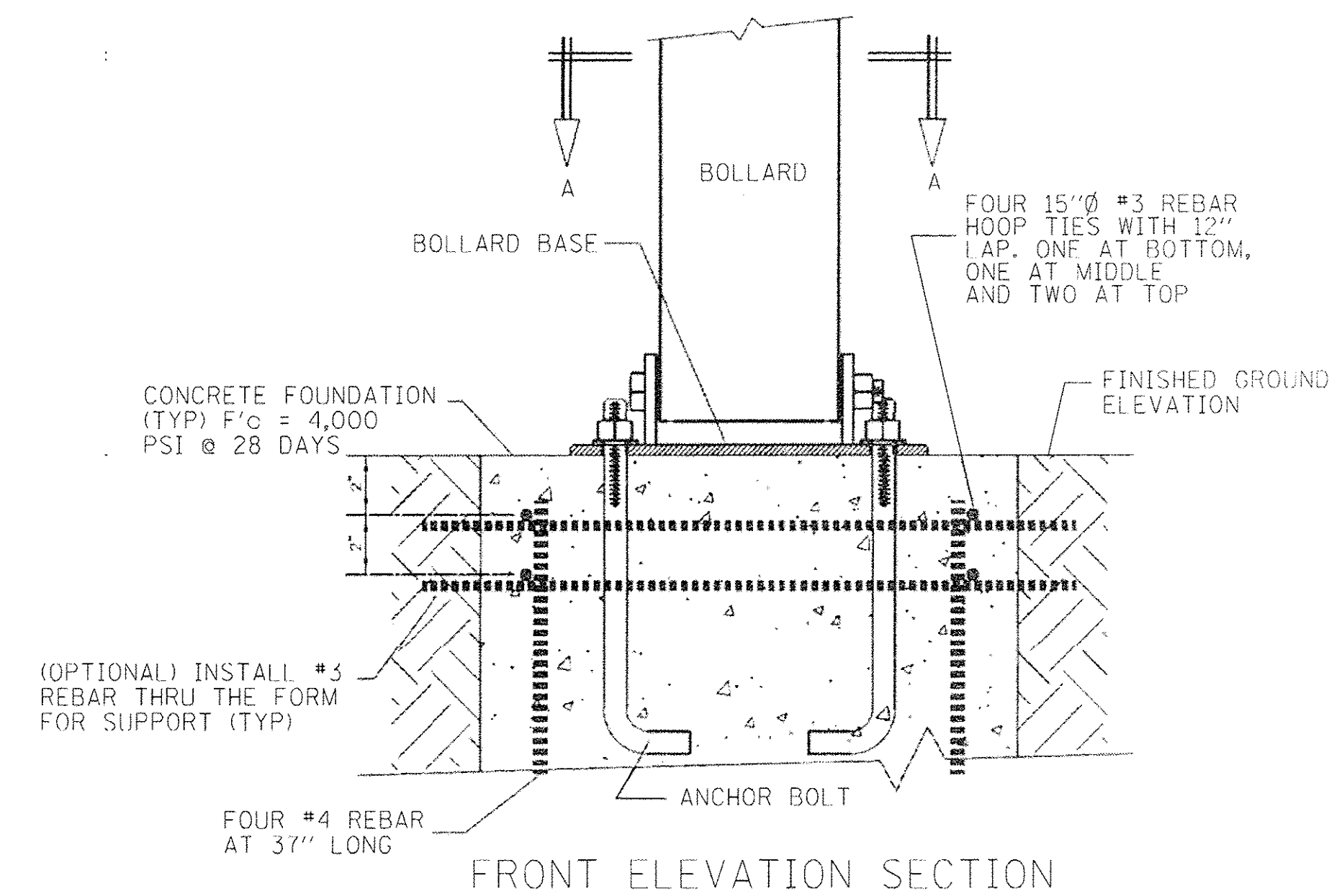
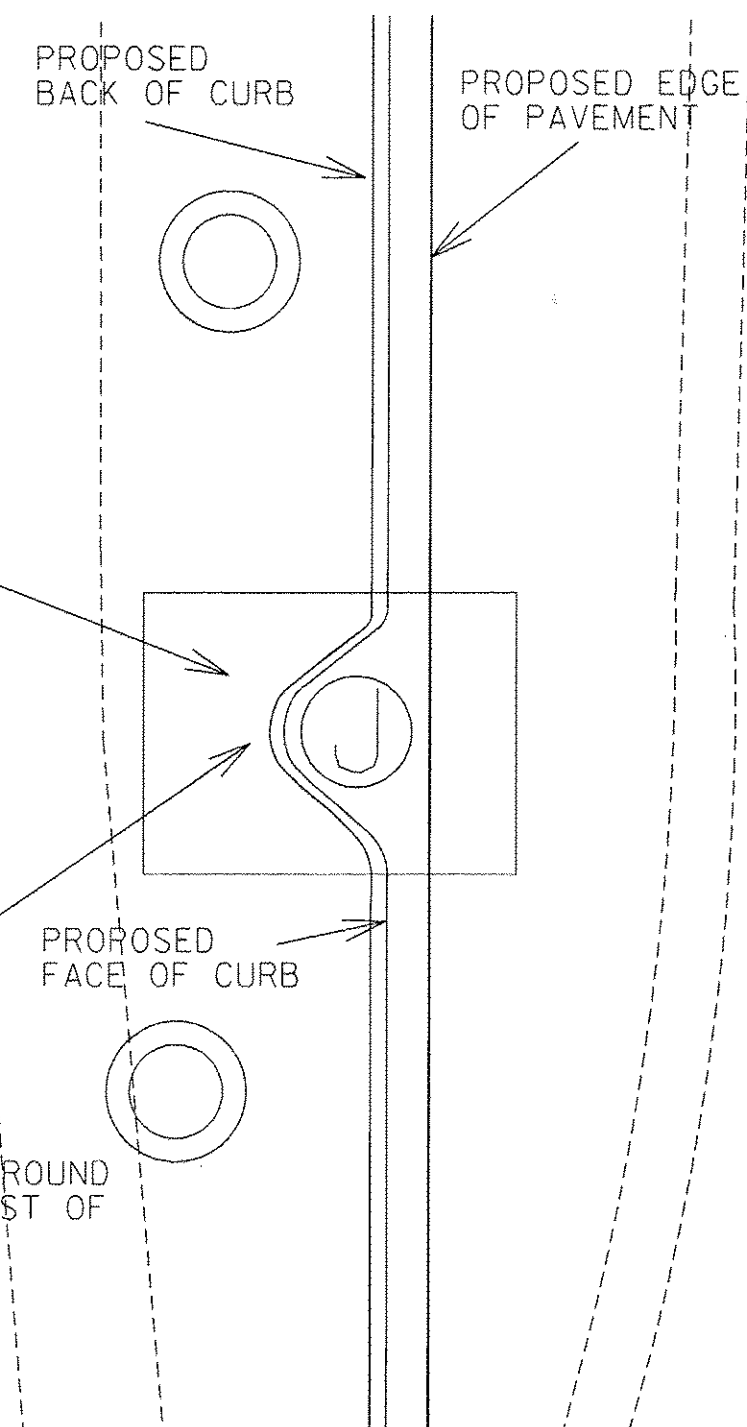
NDPU-E MANHOLE CURB ADJUSTMENT

NDPU-E MANHOLE STANDARD



EXIST 13.5'x10.2' NDPU-E MH STA 11+21.15 TO BE ADJUSTED BY OTHERS

MODIFY GUTTER WIDTH AS NEEDED FOR CURB TO RUN AROUND THE FRAME, INCLUDED IN COST OF COMB. CONC. C&G TY B-6.18



FRONT ELEVATION SECTION

FILE NAME =	USER NAME = hwr_js	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE - 06/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

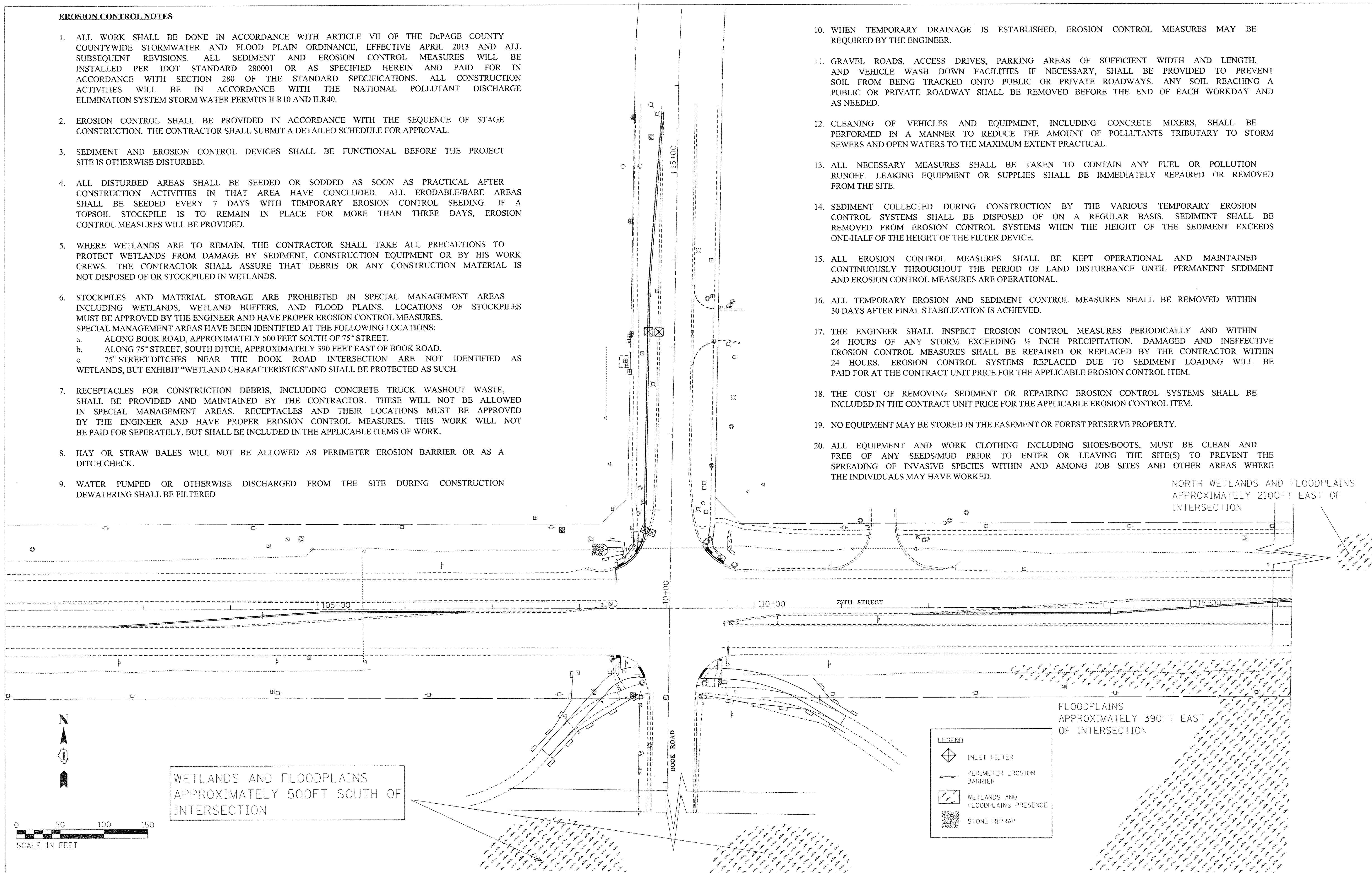
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 0369	SECTION 13-00168-08-SP	COUNTY DuPAGE	TOTAL SHEETS 55	SHEET NO. 18
CONTRACT NO. 61C89				
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 ERODABLE/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. SPECIAL MANAGEMENT AREAS HAVE BEEN IDENTIFIED AT THE FOLLOWING LOCATIONS:
 - a. ALONG BOOK ROAD, APPROXIMATELY 500 FEET SOUTH OF 75TH STREET.
 - b. ALONG 75TH STREET, SOUTH DITCH, APPROXIMATELY 390 FEET EAST OF BOOK ROAD.
 - c. 75TH STREET DITCHES NEAR THE BOOK ROAD INTERSECTION ARE NOT IDENTIFIED AS WETLANDS, BUT EXHIBIT "WETLAND CHARACTERISTICS" AND SHALL BE PROTECTED AS SUCH.
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 SEPERATELY, 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 ½ 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.
19. NO EQUIPMENT MAY BE STORED IN THE EASEMENT OR FOREST PRESERVE PROPERTY.
20. ALL EQUIPMENT AND WORK CLOTHING INCLUDING SHOES/BOOTS, MUST BE CLEAN AND FREE OF ANY SEEDS/MUD PRIOR TO ENTER OR LEAVING THE SITE(S) TO PREVENT THE SPREADING OF INVASIVE SPECIES WITHIN AND AMONG JOB SITES AND OTHER AREAS WHERE THE INDIVIDUALS MAY HAVE WORKED.



WETLANDS AND FLOODPLAINS APPROXIMATELY 500FT SOUTH OF INTERSECTION

NORTH WETLANDS AND FLOODPLAINS APPROXIMATELY 2100FT EAST OF INTERSECTION

FLOODPLAINS APPROXIMATELY 390FT EAST OF INTERSECTION

LEGEND

- INLET FILTER
- PERIMETER EROSION BARRIER
- WETLANDS AND FLOODPLAINS PRESENCE
- STONE RIPRAP

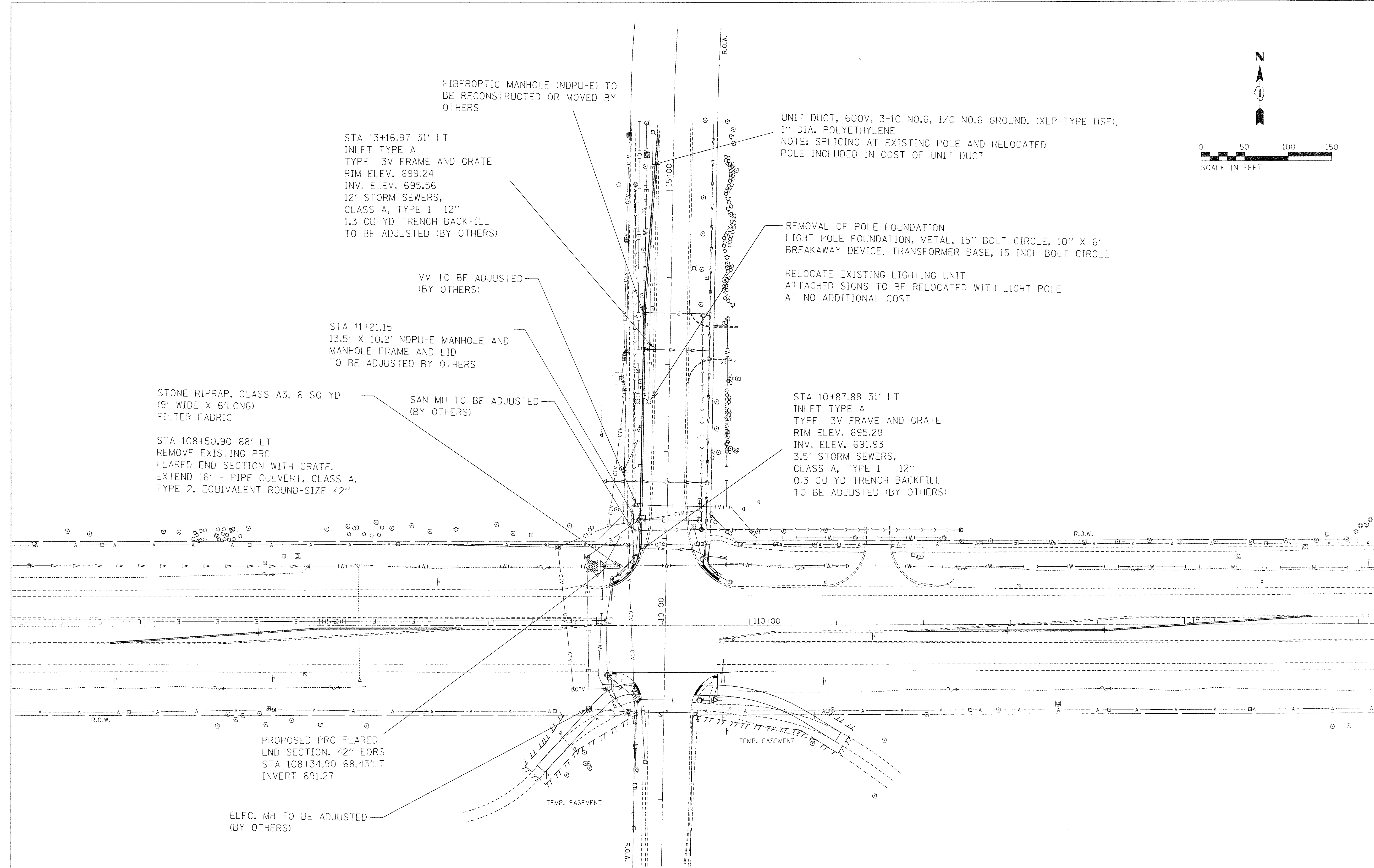
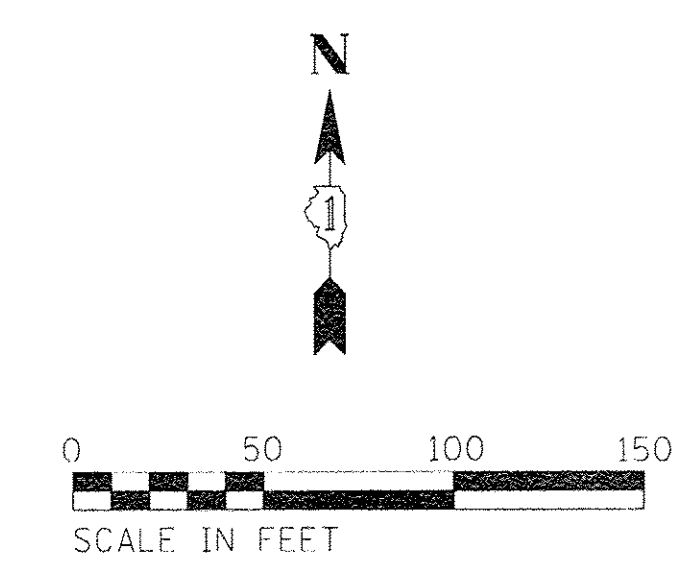
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	13-00168-08-SP	DuPAGE	55	19
CONTRACT NO. 61C89			[ILLINOIS] FED. AID PROJECT	

USER NAME = hwrjs	DESIGNED - RJS	REVISED - _____
PLLOT SCALE = 50.0000' / 1" = 1'	DRAWN - RJS	REVISED - _____
PLLOT DATE = 6/28/2016	CHECKED - KJK	REVISED - _____
	DATE - 06/2016	REVISED - _____



FIBEROPTIC MANHOLE (NDPU-E) TO BE RECONSTRUCTED OR MOVED BY OTHERS

STA 13+16.97 31' LT
INLET TYPE A
TYPE 3V FRAME AND GRATE
RIM ELEV. 699.24
INV. ELEV. 695.56
12' STORM SEWERS,
CLASS A, TYPE 1 12"
1.3 CU YD TRENCH BACKFILL
TO BE ADJUSTED (BY OTHERS)

UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE),
1" DIA. POLYETHYLENE
NOTE: SPlicing AT EXISTING POLE AND RELOCATED
POLE INCLUDED IN COST OF UNIT DUCT

REMOVAL OF POLE FOUNDATION
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 6'
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE

RELOCATE EXISTING LIGHTING UNIT
ATTACHED SIGNS TO BE RELOCATED WITH LIGHT POLE
AT NO ADDITIONAL COST

VV TO BE ADJUSTED
(BY OTHERS)

STA 11+21.15
13.5' X 10.2' NDPU-E MANHOLE AND
MANHOLE FRAME AND LID
TO BE ADJUSTED BY OTHERS

STONE RIPRAP, CLASS A3, 6 SQ YD
(9' WIDE X 6' LONG)
FILTER FABRIC

SAN MH TO BE ADJUSTED
(BY OTHERS)

STA 10+87.88 31' LT
INLET TYPE A
TYPE 3V FRAME AND GRATE
RIM ELEV. 695.28
INV. ELEV. 691.93
3.5' STORM SEWERS,
CLASS A, TYPE 1 12"
0.3 CU YD TRENCH BACKFILL
TO BE ADJUSTED (BY OTHERS)

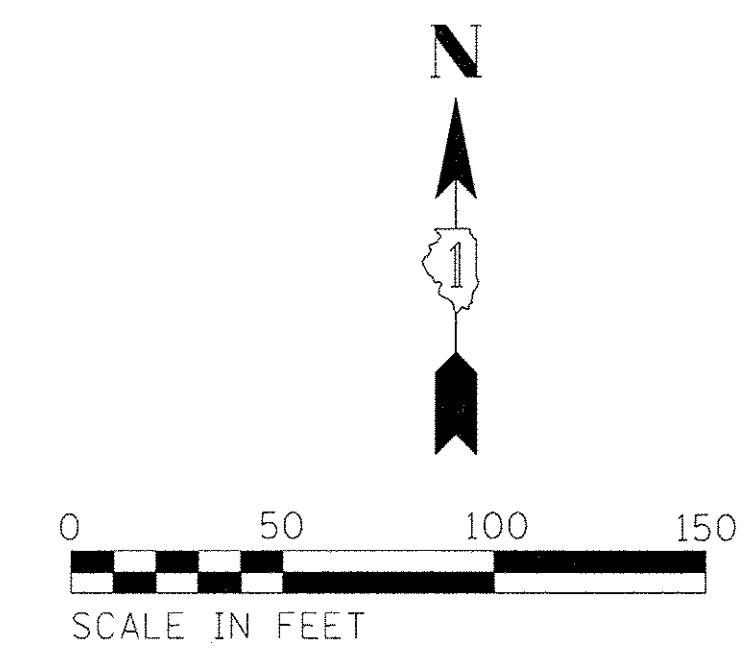
STA 108+50.90 68' LT
REMOVE EXISTING PRC
FLARED END SECTION WITH GRATE.
EXTEND 16' - PIPE CULVERT, CLASS A,
TYPE 2, EQUIVALENT ROUND-SIZE 42"

PROPOSED PRC FLARED
END SECTION, 42" EORS
STA 108+34.90 68.43'LT
INVERT 691.27

ELEC. MH TO BE ADJUSTED
(BY OTHERS)

USER NAME = hvrjs PLOT SCALE = 50.0000' / in. PLOT DATE = 7/14/2016	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN		F.A.P. RTE. 0369	SECTION 13-00168-08-5P	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 20
	DRAWN - _____	REVISED - _____		SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT		CONTRACT NO. 61C89		
	CHECKED - _____	REVISED - _____								
	DATE - _____	REVISED - _____								

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SKIP DASH, 2' LINE 6' SPACE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS @ 30" C-C)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (12' STRIPS - WHITE @ 36" C-C)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE STOP BAR)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ⑨ RECESSED PAVEMENT PAVEMENT MARKER (CRYSTAL AND RED 2-WAY 1 EACH @ 40 C-C)



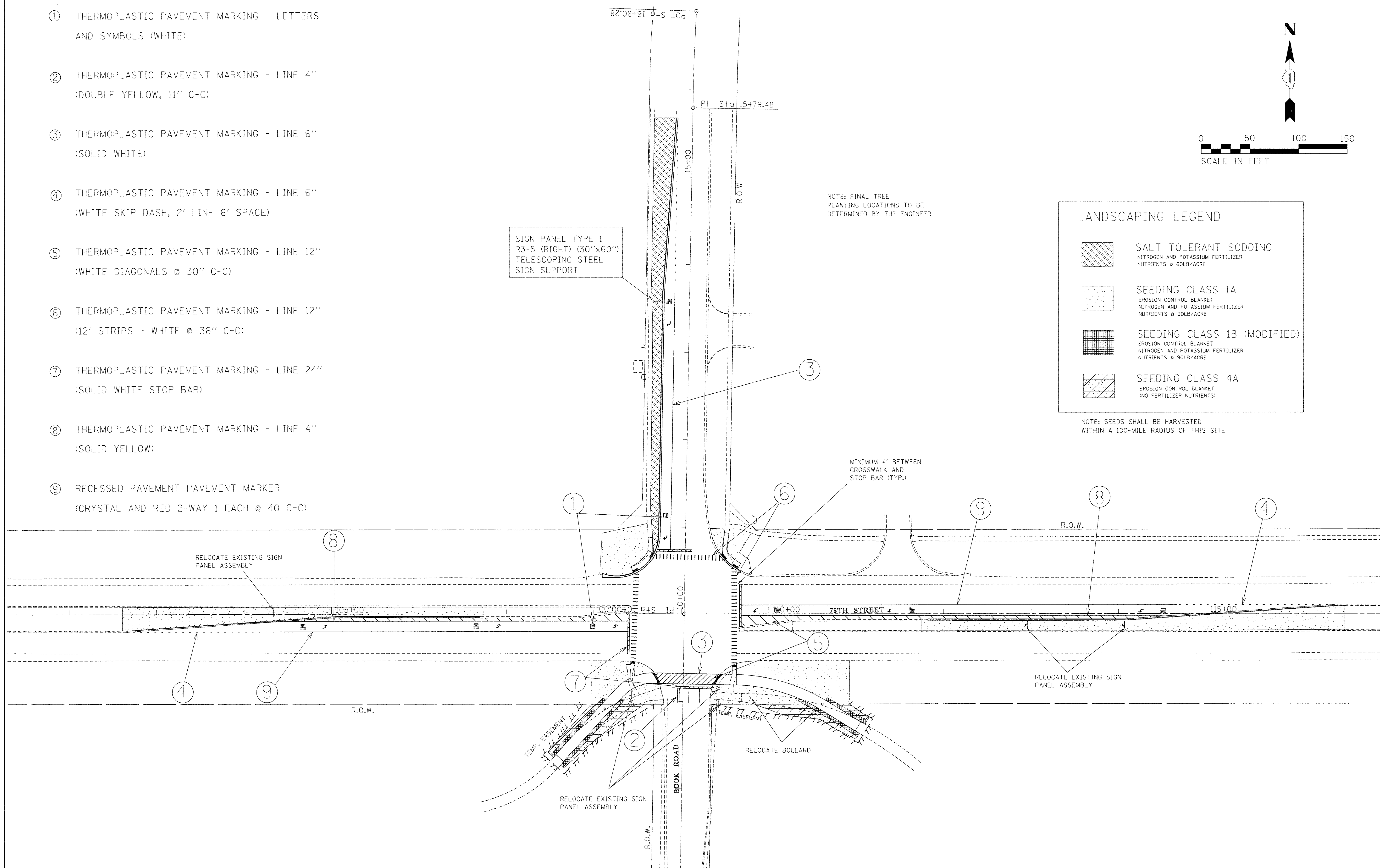
LANDSCAPING LEGEND

- SALT TOLERANT SODDING**
NITROGEN AND POTASSIUM FERTILIZER
NUTRIENTS @ 60LB/ACRE
- SEEDING CLASS 1A**
EROSION CONTROL BLANKET
NITROGEN AND POTASSIUM FERTILIZER
NUTRIENTS @ 90LB/ACRE
- SEEDING CLASS 1B (MODIFIED)**
EROSION CONTROL BLANKET
NITROGEN AND POTASSIUM FERTILIZER
NUTRIENTS @ 90LB/ACRE
- SEEDING CLASS 4A**
EROSION CONTROL BLANKET
(NO FERTILIZER NUTRIENTS)

NOTE: SEEDS SHALL BE HARVESTED WITHIN A 100-MILE RADIUS OF THIS SITE

NOTE: FINAL TREE PLANTING LOCATIONS TO BE DETERMINED BY THE ENGINEER

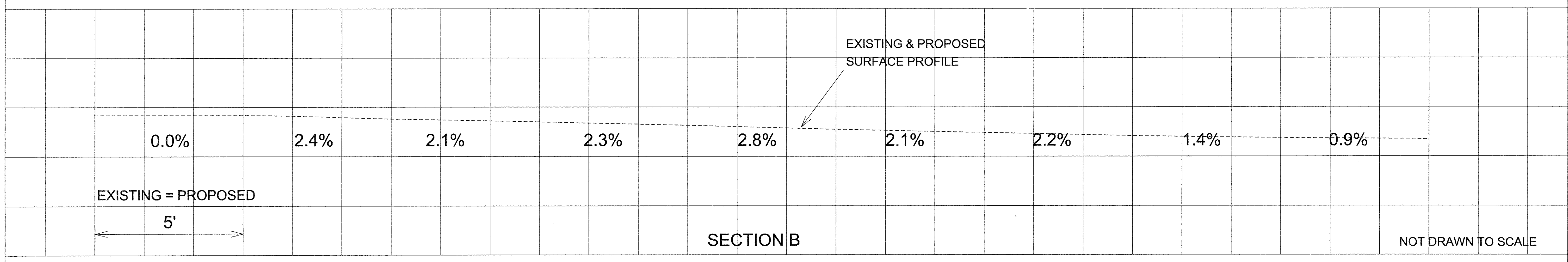
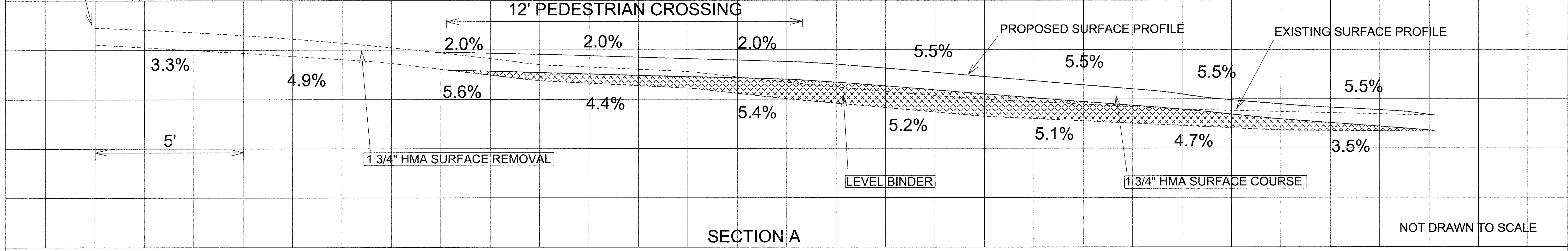
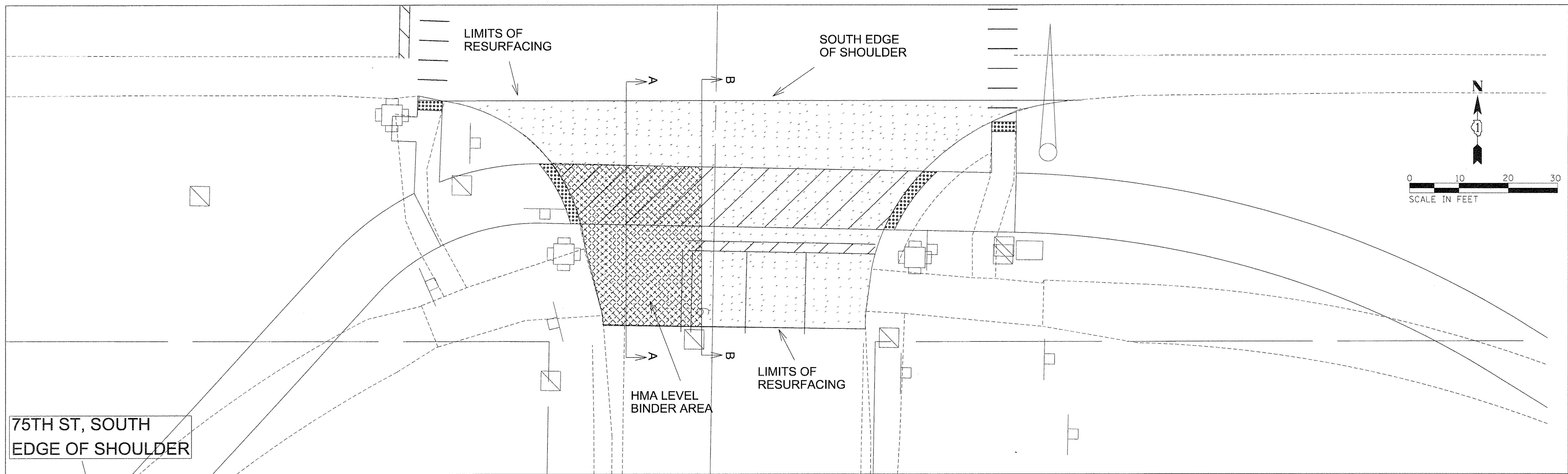
SIGN PANEL TYPE 1
R3-5 (RIGHT) (30"x60")
TELESCOPING STEEL
SIGN SUPPORT



USER NAME = hwr_js PLOT SCALE = 50.0000' / 1" = PLOT DATE = 7/18/2016	DESIGNED - _____ DRAWN - R. SINGER CHECKED - K. KUPER DATE - _____	REVISED - _____ REVISED - _____ REVISED - _____ REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS & LANDSCAPING PLAN	F.A.P 369	SECTION 13-00168-08-SP	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 21	CONTRACT NO. 61C89 ILLINOIS FED. AID PROJECT
SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____										

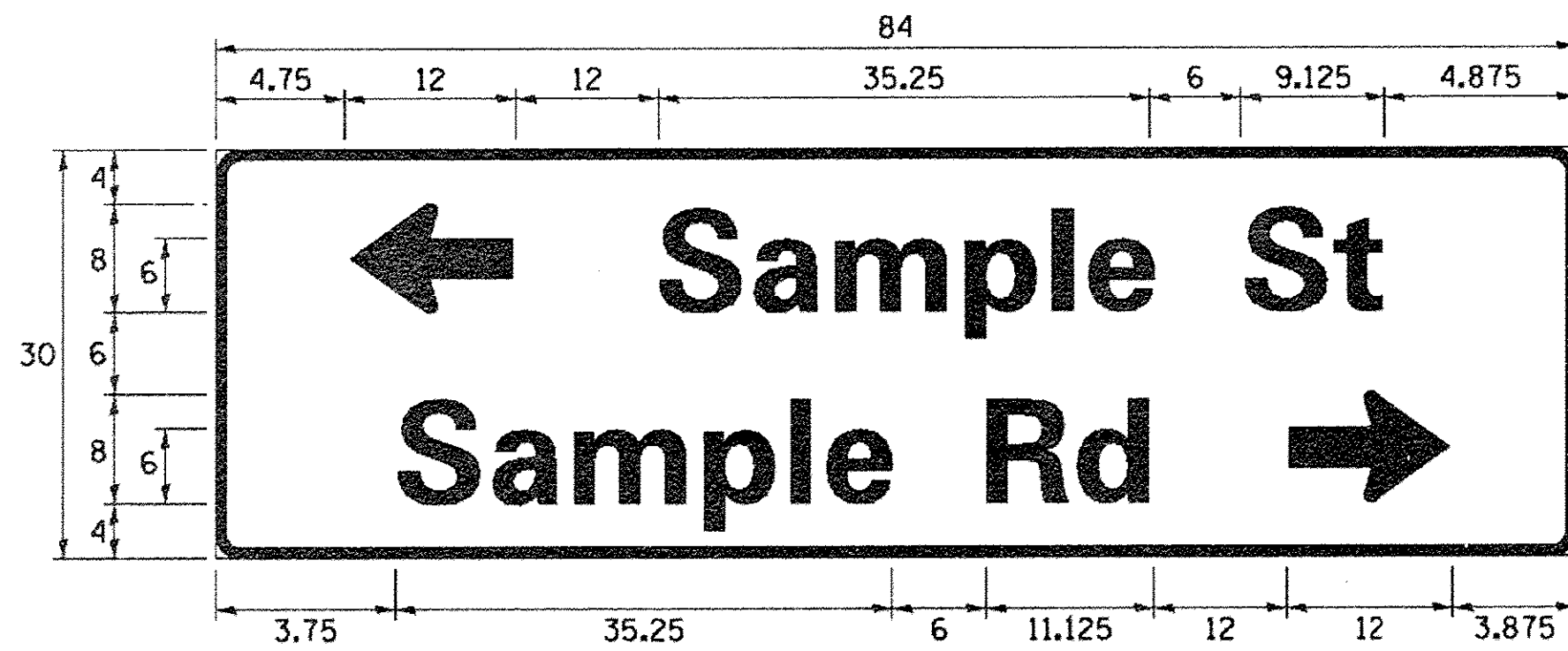
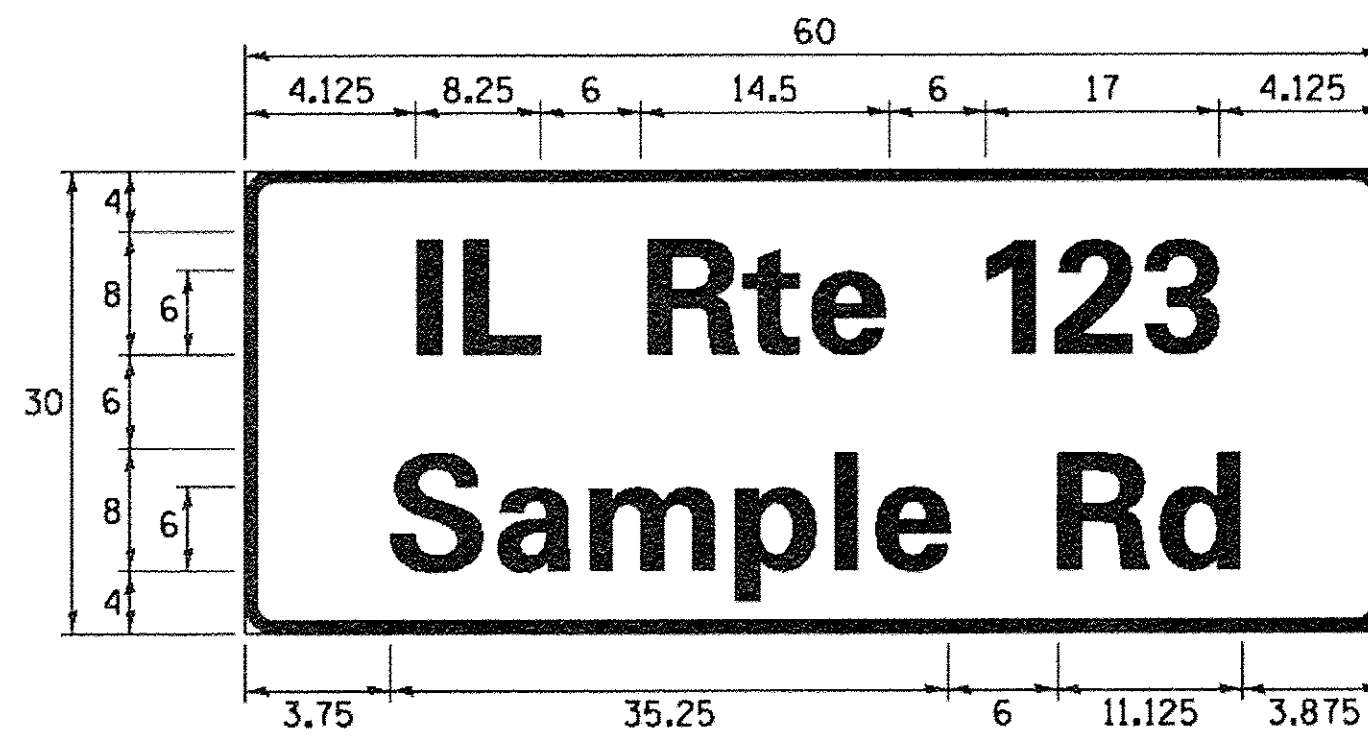
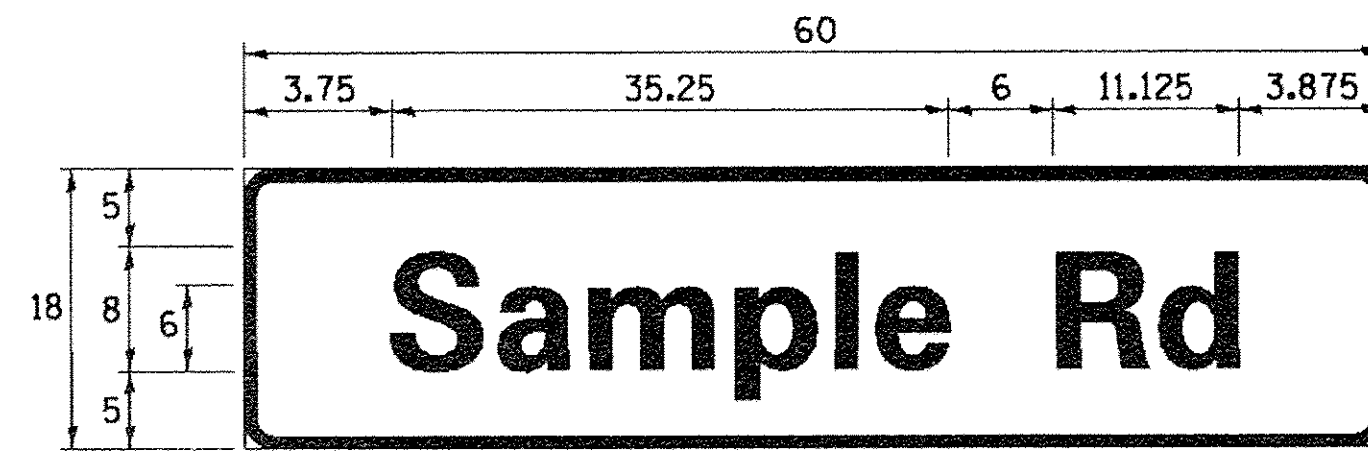
PLAN
 SUPERVISED BY: _____
 PLOTTED BY: _____
 NOTE BOOK NO.: _____
 DATE: _____
 FILE NAME: _____

PROF. ILL.
 SUPERVISED BY: _____
 PLOTTED BY: _____
 NOTE BOOK NO.: _____
 DATE: _____
 FILE NAME: _____



FILE NAME =	USER NAME = hwrjs	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOOK ROAD RESURFACING			F.A.P. RTE. 0369	SECTION 13-00168-08-SP	COUNTY DuPAGE	TOTAL SHEETS 55	SHEET NO. 22
	PLOT SCALE = 10.0000' / in.	CHECKED - _____	REVISED - _____		SCALE: _____	SHEET _____	OF _____	SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 61C89	
	PLOT DATE = 6/28/2016	DRAWN - _____	REVISED - _____		ILLINOIS FED. AID PROJECT							
		CHECKED - _____	REVISED - _____									

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

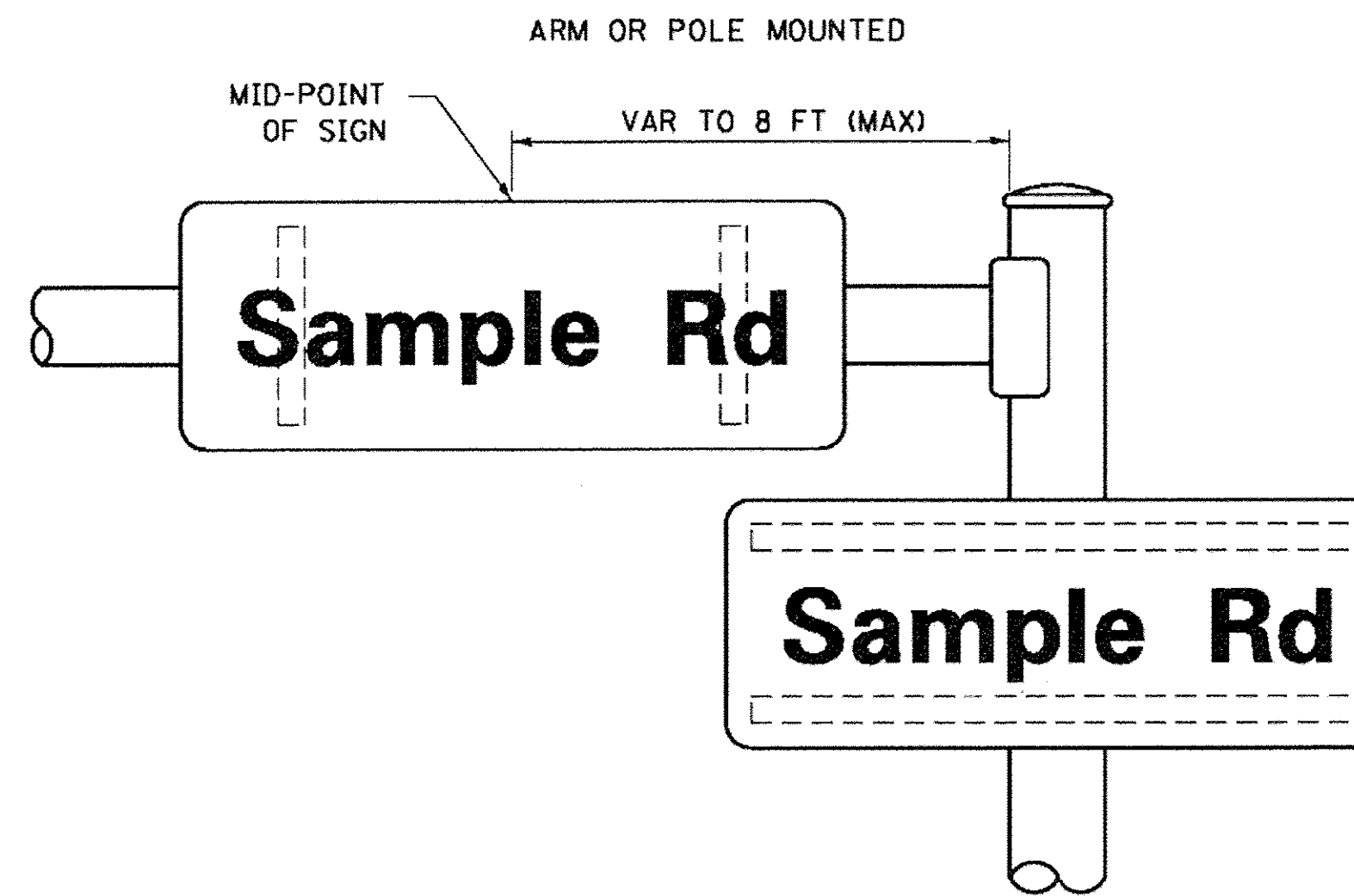
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

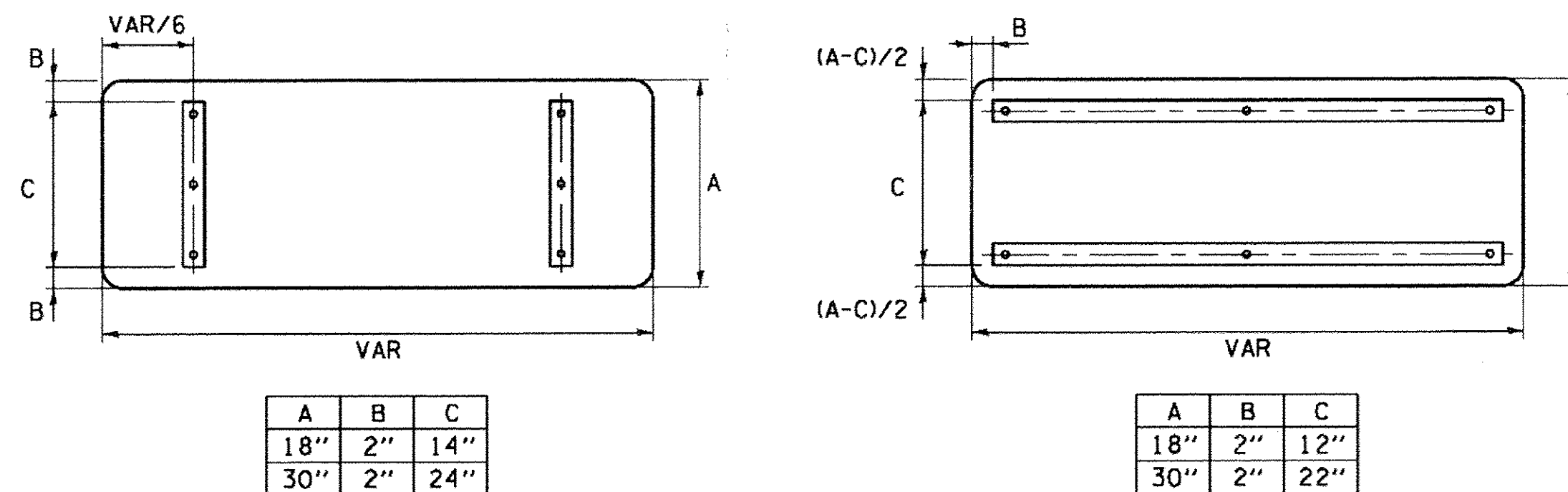
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
- SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- SELF TAPPING WITH NEOPRENE WASHER PART #HPN034 (UNIVERSAL)
- BRACKETS CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

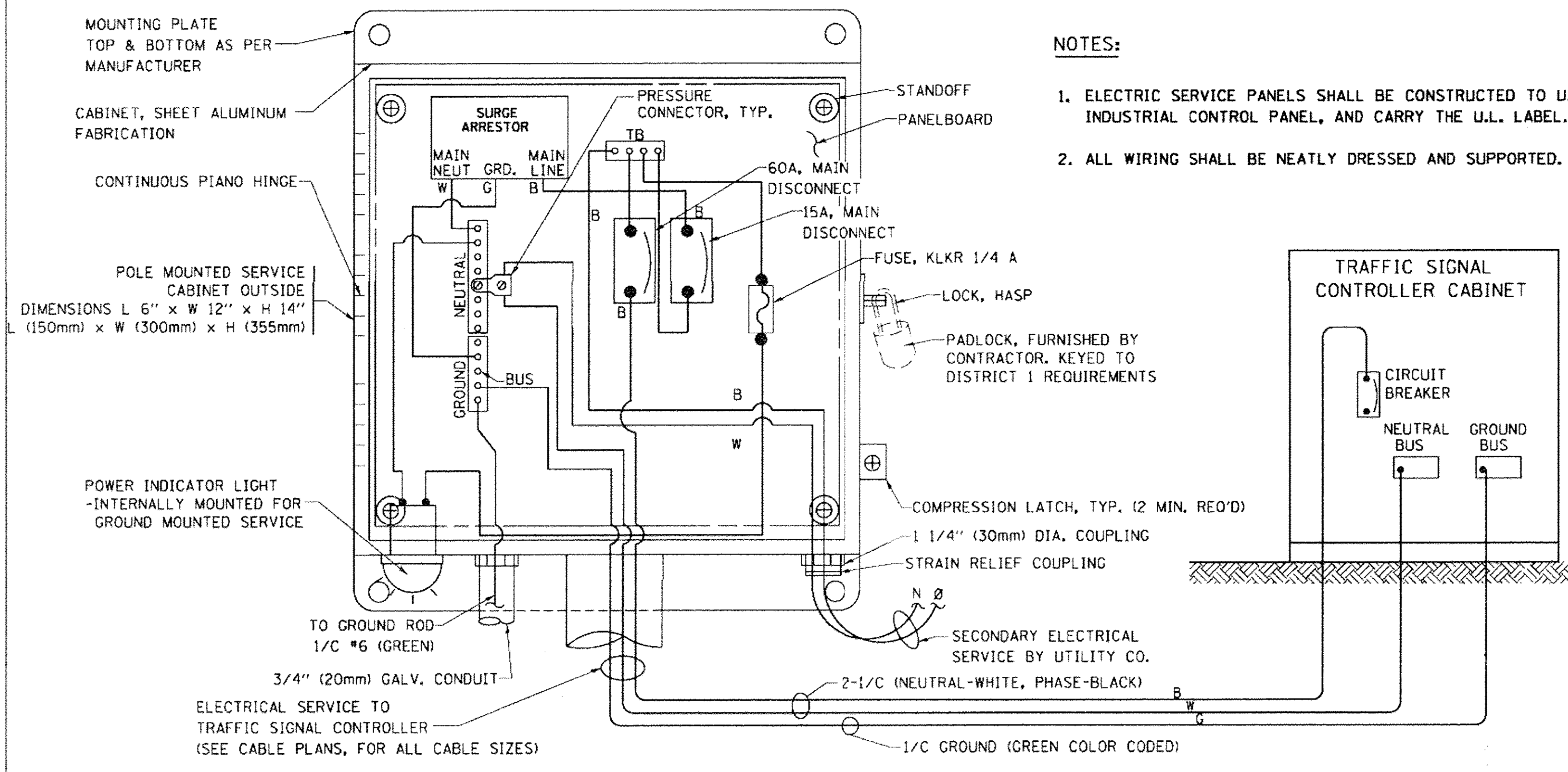
FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TRAFFIC SIGNAL LEGEND

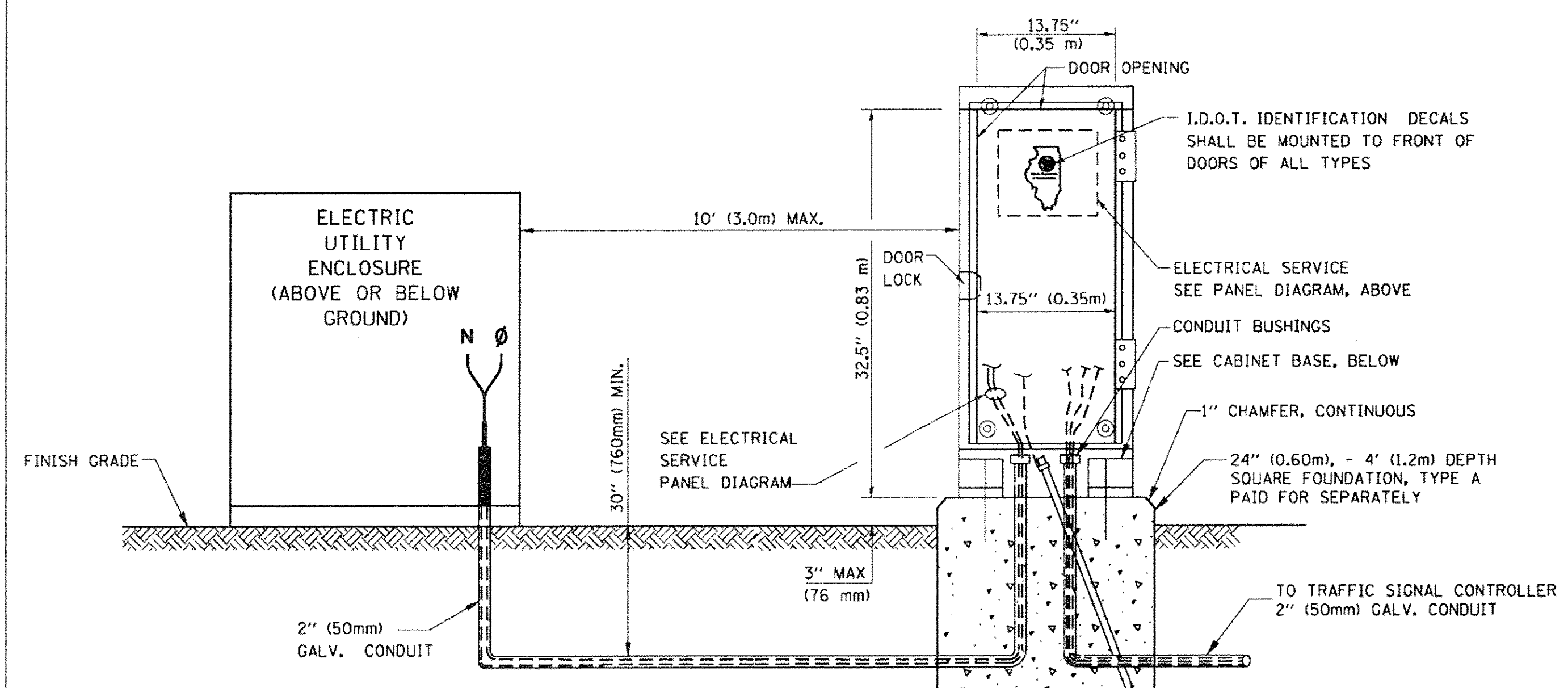
ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH			CT	GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)			CNC	CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM	A			12" (300mm) TRAFFIC SIGNAL SECTION			
SIGNAL HEAD				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				SIGNAL FACE				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL			
SIGNAL HEAD WITH BACKPLATE				"RB" INDICATES REFLECTIVE BACKPLATE				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED			
SIGNAL HEAD OPTICALLY PROGRAMMED				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				RADIO INTERCONNECT				RADIO REPEATER			
PEDESTRIAN SIGNAL HEAD				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)			
PEDESTRIAN PUSHBUTTON DETECTOR											
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR											
ILLUMINATED SIGN "NO LEFT TURN"											
ILLUMINATED SIGN "NO RIGHT TURN"											
DETECTOR LOOP, TYPE I											
PREFORMED DETECTOR LOOP											
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

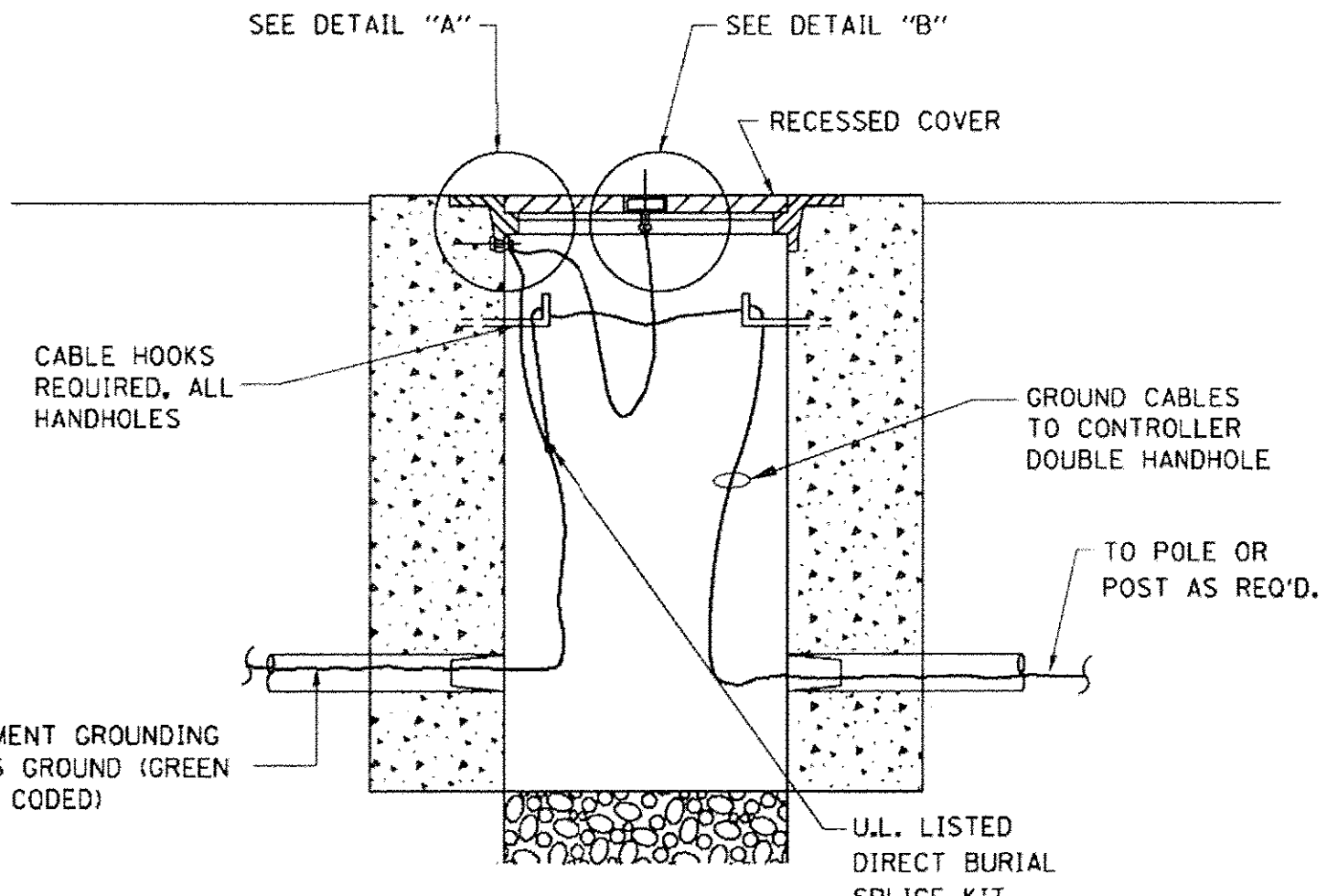
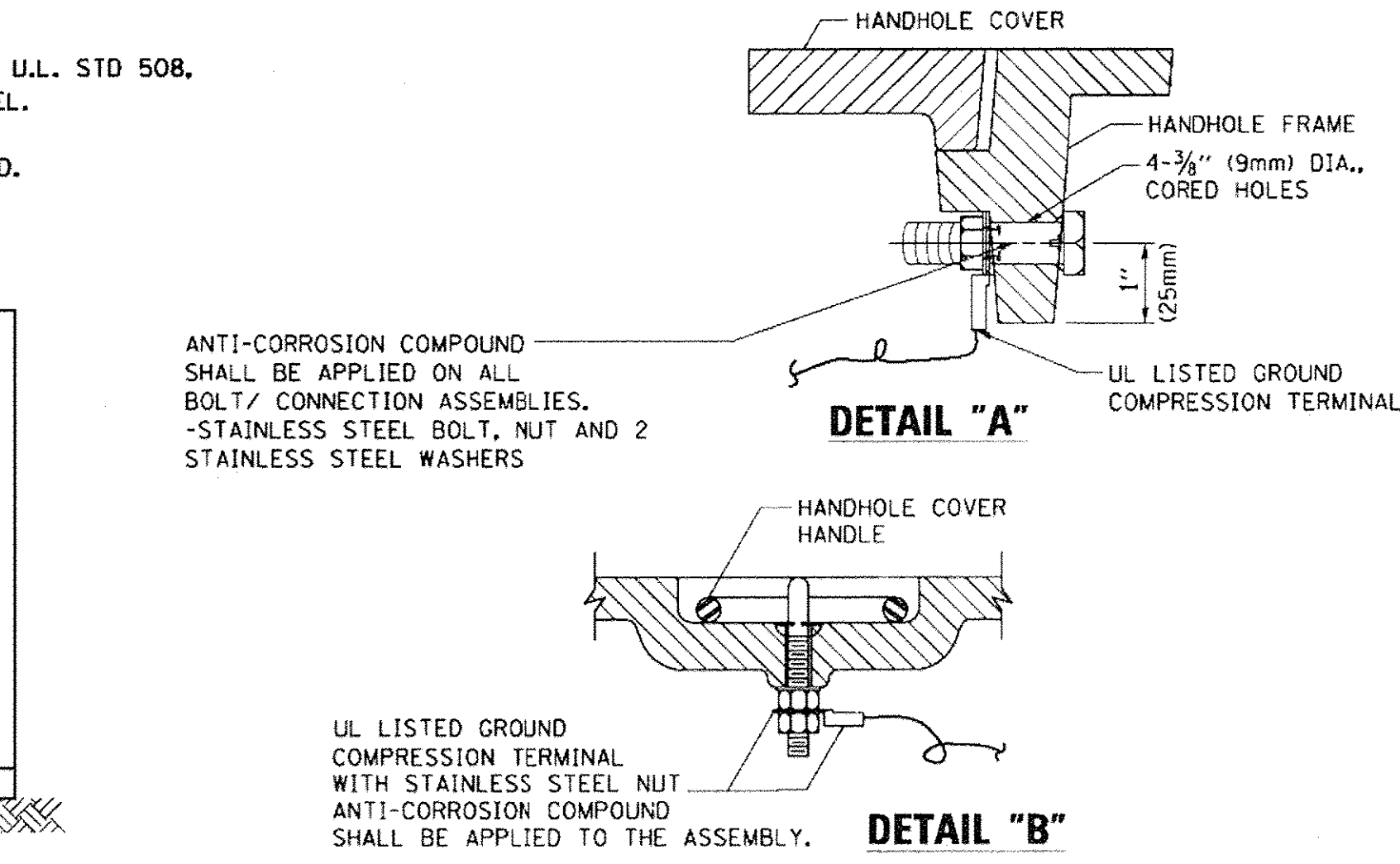
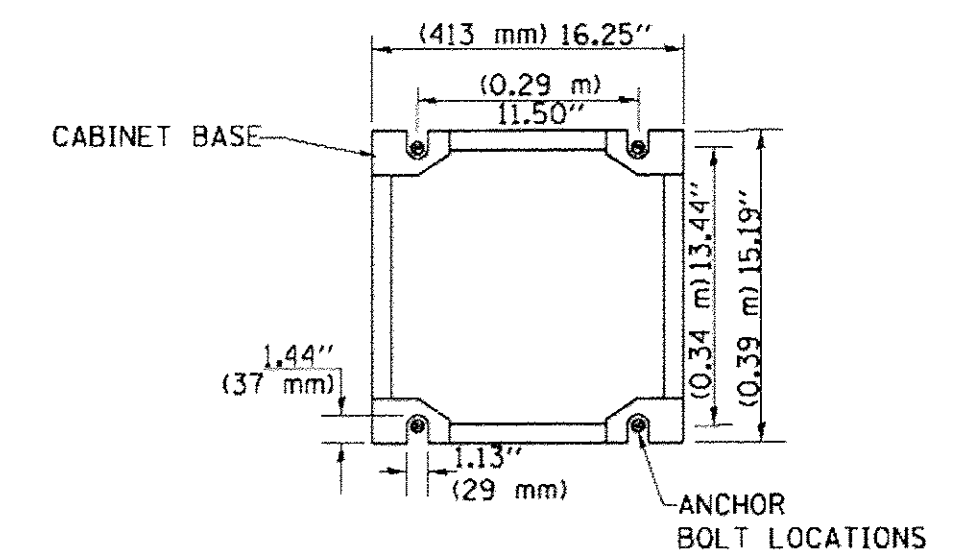


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)

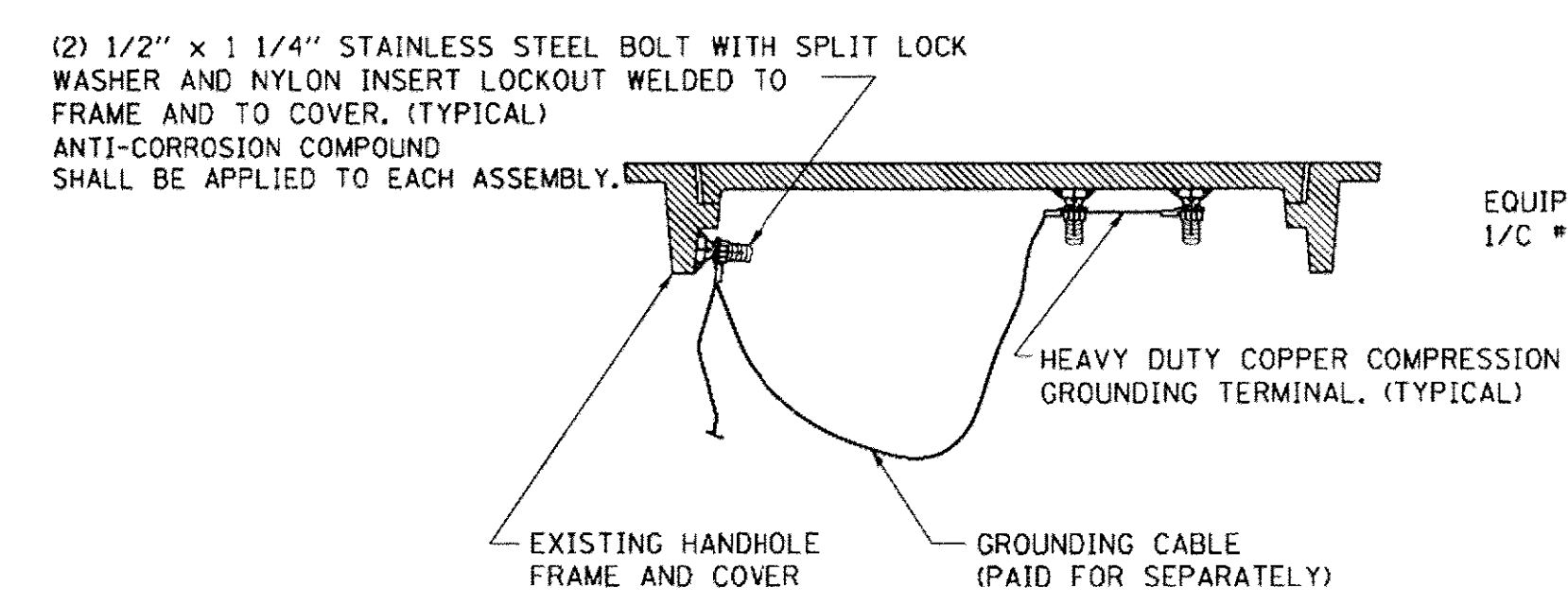


SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

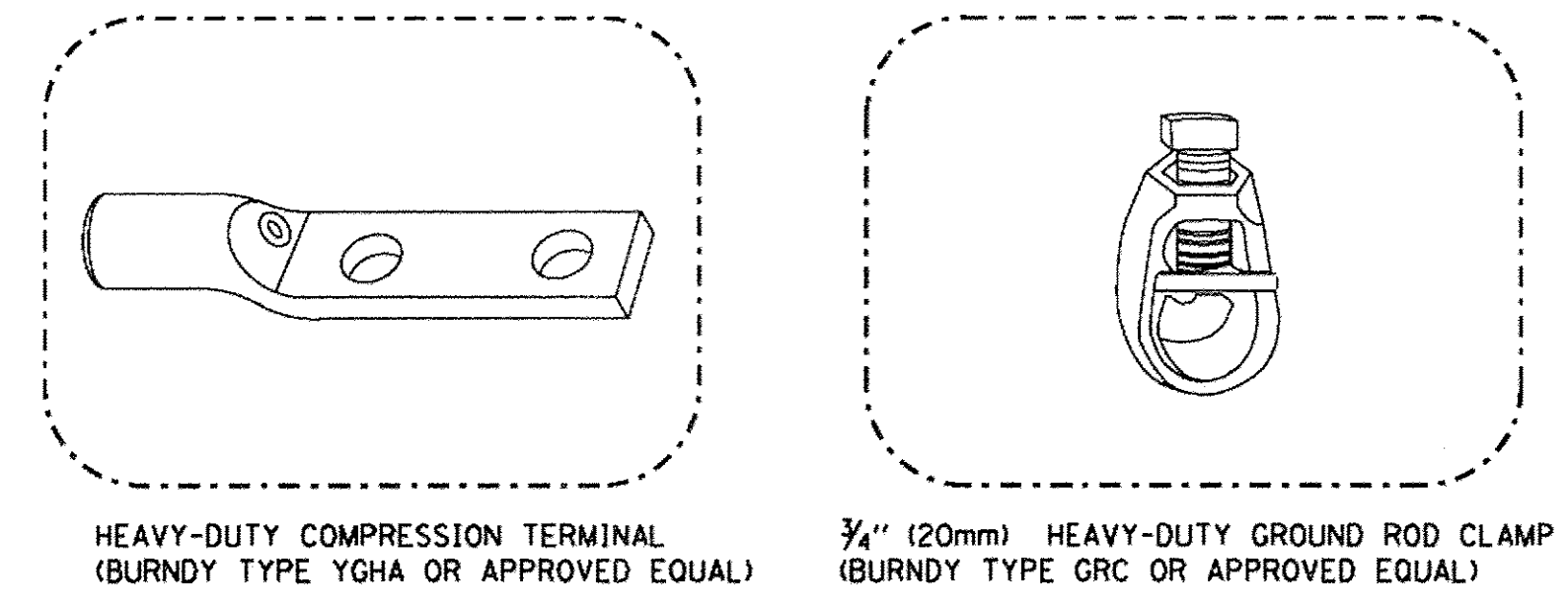
CABINET - BASE BOLT PATTERN (NOT TO SCALE)



HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)

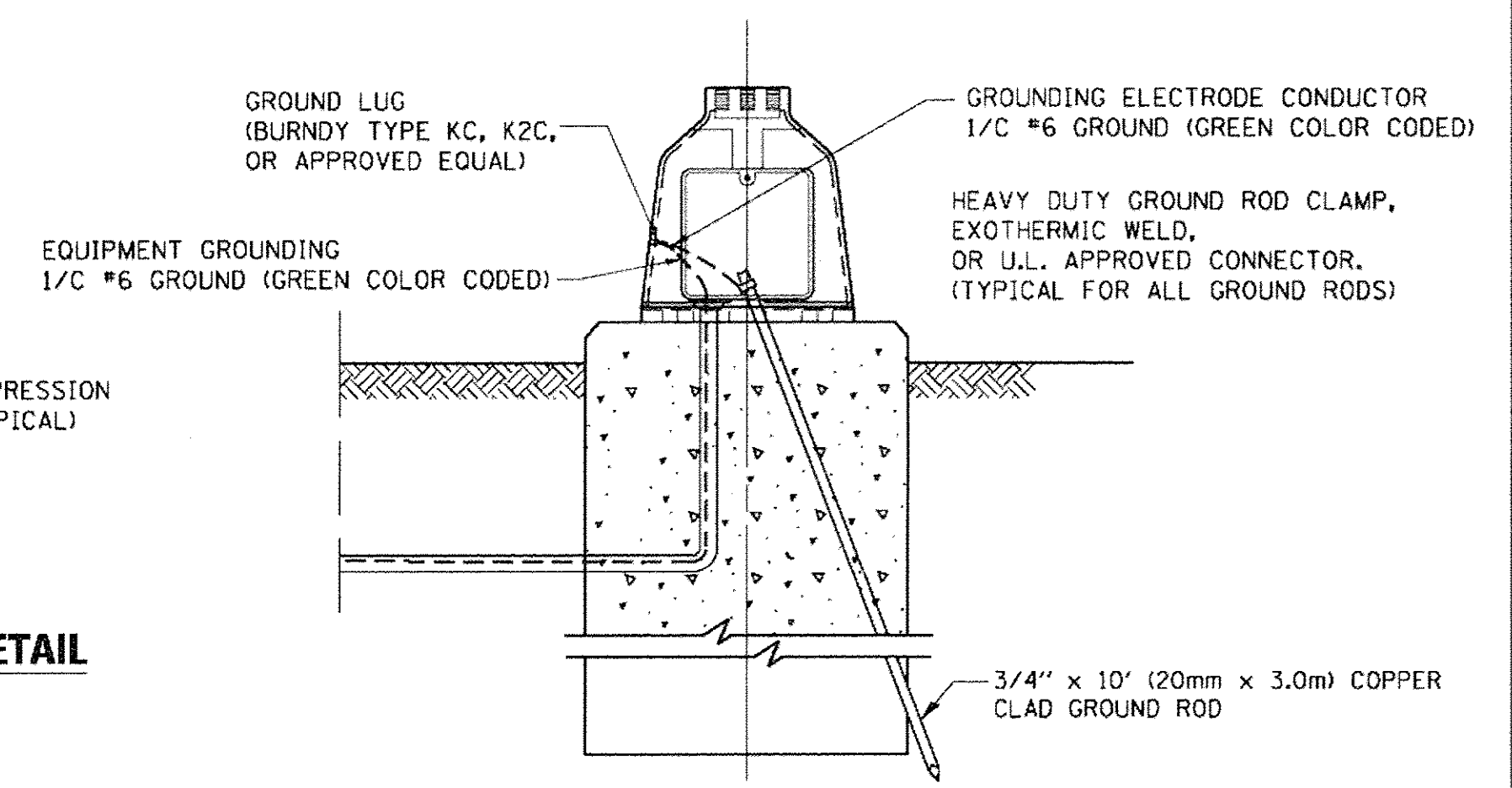


EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)

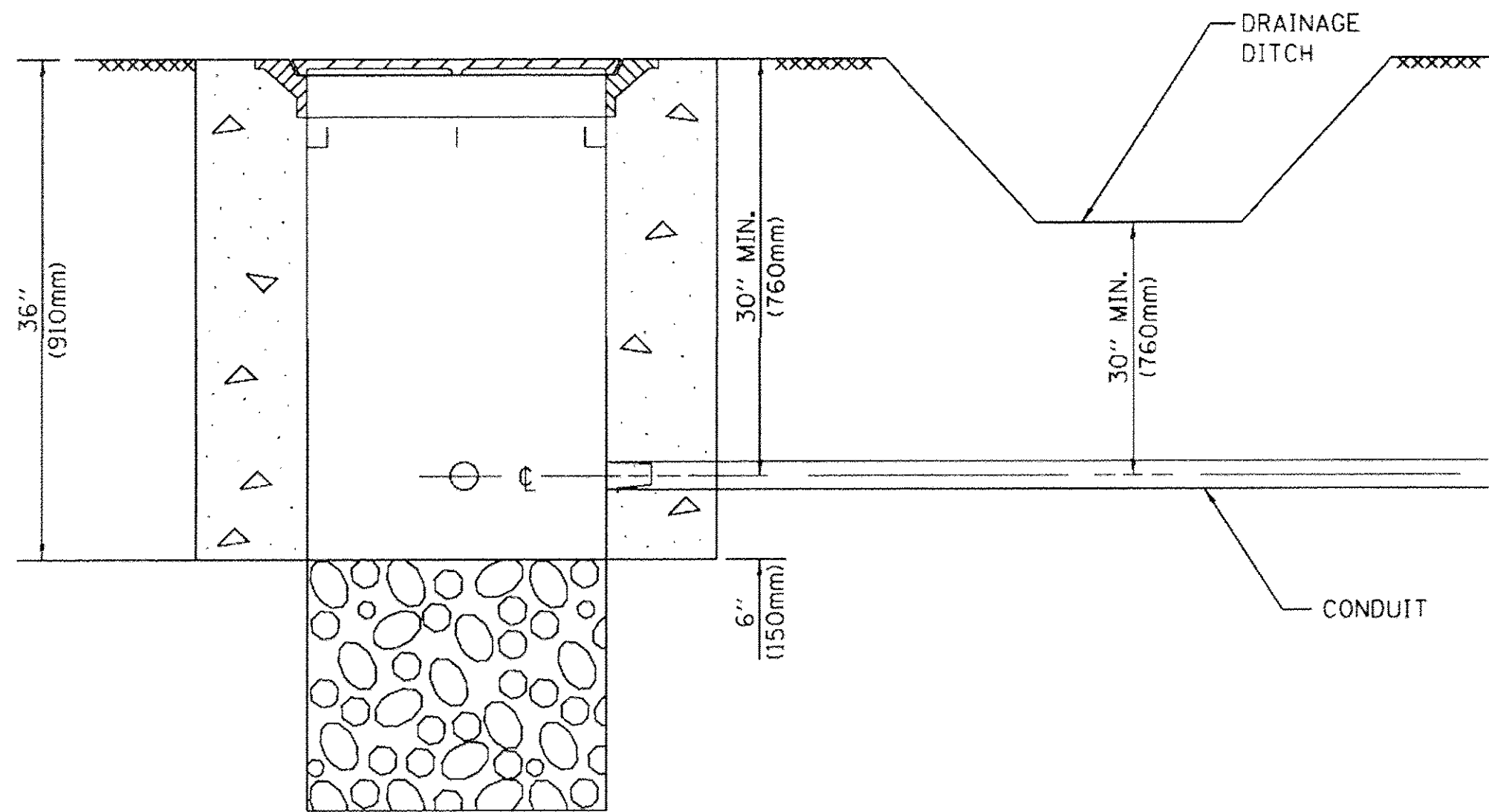


NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
- 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
- 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
- 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



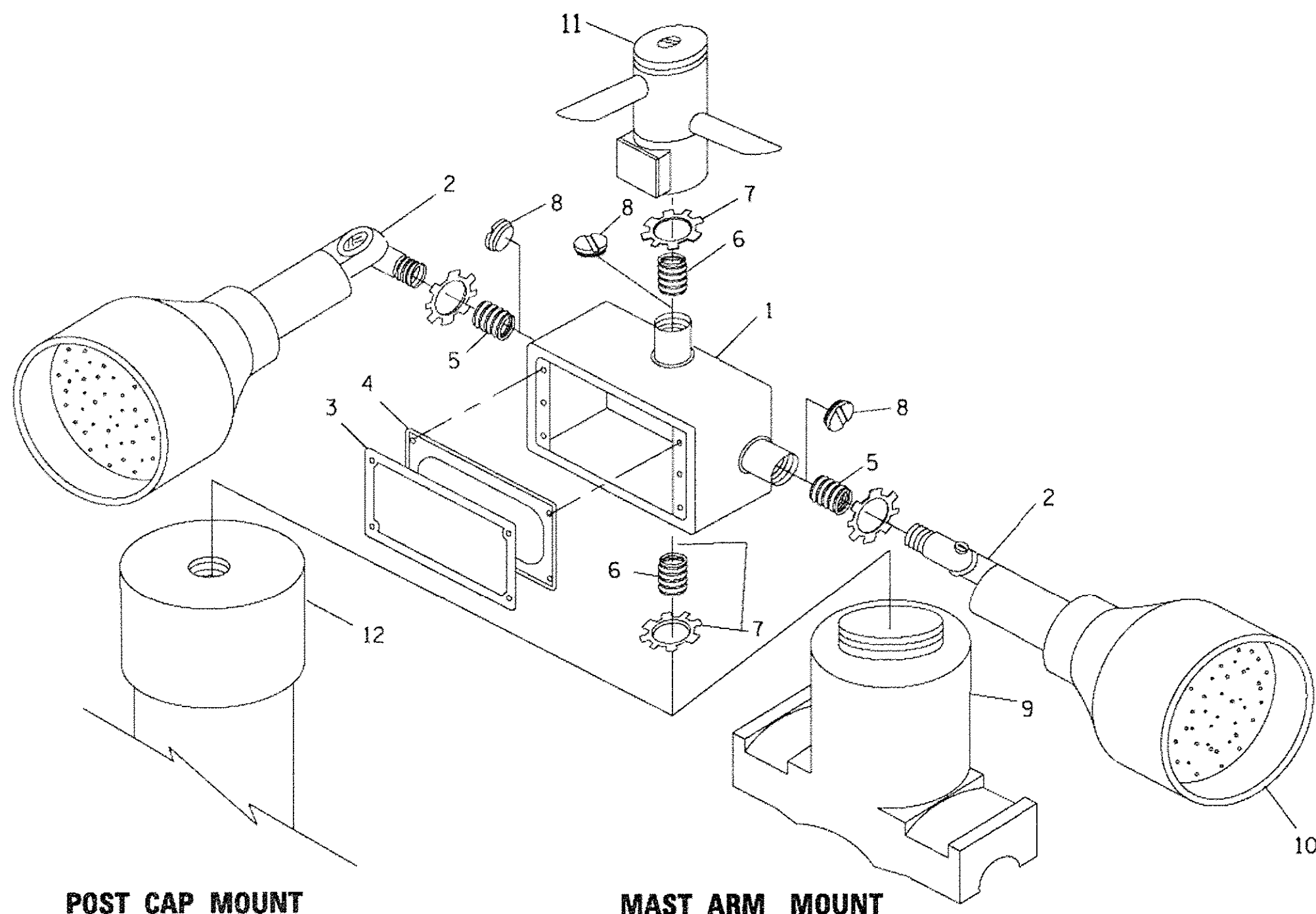
MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)



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.

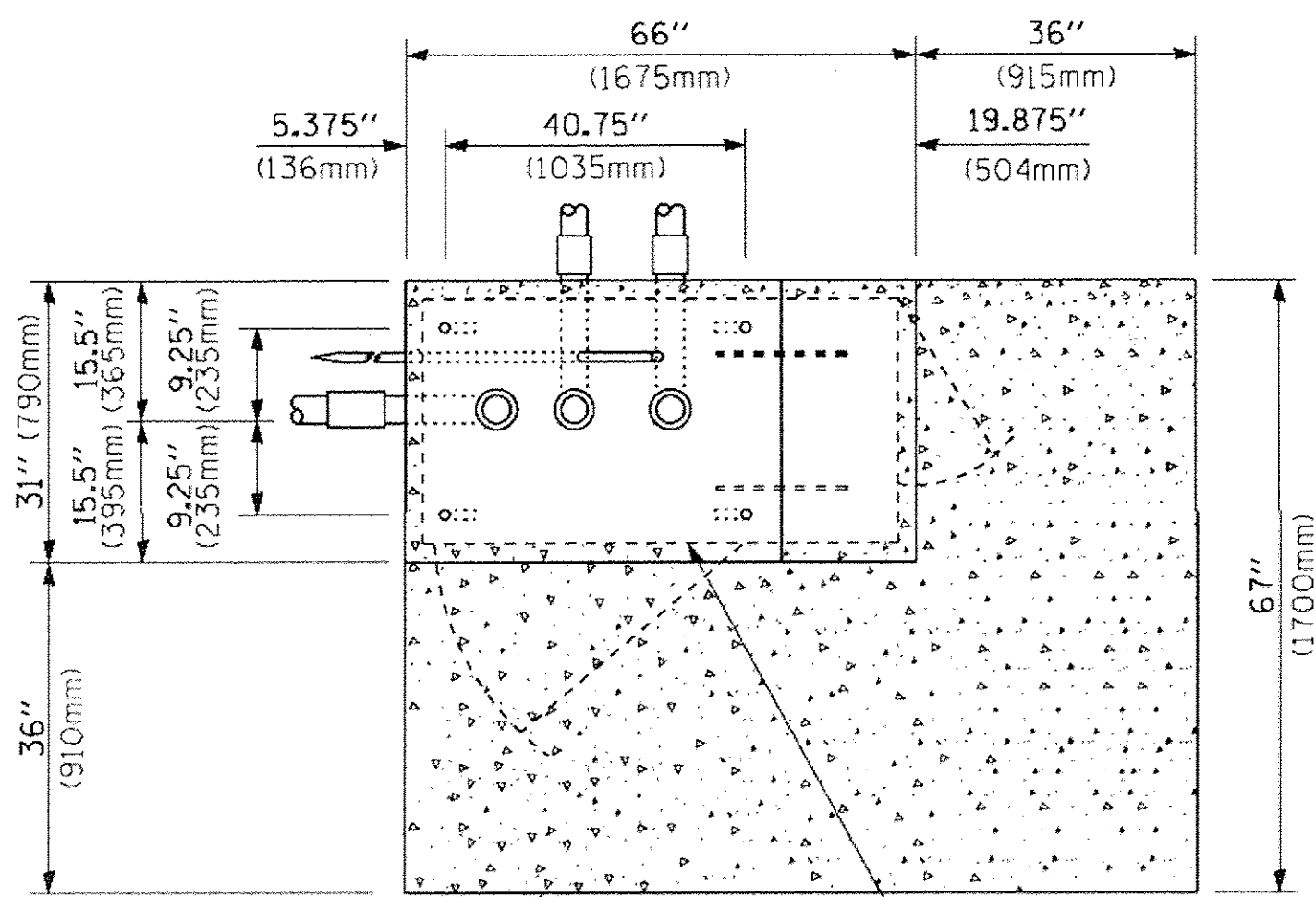
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



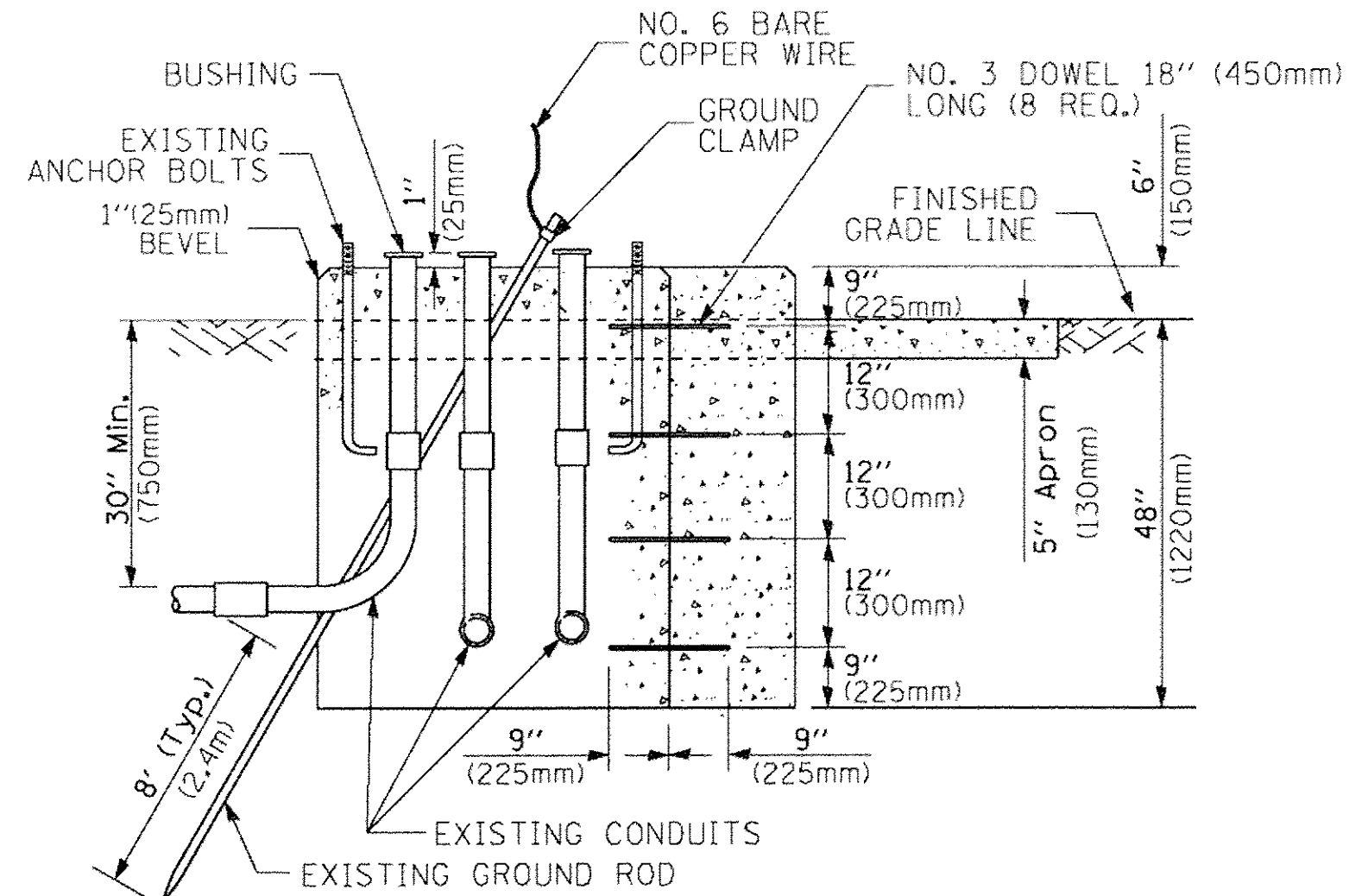
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

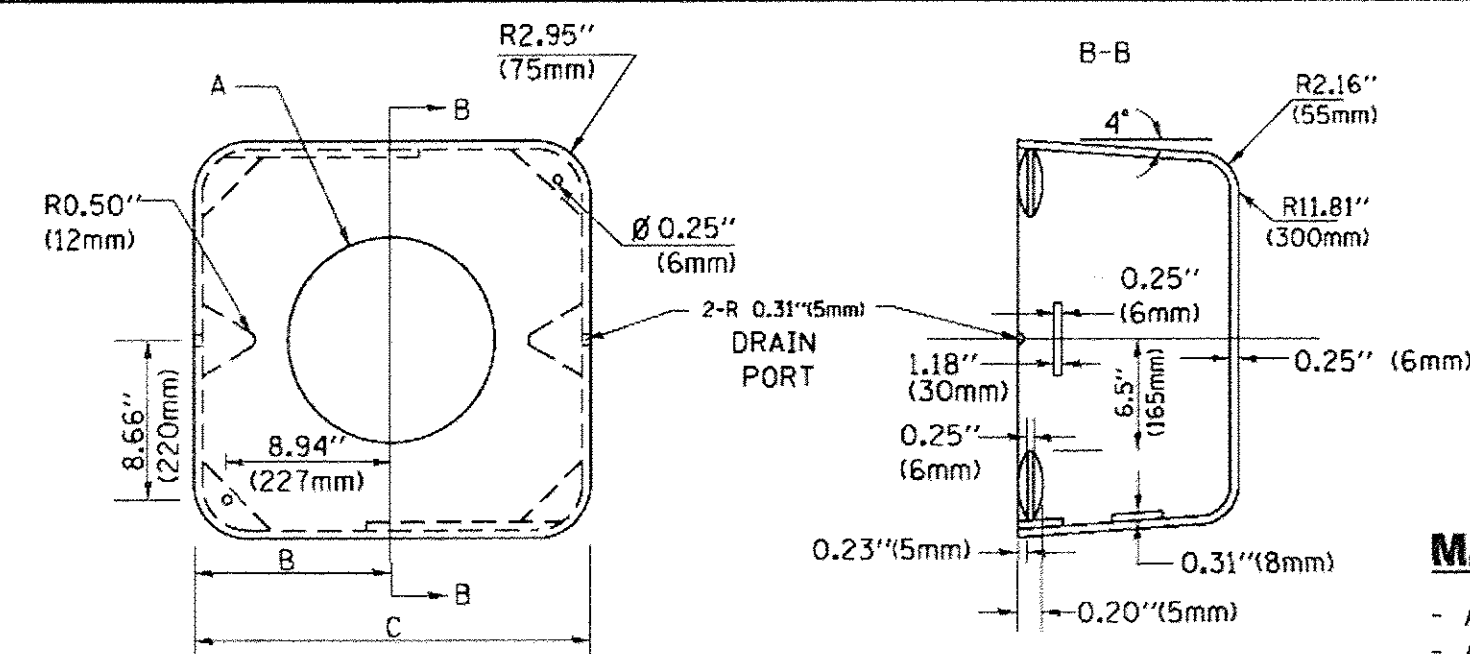


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CU.IN. (0.000344 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-0-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
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

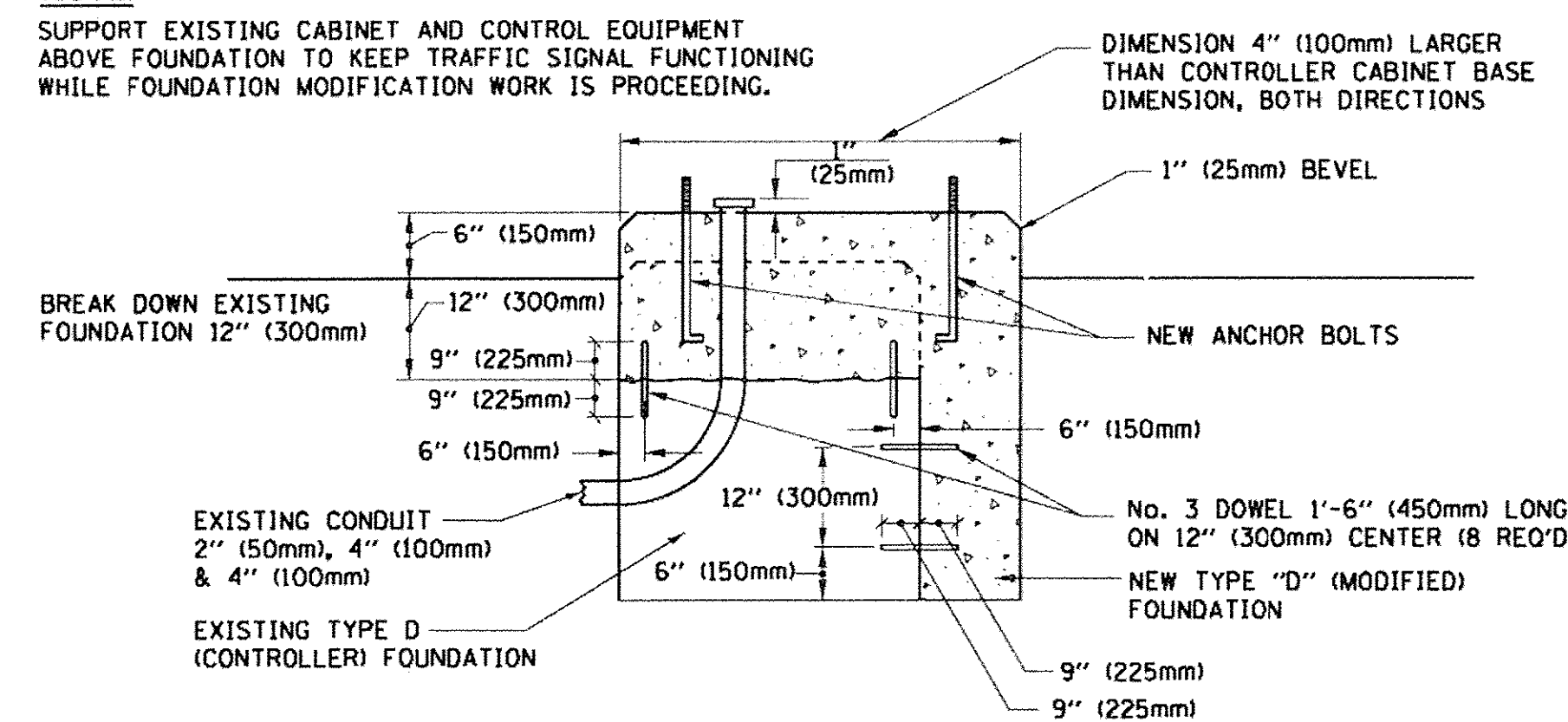
SHROUD

NOTES:

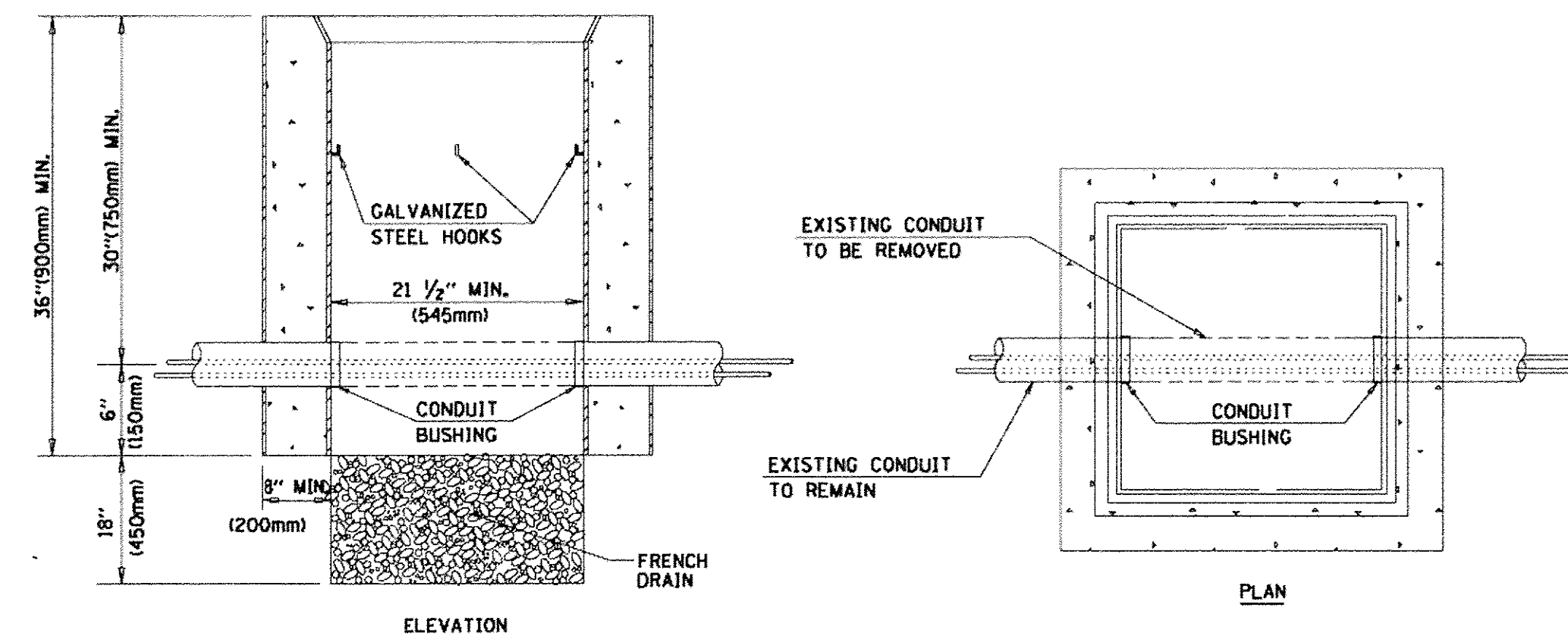
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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:

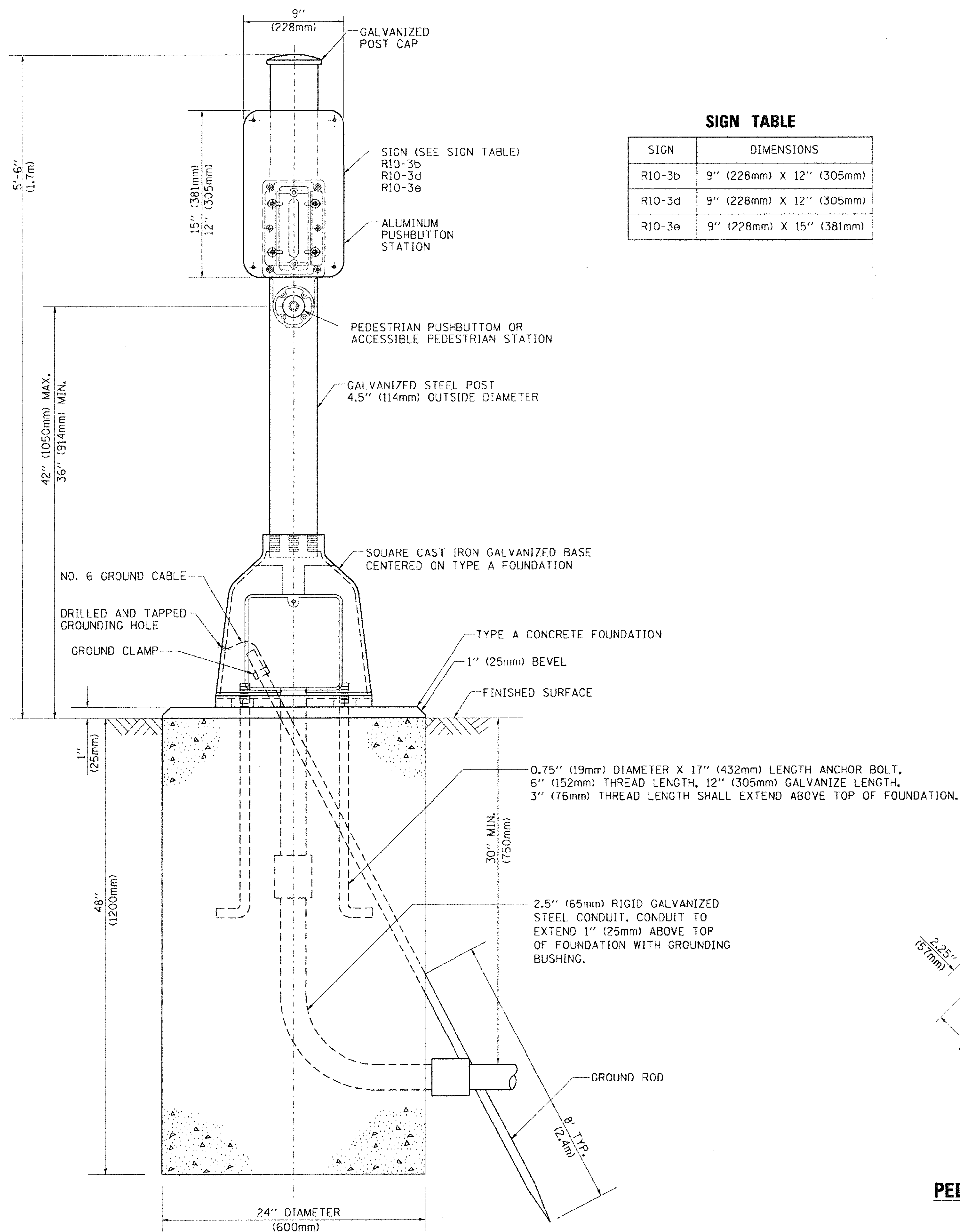
1. HANDHOLE CONSTRUCTED PER STATE STANDARD B14001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME =	USER NAME = footomj	DESIGNED - DAD	REVISED - DAG 1-1-14
ct:\work\p\d\1\footomj\ad0108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

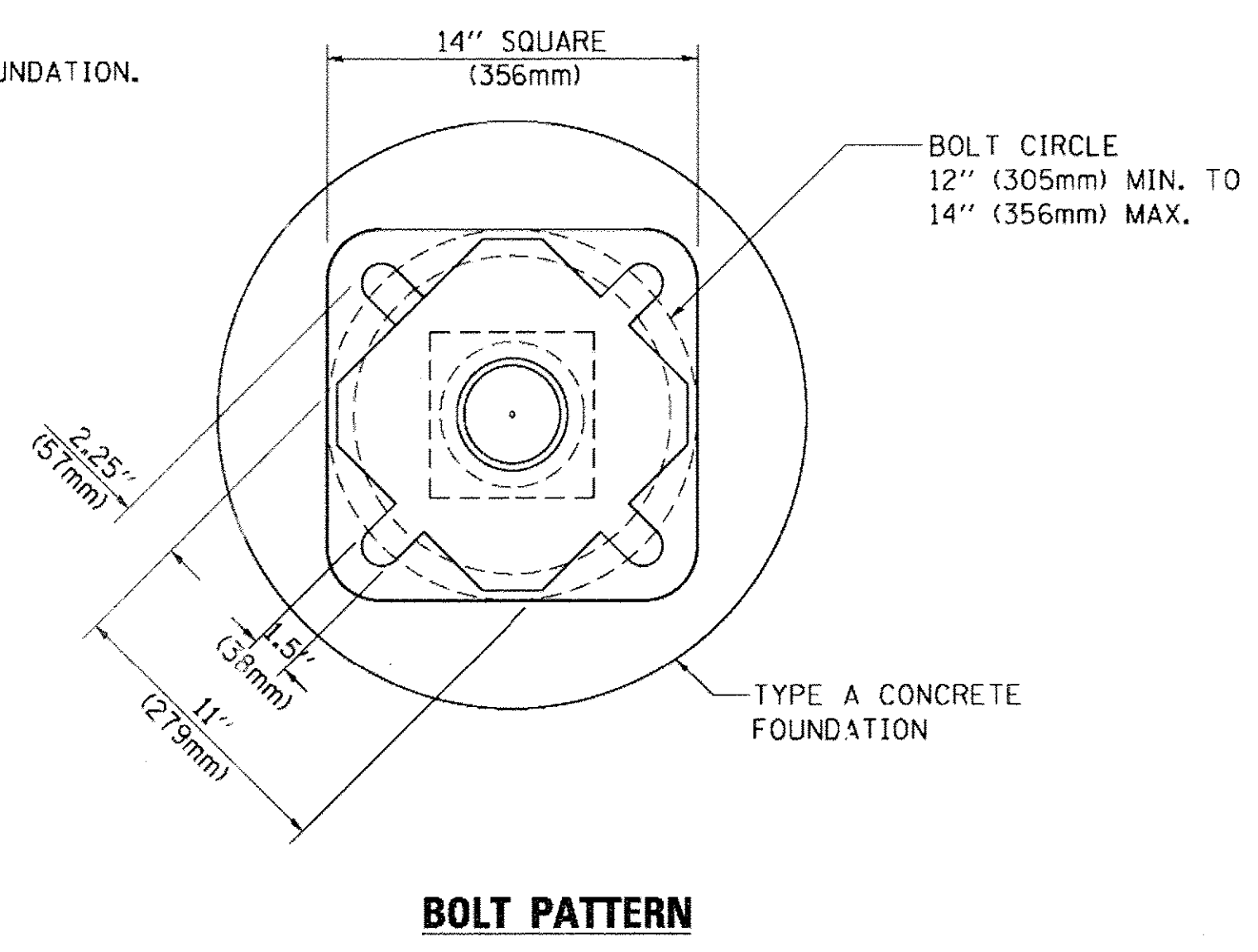
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		369	13-00168-08-SP	DUPAGE	55	29
SCALE: NONE		TS-05		CONTRACT NO. 61C89		
SHEET NO. 6 OF 7 SHEETS		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

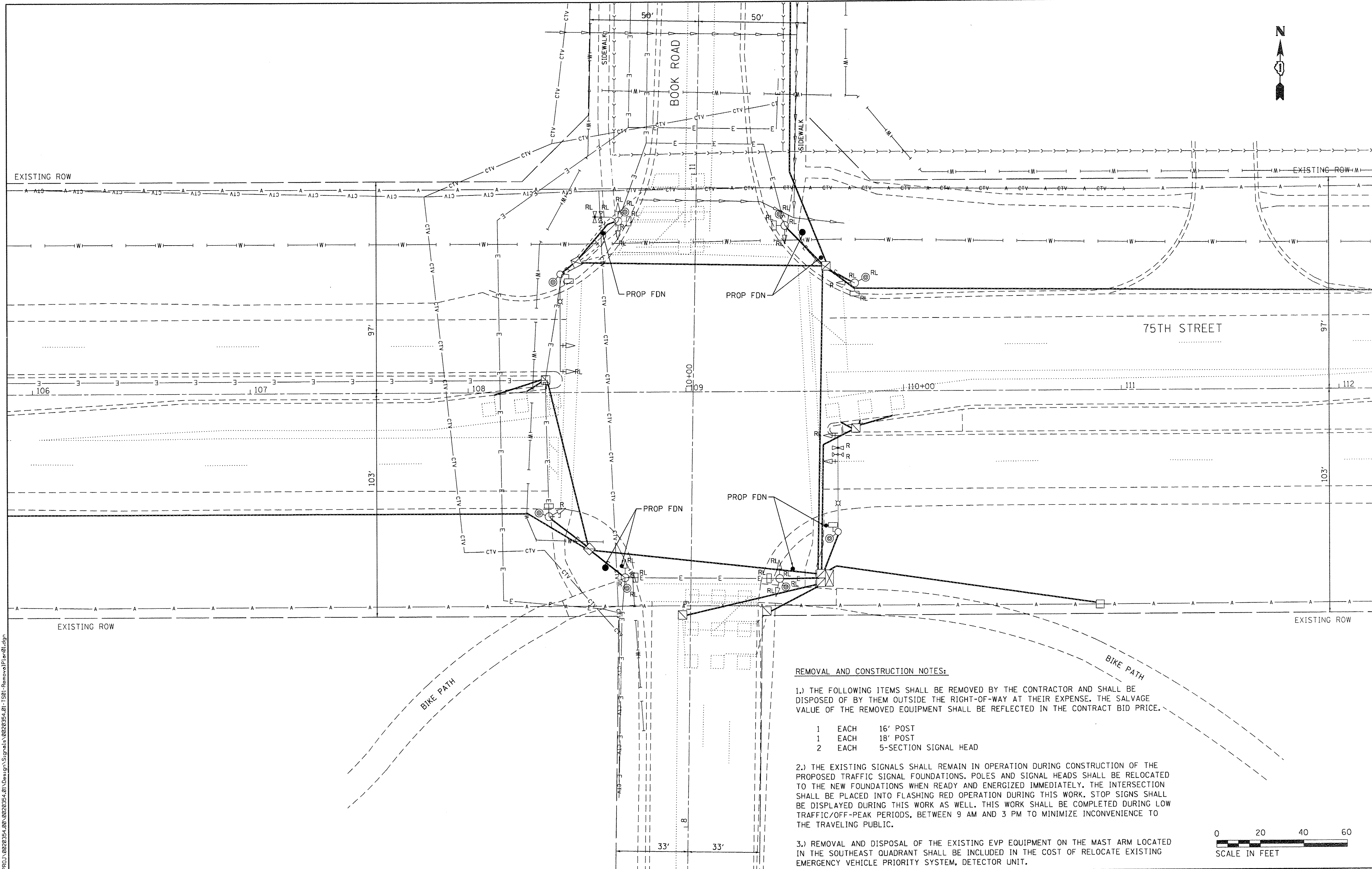


SIGN TABLE

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

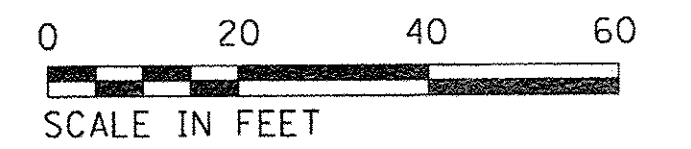


BOLT PATTERN
PEDESTRIAN PUSH BUTTON POST, TYPE A



REMOVAL AND CONSTRUCTION NOTES:

- 1.) THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
 - 1 EACH 16' POST
 - 1 EACH 18' POST
 - 2 EACH 5-SECTION SIGNAL HEAD
- 2.) THE EXISTING SIGNALS SHALL REMAIN IN OPERATION DURING CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNAL FOUNDATIONS. POLES AND SIGNAL HEADS SHALL BE RELOCATED TO THE NEW FOUNDATIONS WHEN READY AND ENERGIZED IMMEDIATELY. THE INTERSECTION SHALL BE PLACED INTO FLASHING RED OPERATION DURING THIS WORK. STOP SIGNS SHALL BE DISPLAYED DURING THIS WORK AS WELL. THIS WORK SHALL BE COMPLETED DURING LOW TRAFFIC/OFF-PEAK PERIODS, BETWEEN 9 AM AND 3 PM TO MINIMIZE INCONVENIENCE TO THE TRAVELING PUBLIC.
- 3.) REMOVAL AND DISPOSAL OF THE EXISTING EVP EQUIPMENT ON THE MAST ARM LOCATED IN THE SOUTHEAST QUADRANT SHALL BE INCLUDED IN THE COST OF RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT.



FILE NAME = N:\PROJECTS\13-00168-08-SP\Design\Sigs\0220354.01-1501-RemovalPlan.dgn

CG
Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jvondra	DESIGNED - JMV	REVISED -
PLOT SCALE = 20,0000' / 1"	DRAWN - SBA	REVISED -
PLOT DATE = 7/8/2016	CHECKED - JMV	REVISED -
	DATE - 12/15/2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

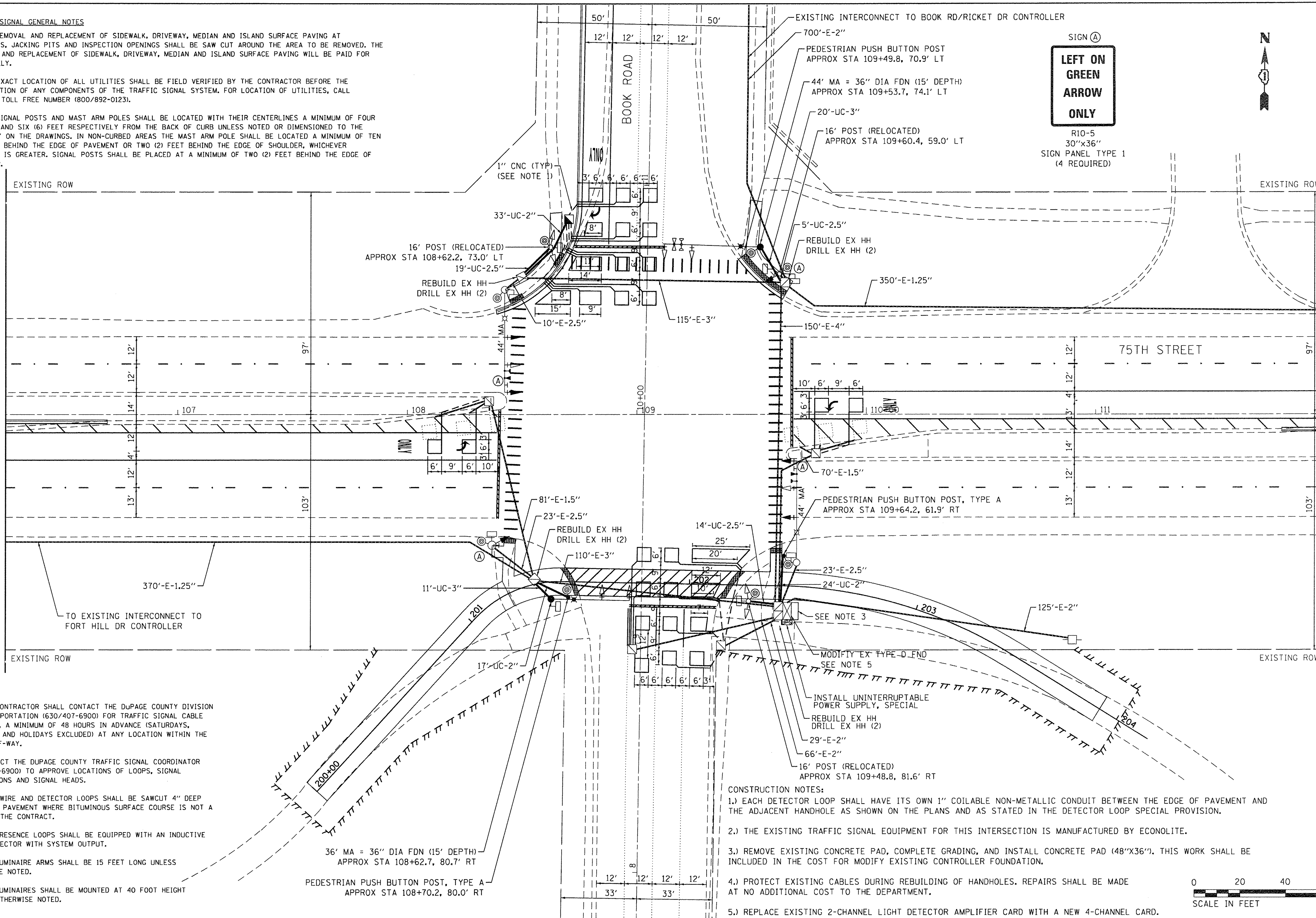
75TH ST AND BOOK ROAD INTERSECTION IMPROVEMENTS TRAFFIC SIGNAL REMOVAL PLAN			
SCALE: 1" = 20'	SHEET NO. 1 OF 1 SHEETS	STA. _____	TO STA. _____

F.A. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	13-00168-08-SP	DUPAGE	54	31
FED. ROAD DIST. NO. _____				ILLINOIS FED. AID PROJECT
CONTRACT NO. 61C89				

TRAFFIC SIGNAL GENERAL NOTES

- 1.) THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING PITS AND INSPECTION OPENINGS SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY.
- 2.) THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES, CALL J.U.L.I.E. TOLL FREE NUMBER (800/892-0123).
- 3.) ALL SIGNAL POSTS AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOUR (4) FEET AND SIX (6) FEET RESPECTIVELY FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHALL BE PLACED AT A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF SHOULDER.

MATCHLINE STA 106+25
SEE SHEET 33



SIGN (A)
**LEFT ON GREEN
ARROW
ONLY**
R10-5
30"x36"
SIGN PANEL TYPE 1
(4 REQUIRED)



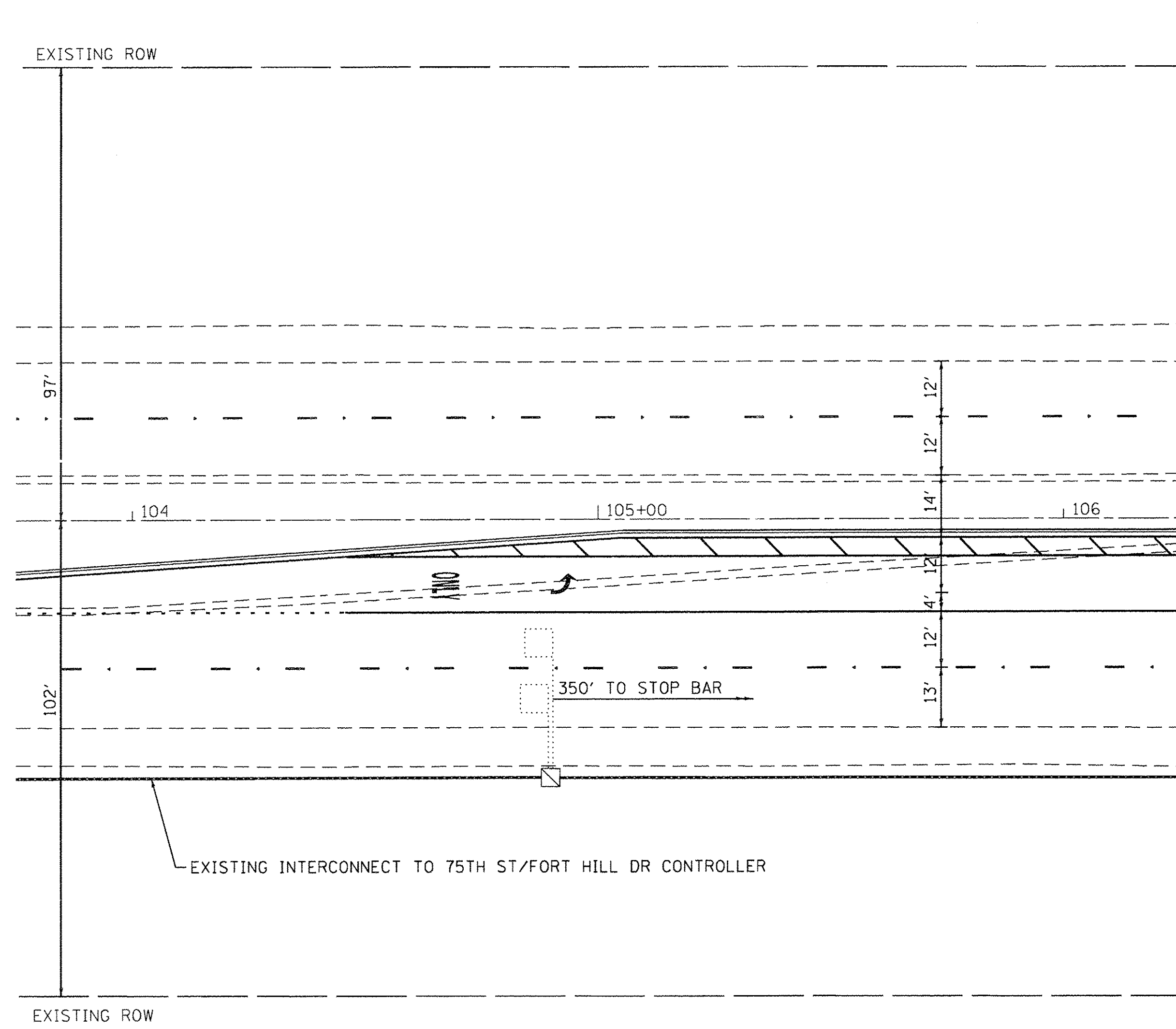
- 4.) THE CONTRACTOR SHALL CONTACT THE DUPAGE COUNTY DIVISION OF TRANSPORTATION (630/407-6900) FOR TRAFFIC SIGNAL CABLE LOCATION, A MINIMUM OF 48 HOURS IN ADVANCE (SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED) AT ANY LOCATION WITHIN THE RIGHT-OF-WAY.
- 5.) CONTACT THE DUPAGE COUNTY TRAFFIC SIGNAL COORDINATOR (630/407-6900) TO APPROVE LOCATIONS OF LOOPS, SIGNAL FOUNDATIONS AND SIGNAL HEADS.
- 6.) LEAD WIRE AND DETECTOR LOOPS SHALL BE SAWCUT 4" DEEP INTO THE PAVEMENT WHERE BITUMINOUS SURFACE COURSE IS NOT A PART OF THE CONTRACT.
- 7.) ALL PRESENCE LOOPS SHALL BE EQUIPPED WITH AN INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT.
- 8.) ALL LUMINAIRE ARMS SHALL BE 15 FEET LONG UNLESS OTHERWISE NOTED.
- 9.) ALL LUMINAIRES SHALL BE MOUNTED AT 40 FOOT HEIGHT UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES:

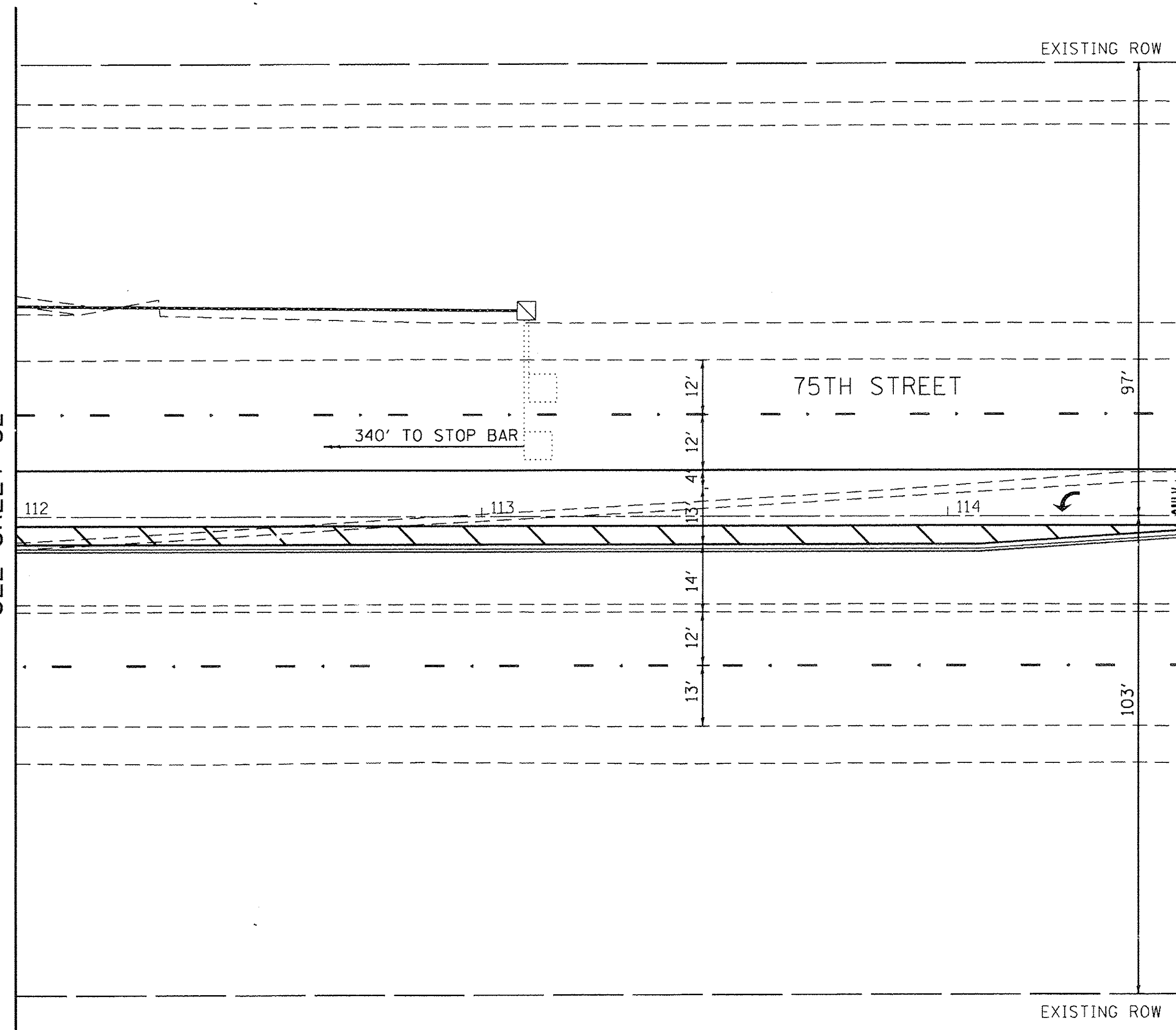
- 1.) EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE DETECTOR LOOP SPECIAL PROVISION.
- 2.) THE EXISTING TRAFFIC SIGNAL EQUIPMENT FOR THIS INTERSECTION IS MANUFACTURED BY ECONOLITE.
- 3.) REMOVE EXISTING CONCRETE PAD, COMPLETE GRADING, AND INSTALL CONCRETE PAD (48"x36"). THIS WORK SHALL BE INCLUDED IN THE COST FOR MODIFY EXISTING CONTROLLER FOUNDATION.
- 4.) PROTECT EXISTING CABLES DURING REBUILDING OF HANDHOLES. REPAIRS SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 5.) REPLACE EXISTING 2-CHANNEL LIGHT DETECTOR AMPLIFIER CARD WITH A NEW 4-CHANNEL CARD.



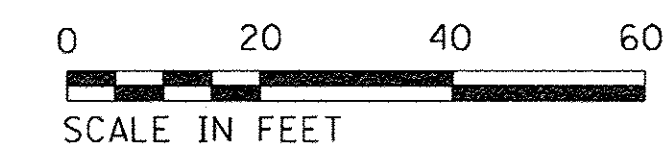
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MATCHLINE STA 106+25
SEE SHEET 32



MATCHLINE STA 112+00
SEE SHEET 32



FILE NAME = N:\PROJ\0020354\00\0020354.dgn



Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jvondra	DESIGNED - JMV	REVISED -
DRAWN - SBA	REVISIONS	
PLOT SCALE = 20.0000' / 1" = 20'	CHECKED - JMV	REVISED -
PLOT DATE = 6/14/2016	DATE - 12/15/2015	REVISED -

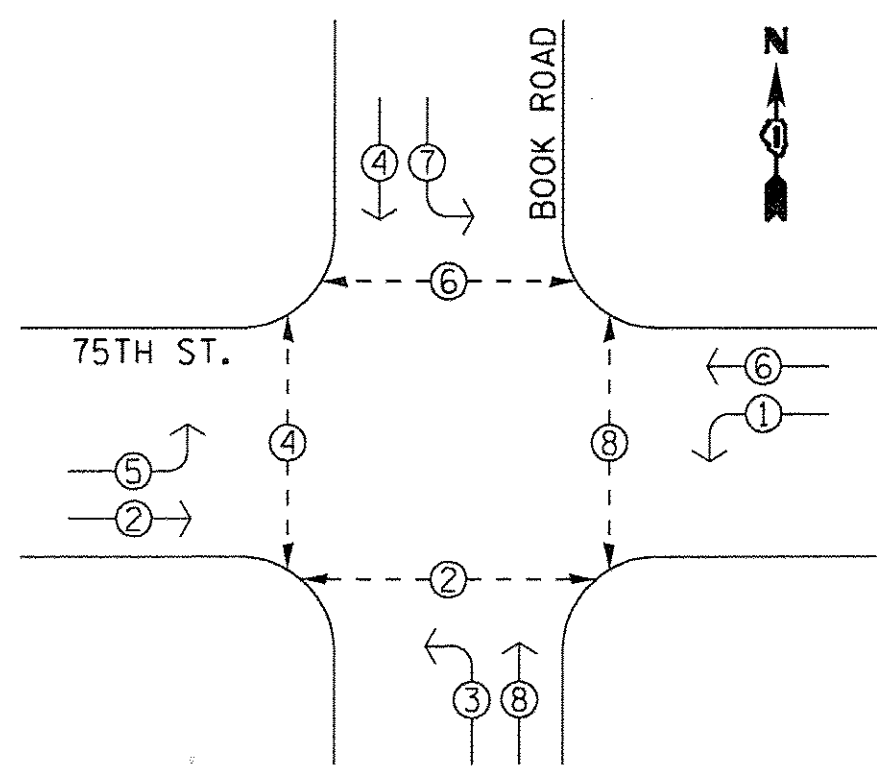
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**75TH ST AND BOOK ROAD INTERSECTION IMPROVEMENTS
TRAFFIC SIGNAL MODIFICATION PLAN**

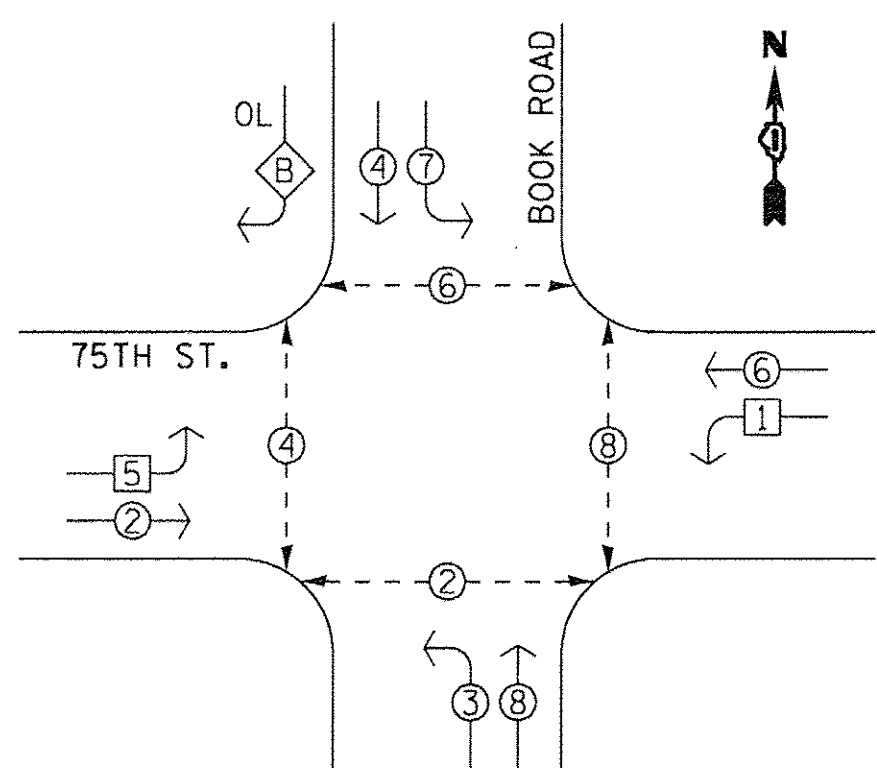
SCALE: 1" = 20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A. RTE. 369	SECTION 13-00168-08-SP	COUNTY DUPAGE	TOTAL SHEETS 55	SHEET NO. 33
CONTRACT NO. 61C89				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

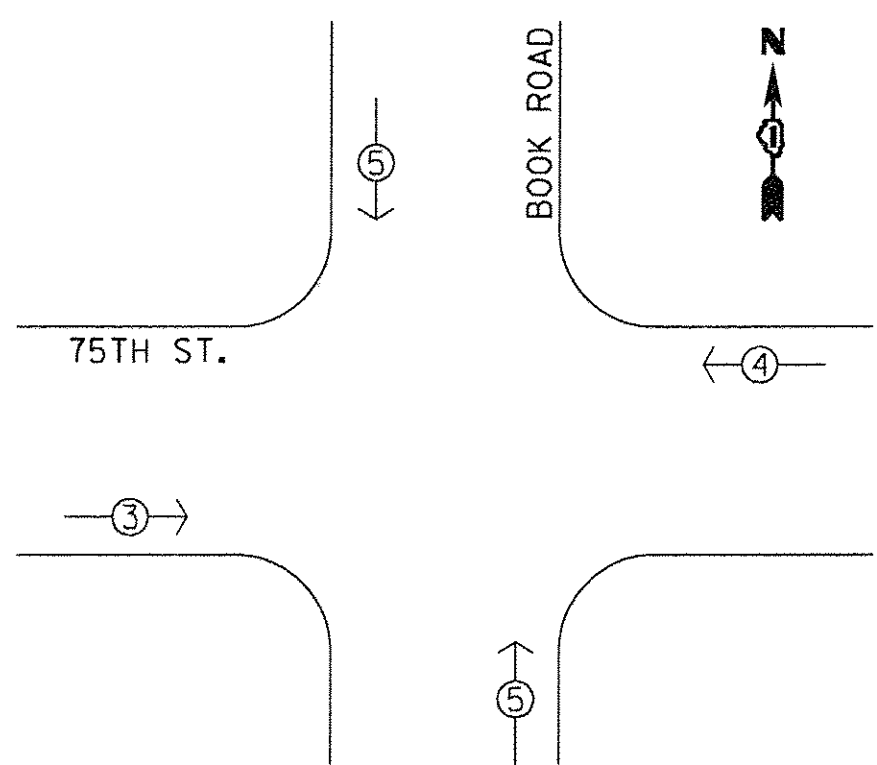
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE



- LEGEND**
- ◉ DUAL ENTRY PHASE
 - ◻ SINGLE ENTRY PHASE
 - ◉→ PEDESTRIAN ENTRY PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE
 - ◊ OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION

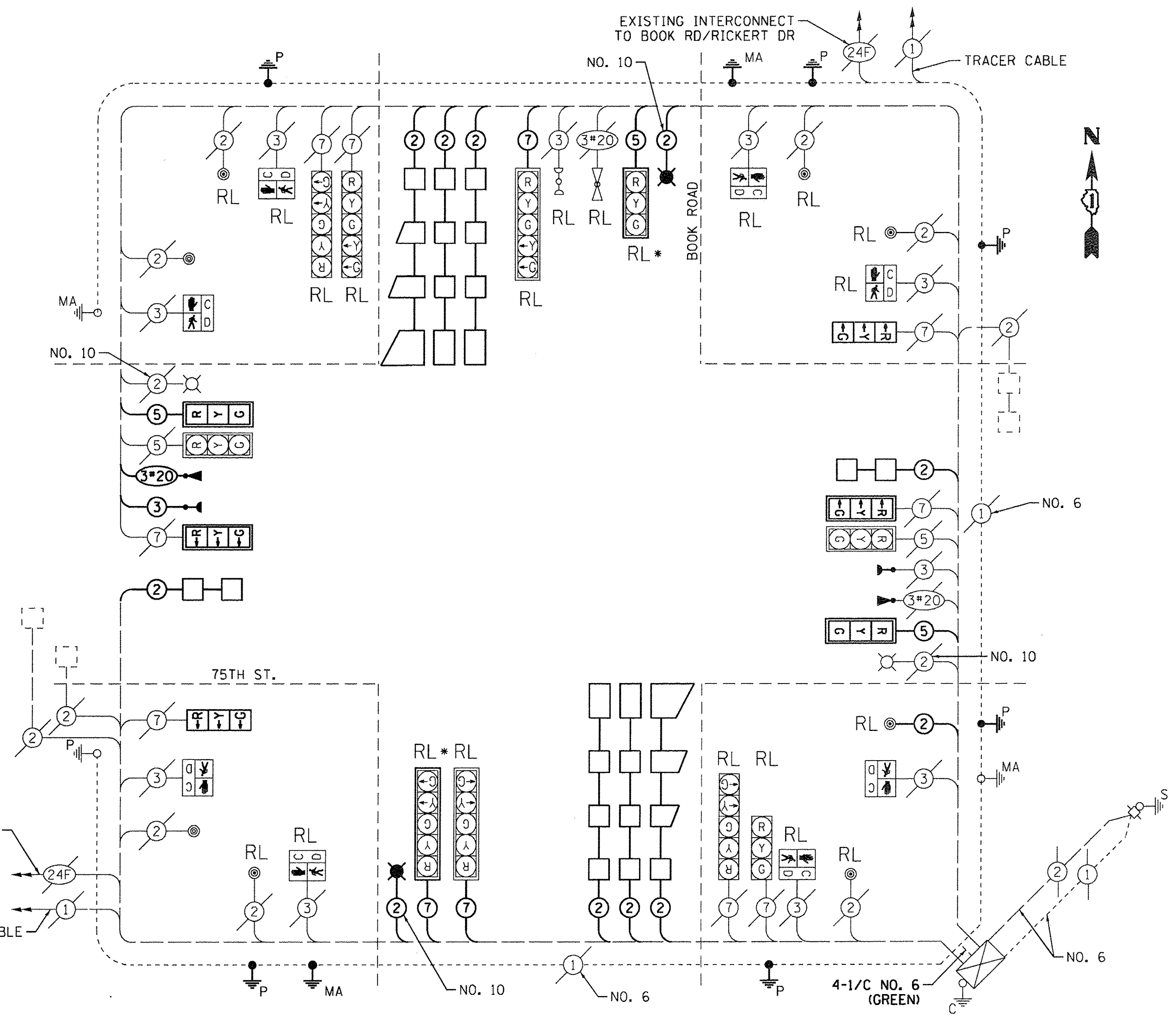
OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE

B = 4 + 5

- NOTES:**
- THE EXISTING TRAFFIC SIGNAL EQUIPMENT FOR THIS INTERSECTION IS MANUFACTURED BY ECONOLITE.
 - THIS INTERSECTION HAS AN EXISTING SYSTEM GROUNDING SYSTEM. EXISTING HANDHOLES (INCLUDING LIDS) SHALL BE GROUNDED AS NOTED.

EXISTING INTERCONNECT TO FORT HILL DRIVE

TRACER CABLE



CABLE PLAN
NOT TO SCALE

RL = RELOCATED
* = INSTALL NEW BACKPLATE

SCHEDULE OF QUANTITIES

ITEM#	DESCRIPTION	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	42
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	74
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	38
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	31
81400100	HANDHOLE	EACH	1
82103310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 310 WATT	EACH	2
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87300010	GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	5
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	56
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	377
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	753
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	681
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1PAIR	FOOT	1176
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	204
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
87900100	CONCRETE FOUNDATION, TYPE A	FOOT	20
87900415	CONCRETE FOUNDATION, TYPE B 36-INCH DIAMETER	FOOT	30
87900200	DRILL EXISTING HANDHOLE	EACH	8
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6
88500100	INDUCTIVE LOOP DETECTOR	EACH	1

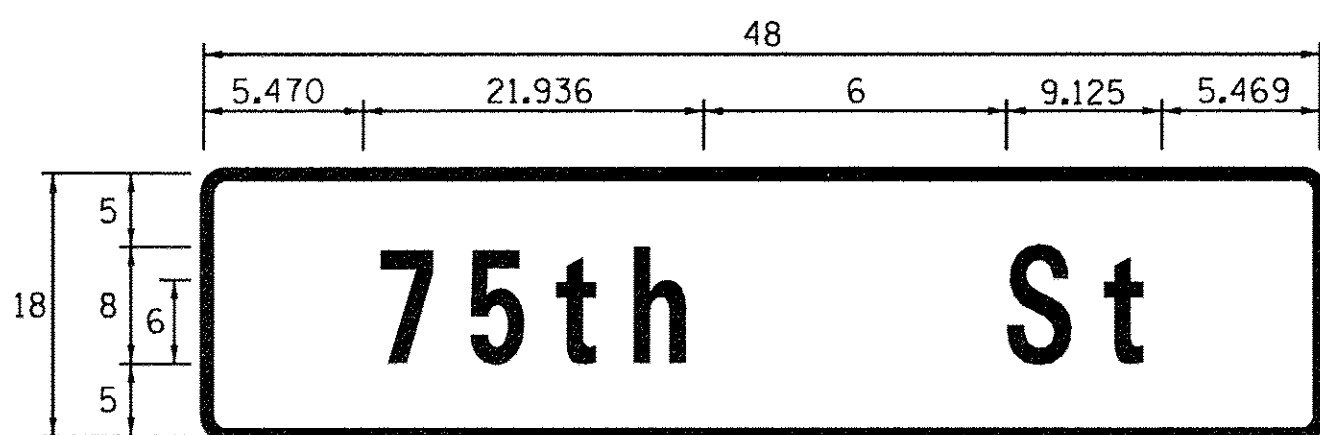
ITEM #	DESCRIPTION	UNIT	QUANTITY
88600100	DETECTOR LOOP, TYPE I	FOOT	1238
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	8
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	5
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	6
89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	3
89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1023
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1012
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
89502376	REBUILD EXISTING HANDHOLE	EACH	4
X0320021	MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	377
X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
X8730104	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 10 2C	FOOT	473
X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	2
X8950055	REMOVE EXISTING SIGNAL HEAD	EACH	2
XX007325	REMOVE EXISTING TRAFFIC SIGNAL POST	EACH	2
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88
(YELLOW)	16	20	5	16
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	12	10	10	12
PROTECTED ARROW	-	10	33.3	-
PED SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
TOTAL =				487.4

ENERGY COSTS TO:
CITY OF NAPERVILLE
400 S. EAGLE STREET
NAPERVILLE, IL 60540

ENERGY SUPPLY CONTACT: CUSTOMER SERVICE
PHONE: (800) 334-7661
COMPANY: COM. ED.



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2

SIGN PANEL - TYPE 1 OR TYPE 2

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = jvandra
DESIGNED - JMV
DRAWN - SBA
CHECKED - JMV
DATE - 12/15/2015

PLOT SCALE = 1:8000
PLOT DATE = 7/9/2016

REVISED -
REVISED -
REVISED -
REVISED -

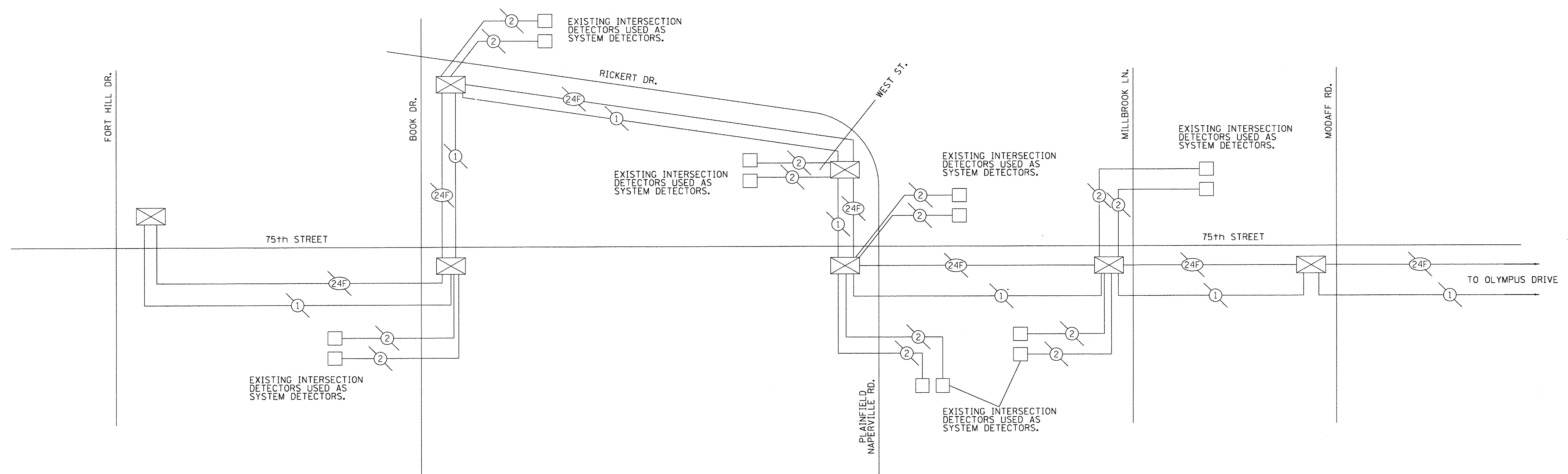
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

75TH ST AND BOOK ROAD INTERSECTION IMPROVEMENTS
TRAFFIC SIGNAL CABLE PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	13-00168-08-SP	DUPAGE	54	34
CONTRACT NO. 61C89				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

FILE NAME = N:\PROJECTS\0220354\0220354.dwg; Design: Signal; 0220354.dwg; 1-1503; CablePlan.dwg

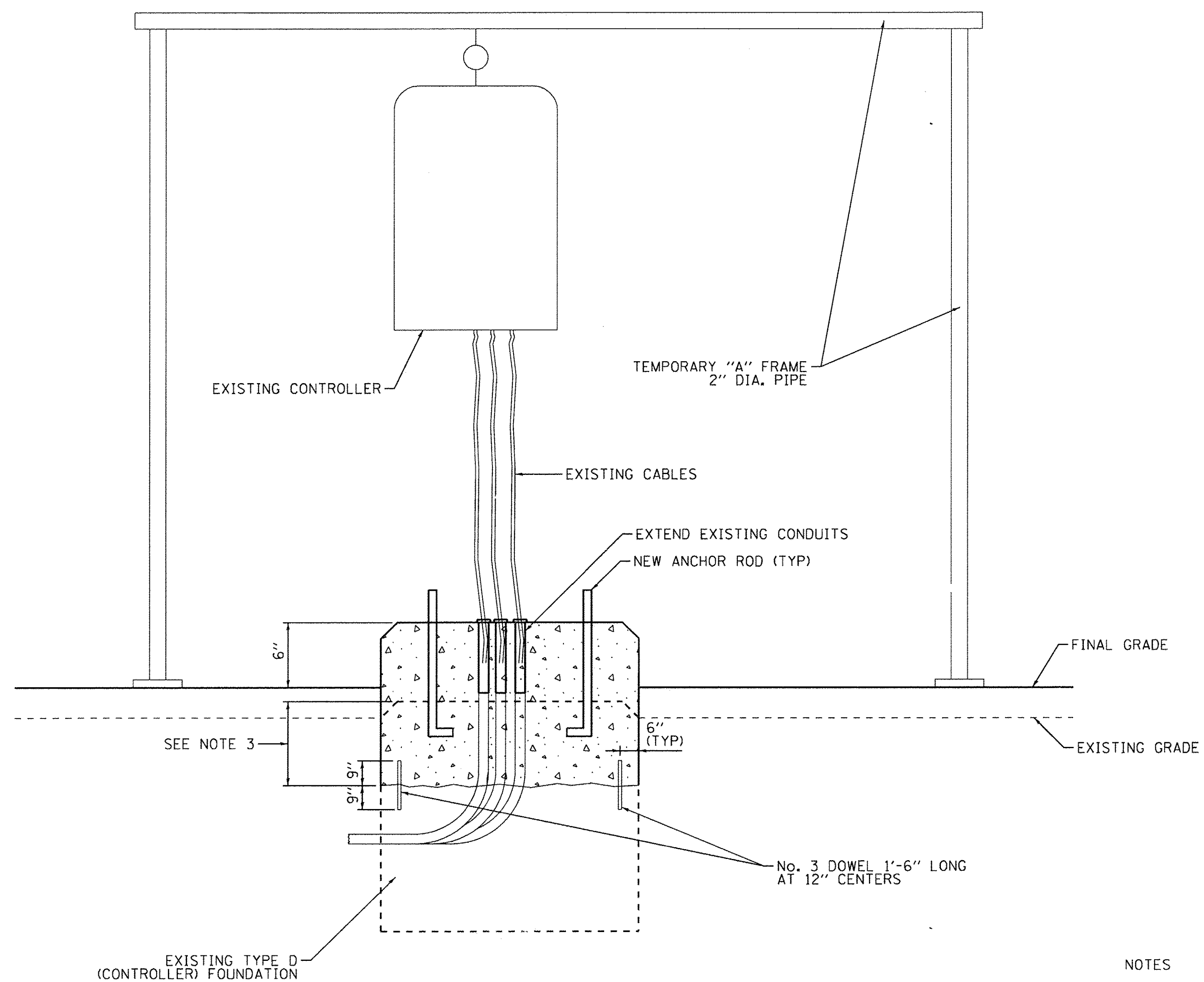


INTERCONNECT SCHEMATIC PLAN

- INTERCONNECT PLAN LEGEND**
- EXISTING INTERSECTION CONTROLLER
 - EXISTING SYSTEM DETECTOR
 - EXISTING FIBER OPTIC CABLE (62.5/125 MM 12F & SM 12F)
 - EXISTING TRACER CABLE NO. 14 1/C
 - EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED (EXISTING)

FOR REFERENCE ONLY

FILE NAME: N:\PROJECTS\00220354\00\00220354.dgn



MODIFY EXISTING TYPE "D" FOUNDATION

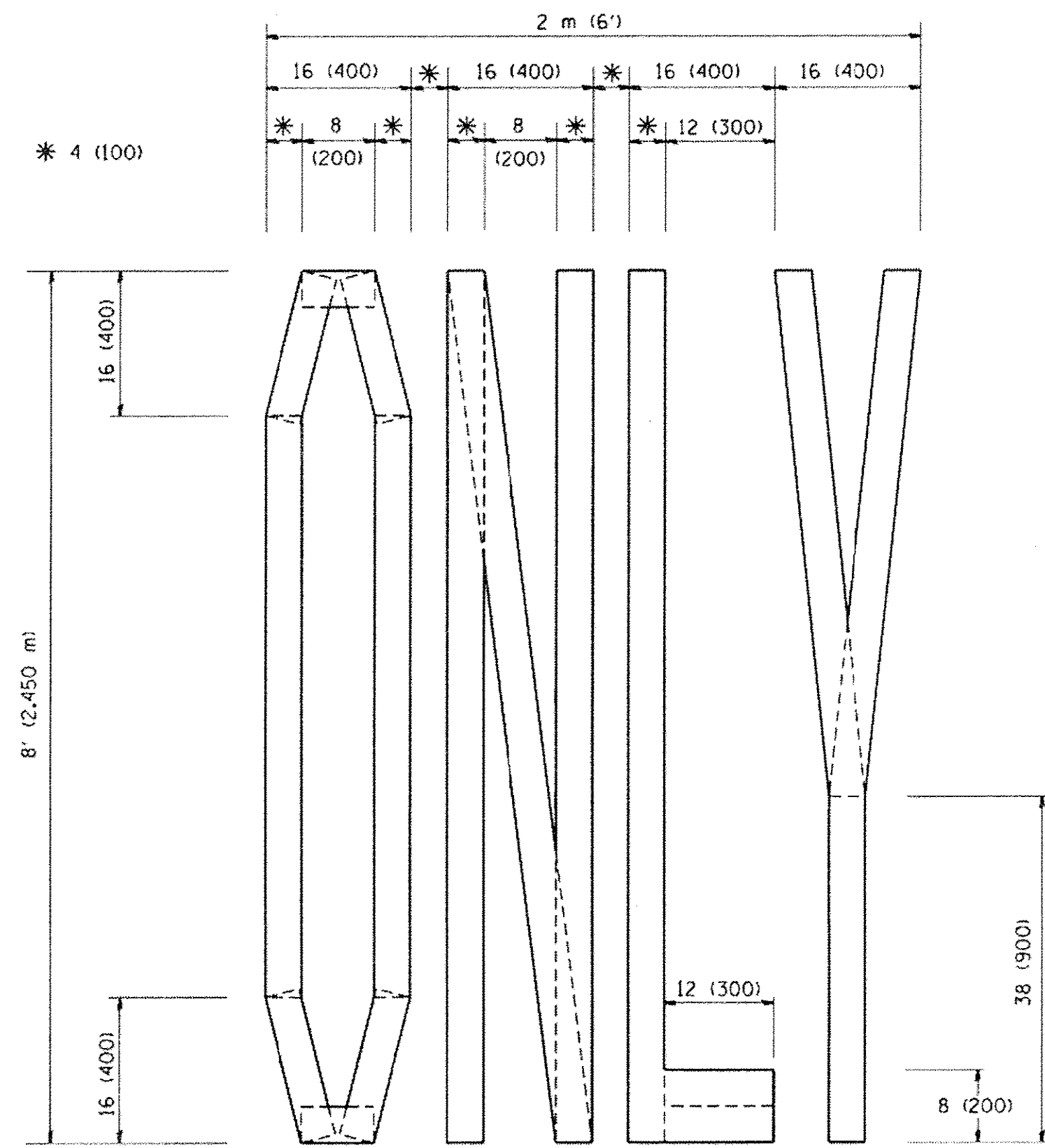
NOTES

- 1.) EXISTING CONTROLLER SHALL REMAIN IN OPERATION DURING MODIFICATION OF EXISTING FOUNDATION.
- 2.) WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 878 OF THE STANDARD SPECIFICATIONS.
- 3.) THE CONTRACTOR SHALL BREAK DOWN THE EXISTING FOUNDATION A MINIMUM OF 12" BELOW EXISTING GRADE. REMOVE ADDITIONAL MATERIAL AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THE NEW ANCHOR RODS.

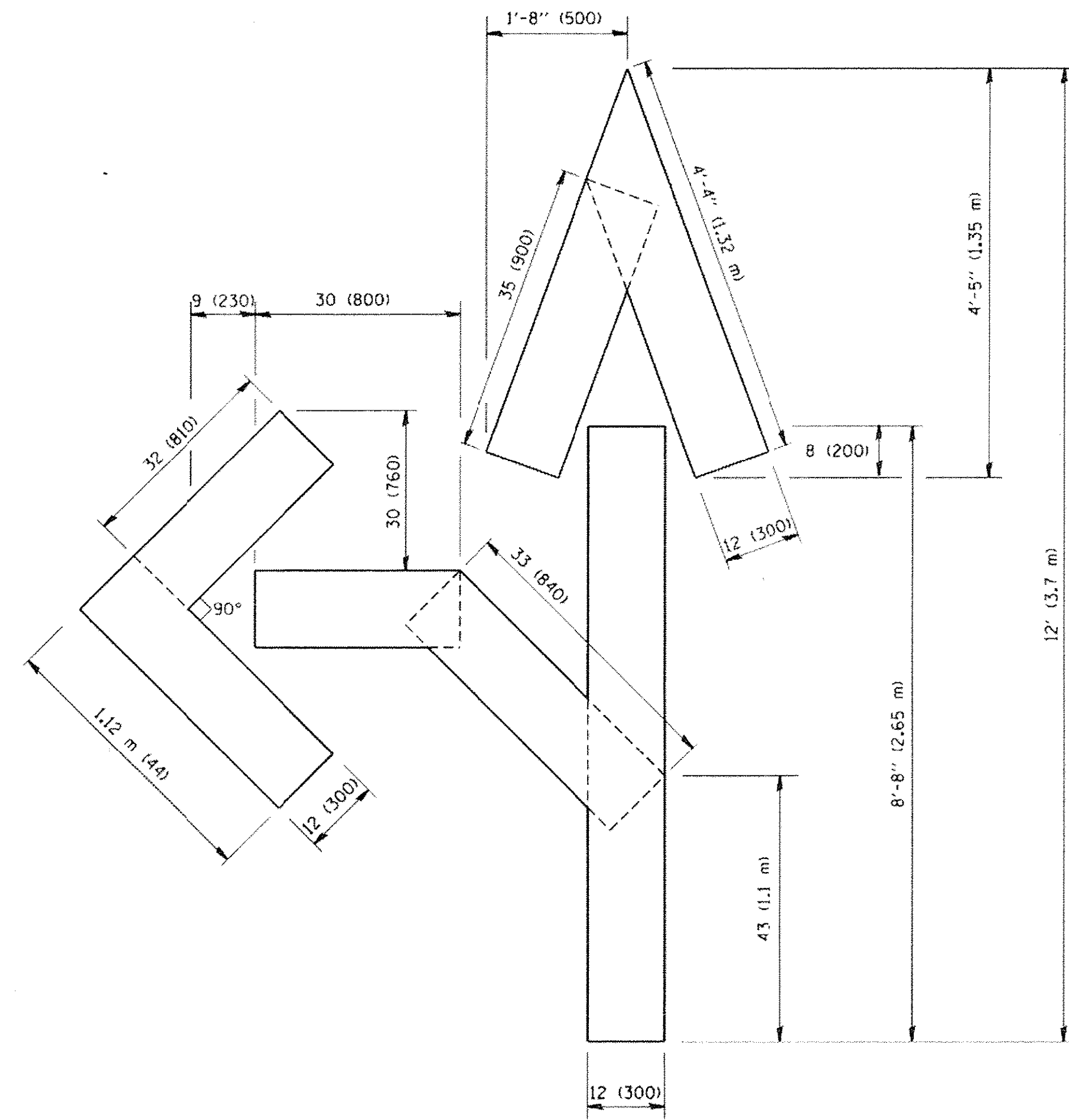
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USER NAME = jvondra	DESIGNED - JMV	REVISED -
	DRAWN - SBA	REVISED -
PLOT SCALE = 1/8" = 1'-0"	CHECKED - JMV	REVISED -
PLOT DATE = 6/14/2016	DATE - 12/15/2015	REVISED -

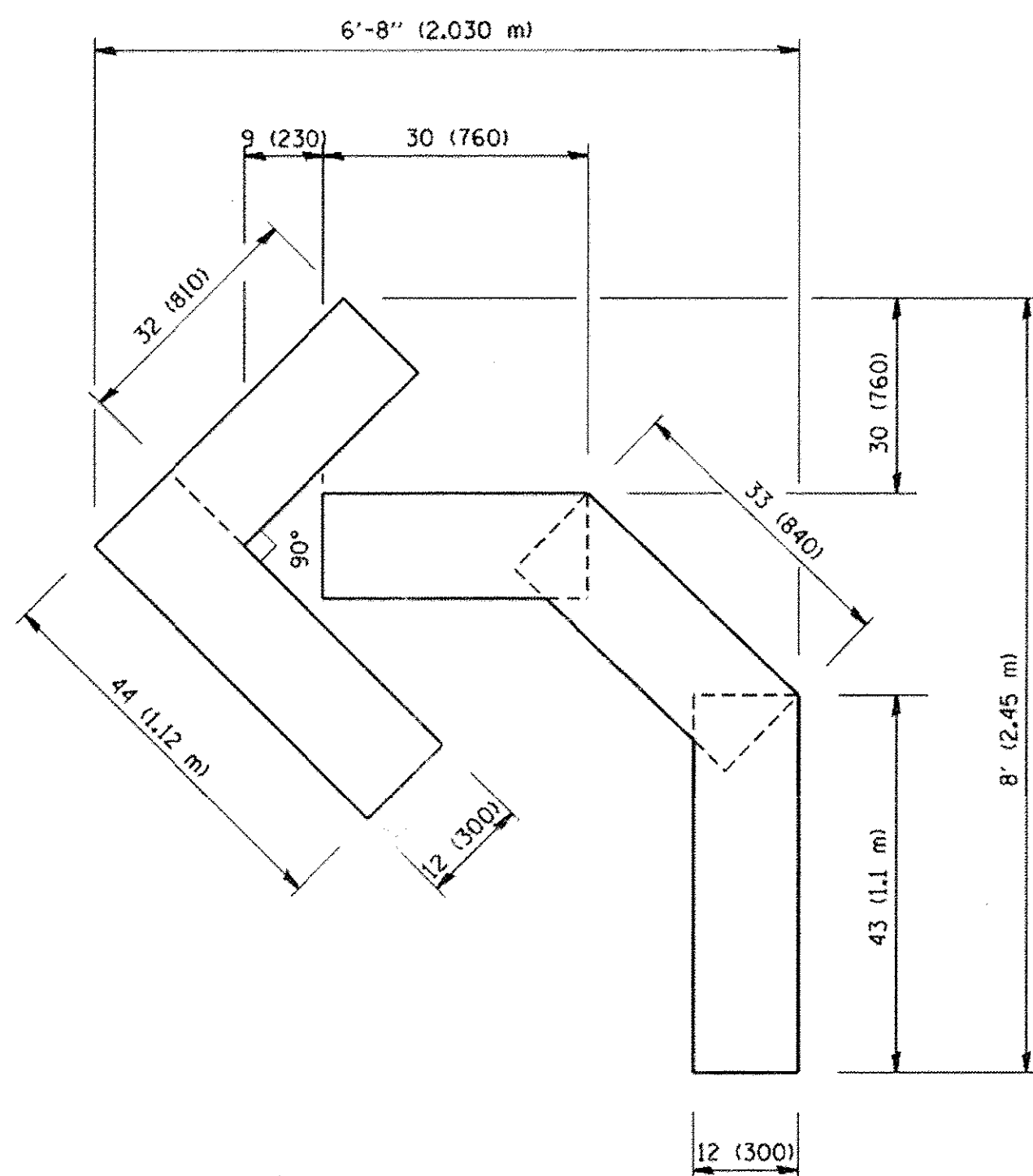
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
369	13-00168-08-SP	DUPAGE	55	36
CONTRACT NO. 61C89				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



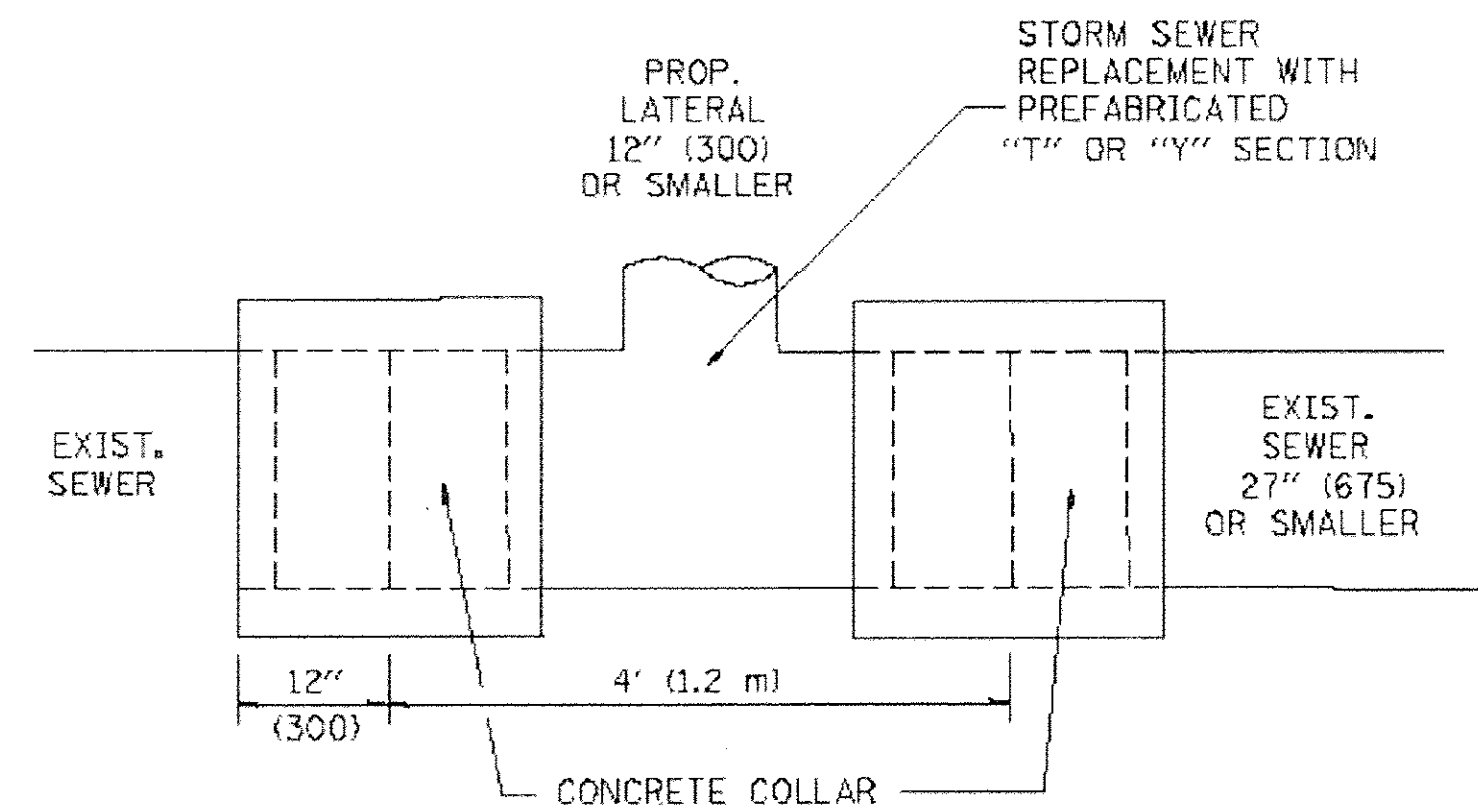
QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

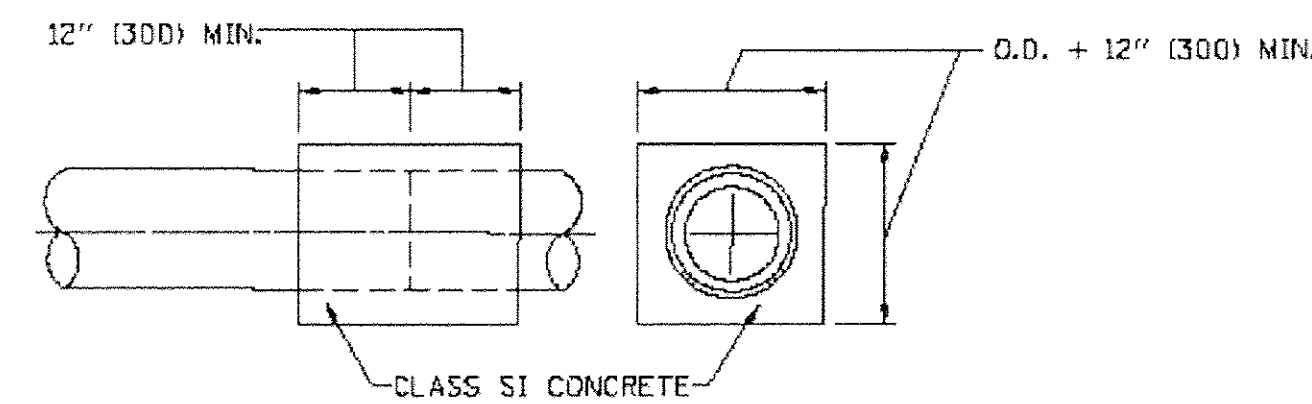
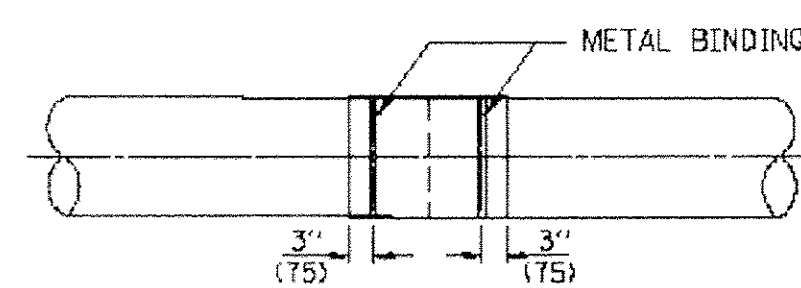
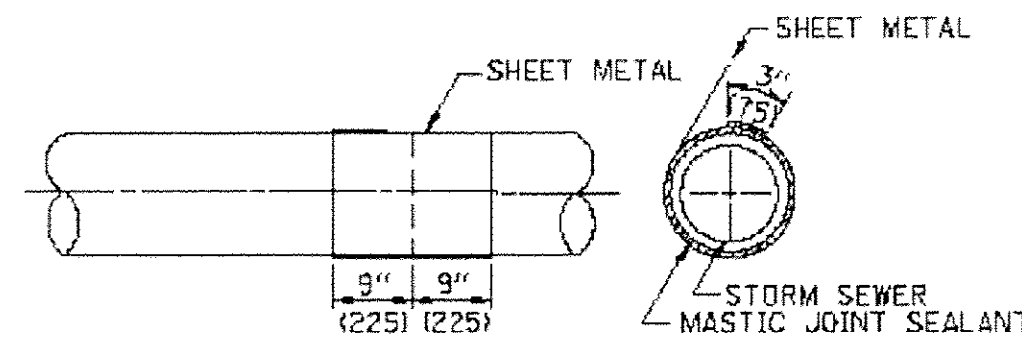
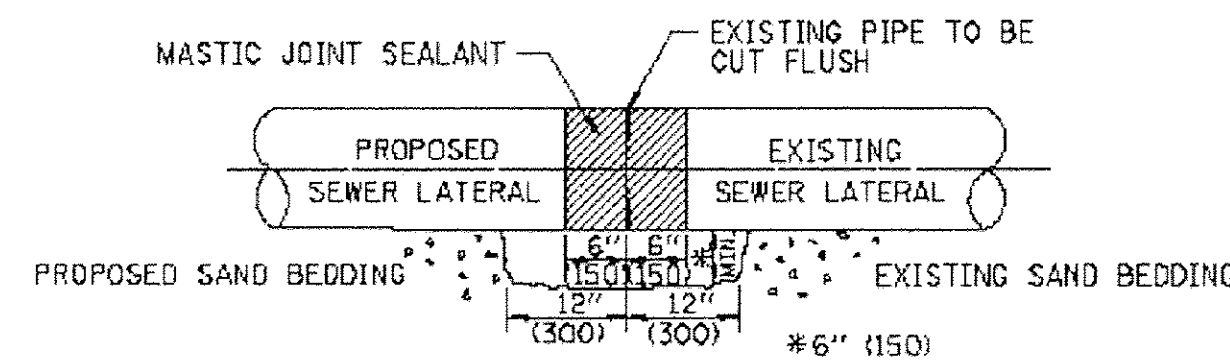
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING DISTRICT 1 DETAIL			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
#FILE#		DRAWN -	REVISED -		SCALE: N/A	SHEET 1	OF 1	SHEETS	STA.	TO STA.	369	13-00168-08-SP	DUPAGE	55	37
\$MODELNAME\$		CHECKED -	REVISED -		CONTRACT NO. 61C89										
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

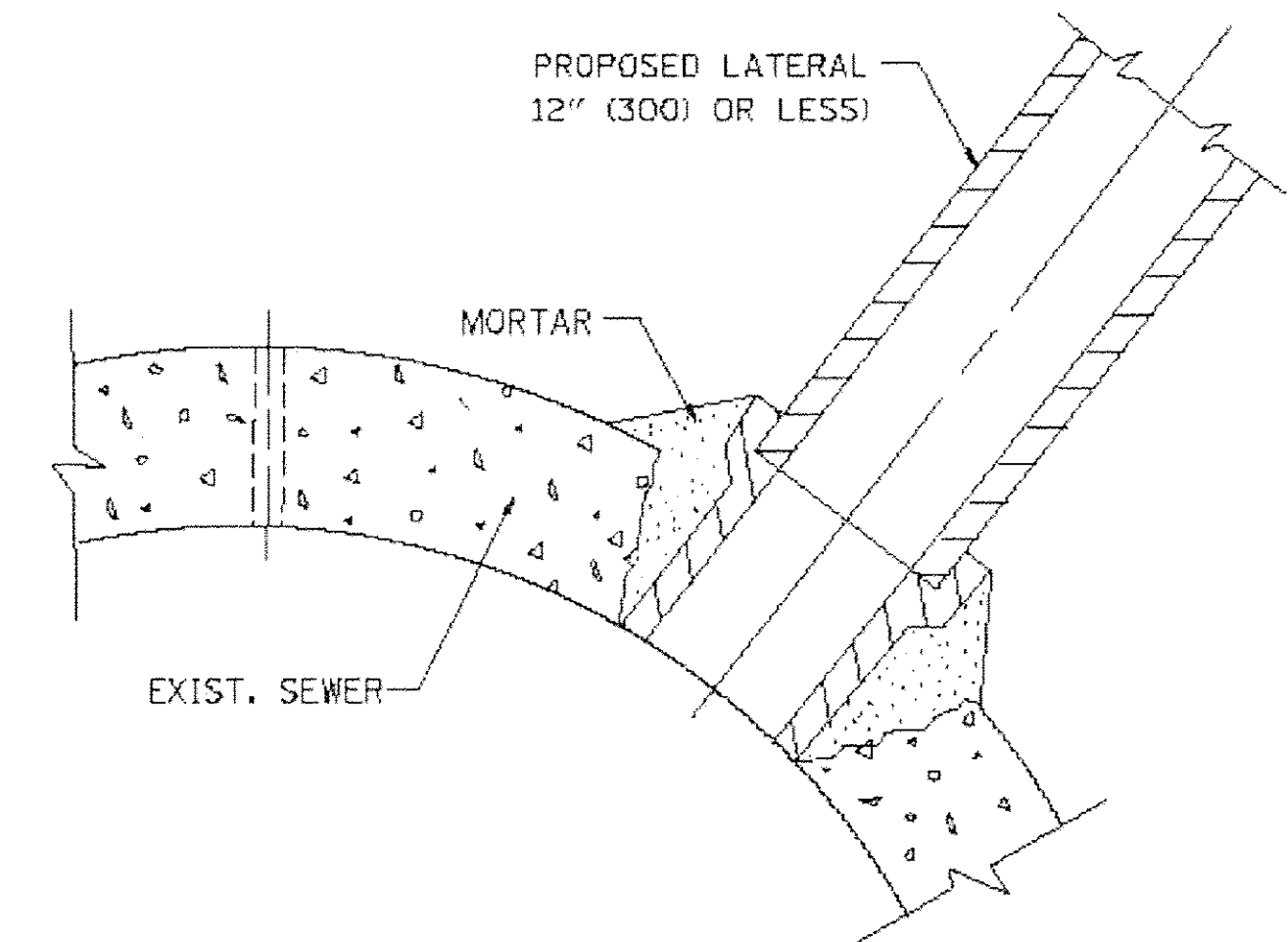


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

- PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
- PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

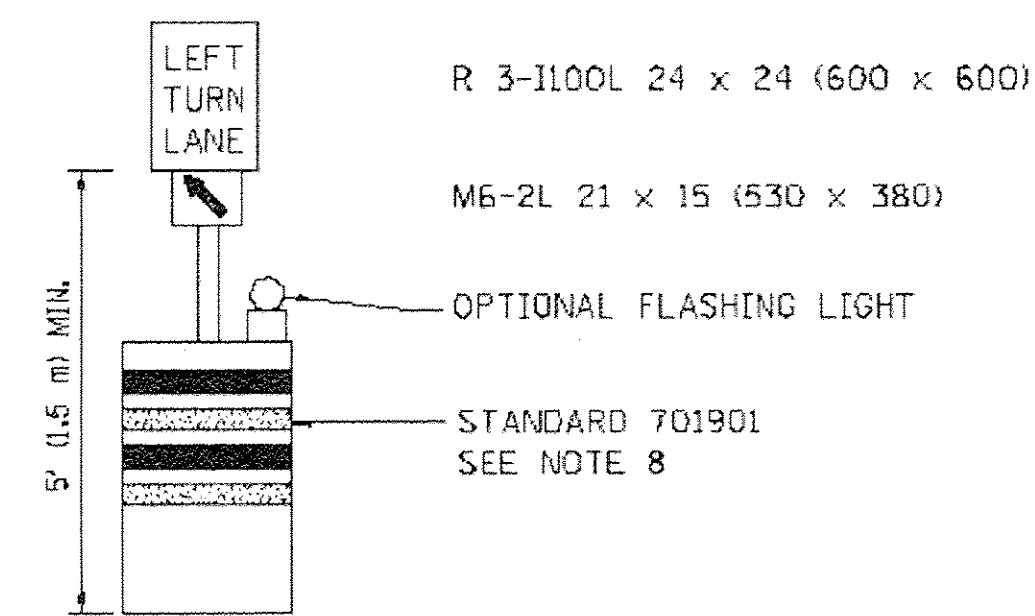
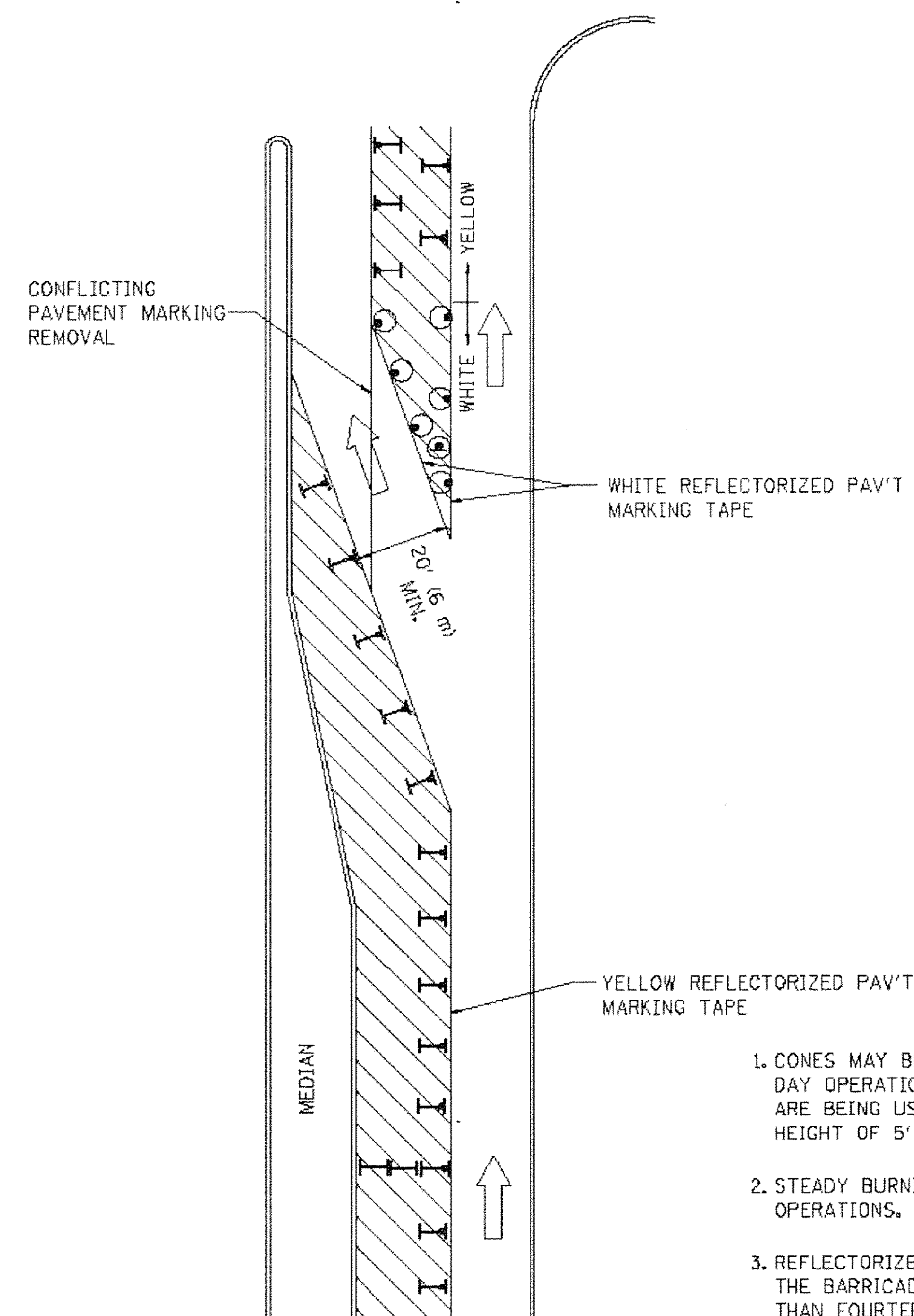
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 STORM SEWER CONNECTION TO EXISTING SEWER DISTRICT 1 DETAIL		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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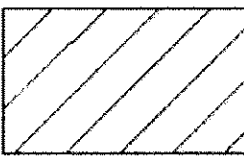
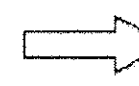






GENERAL NOTES

1. 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. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

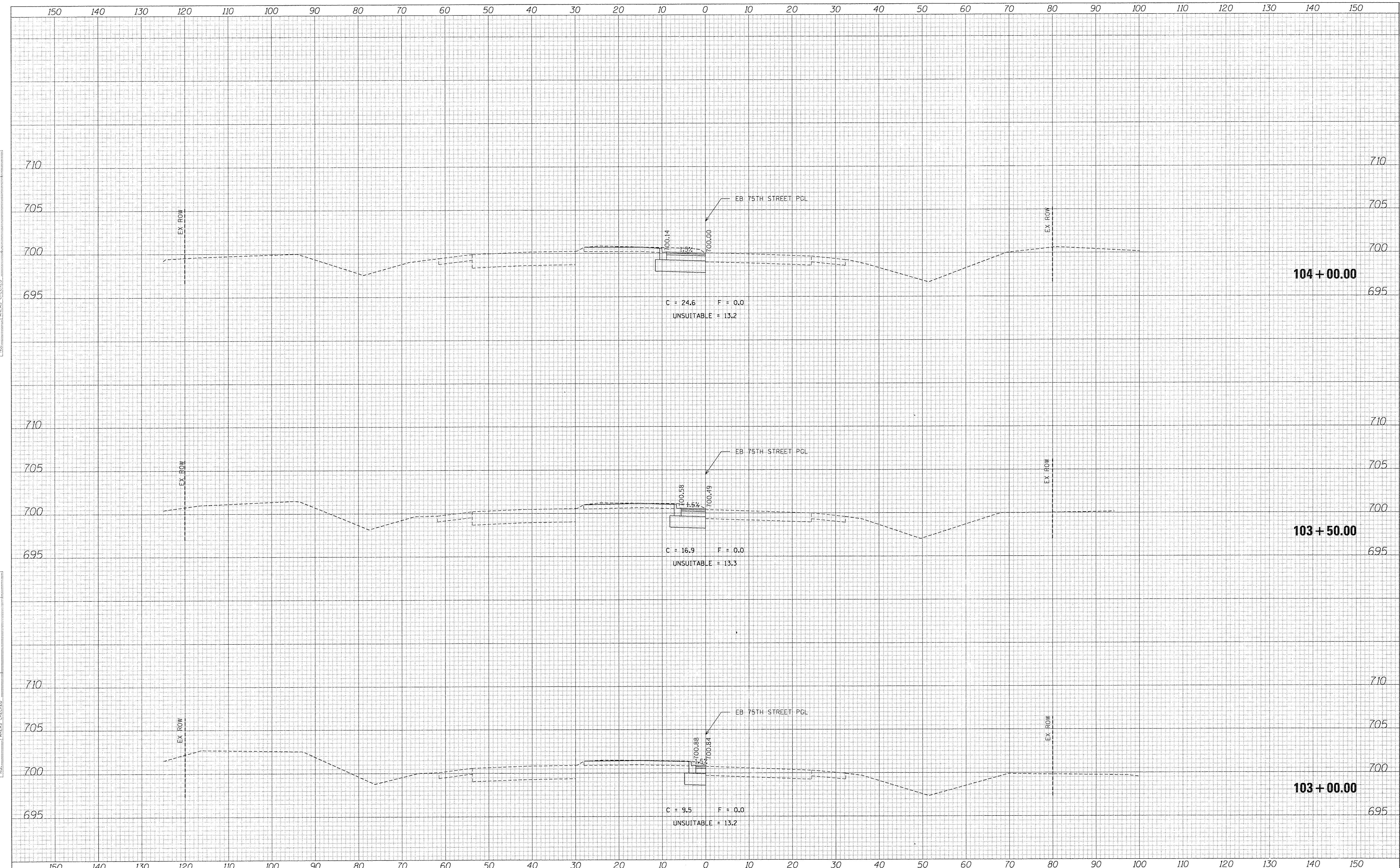
LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS DISTRICT 1 DETAIL	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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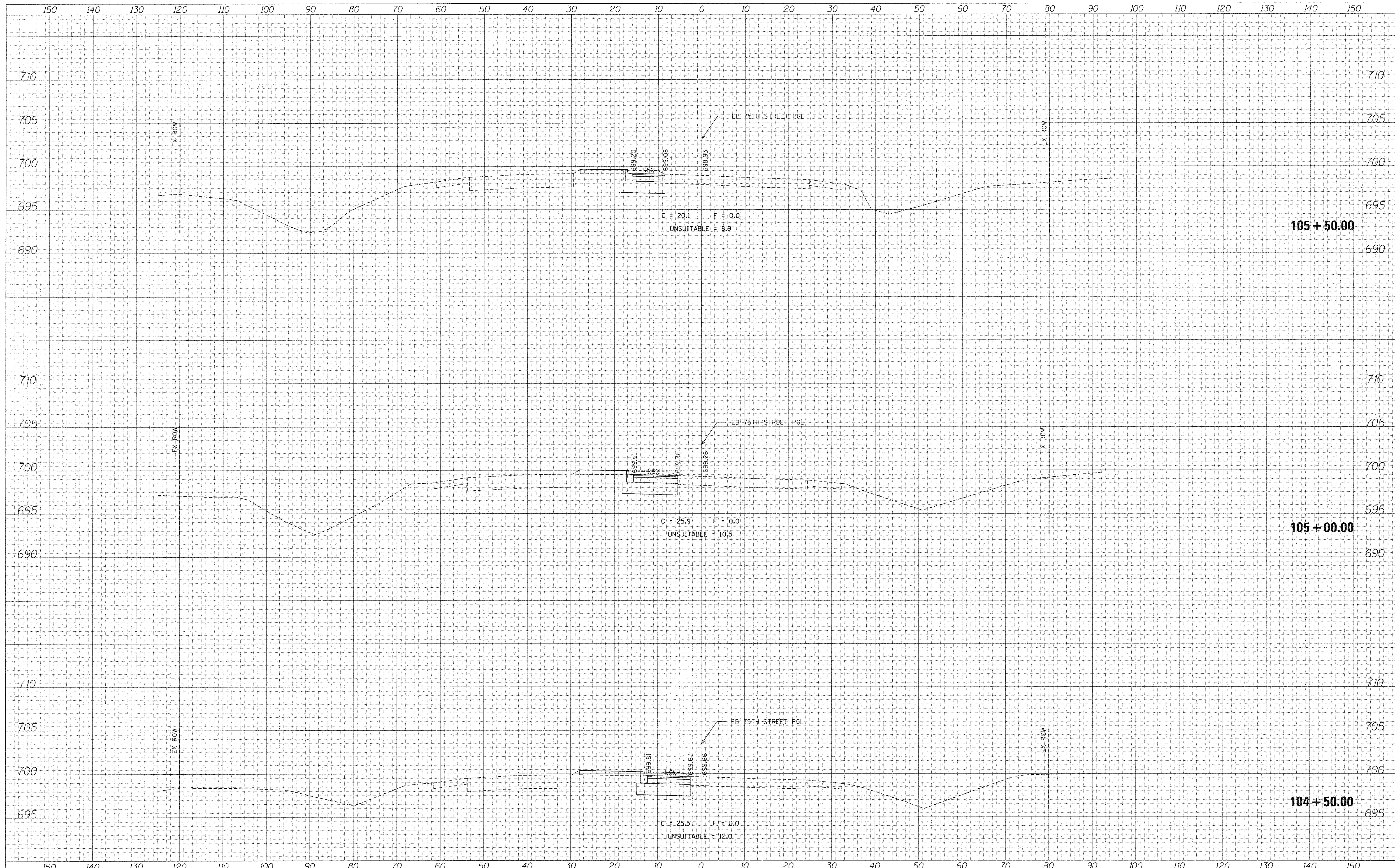
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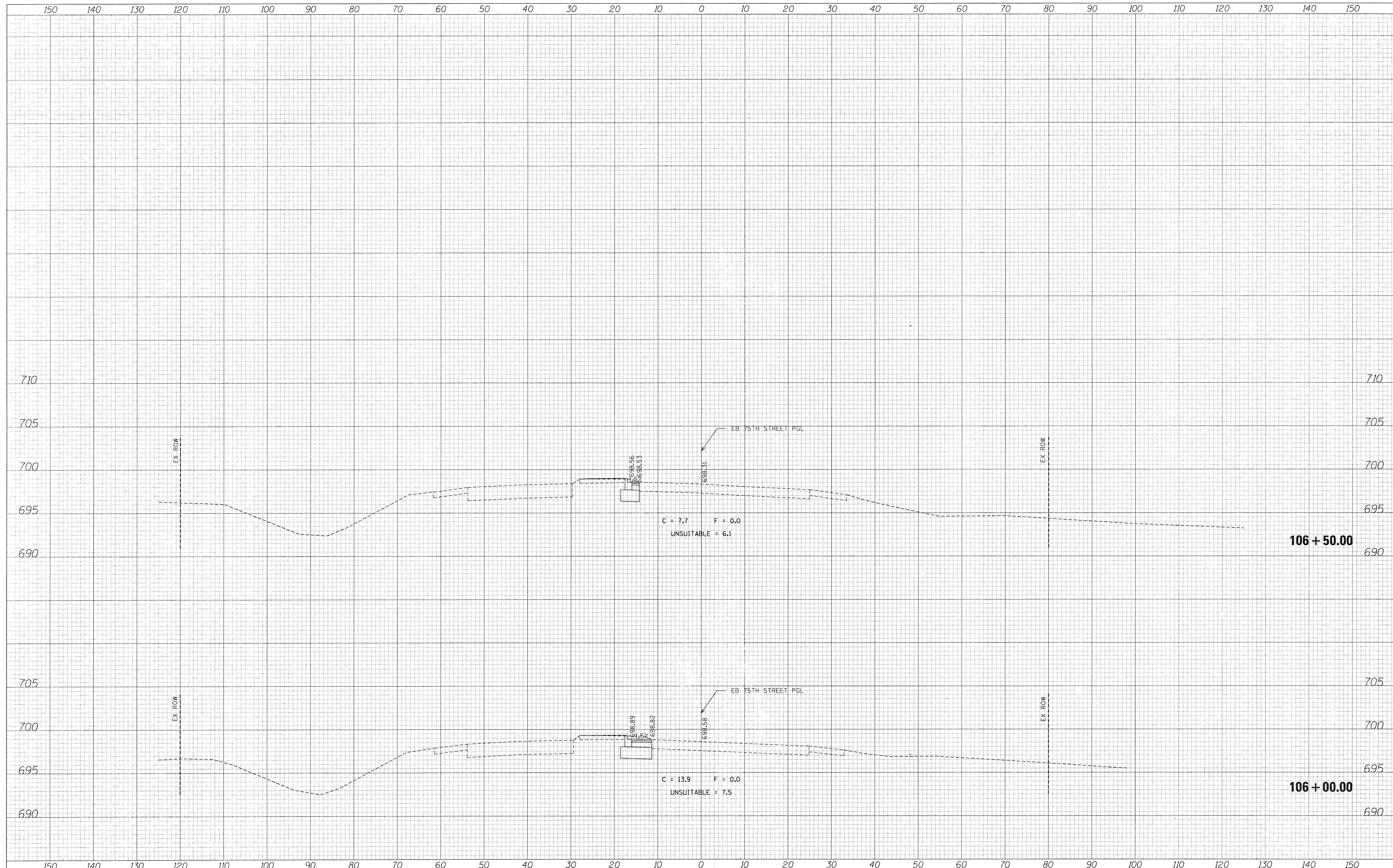
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	PLT DATE = 6/20/2016	DATE - 03/2016	REVISED -		ILLINOIS FED. AID PROJECT							

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

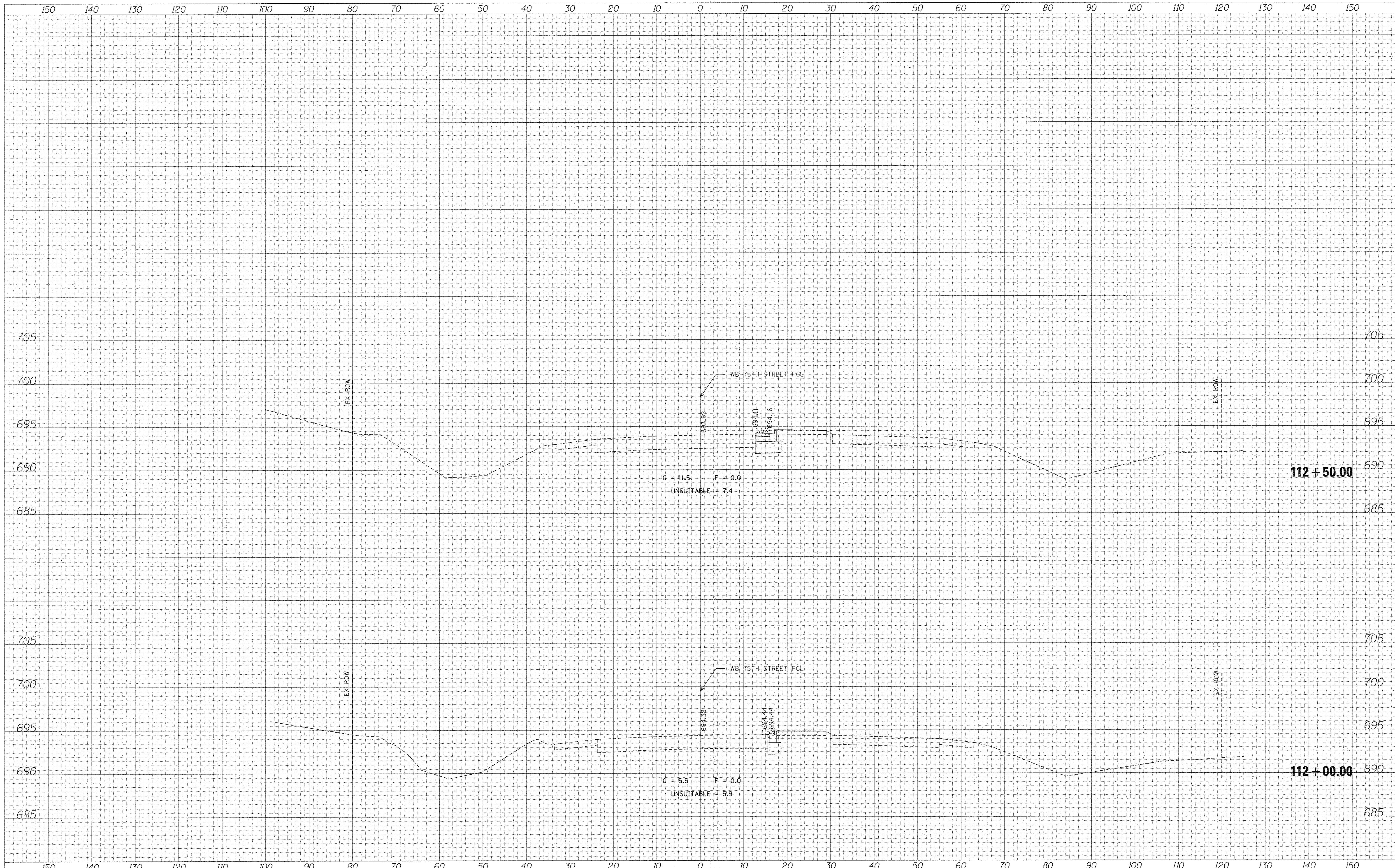
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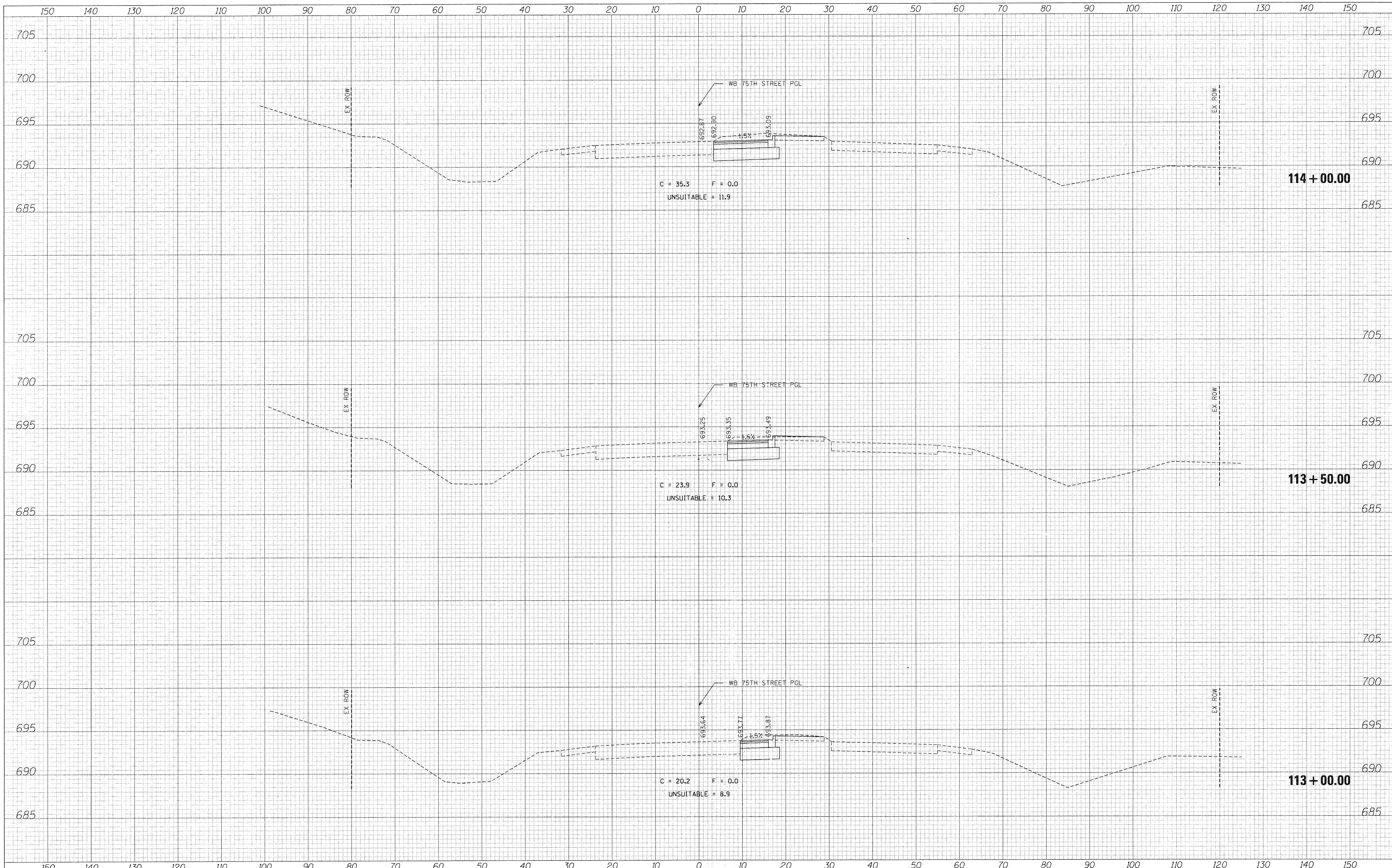
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CONTRACT NO. 61C89				ILLINOIS FED. AID PROJECT

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**STATE OF ILLINOIS
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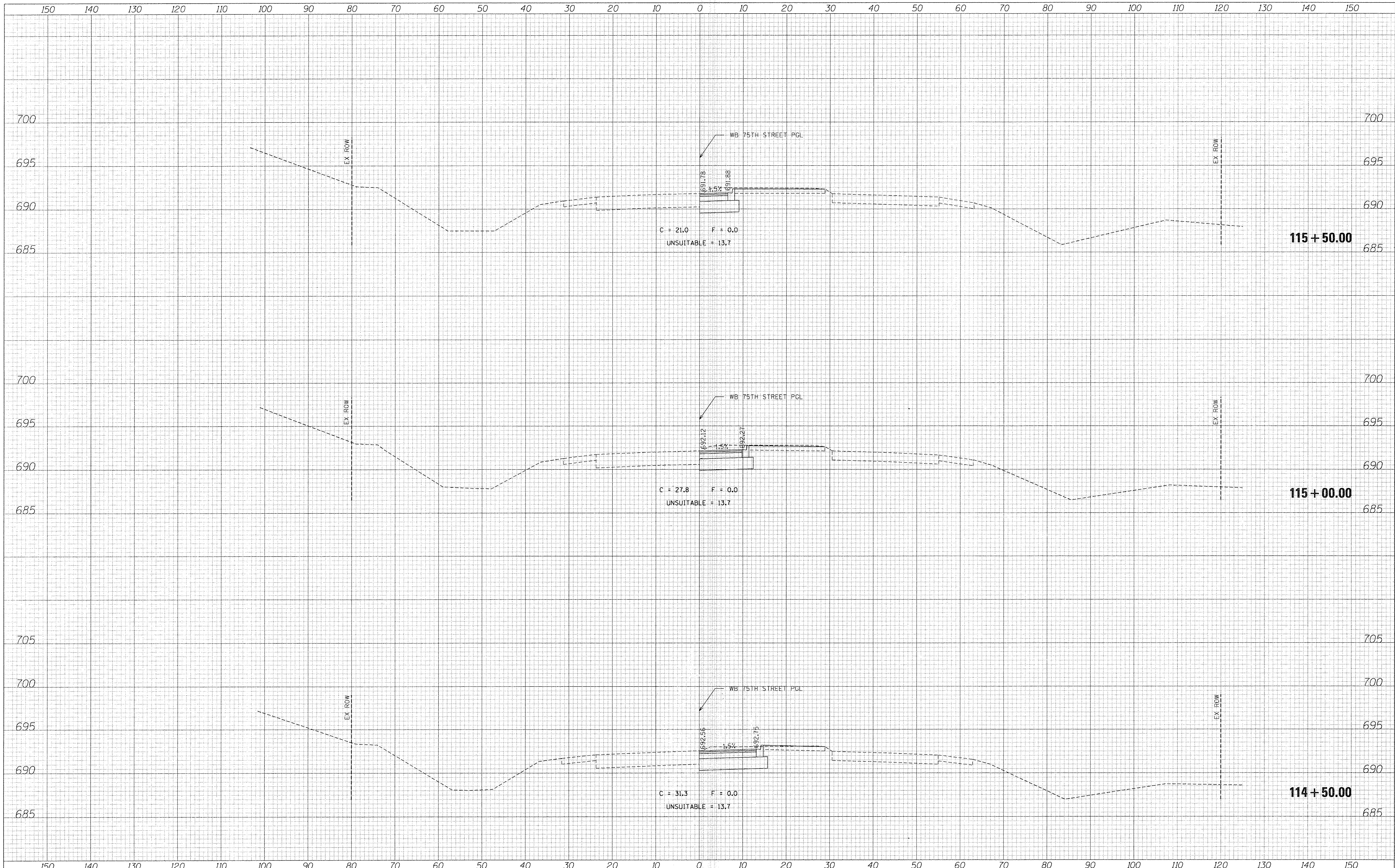
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F.A.P. RTE. 0369	SECTION 13-00168-08-SP	COUNTY DuPAGE	TOTAL SHEETS 55	SHEET NO. 44
CONTRACT NO. 61C89				ILLINOIS FED. AID PROJECT

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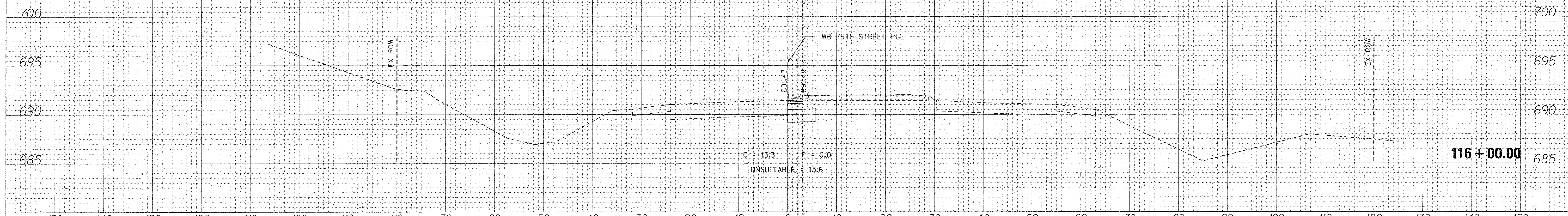


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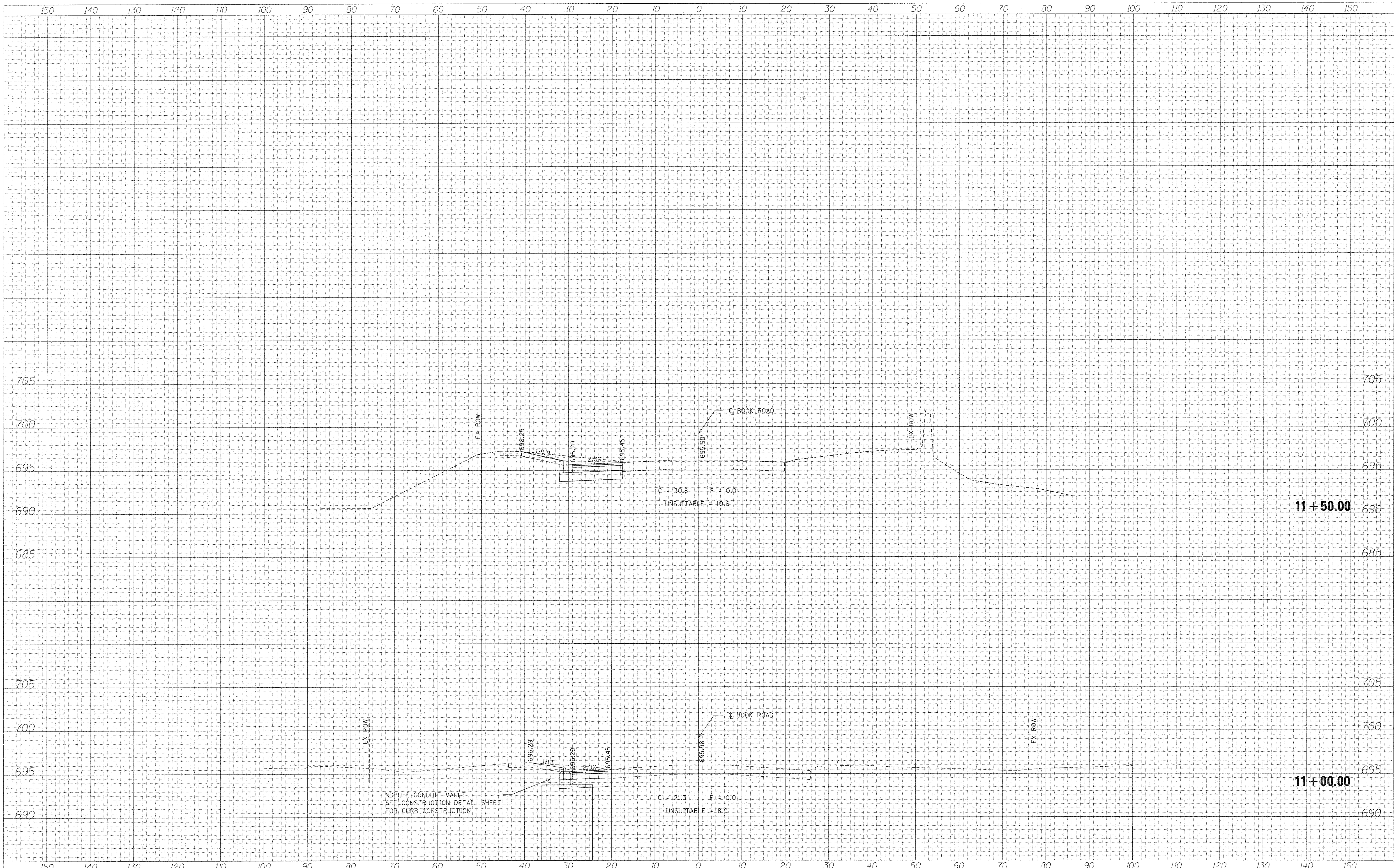
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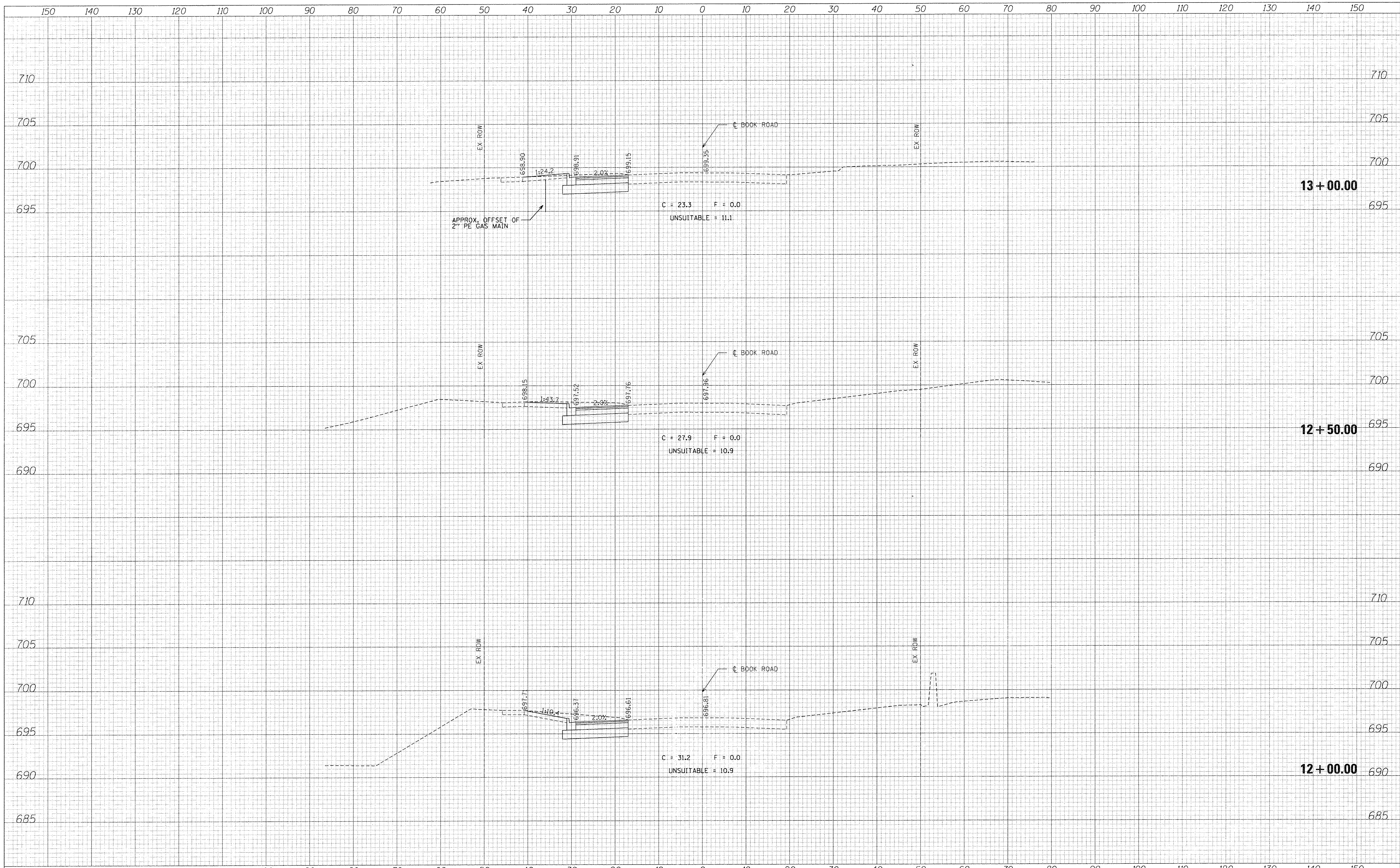
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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F.A.P. RTE. 0369	SECTION 13-00168-08-SP	COUNTY	TOTAL SHEETS 55	SHEET NO. 47
CONTRACT NO. 61C89			ILLINOIS FED. AID PROJECT	

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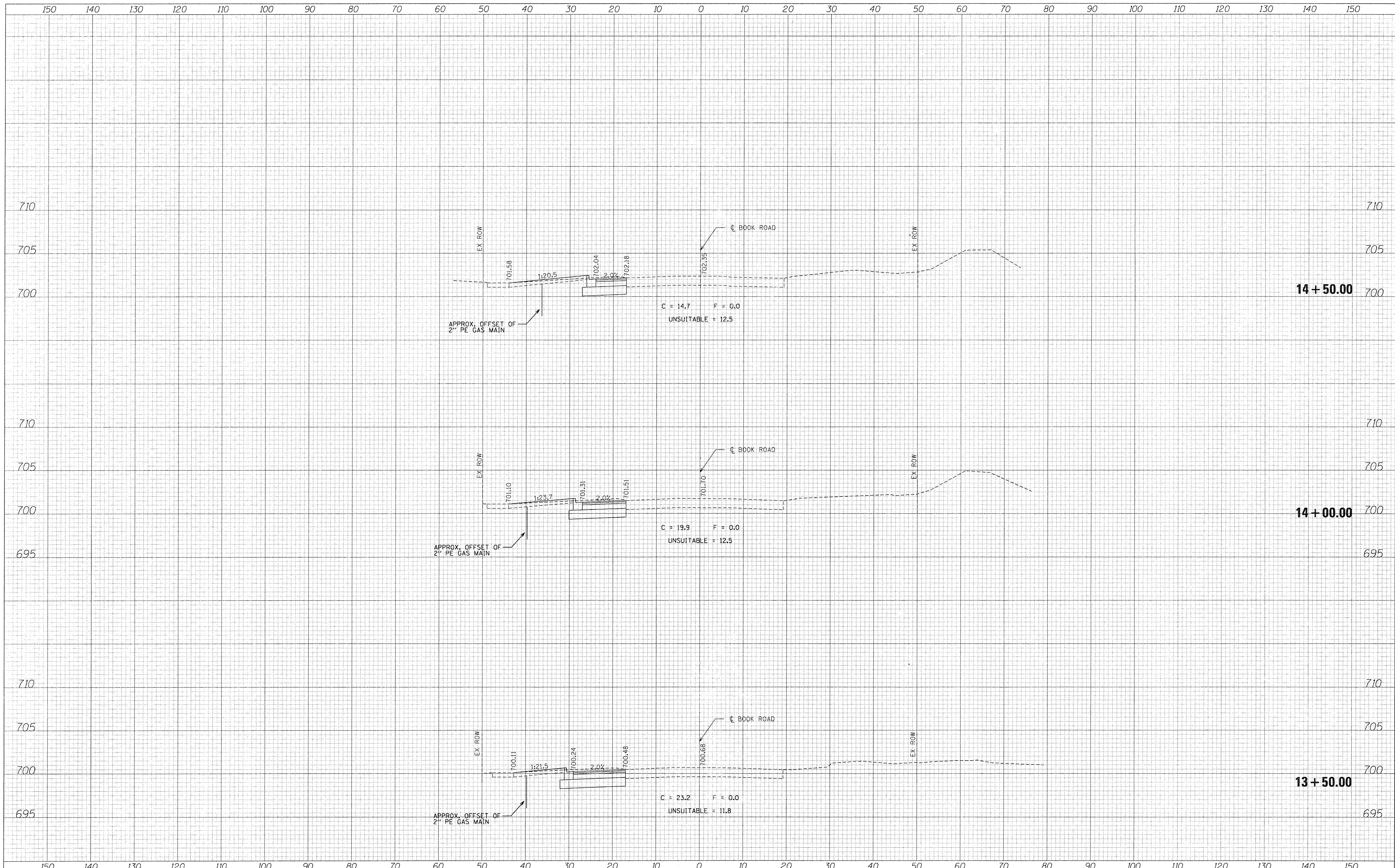
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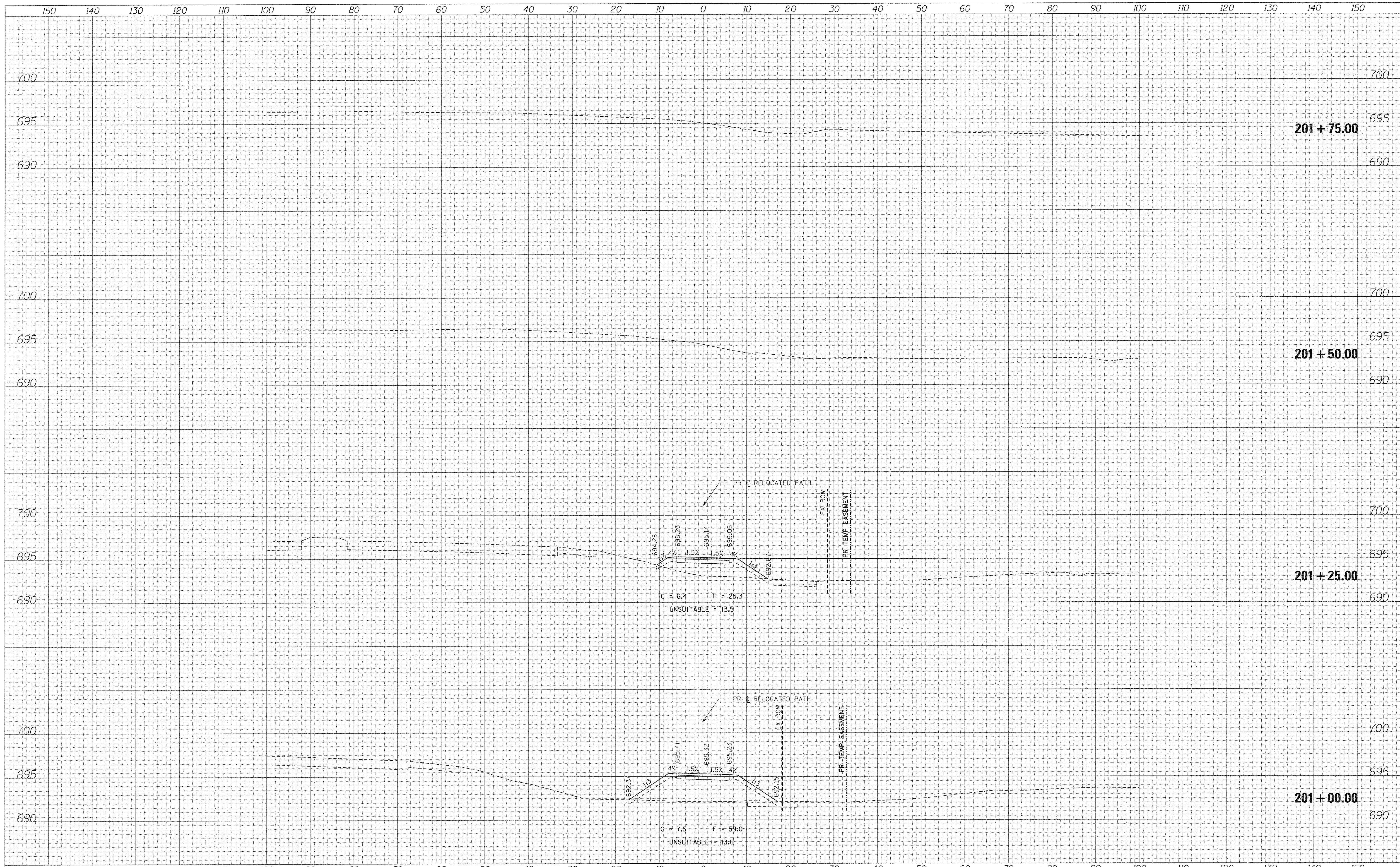
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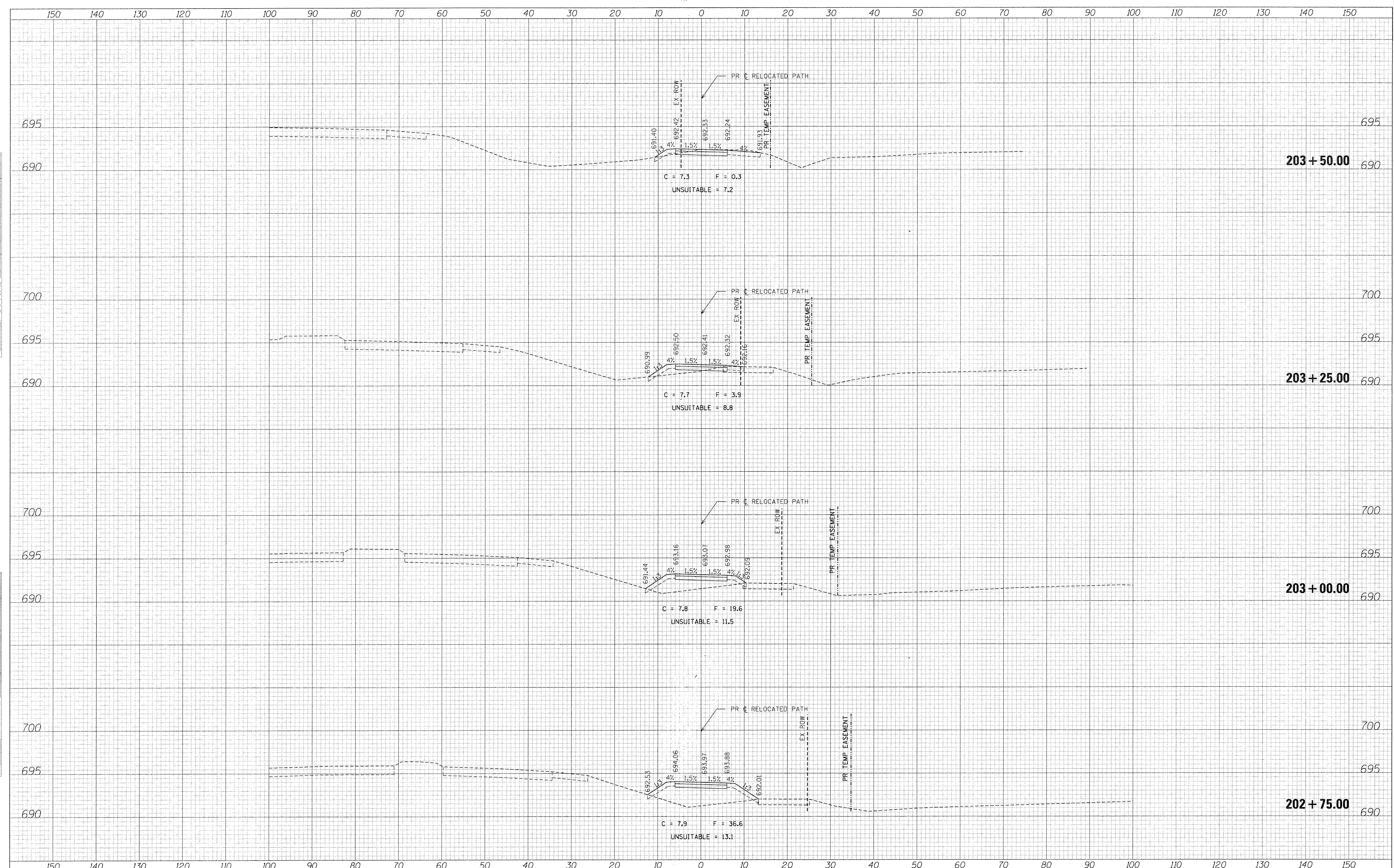
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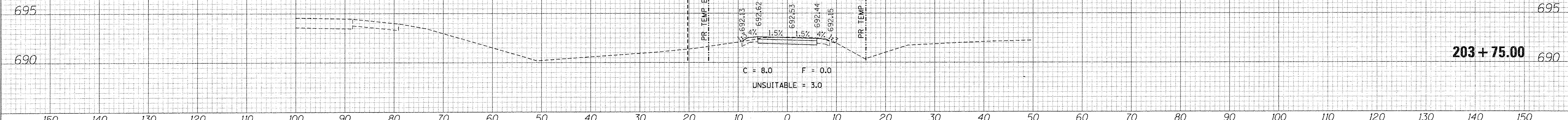


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