

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 98857		

FOR INDEX OF SHEETS, SEE SHEET NUMBER 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NUMBERS 5-9

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 331 (IL 13)
SECTION (1-2)N-2,R;(1X-1)N-3,R-2
PROJECT ACNHF-0331(051)
ADDITIONAL LANES
WILLIAMSON COUNTY

C-99-011-10

STATION EQUATIONS

STA 661+05.52 @ IL 13 WB = STA 0+00 @ TERMINAL DRIVE
STA 681+80.74 @ IL 13 EB = STA 0+00 @ PENTECOST ROAD
STA 708+63.69 @ IL 13 WB = STA 10+00.00 @ REDCO ROAD
STA 708+70.42 @ IL 13 EB = STA 3+31.78 @ BAINBRIDGE TRAIL

TRAFFIC DATA

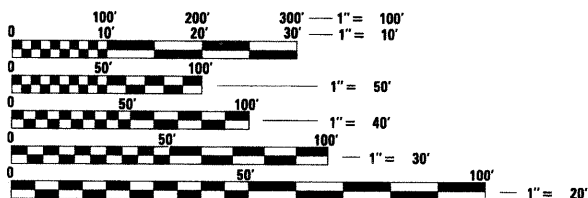
IL 148 TO PENTECOST DRIVE
2007 ADT = 26,200 WITH 12.6% TRUCKS
2017 ADT = 35,200 WITH 12.6% TRUCKS

PENTECOST DRIVE TO BAINBRIDGE TRAIL
2007 ADT = 27,200 WITH 9.6% TRUCKS
2017 ADT = 36,600 WITH 9.6% TRUCKS

BAINBRIDGE TRAIL TO SKYLINE DRIVE
2007 ADT = 28,500 WITH 6.8% TRUCKS
2017 ADT = 38,300 WITH 6.8% TRUCKS

TOWNSHIPS

WEST MARION



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

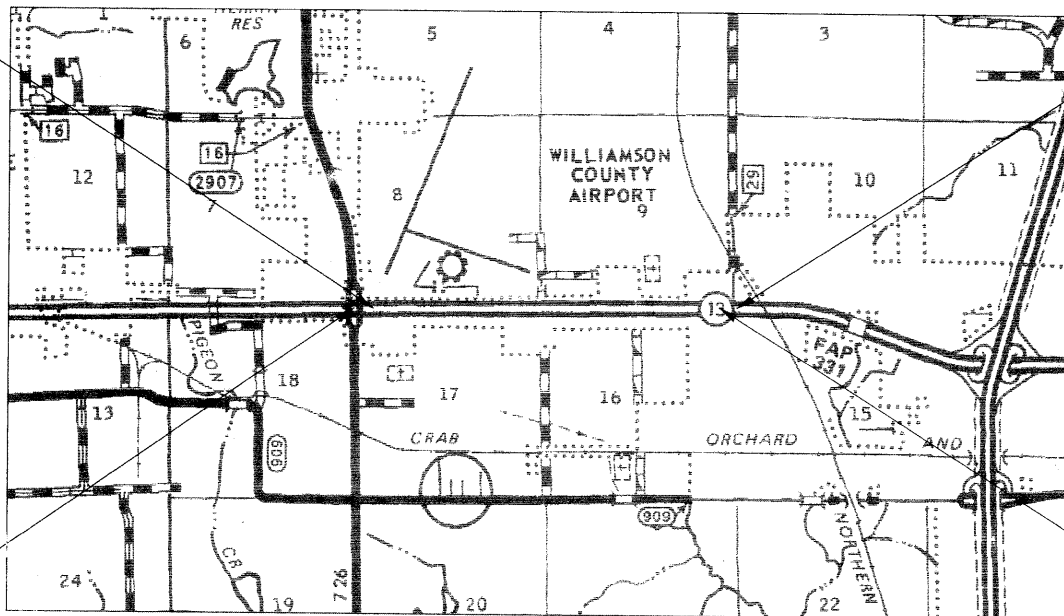
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: CHARLES STEIN
PROJECT MANAGER: PAULA STOVER

CONTRACT NO. 98857

PROJECT BEGINS
STA 631+35 EB
STA 630+50 WB

IL 148 INTERSECTION

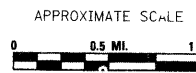


SKYLINE DRIVE
INTERSECTION

PROJECT ENDS
STA 732+37 EB
STA 733+93.54 WB



NET LENGTH OF PROJECT = 10,102 FT = 1.91 MILES (EB)
10,344 FT = 1.96 MILES (WB)



LOCATION OF SECTION INDICATED THUS: - [shaded box] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Oct 13, 2009

Mary C. Lomic
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 4, 2009
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

December 4, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

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886001-01	DETECTOR LOOP INSTALLATIONS
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701701-06

Prepared By: Dennis W. Hillebr
DISTRICT STUDIES & PLANS ENGINEER

Examined By: James Travis Emery
DISTRICT LAND ACQUISITION ENGINEER

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DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Art Wiley
DISTRICT OPERATIONS ENGINEER

Examined By: Jim Smith
DISTRICT CONSTRUCTION ENGINEER

Examined By: Bruce W. DeBlas
DISTRICT MATERIALS ENGINEER

Examined By: Jim Smith
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Danney Clayton
ASSISTANT REGIONAL ENGINEER

Approved By: Mary C. Davis
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Oct 13 2009
DATE

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNATURE SHEET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PM1001\SHEPARDD\dms47330\fdetml3-sht-gennote.dgn	DRAWN -	REVISED -	331			(1-2)N-2,R(1X-1)N-3,R-2	WILLIAMSON	202	3	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 98857							
PLOT DATE = 9/24/2009	DATE -	REVISED -	SCALE: NONE			SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT		

GENERAL NOTES

FORMS FOR CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

PROTECTIVE COAT SHALL BE APPLIED TO PCC PAVEMENT, PAVED DITCH, CONCRETE CURB AND GUTTER AND CONCRETE MEDIAN SURFACE AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS FOR ARTICLE 420.18 OF THE STANDARD SPECIFICATIONS.

ADDITIONAL WIDTH OF GUTTER FLAG, AT LOCATIONS INDICATED ON THE PLANS, SHALL BE POURED MONOLITHICALLY WITH THE NORMAL GUTTER FLAG AND WILL NOT BE MEASURED OR PAID FOR SEPERATELY.

AT ALL LOCATIONS WHERE THE PROPOSED CONCRETE PAVEMENT JOINS AN EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS, THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

THE TRAFFIC OPERATIONS ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF MAST ARM AND CONTROLLER FOUNDATIONS, HANDHOLES, AND GULFBOX JUNCTIONS AND SHALL APPROVE THE LOCATIONS OF EACH AND MAY ADJUST TO FIT FIELD CONDITIONS IF NECESSARY.

THE INDUCTION LOOP WIRE AND LEAD-IN WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

SHIELDED CABLE TO LOOP LEADS SHALL BE GROUNDED AT THE CONTOLLER TERMINAL ONLY.

SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLES SHALL BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.

ALL NON-ESSENTIAL ELECTRIC CABLE SHALL BE REMOVED FROM EXISTING CONDUIT THAT IS TO BE USED FOR INSTALLATION OF PROPOSED ELECTRIC CABLE. THIS WORK WILL BE CONSIDERED INCLUDED IN THE PROPOSED ELECTRIC CABLE PAY ITEM.

THE FURNISHING AND INSTALLATION OF THE 1 1/4" CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT OR HANDHOLE WILL BE INCIDENTAL TO THE LOOP INSTALLATION AND SEPARATE PAYMENT WILL NOT BE MADE FOR THIS WORK.

CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.

THE FINAL LOCATION OF THE DETECTOR LOOPS, AND TRAFFIC SIGNAL FOUNDATIONS, SHALL BE APPROVED BY THE BUREAU OF OPERATIONS BEFORE INSTALLATION.

ALL PROPOSED MAST ARMS SHALL BE LOCATED NO CLOSER THAN 6 FT FROM FACE OF CURB TO THE CENTER OF POLE; ALL PROPOSED TRAFFIC SIGNAL POSTS WILL BE LOCATED NO CLOSER THAN 4 1/2' FROM FACE OF CURB TO CENTER OF POST, UNLESS OTHERWISE SHOWN ON PLANS.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

THE MINIMUM VERTICAL CLEARANCE FOR PERMANENT SIGNS PLACED ON BACKSLOPES SHALL BE 3 FT. MEASURED FROM A POINT DIRECTLY BENEATH THE FAR EDGE OF THE SIGN.

POROUS GRANULAR BACKFILL REQUIRED FOR STORM SEWER SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.

EARTH MEDIAN DITCH CHECKS SHALL BE INCLUDED IN THE COST OF BORROW EXCAVATION.

ALL PIPE CULVERT OR STORM SEWER EXTENSIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH METHOD II AS SPECIFIED IN ARTICLE 542.05 OF THE STANDARD SPECIFICATIONS. PRIOR TO EXTENDING ANY PIPE CULVERT OR STORM SEWER, THE ENTIRE LENGTH OF THE EXISTING PIPE CULVERT OR STORM SEWER SHALL BE CLEANED OF ALL EARTH AND DEBRIS BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE PAID FOR ACCORDING TO 109.04.

STONE RIPRAP USED IN DITCHES SHOULD BE PLACED IMMEDIATELY UPON COMPLETION OF EARTHWORK AND GRADING IN ORDER TO PREVENT EROSION.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY DEBRIS OR DIRT CAUSED BY CONSTRUCTION ACTIVITY THAT COVERS THE NEW RIPRAP AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONNECTING OF NEW OR EXISTING STORM SEWERS TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.

IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.

TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER, GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.

EXISTING DRIVEWAYS WILL BE SAWCUT TO OBTAIN A NEAT EDGE FOR REMOVAL AND REPLACEMENT. THE COST OF THE SAWCUT IS INCLUDED IN THE COST OF DRIVEWAY PAVEMENT REMOVAL.

EXISTING UNDERGROUND AND ABOVE-GRADE FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST (OR THE EXISTENCE OF WHICH WAS NOT KNOWN) AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES (EXCEPT THOSE SPECIFICALLY NOTED FOR REMOVAL OR DEMOLITION) DURING CONSTRUCTION.

GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDDED, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

THE REMOVAL OF EXISTING ENTRANCE PIPE CULVERTS ENCASED IN CONCRETE WILL BE CONSIDERED INCLUDED IN THE COST OF OTHER ITEMS OF CONSTRUCTION IF ONLY THE ENDS OF THE CULVERT (2 FT. OR LESS) ARE ENCASED. IF MORE THAN (2 FT.) AT THE ENDS OF THE CULVERT ARE ENCASED IN CONCRETE, THE REMOVAL WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

THE CONTRACTOR SHALL STAMP STATIONING IN THE PORTLAND CEMENT CONCRETE PAVEMENT AT 300 FT. INTERVALS ALTERNATING SIDES ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVED ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE DEPARTMENT, AN AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ALL DETECTOR LOOP CORNERS SHALL BE CORED DRILLED 5.08 CM (2 IN.) MINIMUM DIAMETER EXCEPT THOSE PLACE UNDER RESURFACING. THE DETECTOR LOOP CORNERS PLACED UNDER RESURFACING SHALL BE DIAGONALLY SAWCUT.

IN AREAS WHERE MULTIPLE RUNS OF PARALLEL CONDUIT ARE IN THE SAME LOCATION, TRENCH AND BACKFILL WILL ONLY BE PAID FOR ONCE.

THE COST OF AGGREGATE FILL SPECIFIED IN ARTICLE 606.08 OF THE STANDARD SPECIFICATIONS UNDER THE CONCRETE MEDIAN SURFACE SHALL BE INCLUDED IN THE COST OF THE CONCRETE MEDIAN SURFACE.

WHEN A PAVEMENT DROP-OFF IS TO REMAIN ADJACENT TO A LIVE TRAFFIC LANE, BARRICADES WITH PIPE EXTENSIONS SHALL BE USED TO ACHIEVE THE CORRECT ELEVATION.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT	2.016 TONS/CU. YD.
ALL AGGREGATE	2.05 TONS/CU. YD.
BITUMINOUS MATERIALS: ON PAVEMENT	0.09 GAL./SQ. YD.
INTERMEDIATE. LIFTS (FOG COAT)	0.04 GAL./SQ. YD.
ON AGGREGATE SURFACE	0.32 GAL./SQ. YD.
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ. YD.
RIPRAP	1.50 TONS/CU. YD.

COMMITMENTS

THE CONTRACTOR WILL PRESERVE ACCESS TO THE BANK OF MARION PROPERTY AT ALL TIMES.

THE CONTRACTOR WILL GIVE MANAGEMENT AT THE BANK OF MARION AT LEAST 7 DAYS NOTICE PRIOR TO BEGINNING WORK IN THE EASEMENT AREA. CONSTRUCTION PERSONNEL SHOULD NOTIFY MR. DUTCH DOELITZSCH, AT 618-997-4341.

THE DEPARTMENT HAS DETERMINED BY SURVEY THAT THE EXISTING PARKING LOT AND SIGN ARE NOT INCLUDED IN THE ACQUISITION OF PARCEL NO. 9022803 AND WILL NOT BE DISTURBED DURING CONSTRUCTION. ANY DAMAGE TO THE EXISTING PARKING LOT OR IMPROVEMENTS WILL BE REPAIRED BY THE CONTRACTOR IN KIND AT NO ADDITIONAL COST TO THE OWNER.

THE CONTRACTOR WILL NOT BE ALLOWED TO PARK AND/OR STORE EQUIPMENT IN THE BANK PARKING SPACES WITHIN THE TEMPORARY EASEMENT FOR EXTENDED PERIODS. IT IS UNDERSTOOD THAT THE PURPOSE OF THE TEMPORARY EASEMENT IS FOR WORK ROOM AND GRADING/BLENDING PURPOSES. EVERY REASONABLE EFFORT WILL BE MADE TO LIMIT DISRUPTION TO THE BANK OF MARION CUSTOMERS WHILE STILL COMPLETING THE PURPOSED IMPROVEMENTS IN A TIMELY MANNER.

THE CONTRACTOR WILL PRESERVE RIGHT IN AND RIGHT OUT MOVEMENTS TO THE ARTHUR GENE WEBB PROPERTY ON SOUTH TERMINAL DRIVE AT ALL TIMES.

FILE NAME =	USER NAME = shepardgd	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND COMMITMENTS	F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
at\p\work\PKWIDOT\SHEPARDGD\dms47330\F	dstum13\sh-t\gennote.dgn	DRAWN - ---	REVISED - ---			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	4	
	PLOT SCALE = 50.0000' / IN.	CHECKED - ---	REVISED - ---			CONTRACT NO. 98857					
	PLOT DATE = 12/14/2009	DATE - ---	REVISED - ---			ILLINOIS FED. AID PROJECT					
						SCALE: _____		SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____	

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION CONSTRUCTION TYPE CODE	UNIT	90/10 FED/ST WILLIAMSON COUNTY	
			URBAN	ROADWAY
			TOTAL QUANTITY	I 000
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	495	495
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	635	635
20200100	EARTH EXCAVATION	CU YD	39254	39254
20400100	BORROW EXCAVATION	CU YD	8844	8844
20900110	POROUS GRANULAR BACKFILL	CU YD	1339	1339
25001010	SEEDING, CLASS 2 (MODIFIED)	ACRE	18.5	18.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	3327	3327
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2146	2146
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2146	2146
25000700	AGRICULTURAL GROUND LIMESTONE	TON	37	37
25100120	MULCH, METHOD 2	TON	37	37
25100630	EROSION CONTROL BLANKET	SQ YD	8454	8454
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	3697	3697
28000305	TEMPORARY DITCH CHECKS	FOOT	2256	2256
28000400	PERIMETER EROSION BARRIER	FOOT	3155	3155
28000500	INLET AND PIPE PROTECTION	EACH	58	58
28000600	SEEDING, CLASS 7	ACRE	18.5	18.5
28100107	STONE RIPRAP, CLASS A4	SQ YD	955	955
28200200	FILTER FABRIC	SQ YD	22	22
31100700	SUB-BASE GRANULAR MATERIAL, TYPE A 8"	SQ YD	68523	68523
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	4823	4823
31200100	STABILIZED SUB-BASE 4"	SQ YD	68523	68523
40600990	TEMPORARY RAMP	SQ YD	82	82
42000411	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)	SQ YD	44184	44184
42001300	PROTECTIVE COAT	SQ YD	71155	71155
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	74	74
44000100	PAVEMENT REMOVAL	SQ YD	10913	10913
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	128	128
44002020	CONCRETE MEDIAN SURFACE REMOVAL	SOFT	12	12
44002805	ISLAND REMOVAL	SOFT	1438	1438
44004000	PAVED DITCH REMOVAL	FOOT	48	48
44004250	PAVED SHOULDER REMOVAL	SQ YD	23070	23070
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1126	1126
48300410	PORTLAND CEMENT CONCRETE SHOULDERS 9 1/2"	SQ YD	22505	22505
50104400	CONCRETE HEADWALL REMOVAL	EACH	4	4
50105220	PIPE CULVERT REMOVAL	FOOT	191	191

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION CONSTRUCTION TYPE CODE	UNIT	90/10 FED/ST	
			WILLIAMSON COUNTY	
			URBAN TOTAL QUANTITY	ROADWAY I 000
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	31880	31880
54002020	EXPANSION BOLTS 3/4 INCH	EACH	160	160
54003000	CONCRETE BOX CULVERTS	CU YD	179.7	179.7
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	7	7
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	10	10
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	32	32
542A1060	PIPE CULVERTS, CLASS A, TYPE 2 15"	FOOT	18	18
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	28	28
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2
54244405	FLUSH INLET BOX FOR MEDIAN, ^{STANDARD} 542546	EACH	2	2
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	411	411
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1513	1513
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	1806	1806
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	528	528
60107600	PIPE UNDERDRAINS 4"	FOOT	20552	20552
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	532	532
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	38	38
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2
60243500	INLETS, SPECIAL, TYPE 3, 6'	EACH	49	49
60500060	REMOVING INLETS	EACH	4	4
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6. 12	FOOT	757	757
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6. 06	FOOT	3795	3795
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6. 24	FOOT	5855	5855
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	16635	16635
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	53	53
66700095	PERMANENT SURVEY MARKERS	EACH	5	5
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	20	20
67100100	MOBILIZATION	L SUM	1	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	62	62

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION CONSTRUCTION TYPE CODE	UNIT	90/10 FED/ST WILLIAMSON COUNTY	
			URBAN TOTAL QUANTITY	ROADWAY I 000
			70300100	SHORT-TERM PAVEMENT MARKING
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	620.5	620.5
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	55429.45	55429.45
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2773.97	2773.97
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	554	554
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	73	73
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1463	1463
70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	1028	1028
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	22979	22979
70400100	TEMPORARY CONCRETE BARRIER	FOOT	5400	5400
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	4300	4300
72000100	SIGN PANEL - TYPE 1	SQ FT	18	18
72000200	SIGN PANEL - TYPE 2	SQ FT	30	30
72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	15	15
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	146	146
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18772	18772
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12	FOOT	31	31
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24	FOOT	98	98
78008300	POLYUREA PAVEMENT MARKING ^{TYPE II} - LETTERS AND SYMBOLS	SQ FT	401	401
78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	35432	35432
78008350	POLYUREA PAVEMENT MARKING TYPE II - LINE 12"	FOOT	1813	1813
78008370	POLYUREA PAVEMENT MARKING TYPE II - LINE 24"	FOOT	323	323
78300100	PAVEMENT MARKING REMOVAL	SQ FT	8719	8719
80300100	LOCATING UNDERGROUND CABLE	FOOT	55	55
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1
80500105	SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	3	3
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	1118	1118
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	126	126
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	39	39
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	179	179
81012900	CONDUIT IN TRENCH, 3 1/2" DIA., PVC	FOOT	14	14
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	173	173
81020600	CONDUIT PUSHED, 2 1/2" DIA., INTERMEDIATE METAL	FOOT	213	213
81020900	CONDUIT PUSHED, 4" DIA., INTERMEDIATE METAL	FOOT	142	142

* SPECIALTY ITEM

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pw\work\PNIDOT\SHEPARDD\dms47330\F	dstm13-sht-schedule.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	7	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION CONSTRUCTION TYPE CODE	UNIT	90/10 FED/ST WILLIAMSON COUNTY	
			URBAN	ROADWAY
			TOTAL QUANTITY	I 000
81021550	CONDUIT, AUGERED 2" DIA., PVC	FOOT	177	177
81021560	CONDUIT, AUGERED 2 1/2" DIA., PVC	FOOT	234	234
81021570	CONDUIT, AUGERED 3" DIA., PVC	FOOT	406	406
81021580	CONDUIT, AUGERED 3 1/2" DIA., PVC	FOOT	93	93
81021590	CONDUIT, AUGERED 4" DIA., PVC	FOOT	71	71
81400100	HANDHOLE	EACH	16	16
81500100	GULFBOX JUNCTION	EACH	4	4
81603000	UNIT DUCT, 600V, 2-1C NO. 8, ^{(NA 8 GROUND,} 1/C (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	6839	6839
81700315	ELECTRIC CABLE IN CONDUIT, 600V (EPR- TYPE RHW) 3-1/C NO. 10	FOOT	1191	1191
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	7769	7769
82104000	LUMINAIRE, SODIUM VAPOR, MULTIMOUNT, 400 WATT	EACH	24	24
82500520	LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 480VOLT	EACH	1	1
82500605	LIGHTING CONTROLLER PHOTOCELL RELAY	EACH	3	3
83060840	LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., TENON MOUNT	EACH	22	22
* 83600357	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8"	EACH	22	22
83800650	BREAKWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	88	88
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	5	5
84200700	LIGHTING FOUNDATION REMOVAL	EACH	5	5
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	3	3
86000100	MASTER CONTROLLER	EACH	1	1
86200300	UNINTERRUPTIBLE POWER SUPPLY, EXTENDED	EACH	3	3
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2230	2230
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1368	1368
87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	832	832
87301275	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 12C	FOOT	1831	1831
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	7355	7355
87502310	TRAFFIC SIGNAL POST, PAINTED STEEL 16 FT.	EACH	4	4
87700120	STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	2	2
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	3	3
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12	12
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	9	9
87800400	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	20	20
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	75	75

* SPECIALTY ITEM

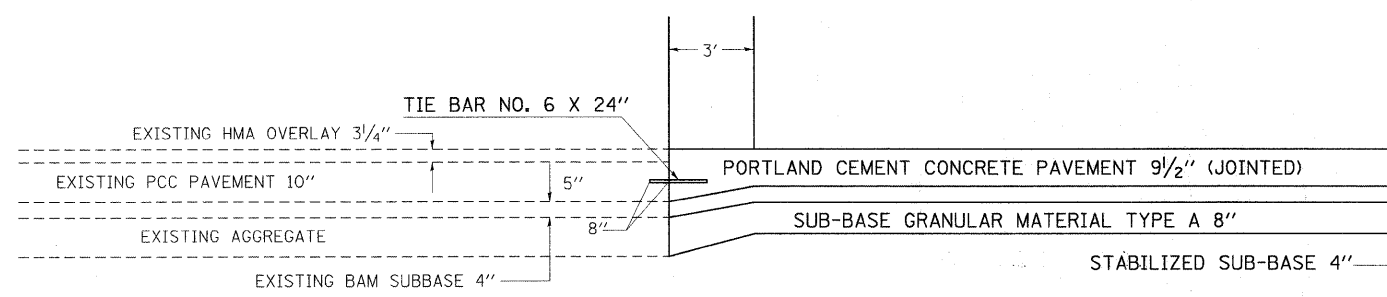
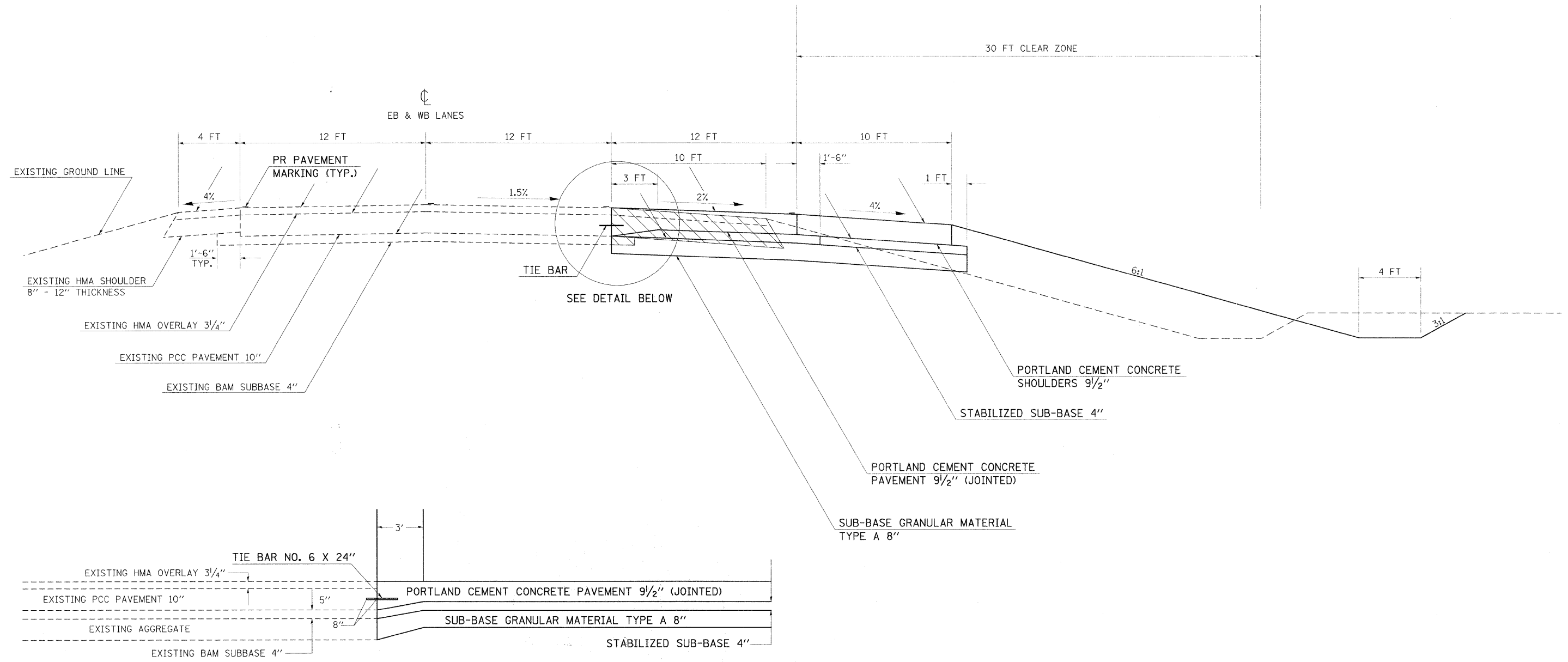
FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et\pwwork\PWIDOT\SHEPARDGD\dms47338\F	dstml3-sht-schedule.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	8	
PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 98857					
PLOT DATE = 10/14/2009	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION CONSTRUCTION TYPE CODE	UNIT	90/10 FED/ST WILLIAMSON COUNTY	
			<i>URBAN</i>	ROADWAY
			TOTAL QUANTITY	I 000
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8	8
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	10	10
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	2
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	10	10
88600100	DETECTOR LOOP, TYPE I	FOOT	3359	3359
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	17	17
89501100	RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER	EACH	1	1
89501300	RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE	EACH	3	3
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	3
X0300737	RADIO TRANSCEIVER	EACH	3	3
X0976500	END SECTIONS TO BE REMOVED	EACH	4	4
X6013700	PIPE UNDERDRAIN REMOVAL (SPECIAL)	FOOT	23922	23922
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	16	16
X8440102	RELOCATE EXISTING LUMINAIRE	EACH	8	8
88500100	INDUCTIVE LOOP DETECTOR	EACH	6	6
X8950090	RELOCATE EXISTING LIGHTING CONTROLLER	EACH	2	2
Z0000940	AGGREGATE FOR DRIVEWAY MAINTENANCE	TON	100	100
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0017100	DOWEL BARS	EACH	178	178
Z0040665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
Z0075300	TIE BARS	EACH	13896	13896
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1	1

* SPECIALTY ITEM

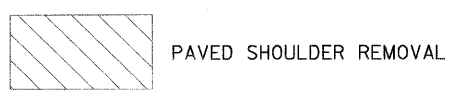
TYPICAL SECTION #1
THIRD TRAVEL LANE
 FAP 331 (IL 13)
 (LOOKING IN DIRECTION OF TRAVEL)



TO BE USED:

EASTBOUND LANES:
 STA 638+97.47 TO STA 651+46.00
 STA 686+19.60 TO STA 701+95.21
 STA 710+50.32 TO STA 729+89.87

WESTBOUND LANES:
 STA 635+12.35 TO STA 656+65.44
 STA 691+40.00 TO STA 706+98.66
 STA 715+26.21 TO STA 733+93.54



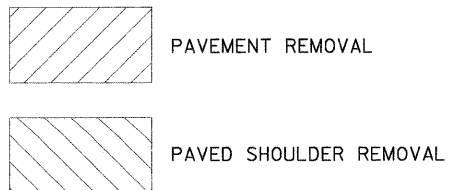
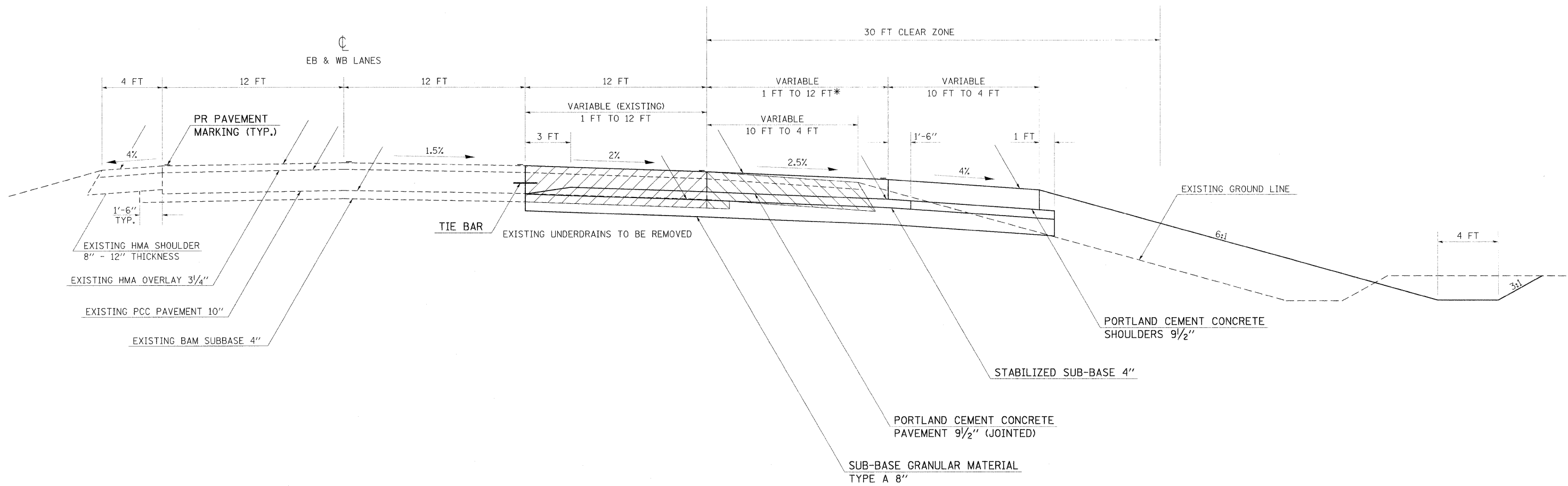
STRUCTURAL DESIGN TRAFFIC:		YEAR	2019
PV = 31,945	SU = 2,140	MU = 1,235	
ROAD CLASSIFICATION:		CLASS I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
P = 20%	S = 40%	M = 40%	
TRAFFIC FACTOR:		MINIMUM = 5.38	ACTUAL TF = 9.36
SUBGRADE SUPPORT RATING: POOR			

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2:\pwork\pwork\WIDOT\SHEPARDGD\dms47330\1	dstiml3-shb-typical.dgn	DRAWN -	REVISED -				331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	10
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 98857				
	PLOT DATE = 10/14/2009	DATE -	REVISED -				SCALE: N/A	SHEET NO. 1 OF 3 SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. - ILLINOIS	FED. AID PROJECT

TYPICAL SECTION #2

THIRD TRAVEL LANE WITH RIGHT TURN LANE

FAP 331 (IL 13)
(LOOKING IN DIRECTION OF TRAVEL)



TO BE USED:

EASTBOUND LANES:

STA 631+35.00 TO STA 638+97.47*
 STA 701+95.21 TO STA 707+40.14
 STA 729+89.87 TO STA 732+37.00
 STA 675+50.00 TO STA 681+00.00-NOT INCLUDE MEDIAN

WESTBOUND LANES:

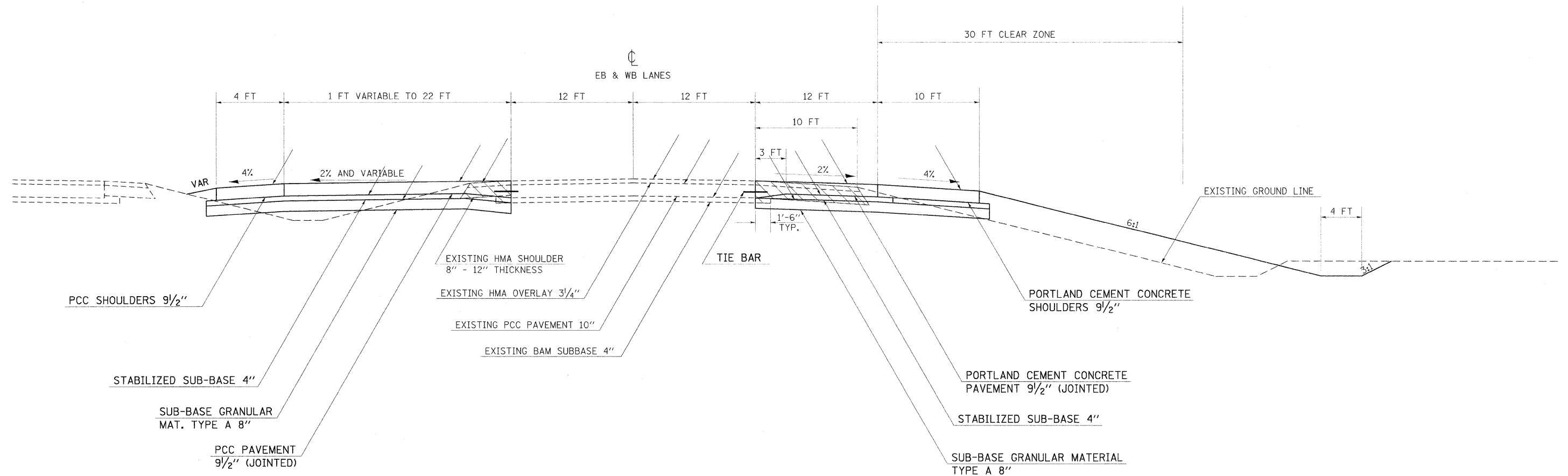
STA 630+50.00 TO STA 635+12.35
 STA 709+79.26 TO STA 715+26.21

NOTES:
 * STATION 631+35.00 TO STATION 636+77.47
 WIDTH VARIES FROM 25.74' TO 12.00'

STRUCTURAL DESIGN TRAFFIC:		YEAR	2019
PV = 31,945	SU = 2,140	MU = 1,235	
ROAD CLASSIFICATION:		CLASS I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			
P = 20%	S = 40%	M = 40%	
TRAFFIC FACTOR:		MINIMUM = 5.38	ACTUAL TF = 9.36
SUBGRADE SUPPORT RATING: POOR			

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ea\pwork\PWIDOT\SHEPARDGD\dms47330\fdatum13-sht-typical.dgn		DRAWN -	REVISED -				331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	11
PLOT SCALE = 50,0000' / IN.		CHECKED -	REVISED -		SCALE: N/A		SHEET NO. 2 OF 3 SHEETS		STA. _____ TO STA. _____	FED. ROAD DIST. NO. -	ILLINOIS FED. AID PROJECT
PLOT DATE = 10/14/2009		DATE -	REVISED -		CONTRACT NO. 98857						

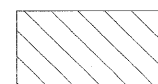
TYPICAL SECTION #3
THIRD TRAVEL LANE
WITH MEDIAN LEFT TURN LANE AND OPEN DRAINAGE
 FAP 331 (IL 13)
 (LOOKING IN DIRECTION OF TRAVEL)



TO BE USED:

EASTBOUND LANES:
 STA 651+46.00 TO STA 656+65.44

WESTBOUND LANES:
 STA 686+19.59 TO STA 691+40.00

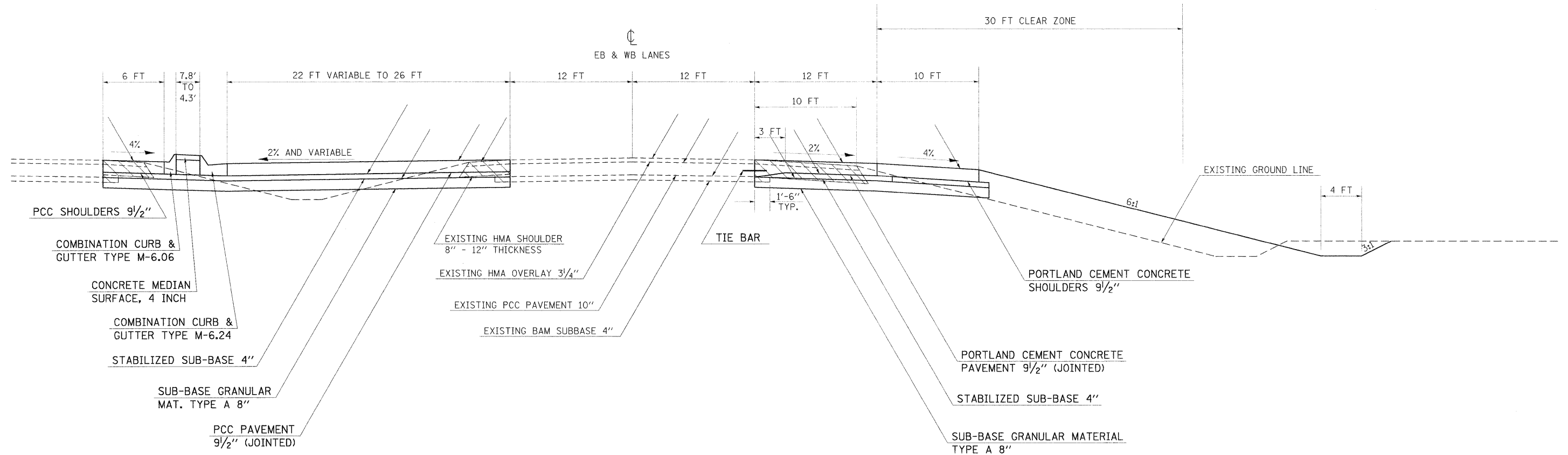


PAVED SHOULDER REMOVAL

STRUCTURAL DESIGN TRAFFIC:	YEAR 2019
PV = 31,945	SU = 2,140 MU = 1,235
ROAD CLASSIFICATION:	CLASS I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 20%	S = 40% M = 40%
TRAFFIC FACTOR:	MINIMUM = 5.38 ACTUAL TF = 9.36
SUBGRADE SUPPORT RATING:	POOR

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\DOT\SHEPARDGD\dms47330\F	dstam13-sht-typ10a1.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	12
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857				
	PLOT DATE = 10/14/2009	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

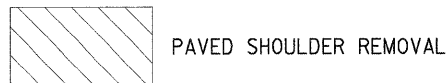
TYPICAL SECTION #4
THIRD TRAVEL LANE
WITH MEDIAN LEFT TURN LANE
 FAP 331 (IL 13)
 (LOOKING IN DIRECTION OF TRAVEL)



TO BE USED:

EASTBOUND LANES:
 STA 656+65.44 TO STA 657+57.53

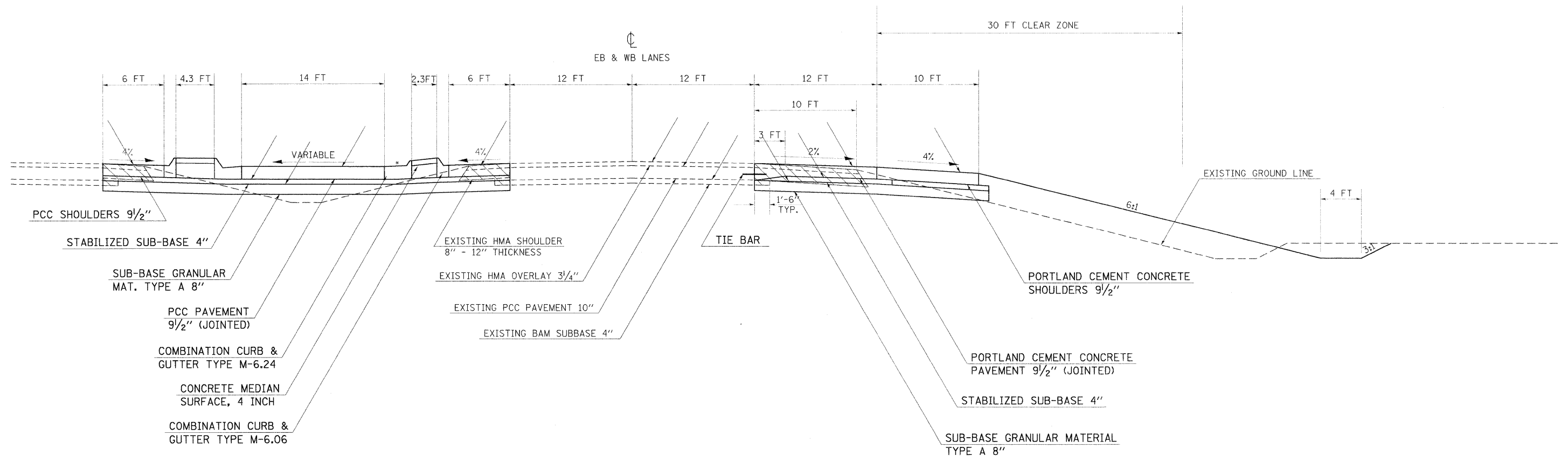
WESTBOUND LANES:
 STA 685+27.59 TO STA 686+19.59



STRUCTURAL DESIGN TRAFFIC:	YEAR	2019
PV = 31,945	SU = 2,140	MU = 1,235
ROAD CLASSIFICATION:	CLASS I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	P = 20% S = 40% M = 40%	
TRAFFIC FACTOR:	MINIMUM = 5.38	ACTUAL TF = 9.36
SUBGRADE SUPPORT RATING:	POOR	

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es:\pw_work\PW\DOT\SHEPARDGD\dms47330\F	data\ml3-ehb-typocai.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R(1X-1)N-3,R-2	WILLIAMSON	202	13	
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -			SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 98857			
	PLOT DATE = 10/14/2009	DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

TYPICAL SECTION #5
THIRD TRAVEL LANE WITH
MEDIAN LEFT TURN/ACCELERATION LANE
 FAP 331 (IL 13)
 (LOOKING IN DIRECTION OF TRAVEL)



TO BE USED:

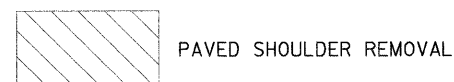
EASTBOUND LANES:

STA 657+57.53 TO STA 660+63.46
 STA 661+96.16 TO STA 666+68.61

WESTBOUND LANES:

STA 676+16.82 TO STA 680+89.31
 STA 682+21.65 TO STA 685+27.59

•SLOPE GUTTER FLAG TO DRAIN TO PAVEMENT



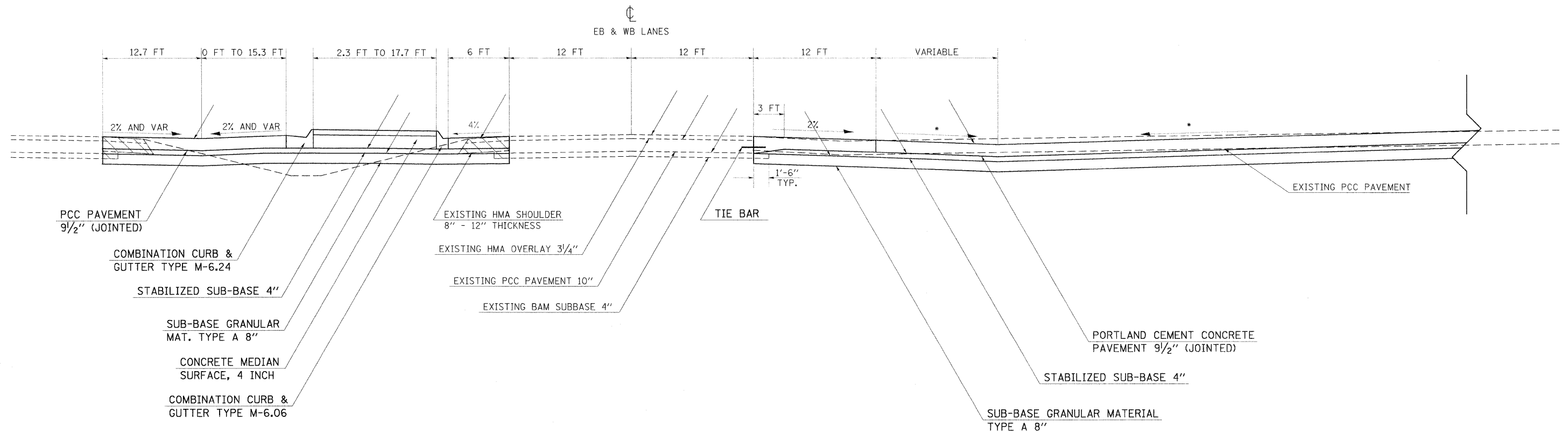
STRUCTURAL DESIGN TRAFFIC:	YEAR	2019
PV = 31,945	SU = 2,140	MU = 1,235
ROAD CLASSIFICATION:	CLASS I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	P = 20% S = 40% M = 40%	
TRAFFIC FACTOR:	MINIMUM = 5.38	ACTUAL TF = 9.36
SUBGRADE SUPPORT RATING:	POOR	

FILE NAME =	USER NAME = sheperdgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
os\pwork\WP\DOT\SHEPARDGD\dms47330\F	dstm13-sht-typical.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	14	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 98857			
	PLOT DATE = 10/14/2009	DATE -	REVISED -			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT					

TYPICAL SECTION #6

THIRD TRAVEL LANE WITH MEDIAN LEFT TURN LANE AT TERMINAL DRIVE AND PENTECOST ROAD INTERSECTIONS

FAP 331 (IL 13)
(LOOKING IN DIRECTION OF TRAVEL)



TO BE USED:

EASTBOUND LANES:
STA 660+63.46 TO STA 661+96.16

WESTBOUND LANES:
STA 680+89.31 TO STA 682+21.65

*SEE TERMINAL DRIVE AND PENTECOST ROAD PLAN PROFILE SHEETS FOR SLOPE

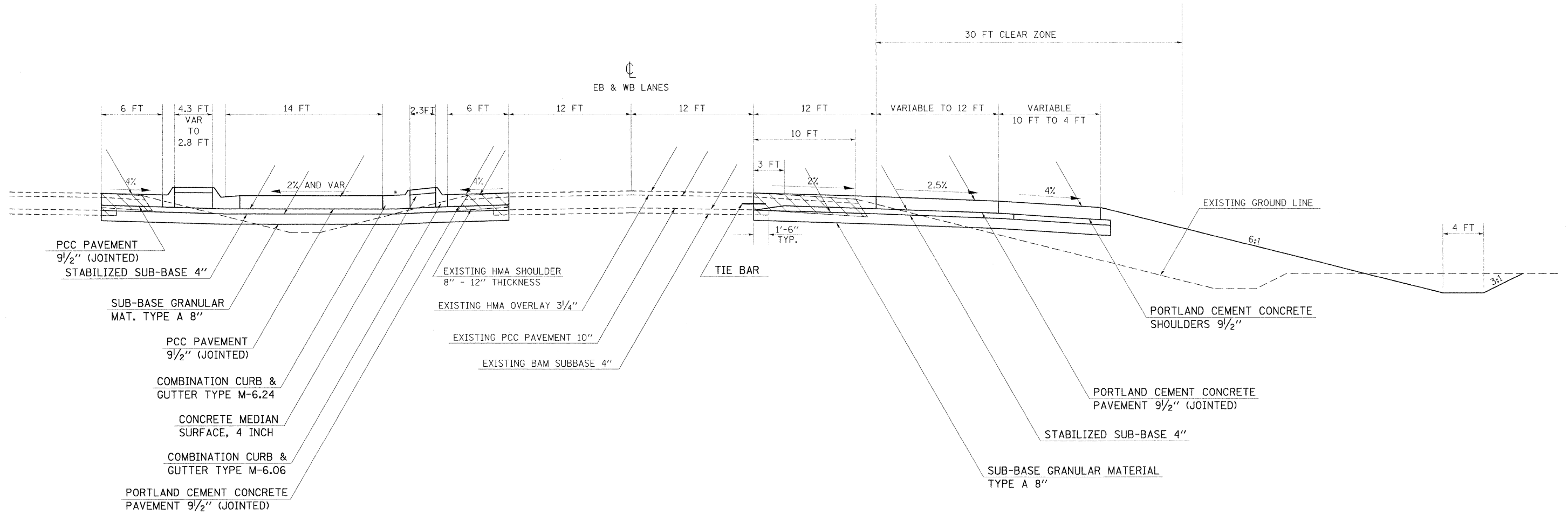


PAVED SHOULDER REMOVAL

STRUCTURAL DESIGN TRAFFIC:	YEAR	2019
PV = 31,945	SU = 2,140	MU = 1,235
ROAD CLASSIFICATION:	CLASS I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = 20%	S = 40%	M = 40%
TRAFFIC FACTOR:	MINIMUM = 5.38	ACTUAL TF = 9.36
SUBGRADE SUPPORT RATING:	POOR	

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ce:\pwork\pwork\PWIDOT\SHEPARDGD\dms47330\fdstun13-sht-typical.dgn	DRAWN -	REVISED -	331			(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	15		
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 98857								
PLOT DATE = 10/14/2009	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
						SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____			

TYPICAL SECTION #7
THIRD TRAVEL LANE
WITH MEDIAN ACCELERATION LANE
 FAP 331 (IL 13)
 (LOOKING IN DIRECTION OF TRAVEL)



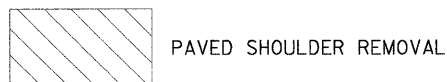
TO BE USED:

EASTBOUND LANES:
 STA 666+68.61 TO STA 667+33.52

WESTBOUND LANES:
 STA 662+00.00 TO STA 664+50.00
 STA 675+51.95 TO STA 676+16.82

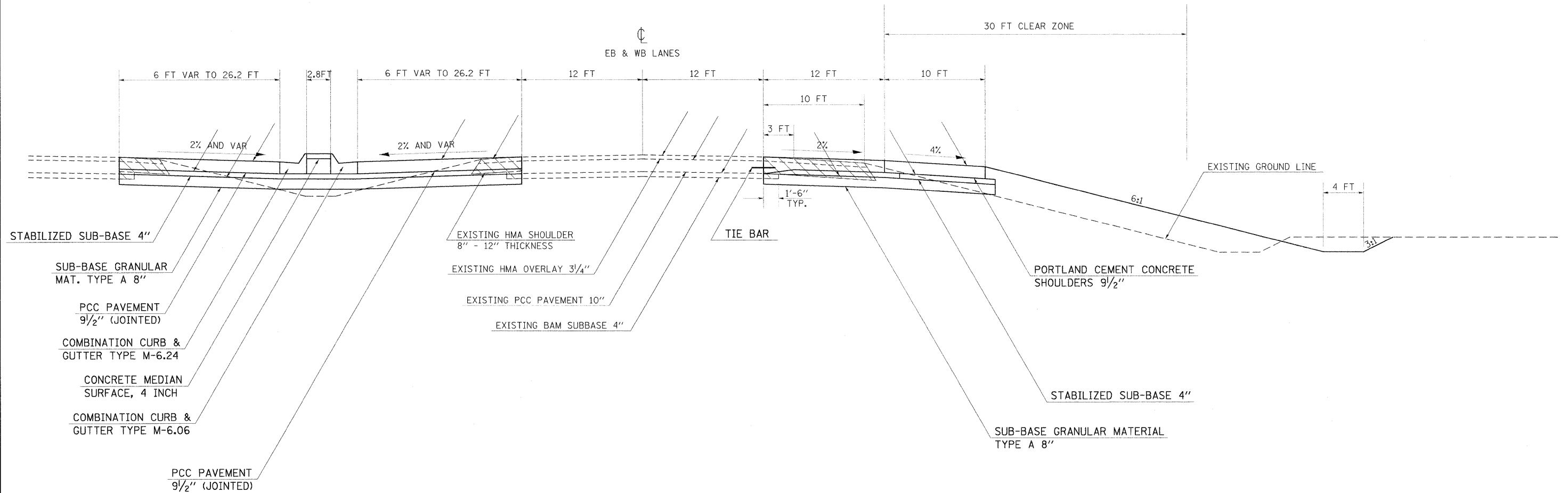
•SLOPE GUTTER FLAG TO DRAIN TO PAVEMENT

STRUCTURAL DESIGN TRAFFIC:	YEAR	2019
PV = 31,945	SU = 2,140	MU = 1,235
ROAD CLASSIFICATION:	CLASS I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = 20%	S = 40%	M = 40%
TRAFFIC FACTOR:	MINIMUM = 5.38	ACTUAL TF = 9.36
SUBGRADE SUPPORT RATING:	POOR	



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwwork\pwwid01\SHEPARDGD\dms47330\F	dstam13-shr-typicoe1.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	16
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857				
	PLOT DATE = 10/14/2009	DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

TYPICAL SECTION #8
THIRD TRAVEL LANE
WITH MEDIAN ACCELERATION LANE
 FAP 331 (IL 13)
 (LOOKING IN DIRECTION OF TRAVEL)



TO BE USED:

EASTBOUND LANES:

STA 667+33.52 TO STA 675+51.95
 STA 683+00.00 TO STA 686+19.60

WESTBOUND LANES:

STA 667+33.52 TO STA 675+51.95



PAVED SHOULDER REMOVAL

STRUCTURAL DESIGN TRAFFIC:	YEAR 2019
PV = 31,945	SU = 2,140 MU = 1,235
ROAD CLASSIFICATION:	CLASS I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 20%	S = 40% M = 40%
TRAFFIC FACTOR:	MINIMUM = 5.38 ACTUAL TF = 9.36
SUBGRADE SUPPORT RATING:	POOR

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwidot\shepardgd\dms47330\fdstun13-ahb-typical.dgn		DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	17
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 98857				
PLOT DATE = 10/14/2009		DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____										

PAVEMENT AND SHOULDER SCHEDULE

LOCATION	LENGTH	PCC PAVEMENT 9 1/2" (JOINTED)	PCC SHOULDERS 9 1/2"	STABILIZED SUB-BASE 4"	SUB-BASE GRANULAR MATERIAL, TYPE A 8"	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	TIE BARS	DOWEL BARS	PROTECTIVE COAT	
		SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	EACH	EACH	SQ YD	
EASTBOUND										
631+35.00 TO 636+77.47	542.47	1808.2	241.1	2109.6	2109.6		273	10	2049.3	
636+77.47 TO 637+97.57	120.10	280.2	53.4	347.0	347.0		62		333.6	
637+97.57 TO 638+97.47	99.90	172.1	72.2	255.3	255.3		51		244.2	
638+97.47 TO 675+50.85	3653.38	4871.2	4059.3	9336.4	9336.4		1828		8930.5	
675+50.85 TO 676+69.52	118.67	204.4	85.7	303.3	303.3		61		290.1	
676+69.52 TO 678+12.10	142.58	332.7	63.4	411.9	411.9		73		396.1	
678+12.10 TO 680+97.00	284.90	759.7	126.6	918.0	918.0		144		886.4	
PENTECOST DRIVE	PAVEMENT	932.7	38.3			977.7	31		970.9	
	NEW LANE	290.7		290.7	290.7		110	30	290.7	
683+15.00 TO 701+95.21	1880.21	2506.9	2089.1	4805.0	4805.0		942		4596.1	
701+95.21 TO 703+12.64	117.43	202.2	84.8	300.1	300.1		60		287.1	
703+12.64 TO 704+55.14	142.50	332.5	63.3	411.7	411.7		73		395.8	
704+55.14 TO 707+40.00	284.86	759.6	126.6	917.9	917.9		144		886.2	
BAINBRIDGE TRAIL	PAVEMENT	1183.0	38.1			1228.8	34		1221.1	
	NEW LANE	382.7		382.7	382.7		145	64	382.7	
710+27.00 TO 729+89.87	1962.87	2617.2	2181.0	5016.2	5016.2		983		4798.1	
729+89.87 TO 730+89.77	99.90	172.1	72.2	255.3	255.3		51		244.2	
730+89.77 TO 732+09.87	120.10	280.2		293.6	293.6		62		280.2	
732+09.87 TO 732+37.00	27.13	72.3		75.4	75.4		15	10	72.3	
SUBTOTALS		18161	9395	26430	26430	2207	5143	114	27556	
WESTBOUND										
630+50.00 TO 632+92.35	242.35	646.3	107.7	780.9	780.9		123	10	754.0	
632+92.35 TO 634+12.42	120.07	280.2	53.4	346.9	346.9		62		333.5	
634+12.42 TO 635+12.35	99.93	172.1	72.2	255.4	255.4		51		244.3	
635+12.35 TO 660+00.00	2487.65	3316.9	2764.1	6357.3	6357.3		1245		6080.9	
TERMINAL DRIVE	PAVEMENT	1314.6	183.1			1546.6	39	10	1497.7	
	NEW LANE	237.3		237.3	237.3		90		237.3	
661+78.00 TO 664+63.52	285.52	761.4	126.9	920.0	920.0		144		888.3	
664+63.52 TO 666+06.10	142.58	332.7	63.4	411.9	411.9		73		396.1	
666+06.10 TO 667+24.77	118.67	204.4	85.7	303.3	303.3		61		290.1	
667+24.77 TO 707+23.00	3998.23	5331.0	4442.5	10217.7	10217.7		2001		9773.5	
REDCO DRIVE	PAVEMENT	1026.3	36.0			1069.9	8	44	1062.3	
	NEW LANE	342.7		342.7	342.7		130		342.7	
709+80.00 TO 712+64.95	284.95	759.9	126.6	918.2	918.2		144		886.5	
712+64.95 TO 714+07.62	142.67	332.9	63.4	412.2	412.2		73		396.3	
714+07.62 TO 715+26.21	118.59	204.2	85.6	303.1	303.1		61		289.9	
715+26.21 TO 733+93.54	1867.33	2489.8	2074.8	4772.1	4772.1		935		4564.6	
SUBTOTALS		17752	10285	26579	26579	2617	5240	64	28038	
MEDIAN										
651+46.00 TO 651+62.80	16.80		8.6	10.5	10.5		10		8.6	
651+62.80 TO 656+65.44	502.64	642.3	223.4	921.5	921.5		253		865.7	
656+65.44 TO 657+60.52	95.08	253.5	63.4	316.9	316.9		97		316.9	
657+60.52 TO 660+45.52	285.00	443.3	380.0	823.3	823.3		287		823.3	
660+45.52 TO 660+60.49	14.97	25.0	20.0	44.9	44.9		17		44.9	
TERMINAL DRIVE		138.67	397.8	92.4	490.2		141		490.2	
		31.37	52.3	41.8	94.1		33		94.1	
662+30.53 TO 665+24.42	293.89	457.2	391.9	849.0	849.0		295		849.0	
665+24.42 TO 666+68.66	144.24	268.4	148.2	416.7	416.7		147		416.7	
666+68.66 TO 667+30.53	61.87	132.3	41.2	173.6	173.6		63		173.6	
667+30.53 TO 675+54.95	824.42	2931.3	0	2931.3	2931.3		827		2931.3	
675+54.95 TO 676+16.76	61.81	132.2	41.2	173.4	173.4		63		173.4	
676+16.76 TO 677+52.39	135.63	252.4	139.4	391.8	391.8		137		391.8	
677+52.39 TO 680+54.94	302.55	470.6	403.4	874.0	874.0		305		874.0	
680+54.94 TO 680+86.31	31.37	52.3	41.8	94.1	94.1		33		94.1	
PENTECOST DRIVE		138.32	394.4	92.2	486.6		141		486.6	
		14.97	25.0	20.0	44.9		17		44.9	
682+39.60 TO 685+24.59	284.99	443.3	380.0	823.3	823.3		287		823.3	
685+24.59 TO 686+19.59	95.00	253.3	63.3	316.7	316.7		97		316.7	
686+19.59 TO 691+23.32	503.73	643.7	223.9	923.5	923.5		253		867.5	
691+23.32 TO 691+40.00	16.68	8.6	8.6	10.5	10.5		10		8.6	
SUBTOTALS		8271	2825	11211	11211	0	3513	0	11095	
TOTALS		44184	22505	64220	64220	4823	13896	178	66689	

*SEE CURB AND GUTTER SCHEDULE FOR ADDITIONAL QUANTITIES

FILE NAME =	USER NAME = shepar-dgd	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT AND SHOULDER SCHEDULE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
er:\pwwork\NPIDOT\SHEPARDGD\dms47330\F	datml3-sht-schedule.dgn	DRAWN - ---	REVISED - ---			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	18	
PLOT SCALE = 50,0000' / IN.	CHECKED - ---	REVISED - ---	REVISED - ---			SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 98857			
PLOT DATE = 10/14/2009	DATE - ---	REVISED - ---	REVISED - ---			ILLINOIS FED. AID PROJECT					

PAVEMENT MARKING SCHEDULE (WESTBOUND IL 13)

STATION TO STATION	LOCATION	POLYUREA PAVEMENT MARKING					THERMOPLASTIC PAVEMENT MARKING					PAVEMENT MARKING REMOVAL SQ FT	PAVEMENT MARKING TAPE TYPE III		
		LINE 4" WHITE	LINE 4" YELLOW	LINE 12" WHITE	LINE 24" WHITE	LETTERS & SYMBOLS WHITE	LINE 4" WHITE	LINE 4" YELLOW	LINE 12" WHITE	LINE 24" WHITE	LETTERS & SYMBOLS WHITE		LINE 4" WHITE	LINE 12" WHITE	LETTERS & SYMBOLS WHITE
		FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ FT		FOOT	FOOT	SQ FT
WESTBOUND IL 13															
WB 630+50.0 TO 635+00.0	HATCHING IN FUTURE RIGHT TURN LANE														307.4
WB 630+50.0 TO 733+93.5	SKIP-BETWEEN OUTSIDE AND CENTER LANES	2585.9													
WB 630+50.0 TO 733+93.5	REFRESH SKIP BETWEEN INSIDE AND CENTER LANES														
WB 630+50.0 TO 635+12.3	OUTSIDE EDGE OF PAVEMENT														
WB 635+12.3 TO 660+27.6	OUTSIDE EDGE OF PAVEMENT	2515.3													
WB 630+67.8 TO 631+25.3	"ARROW"-RIGHT TURN LANE														20.8
WB 632+57.7 TO 660+56.3	"ONLY"-RIGHT TURN LANE														15.6
WB 632+57.7 TO 660+56.3	REFRESH INSIDE EDGE OF PAVEMENT									2798.6					932.9
WB 635+72.7 TO 636+29.1	"ARROW"-RIGHT TURN LANE														20.8
WB 636+29.1 TO 691+40.0	"ONLY"-RIGHT TURN LANE														15.6
WB 656+65.3 TO 691+40.0	INSIDE EDGE OF PAVEMENT														1158.2
WB 660+71.5 TO 660+93.5	STOP BAR-RIGHT TURN LANE ON SB TERMINAL														
WB 660+63.5 TO 660+93.5	NW ISLAND	106.9			73.6										
WB 660+88.4 TO 660+88.4	"ARROW"-SB TERMINAL RIGHT TURN LANE														20.8
WB 660+88.4 TO 660+88.4	"ONLY"-SB TERMINAL RIGHT TURN LANE														15.6
WB 660+99.0 TO 660+99.0	"ARROW"-SB TERMINAL LEFT TURN LANE														20.8
WB 660+99.0 TO 660+99.0	"ONLY"-SB TERMINAL LEFT TURN LANE														15.6
WB 660+81.5 TO 661+00.0	SB TERMINAL RT EDGE OF PAVEMENT	223.3													
WB 661+17.5 TO 661+50.6	STOP BAR-SB TERMINAL LEFT TURN LANE														
WB 661+17.5 TO 661+50.6	NE ISLAND	111.9			82.9										
WB 661+19.5 TO 661+40.5	NB TERMINAL EDGE OF PAVEMENT	133.7													
WB 661+40.5 TO 660+93.5	STOP BAR-RIGHT TURN LANE														
WB 660+93.5 TO 661+05.5	SB TERMINAL BETWEEN RTL AND LTL	133.7													
WB 661+05.5 TO 664+63.5	LINE BETWEEN SB LTL AND NB LANE														
WB 661+50.6 TO 664+63.5	LINE BETWEEN RTL AND OUTSIDE THRU LANE	312.9													
WB 664+02.3 TO 664+60.3	"ARROW"-RIGHT TURN LANE														20.8
WB 664+02.3 TO 664+60.3	"ONLY"-RIGHT TURN LANE														15.6
WB 661+68.8 TO 707+68.4	OUTSIDE EDGE OF PAVEMENT	4599.6													
WB 661+85.7 TO 666+35.2	STOP BAR-THREE THRU LANES														
WB 661+85.7 TO 666+35.2	INSIDE EDGE OF PAVEMENT														
WB 670+60.5 TO 688+05.8	MEDIAN HATCHING	1745.3			522.4										
WB 670+60.5 TO 675+55.2	RT EDGE OF ACCELERATION LANE	494.7													
WB 682+38.5 TO 683+48.7	STOP BAR-DECELERATION LANE														
WB 683+48.7 TO 684+05.0	"ARROW"-DECELERATION LANE														20.8
WB 684+05.0 TO 688+05.8	"ONLY"-DECELERATION LANE														15.6
WB 685+24.6 TO 688+05.8	RT EDGE OF DECELERATION LANE	281.2													
WB 686+19.6 TO 691+40.0	LT EDGE OF DECELERATION LANE														
WB 687+38.7 TO 687+96.9	"ARROW"-DECELERATION LANE														20.8
WB 687+38.7 TO 687+96.9	"ONLY"-DECELERATION LANE														15.6
WB 691+40.0 TO 708+25.0	REFRESH INSIDE EDGE OF PAVEMENT														
WB 708+13.5 TO 708+51.2	STOP BAR-REDCO RT TURN LANE														
WB 708+02.5 TO 708+51.2	NW ISLAND	174.6			79.0										
WB 708+51.2 TO 708+63.9	LINE BETWEEN REDCO SB THRU AND RTL	32.7													
WB 708+63.9 TO 708+75.5	LINE BETWEEN REDCO SB THRU AND LTL	76.0													
WB 708+75.5 TO 708+57.5	LINE BETWEEN REDCO NB THRU AND SB LTL														
WB 708+57.5 TO 708+68.7	STOP BAR-SB REDCO THRU LANE														
WB 708+68.7 TO 709+46.2	STOP BAR-SB REDCO LT TURN LANE														
WB 708+93.3 TO 709+46.2	NE ISLAND	174.7			97.3										
WB 709+07.5 TO 711+51.5	STOP BAR-THREE THRU LANES														
WB 709+07.5 TO 711+51.5	REFRESH LINE BETWEEN IN LANE AND OUT LTL														
WB 709+35.7 TO 713+47.0	REFRESH INSIDE EDGE OF PAVEMENT														
WB 713+47.0 TO 733+93.5	REFRESH INSIDE EDGE OF PAVEMENT														
WB 709+46.2 TO 712+65.0	LINE BETWEEN RTL AND OUT THRU LANE	318.8													
WB 709+50.2 TO 711+51.5	STOP BAR-LEFT TURN LANES														
WB 709+50.2 TO 711+51.5	REFRESH LINE BETWEEN IN AND OUT LTL														
WB 710+25.8 TO 710+52.1	"ARROW"-RIGHT TURN LANE														20.8
WB 710+52.1 TO 710+78.8	"ONLY"-RIGHT TURN LANE														15.6
WB 710+78.8 TO 710+78.8	"ARROW"-LEFT TURN LANE														20.8
WB 710+78.8 TO 711+36.3	"ARROW"-LEFT TURN LANE														20.8
WB 711+36.3 TO 711+36.3	"ONLY"-LEFT TURN LANE														15.6
WB 711+36.3 TO 711+36.3	"ONLY"-LEFT TURN LANE														15.6
WB 709+62.4 TO 733+93.5	OUTSIDE EDGE OF PAVEMENT	2431.1													
WB 731+56.2 TO 733+93.5	HATCHING														
SUBTOTALS		16452.3	1842.6	855.2	165.0	218.4	2829.9	6731.4	0.0	36.0	72.8	4466.1	699.6	369.8	72.8

PAVEMENT MARKING SCHEDULE (EASTBOUND IL 13)

STATION TO STATION	LOCATION	POLYUREA					THERMOPLASTIC PAVEMENT MARKING					PAVEMENT MARKING REMOVAL SQ FT	PAVEMENT MARKING TAPE TYPE III		
		LINE 4" WHITE	LINE 4" YELLOW	LINE 12" WHITE	LINE 24" WHITE	LETTERS & SYMBOLS WHITE	LINE 4" WHITE	LINE 4" YELLOW	LINE 12" WHITE	LINE 24" WHITE	LETTERS & SYMBOLS WHITE		LINE 4" WHITE	LINE 12" WHITE	LETTERS & SYMBOLS WHITE
		FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ FT		FOOT	FOOT	SQ FT
EASTBOUND IL 13															
EB 631+35.0 TO 639+00.0	HATCHING IN FUTURE MERGE LANE													529.1	
EB 631+35.0 TO 732+37.0	SKIP BETWEEN OUTSIDE AND CENTER LANES	2525.5													
EB 631+35.0 TO 732+37.0	REFRESH SKIP BETWEEN INSIDE AND CENTER LANES						2525.5					841.8			
EB 631+35.0 TO 651+46.0	REFRESH INSIDE EDGE OF PAVEMENT							2011.0				670.3			
EB 631+35.0 TO 638+97.5	OUTSIDE EDGE OF PAVEMENT AND MERGE LANE												762.5		
EB 638+97.5 TO 681+12.0	OUTSIDE EDGE OF PAVEMENT AND MERGE LANE	4214.5													
EB 651+46.0 TO 686+19.6	INSIDE EDGE OF PAVEMENT											1157.9			
EB 654+75.0 TO 672+10.5	HATCHING IN MEDIAN	1735.5		468.0											
EB 651+46.0 TO 656+65.0	LT EDGE OF DECELERATION LANE		519.0												
EB 654+75.0 TO 657+61.1	RT EDGE OF DECELERATION LANE	286.1													
EB 654+65.0	"ONLY"-DECELERATION LANE					20.8									
EB 655+21.0	"ARROW"-DECELERATION LANE					15.6									
EB 658+65.0	"ONLY"-DECELERATION LANE					20.8									
EB 659+21.0	"ARROW"-DECELERATION LANE					15.6									
EB 660+46.0	STOP BAR-DECELERATION LANE				14.0										
EB 660+54.6	REMOVE STOP BAR TWO EXISTING THRU LANES											48.0			
EB 660+95.0	STOP BAR FOR SOUTH TERMINAL				15.0										
EB 667+31.0 TO 672+10.5	RIGHT EDGE OF ACCELERATION LANE	479.5													
EB 677+52.0 TO 680+84.0	LEFT EDGE OF PAVEMENT		332.0												
EB 678+12.0 TO 681+27.0	LEFT EDGE OF RIGHT TURN LANE	315.0													
EB 678+18.0	"ONLY"-RIGHT TURN LANE					20.8									
EB 678+75.0	"ARROW"-RIGHT TURN LANE					15.6									
EB 681+00.0	STOP BAR-THREE THRU LANES				13.0					24.0		48.0			
EB 681+27.0 TO 681+68.0	SW ISLAND	140.0		119.4											
EB 681+34.0	STOP BAR-RT TURN LANE				14.0										
EB 681+80.0	BETWEEN NB AND SB PENTECOST		229.0												
EB 681+86.0	STOP BAR-NB PENTECOST				12.0										
EB 681+92.0	BETWEEN NB AND RT TURN LANE PENTECOST	91.5													
EB 681+92.0 TO 682+33.0	SE ISLAND	149.0		112.0											
EB 682+23.0	STOP BAR-RT TURN LANE PENTECOST				18.0										
EB 682+25.0 TO 686+19.6	INSIDE EDGE OF PAVEMENT		394.6												
EB 682+66.6 TO 707+60.0	OUTSIDE EDGE OF PAVEMENT AND RT TURN LANE	2493.4													
EB 686+19.6 TO 708+24.8	REFRESH INSIDE EDGE OF PAVEMENT											735.1			
EB 703+98.0 TO 708+26.2	RT SIDE OF LEFT TURN LANE						428.2								
EB 704+11.0	"ONLY"-LEFT TURN LANE										20.8	20.8			
EB 704+69.0	"ARROW"-LEFT TURN LANE										15.6	15.6			
EB 704+55.0 TO 707+75.0	LEFT EDGE LINE OF RIGHT TURN LANE	320.0													
EB 704+70.0	"ONLY"-RIGHT TURN LANE					20.8									
EB 704+96.0	"ARROW"-RIGHT TURN LANE					15.6									
EB 706+09.8	"ONLY"-LEFT TURN LANE										20.8				
EB 706+67.0	"ARROW"-LEFT TURN LANE										15.6				
EB 706+70.0	"ONLY"-RIGHT TURN LANE					20.8									
EB 706+95.0	"ARROW"-RIGHT TURN LANE					15.6									
EB 707+86.0 TO 708+18.5	HATCHING BETWEEN INSIDE THRU AND LEFT TURN LANES						39.9		31.0						
EB 708+16.5	STOP BAR-LEFT TURN LANE									14.0					
EB 708+25.7	STOP BAR-THREE THRU LANES				12.0					24.0		48.0			
EB 708+19.5	STOP BAR-RIGHT TURN LANE				18.0										
EB 707+72.8 TO 708+46.9	SW ISLAND	260.0		171.7											
EB 708+59.0	BETWEEN TWO SB BAINBRIDGE LANES	73.0													
EB 708+73.0	BETWEEN NB AND SB BAINBRIDGE LANES		74.4												
EB 708+88.3	BETWEEN TWO NB BAINBRIDGE LANES	75.7													
EB 708+82.0	STOP BAR-NB BAINBRIDGE INSIDE THRU LANE				12.0										
EB 708+93.0	STOP BAR-NB BAINBRIDGE OUTSIDE THRU LANE				12.0										
EB 708+98.8 TO 709+47.4	SE ISLAND	174.2		86.0											
EB 709+36.4	STOP BAR-RT TURN LANE BAINBRIDGE				18.0										
EB 709+81.5 TO 732+37.0	RIGHT EDGE OF PAVEMENT	2255.5													
EB 709+35.7 TO 729+37.1	REFRESH INSIDE EDGE OF PAVEMENT							2001.4				667.1			
EB 729+90.0 TO 732+37.0	HATCHING IN FUTURE RIGHT TURN LANE												128.2		
SUBTOTALS		15588.4	1549.0	957.1	158.0	182.0	2993.6	6217.6	31.0	62.0	72.8	4252.6	762.5	657.3	0.0
TOTALS		35432		1813	323	401	18772		31	98	146	8719	1463	1028	73

CURB AND GUTTER SCHEDULE

LOCATION	LENGTH	COMBINATION CONCRETE CURB & GUTTER			CONCRETE MEDIAN SURFACE, 4"	STABILIZED SUB-BASE 4"	SUB-BASE GRANULAR MATERIAL, TYPE A 8"	PROTECTIVE COAT
		TYPE M-6.06 FOOT	TYPE M-6.24 FOOT	TYPE B-6.12 FOOT				
INTERSECTIONS								
TERMINAL DRIVE								
660+27.55 TO 660+77.52	49.97		69.6			28.4	28.4	22.2
661+40.94 TO 661+68.81	27.87		33.3			13.6	13.6	10.6
661+89.3				67.5		19.4	19.4	15.0
PENTECOST DRIVE								
681+11.64 TO 681+69.26	57.62			146.0		41.9	41.9	32.4
682+06.20 TO 682+66.61	60.41			98.6		28.3	28.3	21.9
REDCO DRIVE								
707+68.41 TO 708+36.59	68.18			112.0		32.1	32.1	24.9
708+92.59 TO 709+62.39	69.80			117.1		33.6	33.6	26.0
NW ISLAND								
NE ISLAND								
BAINBRIDGE TRAIL								
707+59.70 TO 708+31.25	71.55			103.6		29.7	29.7	23.0
709+13.12 TO 709+81.51	68.39			111.8		32.1	32.1	24.8
SW ISLAND								
SE ISLAND								
SUBTOTALS		102	244	757	825	406	406	353
MEDIAN								
656+65.44 TO 657+57.53	92.09	92.1	92.1		583	104.0	104.0	108.3
657+57.53 TO 660+63.47	305.94	611.9	611.9		2041	487.4	487.4	515.7
660+63.47 TO 660+99.01	35.54	35.5	35.5		83	24.3	24.3	26.0
660+99.01 TO 661+38.47	39.46	39.5	39.5		364	60.7	60.7	62.8
661+38.47 TO 661+96.16	57.69	57.7	57.7		134	39.5	39.5	42.2
661+96.16 TO 666+68.64	472.48	945.0	945.0		3151	752.6	752.6	796.4
666+68.64 TO 667+33.53	64.89	64.9	64.9		384	108.7	108.7	114.7
667+33.53 TO 675+51.95	818.42	1636.8	1636.8		2316	742.3	742.3	780.2
675+51.95 TO 676+16.80	64.85	64.9	64.9		384	108.7	108.7	114.7
676+16.80 TO 680+89.30	472.50	945.0	945.0		3152	752.7	752.7	796.4
680+89.30 TO 681+46.67	57.37	57.4	57.4		134	39.3	39.3	41.9
681+46.67 TO 681+87.30	40.63	40.6	40.6		381	62.6	62.6	64.7
681+87.30 TO 682+21.65	34.35	34.3	34.3		80	23.5	23.5	25.1
682+21.65 TO 685+27.59	305.94	611.9	611.9		2041	487.4	487.4	515.7
685+27.59 TO 686+19.59	92.00	92.0	92.0		583	103.9	103.9	108.2
SUBTOTALS		3693	5611		15810	3898	3898	4113
TOTALS		3795	5855	757	16635	4303	4303	4466

PERIMETER EROSION BARRIER AND INLET PROTECTION SCHEDULE

STATION TO STATION	INLET AND PIPE PROTECTION*	PERIMETER EROSION BARRIER
	EACH	FOOT
WESTBOUND		
638+37	1	
717+00 TO 725+00		800
725+00 TO 733+00		800
SUBTOTALS		1600
EASTBOUND		
645+85	1	
670+00 TO 674+00		400
676+90 TO 681+45		455
689+00	1	
725+00 TO 732+00		700
727+39	2	
731+06	1	
734+84	1	
SUBTOTALS		1555
TOTALS		3155

*SEE THE STORM SEWER SCHEDULE FOR ADDITIONAL QUANTITY.

REMOVAL SCHEDULE

LOCATION	LENGTH	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	COMBINATION CURB & GUTTER REMOVAL	ISLAND REMOVAL	PAVED DITCH REMOVAL
		SQ YD	SQ YD	FOOT	SQ FT	FOOT
EASTBOUND						
MAINLINE						
631+35.00 TO 633+89.40	254.4	234.6	268.5			
633+89.40 TO 635+00.00	110.6		124.7			
635+00.00 TO 660+23.70	2523.7		2860.2			
660+23.70 TO 661+34.90	111.2	227.0	29.8			
661+34.90 TO 672+36.00	1101.1		1247.9			
672+36.00 TO 673+23.00	87.0	106.6	117.9			
673+23.00 TO 680+97.00	774.0		877.2			
PENTECOST DRIVE						
680+97.00 TO 681+67.40	70.4	263.1	12.3	159.6		
681+67.40 TO 681+91.40	24.0	395.9				
681+91.40 TO 683+15.00	123.6	405.1	16.1	125.0		
MAINLINE						
683+15.00 TO 701+50.00	1835.0		2079.7		20	
701+50.00 TO 703+98.50	248.5	165.7	210.1			
703+98.50 TO 707+40.00	341.5	455.3	170.8			
BAINBRIDGE TRAIL						
707+40.00 TO 708+46.70	106.7	443.1	12.7	108.7	290.0	
708+46.70 TO 708+98.60	51.9	535.4				
708+98.60 TO 710+27.00	128.4	356.3	18.0	141.7	388.0	
MAINLINE						
710+27.00 TO 729+98.50	1971.5		2387.7			
729+98.50 TO 732+37.00	238.5	179.3	140.3			
SUBTOTALS		3768	10574	535	678	20
WESTBOUND						
MAINLINE						
630+50.0 TO 632+92.4	242.3	189.8	229.8			
632+92.4 TO 634+12.4	120.1	21.3	134.7			
634+12.4 TO 635+12.4	99.9		112.1			
635+12.4 TO 660+00.0	2487.7		2791.7			
TERMINAL DRIVE						
660+00.0 TO 660+94.0	94.0	384.0	117.4	45.0		
660+94.0 TO 661+06.0	12.0	375.8				
661+06.0 TO 661+78.0	72.0	835.6		101.0		
661+78.0 TO 661+89.3				60.0		
MAINLINE						
661+89.3 TO 664+63.5	285.5	355.3	133.2			
664+63.5 TO 666+06.1	142.6	115.6	66.5			
666+06.1 TO 667+24.8	118.7	31.0	94.3			
667+24.8 TO 681+30.0	1405.2		1592.6			
681+30.0 TO 682+31.0	101.0	385.3	32.9	114.0		
682+31.0 TO 707+23.0	2492.0		2824.3		28	
REDCO DRIVE						
707+23.0 TO 708+52.0	129.0	354.9	29.8	139.0	415.8	
708+52.0 TO 708+93.0	41.0	481.8				
708+93.0 TO 709+80.0	87.0	292.9	5.6	132.0	344.0	
MAINLINE						
709+80.0 TO 712+65.0	284.9	386.3	133.0			
712+65.0 TO 714+07.6	142.7	72.9	115.3			
714+07.6 TO 715+26.2	118.6		55.3			
715+26.2 TO 733+93.5	1867.3		871.4			
SUBTOTALS		4283	9340	591	760	28
MEDIAN						
651+46.00 TO 654+48.00	302.00		140.9			
654+48.00 TO 656+65.00	217.00	125.4	101.3			
656+65.00 TO 656+98.00	33.00	41.1	30.8			
656+98.00 TO 660+50.00	352.00	477.2	328.5			
660+50.00 TO 661+68.00	118.00	340.3	76.4			
661+68.00 TO 672+43.00	1075.00		1003.3			
672+43.00 TO 673+06.00	63.00	167.2	58.8			
673+06.00 TO 675+00.00	194.00		181.1			
675+00.00 TO 677+49.00	249.00	168.8	232.4			
677+49.00 TO 681+10.00	361.00	485.3	336.9			
681+10.00 TO 682+47.00	137.00	463.1	75.1			
682+47.00 TO 685+25.00	278.00	355.2	259.5			
685+25.00 TO 686+20.00	95.00	112.9	88.7			
686+20.00 TO 688+47.00	227.00	126.1	105.9			
688+47.00 TO 691+40.00	293.00		136.7			
SUBTOTALS		2863	3156	0	0	0
TOTALS		10913	23070	1126	1438	48

RIPRAP SCHEDULE

LOCATION STATION TO STATION	STONE RIPRAP, CLASS A4	FILTER FABRIC FOR USE WITH RIPRAP
	SQ YD	SQ YD
WESTBOUND IL 13		
WB 688+99.5	31.1	
WB 696+90.0	49.0	
WB 699+48.0	26.9	
WB 700+27.7	40.0	
WB 722+00.0 TO 722+10.0	11.0	11.0
WB 722+09.9	62.6	
WB 700+27.7	40.0	
WB 700+27.7	40.0	
WB 700+27.7	40.0	
EASTBOUND IL 13		
EB 638+31.3	30.0	
EB 689+36.5	120.0	
EB 700+27.7	120.0	
EB 722+00.0 TO 722+10.0	11.0	11.0
EB 722+09.9	333.3	
TOTALS	955	22

TREE REMOVAL SCHEDULE

LOCATION STATION	6 TO 15	OVER 15	REMARKS
	UNITS	UNITS	
EASTBOUND			
640+75		16	OAK
640+75		17	OAK
640+75		24	OAK
640+75		16	OAK
655+45		25	GUM
655+90	13		GUM
656+20		20	GUM
656+25 TO 660+25	12 X 35		PINE
667+95	9		MAPLE
667+95	11		MAPLE
668+15	6 X 3		
668+35		17	TULIP
680+05		22	CYPRESS
713+80		18	PINE
714+00		16	PINE
714+25		17	PINE
WESTBOUND			
643+50		22	GUM
644+40		17	GUM
647+05	15		BIRCH
654+10		22	GUM
654+45		20	GUM
654+85		20	GUM
655+05		21	MAPLE
655+40		18	MAPLE
673+10		25	GUM
673+50		21	GUM
674+90	9		GUM
674+90		17	GUM
674+90		19	GUM
675+33		16	MAPLE
675+80		17	MAPLE
676+05		18	MAPLE
679+40		23	OAK
680+85		24	GUM
729+50		25	OAK
732+40		33	GUM
733+05		32	GUM
733+60		17	MAPLE
TOTALS	495	635	

TEMPORARY PAVEMENT MARKING SCHEDULE

(WESTBOUND IL 13)

STATION TO STATION	LOCATION	WORK ZONE PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING					SHORT TERM PAVEMENT MARKING
			LINE 4" WHITE	LINE 4" YELLOW	LINE 12" WHITE	LINE 24" WHITE	LETTERS & SYMBOLS WHITE	
			SQ FT	FOOT	FOOT	FOOT	FOOT	
WESTBOUND IL 13								
TERMINAL	ADDITIONAL QUANTITY FOR STAGING	107.7	215				18	
REDCO	ADDITIONAL QUANTITY FOR STAGING	241.3	400				54	
WB 630+50.0 TO 733+93.5	SHORT TERM QUANTITY							1354
WB 630+50.0 TO 635+00.0	HATCHING IN FUTURE RIGHT TURN LANE	307.4			307.4			
WB 630+50.0 TO 733+93.5	SKIP-BETWEEN OUTSIDE AND CENTER LANES	862.0	2585.9					
WB 630+50.0 TO 733+93.5	REFRESH SKIP BETWEEN INSIDE AND CENTER LANES	862.0	2585.9					
WB 630+50.0 TO 660+27.6	RIGHT EDGE OF PAVEMENT	992.5	2977.6					
WB 630+67.8 TO 631+25.3	"ARROW"-RIGHT TURN LANE	20.7					20.7	
WB 632+57.7 TO 656+65.3	"ONLY"-RIGHT TURN LANE	15.8					15.8	
WB 635+72.7 TO 636+29.1	REFRESH LT EDGE OF PAVEMENT	802.5	2407.6				0.0	
WB 636+29.1 TO 691+40.0	"ARROW"-RIGHT TURN LANE	20.7					20.7	
WB 656+65.3 TO 660+71.5	"ONLY"-RIGHT TURN LANE	15.8					15.8	
WB 660+71.5 TO 660+93.5	LT EDGE OF PAVEMENT	0.0						
WB 660+63.5 TO 660+93.5	STOP BAR-RIGHT TURN LANE ON SB TERMINAL	36.0				18.0		
WB 660+88.4 TO 660+88.4	NW ISLAND	108.3	106.9		72.7			
WB 660+88.4 TO 660+88.4	"ARROW"-SB TERMINAL RIGHT TURN LANE	20.7					20.7	
WB 660+89.0 TO 660+89.0	"ONLY"-SB TERMINAL RIGHT TURN LANE	15.8					15.8	
WB 660+89.0 TO 660+89.0	"ARROW"-SB TERMINAL LEFT TURN LANE	20.7					20.7	
WB 660+89.0 TO 660+89.0	"ONLY"-SB TERMINAL LEFT TURN LANE	15.8					15.8	
WB 660+81.5 TO 661+00.0	SB TERMINAL RT EDGE OF PAVEMENT	74.4	223.3					
WB 661+00.0 TO 661+40.5	STOP BAR-SB TERMINAL LEFT TURN LANE	24.0				12.0		
WB 661+40.5 TO 660+93.5	STOP BAR-RIGHT TURN LANE	36.0				18.0		
WB 660+93.5 TO 661+05.5	SB TERMINAL BETWEEN RTL AND LTL	44.6	133.7					
WB 661+05.5 TO 661+50.6	LINE BETWEEN SB LTL AND NB LANE	51.9	0.0	155.7				
WB 661+50.6 TO 664+02.3	LINE BETWEEN RTL AND OUTSIDE THRU LANE	104.3	312.9					
WB 664+02.3 TO 664+60.3	"ARROW"-RIGHT TURN LANE	20.7					20.7	
WB 664+60.3 TO 707+68.4	"ONLY"-RIGHT TURN LANE	15.8					15.8	
WB 661+68.8 TO 661+85.7	RT EDGE OF PAVEMENT	1533.2	4599.6				0.0	
WB 661+85.7 TO 666+35.2	STOP BAR-THREE THRU LANES	72.0				36.0	0.0	
WB 666+35.2 TO 688+05.8	INSIDE EDGE OF PAVEMENT	149.8		449.5			0.0	
WB 670+60.5 TO 675+55.2	MEDIAN HATCHING	1104.2	1745.3		522.4		0.0	
WB 675+55.2 TO 688+05.8	RT EDGE OF ACCELERATION LANE	164.9	494.7				0.0	
WB 688+05.8 TO 691+40.0	RT EDGE OF DECELERATION LANE	93.7	281.2				0.0	
WB 686+19.6 TO 687+38.7	LT EDGE OF DECELERATION LANE	173.5		520.4			0.0	
WB 687+38.7 TO 687+96.9	"ARROW"-DECELERATION LANE	20.7					20.7	
WB 687+96.9 TO 708+25.0	"ONLY"-DECELERATION LANE	15.8					15.8	
WB 691+40.0 TO 708+13.5	REFRESH LT EDGE OF PAVEMENT	561.7		1685.0				
WB 708+13.5 TO 708+02.5	STOP BAR-REDCO RT TURN LANE	36.0				18.0		
WB 708+02.5 TO 708+51.2	NW ISLAND	124.6	174.6		66.4			
WB 708+51.2 TO 708+63.9	LINE BETWEEN REDCO SB THRU AND RT TURN LANE	25.3	76.0					
WB 708+63.9 TO 708+75.5	LINE BETWEEN REDCO SB THRU AND LT TURN LANE	25.3	76.0					
WB 708+75.5 TO 708+57.5	LINE BETWEEN REDCO NB THRU AND SB LT TURN LANE	25.0		75.0				
WB 708+57.5 TO 708+68.7	STOP BAR-SB REDCO THRU LANE	24.0				12.0		
WB 708+68.7 TO 708+93.3	STOP BAR-SB REDCO LT TURN LANE	24.0				12.0		
WB 708+93.3 TO 709+07.5	NE ISLAND	155.5	174.7		97.3			
WB 709+07.5 TO 711+51.5	STOP BAR-THREE THRU LANES	72.0				36.0		
WB 709+35.7 TO 733+93.5	REFRESH LINE BETWEEN INSIDE LANE AND OUTSIDE LTL	81.3		244.0				
WB 709+46.2 TO 712+65.0	REFRESH LT EDGE OF PAVEMENT	819.3		2457.8				
WB 709+50.2 TO 711+51.5	LINE BETWEEN RIGHT TURN LANE AND OUTSIDE THRU LANE	106.3	318.8					
WB 709+50.2 TO 710+25.8	STOP BAR-LEFT TURN LANES	50.0				25.0		
WB 710+25.8 TO 710+52.1	REFRESH LINE BETWEEN INSIDE AND OUTSIDE LEFT TURN LANES	67.1		201.3				
WB 710+52.1 TO 710+78.8	"ARROW"-RIGHT TURN LANE	20.7					20.7	
WB 710+78.8 TO 711+36.3	"ONLY"-RIGHT TURN LANE	15.8					15.8	
WB 711+36.3 TO 711+36.3	"ARROW"-LEFT TURN LANE	20.7					20.7	
WB 711+36.3 TO 711+36.3	"ONLY"-LEFT TURN LANE	15.8					15.8	
WB 711+36.3 TO 711+36.3	"ARROW"-LEFT TURN LANE	20.7					20.7	
WB 711+36.3 TO 711+36.3	"ONLY"-LEFT TURN LANE	15.8					15.8	
WB 711+36.3 TO 711+36.3	"ONLY"-LEFT TURN LANE	15.8					15.8	
WB 709+62.4 TO 733+93.5	RT EDGE OF PAVEMENT	810.4	2431.1					
WB 709+62.4 TO 733+93.5	HATCHING	62.4			62.4			
SUBTOTALS		11345	19913	8196	1129	259	329	1354

TEMPORARY PAVEMENT MARKING SCHEDULE

(EASTBOUND IL 13)

STATION TO STATION	LOCATION	WORK ZONE PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING					SHORT TERM PAVEMENT MARKING
			LINE 4" WHITE	LINE 4" YELLOW	LINE 12" WHITE	LINE 24" WHITE	LETTERS & SYMBOLS WHITE	
			SQ FT	FOOT	FOOT	FOOT	SQ FT	
EASTBOUND IL 13								
PENTECOST	ADDITIONAL QUANTITY FOR STAGING	127.0	165			36		
BAINBRIDGE	ADDITIONAL QUANTITY FOR STAGING	241.3	400			54		
WB 631+25.0 TO 732+37.0	SHORT TERM QUANTITY						1324	
EB 631+35.0 TO 639+00.0	HATCHING IN FUTURE MERGE LANE	529.1		529.1				
EB 631+35.0 TO 732+37.0	SKIP BETWEEN OUTSIDE AND CENTER LANES	841.8	2525.5					
EB 631+35.0 TO 732+37.0	REFRESH SKIP BETWEEN INSIDE AND CENTER LANES	841.8	2525.5					
EB 631+35.0 TO 651+46.0	REFRESH LT EDGE OF PAVEMENT	670.3		2011.0				
EB 631+35.0 TO 681+12.0	OUTSIDE EDGE OF PAVEMENT AND RT. TURN LANE	1659.0	4977.0					
EB 651+46.0 TO 686+19.6	LT EDGE OF PAVEMENT	0.0						
EB 654+75.0 TO 672+10.5	HATCHING IN MEDIAN	1046.5	1735.5		468.0			
EB 651+46.0 TO 656+65.0	LT EDGE OF DECELERATION LANE	173.0	0.0	519.0				
EB 654+75.0 TO 657+61.1	RT EDGE OF DECELERATION LANE	95.4	286.1					
EB 654+65.0	"ONLY"-DECELERATION LANE	20.7				20.7		
EB 655+21.0	"ARROW"-DECELERATION LANE	15.8				15.8		
EB 658+65.0	"ONLY"-DECELERATION LANE	20.7				20.7		
EB 659+21.0	"ARROW"-DECELERATION LANE	15.8				15.8		
EB 660+46.0	STOP BAR-DECELERATION LANE	28.0				14.0		
EB 667+31.0 TO 672+10.5	RIGHT EDGE OF ACCELERATION LANE	159.8	479.5					
EB 677+52.0 TO 680+84.0	LEFT EDGE OF PAVEMENT	110.7		332.0				
EB 678+12.0 TO 681+27.0	LEFT EDGE OF RIGHT TURN LANE	105.0	315.0					
EB 678+18.0	"ONLY"-RIGHT TURN LANE	20.7				20.7		
EB 678+75.0	"ARROW"-RIGHT TURN LANE	15.8				15.8		
EB 681+00.0	STOP BAR-THREE THRU LANES	74.0				37.0		
EB 681+27.0 TO 681+68.0	SW ISLAND	166.1	140.0		119.4			
EB 681+34.0	STOP BAR-RT TURN LANE	28.0				14.0		
EB 681+80.0	BETWEEN NB AND SB PENTECOST	38.2		114.5				
EB 681+86.0	STOP BAR-NB PENTECOST	24.0				12.0		
EB 681+92.0 TO 682+33.0	SE ISLAND	161.7	149.0		112.0			
EB 682+23.0	STOP BAR-RT TURN LANE PENTECOST	36.0				18.0		
EB 682+25.0 TO 686+19.6	LEFT EDGE OF PAVEMENT	131.5		394.6				
EB 682+66.6 TO 707+60.0	RT EDGE OF PAVEMENT AND RT TURN LANE	831.1	2493.4		0.0			
EB 686+19.6 TO 708+24.8	REFRESH LT EDGE OF PAVEMENT	735.1		2205.2				
EB 703+98.0 TO 708+26.2	RT SIDE OF LEFT TURN LANE	142.7	428.2					
EB 704+11.0	"ONLY"-LEFT TURN LANE	20.7				20.7		
EB 704+69.0	"ARROW"-LEFT TURN LANE	15.8				15.8		
EB 704+55.0 TO 707+75.0	LEFT EDGE LINE OF RIGHT TURN LANE	106.7	320.0			0.0		
EB 704+70.0	"ONLY"-RIGHT TURN LANE	20.7				20.7		
EB 704+96.0	"ARROW"-RIGHT TURN LANE	15.8				15.8		
EB 706+09.8	"ONLY"-LEFT TURN LANE	20.7				20.7		
EB 706+67.0	"ARROW"-LEFT TURN LANE	15.8				15.8		
EB 706+70.0	"ONLY"-RIGHT TURN LANE	20.7				20.7		
EB 706+95.0	"ARROW"-RIGHT TURN LANE	15.8				15.8		
EB 707+86.0 TO 708+18.5	HATCHING BETWEEN INSIDE THRU AND LEFT TURN LANES	44.3	39.9		31.0			
EB 708+16.5	STOP BAR-LEFT TURN LANE	28.0				14.0		
EB 708+25.7	STOP BAR-THREE THRU LANES	72.0				36.0		
EB 708+19.5	STOP BAR-RIGHT TURN LANE	36.0				18.0		
EB 707+72.8 TO 708+46.9	SW ISLAND	258.4	260.0		171.7			
EB 708+59.0	BETWEEN TWO SB BAINBRIDGE LANES	24.3	73.0					
EB 708+82.0	STOP BAR-NB BAINBRIDGE INSIDE THRU LANE	24.0				12.0		
EB 708+93.0	STOP BAR-NB BAINBRIDGE OUTSIDE THRU LANE	24.0				12.0		
EB 708+98.8 TO 709+47.4	SE ISLAND	144.1	174.2		86.0			
EB 709+36.4	STOP BAR-RT TURN LANE BAINBRIDGE	36.0				18.0		
EB 709+81.5 TO 732+37.0	RIGHT EDGE OF PAVEMENT	751.8	2255.5					
EB 709+35.7 TO 729+37.1	REFRESH LT EDGE OF PAVEMENT	667.1		2001.4				
EB 729+90.0 TO 732+37.0	HATCHING IN FUTURE RIGHT TURN LANE	128.2			128.2			
EB 663+95.6	LEFT TURN LANE	15.8				15.8		
EB 664+52.2	LEFT TURN LANE	20.7				20.7		
SUBTOTALS		11634	19742	7578	1645	295	1324	
TOTALS		22979	55429	2774	554	621	2678	

EARTHWORK SCHEDULE

LOCATION STAGE OF CONSTRUCTION	EARTH EXCAVATION	EMBANKMENT	SHRINKAGE FACTOR	EXCAVATION ADJUSTED FOR SHRINKAGE	EXCESS EXCAVATION	EXCAVATION REQUIRED TO COMPLETE	BORROW EXCAVATION*	COMMENTS
	CU YD	CU YD		CU YD	CU YD	CU YD	CU YD	
FAP RT. 331 (IL 13)								
WESTBOUND	18767	12597	0.71	13325	728			
EASTBOUND	17468	20625	0.71	12402		8223	8844	728 CU YD FROM WESTBOUND
MEDIAN	3019	516	0.57	1721	1205			
TOTALS	39254						8844	

* A SWELL FACTOR OF 1.18 WAS USED TO CALCULATE BORROW EXCAVATION.
SWELL FACTORS ARE FOR INFORMATION ONLY.

TEMPORARY CONCRETE BARRIER SCHEDULE

LOCATION STATION TO STATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER
	FOOT	FOOT
FAP 331 (IL 13)		
MEDIAN STAGE I		
EB 647+00 TO 674+00	2700.0	
WB 651+00 TO 678+00	2700.0	
MEDIAN STAGE II		
EB 670+00 TO 691+50		2150.0
WB 674+00 TO 695+50		2150.0
TOTALS	5400	4300

SEEDING SCHEDULE

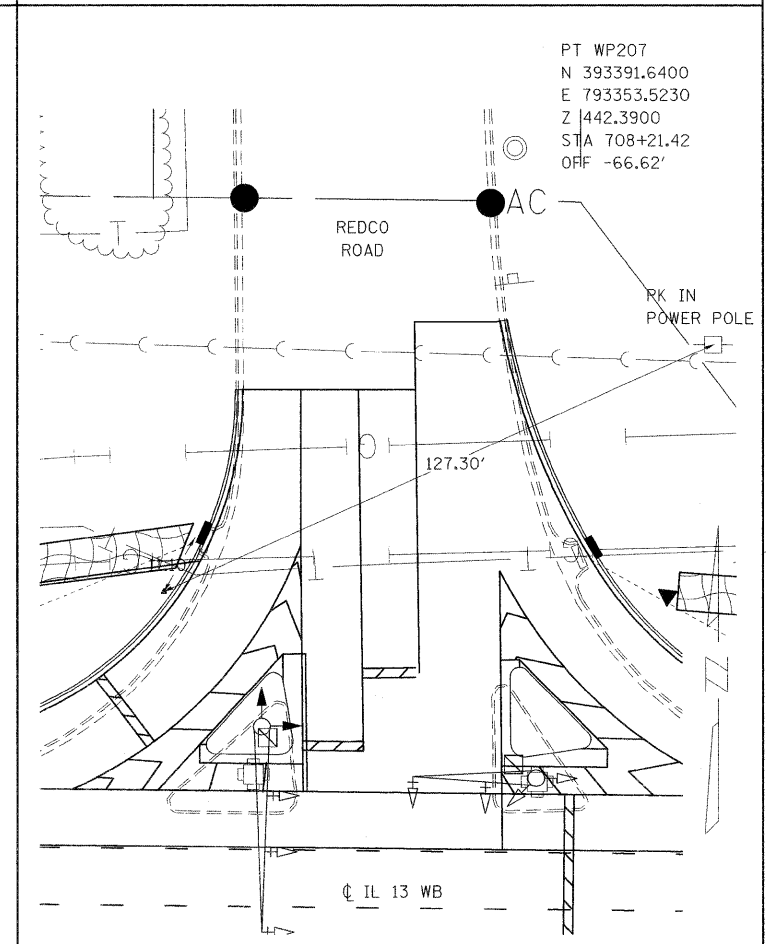
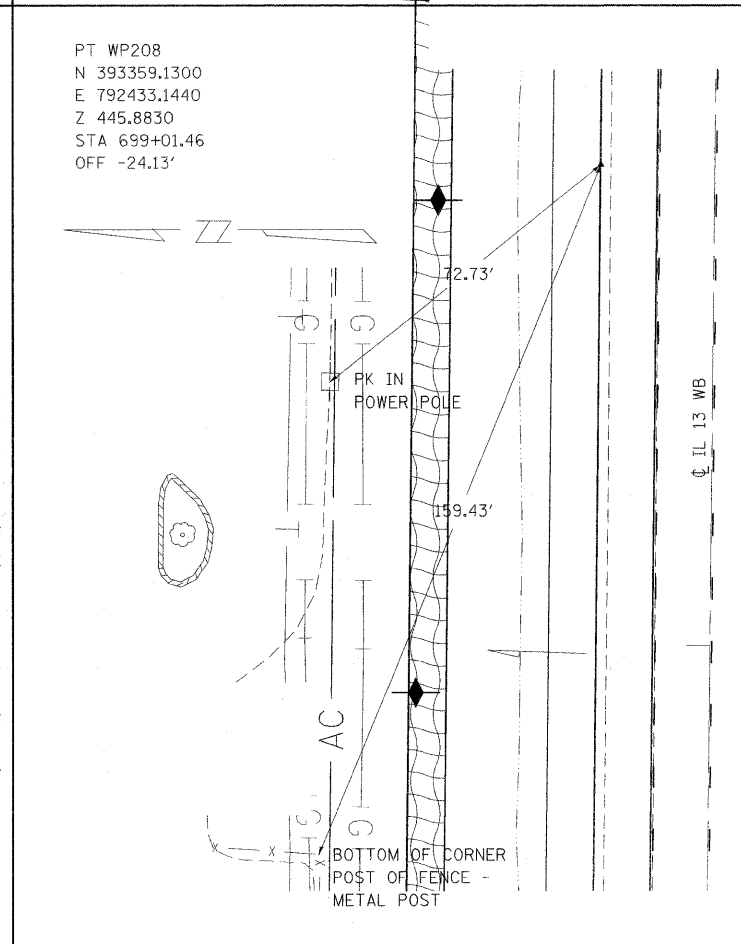
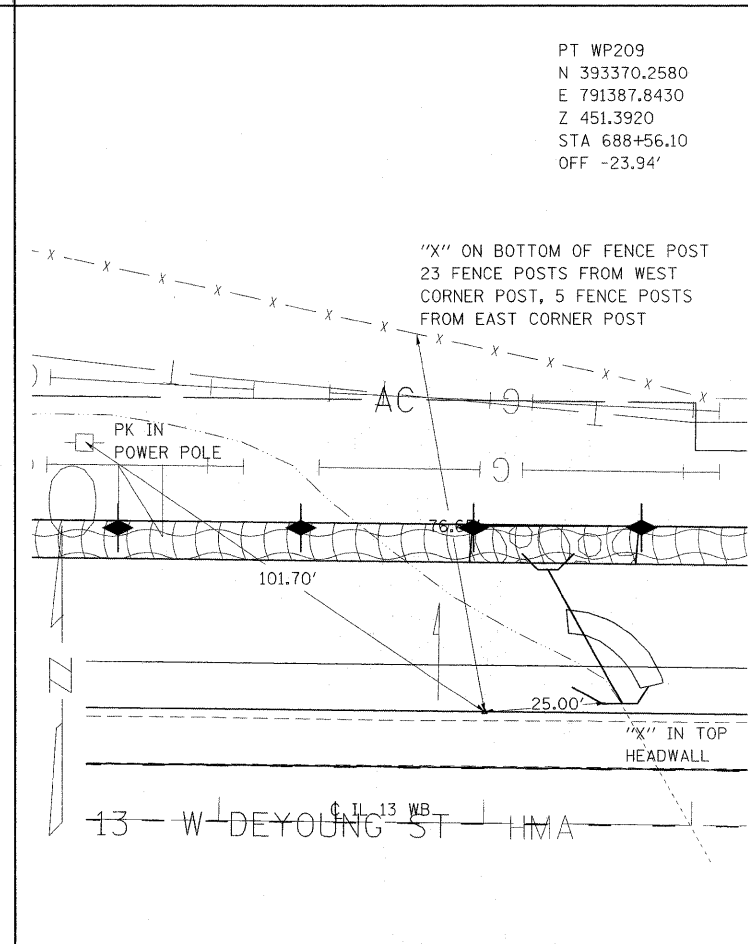
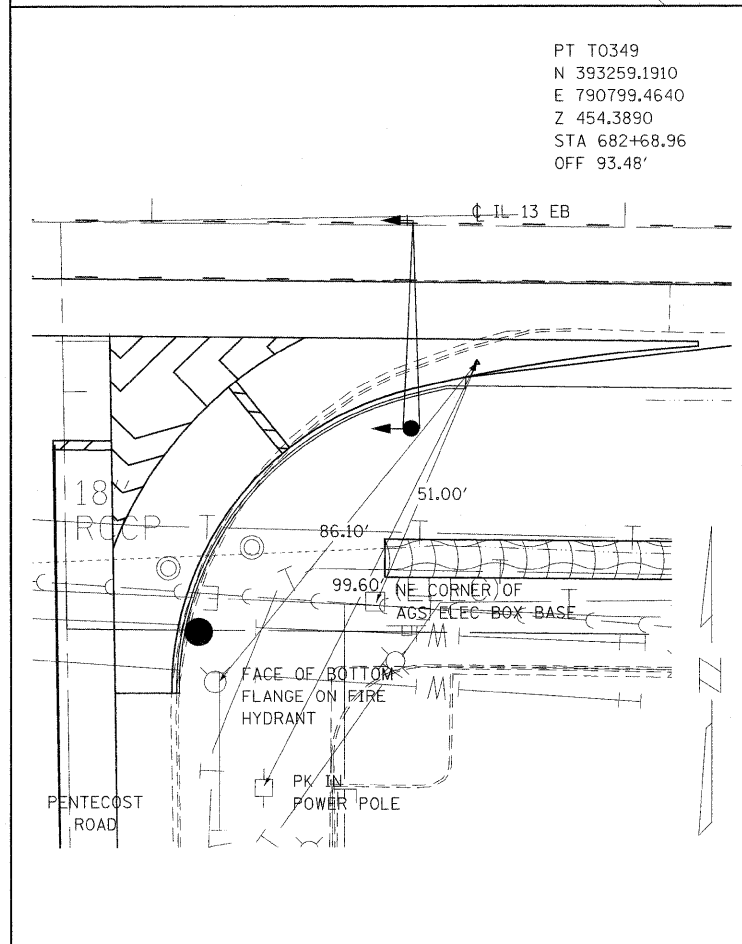
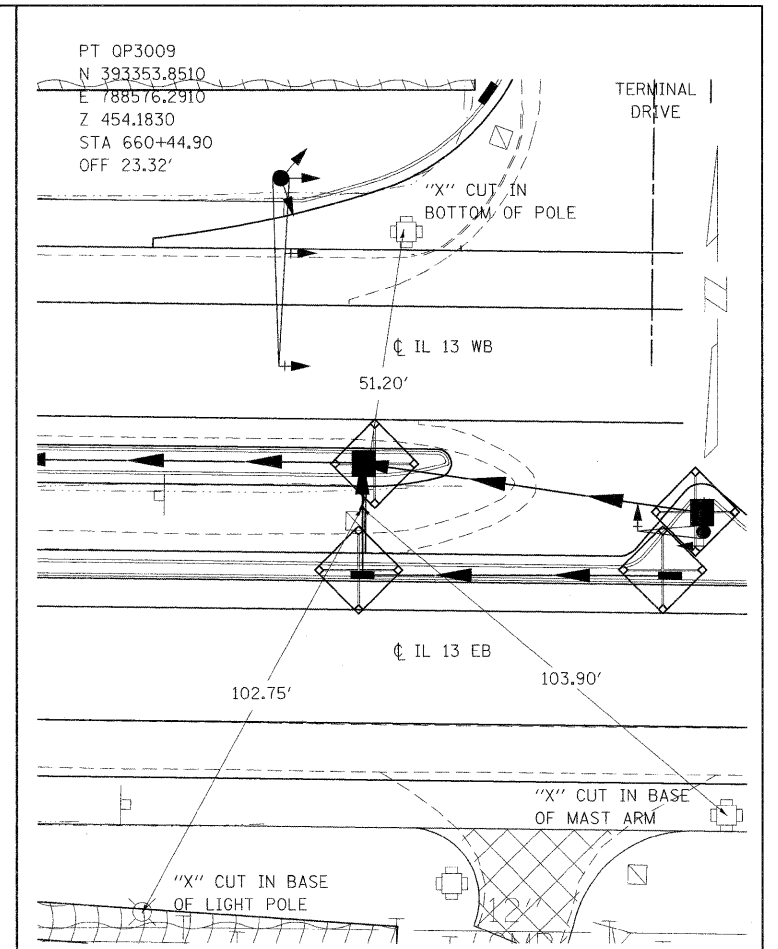
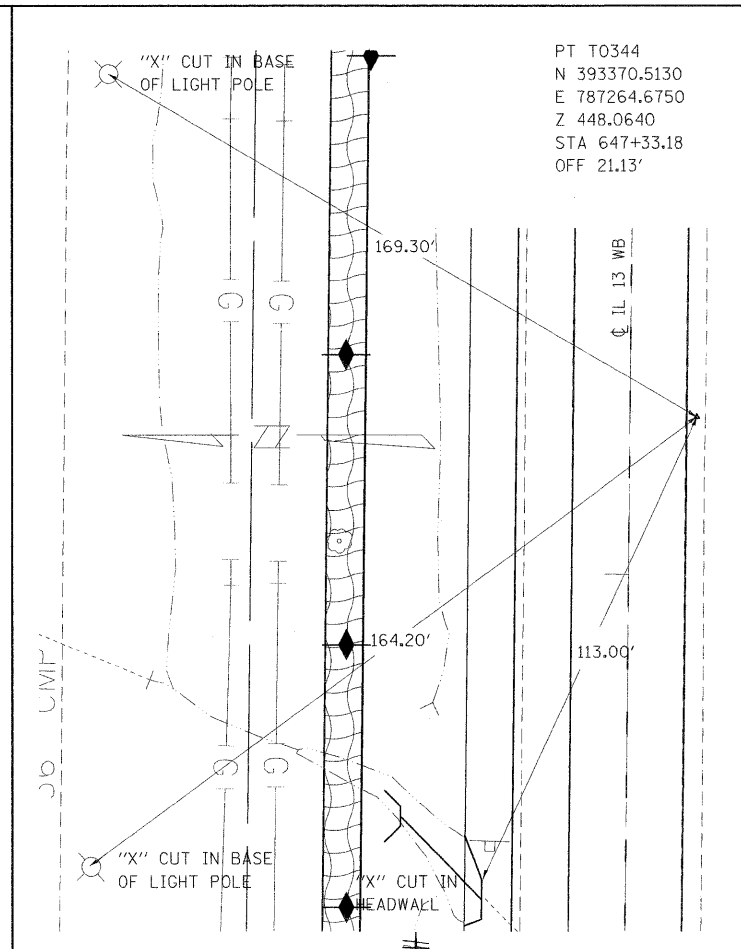
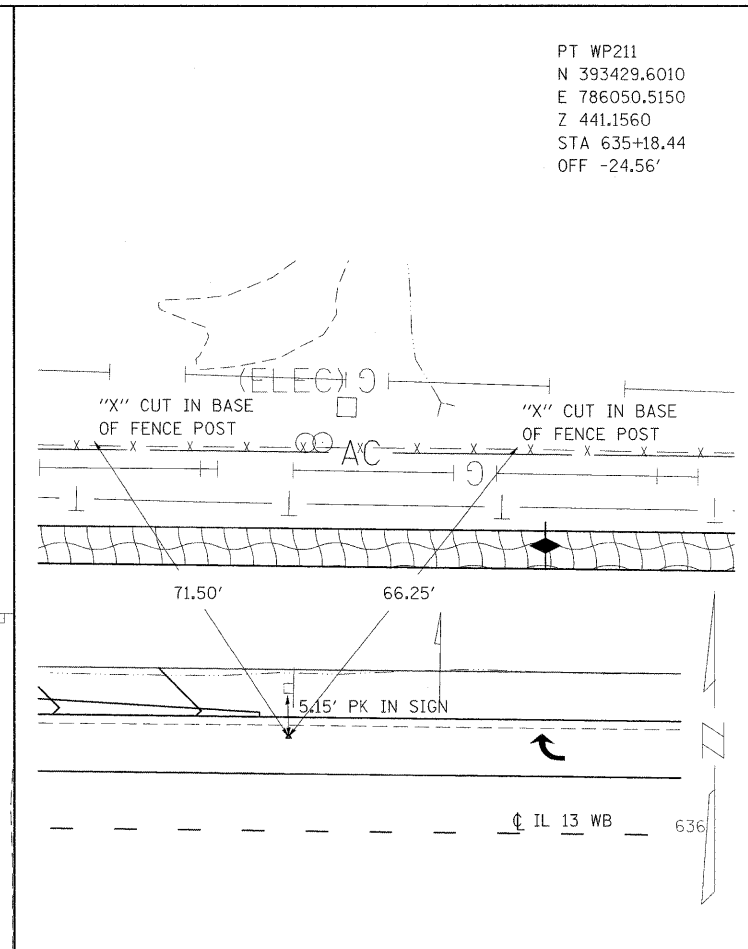
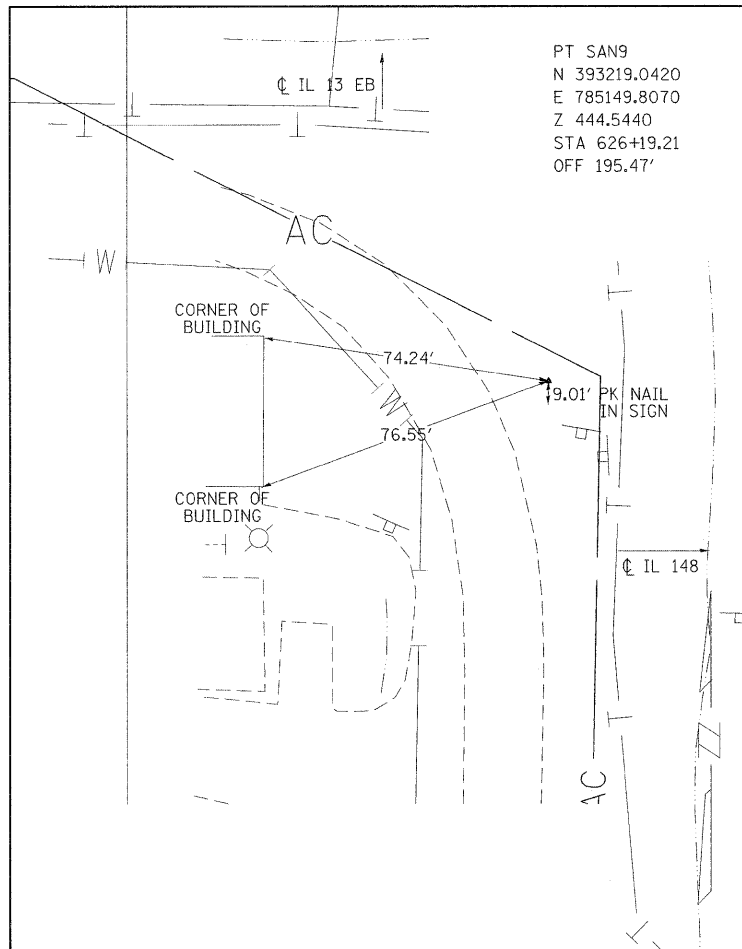
STATION TO STATION	LOCATION	SEEDING CLASS 2 (MODIFIED)	SEEDING CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH METHOD 2	EROSION CONTROL BLANKET	TEMPORARY DITCH CHECKS	TEMPORARY EROSION CONTROL SEEDING
		ACRE	ACRE	POUND	POUND	POUND	TON	TON	SQ YD	FEET	POUND
WESTBOUND											
630+00.00 TO 659+00.00	MAINLINE SEEDING	2.42	2.42	435.6	217.8	217.8	4.84	4.8	1245	336	484.0
TERMINAL ROAD	NW QUAD	0.09	0.09	15.9	10.6	10.6	0.18	0.2			17.6
TERMINAL ROAD	NE QUAD	0.05	0.05	9.1	6.1	6.1	0.10	0.1			10.1
662+00.00 TO 707+00.00	MAINLINE SEEDING	3.53	3.53	635.4	423.6	423.6	7.06	7.1	1734	528	706.0
REDCO	NW QUAD	0.16	0.16	28.5	19.0	19.0	0.32	0.3			31.7
REDCO	NE QUAD	0.09	0.09	16.6	11.1	11.1	0.18	0.2			18.5
710+00.00 TO 734+00.00	MAINLINE SEEDING	2.60	2.60	468.0	312.0	312.0	5.20	5.2	1023	264	520.0
SUBTOTALS		8.94	8.94	1609.2	1000.2	1000.2	17.88	17.9	4002	1128	1788.0
EASTBOUND											
631+00.00 TO 681+00.00	MAINLINE SEEDING	4.75	4.75	855.0	570.0	570.0	9.50	9.5	1629	432	950.0
PENTECOST ROAD	SW QUAD	0.05	0.05	8.1	5.4	5.4	0.09	0.1			9.0
PENTECOST ROAD	SE QUAD	0.04	0.04	6.4	4.3	4.3	0.07	0.1			7.2
683+00.00 TO 707+00.00	MAINLINE SEEDING	2.00	2.00	360.0	240.0	240.0	4.00	4.0	1067	240	400.0
BAINBRIDGE TRAIL	SW QUAD	0.10	0.10	18.5	12.3	12.3	0.21	0.2			20.6
BAINBRIDGE TRAIL	SE QUAD	0.06	0.06	10.6	7.1	7.1	0.12	0.1			11.8
710+00.00 TO 733+00.00	MAINLINE SEEDING	2.31	2.31	415.8	277.2	277.2	4.62	4.6	756	336	462.0
SUBTOTALS		9.30	9.30	1674.5	1116.3	1116.3	18.61	18.6	3452	1008	1860.5
MEDIAN											
651+00.00 TO 656+75.00	MAINLINE SEEDING	0.14	0.14	25.2	16.8	16.8	0.28	0.3	511	60	28.0
686+00.00 TO 691+50.00	MAINLINE SEEDING	0.10	0.10	18.0	12.0	12.0	0.20	0.2	488.9	60	20.0
SUBTOTALS		0.24	0.24	43.2	28.8	28.8	0.48	0.5	1000	120	48.0
TOTALS		18.5	18.5	3326.8	2145.3	2145.3	37.0	37.0	8454.0	2256	3696.5

STORM SEWER SCHEDULE

LOCATION	STORM SEWERS, CLASS A				FLUSH INLET BOX FOR MEDIAN STANDARD 542546 EACH	MANHOLES, TYPE A, 4' -DIAMETER TYPE 1 FRAME, CLOSED LID EACH	INLETS, SPECIAL, TYPE 3 EACH	POROUS GRANULAR BACKFILL CU YD	INLET AND PIPE PROTECTION EACH
	TYPE 1 12" FOOT	TYPE 2							
		12" FOOT	15" FOOT	18" FOOT					
645+72 TO 645+83				11				3	
645+84.5 TO 645+86					1				1
649+35 TO 649+37			347			1		72	
652+85 TO 652+87			346			1		72	
656+66 TO 656+69			90				1	78	1
657+62 TO 657+65		18					2	40	2
659+10 TO 659+13		142					2	6	2
660+42 TO 660+45		18					2	6	2
660+48 WB TO 661+07 WB		129					2	56	
660+48 EB TO 661+07 EB		18					2	6	2
661+10 TO 662+35	18						2	24	
662+38 TO 663+29	91						2	18	2
663+32 TO 663+35		18					2	3	2
664+63 TO 664+66		128					2	18	
664+69 TO 665+78.5		18	110				2	4	2
665+83.5 TO 665+97			14				2	6	2
666+00 TO 666+03		18					2	44	
667+31 TO 667+34			128				2	7	2
667+37 TO 667+39		18					2	18	
667+86 TO 667+89			49				2	56	2
667+92 TO 668+40			49				1	7	1
668+43 TO 668+47							1	20	1
669+01 TO 669+04		54					1	19	1
669+07 TO 669+86		79					1	23	1
669+89 TO 669+92		79					1	19	1
670+71 TO 670+74							1	10	1
671+26 TO 671+29	49						1	9	1
671+32 TO 671+81	49						1	8	1
671+84 TO 671+87	54						1	8	1
672+44 TO 672+47							1	1	1
673+02 TO 673+51		49					1	13	1
673+54 TO 673+57			124				1	39	1
674+81 TO 674+84			64				1	23	1
675+51 TO 675+54		18					2	4	2
675+57 TO 676+85		128					2	48	
676+88 TO 676+91		18					2	7	2
676+94 TO 678+22							2	2	2
678+25 TO 679+53	22						2	24	
679+56 TO 679+59	126						2	4	2
680+86 TO 680+89		127					2	34	
680+92 TO 681+67		18					2	5	2
681+70 TO 681+73 WB			75				2	23	2
681+73 EB TO 682+31 WB		58						15	
681+73 EB TO 682+31 EB			58					18	
682+34 TO 682+37		18					2	5	2
683+77 TO 683+80			140				2	47	
683+83 TO 685+24		18					2	6	2
685+27 TO 685+30		18					2	50	
686+17 TO 686+20				141			2	6	2
686+23 TO 688+97				87			1	30	
688+98.5 TO 689+15				274				65	1
689+00 TO 727+38.5 EB			24	15	1			4	
TOTALS	411	1513	1806	528	2	2	49	1248	51

PIPE UNDERDRAIN SCHEDULE

LOCATION	PIPE UNDERDRAIN REMOVAL (SPECIAL)	PIPE UNDERDRAINS 4"	PIPE UNDERDRAINS 4"(SPECIAL)	CONCRETE HEADWALL FOR PIPE DRAINS
	FOOT	FOOT	EACH	EACH
EASTBOUND				
631+35.00 TO 732+37.00		10102		
631+26.00 TO 673+05.00	4179			
631+50.00	14		14	1
635+50.00	14		14	1
640+00.00	14		14	1
644+50.00	14		14	1
649+50.00	14		14	1
654+50.00	14		14	1
662+82.00	14		14	1
666+54.00	14		14	1
676+00.00	14		14	1
688+50.00	14		14	1
688+53.00 TO 734+75.00	4622			
693+50.00	14		14	1
698+00.00	14		14	1
702+00.00	14		14	1
706+50.00	14		14	1
712+00.00	14		14	1
717+50.00	14		14	1
722+50.00	14		14	1
727+30.00	14		14	1
731+00.00	14		14	1
WESTBOUND				
630+50.00 TO 735+00.00		10450		
631+26.00 TO 660+40.00	2914			
631+50.00	14		14	1
635+50.00	14		14	1
640+00.00	14		14	1
644+50.00	14		14	1
649+50.00	14		14	1
661+60.00 TO 675+03.00	1343			
662+50.00	14		14	1
666+50.00	14		14	1
676+00.00	14		14	1
682+50.00	14		14	1
688+50.00	14		14	1
688+53.00 TO 735+00.00	4647			
693+50.00	14		14	1
698+00.00	14		14	1
702+00.00	14		14	1
706+50.00	14		14	1
712+00.00	14		14	1
717+50.00	14		14	1
722+50.00	14		14	1
727+30.00	14		14	1
731+00.00	14		14	1
TOTALS	18237		532	38



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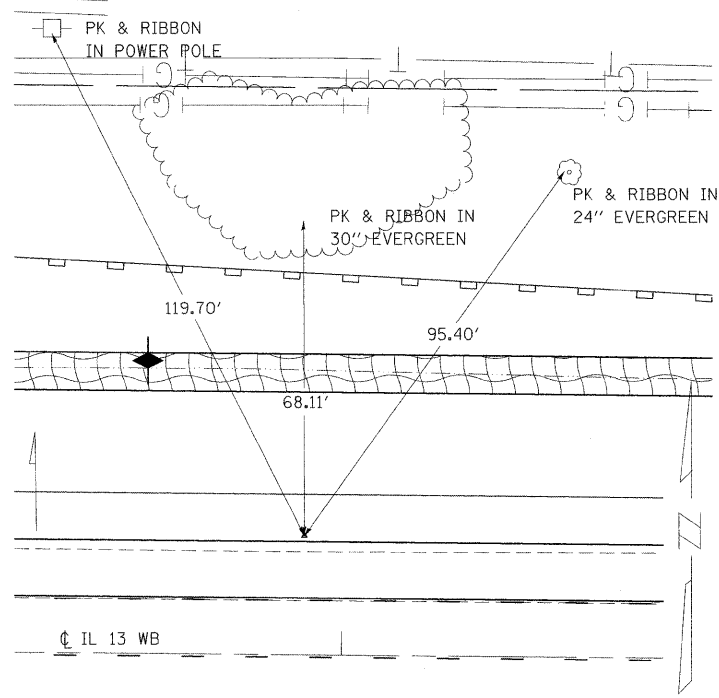
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIES, AND BENCHMARKS

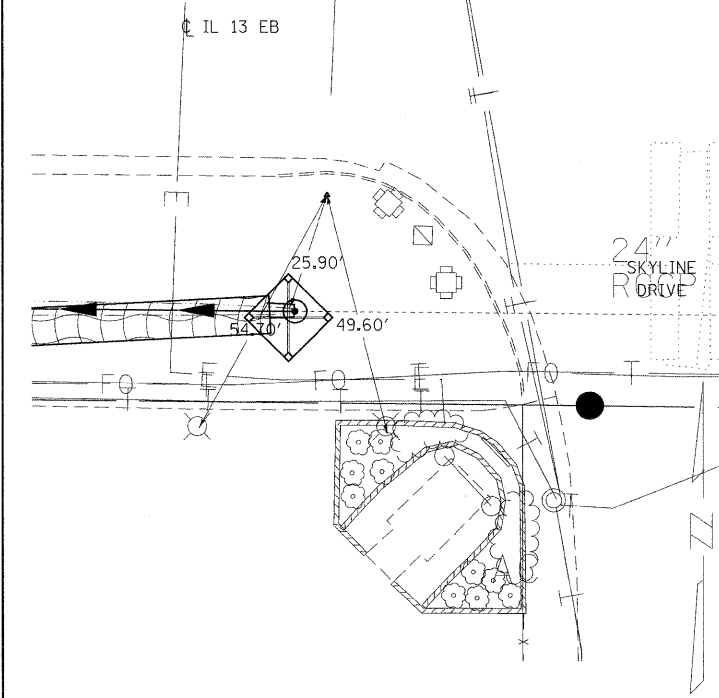
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	28
CONTRACT NO. 98857				
ILLINOIS FED. AID PROJECT				

PT WP206
 N 393327.0800
 E 795323.4710
 Z 434.1640
 STA 727+91.96
 OFF -23.83'



PT WP205
 N 393199.6700
 E 796020.6520
 Z 439.4160
 STA 734+90.51
 OFF 95.86'



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

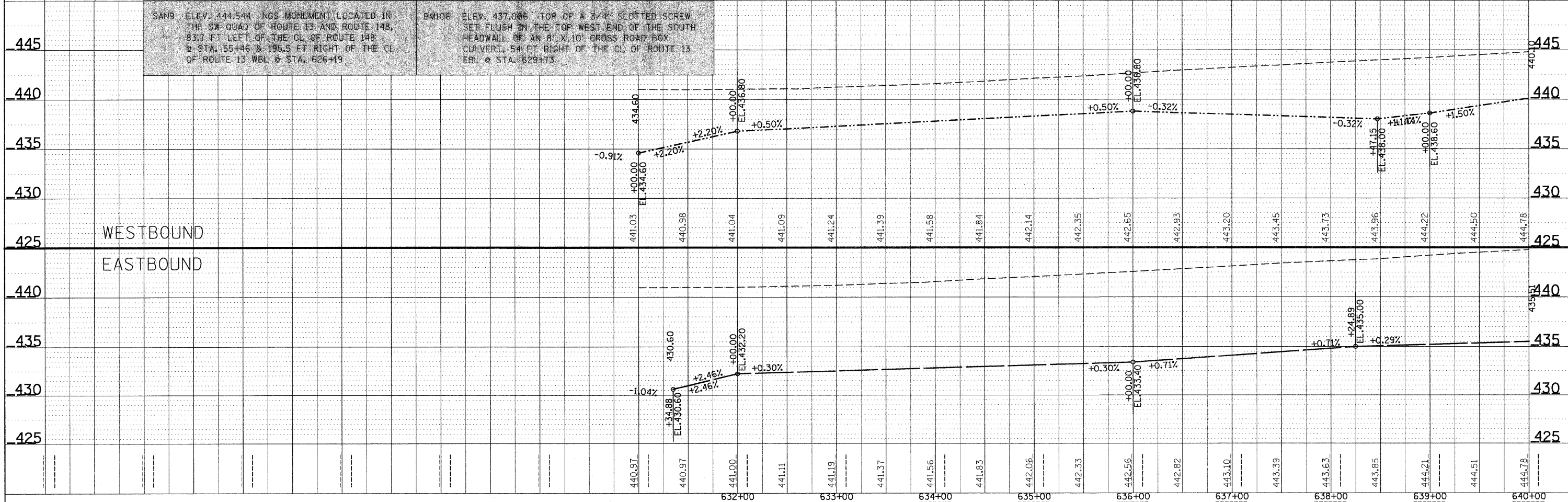
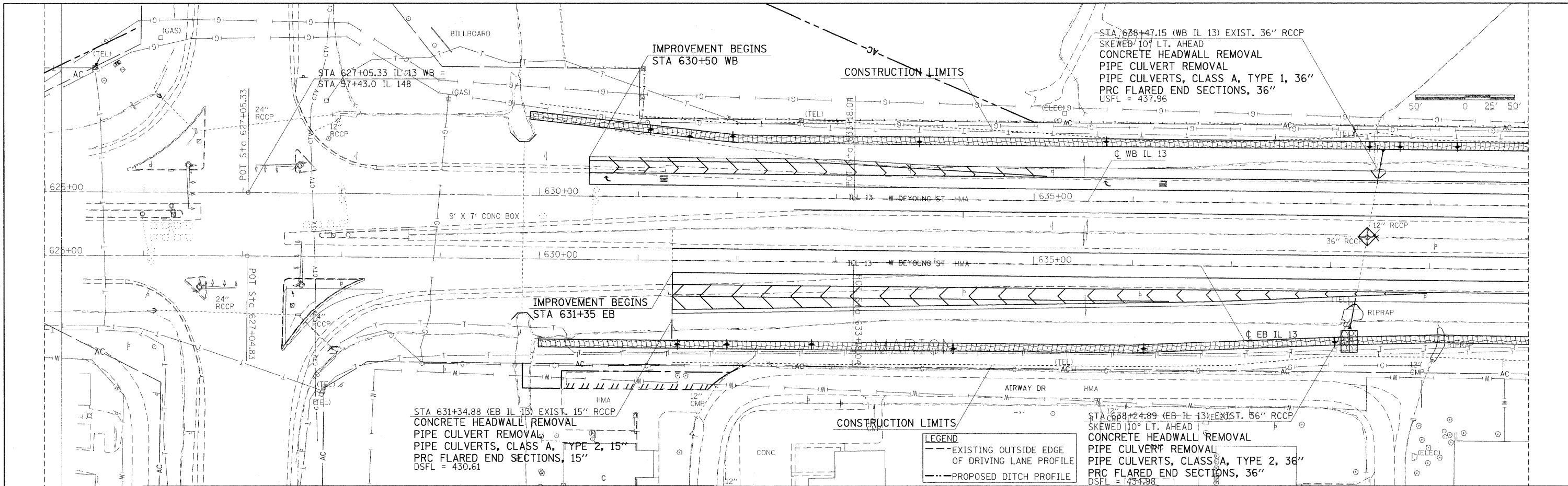
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CONTRACT NO. 98857				ILLINOIS FED. AID PROJECT

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
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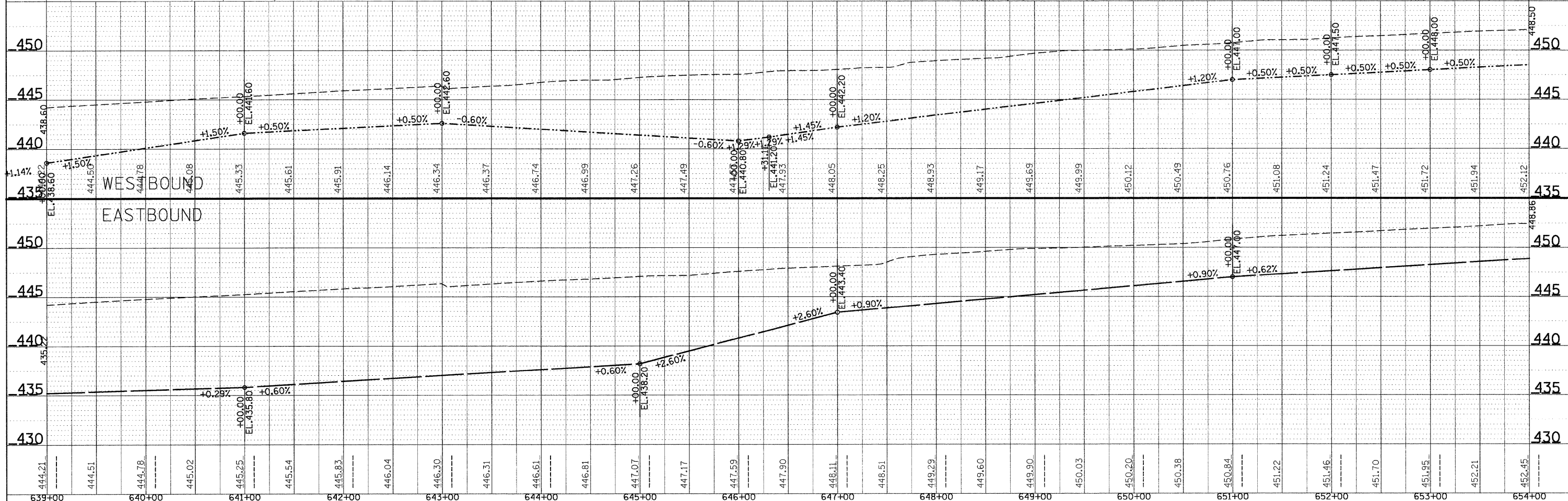
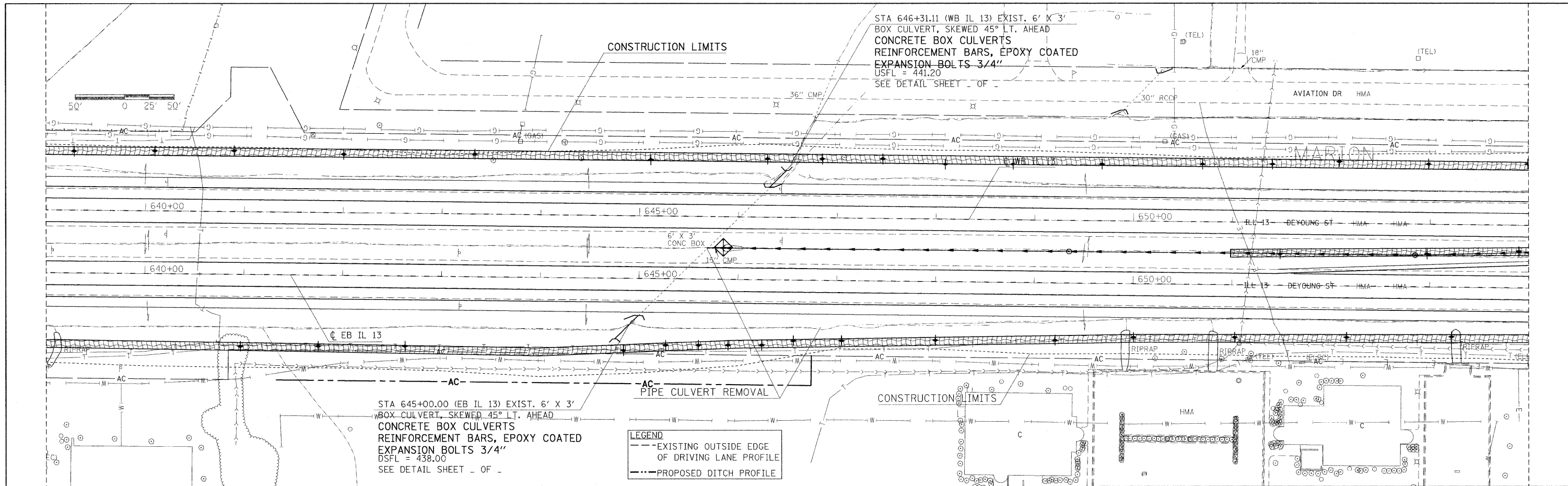
SAN9 ELEV. 444.544 NGS MONUMENT LOCATED IN THE SW QUAD OF ROUTE 13 AND ROUTE 148, 83.7 FT LEFT OF THE CL OF ROUTE 148 @ STA. 55+46 & 195.5 FT RIGHT OF THE CL OF ROUTE 13 WBL @ STA. 626+19

BM106 ELEV. 437.086 TOP OF A 3/4" SLOTTED SCREW SET FLUSH ON THE TOP WEST END OF THE SOUTH HEADWALL OF AN 8' X 10' CROSS ROAD BOX CULVERT, 54 FT RIGHT OF THE CL OF ROUTE 13 EBL @ STA. 629+73

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CONTRACT NO. 98857	SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. 625+00 TO STA. 640+00			ILLINOIS FED. AID PROJECT				
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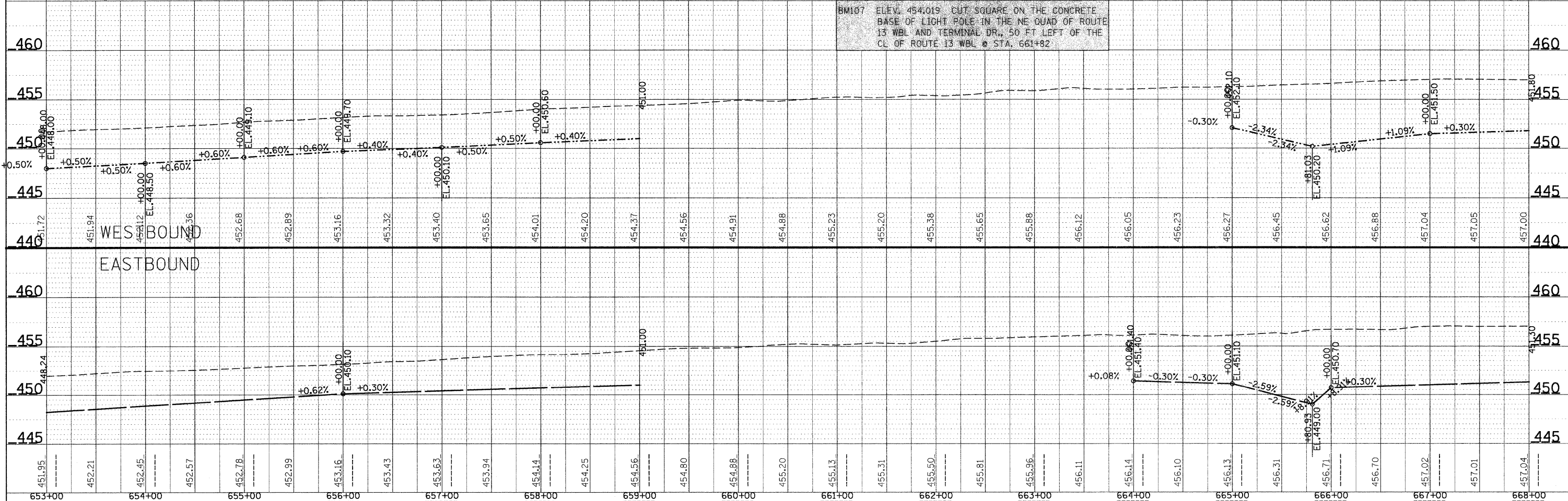
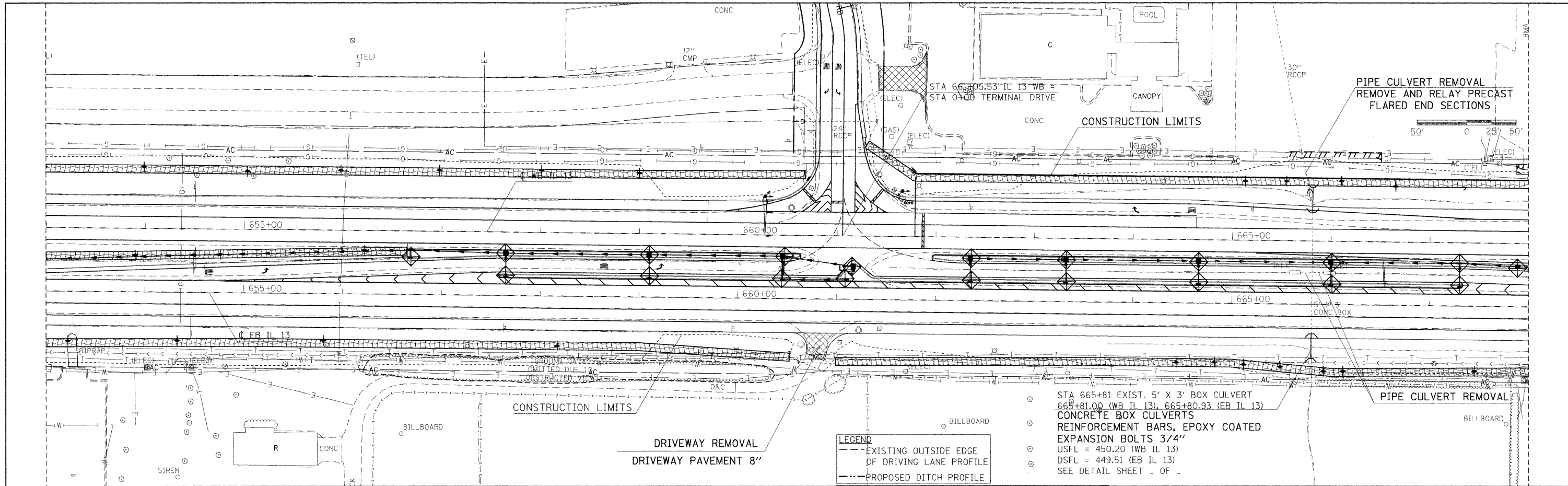
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 B.M. NOTED _____
 STRUCTURE NOTATIONS OK'D _____
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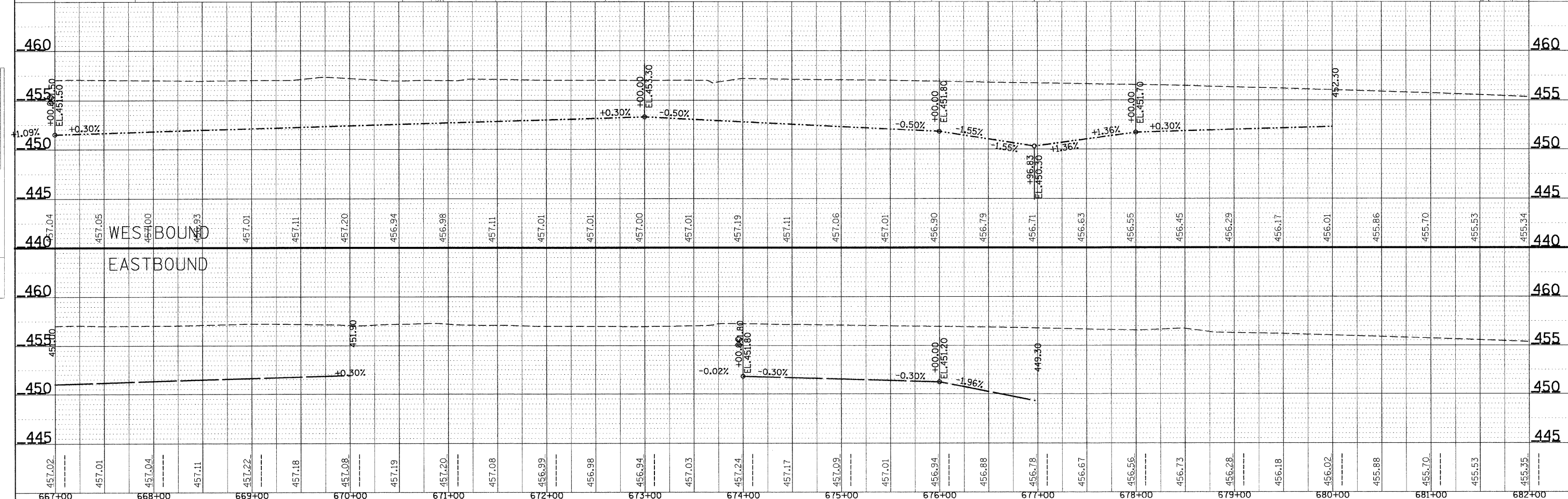
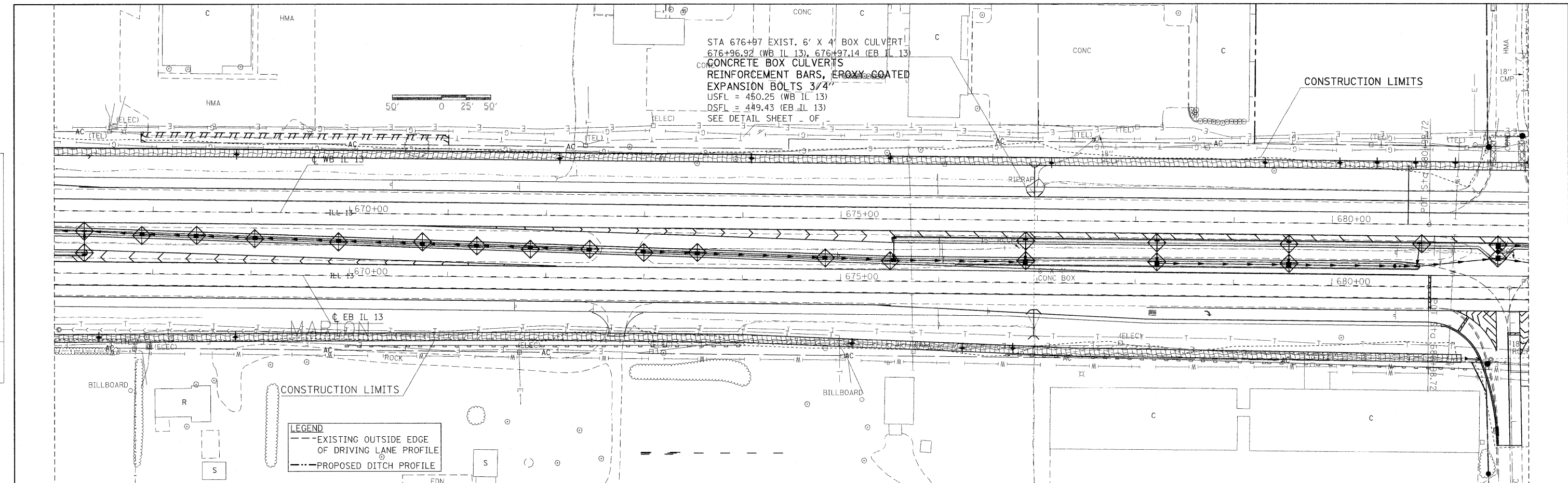
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PLOT DATE = 10/14/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

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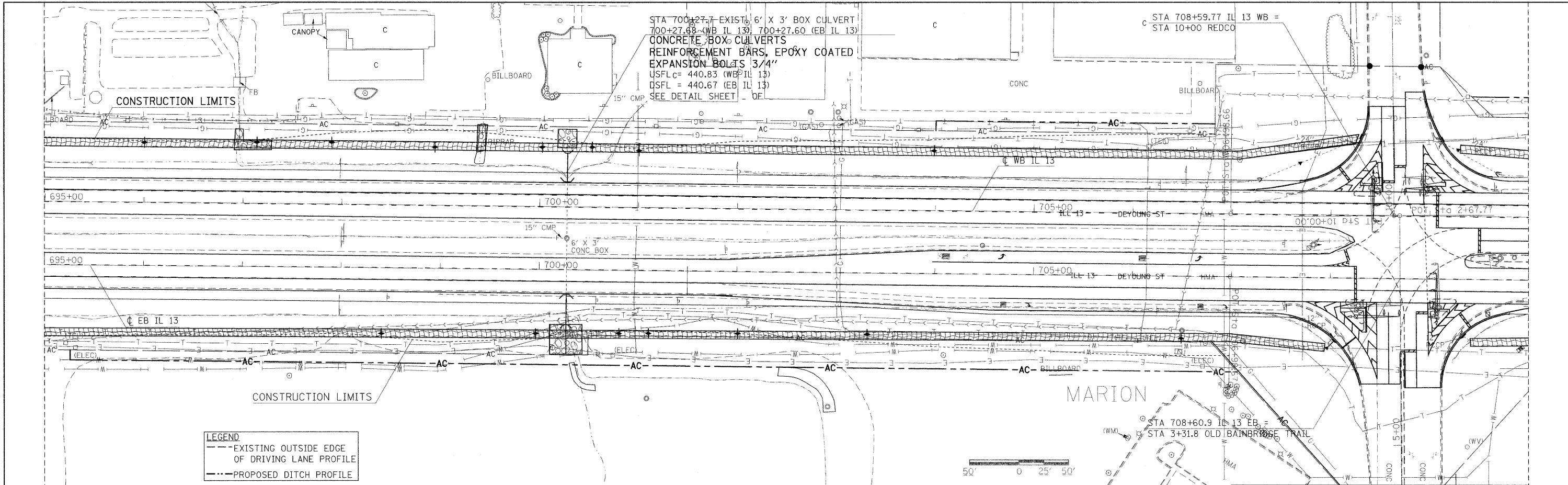
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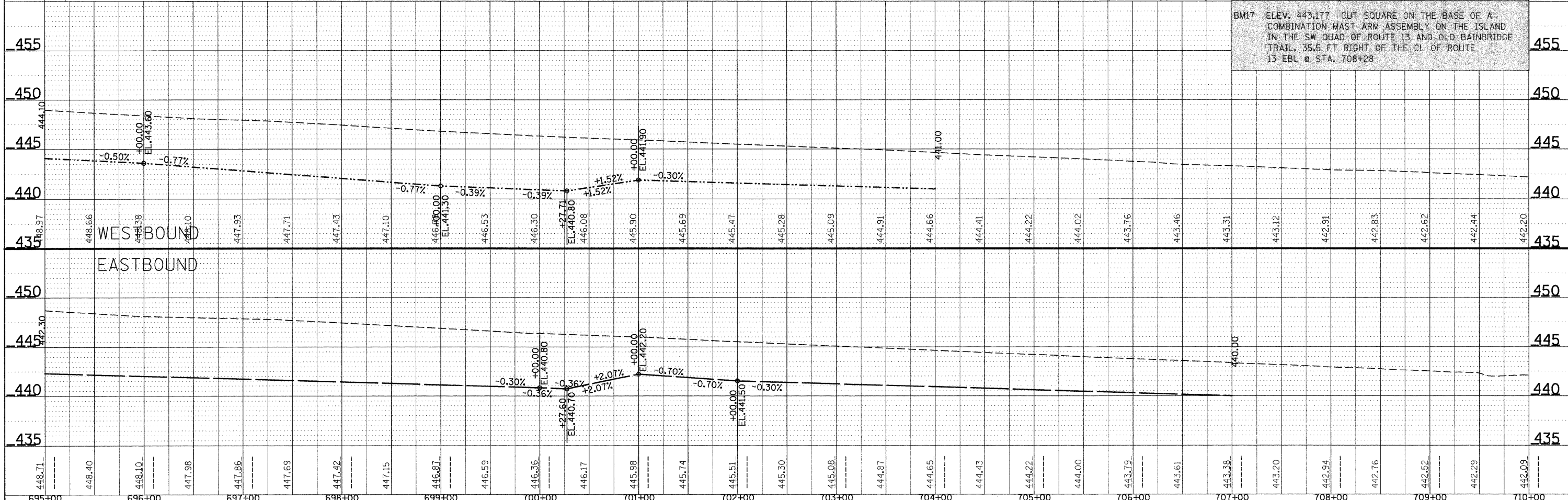
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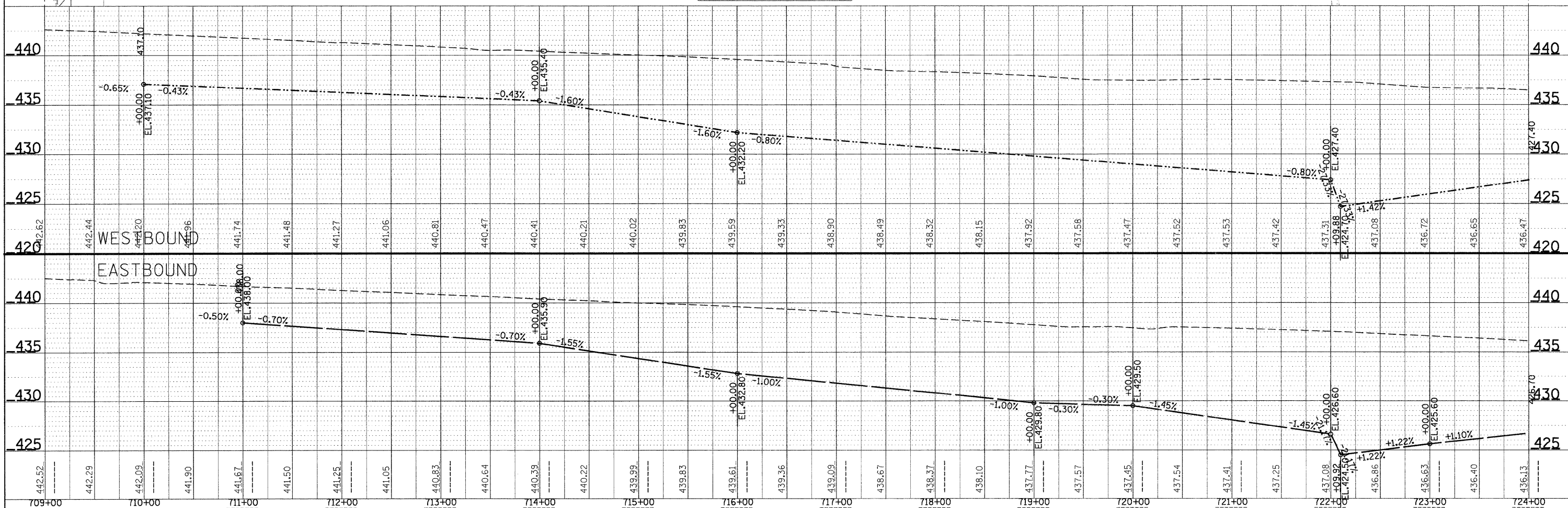
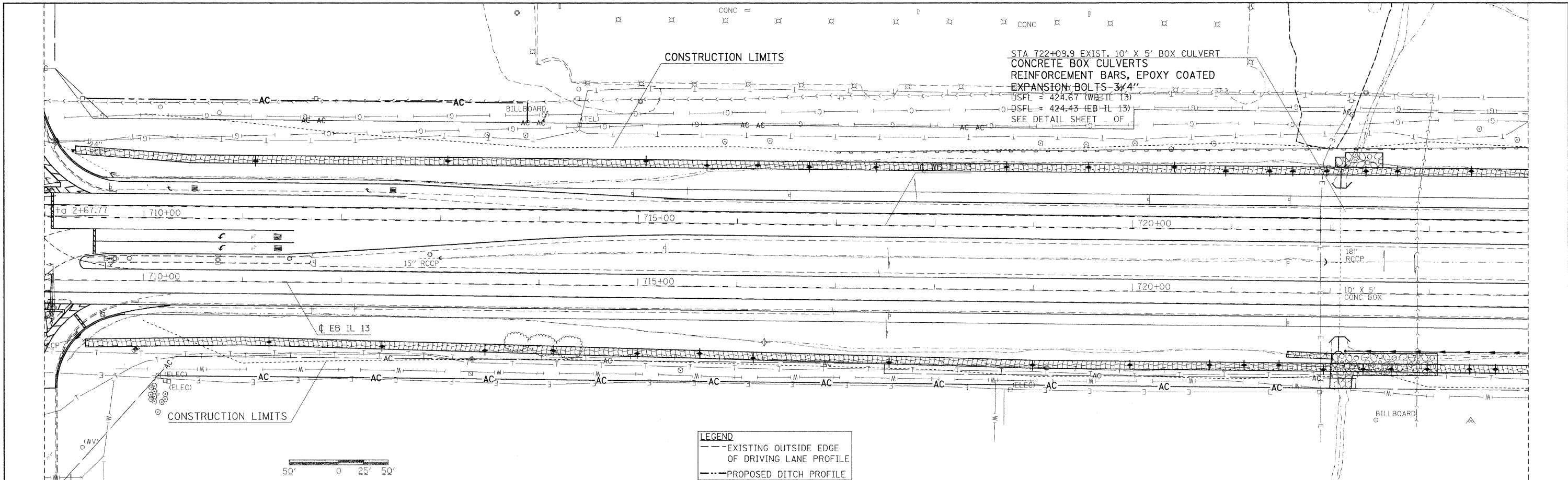
BMT ELEV. 443.177 CUT SQUARE ON THE BASE OF A COMBINATION MAST ARM ASSEMBLY ON THE ISLAND IN THE SW QUAD OF ROUTE 13 AND OLD BAINBRIDGE TRAIL, 35.5 FT RIGHT OF THE CL OF ROUTE 13 EBL @ STA. 708+28



FILE NAME =	USER NAME = shepar-dgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SHEETS		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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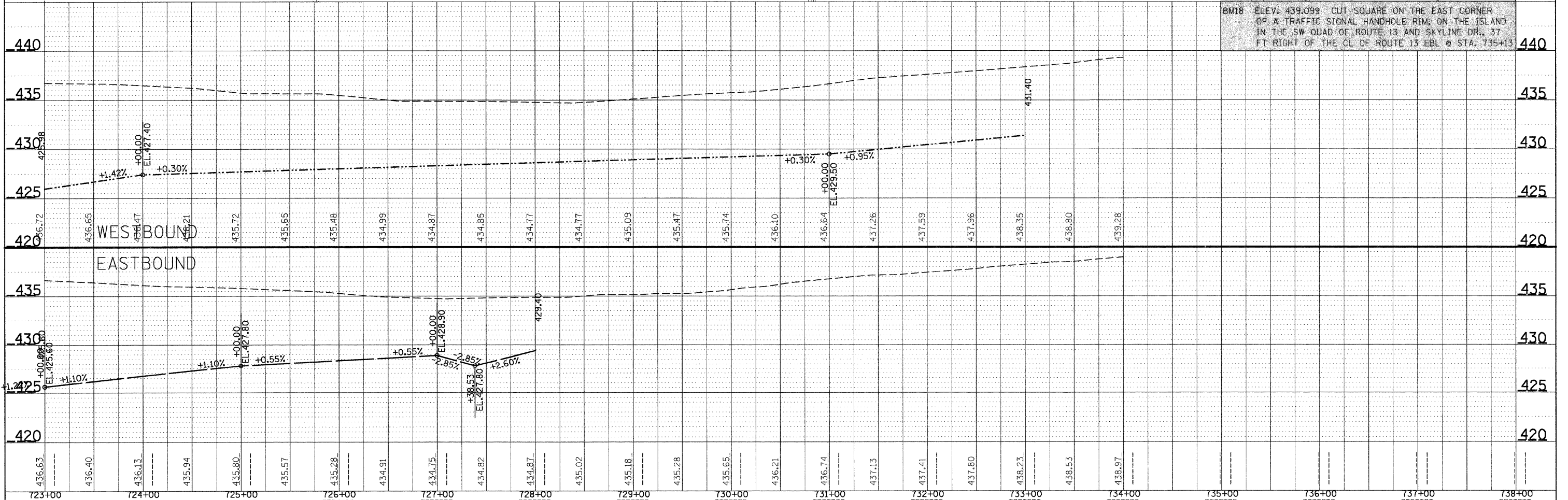
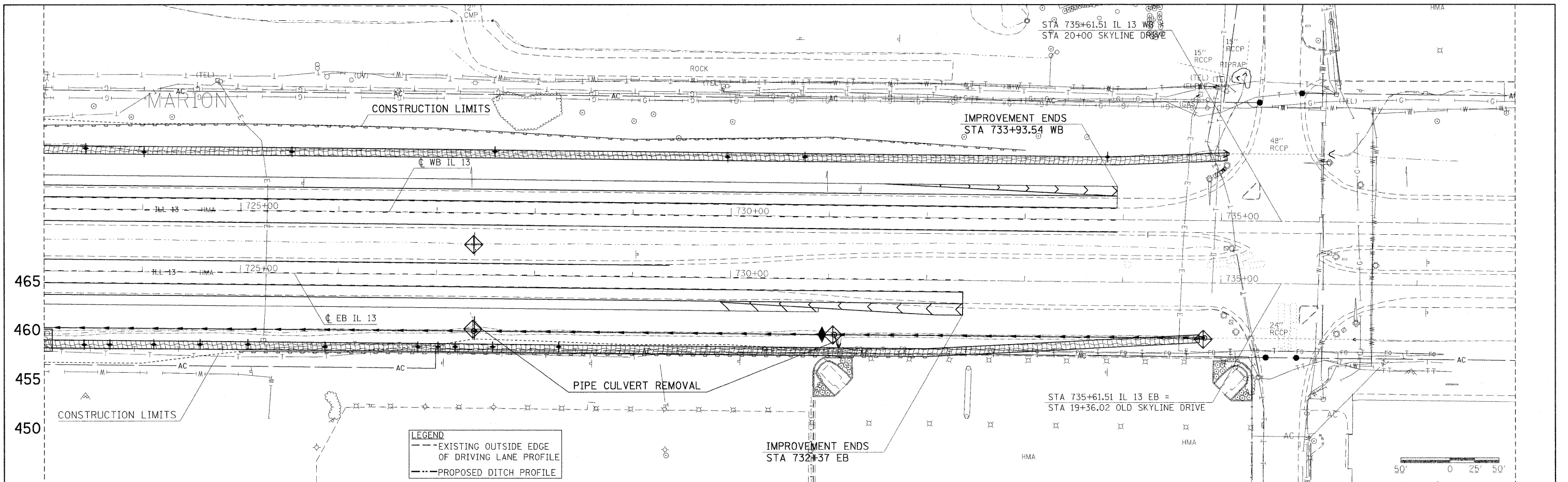
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PROFILE SURVEYED BY DATE
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 NOTE BOOK NO. OF MAY CHECKED BY DATE
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PLAN
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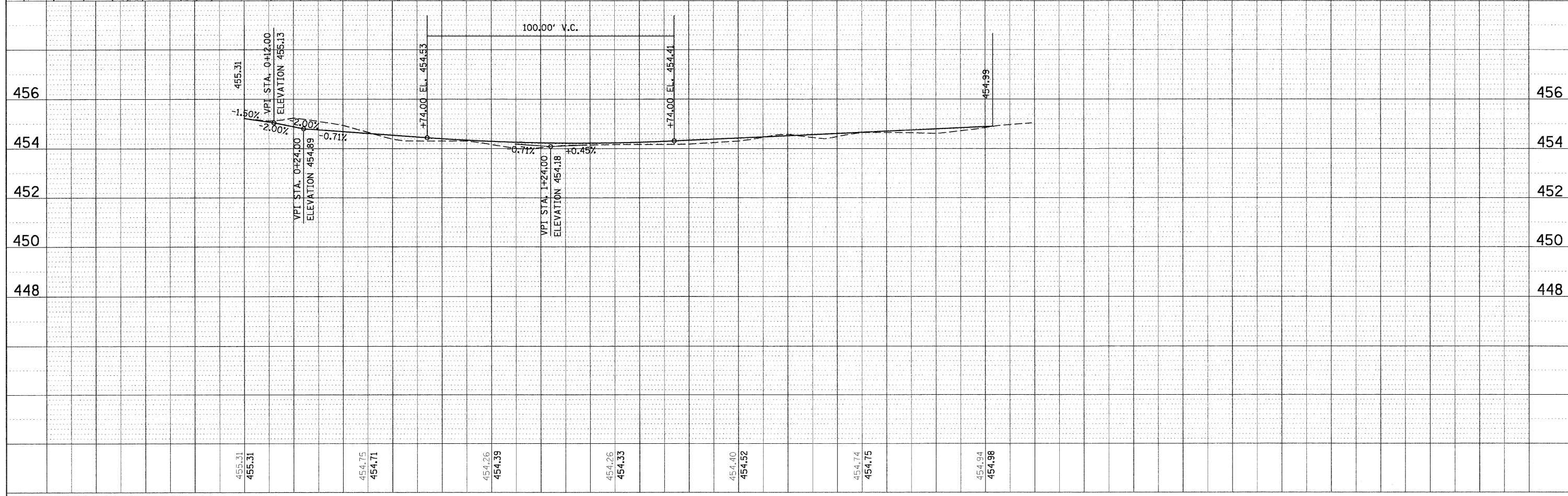
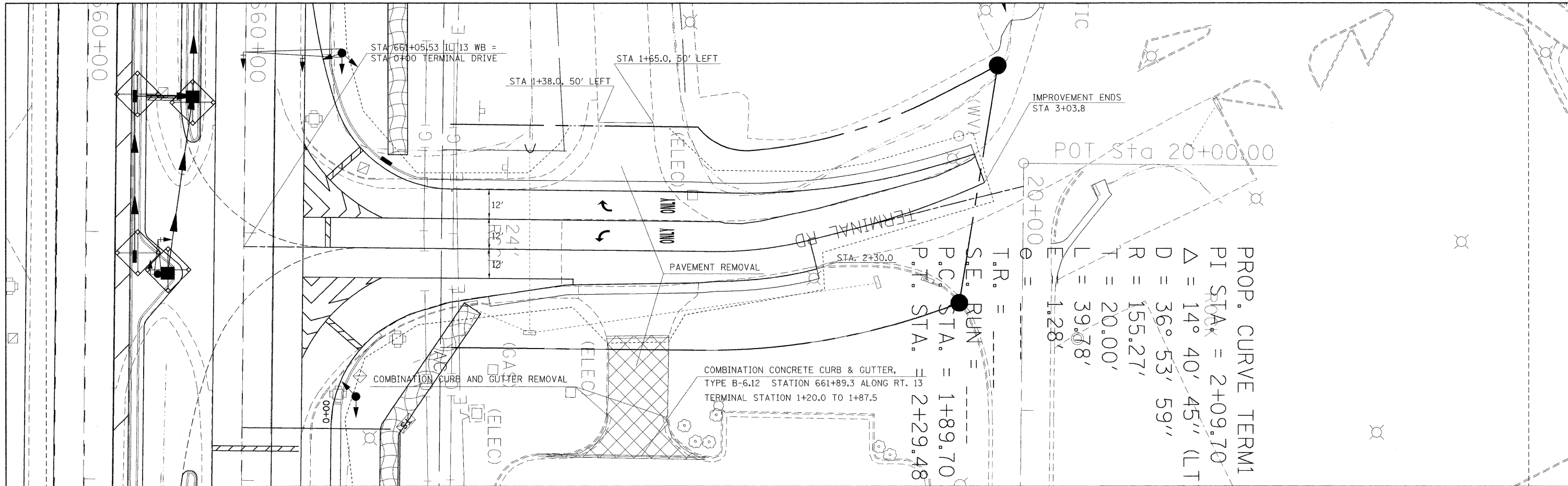


BM18 ELEV. 439.099 CUT SQUARE ON THE EAST CORNER OF A TRAFFIC SIGNAL HANDHOLE RIM, ON THE ISLAND IN THE SW QUAD OF ROUTE 13 AND SKYLINE DR., 37 FT RIGHT OF THE CL OF ROUTE 13 EBL @ STA. 735+13

FILE NAME =	USER NAME = sheparagd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SHEETS	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\PMIDOT\SHEPARDD\dms47338\factstml3-sht-plnpr.f.dgn		DRAWN -	REVISED -			331	(1-2)N-2,R(1X-1)N-3,R-2	WILLIAMSON	202	37
PLOT SCALE = 58,0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 98857				
PLOT DATE = 10/14/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO. RT. OF WAY CHECKED
 CAD FILE NAME

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



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN PROFILE AT TERMINAL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwwork\pwwid01\SHEPARDGD\dms47330\Fedsta13-sht-plnprf.dgn		DRAWN -	REVISED -					331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	38
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -					CONTRACT NO. 98857				
PLOT DATE = 10/14/2009		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

THIRD LANE-STAGE 1

FAP 331(ILLINOIS 13)

NOTES:

THROUGHOUT THE ENTIRE LIMITS OF THE JOB.
 A TWO WEEK NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER PRIOR TO EACH CLOSURE WHICH REQUIRES A DETOUR.
 CLOSE EXISTING WESTBOUND AND EASTBOUND RT. 13 RIGHT LANES AS PER STANDARD 701422.
 THE SPEED LIMIT SHALL BE REDUCED TO 45MPH THROUGHOUT THE ENTIRE CONTRACT.
 ALL TURNING MOVEMENTS AT ALL INTERSECTIONS SHALL REMAIN OPEN.
 IN ADDITION TO THE THIRD LANES, BUILD RIGHT TURN LANES AT ALL INTERSECTIONS SKIPPING THE FOLLOWING:
 EASTBOUND RT. 13
 PENTECOST: STATION 680+97.0 TO STATION 683+15.0
 BAINBRIDGE: STATION 707+40.0 TO STATION 710+27.0
 WESTBOUND RT. 13
 TERMINAL: STATION 660+00.0 TO STATION 661+80.0
 BAINBRIDGE: STATION 707+23.0 TO STATION 709+80.0

ALL INTERSECTION CLOSURE

FAP 331(ILLINOIS 13)

NOTES:

ALL INTERSECTION CLOSURE MUST BE COORDINATED WITH BUSINESSES OR RESIDENCES THAT ARE TO BE EFFECTED BY THE CONSTRUCTION TO DETERMINE THE BEST TIME FOR CLOSURE.

ACCELERATION LANE-STAGE 5A

FAP 331(ILLINOIS 13)

NOTES:

WORK STATION 651+28 TO STATION 665+80
 TO ALLOW PROPER MEDIAN DRAINAGE VIA THE CROSS ROAD CULVERT AT 665+80 IN BOTH STAGES OF WORK.
 CLOSE WESTBOUND AND EASTBOUND RT. 13 FAR LEFT LANES AS PER STANDARD 701402.
 THE EASTBOUND RT. 13 TO TERMINAL DRIVE AND THE TERMINAL DRIVE TO EASTBOUND RT. 13 MOVEMENTS WILL BE CLOSED.
 SUITABLE DETOURS SHALL BE SIGNED VIA EXPRESS DRIVE.

ACCELERATION LANE-STAGE 5B

FAP 331(ILLINOIS 13)

NOTES:

WORK STATION 665+80 TO STATION 691+40
 CLOSE WESTBOUND AND EASTBOUND RT. 13 FAR LEFT LANES AS PER STANDARD 701402.
 THE TERMINAL DRIVE TO EASTBOUND RT. 13 MOVEMENT WILL BE CLOSED.
 THE EASTBOUND RT. 13 TO REDCO DRIVE AND THE REDCO DRIVE TO EASTBOUND RT. 13 MOVEMENTS WILL BE CLOSED.
 SUITABLE DETOURS SHALL BE SIGNED VIA EXPRESS DRIVE AND BANTERRA DRIVE.

FILE NAME =	USER NAME = sheperdgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	F.A.P.	SECTION	COUNTY	TOTAL	SHEET	
ce:\pvt_work\NPWIDOT\SHEPARDGD\dms47338\F	dsu13-sht-pmk.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	39	
	PLOT SCALE = 30.0000' / IN.	CHECKED -	REVISED -			SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 98857			
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

NOTE: THE ENTRANCES BOTH TO AVIATION DRIVE AND TO THE HOTEL SHALL REMAIN OPEN UNTIL THE AIRPORT PROVIDES AN ALTERNATE ENTRANCE.

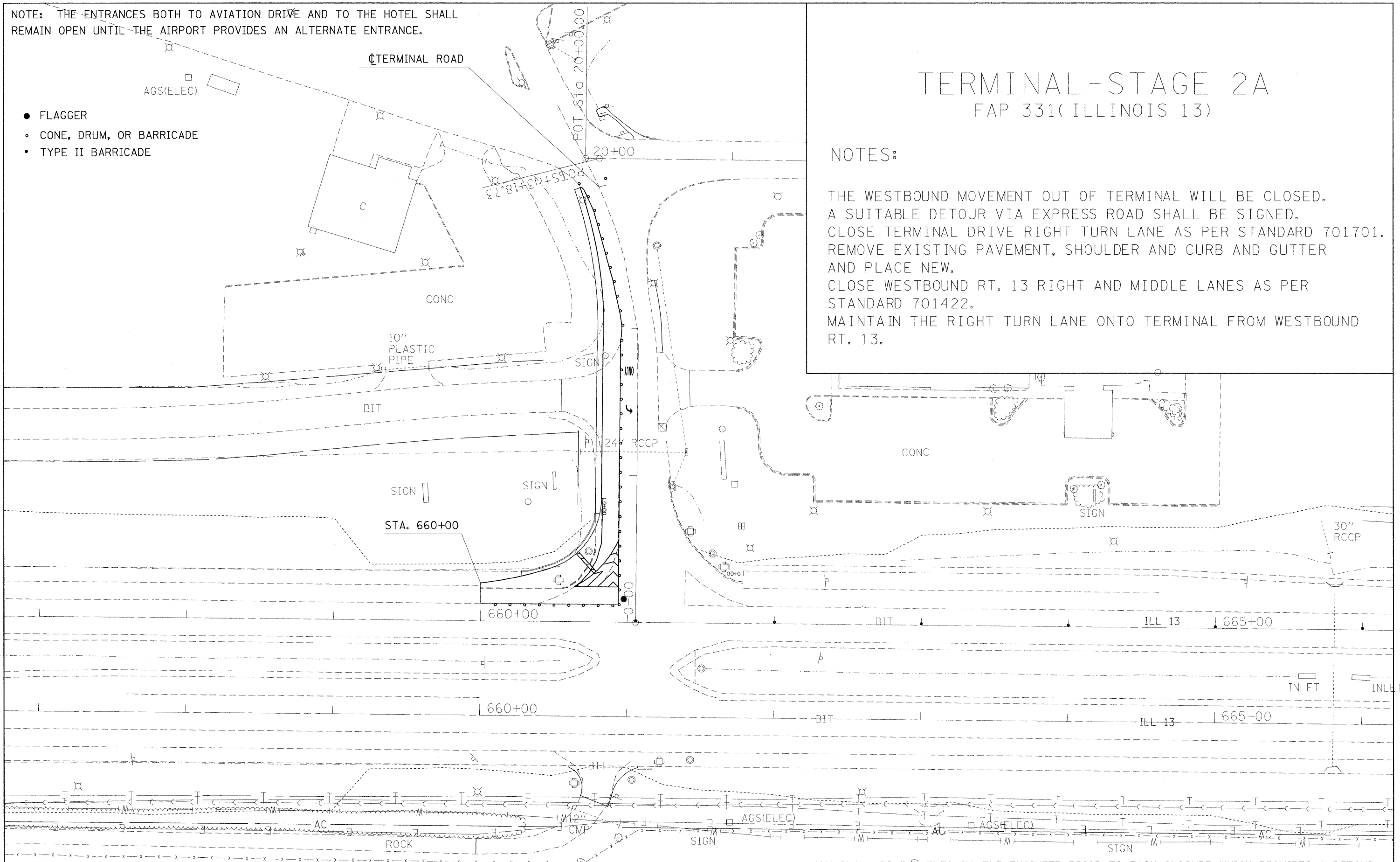
- FLAGGER
- CONE, DRUM, OR BARRICADE
- TYPE II BARRICADE

TERMINAL-STAGE 2A

FAP 331(ILLINOIS 13)

NOTES:

THE WESTBOUND MOVEMENT OUT OF TERMINAL WILL BE CLOSED. A SUITABLE DETOUR VIA EXPRESS ROAD SHALL BE SIGNED. CLOSE TERMINAL DRIVE RIGHT TURN LANE AS PER STANDARD 701701. REMOVE EXISTING PAVEMENT, SHOULDER AND CURB AND GUTTER AND PLACE NEW. CLOSE WESTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER STANDARD 701422. MAINTAIN THE RIGHT TURN LANE ONTO TERMINAL FROM WESTBOUND RT. 13.



NOTE: A TWO WEEK NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER PRIOR TO EACH CLOSURE WHICH REQUIRES A DETOUR.

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	F.A.P RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 40	
ca:\pwwork\pww1001\SHEPARDDG\dms47330\F	dstaml3-shb-rpmk.dgn	DRAWN -	REVISED -			SCALE: _____	SHEET NO. _____ OF _____ SHEETS	ILLINOIS FED. AID PROJECT		CONTRACT NO. 98857	
	PLOT SCALE = 30,0000' / IN.	CHECKED -	REVISED -			STA. _____	TO STA. _____				
	PLOT DATE = 10/14/2009	DATE -	REVISED -								

NOTE: THE ENTRANCES BOTH TO AVIATION DRIVE AND TO THE HOTEL SHALL REMAIN OPEN UNTIL THE AIRPORT PROVIDES AN ALTERNATE ENTRANCE.

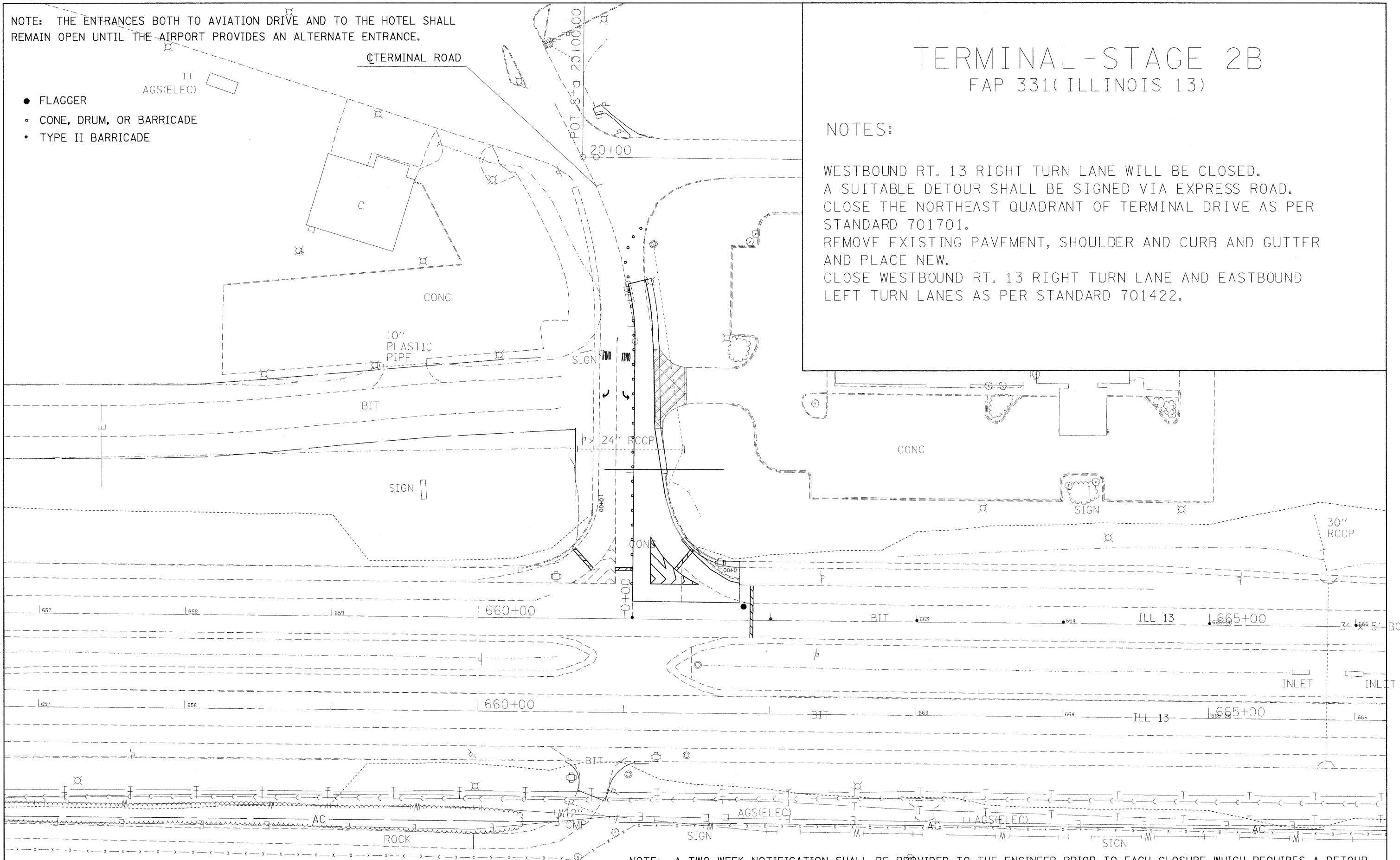
- FLAGGER
- CONE, DRUM, OR BARRICADE
- TYPE II BARRICADE

TERMINAL-STAGE 2B

FAP 331(ILLINOIS 13)

NOTES:

WESTBOUND RT. 13 RIGHT TURN LANE WILL BE CLOSED.
 A SUITABLE DETOUR SHALL BE SIGNED VIA EXPRESS ROAD.
 CLOSE THE NORTHEAST QUADRANT OF TERMINAL DRIVE AS PER STANDARD 701701.
 REMOVE EXISTING PAVEMENT, SHOULDER AND CURB AND GUTTER AND PLACE NEW.
 CLOSE WESTBOUND RT. 13 RIGHT TURN LANE AND EASTBOUND LEFT TURN LANES AS PER STANDARD 701422.



NOTE: A TWO WEEK NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER PRIOR TO EACH CLOSURE WHICH REQUIRES A DETOUR.

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pw_work\PIWIDOT\SHEPARDGD\dms47330\F	dstuml3-sht-pnk.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	41	
	PLOT SCALE = 30,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

NOTE: THE ENTRANCES BOTH TO AVIATION DRIVE AND TO THE HOTEL SHALL REMAIN OPEN UNTIL THE AIRPORT PROVIDES AN ALTERNATE ENTRANCE.

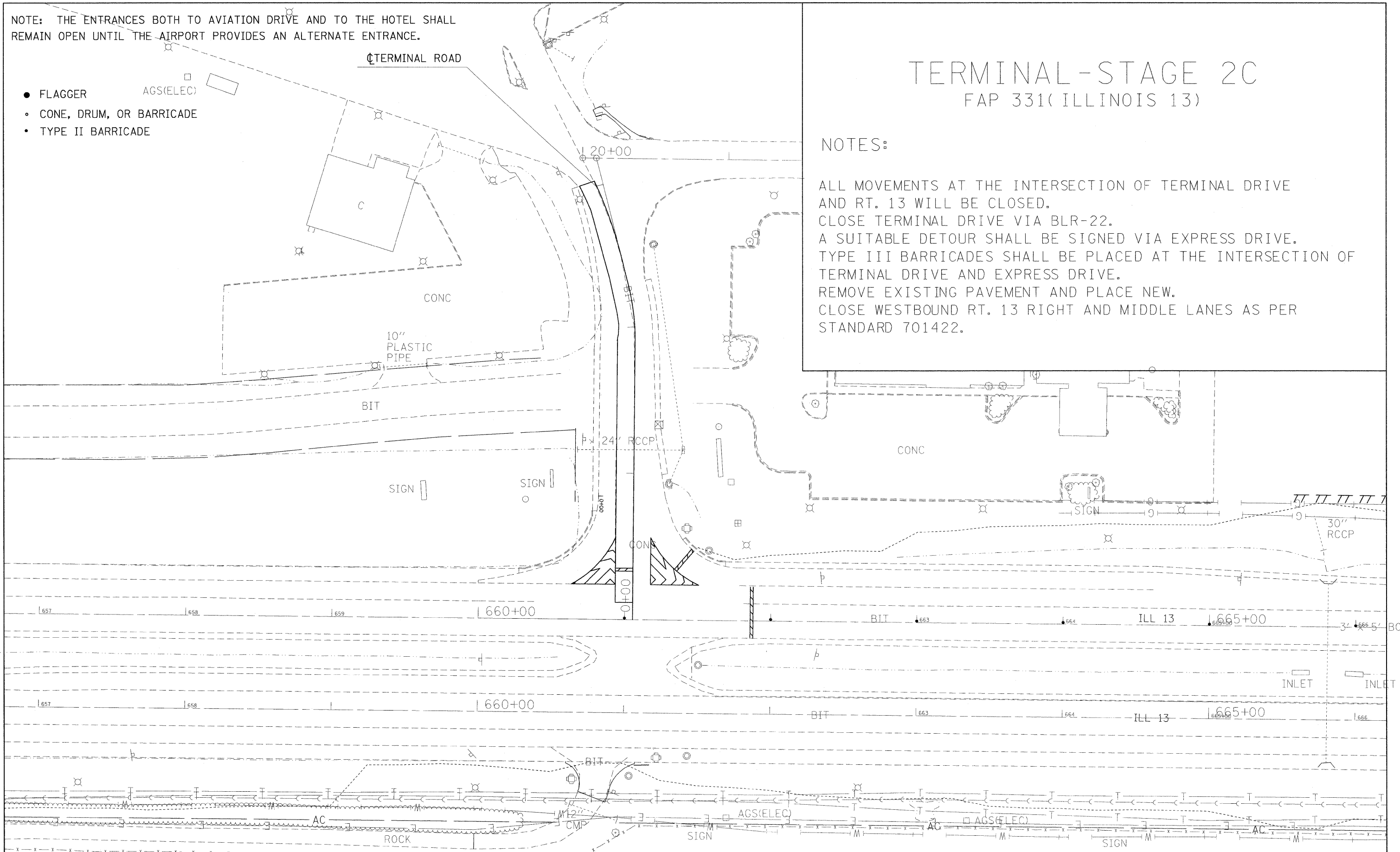
TERMINAL-STAGE 2C

FAP 331(ILLINOIS 13)

- FLAGGER
- CONE, DRUM, OR BARRICADE
- TYPE II BARRICADE

NOTES:

ALL MOVEMENTS AT THE INTERSECTION OF TERMINAL DRIVE AND RT. 13 WILL BE CLOSED.
 CLOSE TERMINAL DRIVE VIA BLR-22.
 A SUITABLE DETOUR SHALL BE SIGNED VIA EXPRESS DRIVE.
 TYPE III BARRICADES SHALL BE PLACED AT THE INTERSECTION OF TERMINAL DRIVE AND EXPRESS DRIVE.
 REMOVE EXISTING PAVEMENT AND PLACE NEW.
 CLOSE WESTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER STANDARD 701422.

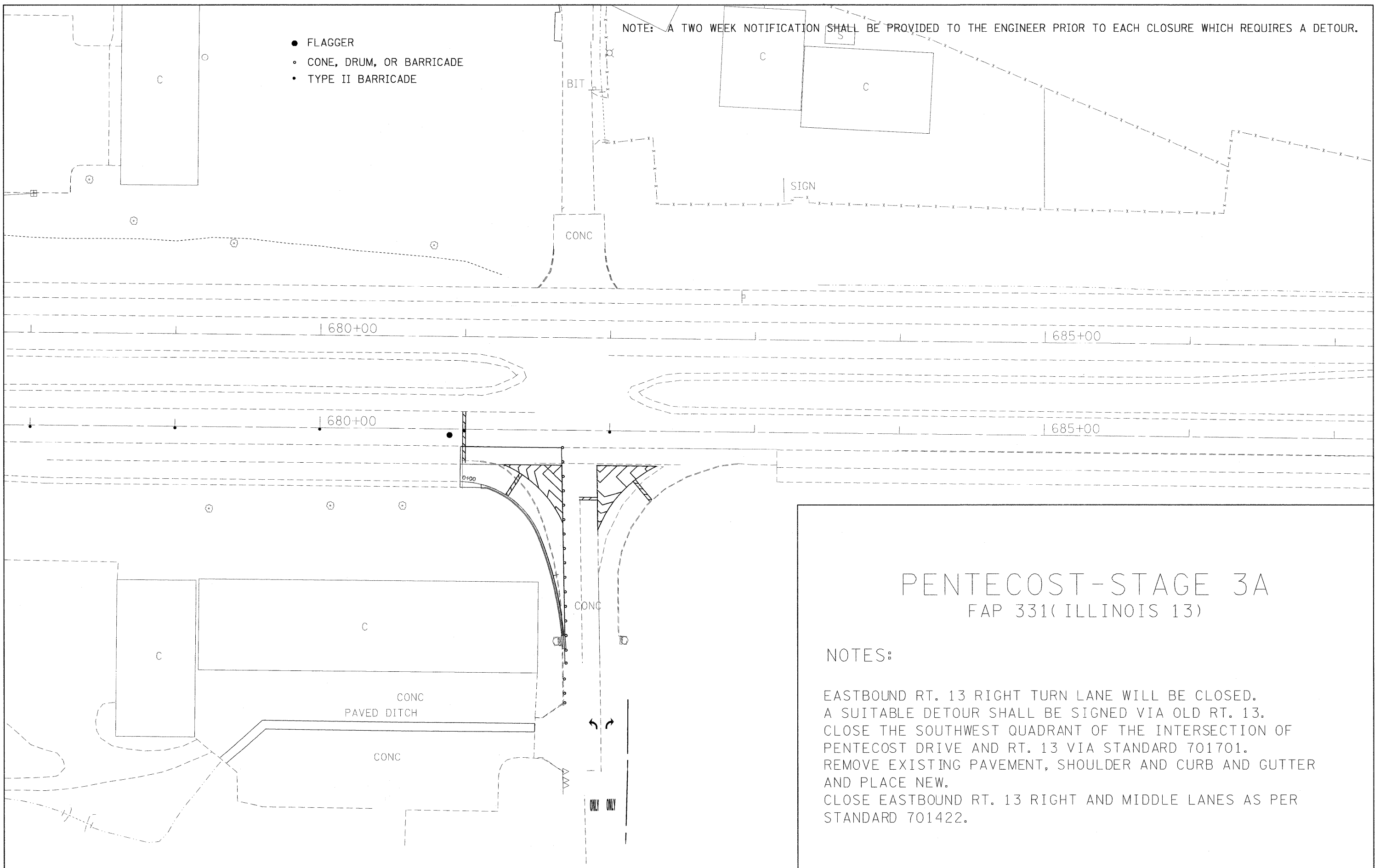


NOTE: A TWO WEEK NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER PRIOR TO EACH CLOSURE WHICH REQUIRES A DETOUR.

FILE NAME = c:\pwwork\pwwid\DOT\SHEPARDGD\dms47330\fdetm13-shit-pmk.dgn	USER NAME = shepardgd	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	F.A.P. RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 42		
PLOT SCALE = 30,0000' / IN.	CHECKED - ---	REVISED - ---	SCALE: _____			SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT				
PLOT DATE = 10/14/2009	DATE - ---	REVISED - ---										
CONTRACT NO. 98857												

- FLAGGER
- CONE, DRUM, OR BARRICADE
- TYPE II BARRICADE

NOTE: A TWO WEEK NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER PRIOR TO EACH CLOSURE WHICH REQUIRES A DETOUR.



PENTECOST-STAGE 3A

FAP 331(ILLINOIS 13)

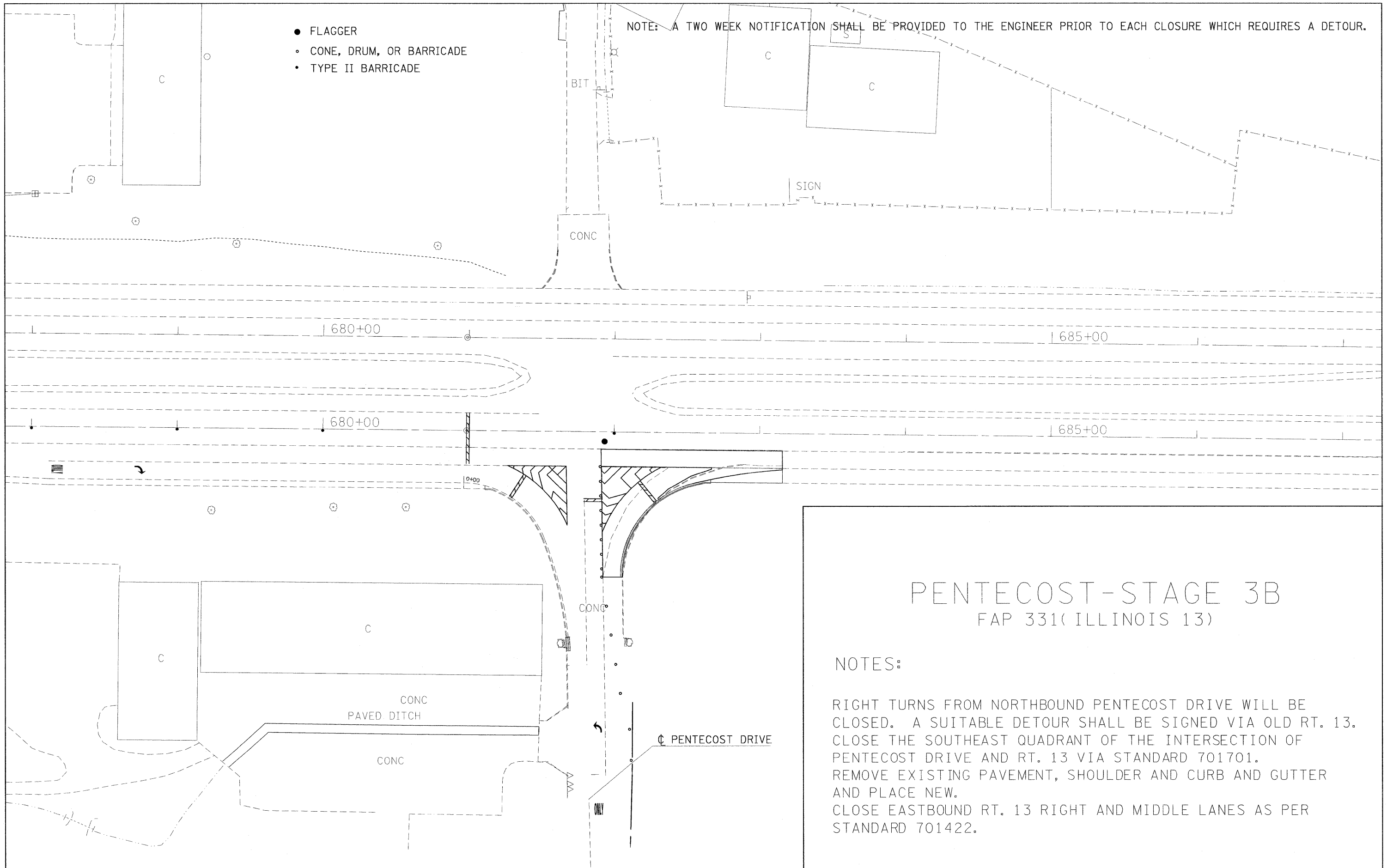
NOTES:

EASTBOUND RT. 13 RIGHT TURN LANE WILL BE CLOSED. A SUITABLE DETOUR SHALL BE SIGNED VIA OLD RT. 13. CLOSE THE SOUTHWEST QUADRANT OF THE INTERSECTION OF PENTECOST DRIVE AND RT. 13 VIA STANDARD 701701. REMOVE EXISTING PAVEMENT, SHOULDER AND CURB AND GUTTER AND PLACE NEW. CLOSE EASTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER STANDARD 701422.

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw_work\PWIDOT\SHEPARO\GD\dms47330\F	dstun13-shr-pmk.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	43	
	PLOT SCALE = 30,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

- FLAGGER
- CONE, DRUM, OR BARRICADE
- TYPE II BARRICADE

NOTE: A TWO WEEK NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER PRIOR TO EACH CLOSURE WHICH REQUIRES A DETOUR.



PENTECOST-STAGE 3B

FAP 331(ILLINOIS 13)

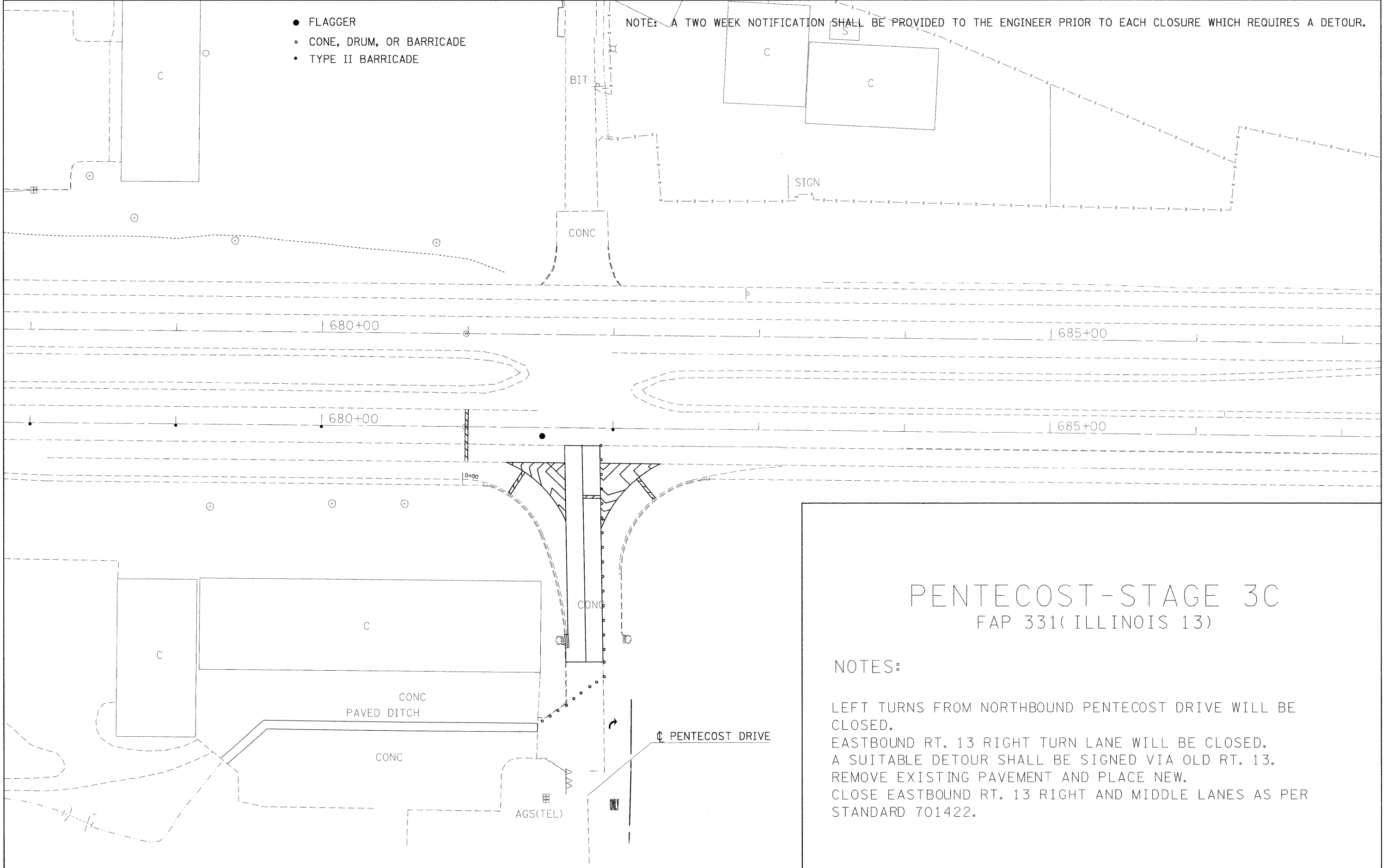
NOTES:

RIGHT TURNS FROM NORTHBOUND PENTECOST DRIVE WILL BE CLOSED. A SUITABLE DETOUR SHALL BE SIGNED VIA OLD RT. 13. CLOSE THE SOUTHEAST QUADRANT OF THE INTERSECTION OF PENTECOST DRIVE AND RT. 13 VIA STANDARD 701701. REMOVE EXISTING PAVEMENT, SHOULDER AND CURB AND GUTTER AND PLACE NEW. CLOSE EASTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER STANDARD 701422.

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwork\PW100T\SHEPARDDGD\dms47330\	dstm13-shb:pmk.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	44	
PLOT SCALE = 30.0000' / IN.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 98857					
PLOT DATE = 10/14/2009	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT					

- FLAGGER
- CONE, DRUM, OR BARRICADE
- TYPE II BARRICADE

NOTE: A TWO WEEK NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER PRIOR TO EACH CLOSURE WHICH REQUIRES A DETOUR.



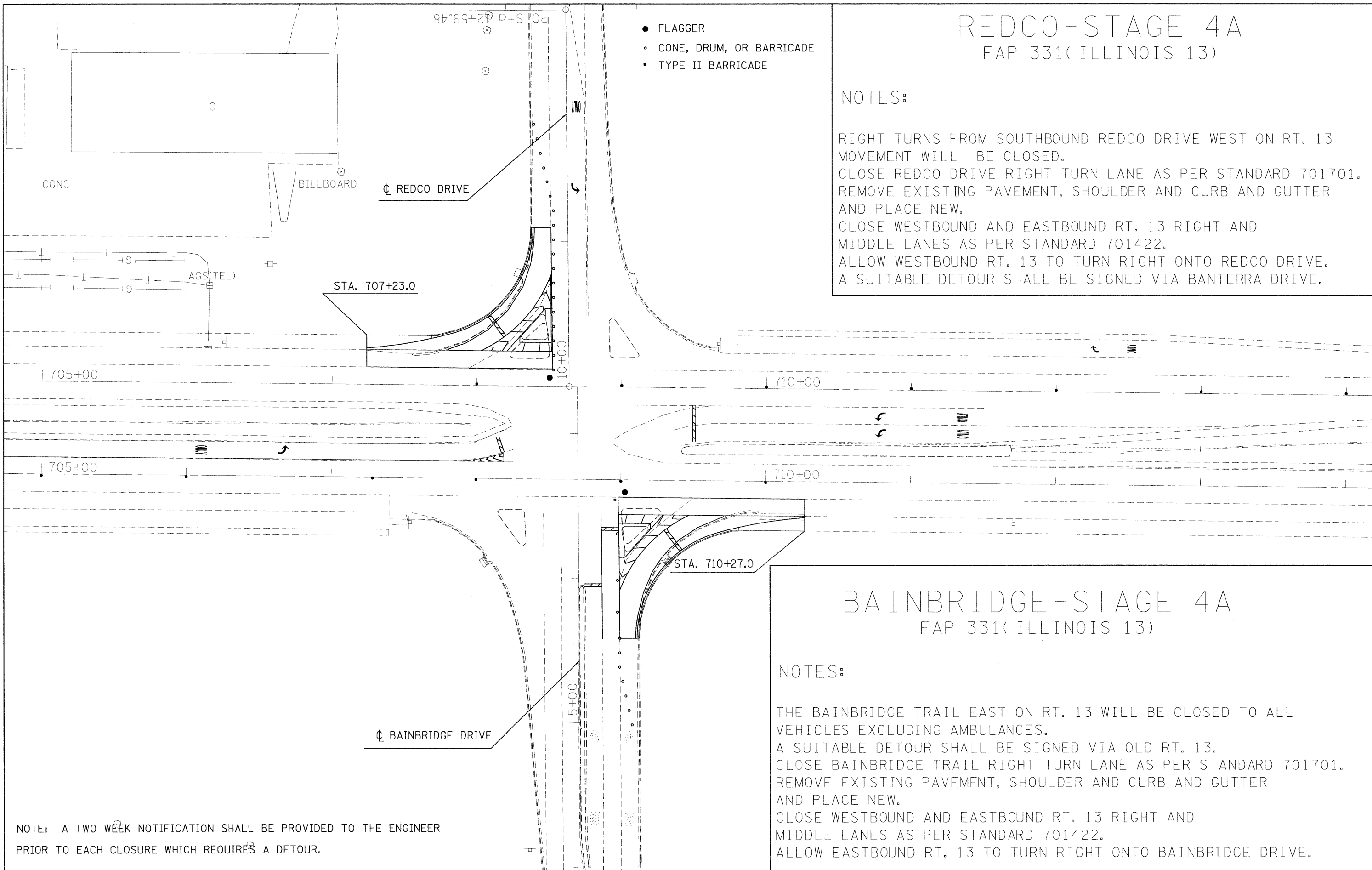
PENTECOST-STAGE 3C

FAP 331(ILLINOIS 13)

NOTES:

LEFT TURNS FROM NORTHBOUND PENTECOST DRIVE WILL BE CLOSED.
 EASTBOUND RT. 13 RIGHT TURN LANE WILL BE CLOSED.
 A SUITABLE DETOUR SHALL BE SIGNED VIA OLD RT. 13.
 REMOVE EXISTING PAVEMENT AND PLACE NEW.
 CLOSE EASTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER STANDARD 701422.

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pw_work\PWIDOT\SHEPARDGD\dms47330\F	dstuml3-aht:pmk.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	45	
	PLOT SCALE = 30,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



REDCO-STAGE 4A

FAP 331(ILLINOIS 13)

NOTES:

RIGHT TURNS FROM SOUTHBOUND REDCO DRIVE WEST ON RT. 13 MOVEMENT WILL BE CLOSED.
 CLOSE REDCO DRIVE RIGHT TURN LANE AS PER STANDARD 701701. REMOVE EXISTING PAVEMENT, SHOULDER AND CURB AND GUTTER AND PLACE NEW.
 CLOSE WESTBOUND AND EASTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER STANDARD 701422.
 ALLOW WESTBOUND RT. 13 TO TURN RIGHT ONTO REDCO DRIVE. A SUITABLE DETOUR SHALL BE SIGNED VIA BANTERRA DRIVE.

BAINBRIDGE-STAGE 4A

FAP 331(ILLINOIS 13)

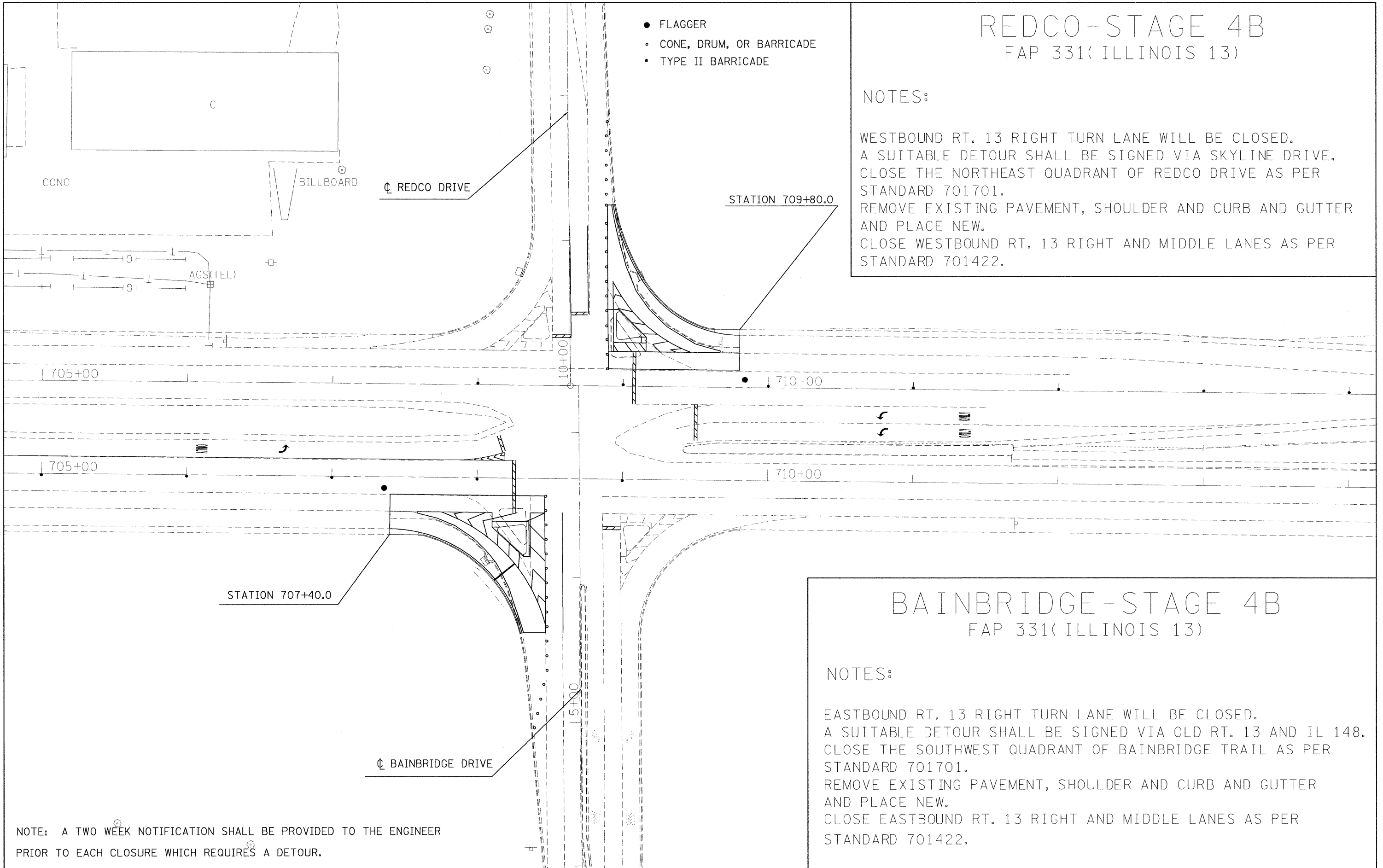
NOTES:

THE BAINBRIDGE TRAIL EAST ON RT. 13 WILL BE CLOSED TO ALL VEHICLES EXCLUDING AMBULANCES.
 A SUITABLE DETOUR SHALL BE SIGNED VIA OLD RT. 13.
 CLOSE BAINBRIDGE TRAIL RIGHT TURN LANE AS PER STANDARD 701701. REMOVE EXISTING PAVEMENT, SHOULDER AND CURB AND GUTTER AND PLACE NEW.
 CLOSE WESTBOUND AND EASTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER STANDARD 701422.
 ALLOW EASTBOUND RT. 13 TO TURN RIGHT ONTO BAINBRIDGE DRIVE.

NOTE: A TWO WEEK NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER PRIOR TO EACH CLOSURE WHICH REQUIRES A DETOUR.

- FLAGGER
- CONE, DRUM, OR BARRICADE
- TYPE II BARRICADE

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwork\p\WIDOT\SHEPARDD\dms47330\F	dstm13-sht-pmk.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	46	
	PLOT SCALE = 30,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



- FLAGGER
- CONE, DRUM, OR BARRICADE
- TYPE II BARRICADE

REDCO-STAGE 4B

FAP 331(ILLINOIS 13)

NOTES:

WESTBOUND RT. 13 RIGHT TURN LANE WILL BE CLOSED.
 A SUITABLE DETOUR SHALL BE SIGNED VIA SKYLINE DRIVE.
 CLOSE THE NORTHEAST QUADRANT OF REDCO DRIVE AS PER
 STANDARD 701701.
 REMOVE EXISTING PAVEMENT, SHOULDER AND CURB AND GUTTER
 AND PLACE NEW.
 CLOSE WESTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER
 STANDARD 701422.

BAINBRIDGE-STAGE 4B

FAP 331(ILLINOIS 13)

NOTES:

EASTBOUND RT. 13 RIGHT TURN LANE WILL BE CLOSED.
 A SUITABLE DETOUR SHALL BE SIGNED VIA OLD RT. 13 AND IL 148.
 CLOSE THE SOUTHWEST QUADRANT OF BAINBRIDGE TRAIL AS PER
 STANDARD 701701.
 REMOVE EXISTING PAVEMENT, SHOULDER AND CURB AND GUTTER
 AND PLACE NEW.
 CLOSE EASTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER
 STANDARD 701422.

NOTE: A TWO WEEK NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER
 PRIOR TO EACH CLOSURE WHICH REQUIRES A DETOUR.

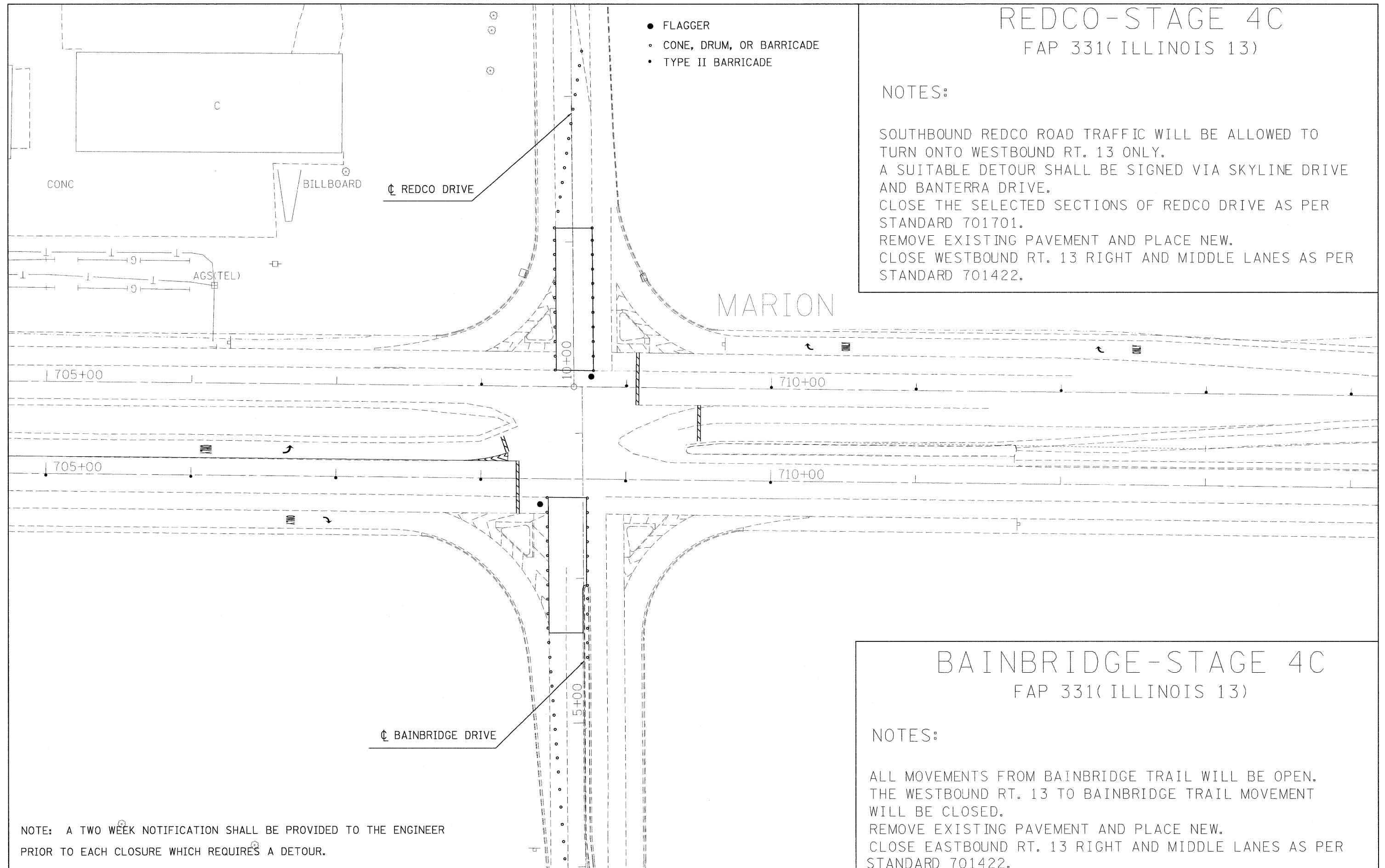
FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pv\work\PWIDOT\SHEPARDGD\dms47330\F	dstum13-shht-pmk.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	47	
	PLOT SCALE = 30,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

REDCO-STAGE 4C

FAP 331(ILLINOIS 13)

NOTES:

SOUTHBOUND REDCO ROAD TRAFFIC WILL BE ALLOWED TO TURN ONTO WESTBOUND RT. 13 ONLY.
 A SUITABLE DETOUR SHALL BE SIGNED VIA SKYLINE DRIVE AND BANTERRA DRIVE.
 CLOSE THE SELECTED SECTIONS OF REDCO DRIVE AS PER STANDARD 701701.
 REMOVE EXISTING PAVEMENT AND PLACE NEW.
 CLOSE WESTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER STANDARD 701422.



- FLAGGER
- CONE, DRUM, OR BARRICADE
- TYPE II BARRICADE

MARION

BAINBRIDGE-STAGE 4C

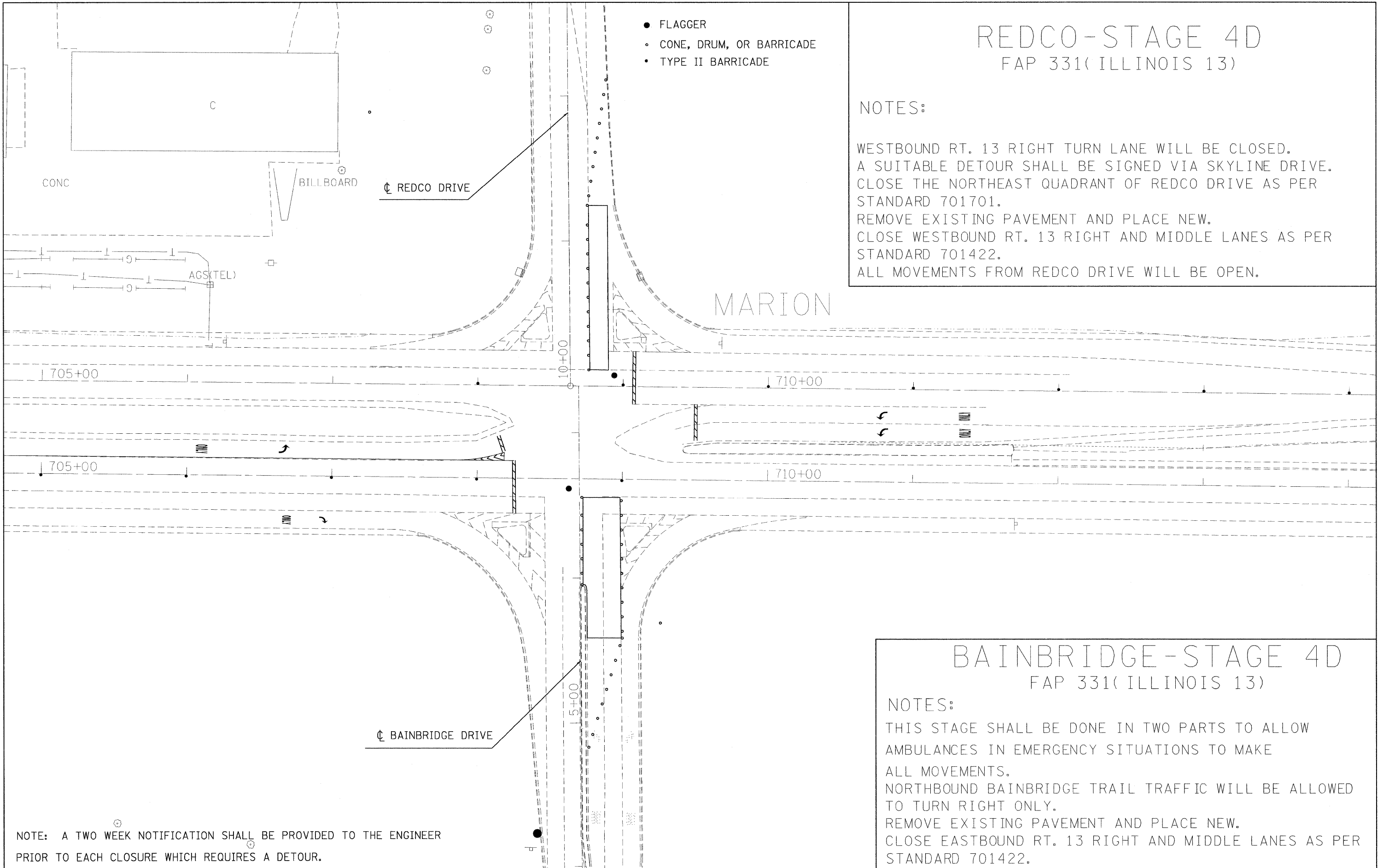
FAP 331(ILLINOIS 13)

NOTES:

ALL MOVEMENTS FROM BAINBRIDGE TRAIL WILL BE OPEN.
 THE WESTBOUND RT. 13 TO BAINBRIDGE TRAIL MOVEMENT WILL BE CLOSED.
 REMOVE EXISTING PAVEMENT AND PLACE NEW.
 CLOSE EASTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER STANDARD 701422.

NOTE: A TWO WEEK NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER PRIOR TO EACH CLOSURE WHICH REQUIRES A DETOUR.

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\WPWIDOT\SHEPARDGD\dms47338\F	dstum13-shht-pmk.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	48	
PLOT SCALE = 30,0000' / IN.	CHECKED -	REVISED -	REVISED -			SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 98857			
PLOT DATE = 10/14/2009	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT					



REDCO-STAGE 4D
FAP 331(ILLINOIS 13)

NOTES:

WESTBOUND RT. 13 RIGHT TURN LANE WILL BE CLOSED.
A SUITABLE DETOUR SHALL BE SIGNED VIA SKYLINE DRIVE.
CLOSE THE NORTHEAST QUADRANT OF REDCO DRIVE AS PER STANDARD 701701.
REMOVE EXISTING PAVEMENT AND PLACE NEW.
CLOSE WESTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER STANDARD 701422.
ALL MOVEMENTS FROM REDCO DRIVE WILL BE OPEN.

BAINBRIDGE-STAGE 4D
FAP 331(ILLINOIS 13)

NOTES:

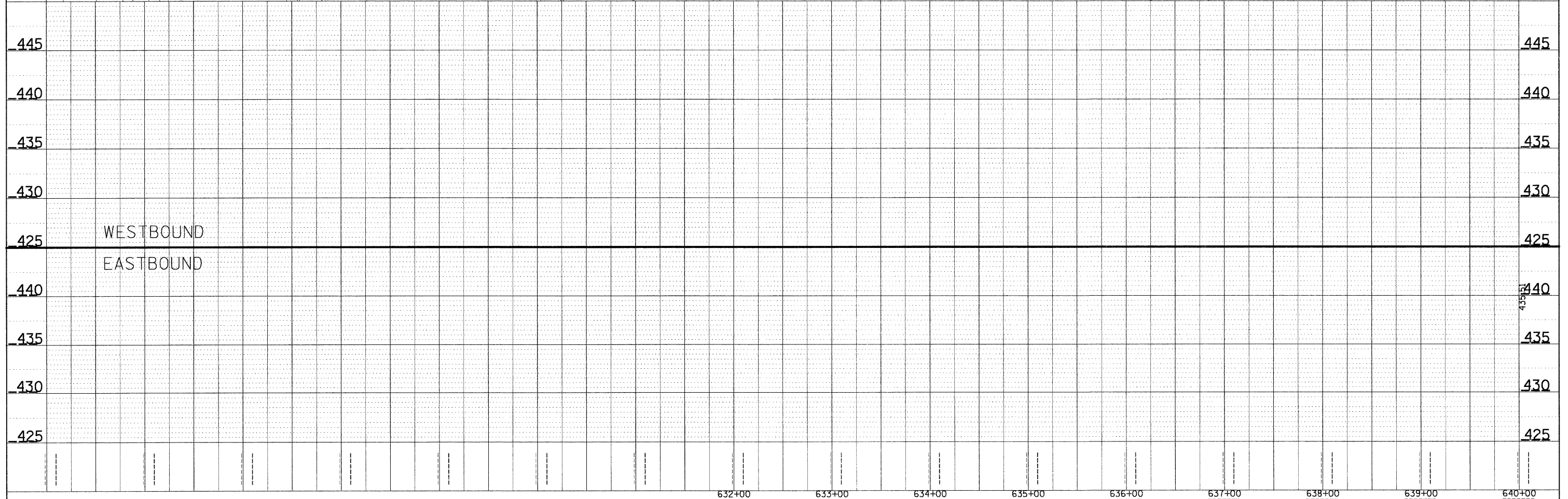
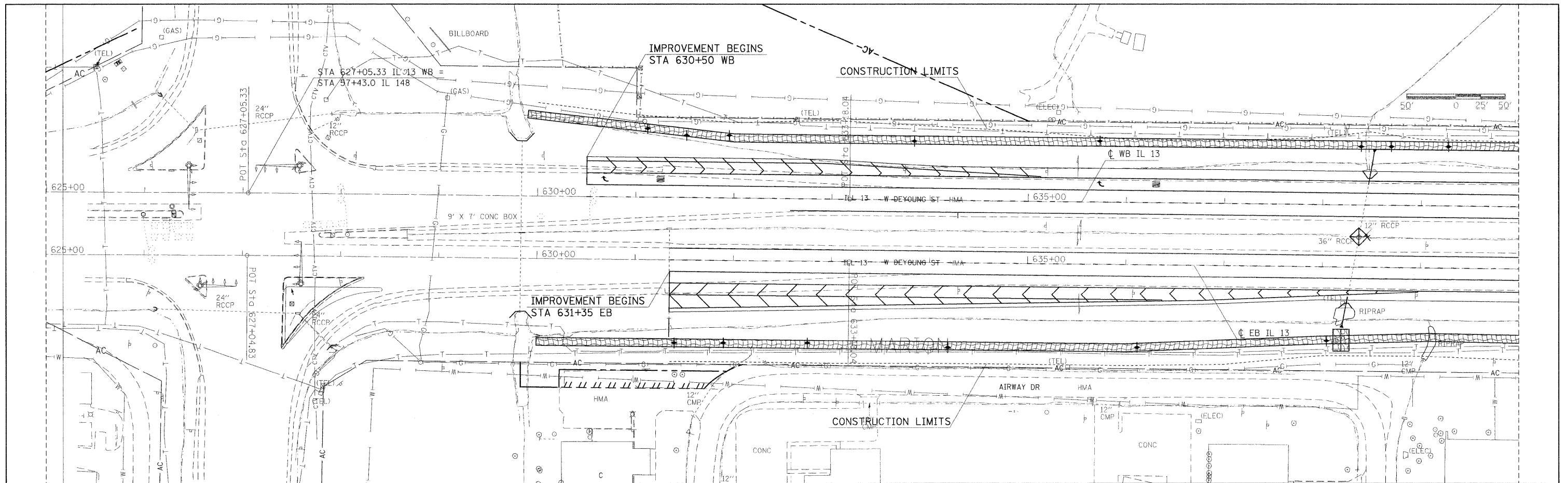
THIS STAGE SHALL BE DONE IN TWO PARTS TO ALLOW AMBULANCES IN EMERGENCY SITUATIONS TO MAKE ALL MOVEMENTS.
NORTHBOUND BAINBRIDGE TRAIL TRAFFIC WILL BE ALLOWED TO TURN RIGHT ONLY.
REMOVE EXISTING PAVEMENT AND PLACE NEW.
CLOSE EASTBOUND RT. 13 RIGHT AND MIDDLE LANES AS PER STANDARD 701422.

NOTE: A TWO WEEK NOTIFICATION SHALL BE PROVIDED TO THE ENGINEER PRIOR TO EACH CLOSURE WHICH REQUIRES A DETOUR.

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
01\pw_work\PWIDOT\SHEPARDGD\dms47330\F	dstm13-shht-pmk.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	49	
	PLOT SCALE = 30,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: _____	SHEET NO. _____ OF _____ SHEETS		STA. _____ TO STA. _____			

PLAN
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____
 DATE _____

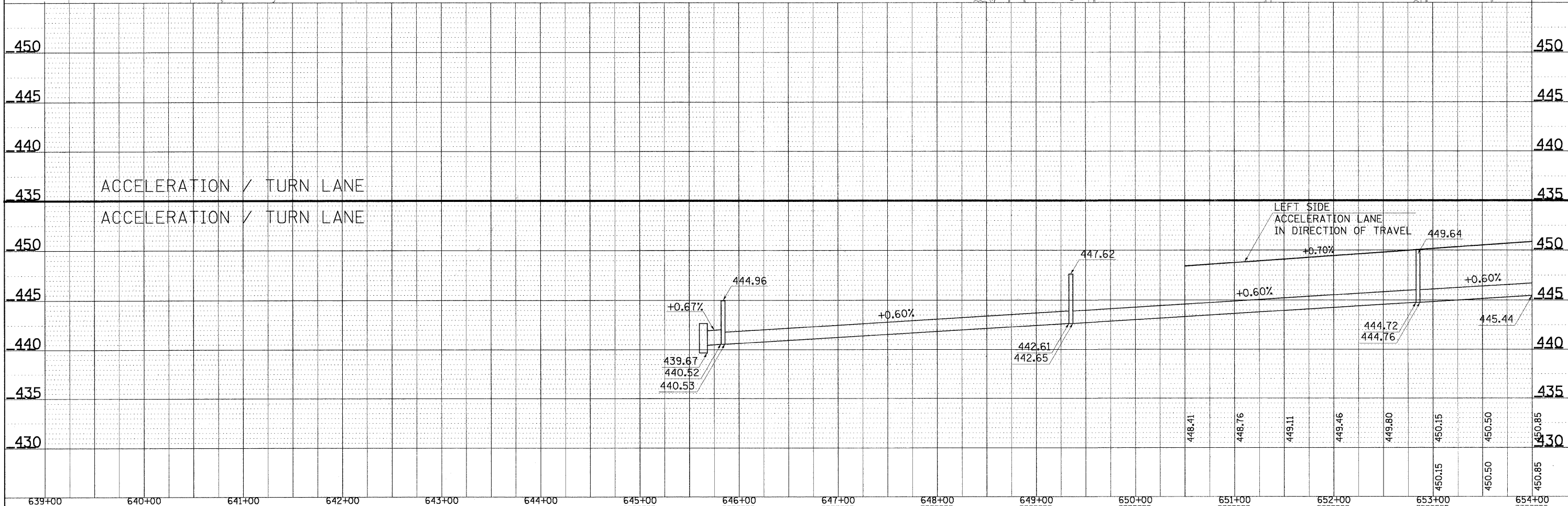
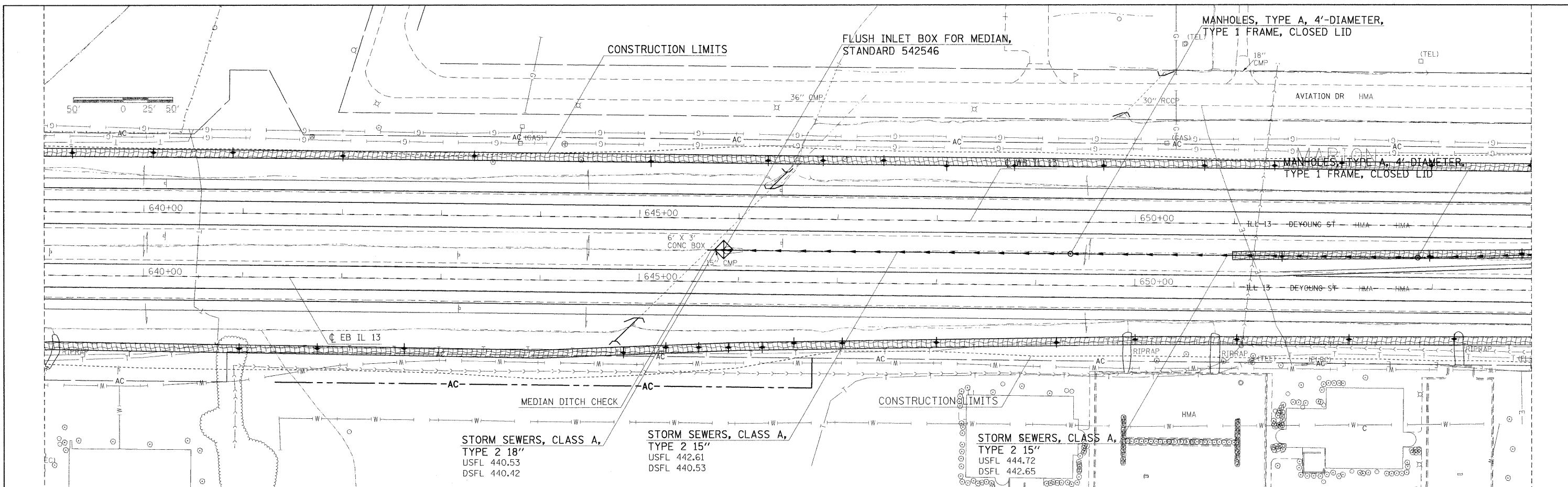
PROFILE
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____
 DATE _____



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN PROFILE SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwid01\SHEPARDGD\dms47330\fed	tm13-shr-dra.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R(1X-1)N-3,R-2	WILLIAMSON	202	50	
		CHECKED -	REVISED -			CONTRACT NO. 98857					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

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

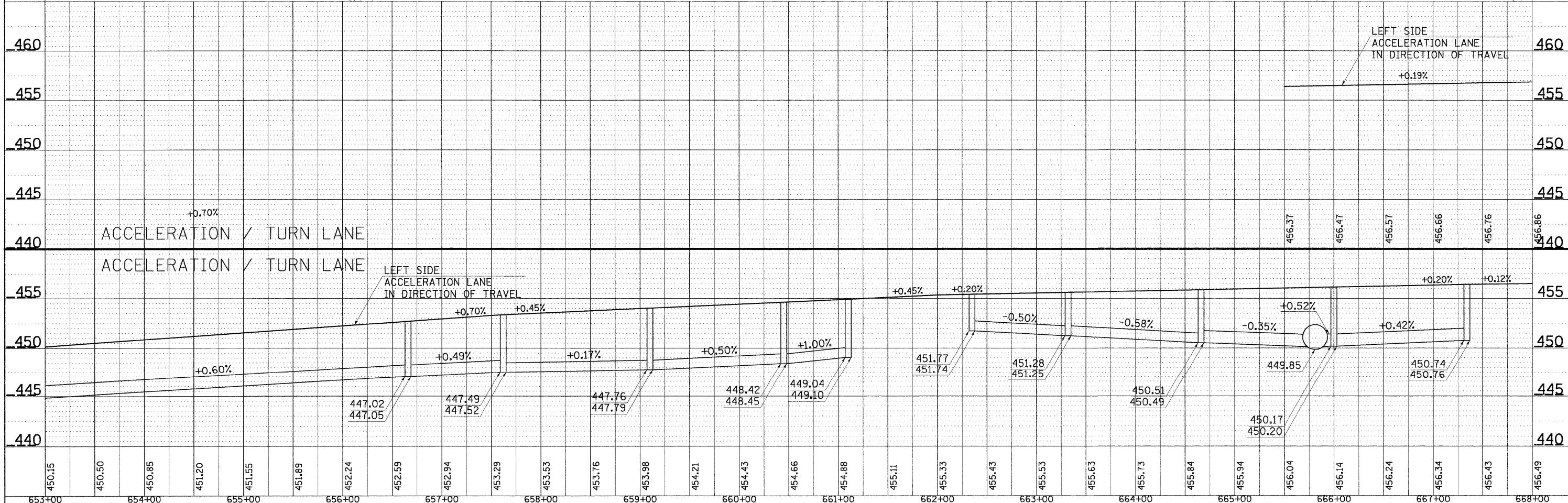
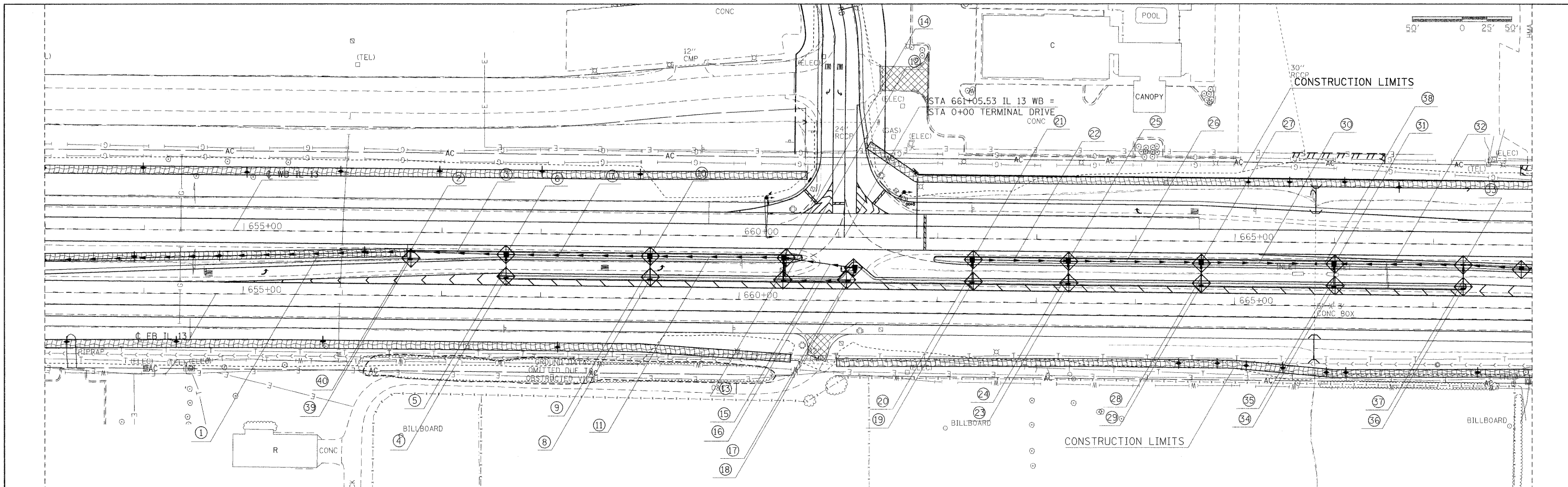
PROFILE	SUBMITTED	DATE
	PLOTTED	BY
	GRADES CHECKED	CHECKED
	NOTE BOOK	NO.
	STRUCTURE NOTATIONS CHIRD	



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN PROFILE SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwidot\shepardgd\dms47330\fe	tim13-shd-drain.dgn	DRAWN -	REVISED -			331	(1-2IN-2,R)(1X-1N-3,R-2)	WILLIAMSON	202	51	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 12/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

PLAN
 BY _____ DATE _____
 REVIEWED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____
 FILE NAME _____

PROFILE
 BY _____ DATE _____
 REVIEWED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____
 FILE NAME _____



FILE NAME =	USER NAME = shepard-dgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN PROFILE SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\VPID01\SHEPARDGD\dms47330\feet\m13-shd-drain.dgn		DRAWN -	REVISED -			331	(1-2)N-2,R(1X-1)N-3,R-2	WILLIAMSON	202	52	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 98857					
PLOT DATE = 12/14/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

① STORM SEWERS, CLASS A,
TYPE 2 15"
USFL 447.02
DSFL 444.76

② INLETS, SPECIAL, TYPE 3
EOP 453.05
EOS 453.53

③ STORM SEWERS, CLASS A,
TYPE 2 15"
USFL 447.49
DSFL 447.05

④ INLETS, SPECIAL, TYPE 3
FL 448.09
EOS 453.81

⑤ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 448.18
DSFL 448.00
SLOPE 1.00%

⑥ INLETS, SPECIAL, TYPE 3
EOP 453.36
EOS 453.66

⑦ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 447.76
DSFL 447.52

⑧ INLETS, SPECIAL, TYPE 3
FL 446.09
EOS 454.52

⑨ STORM SEWERS,
CLASS A, TYPE 2 12"
USFL 449.18
DSFL 449.00
SLOPE 1.00%

⑩ INLETS, SPECIAL, TYPE 3
EOP 454.04
EOS 454.33

⑪ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 448.42
DSFL 447.77

⑫ INLETS, SPECIAL, TYPE 3
FL 449.59
EOS 454.92

⑬ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 449.68
DSFL 449.50
SLOPE 1.00%

⑭ INLETS, SPECIAL, TYPE 3
EOP 454.64
EOS 454.72

⑮ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 450.26
DSFL 449.68
SLOPE 1.00%

⑯ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 449.04
DSFL 448.45

⑰ INLETS, SPECIAL, TYPE 3
EOS 455.16
USFL 449.91
DSFL 449.88
SLOPE 0.50%

⑱ INLETS, SPECIAL, TYPE 3
EOP 454.93

⑲ INLETS, SPECIAL, TYPE 3
EOS 455.45

⑳ STORM SEWERS, CLASS A,
TYPE 1 12"
USFL 452.92
DSFL 451.74

㉑ INLETS, SPECIAL, TYPE 3
EOP 454.99
EOS 455.31

㉒ STORM SEWERS, CLASS A,
TYPE 1 12"
USFL 451.74
DSFL 451.28

㉓ INLETS, SPECIAL, TYPE 3
EOS 455.86

㉔ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 451.46
DSFL 451.28
SLOPE 1.00%

㉕ INLETS, SPECIAL, TYPE 3
EOP 455.59
EOS 456.03

㉖ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 451.25
DSFL 450.51

㉗ INLETS, SPECIAL, TYPE 3
EOP 455.86
EOS 456.16

㉘ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 450.67
DSFL 450.49
SLOPE 1.00%

㉙ INLETS, SPECIAL, TYPE 3
EOS 456.12

㉚ STORM SEWERS, CLASS A,
TYPE 2 15"
USFL 450.49
DSFL 450.10

㉛ INLETS, SPECIAL, TYPE 3
EOP 456.01
EOS 456.57

㉜ STORM SEWERS, CLASS A,
TYPE 2 15"
USFL 450.74
DSFL 450.20

㉝ INLETS, SPECIAL, TYPE 3
EOP (EBL) 456.41
EOP (WBL) 456.72

㉞ INLETS, SPECIAL, TYPE 3
EOS 456.80

㉟ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 450.36
DSFL 450.18
SLOPE 1.00%

㊱ INLETS, SPECIAL, TYPE 3
EOS 456.80

㊲ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 450.93
DSFL 450.75
SLOPE 1.00%

㊳ STORM SEWERS, CLASS A,
TYPE 2 15"
USFL 450.74
DSFL 450.20

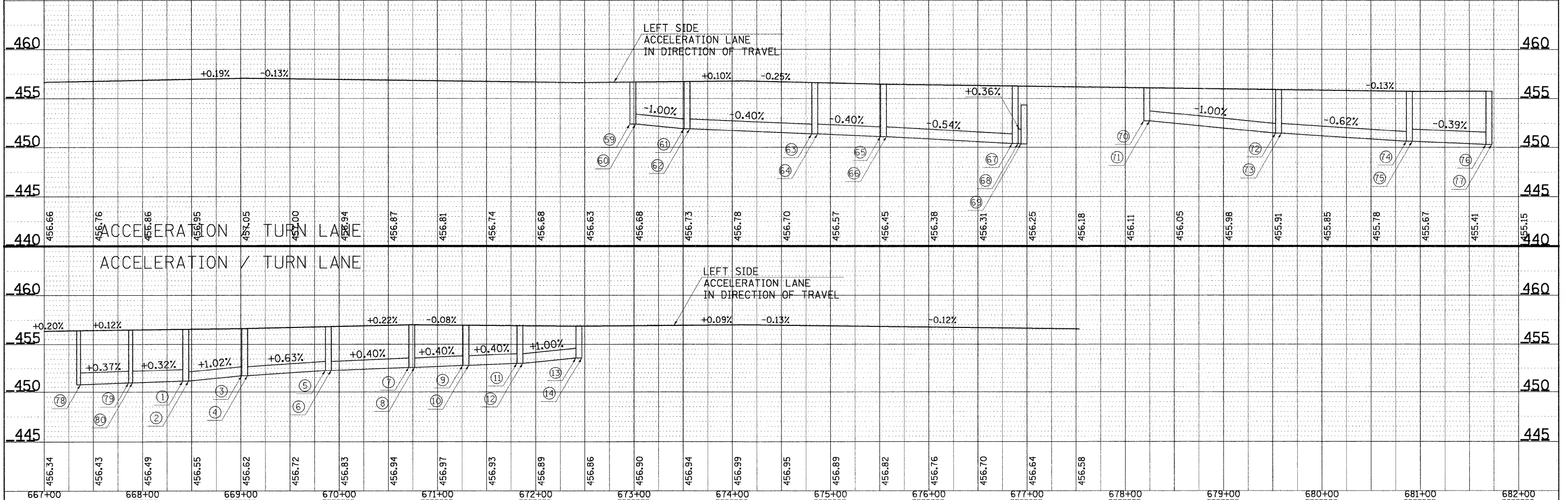
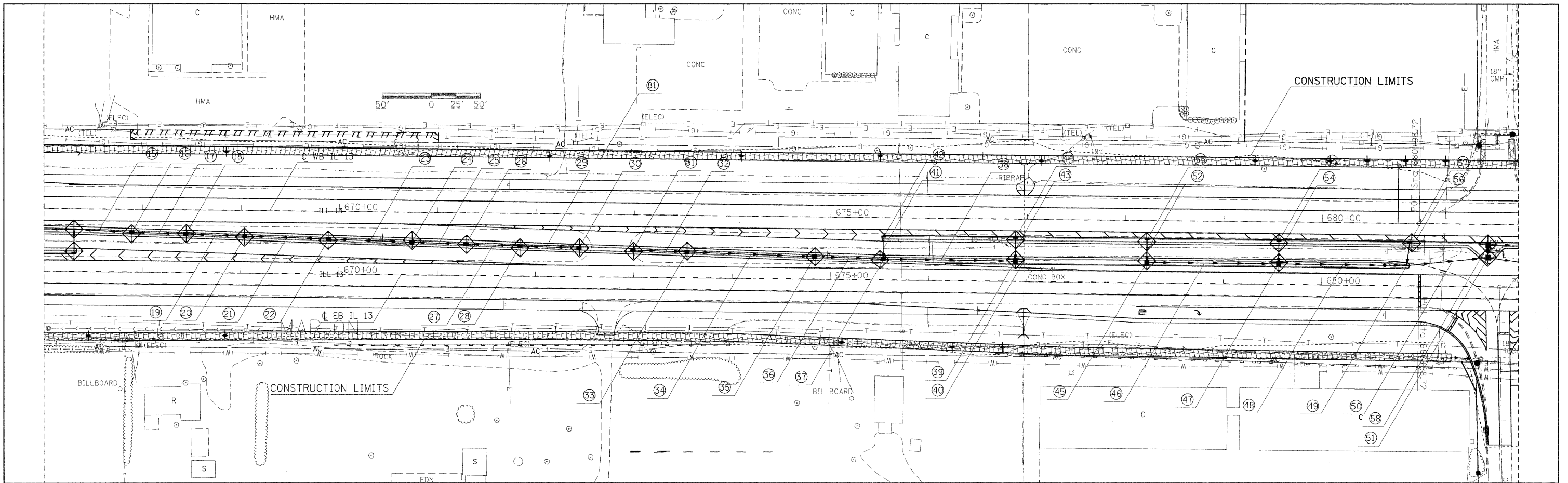
㊴ INLETS, SPECIAL, TYPE 3

㊵ STORM SEWERS, CLASS A,
TYPE 2 12"

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN PROFILE SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwwork\pwwid01\SHEPARDGD\dms47330\F	detsm13-ahd-dra.dgn	DRAWN -	REVISED -					331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	53
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____			CONTRACT NO. 98857				
	PLOT DATE = 12/14/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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

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



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN PROFILE SHEETS	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\p\work\p\w\001\SHEPARDGD\dms47338\fed	tm13-shr-draw.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	54	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

① EL 451.12

② EL 451.14

③ EL 451.69

④ EL 451.75

⑤ EL 452.25

⑥ EL 452.29

⑦ EL 452.60

⑧ EL 452.63

⑨ EL 452.83

⑩ EL 452.63

⑪ EL 453.05

⑫ EL 453.07

⑬ EL 453.61

⑭ EL 453.67

⑮ STORM SEWERS, CLASS A,
TYPE 2 15"
USFL 450.94
DSFL 450.76

⑯ INLETS, SPECIAL, TYPE 3
EOP (EBL) 456.48
EOP (WBL) 456.82

⑰ STORM SEWERS, CLASS A,
TYPE 2 15"
USFL 451.12
DSFL 450.96

⑱ INLETS, SPECIAL, TYPE 3
EOP (EBL) 456.54
EOP (WBL) 456.93

⑲ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 451.69
DSFL 451.14

⑳ INLETS, SPECIAL, TYPE 3
EOP (EBL) 456.62
EOP (WBL) 457.06

㉑ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 452.25
DSFL 451.75

㉒ INLETS, SPECIAL, TYPE 3
EOP (EBL) 456.81
EOP (WBL) 456.95

㉓ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 452.60
DSFL 452.29

㉔ INLETS, SPECIAL, TYPE 3
EOP (EBL) 456.99
EOP (WBL) 456.84

㉕ STORM SEWERS, CLASS A,
TYPE 1 12"
USFL 452.83
DSFL 452.63

㉖ INLETS, SPECIAL, TYPE 3
EOP (EBL) 456.94
EOP (WBL) 456.77

㉗ STORM SEWERS, CLASS A,
TYPE 1 12"
USFL 453.05
DSFL 452.85

㉘ INLETS, SPECIAL, TYPE 3
EOP (EBL) 456.90
EOP (WBL) 456.70

㉙ STORM SEWERS, CLASS A,
TYPE 1 12"
USFL 453.61
DSFL 453.07

㉚ INLETS, SPECIAL, TYPE 3
EOP (EBL) 456.85
EOP (WBL) 456.62

㉛ INLETS, SPECIAL, TYPE 3
EOP (WBL) 456.88
EOP (EBL) 456.89

㉜ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 452.41
DSFL 451.92

㉝ INLETS, SPECIAL, TYPE 3
EOP (WBL) 456.73
EOP (EBL) 456.95

㉞ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 451.89
DSFL 451.40

㉟ INLETS, SPECIAL, TYPE 3
EOP (WBL) 456.62
EOP (EBL) 456.90

㊱ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 451.37
DSFL 451.12

㊲ INLETS, SPECIAL, TYPE 3
EOP (WBL) 456.44
EOP (EBL) 456.81

㊳ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 451.08
DSFL 450.39

㊴ INLETS, SPECIAL, TYPE 3
EOP (WBL) 456.26
EOS 456.30

㊵ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 450.37
DSFL 450.36

㊶ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 452.59
DSFL 452.41
SLOPE 1.00%

㊷ INLETS, SPECIAL, TYPE 3
EOS 456.84

㊸ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 450.56
DSFL 450.38
SLOPE 1.00%

㊹ INLETS, SPECIAL, TYPE 3
EOS 456.59

㊺ INLETS, SPECIAL, TYPE 3
EOP 456.09
EOS 456.28

㊻ STORM SEWERS, CLASS A,
TYPE 1 12"
USFL 452.74
DSFL 451.46

㊼ INLETS, SPECIAL, TYPE 3
EOP 455.92
EOS 455.96

㊽ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 451.42
DSFL 450.64

㊾ INLETS, SPECIAL, TYPE 3
EOP 455.73
EOS 455.57

㊿ STORM SEWERS, CLASS A,
TYPE 2 15"
USFL 450.61
DSFL 450.32

① INLETS, SPECIAL, TYPE 3
EOP 455.31

② STORM SEWERS, CLASS A,
TYPE 1 12"
USFL 452.95
DSFL 452.77
SLOPE 1.00%

③ INLETS, SPECIAL, TYPE 3
EOS 456.34

④ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 451.62
DSFL 451.44
SLOPE 1.00%

⑤ INLETS, SPECIAL, TYPE 3
EOS 455.98

⑥ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 450.80
DSFL 450.62
SLOPE 1.00%

⑦ INLETS, SPECIAL, TYPE 3
EOS 455.58

⑧ INLETS, SPECIAL, TYPE 3
EOS 455.32

⑨ EL 452.47

⑩ EL 452.41

⑪ EL 451.92

⑫ EL 451.89

⑬ EL 451.40

⑭ EL 451.37

⑮ EL 451.12

⑯ EL 451.08

⑰ EL 450.39

⑱ EL 450.37

㉑ EL 450.36

㉓ EL 452.80

㉕ EL 452.74

㉗ EL 451.46

㉙ EL 451.42

㉛ EL 450.64

㉝ EL 450.61

㉞ EL 450.32

㉟ EL 450.29

㊱ EL 450.76

㊳ EL 450.96

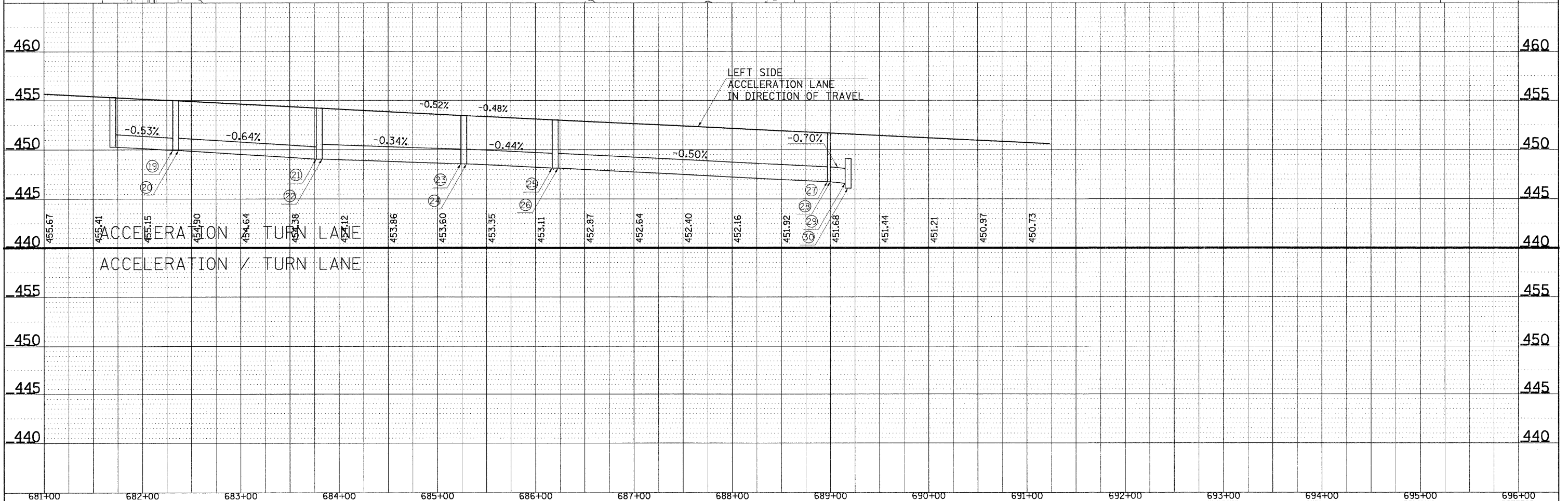
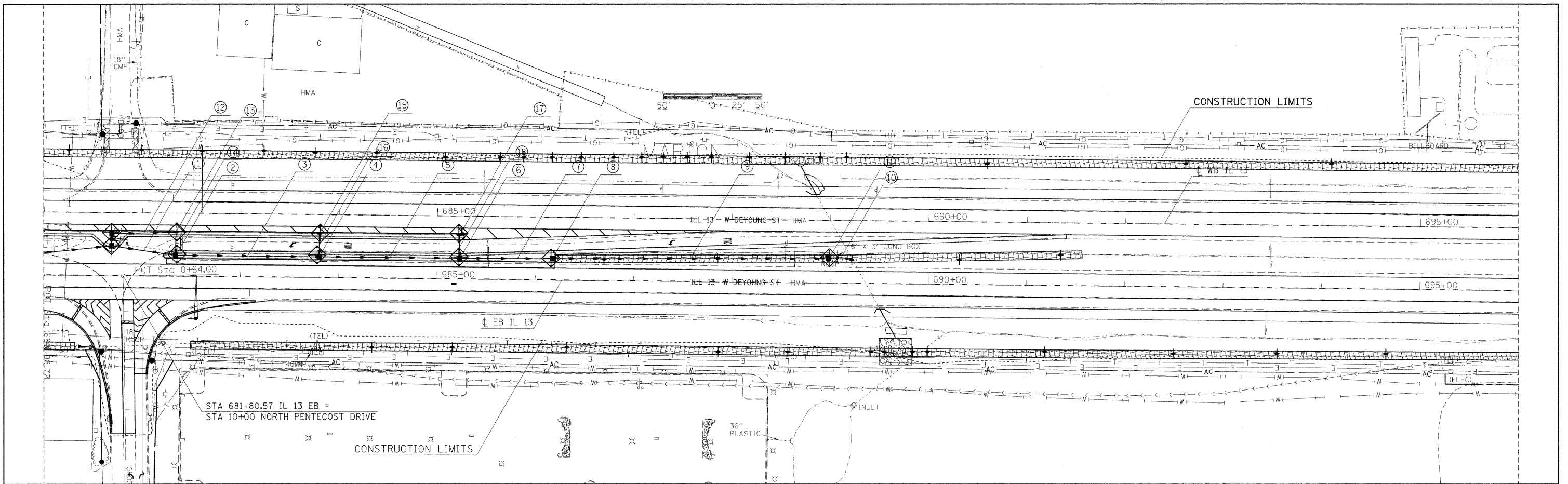
㊽ EL 450.94

① MEDIAN DITCH CHECK

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN PROFILE SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
g:\pwork\pwork\WID07\SHEPARDGD\dms47338\fdstml3-sht-drain.dgn		DRAWN -	REVISED -					331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	55
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____			CONTRACT NO. 98857				
	PLOT DATE = 10/14/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTED	
	NO. _____	



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN PROFILE SHEETS	F.A.P. RTE. 331	SECTION 1(1-2)N-2,R(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 56	
α:\p\work\VPWIDOT\SHEPARDGD\dms47330\fed	tim13-sht-dra.dgn	DRAWN -	REVISED -			SCALE: _____	SHEET NO. ____ OF ____ SHEETS	CONTRACT NO. 98857		ILLINOIS FED. AID PROJECT	
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -			STA. _____ TO STA. _____					
	PLOT DATE = 10/14/2009	DATE -	REVISED -								

① STORM SEWERS, CLASS A,
TYPE 2 15"
USFL 450.29
DSFL 449.98

⑨ STORM SEWERS, CLASS A,
TYPE 2 18"
USFL 448.11
DSFL 446.74

⑰ INLETS, SPECIAL, TYPE 3
EOS 453.85

⑳ EL 448.14

② INLETS, SPECIAL, TYPE 3
EOP 454.98
EOS 455.07

⑩ FLUSH INLET BOX FOR
MEDIAN STANDARD 542546
RIM 450.10

⑱ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 448.71
DSFL 448.53
SLOPE 1.00%

㉑ EL 448.11

③ STORM SEWERS, CLASS A,
TYPE 2 15"
USFL 449.94
DSFL 449.05

⑪ STORM SEWERS, CLASS A,
TYPE 2 18"
USFL 446.70
DSFL 446.59

⑲ EL 449.98

㉒ EL 446.74

④ INLETS, SPECIAL, TYPE 3
EOP 454.22
EOS 454.52

⑫ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 450.81
DSFL 450.17
SLOPE 1.00%

㉓ EL 449.94

㉔ EL 446.70

⑤ STORM SEWERS, CLASS A,
TYPE 2 18"
USFL 449.02
DSFL 448.55

⑬ INLETS, SPECIAL, TYPE 3
EOS 455.07

㉕ EL 449.05

㉕ EL 446.59

⑥ INLETS, SPECIAL, TYPE 3
EOP 453.46
EOS 453.85

⑭ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 450.14
DSFL 449.96
SLOPE 1.00%

㉖ EL 449.02

㉖ EL 446.09

⑦ STORM SEWERS, CLASS A,
TYPE 2 18"
USFL 448.52
DSFL 448.14

⑮ INLETS, SPECIAL, TYPE 3
EOS 454.48

㉗ EL 448.55

⑧ INLETS, SPECIAL, TYPE 3
EOP 453.02
EOS 453.45

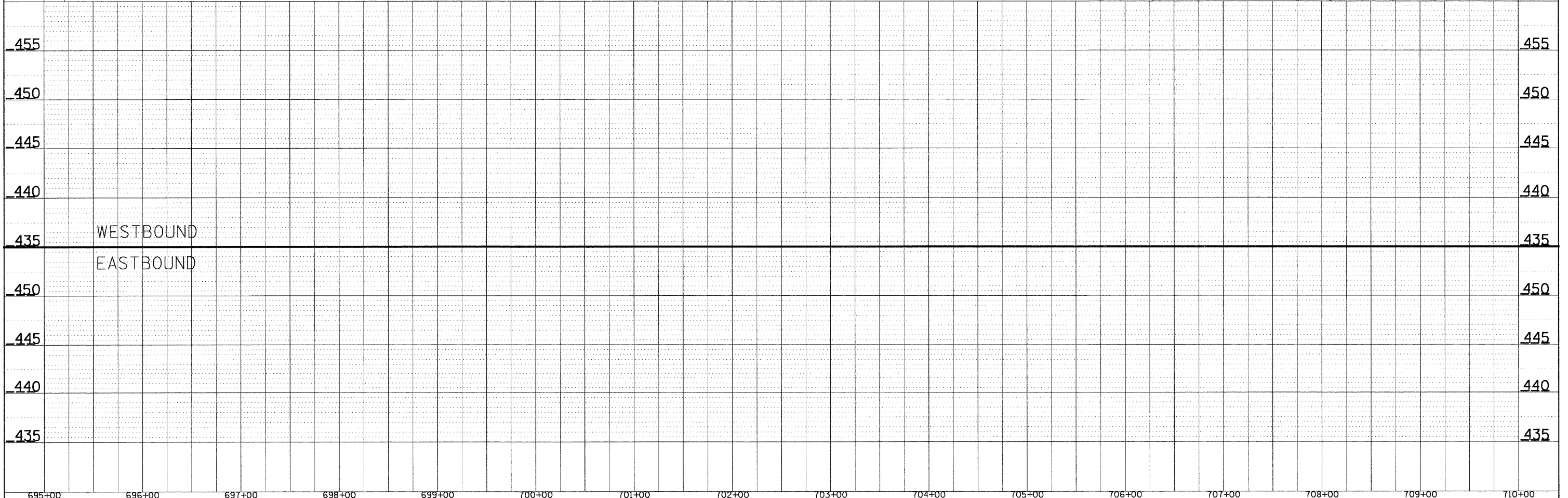
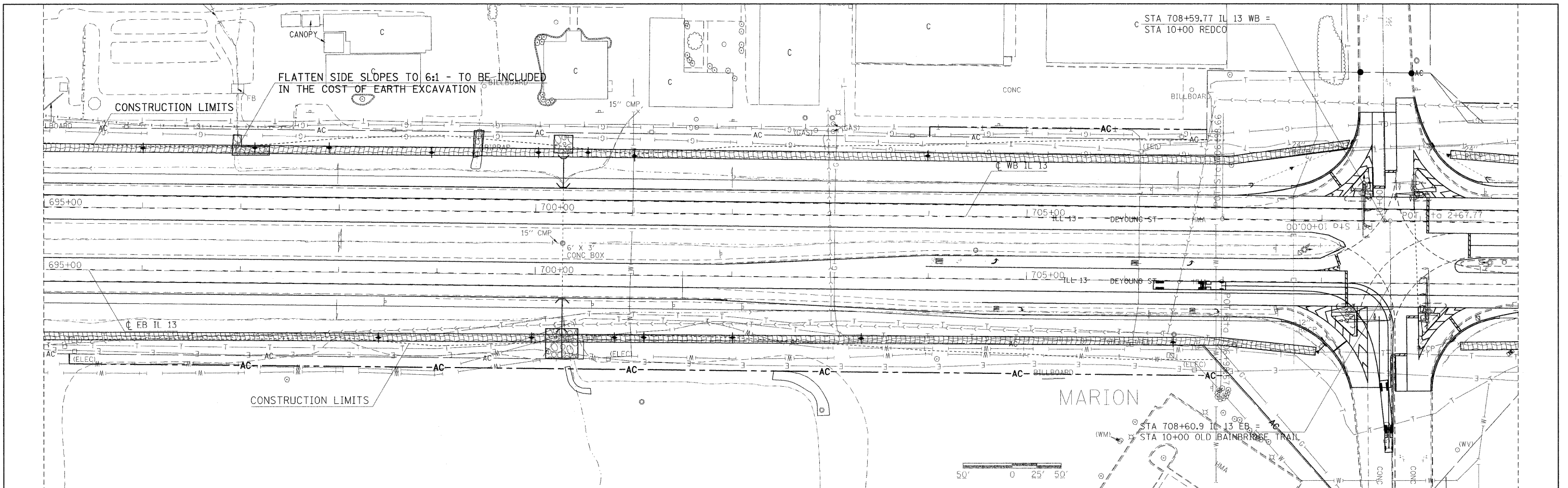
⑯ STORM SEWERS, CLASS A,
TYPE 2 12"
USFL 449.21
DSFL 449.03
SLOPE 1.00%

㉘ EL 448.52

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PLOT SCALE = 50.0000' / IN.	CHECKED - ___	REVISED - ___	SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____			CONTRACT NO. 98857				
PLOT DATE = 10/14/2009	DATE - _____	REVISED - ___	ILLINOIS FED. AID PROJECT							

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 ALLOWED _____
 CHECKED _____
 NOTE BOOK NO. _____
 CAD FILE NAME _____

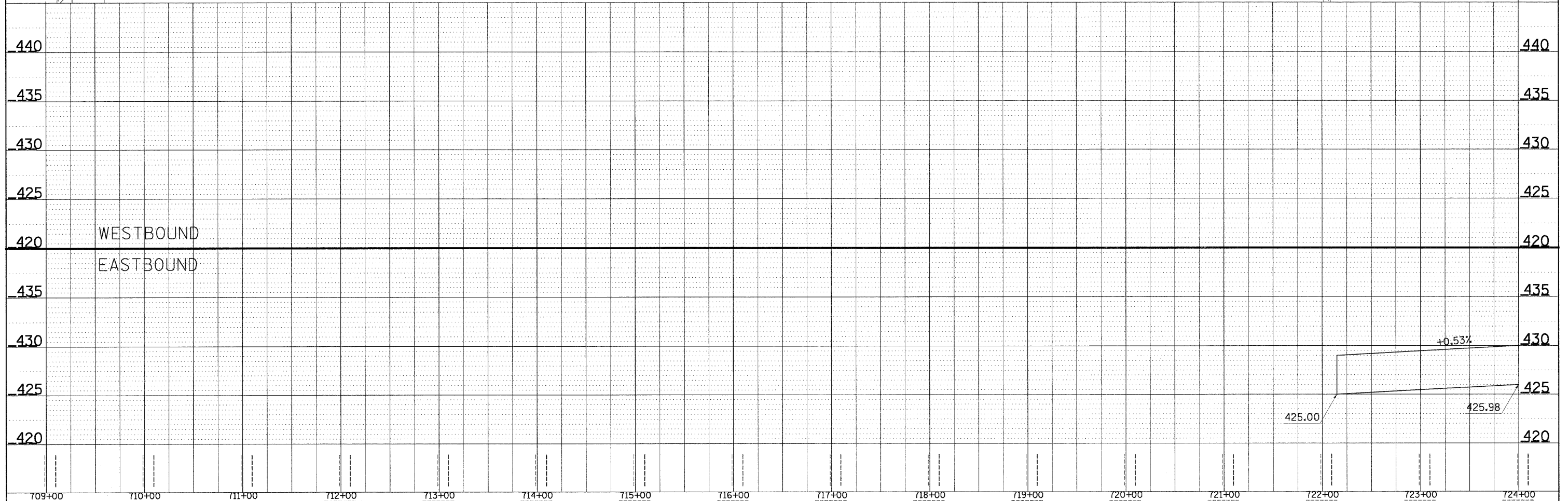
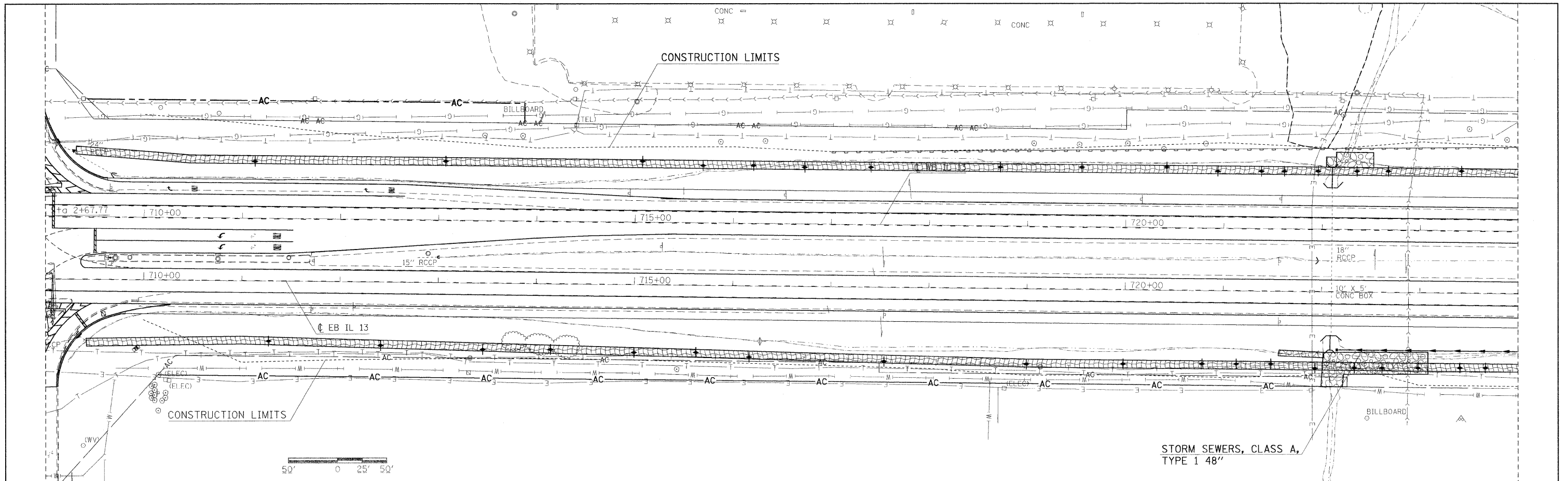
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 BY: _____
 SURVEYED _____
 PLOTTED _____
 GRADES CHECKED _____
 STRUCTURE NOTATIONS CHECKED _____
 NOTE BOOK NO. _____
 STRUTURE NOTATIONS CHECKED _____



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	PLOT SCALE = 50,0000' / IN.	DRAWN -	REVISED -		SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____			CONTRACT NO. 98857				
	PLOT DATE = 10/14/2009	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	CHECKED		
	FILE NAME		

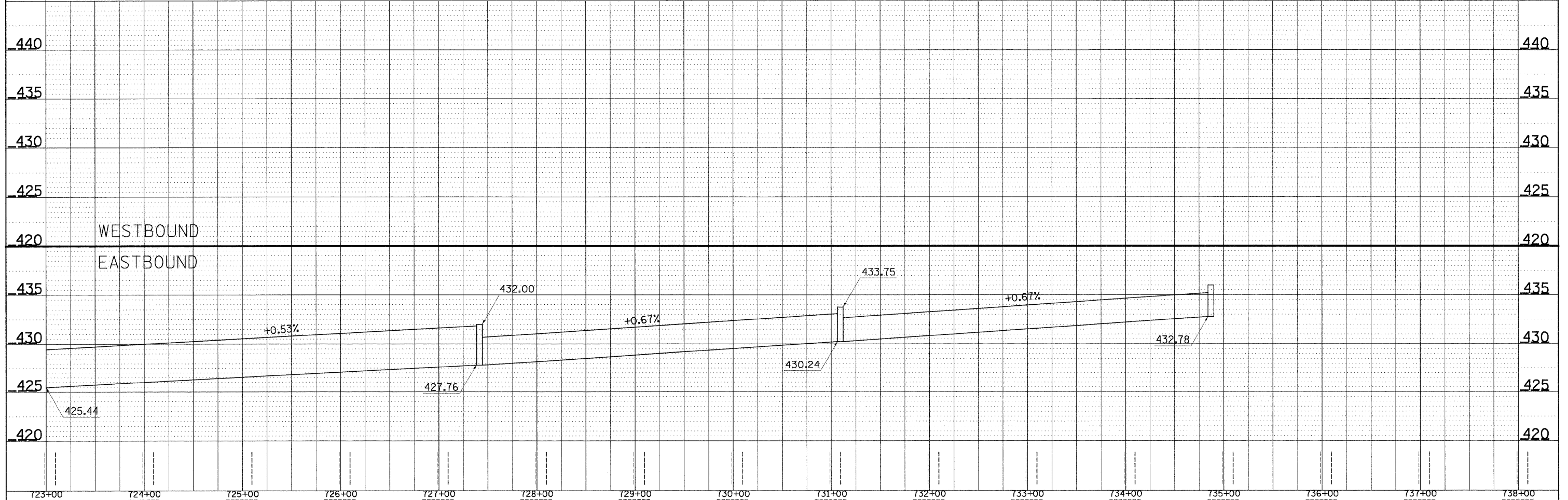
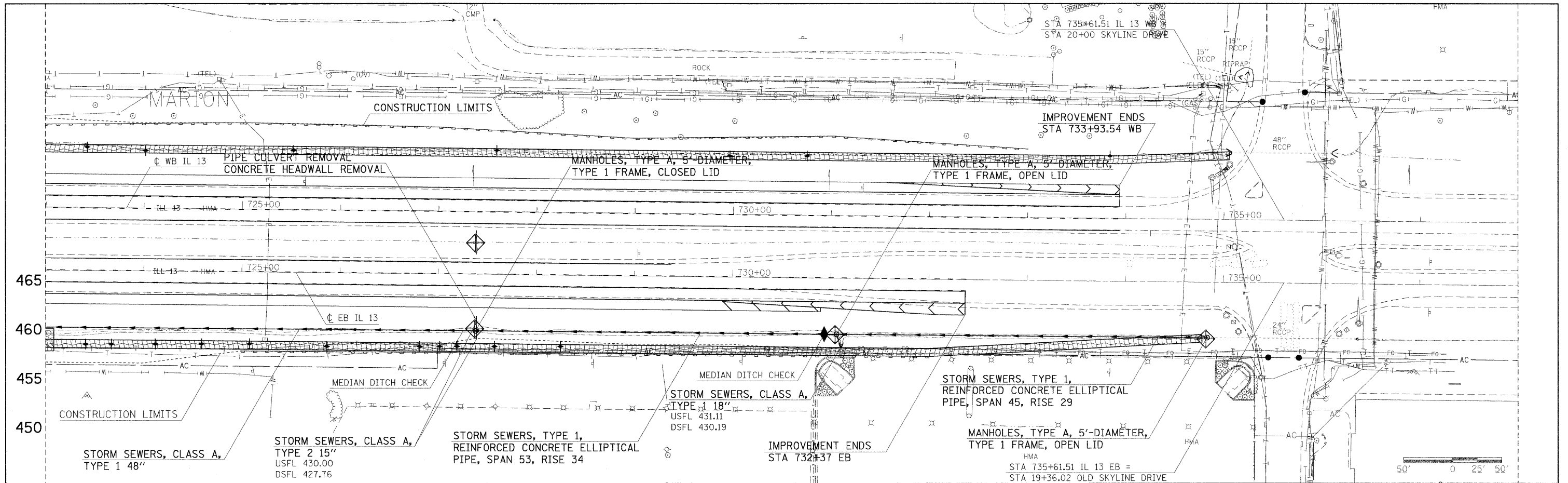
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	CHECKED		
	FILE NAME		



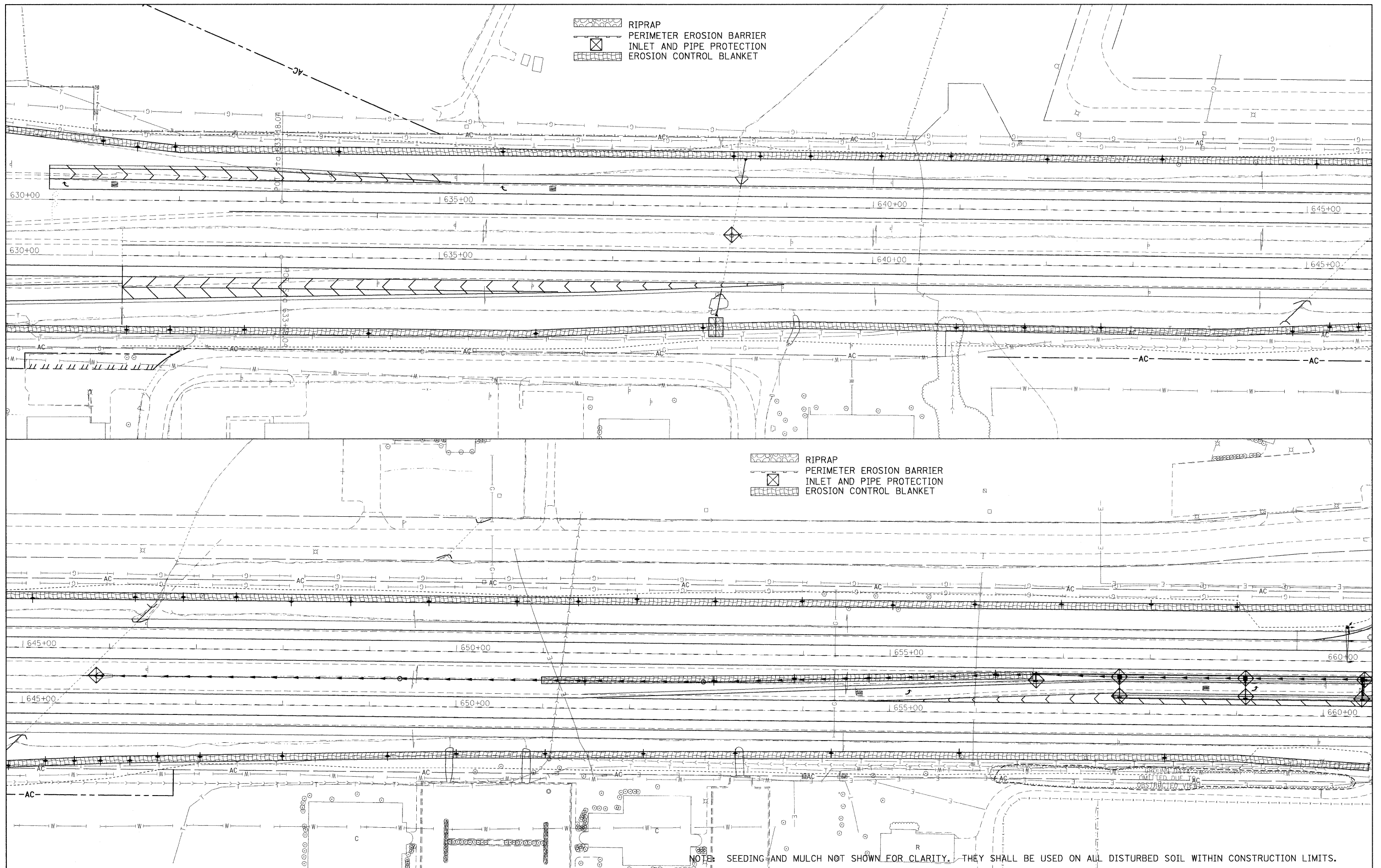
FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN PROFILE SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\PW\DOT\SHEPARDGD\dms47338\Fed	tim13-shr-draun.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R(1X-1)N-3,R-2	WILLIAMSON	202	59	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 12/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					





DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	FILE NAME
	NO.

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



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN PROFILE SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\p\work\p\WIDOT\SHEPARDGD\dms47330\fedst\m13-shd-drain.dgn	DRAWN -	REVISED -	331			(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	60	
PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 98857							
PLOT DATE = 12/14/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____										



 RIPRAP
 PERIMETER EROSION BARRIER
 INLET AND PIPE PROTECTION
 EROSION CONTROL BLANKET

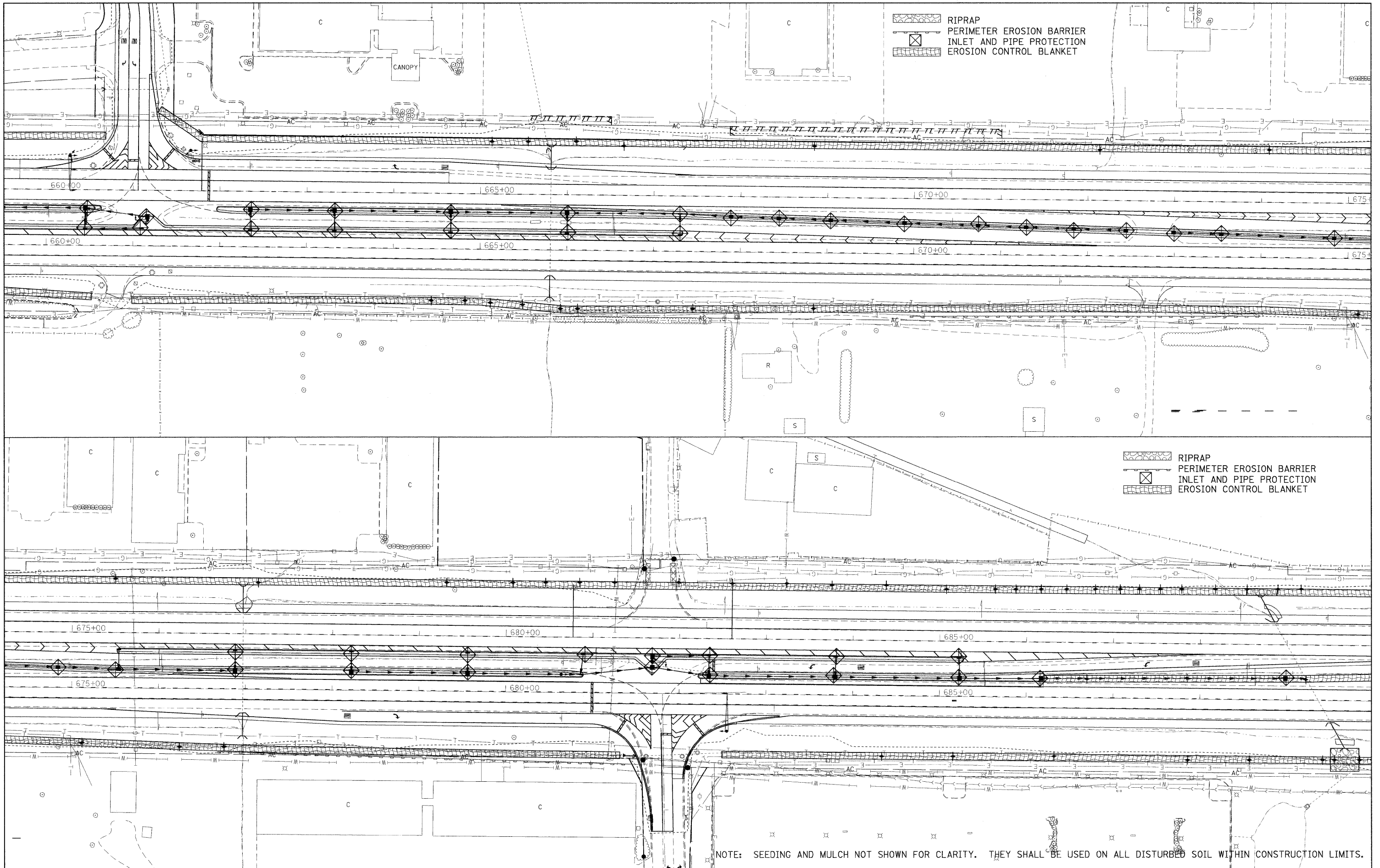
NOTE: SEEDING AND MULCH NOT SHOWN FOR CLARITY. THEY SHALL BE USED ON ALL DISTURBED SOIL WITHIN CONSTRUCTION LIMITS.

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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/14/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL SHEETS
 SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. 331	SECTION 11-21N-2,R(1X-11N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 61
CONTRACT NO. 98857				
ILLINOIS FED. AID PROJECT				



FILE NAME =
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USER NAME = shepardgd
 d\stml3-sht-drain.dgn
 PLOT SCALE = 50,0000 ' / IN.
 PLOT DATE = 10/14/2009

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -





REVISED -
 REVISED -
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 REVISED -

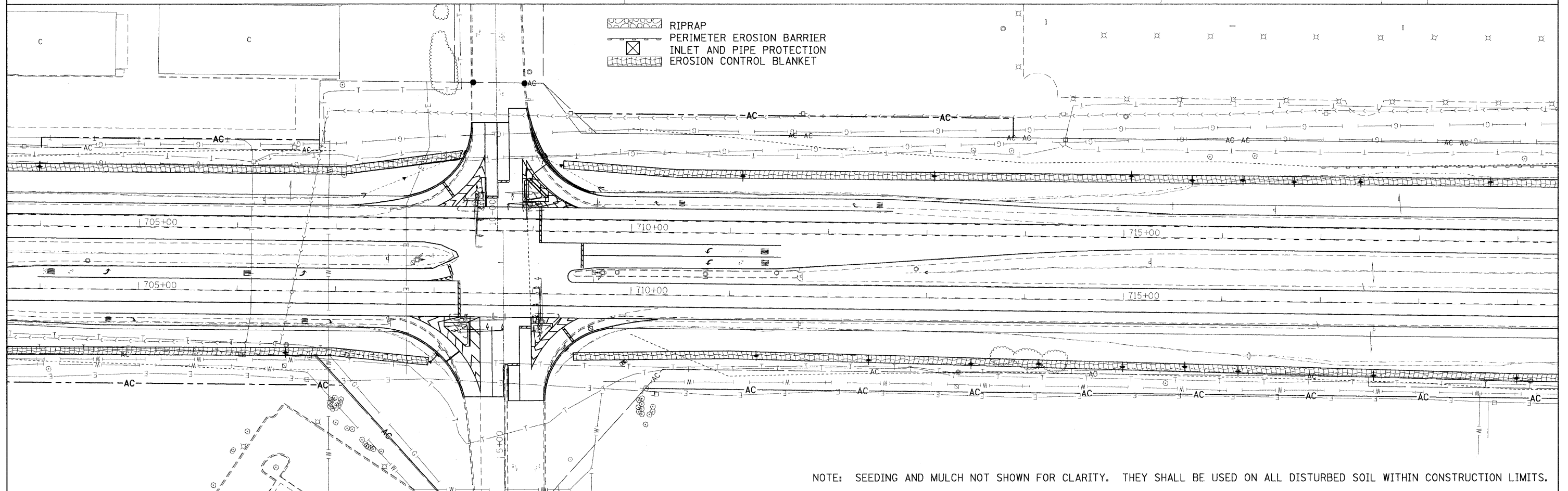
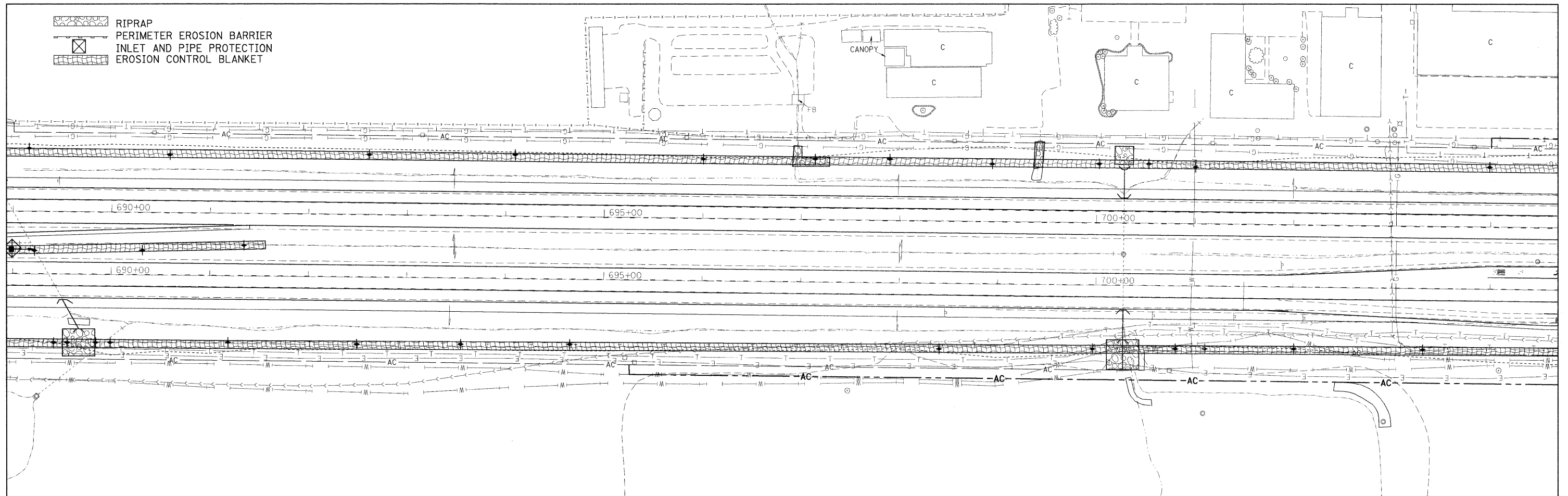
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL SHEETS

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

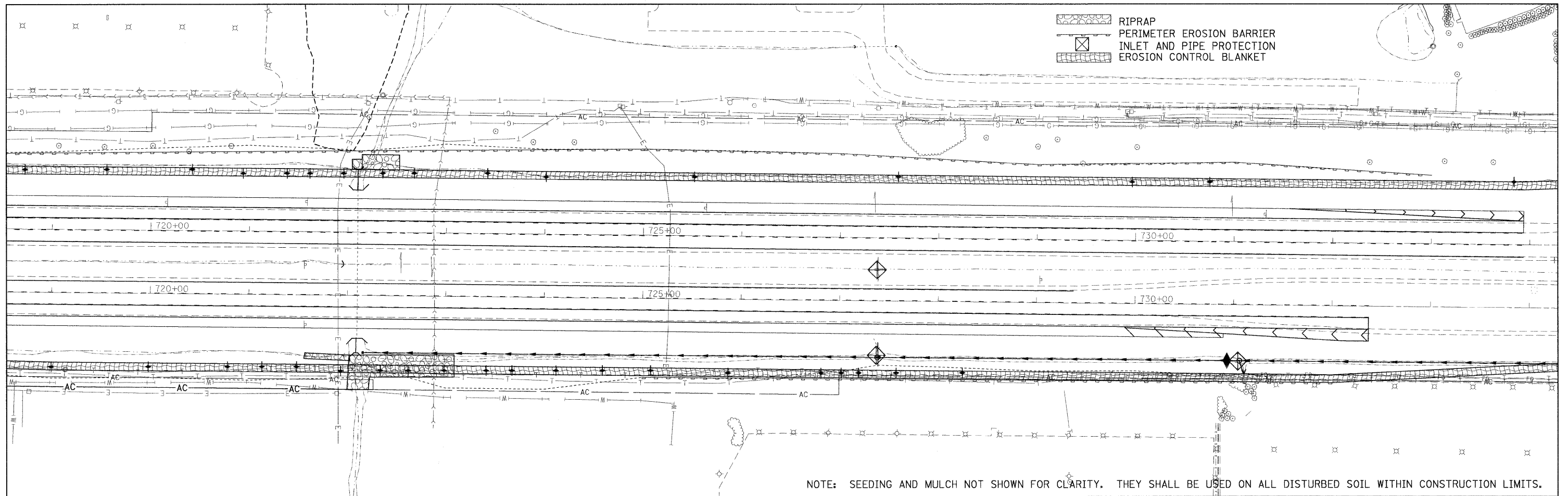
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	62
CONTRACT NO. 98857				
ILLINOIS FED. AID PROJECT				

-  RIPRAP
-  PERIMETER EROSION BARRIER
-  INLET AND PIPE PROTECTION
-  EROSION CONTROL BLANKET



NOTE: SEEDING AND MULCH NOT SHOWN FOR CLARITY. THEY SHALL BE USED ON ALL DISTURBED SOIL WITHIN CONSTRUCTION LIMITS.

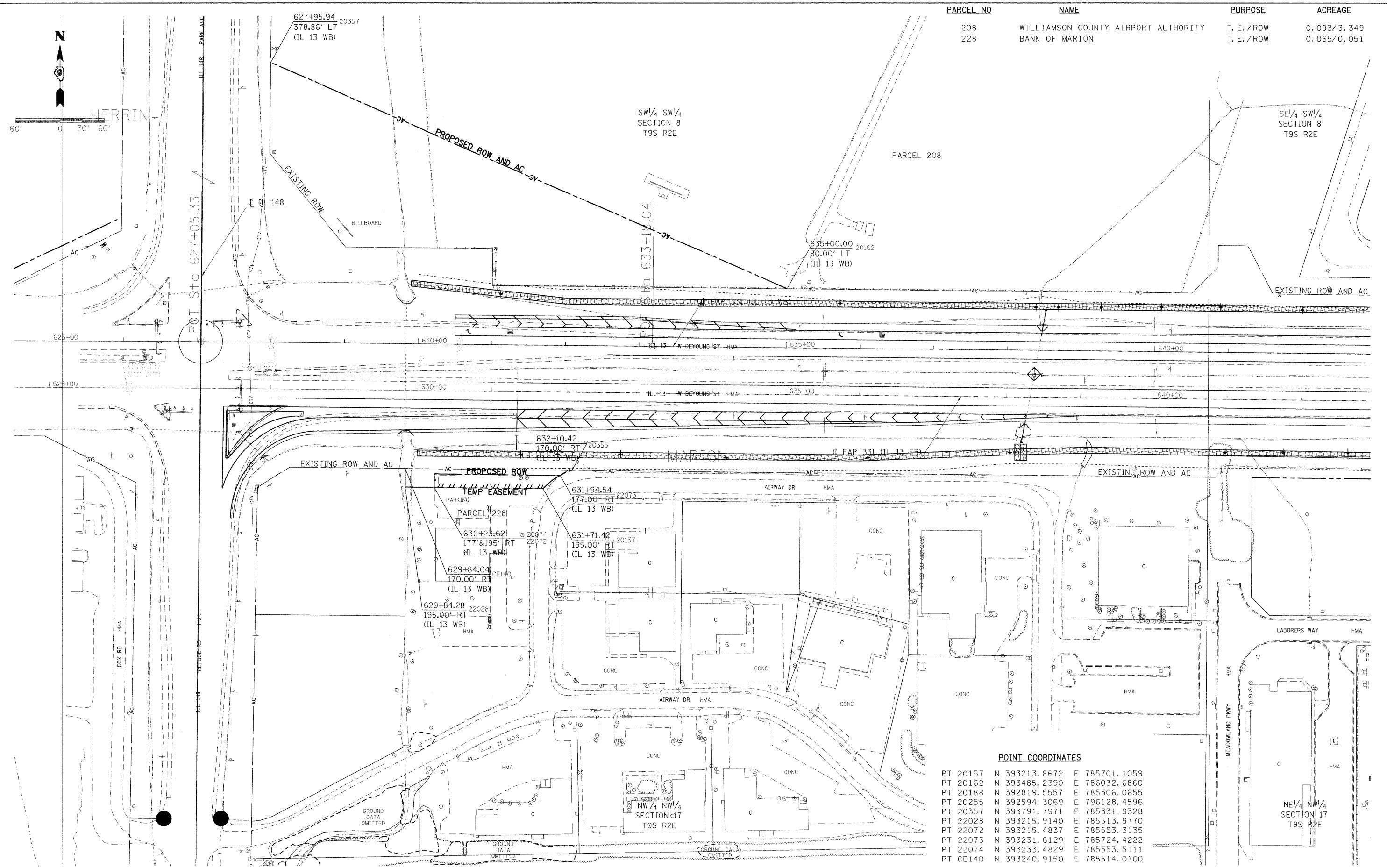
FILE NAME = c:\pwwork\p\WIDOT\SHEPARDO\dms47330\F	USER NAME = shepardgd dstml3-sht-drain.dgn	DESIGNED - DRAWN -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL SHEETS	F.A.P. RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 63
PLOT SCALE = 50,0000' / IN.		CHECKED -	DATE -	SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 98857 ILLINOIS FED. AID PROJECT				



NOTE: SEEDING AND MULCH NOT SHOWN FOR CLARITY. THEY SHALL BE USED ON ALL DISTURBED SOIL WITHIN CONSTRUCTION LIMITS.

FILE NAME = c:\pwwork\PWIDOT\SHEPARDGD\dms47338\F	USER NAME = shepardgd dstm13-sht-drain.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL SHEETS			F.A.P. RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 64
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 98857				
	PLOT DATE = 10/14/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

PARCEL NO	NAME	PURPOSE	ACREAGE
208	WILLIAMSON COUNTY AIRPORT AUTHORITY	T. E./ROW	0.093/3.349
228	BANK OF MARION	T. E./ROW	0.065/0.051



POINT COORDINATES

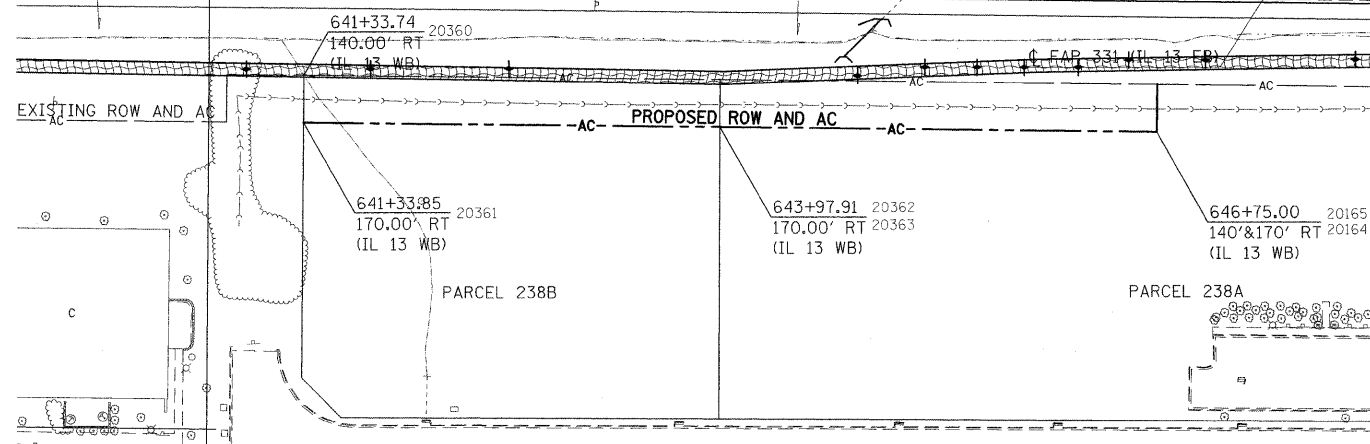
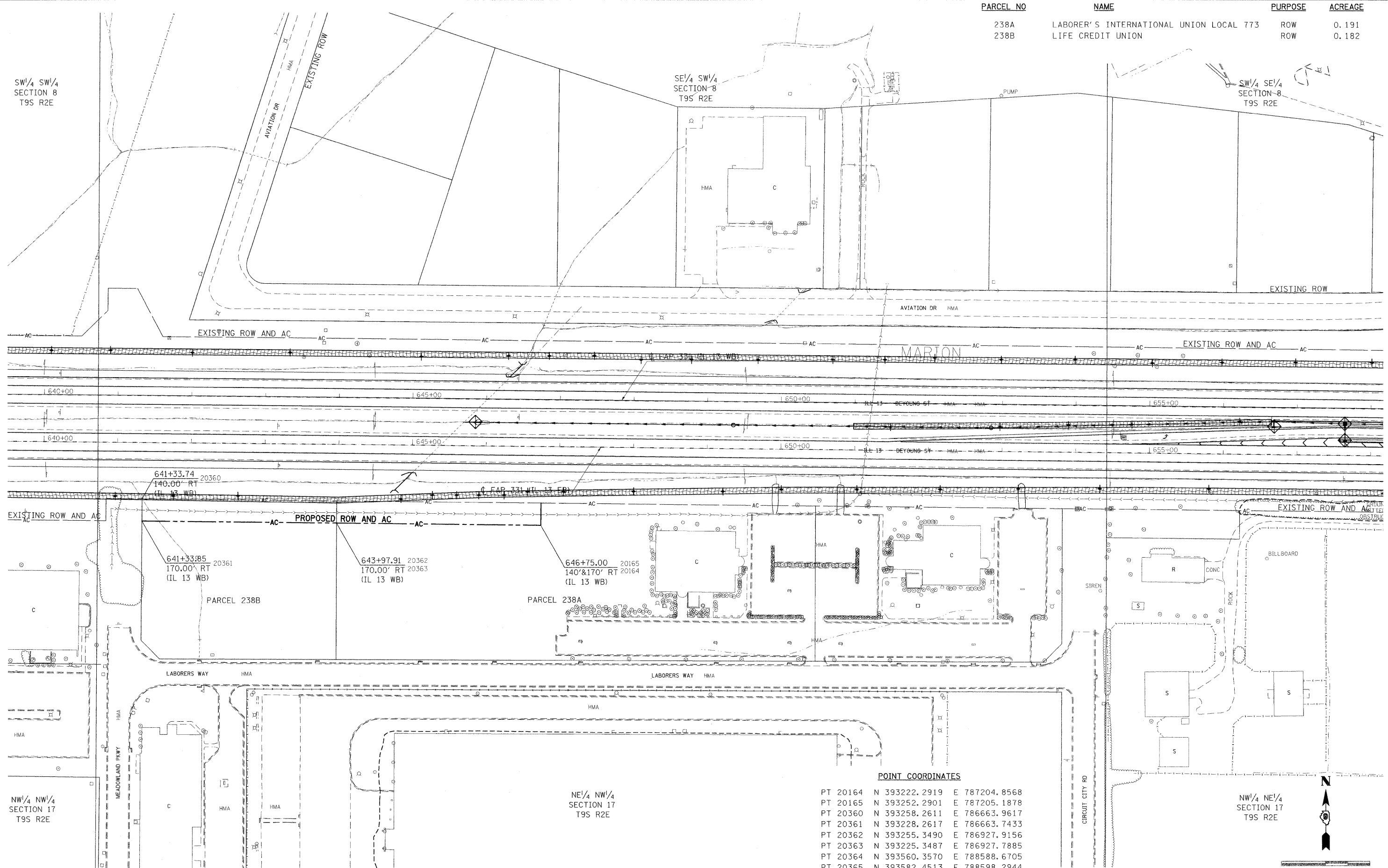
PT 20157	N 393213.8672	E 785701.1059
PT 20162	N 393485.2390	E 786032.6860
PT 20188	N 392819.5557	E 785306.0655
PT 20255	N 392594.3069	E 796128.4596
PT 20357	N 393791.7971	E 785331.9328
PT 22028	N 393215.9140	E 785513.9770
PT 22072	N 393215.4837	E 785553.3135
PT 22073	N 393231.6129	E 785724.4222
PT 22074	N 393233.4829	E 785553.5111
PT CE140	N 393240.9150	E 785514.0100

PARCEL NO	NAME	PURPOSE	ACREAGE
238A	LABORER'S INTERNATIONAL UNION LOCAL 773	ROW	0.191
238B	LIFE CREDIT UNION	ROW	0.182

SW/4 SW/4
SECTION 8
T9S R2E

SE/4 SW/4
SECTION 8
T9S R2E

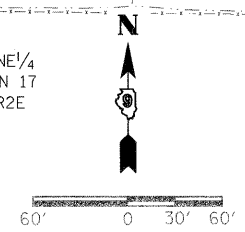
SW/4 SE/4
SECTION 8
T9S R2E



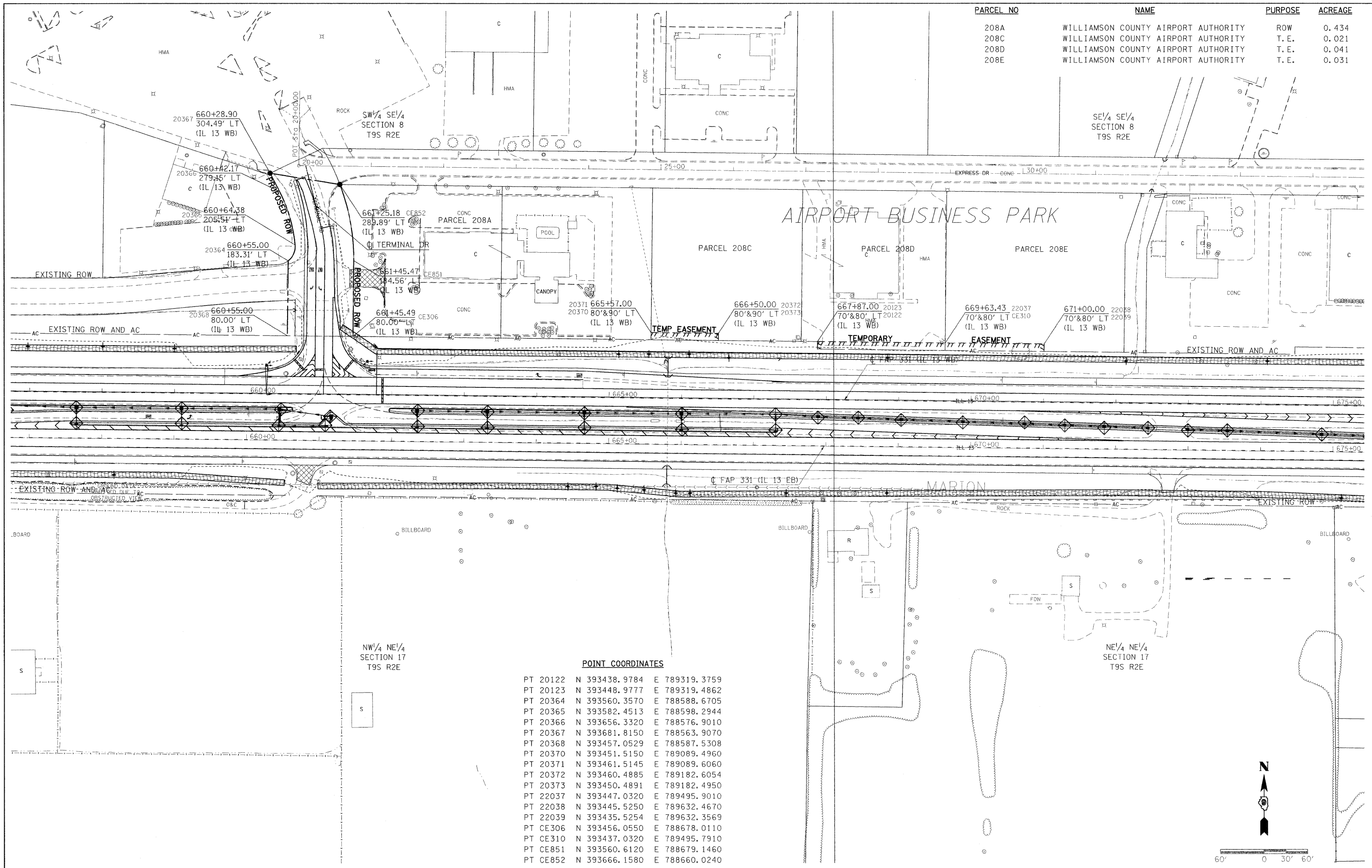
POINT COORDINATES

PT 20164	N 393222.2919	E 787204.8568
PT 20165	N 393252.2901	E 787205.1878
PT 20360	N 393258.2611	E 786663.9617
PT 20361	N 393228.2617	E 786663.7433
PT 20362	N 393255.3490	E 786927.9156
PT 20363	N 393225.3487	E 786927.7885
PT 20364	N 393560.3570	E 788588.6705
PT 20365	N 393582.4513	E 788598.2944

NW/4 NE/4
SECTION 17
T9S R2E



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 13 FROM IL 148 TO SKYLINE RIGHT OF WAY SHEET			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwidot\shepardgd\dms47330\F	dstiml3-sht-rowplan.dgn	DRAWN -	REVISED -					331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	66
	PLOT SCALE = 60.0000' / IN.	CHECKED -	REVISED -					CONTRACT NO. 98857				
	PLOT DATE = 10/14/2009	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE: 1"=60'	SHEET NO.	OF SHEETS	STA. 640+00	TO STA. 658+00			

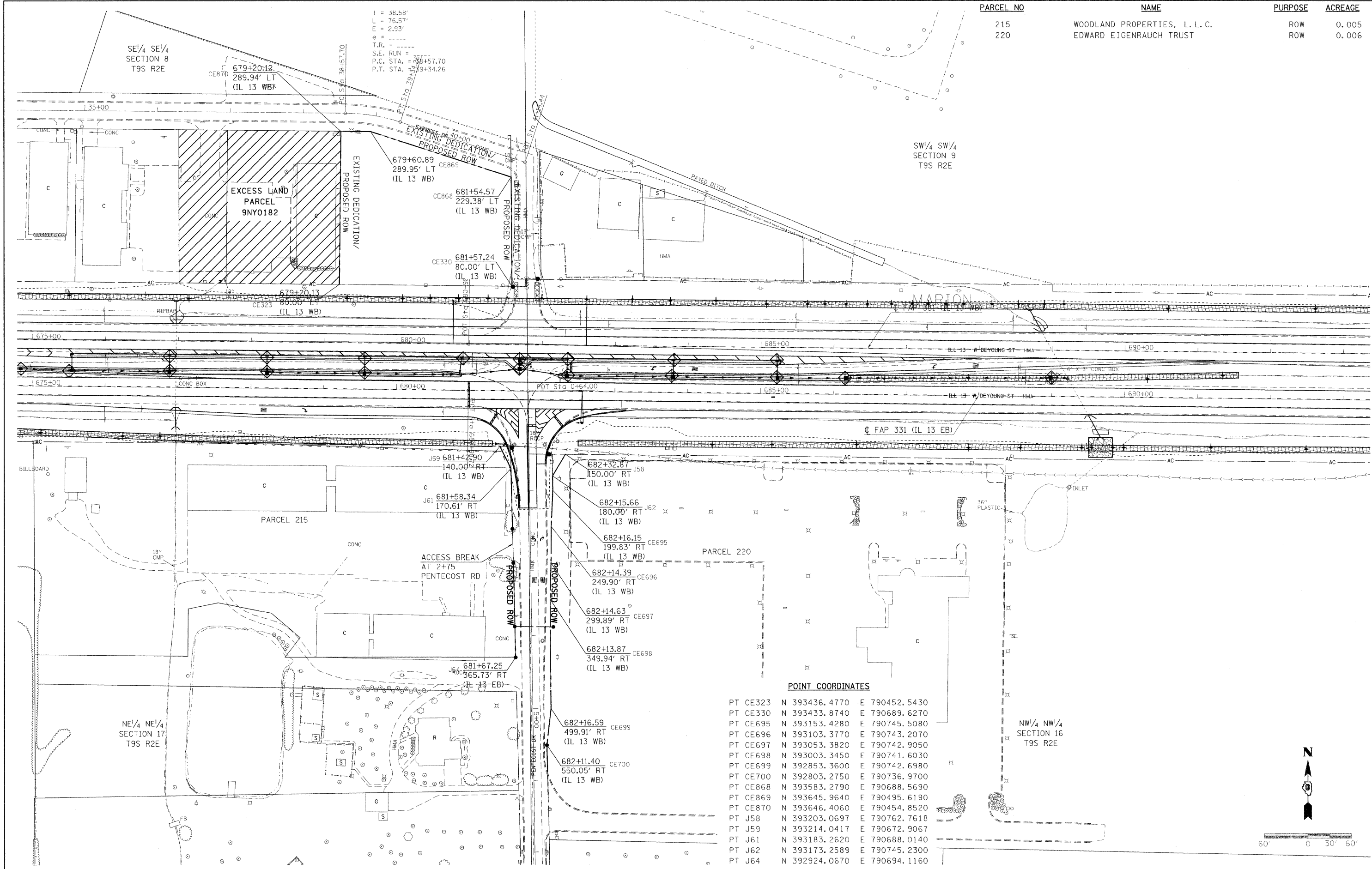


PARCEL NO	NAME	PURPOSE	ACREAGE
208A	WILLIAMSON COUNTY AIRPORT AUTHORITY	ROW	0.434
208C	WILLIAMSON COUNTY AIRPORT AUTHORITY	T. E.	0.021
208D	WILLIAMSON COUNTY AIRPORT AUTHORITY	T. E.	0.041
208E	WILLIAMSON COUNTY AIRPORT AUTHORITY	T. E.	0.031

POINT COORDINATES

PT 20122	N	393438.9784	E	789319.3759
PT 20123	N	393448.9777	E	789319.4862
PT 20364	N	393560.3570	E	788588.6705
PT 20365	N	393582.4513	E	788598.2944
PT 20366	N	393656.3320	E	788576.9010
PT 20367	N	393681.8150	E	788563.9070
PT 20368	N	393457.0529	E	788587.5308
PT 20370	N	393451.5150	E	789089.4960
PT 20371	N	393461.5145	E	789089.6060
PT 20372	N	393460.4885	E	789182.6054
PT 20373	N	393450.4891	E	789182.4950
PT 22037	N	393447.0320	E	789495.9010
PT 22038	N	393445.5250	E	789632.4670
PT 22039	N	393435.5254	E	789632.3569
PT CE306	N	393456.0550	E	788678.0110
PT CE310	N	393437.0320	E	789495.7910
PT CE851	N	393560.6120	E	788679.1460
PT CE852	N	393666.1580	E	788660.0240

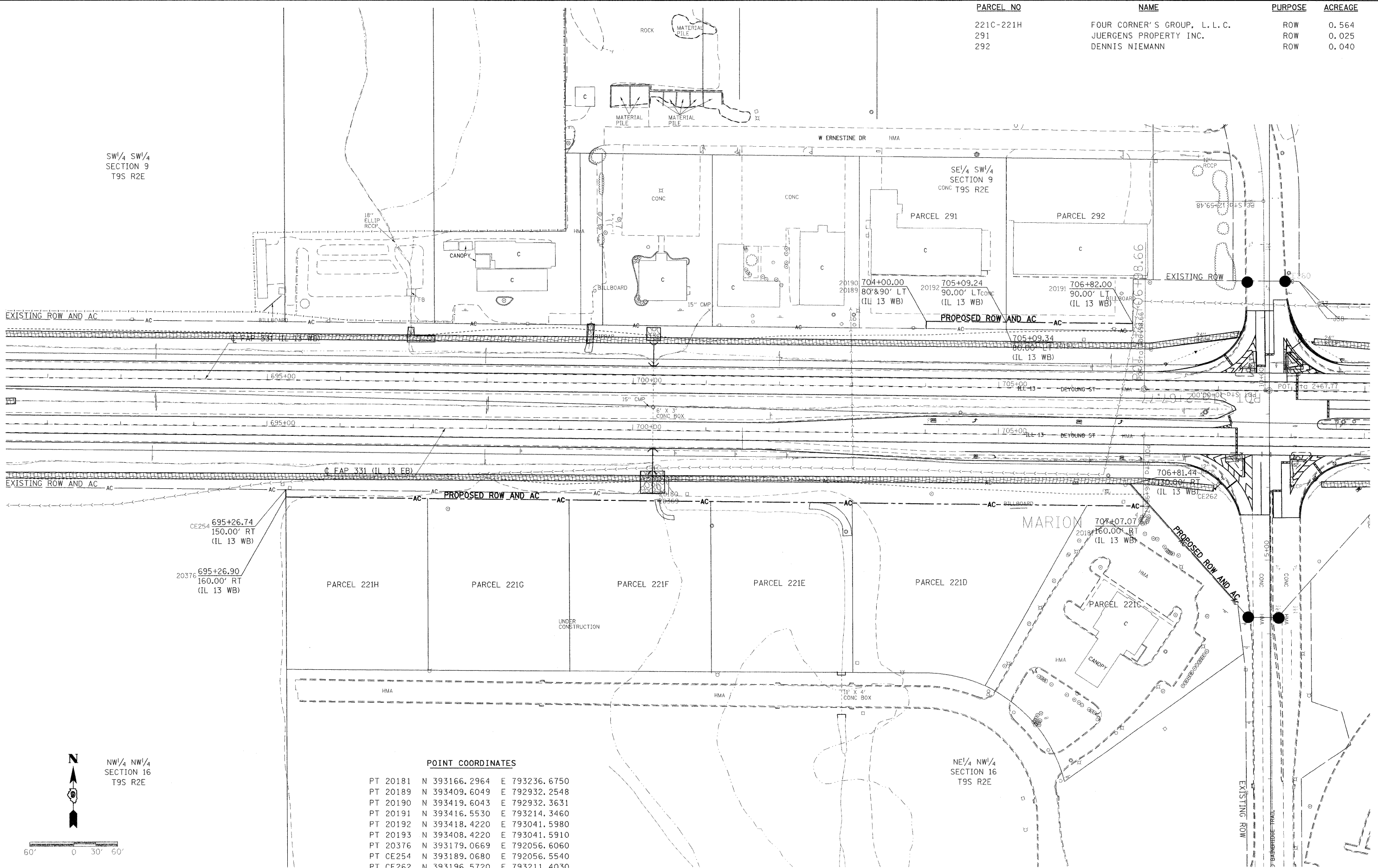
PARCEL NO	NAME	PURPOSE	ACREAGE
215	WOODLAND PROPERTIES, L.L.C.	ROW	0.005
220	EDWARD EIGENRAUCH TRUST	ROW	0.006



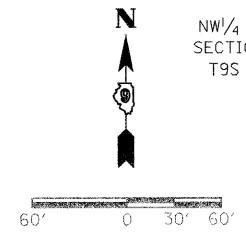
FILE NAME =	USER NAME = shepardad	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 13 FROM IL 148 TO SKYLINE RIGHT OF WAY SHEET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
0:\pwork\p\WIDOT\SHEPARDAD\dms47330\F	dstiml3-sht-rowplan.dgn	DRAWN -	REVISED -			331	(1-2IN-2,R)(1X-1N-3,R-2	WILLIAMSON	202	68	
	PLOT SCALE = 60.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

PARCEL NO	NAME	PURPOSE	ACREAGE
221C-221H	FOUR CORNER'S GROUP, L. L. C.	ROW	0.564
291	JUERGENS PROPERTY INC.	ROW	0.025
292	DENNIS NIEMANN	ROW	0.040

SW/4 SW/4
SECTION 9
T9S R2E



NW/4 NW/4
SECTION 16
T9S R2E



POINT COORDINATES

PT 20181	N	393166.2964	E	793236.6750
PT 20189	N	393409.6049	E	792932.2548
PT 20190	N	393419.6043	E	792932.3631
PT 20191	N	393416.5530	E	793214.3460
PT 20192	N	393418.4220	E	793041.5980
PT 20193	N	393408.4220	E	793041.5910
PT 20376	N	393179.0669	E	792056.6060
PT CE254	N	393189.0680	E	792056.5540
PT CE262	N	393196.5720	E	793211.4030

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USER NAME = shepardgd
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PLOT SCALE = 60.0000' / IN.
PLOT DATE = 10/14/2009

DESIGNED -
DRAWN -
CHECKED -
DATE -

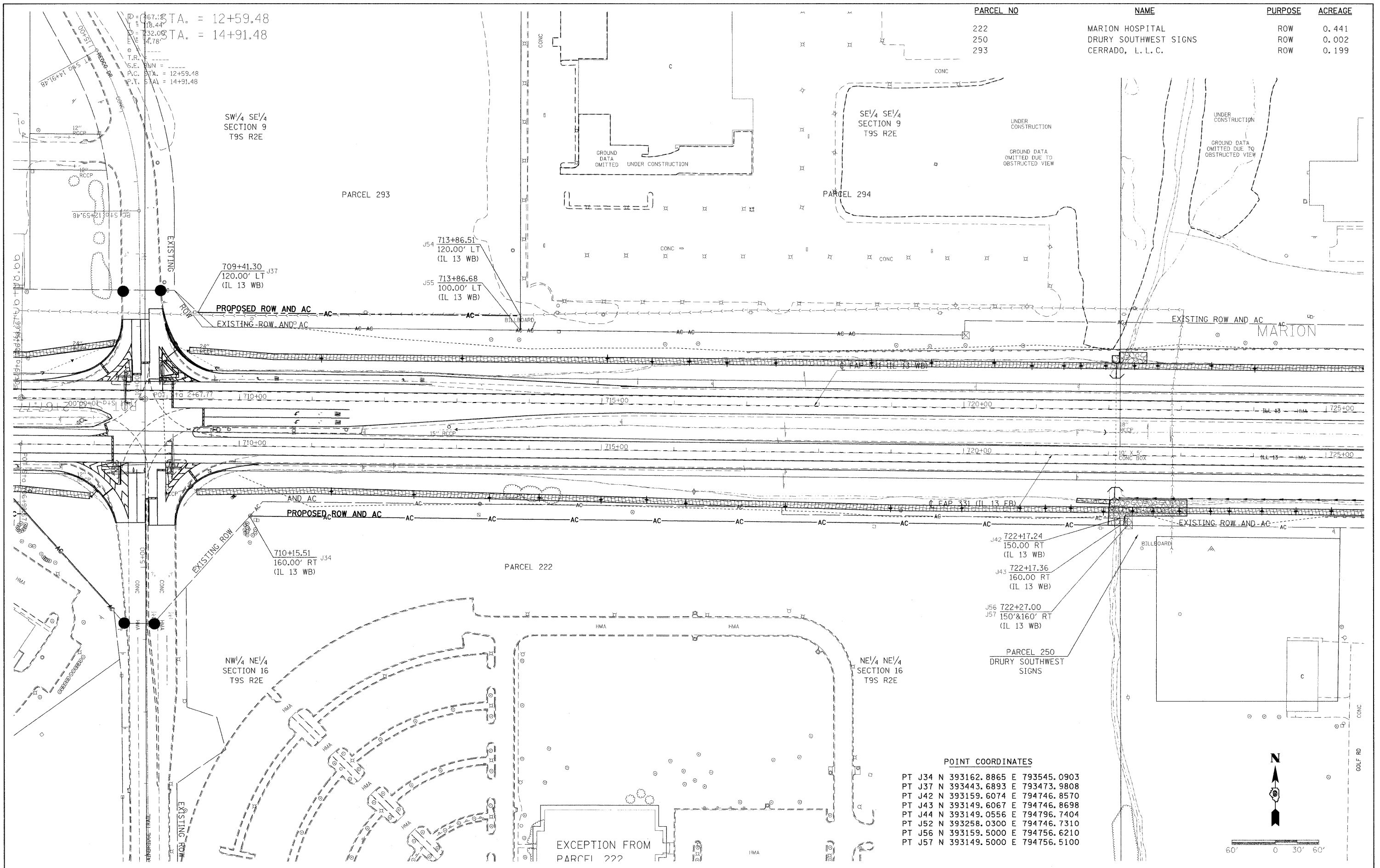
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 13 FROM IL 148 TO SKYLINE
RIGHT OF WAY SHEET**

SCALE: 1"=60' SHEET NO. OF SHEETS STA. 692+00 TO STA. 710+00

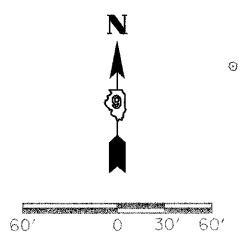
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	69
CONTRACT NO. 98857				
ILLINOIS FED. AID PROJECT				



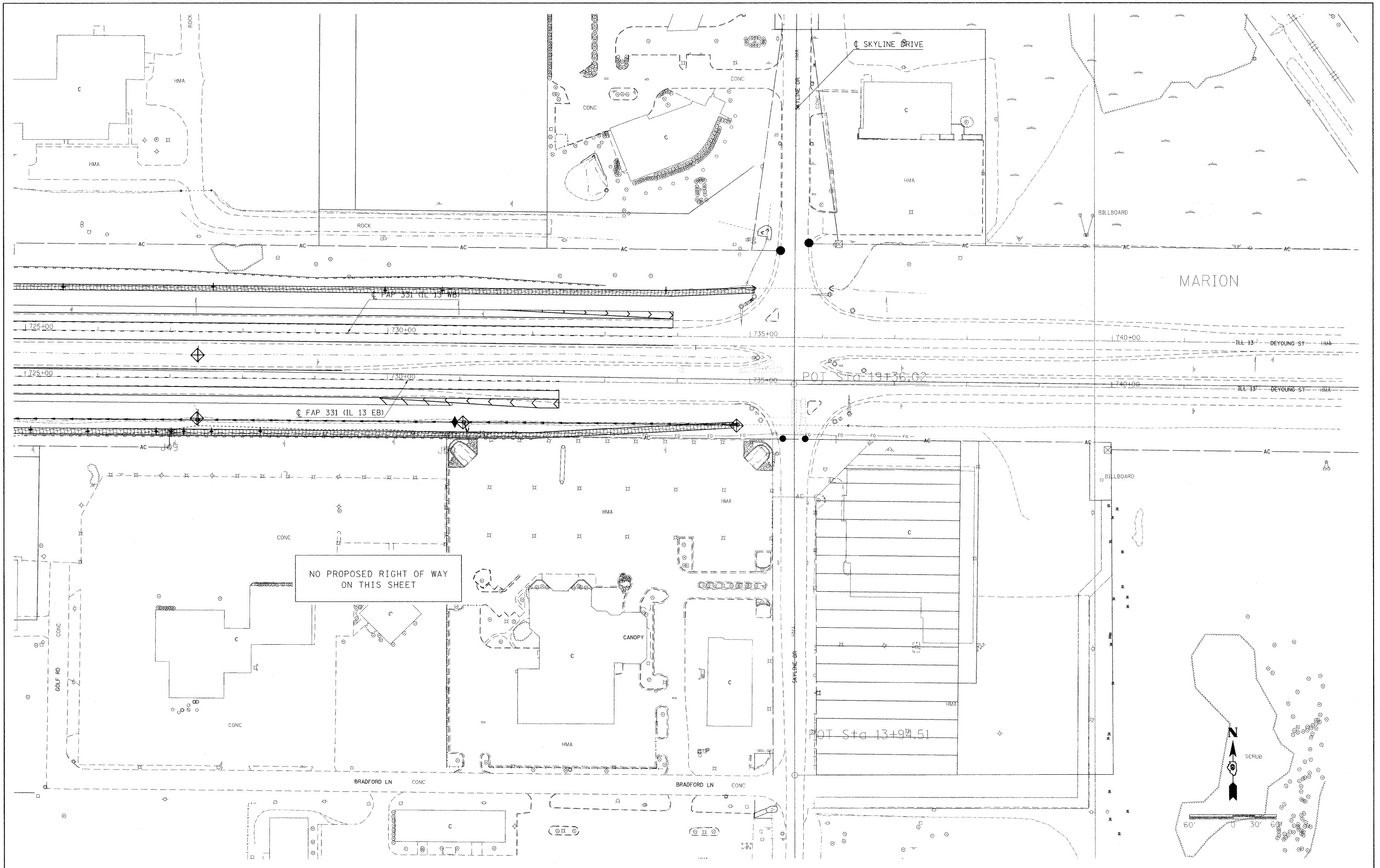
PARCEL NO	NAME	PURPOSE	ACREAGE
222	MARION HOSPITAL	ROW	0.441
250	DRURY SOUTHWEST SIGNS	ROW	0.002
293	CERRADO, L. L. C.	ROW	0.199

POINT COORDINATES

PT J34	N 393162.8865	E 793545.0903
PT J37	N 393443.6893	E 793473.9808
PT J42	N 393159.6074	E 794746.8570
PT J43	N 393149.6067	E 794746.8698
PT J44	N 393149.0556	E 794796.7404
PT J52	N 393258.0300	E 794746.7310
PT J56	N 393159.5000	E 794756.6210
PT J57	N 393149.5000	E 794756.5100



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 13 FROM IL 148 TO SKYLINE RIGHT OF WAY SHEET			F.A.P. RTE. 331	SECTION (1-2)N-2,R(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 70
cd:\px_work\PWIDOT\SHEPARDGD\dms47338\	dstim13-ahf-rowplan.dgn	DRAWN -	REVISED -		SCALE: 1"=60'	SHEET NO.	OF SHEETS	STA. 707+00	TO STA. 725+00	CONTRACT NO. 98857		
	PLOT SCALE = 60,0000' / IN.	CHECKED -	REVISED -							ILLINOIS FED. AID PROJECT		
	PLOT DATE = 10/14/2009	DATE -	REVISED -									



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USER NAME = shepardgd
 dstm13-ahtrawplan.dgn
 PLOT SCALE = 00.0000' / IN.
 PLOT DATE = 10/14/2009

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

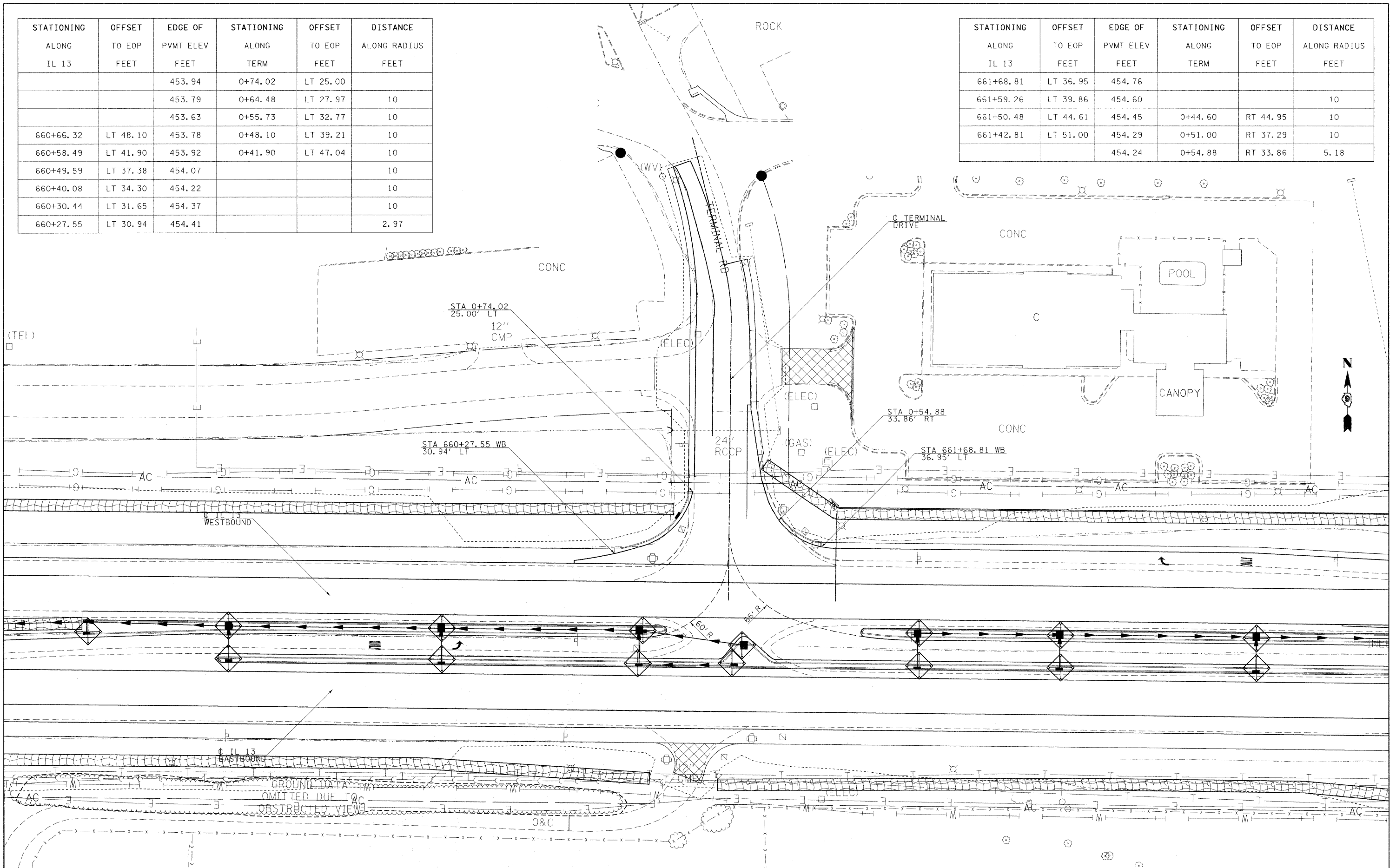
**IL 13 FROM IL 148 TO SKYLINE
 RIGHT OF WAY SHEET**

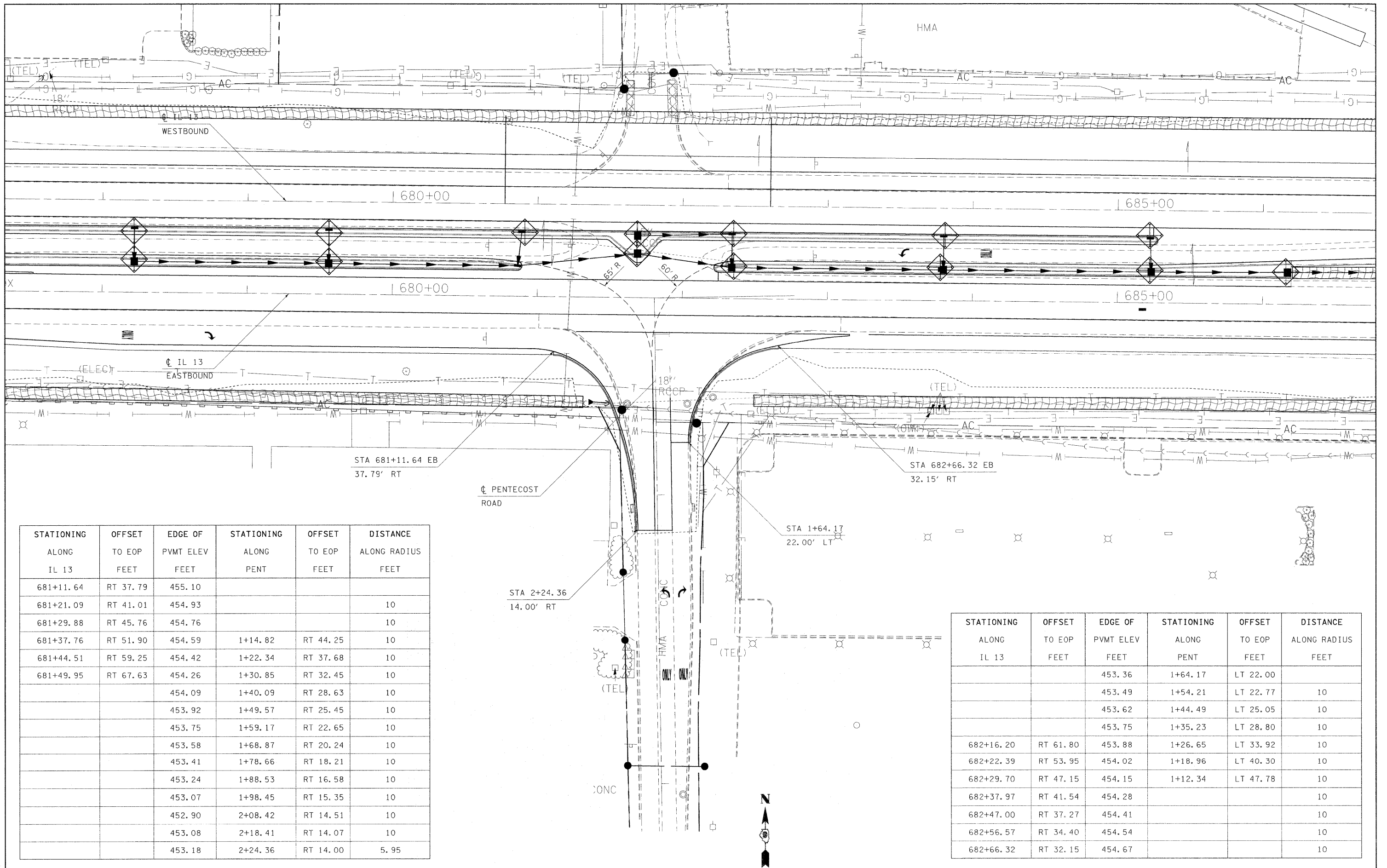
SCALE: 1"=60' SHEET NO. OF SHEETS STA. 725+00 TO STA. 743+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	71
CONTRACT NO. 98857				
ILLINOIS FED. AID PROJECT				

STATIONING ALONG IL 13	OFFSET TO EOP FEET	EDGE OF PVMT ELEV FEET	STATIONING ALONG TERM	OFFSET TO EOP FEET	DISTANCE ALONG RADIUS FEET
		453.94	0+74.02	LT 25.00	
		453.79	0+64.48	LT 27.97	10
		453.63	0+55.73	LT 32.77	10
660+66.32	LT 48.10	453.78	0+48.10	LT 39.21	10
660+58.49	LT 41.90	453.92	0+41.90	LT 47.04	10
660+49.59	LT 37.38	454.07			10
660+40.08	LT 34.30	454.22			10
660+30.44	LT 31.65	454.37			10
660+27.55	LT 30.94	454.41			2.97

STATIONING ALONG IL 13	OFFSET TO EOP FEET	EDGE OF PVMT ELEV FEET	STATIONING ALONG TERM	OFFSET TO EOP FEET	DISTANCE ALONG RADIUS FEET
661+68.81	LT 36.95	454.76			
661+59.26	LT 39.86	454.60			10
661+50.48	LT 44.61	454.45	0+44.60	RT 44.95	10
661+42.81	LT 51.00	454.29	0+51.00	RT 37.29	10
		454.24	0+54.88	RT 33.86	5.18



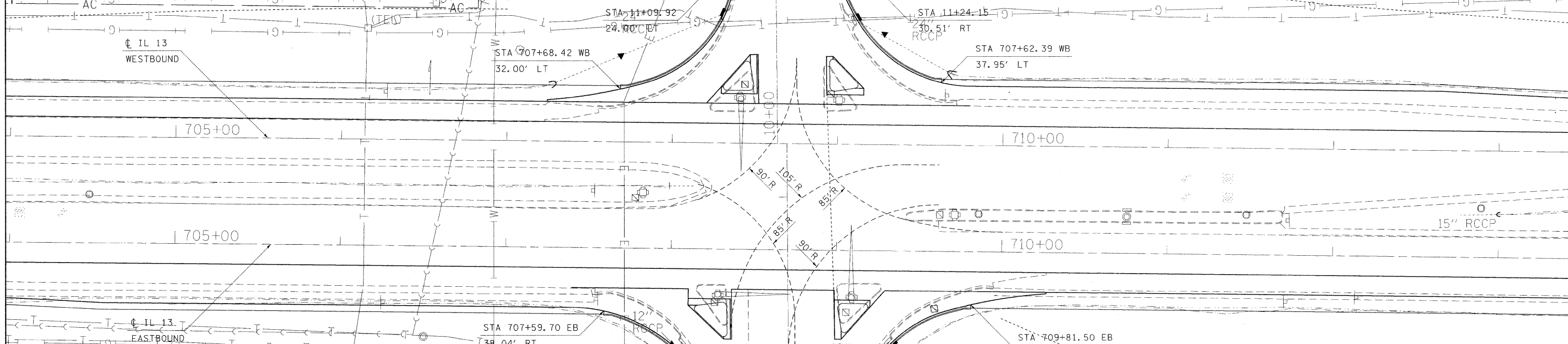


STATIONING ALONG IL 13	OFFSET TO EOP FEET	EDGE OF PAVMT ELEV FEET	STATIONING ALONG PENT	OFFSET TO EOP FEET	DISTANCE ALONG RADIUS FEET
681+11.64	RT 37.79	455.10			
681+21.09	RT 41.01	454.93			10
681+29.88	RT 45.76	454.76			10
681+37.76	RT 51.90	454.59	1+14.82	RT 44.25	10
681+44.51	RT 59.25	454.42	1+22.34	RT 37.68	10
681+49.95	RT 67.63	454.26	1+30.85	RT 32.45	10
		454.09	1+40.09	RT 28.63	10
		453.92	1+49.57	RT 25.45	10
		453.75	1+59.17	RT 22.65	10
		453.58	1+68.87	RT 20.24	10
		453.41	1+78.66	RT 18.21	10
		453.24	1+88.53	RT 16.58	10
		453.07	1+98.45	RT 15.35	10
		452.90	2+08.42	RT 14.51	10
		453.08	2+18.41	RT 14.07	10
		453.18	2+24.36	RT 14.00	5.95

STATIONING ALONG IL 13	OFFSET TO EOP FEET	EDGE OF PAVMT ELEV FEET	STATIONING ALONG PENT	OFFSET TO EOP FEET	DISTANCE ALONG RADIUS FEET
		453.36	1+64.17	LT 22.00	
		453.49	1+54.21	LT 22.77	10
		453.62	1+44.49	LT 25.05	10
		453.75	1+35.23	LT 28.80	10
682+16.20	RT 61.80	453.88	1+26.65	LT 33.92	10
682+22.39	RT 53.95	454.02	1+18.96	LT 40.30	10
682+29.70	RT 47.15	454.15	1+12.34	LT 47.78	10
682+37.97	RT 41.54	454.28			10
682+47.00	RT 37.27	454.41			10
682+56.57	RT 34.40	454.54			10
682+66.32	RT 32.15	454.67			10

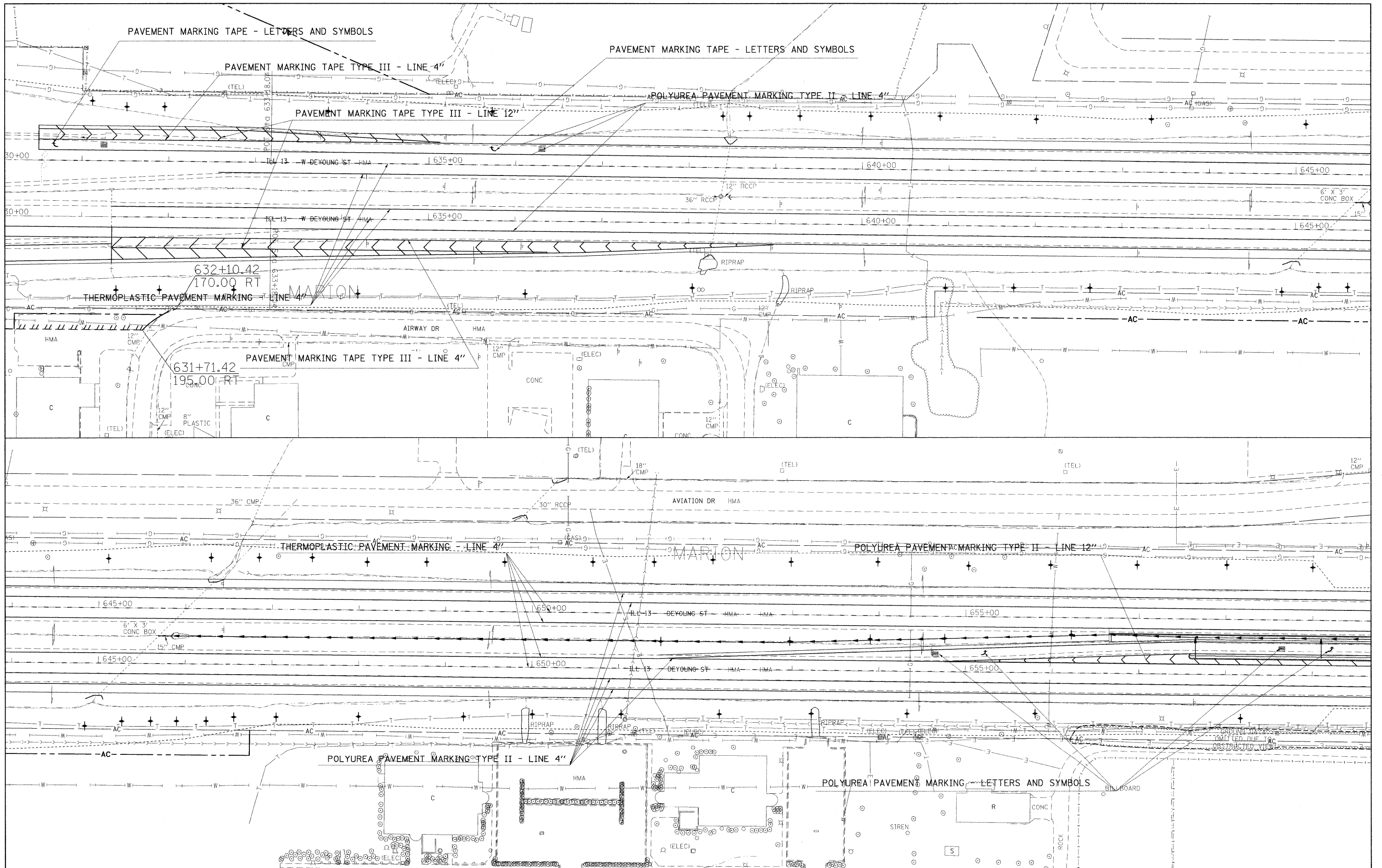
STATIONING ALONG IL 13	OFFSET TO EOP FEET	EDGE OF PAVT ELEV FEET	STATIONING ALONG REDCO	OFFSET TO EOP FEET	DISTANCE ALONG RADIUS FEET
		442.18	11+09.92	LT 24.00	
		441.96	10+99.95	LT 24.67	10
		441.74	10+90.16	LT 26.65	10
		441.52	10+80.71	LT 29.92	10
		441.51	10+71.79	LT 34.42	10
708+22.42	LT 62.76	441.66	10+63.54	LT 40.06	10
708+15.88	LT 55.21	441.81	10+56.12	LT 46.75	10
708+08.39	LT 48.60	441.97	10+49.65	LT 54.36	10
708+00.08	LT 43.04	442.12	10+44.25	LT 62.77	10
707+91.12	LT 38.63	442.27			10
707+81.65	LT 35.44	442.42			10
707+71.98	LT 32.86	442.57			10
707+68.42	LT 32.00	442.63			3.67

STATIONING ALONG IL 13	OFFSET TO EOP FEET	EDGE OF PAVT ELEV FEET	STATIONING ALONG REDCO	OFFSET TO EOP FEET	DISTANCE ALONG RADIUS FEET
709+62.39	LT 37.95	441.79			
709+52.79	LT 40.75	441.64			10
709+43.63	LT 44.72	441.44			10
709+35.02	LT 49.81	441.26	10+48.43	RT 72.27	10
709+27.12	LT 55.93	441.08	10+54.70	RT 64.49	10
709+20.04	LT 62.98	440.91	10+61.89	RT 57.55	10
		440.73	10+69.89	RT 51.56	10
		440.79	10+78.50	RT 46.47	10
		441.09	10+87.43	RT 41.99	10
		441.39	10+96.65	RT 38.11	10
		441.69	11+06.10	RT 34.86	10
		441.99	11+15.75	RT 32.24	10
		442.24	11+24.15	RT 30.51	8.57

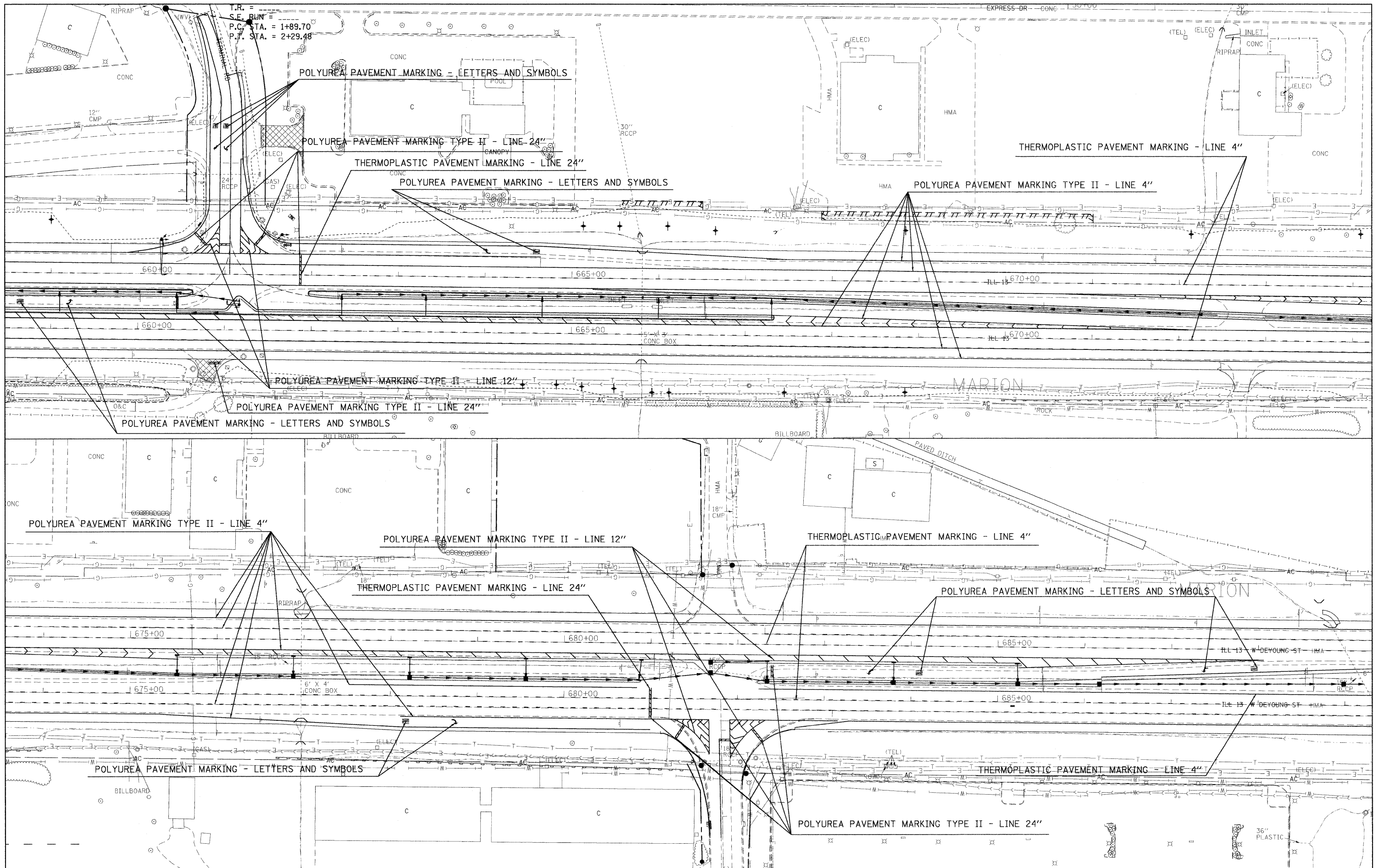


STATIONING ALONG IL 13	OFFSET TO EOP FEET	EDGE OF PAVT ELEV FEET	STATIONING ALONG BAIN	OFFSET TO EOP FEET	DISTANCE ALONG RADIUS FEET
707+59.70	RT 38.04	442.54			
707+69.36	RT 40.62	442.38			10
707.78.70	RT 44.17	442.22			10
707.87.61	RT 48.71	442.07			10
707+95.99	RT 54.15	441.91	3+84.63	RT 75.36	10
708+03.76	RT 60.44	441.75	3+91.05	RT 67.71	10
708+10.82	RT 67.52	441.88	3+98.25	RT 60.77	10
		442.01	4+06.14	RT 54.63	10
		442.14	4+14.62	RT 49.35	10
		442.27	4+23.62	RT 44.99	10
		442.40	4+33.02	RT 41.60	10
		442.46	4+37.90	RT 40.26	5.06

STATIONING ALONG IL 13	OFFSET TO EOP FEET	EDGE OF PAVT ELEV FEET	STATIONING ALONG BAIN	OFFSET TO EOP FEET	DISTANCE ALONG RADIUS FEET
		442.29	4+41.79	LT 40.00	
		442.02	4+31.82	LT 40.67	10
		441.76	4+22.03	LT 42.65	10
		441.49	4+12.59	LT 45.92	10
		441.22	4+03.66	LT 50.42	10
709+27.58	RT 62.65	440.96	3+95.42	LT 56.06	10
709+34.14	RT 55.11	440.69	3+87.99	LT 62.75	10
709+41.64	RT 48.51	440.88	3+81.52	LT 70.36	10
709+49.95	RT 42.97	441.07			10
709+58.93	RT 38.58	441.26			10
709+68.40	RT 35.40	441.45			10
709+78.07	RT 32.83	441.64			10
709+81.50	RT 32.00	441.70			3.53



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PLOT SCALE = 58,0000' / IN. PLOT DATE = 10/14/2009								SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 98857 ILLINOIS FED. AID PROJECT	



FILE NAME =
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USER NAME = shepardgd
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 PLOT SCALE = 50.0000' / IN.
 PLOT DATE = 10/14/2009

DESIGNED -
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 DATE -

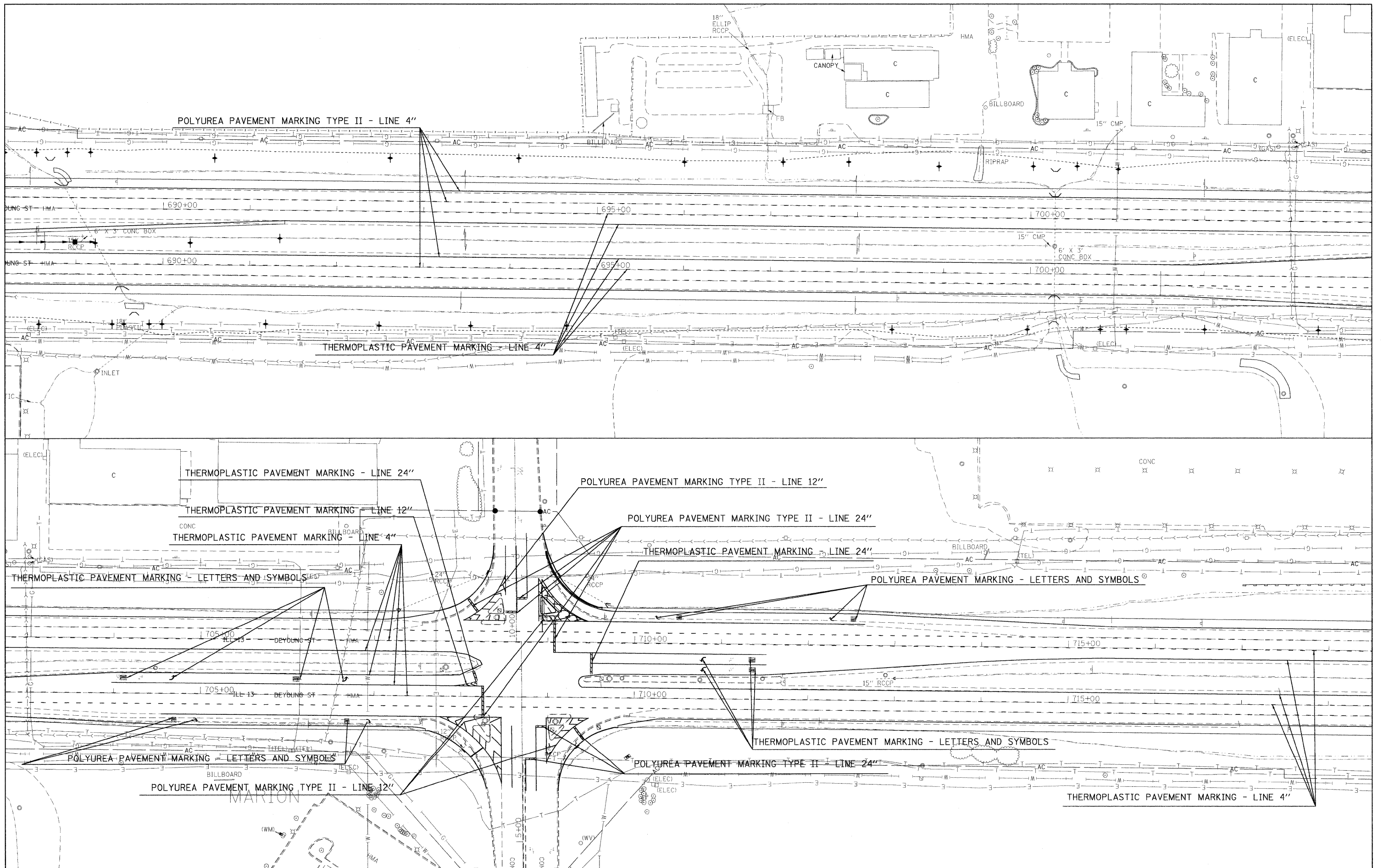
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

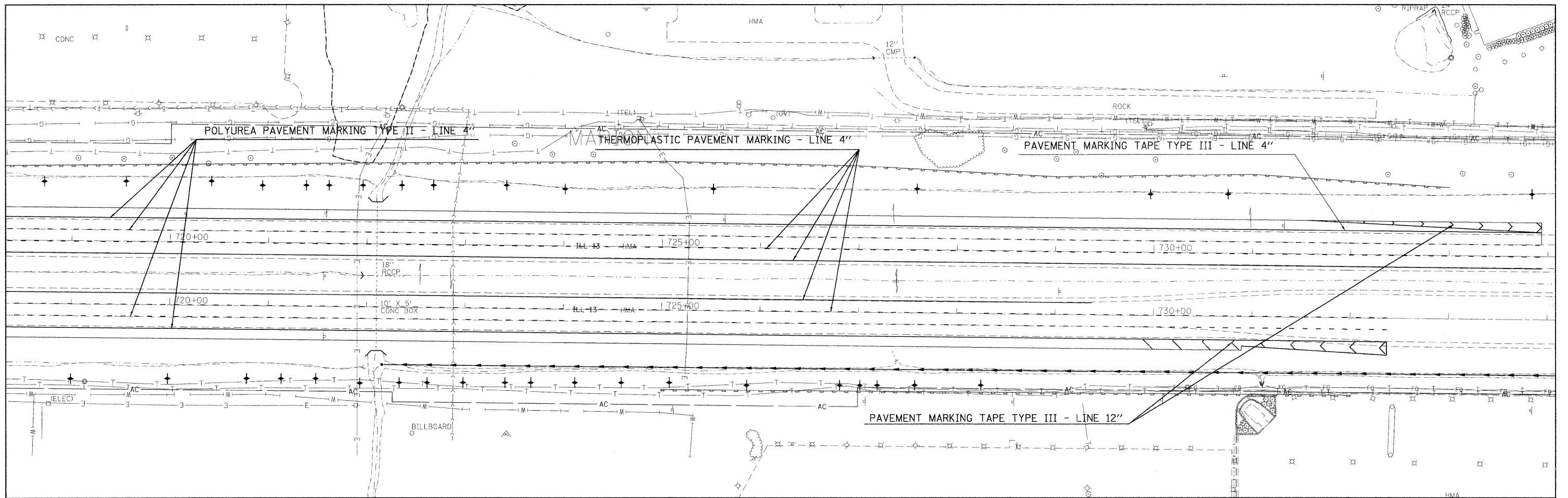
PAVEMENT MARKING PLAN

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. 331	SECTION (1-2)N-2,R(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 76
CONTRACT NO. 98857				
ILLINOIS FED. AID PROJECT				



FILE NAME = c:\pwork\p\DOT\SHEPARDGD\dms47338\p\ds\m13-shb-pmk.dgn	USER NAME = shepa-dgd	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN	F.A.P RTE. 331	SECTION (1-2)N-2,R(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 77	
PLOT SCALE = 50.0000' / IN.						SCALE: _____	SHEET NO. ____ OF ____ SHEETS	CONTRACT NO. 98857		ILLINOIS FED. AID PROJECT	
PLOT DATE = 10/14/2009						DATE -	STA. _____ TO STA. _____				



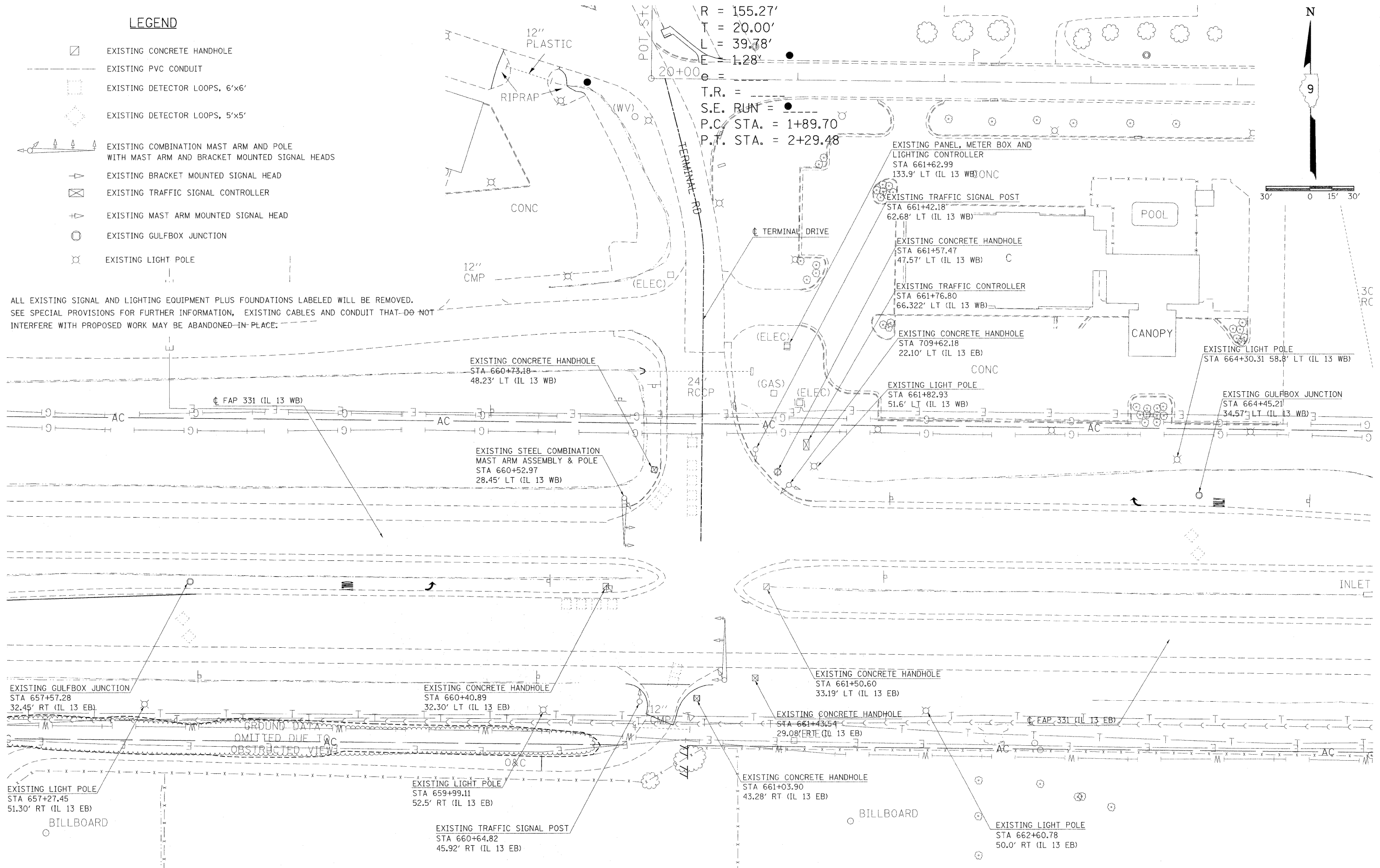
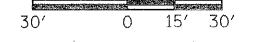
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PLOT SCALE = 50,0000' / IN.						SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____		CONTRACT NO. 98857		
PLOT DATE = 10/14/2009						ILLINOIS FED. AID PROJECT						

LEGEND

- ◻ EXISTING CONCRETE HANDHOLE
- - - EXISTING PVC CONDUIT
- ◻ EXISTING DETECTOR LOOPS, 6'x6'
- ◻ EXISTING DETECTOR LOOPS, 5'x5'
- ⚡ EXISTING COMBINATION MAST ARM AND POLE WITH MAST ARM AND BRACKET MOUNTED SIGNAL HEADS
- EXISTING BRACKET MOUNTED SIGNAL HEAD
- ⊠ EXISTING TRAFFIC SIGNAL CONTROLLER
- EXISTING MAST ARM MOUNTED SIGNAL HEAD
- EXISTING GULFBOX JUNCTION
- ⊗ EXISTING LIGHT POLE

ALL EXISTING SIGNAL AND LIGHTING EQUIPMENT PLUS FOUNDATIONS LABELED WILL BE REMOVED. SEE SPECIAL PROVISIONS FOR FURTHER INFORMATION. EXISTING CABLES AND CONDUIT THAT DO NOT INTERFERE WITH PROPOSED WORK MAY BE ABANDONED IN PLACE.

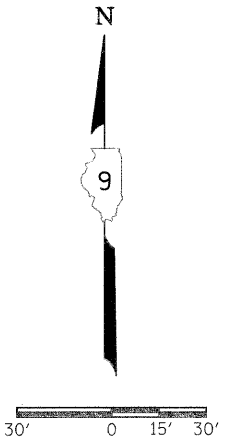
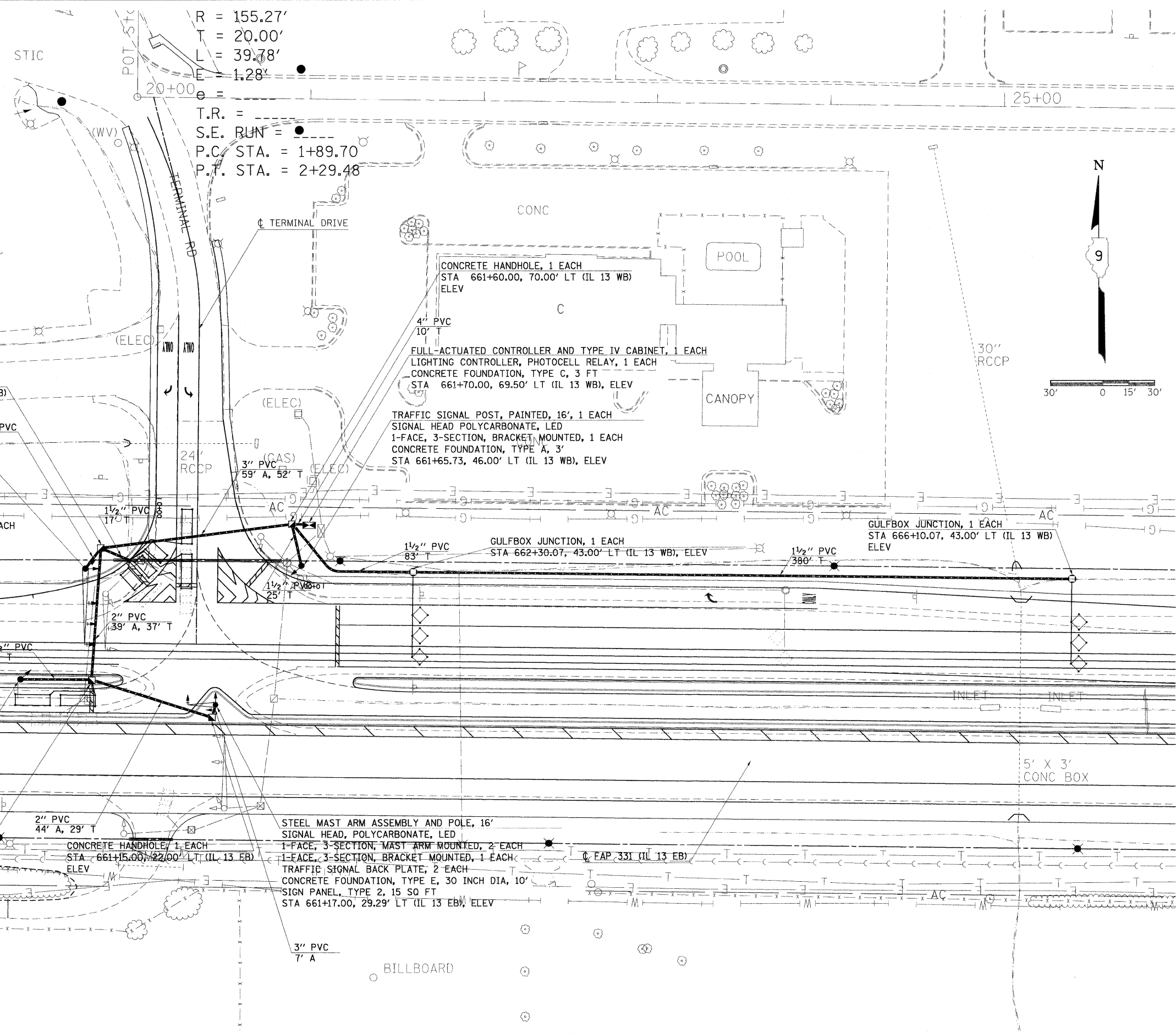
R = 155.27'
 T = 20.00'
 L = 39.78'
 E = 1.28'
 T.R. =
 S.E. RUN =
 P.C. STA. = 1+89.70
 P.T. STA. = 2+29.48



FILE NAME = c:\pwwork\p\11001\SHEPARD\11001\11001.dwg	USER NAME = shepardgd dstm13-Term-sht-TS.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL & LIGHTING ILLINOIS 13 AND TERMINAL DRIVE			F.A.P. RFE. 331	SECTION (1-2)N-2,R(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 79
PLOT SCALE = 3/8" = 1' IN.					SCALE: 1"=30'	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 98857		
PLOT DATE = 10/14/2009					DATE	ILLINOIS FED. AID PROJECT						

LEGEND

- PROPOSED PVC CONDUIT
- PROPOSED GULFBOX JUNCTION
- PROPOSED DETECTOR LOOPS
- PROPOSED CONCRETE HANDHOLE
- ⊠ PROPOSED TRAFFIC SIGNAL CONTROLLER
- PROPOSED BRACKET MOUNTED SIGNAL HEAD
- ⚡ PROPOSED COMBINATION MAST ARM AND POLE WITH MAST ARM AND BRACKET MOUNTED SIGNAL HEADS
- T CONDUIT IN TRENCH
- A CONDUIT, AUGERED
- " PVC SIZE OF CONDUIT



CONCRETE HANDHOLE, 1 EACH
 STA 660+50.00, 55.00' LT (IL 13 WB)
 ELEV

STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 44'
 SIGNAL HEAD, POLYCARBONATE, LED
 1-FACE, 3-SECTION, MAST ARM MOUNTED, 3 EACH
 2-FACE, 3-SECTION, BRACKET MOUNTED, 1 EACH
 TRAFFIC SIGNAL BACK PLATE, 3 EACH
 LUMINAIRE, SODIUM VAPOR MULTI MOUNT, 400 WATT, 1 EACH
 SIGN PANEL, TYPE 1, 9 SQ FT
 CONCRETE FOUNDATION, TYPE E, 36 INCH DIA, 13'
 STA 660+41.47, 43.00' LT (IL 13 WB), ELEV

CONCRETE HANDHOLE, 1 EACH
 STA 661+60.00, 70.00' LT (IL 13 WB)
 ELEV

FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, 1 EACH
 LIGHTING CONTROLLER, PHOTOCELL RELAY, 1 EACH
 CONCRETE FOUNDATION, TYPE C, 3 FT
 STA 661+70.00, 69.50' LT (IL 13 WB), ELEV

TRAFFIC SIGNAL POST, PAINTED, 16', 1 EACH
 SIGNAL HEAD POLYCARBONATE, LED
 1-FACE, 3-SECTION, BRACKET MOUNTED, 1 EACH
 CONCRETE FOUNDATION, TYPE A, 3'
 STA 661+65.73, 46.00' LT (IL 13 WB), ELEV

GULFBOX JUNCTION, 1 EACH
 STA 662+30.07, 43.00' LT (IL 13 WB), ELEV

GULFBOX JUNCTION, 1 EACH
 STA 666+10.07, 43.00' LT (IL 13 WB)
 ELEV

TRAFFIC SIGNAL POST, PAINTED, 16', 1 EACH
 SIGNAL HEAD POLYCARBONATE, LED
 1-FACE, 3-SECTION, BRACKET MOUNTED, 1 EACH
 CONCRETE FOUNDATION, TYPE A, 3'
 STA 660+04.38, 21.25' RT (IL 13 WB), ELEV

CONCRETE HANDHOLE, 1 EACH
 STA 661+15.00, 22.00' LT (IL 13 EB)
 ELEV

STEEL MAST ARM ASSEMBLY AND POLE, 16'
 SIGNAL HEAD, POLYCARBONATE, LED
 1-FACE, 3-SECTION, MAST ARM MOUNTED, 2 EACH
 1-FACE, 3-SECTION, BRACKET MOUNTED, 1 EACH
 TRAFFIC SIGNAL BACK PLATE, 2 EACH
 CONCRETE FOUNDATION, TYPE E, 30 INCH DIA, 10'
 SIGN PANEL, TYPE 2, 15 SQ FT
 STA 661+17.00, 29.29' LT (IL 13 EB), ELEV

FAP 331 (IL 13 EB)

CONCRETE HANDHOLE, 1 EACH
 STA 660+45.48, 21.42' RT (IL 13 WB)
 ELEV

FILE NAME = c:\pwork\PW1001\SHEPARDDG\dms47338\F	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNAL & LIGHTING ILLINOIS 13 AND TERMINAL DRIVE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 30,0000' / IN.	CHECKED -	REVISED -						331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	80.
PLOT DATE = 10/14/2009	DATE -	REVISED -	REVISED -	SCALE: 1"=30'				SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 98857			
											ILLINOIS FED. AID PROJECT		

NOTES

1. ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.
2. ELECTRIC SERVICE IS SUPPLIED BY AMEREN CIPS.
3. ELECTRIC CABLE DENOTED AS #10, 3/C BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPLICED IN POLE. SEE LIGHT POLE FOUNDATION DETAIL.
4. PROPOSED 2/C ELECTRIC CABLE SHOWN IN CABLE DIAGRAM ARE PAID FOR IN FEET AS ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 (1 PAIR).
5. ALL SIGNAL LENSES SHALL BE 12 INCHES.

- 6a 5' X 5' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- 4a 6' X 10' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- 6b 5' X 5' LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- 7a 6' X 20' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.

LEGEND

- T TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS).
- 1a 1b LUMINAIRE. NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- R 12" TRAFFIC SIGNAL SECTION. LETTER INDICATES COLOR.
- ☒ TRAFFIC SIGNAL CONTROLLER CABINET
- ② INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT
- ⑤ NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE
- (4) NUMBER IN PARENTHESIS INDICATES PHASE
- ☒ LIGHTING CONTROLLER, PHOTOCELL RELAY

WIRING DIAGRAM FOR ROADWAY LIGHTING

NOTES

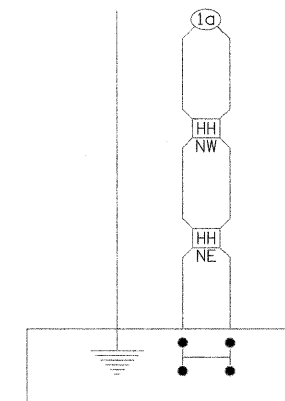
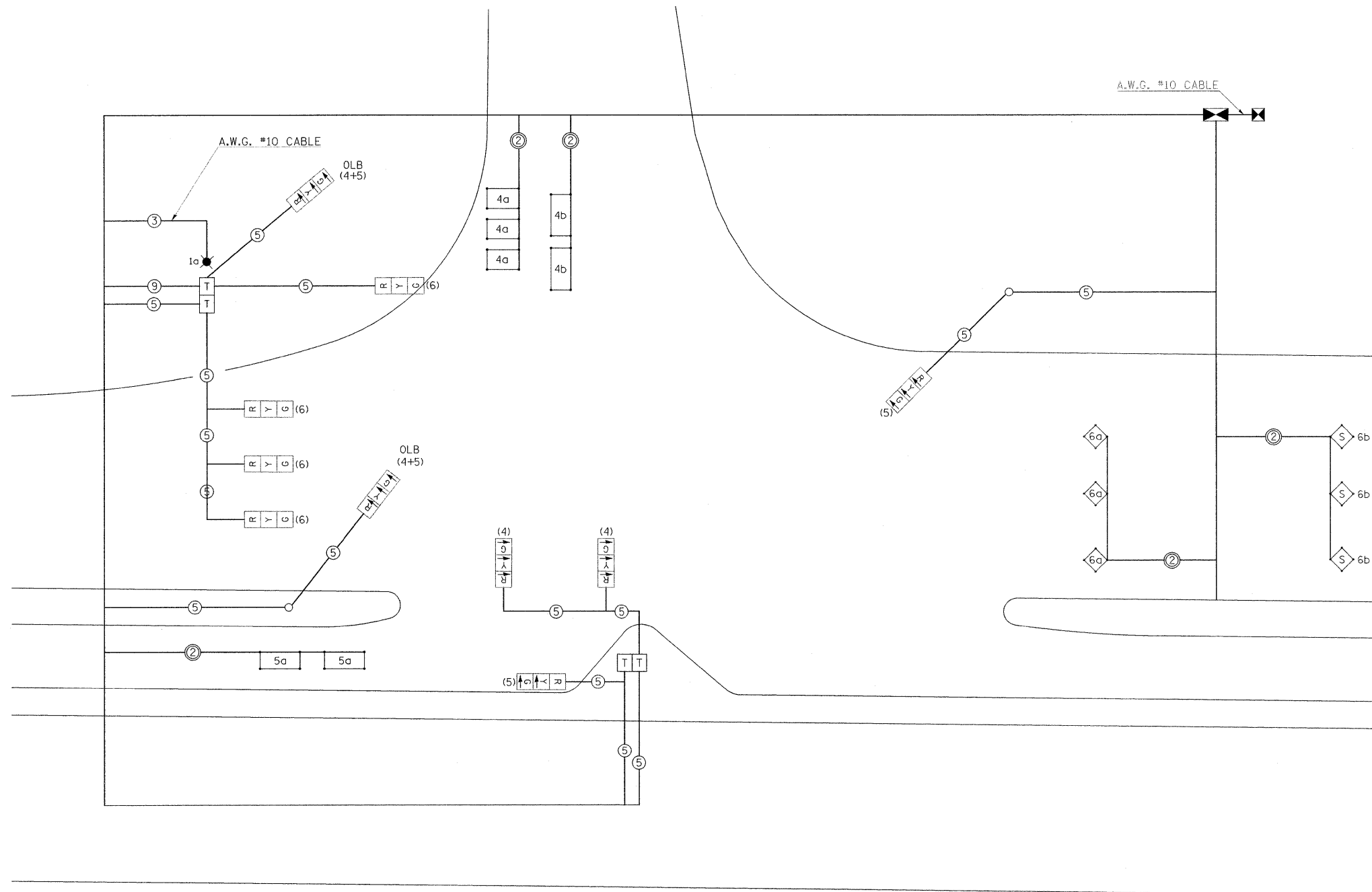
- ALL LUMINAIRES ARE 400 WATTS.
- ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3/C NO 10 IS USED IN POLES OR LUMINAIRES.

LEGEND

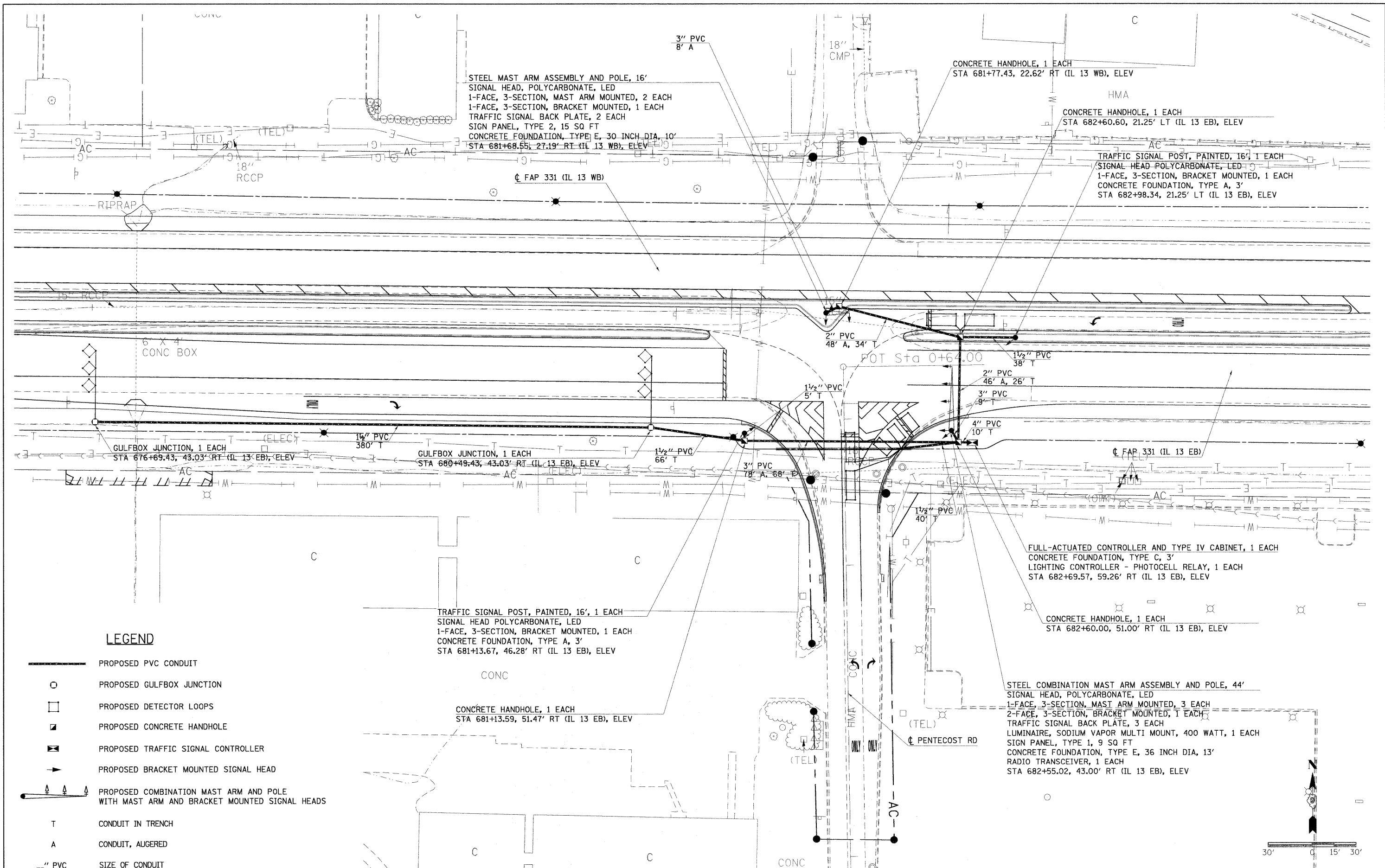
- HH - PROPOSED TRAFFIC SIGNAL HANDHOLE
- 1a - NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE
- - PROPOSED GROUND AT LIGHT STANDARD
- ⏏ - CONTINUOUS GROUND FOR CONTROL INSTALLATION

HANDHOLE DESIGNATIONS:

- NE- NORTHEAST QUADRANT
- NW - NORTHWEST QUADRANT



FILE NAME = c:\p\work\p\10DOT\SHEPARDD\ds47330\F	USER NAME = shepardgd dstm13-Term-sht-TS.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL AND LIGHTING CABLE DIAGRAM AT ILLINOIS 13 AND TERMINAL DRIVE			F.A.P. RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 81
					SCALE: 1"=30'	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	
					CONTRACT NO. 98857							



LEGEND

- PROPOSED PVC CONDUIT
- PROPOSED GULFBOX JUNCTION
- PROPOSED DETECTOR LOOPS
- PROPOSED CONCRETE HANDHOLE
- ⊠ PROPOSED TRAFFIC SIGNAL CONTROLLER
- ➔ PROPOSED BRACKET MOUNTED SIGNAL HEAD
- ⚙ PROPOSED COMBINATION MAST ARM AND POLE WITH MAST ARM AND BRACKET MOUNTED SIGNAL HEADS
- T CONDUIT IN TRENCH
- A CONDUIT, AUGERED
- " PVC SIZE OF CONDUIT

TRAFFIC SIGNAL POST, PAINTED, 16', 1 EACH
 SIGNAL HEAD POLYCARBONATE, LED
 1-FACE, 3-SECTION, BRACKET MOUNTED, 1 EACH
 CONCRETE FOUNDATION, TYPE A, 3'
 STA 681+13.67, 46.28' RT (IL 13 EB), ELEV

FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, 1 EACH
 CONCRETE FOUNDATION, TYPE C, 3'
 LIGHTING CONTROLLER - PHOTOCCELL RELAY, 1 EACH
 STA 682+69.57, 59.26' RT (IL 13 EB), ELEV

STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 44'
 SIGNAL HEAD, POLYCARBONATE, LED
 1-FACE, 3-SECTION, MAST ARM MOUNTED, 3 EACH
 2-FACE, 3-SECTION, BRACKET MOUNTED, 1 EACH
 TRAFFIC SIGNAL BACK PLATE, 3 EACH
 LUMINAIRE, SODIUM VAPOR MULTI MOUNT, 400 WATT, 1 EACH
 SIGN PANEL, TYPE 1, 9 SQ FT
 CONCRETE FOUNDATION, TYPE E, 36 INCH DIA, 13'
 RADIO TRANSCIVER, 1 EACH
 STA 682+55.02, 43.00' RT (IL 13 EB), ELEV

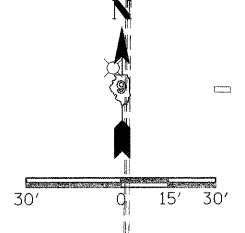
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL & LIGHTING
 ILLINOIS 13 AND PENTECOST ROAD**

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -
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	PLOT SCALE = 30.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/14/2009	DATE -	REVISED -

SCALE: 1"=30' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	82
CONTRACT NO. 98857				
ILLINOIS FED. AID PROJECT				



NOTES

1. ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.
2. ELECTRIC SERVICE IS SUPPLIED BY AMEREN CIPS.
3. ELECTRIC CABLE DENOTED AS #10, 3/C BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPLICED IN POLE. SEE LIGHT POLE FOUNDATION DETAIL.
4. PROPOSED 2/C ELECTRIC CABLE SHOWN IN CABLE DIAGRAM ARE PAID FOR IN FEET AS ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 (1 PAIR).
5. ALL SIGNAL LENSES SHALL BE 12 INCHES.

- 6a 5' X 5' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- 3a 6' X 20' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- 6b 5' X 5' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- 8a 6' X 10' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.

LEGEND

- T TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS).
- ☼ LUMINAIRE. NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- R 12" TRAFFIC SIGNAL SECTION. LETTER INDICATES COLOR.
- ☒ TRAFFIC SIGNAL CONTROLLER CABINET
- ② INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT
- ⑤ NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE
- (4) NUMBER IN PARENTHESIS INDICATES PHASE
- ☒ LIGHTING CONTROLLER, PHOTOCELL RELAY

WIRING DIAGRAM FOR ROADWAY LIGHTING

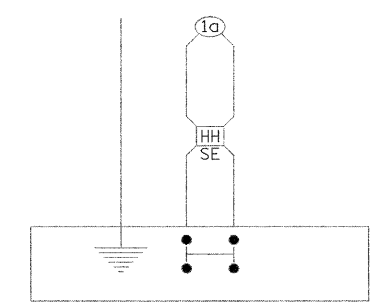
NOTES

- ALL LUMINAIRES ARE 400 WATTS.
- ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3/C NO 10 IS USED IN POLES OR LUMINAIRES.

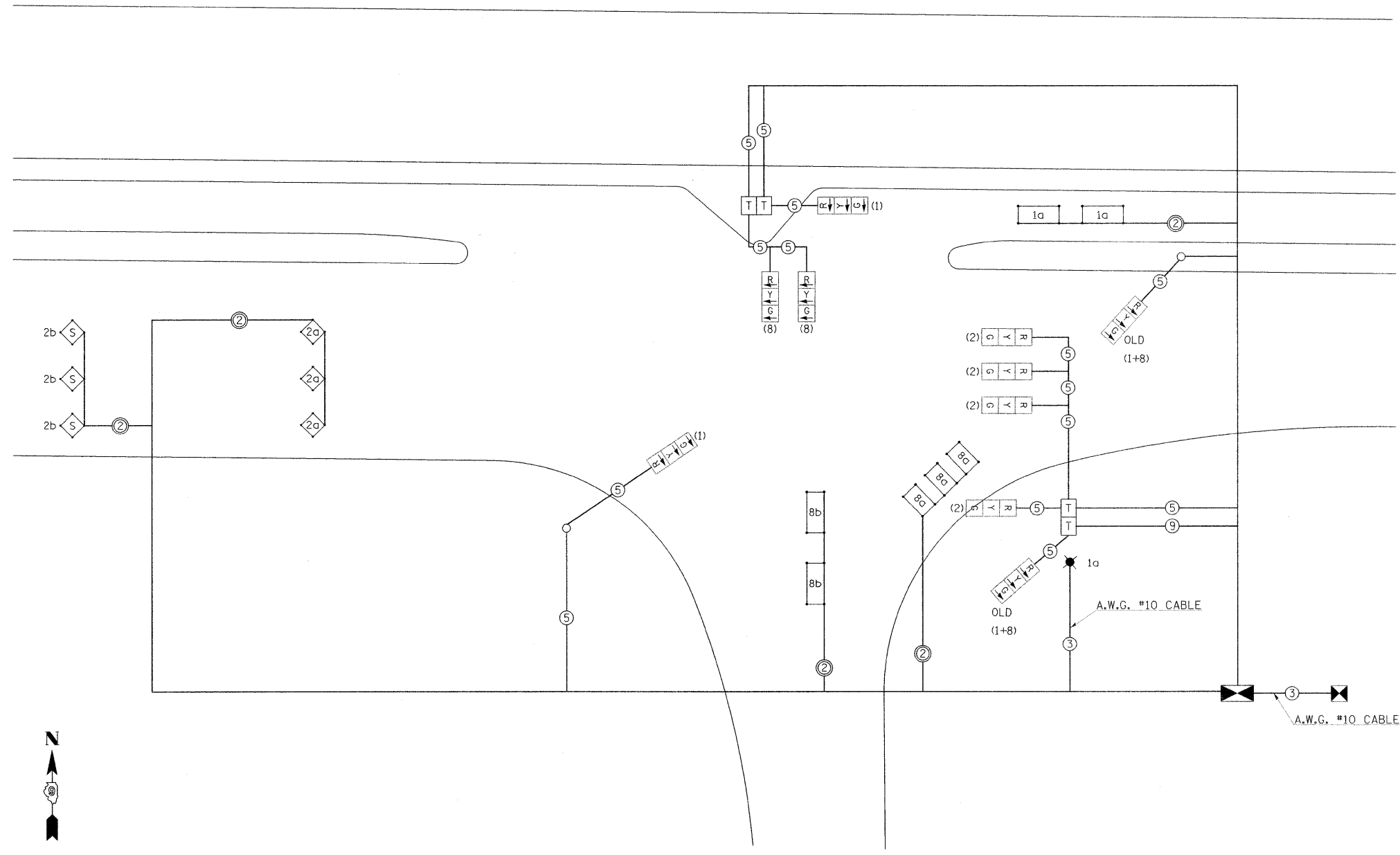
LEGEND

- HH - PROPOSED TRAFFIC SIGNAL HANDHOLE
- 1b - NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- - PROPOSED GROUND AT LIGHT STANDARD
- ☒ - CONTINUOUS GROUND FOR CONTROL INSTALLATION

HANDHOLE DESIGNATIONS:
SE - SOUTHEAST QUADRANT

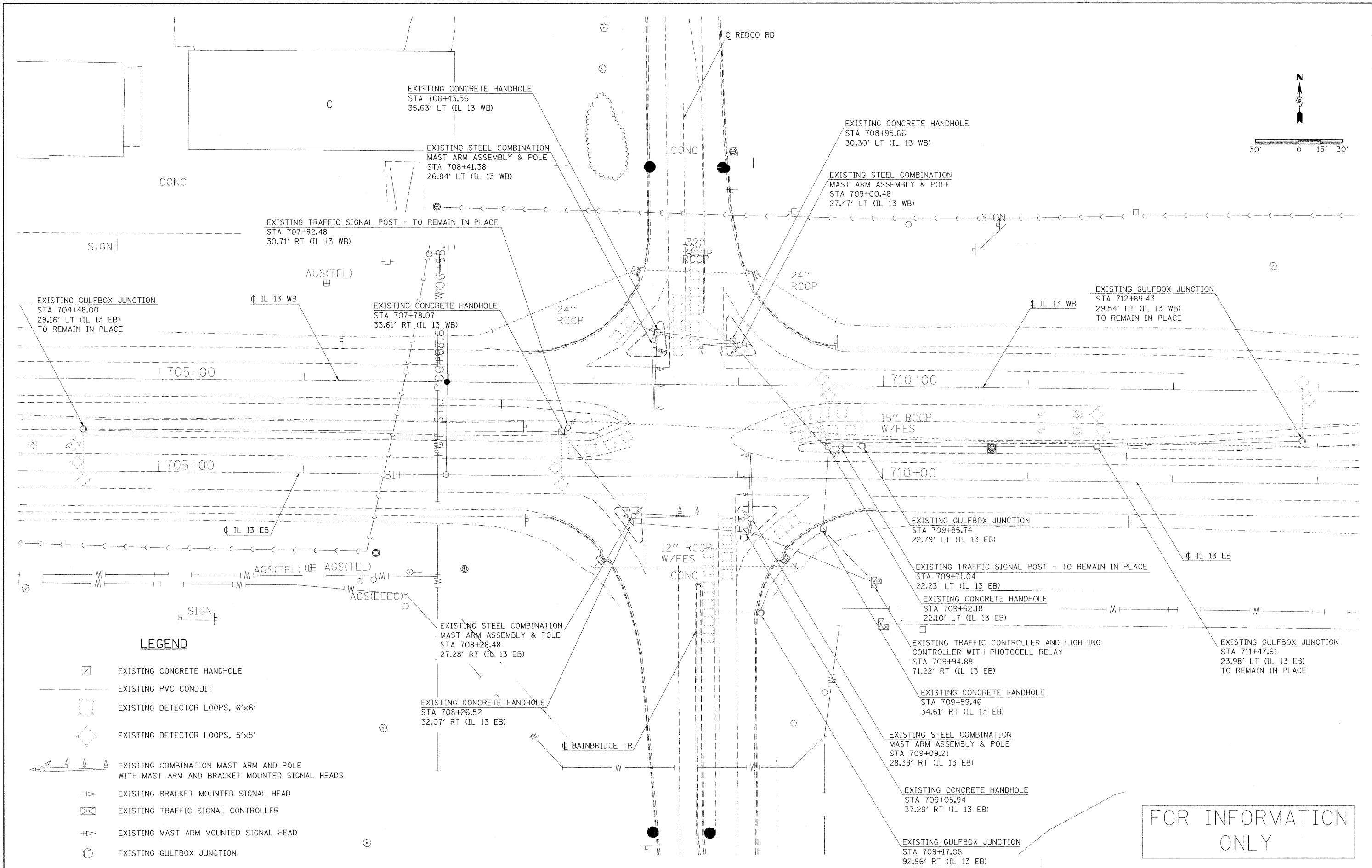


PROPOSED CONTROL INSTALLATION
PHOTOCELL RELAY
20 AMP - 240 VOLT



NOT TO SCALE

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	DRAWN -	REVISED -	331						(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	83			
	PLOT SCALE = 30,0000 ' / IN.	CHECKED -	REVISED -						SCALE: 1"=30' SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 98857		
	PLOT DATE = 10/14/2009	DATE -	REVISED -						ILLINOIS FED. AID PROJECT						

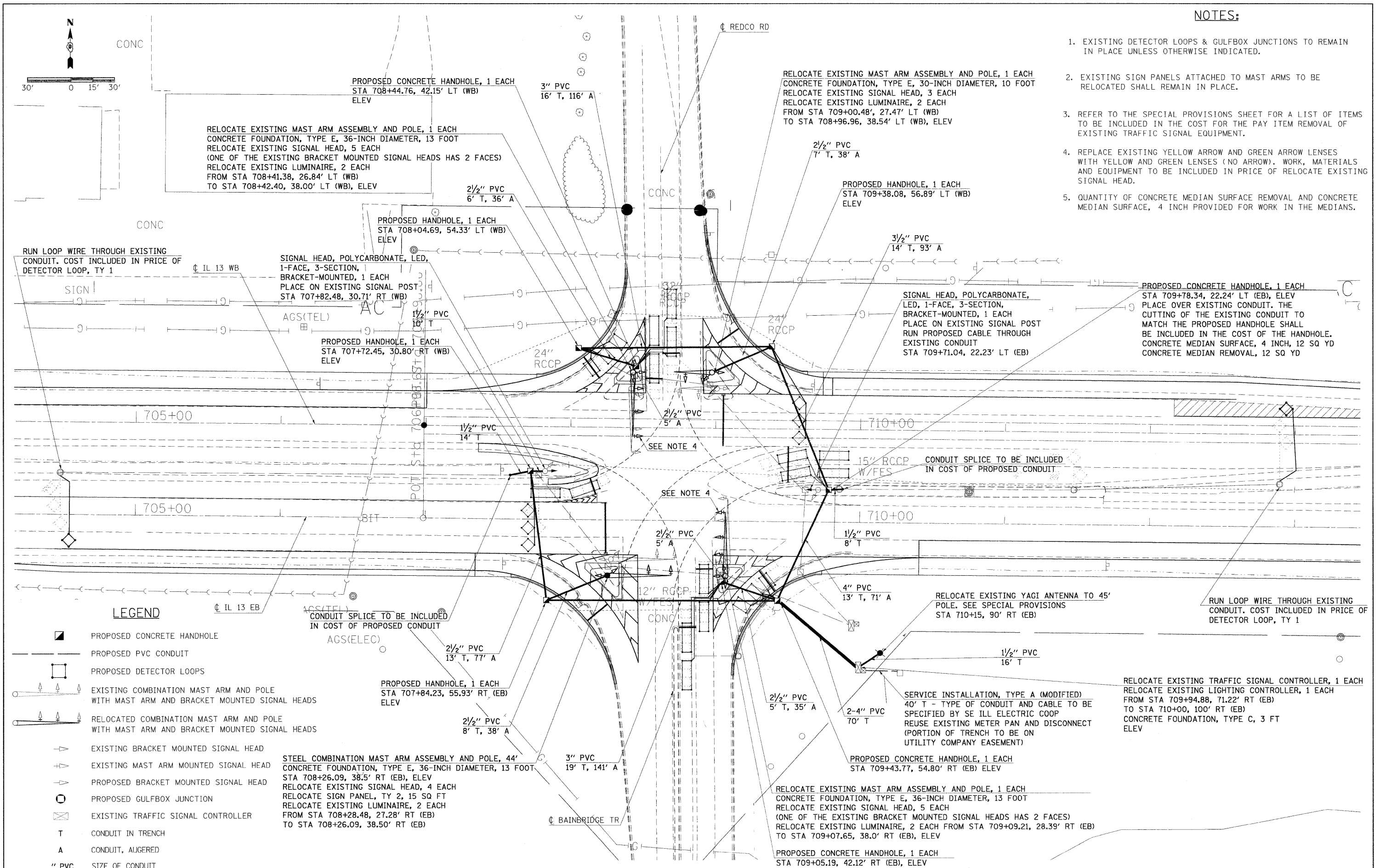


FOR INFORMATION ONLY

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL & LIGHTING ILLINOIS 13 AND REDCO ROAD/BAINBRIDGE TRAIL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
e:\pwork\PWIDOT\SHEPARDGD\dms47338\	dstum13-Bain-ah-t-TS.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	84	
	PLOT SCALE = 30,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857					
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

NOTES:

1. EXISTING DETECTOR LOOPS & GULFBOX JUNCTIONS TO REMAIN IN PLACE UNLESS OTHERWISE INDICATED.
2. EXISTING SIGN PANELS ATTACHED TO MAST ARMS TO BE RELOCATED SHALL REMAIN IN PLACE.
3. REFER TO THE SPECIAL PROVISIONS SHEET FOR A LIST OF ITEMS TO BE INCLUDED IN THE COST FOR THE PAY ITEM REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT.
4. REPLACE EXISTING YELLOW ARROW AND GREEN ARROW LENSES WITH YELLOW AND GREEN LENSES (NO ARROW). WORK, MATERIALS AND EQUIPMENT TO BE INCLUDED IN PRICE OF RELOCATE EXISTING SIGNAL HEAD.
5. QUANTITY OF CONCRETE MEDIAN SURFACE REMOVAL AND CONCRETE MEDIAN SURFACE, 4 INCH PROVIDED FOR WORK IN THE MEDIANS.



RUN LOOP WIRE THROUGH EXISTING CONDUIT. COST INCLUDED IN PRICE OF DETECTOR LOOP, TY 1

RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE, 1 EACH CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER, 13 FOOT
RELOCATE EXISTING SIGNAL HEAD, 5 EACH (ONE OF THE EXISTING BRACKET MOUNTED SIGNAL HEADS HAS 2 FACES)
RELOCATE EXISTING LUMINAIRE, 2 EACH FROM STA 708+41.38, 26.84' LT (WB) TO STA 708+42.40, 38.00' LT (WB), ELEV

RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE, 1 EACH CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER, 10 FOOT
RELOCATE EXISTING SIGNAL HEAD, 3 EACH
RELOCATE EXISTING LUMINAIRE, 2 EACH FROM STA 709+00.48', 27.47' LT (WB) TO STA 708+96.96, 38.54' LT (WB), ELEV

SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET-MOUNTED, 1 EACH PLACE ON EXISTING SIGNAL POST STA 709+71.04, 22.23' LT (EB)

PROPOSED CONCRETE HANDHOLE, 1 EACH STA 709+78.34, 22.24' LT (EB), ELEV PLACE OVER EXISTING CONDUIT. THE CUTTING OF THE EXISTING CONDUIT TO MATCH THE PROPOSED HANDHOLE SHALL BE INCLUDED IN THE COST OF THE HANDHOLE. CONCRETE MEDIAN SURFACE, 4 INCH, 12 SQ YD CONCRETE MEDIAN REMOVAL, 12 SQ YD

LEGEND

- PROPOSED CONCRETE HANDHOLE
- PROPOSED PVC CONDUIT
- PROPOSED DETECTOR LOOPS
- ⊕ EXISTING COMBINATION MAST ARM AND POLE WITH MAST ARM AND BRACKET MOUNTED SIGNAL HEADS
- ⊕ RELOCATED COMBINATION MAST ARM AND POLE WITH MAST ARM AND BRACKET MOUNTED SIGNAL HEADS
- ⊕ EXISTING BRACKET MOUNTED SIGNAL HEAD
- ⊕ EXISTING MAST ARM MOUNTED SIGNAL HEAD
- ⊕ PROPOSED BRACKET MOUNTED SIGNAL HEAD
- PROPOSED GULFBOX JUNCTION
- ⊗ EXISTING TRAFFIC SIGNAL CONTROLLER
- T CONDUIT IN TRENCH
- A CONDUIT, AUGERED
- " PVC SIZE OF CONDUIT

STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 44' CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER, 13 FOOT
STA 708+26.09, 38.5' RT (EB), ELEV
RELOCATE EXISTING SIGNAL HEAD, 4 EACH
RELOCATE EXISTING SIGN PANEL, TY 2, 15 SQ FT
RELOCATE EXISTING LUMINAIRE, 2 EACH FROM STA 708+28.48, 27.28' RT (EB) TO STA 708+26.09, 38.50' RT (EB)

RELOCATE EXISTING YAGI ANTENNA TO 45' POLE. SEE SPECIAL PROVISIONS STA 710+15, 90' RT (EB)

RUN LOOP WIRE THROUGH EXISTING CONDUIT. COST INCLUDED IN PRICE OF DETECTOR LOOP, TY 1

SERVICE INSTALLATION, TYPE A (MODIFIED) 40' T - TYPE OF CONDUIT AND CABLE TO BE SPECIFIED BY SE ILL ELECTRIC COOP REUSE EXISTING METER PAN AND DISCONNECT (PORTION OF TRENCH TO BE ON UTILITY COMPANY EASEMENT)

RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER, 1 EACH
RELOCATE EXISTING LIGHTING CONTROLLER, 1 EACH FROM STA 709+94.88, 71.22' RT (EB) TO STA 710+00, 100' RT (EB)
CONCRETE FOUNDATION, TYPE C, 3 FT ELEV

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL & LIGHTING
ILLINOIS 13 AND REDCO ROAD/BAINBRIDGE TRAIL**

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -
en:\pw_work\PIWIDOT\SHEPARDGD\dms47330\fdstun13-Bain-sht-TS.dgn		DRAWN -	REVISED -
PLOT SCALE = 30,0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 10/14/2009		DATE -	REVISED -

SCALE: 1"=30'	SHEET NO. OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	85
CONTRACT NO. 98857				
ILLINOIS FED. AID PROJECT				

WIRING DIAGRAM FOR ROADWAY LIGHTING

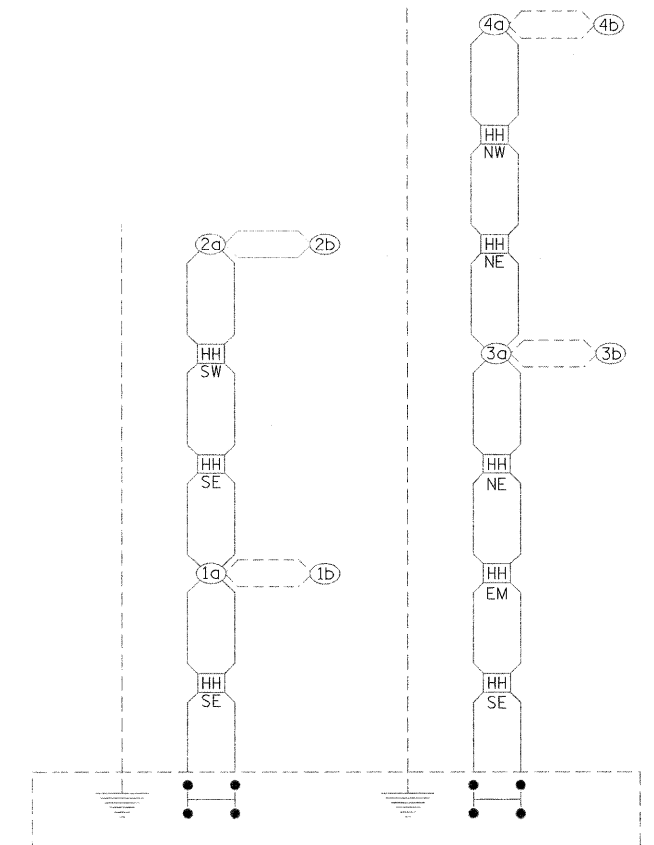
NOTES

ALL LUMINAIRES ARE 250 WATTS.
ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3/C NO 10 IS USED IN POLES OR LUMINAIRES.

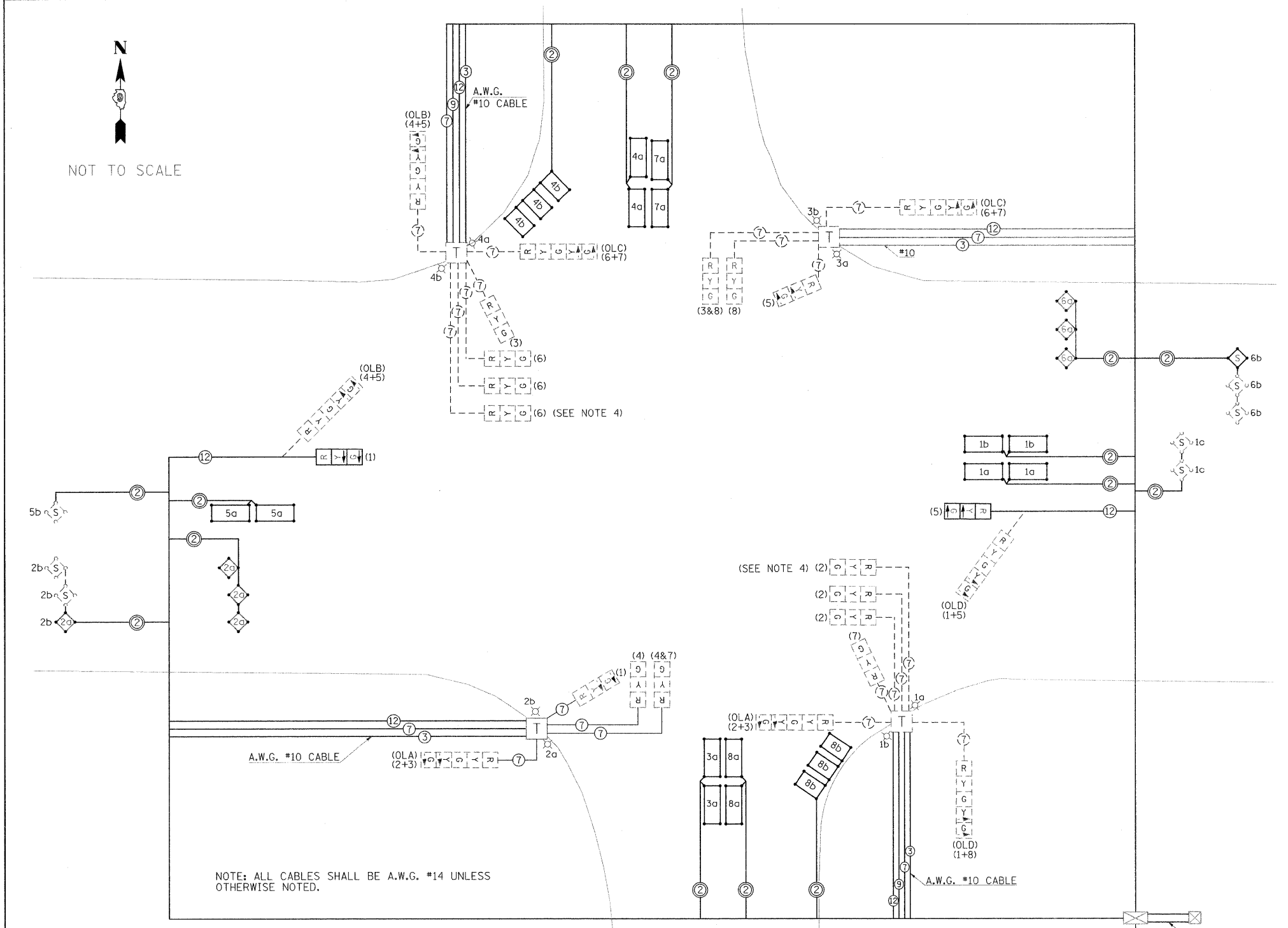
LEGEND

- [HH] - PROPOSED TRAFFIC SIGNAL HANDHOLE
- NOTE: THE SIGNAL CONDUIT SYSTEM SHALL BE UTILIZED TO INSTALL WIRING FOR ALL THE PROPOSED LIGHTING SYSTEM, EXCEPT AS DENOTED ON THE PLANS.
- (1a) - NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE
- - PROPOSED GROUND AT LIGHT STANDARD
- ⎓ - CONTINUOUS GROUND FOR CONTROL INSTALLATION

HANDHOLE DESIGNATIONS:
SW - SOUTHWEST CORNER
SE - SOUTHEAST CORNER
EM - EAST MEDIAN
NW - NORTHWEST CORNER
NE - NORTHEAST CORNER



EXISTING CONTROL INSTALLATION
PHOTOCELL RELAY
20 AMP - 240 VOLT



NOTE: ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.

LEGEND

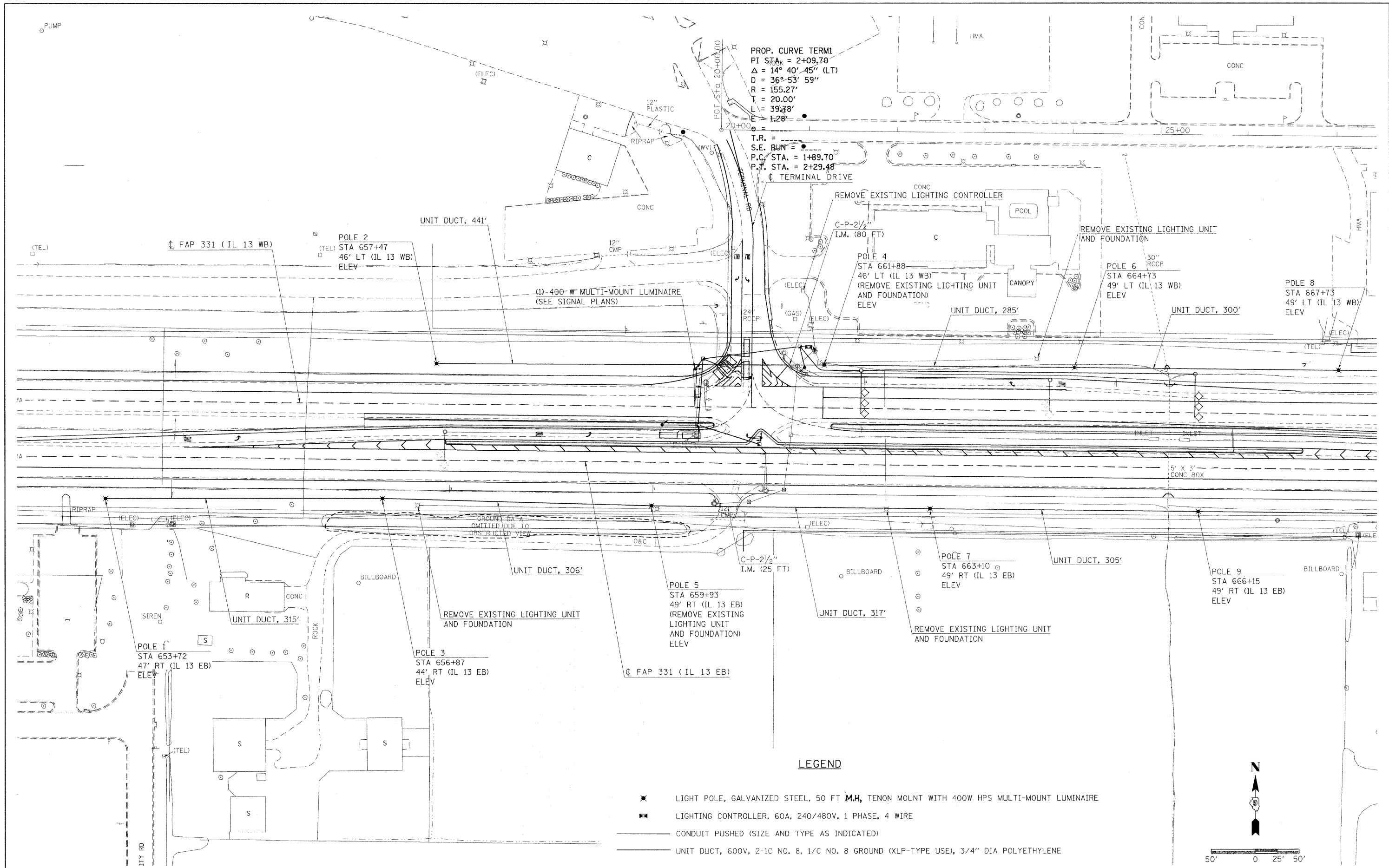
- [Cabinet] EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- [Relay] EXISTING LIGHTING CONTROLLER WITH PHOTOCELL RELAY
- [6] EXISTING 12" TRAFFIC SIGNAL SECTION
- [T] INDICATES EXISTING TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS) SEE NOTE NO. 1.
- (2) INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT.
- (7) NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE.
- (3) NUMBER IN PARENTHESIS INDICATES PHASE.
- [X] RELOCATED EXISTING LUMINAIRE
- [3a] INDICATES PROPOSED 6' x 20' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- [8b] INDICATES PROPOSED 6' x 10' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- [6a] INDICATES EXISTING 6' x 6' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE. LOWER CASE LETTER INDICATES AMPLIFIER.
- [2a S] INDICATES PROPOSED 5' x 5' ADVANCE LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES THAT LOOPS REQUIRE AMPLIFIER WITH SYSTEM OUTPUT.
- [2a S] INDICATES EXISTING 5' x 5' ADVANCE LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES THAT LOOPS REQUIRE AMPLIFIERS WITH SYSTEM OUTPUT.
- 45' POLE AND YAGI ANTENNA

REFER TO SPECIAL PROVISIONS FOR CABLE TYPE

NOTES

1. ALL SIGNAL LENSES SHALL BE 12 INCHES.
2. ELECTRIC CABLE DENOTED AS #10, 3/C BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPLICED IN POLE FOUNDATION DETAIL.
3. ELECTRIC SERVICE IS SUPPLIED BY AMEREN CIPS.
4. REPLACE EXISTING YELLOW ARROW AND GREEN ARROW LENSES WITH YELLOW AND GREEN LENSES (NO ARROW) WORK, MATERIALS AND EQUIPMENT TO BE INCLUDED IN PRICE OF RELOCATING SIGNAL HEAD.

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL CABLE DIAGRAM AND HIGHWAY LIGHTING WIRING DIAGRAM ILLINOIS 13 AND REDCO ROAD/BAINBRIDGE TRAIL				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\PW\DOT\SHEPARDGD\dss47330\F	dstumi3-Bain-sh-t-TS.dgn	DRAWN -	REVISED -						331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	86
PLOT SCALE = 3/8" = 1' IN.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 98857								
PLOT DATE = 10/14/2009	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT								



PROP. CURVE TERM1
 PI STA = 2+09.70
 $\Delta = 14^\circ 40' 45''$ (LT)
 $D = 36^\circ 53' 59''$
 $R = 155.27'$
 $T = 20.00'$
 $L = 39.78'$
 $E = 1.28'$

T.R. =
 S.E. RUN =
 P.C. STA. = 1+89.70
 P.T. STA. = 2+29.46
 CL TERMINAL DRIVE

POLE 4
 STA 661+88
 46' LT (IL 13 WB)
 (REMOVE EXISTING LIGHTING UNIT AND FOUNDATION)
 ELEV

POLE 6
 STA 664+73
 49' LT (IL 13 WB)
 ELEV

POLE 8
 STA 667+73
 49' LT (IL 13 WB)
 ELEV

POLE 5
 STA 659+93
 49' RT (IL 13 EB)
 (REMOVE EXISTING LIGHTING UNIT AND FOUNDATION)
 ELEV

POLE 7
 STA 663+10
 49' RT (IL 13 EB)
 ELEV

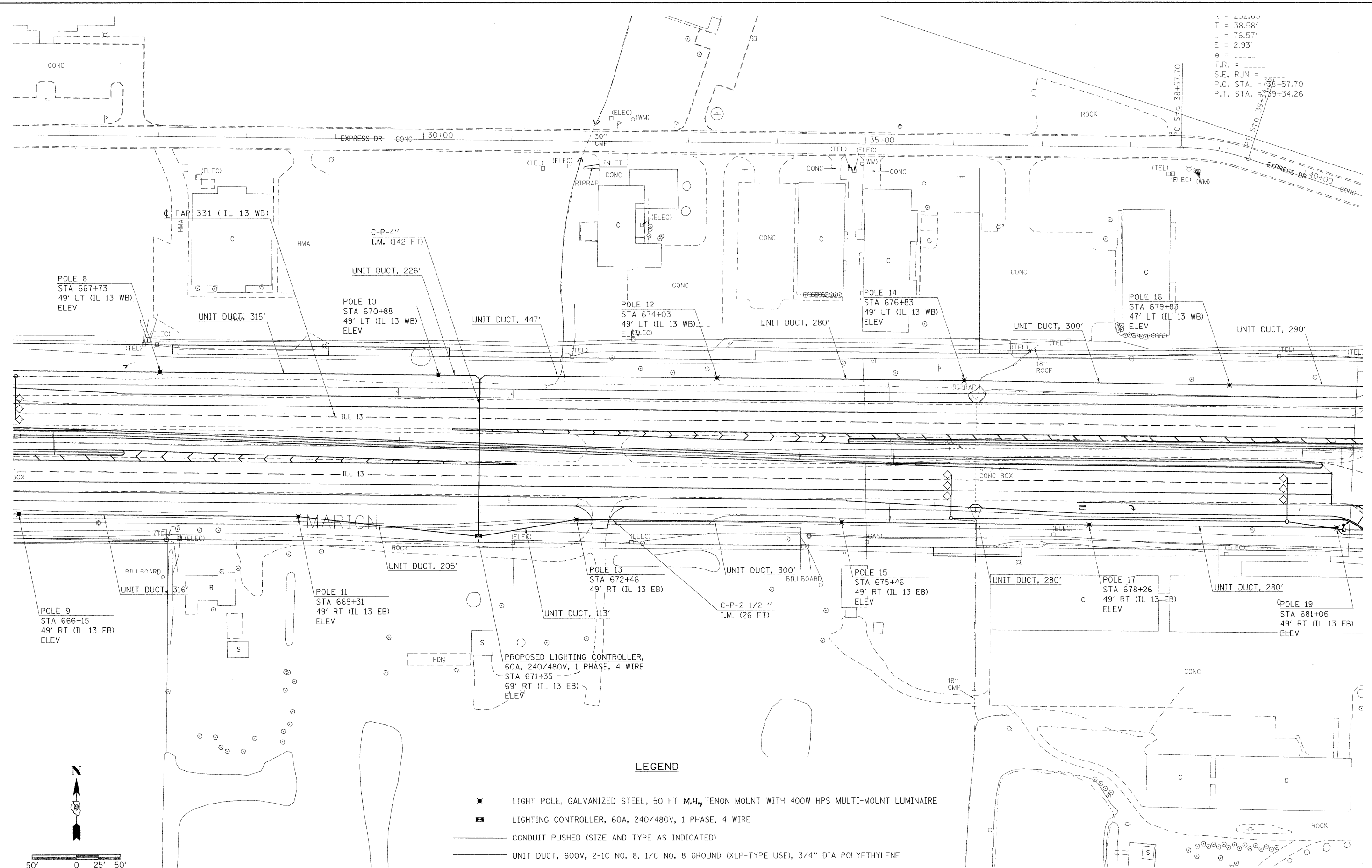
POLE 9
 STA 666+15
 49' RT (IL 13 EB)
 ELEV

LEGEND

- ✕ LIGHT POLE, GALVANIZED STEEL, 50 FT M.H., TENON MOUNT WITH 400W HPS MULTI-MOUNT LUMINAIRE
- ☒ LIGHTING CONTROLLER, 60A, 240/480V, 1 PHASE, 4 WIRE
- CONDUIT PUSHED (SIZE AND TYPE AS INDICATED)
- UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND (XLP-TYPE USE), 3/4" DIA POLYETHYLENE

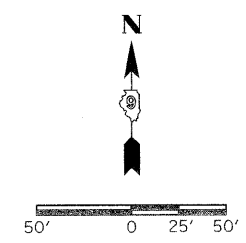
FILE NAME = c:\pwork\pwwdot\shepardgd\dms47330\F	USER NAME = shepardgd dstimi3-sht-light.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED HIGHWAY LIGHTING ILLINOIS 13 AND TERMINAL DRIVE			F.A.P. RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 87
PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 653+00.00 TO STA. 668+00.00	CONTRACT NO. 98857		
PLOT DATE = 10/14/2009	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

n = 2.26.00
 T = 38.58'
 L = 76.57'
 E = 2.93'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 38+57.70
 P.T. STA. = 39+34.26



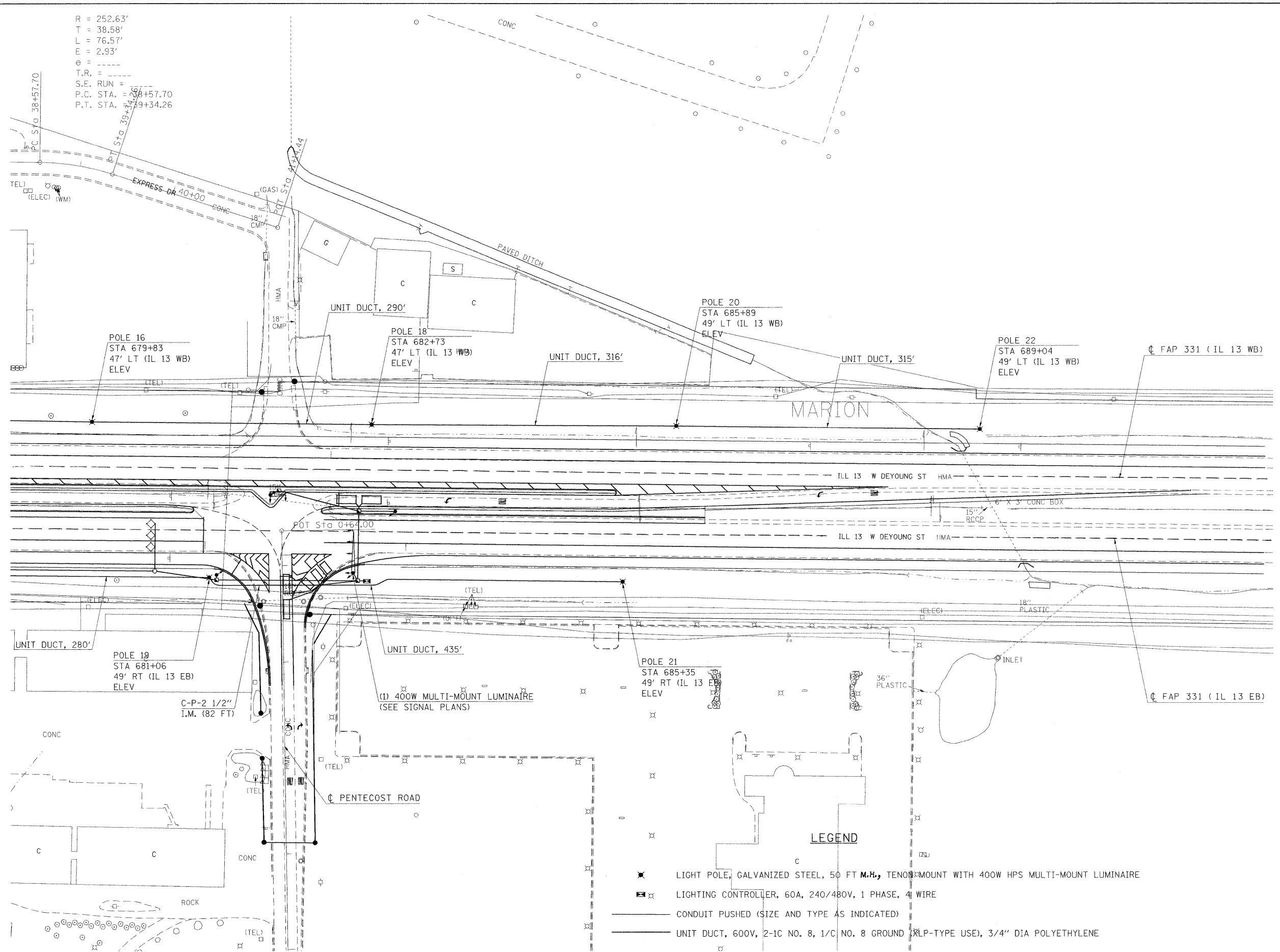
LEGEND

- ✱ LIGHT POLE, GALVANIZED STEEL, 50 FT M.H., TENON MOUNT WITH 400W HPS MULTI-MOUNT LUMINAIRE
- ⊠ LIGHTING CONTROLLER, 60A, 240/480V, 1 PHASE, 4 WIRE
- CONDUIT PUSHED (SIZE AND TYPE AS INDICATED)
- UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND (XLP-TYPE USE), 3/4" DIA POLYETHYLENE



FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED HIGHWAY LIGHTING ILLINOIS 13 BETWEEN PENTECOST ROAD AND TERMINAL DRIVE			F.A.P. RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 88
ct:\pwwork\pwwid001\shepardgd\des47330\	dstmi3-sht-light.dgn	DRAWN -	REVISED -		SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 667+00.00 TO STA. 681+00.00	CONTRACT NO. 98857		
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -							ILLINOIS FED. AID PROJECT		
	PLOT DATE = 10/14/2009	DATE -	REVISED -									

R = 252.63'
 T = 38.58'
 L = 76.57'
 E = 2.93'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 38+57.70
 P.T. STA. = 39+34.26

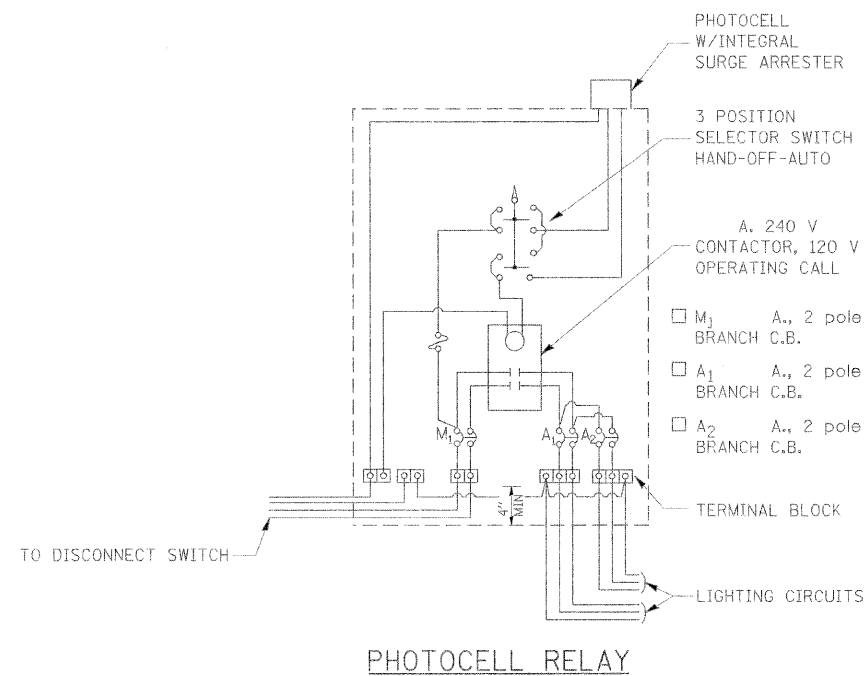


- LEGEND**
- ✖ LIGHT POLE, GALVANIZED STEEL, 50 FT M.H., TENON MOUNT WITH 400W HPS MULTI-MOUNT LUMINAIRE
 - ⊠ LIGHTING CONTROLLER, 60A, 240/480V, 1 PHASE, 4 WIRE
 - CONDUIT PUSHED (SIZE AND TYPE AS INDICATED)
 - UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND (XLP-TYPE USE), 3/4" DIA POLYETHYLENE

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED HIGHWAY LIGHTING ILLINOIS 13 AND PENTECOST ROAD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pwork\PWIDOT\SHEPARDGD\des473301	dstm13-sht-light.dgn	DRAWN -	REVISED -		SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 680+00.00 TO STA. 692+00.00	331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	89
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -											CONTRACT NO. 98857
	PLOT DATE = 10/14/2009	DATE -	REVISED -											ILLINOIS FED. AID PROJECT

OUTDOOR LIGHTING CONTROL CABINET

(GROUND MOUNT CABINET ONLY)



REVISIONS	
DRAWN	5-18-90
REVISED	5-13-02
REVISED	3-26-08
REVISED	

STD. 9-76

DETAIL OF DETECTOR LOOPS

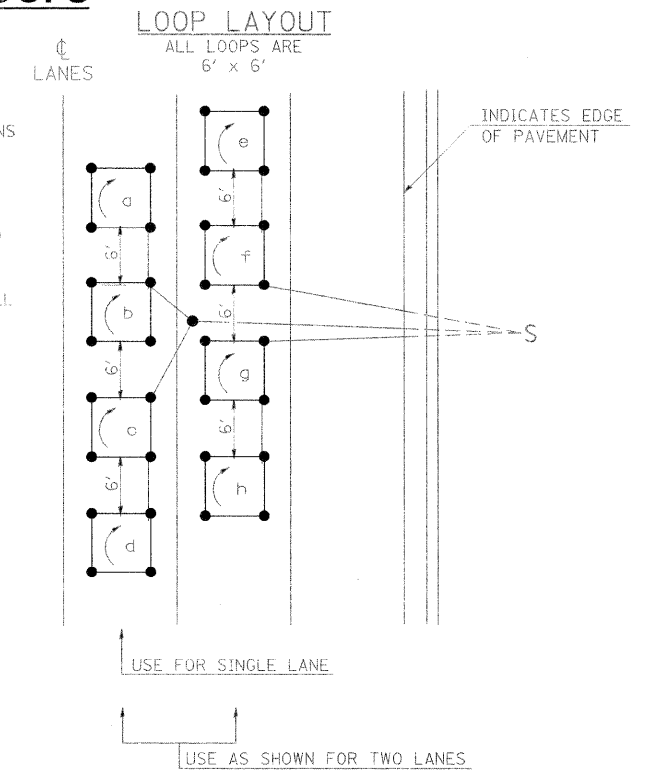
NOTES

(APPLIES TO 6' x 6' LOOPS ONLY)

1. THE DETECTOR LOOPS SHALL BE TYPE I. EACH DETECTOR LOOP SHALL HAVE 3 TURNS OF LOOP WIRE AND BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 886 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
2. BEGINNING LEAD WIRES SHALL BE CONNECTED TO THE BLACK LEAD AND THE ENDING LEAD WIRES SHALL BE CONNECTED TO THE WHITE LEAD OF THE TWIN TWISTED FEED CABLES AT THE SPLICE POINT.
3. WHERE THE LOOPS ARE INSTALLED PRIOR TO RESURFACING, THE LOOP CORNERS SHALL BE DIAGONALLY CUT.

LOOP LEGEND

- () CLOCKWISE ROTATION FOR LOOP WIRES
- S INDICATES SPLICE POINT FOR DETECTOR LOOP LEAD
- INDICATES 2" CORE-DRILL

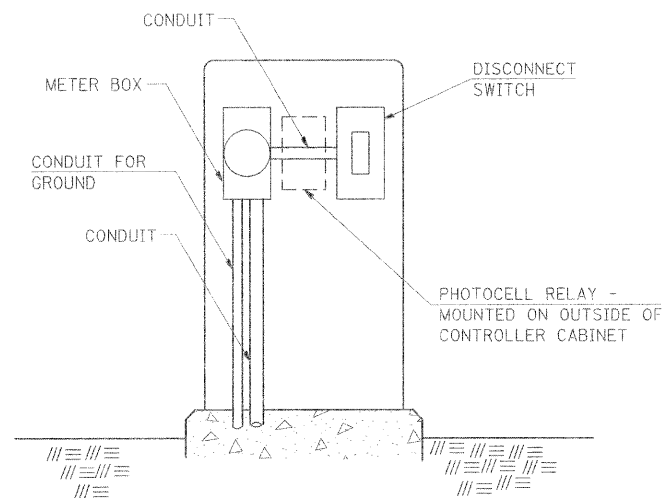


DETAIL 6' x 6' DETECTOR LOOPS

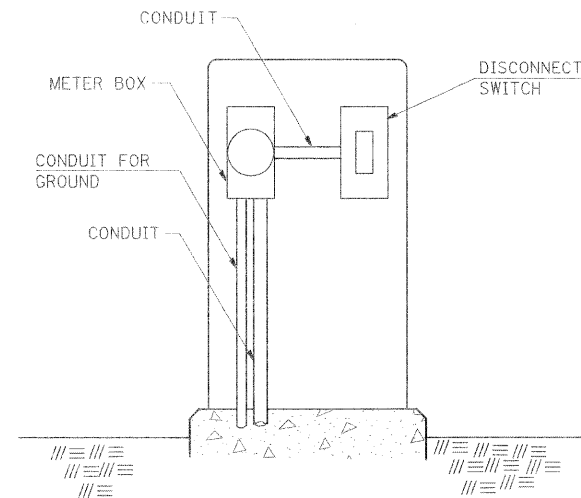
REVISIONS	
REDRAWN	5-13-02
REVISED	10-27-05
REVISED	3-26-08
REVISED	

STD. 9-92

SERVICE INSTALLATION DETAILS



SERVICE INSTALLATION (SPECIAL) WITH PHOTOCELL RELAY



SERVICE INSTALLATION (SPECIAL)

NOTE:

MATERIAL AND SIZE OF CONDUIT AND CABLE AS REQUIRED BY UTILITY COMPANY

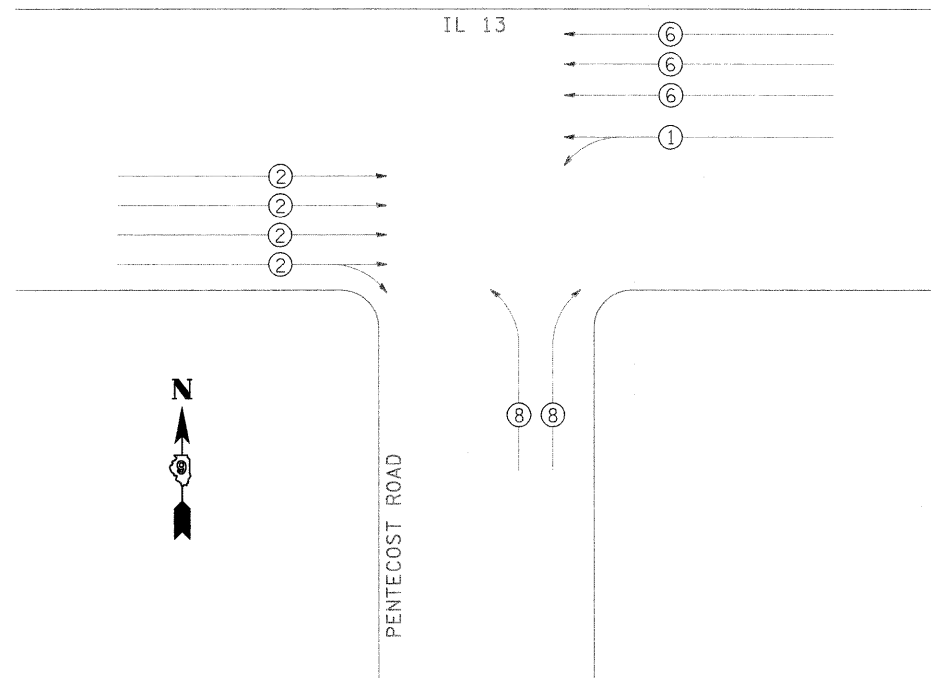
REVISIONS	
DRAWN	1-31-90
REVISED	2-24-92
RESIZED	5-7-08

STD. 9-68

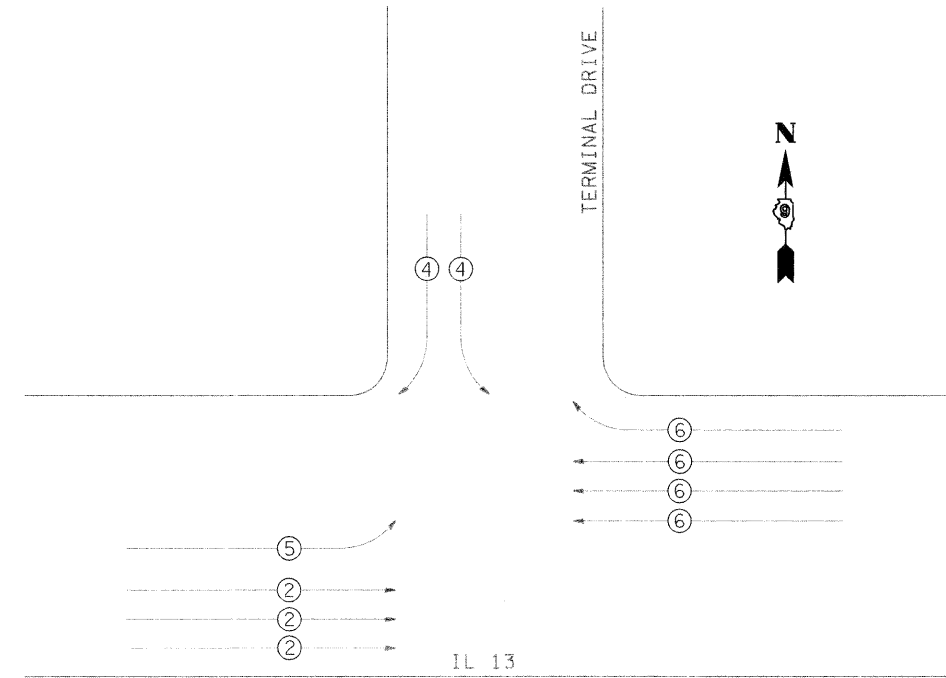
FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS - OUTDOOR LIGHTING CONTROL CABINET, SERVICE INSTALLATION AND DETECTOR LOOPS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\PW\DOT\SHEPARDGD\dms47330\F	dstumj3-eh-t-light.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	90
PLOT SCALE = 5/8"=1'-0" IN.		CHECKED -	REVISED -			CONTRACT NO. 98857				
PLOT DATE = 10/14/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO. OF SHEETS	STA. 653+00.00 TO STA. 668+00.00				

PHASE DESIGNATION DIAGRAMS

PENTECOST ROAD AND IL 13

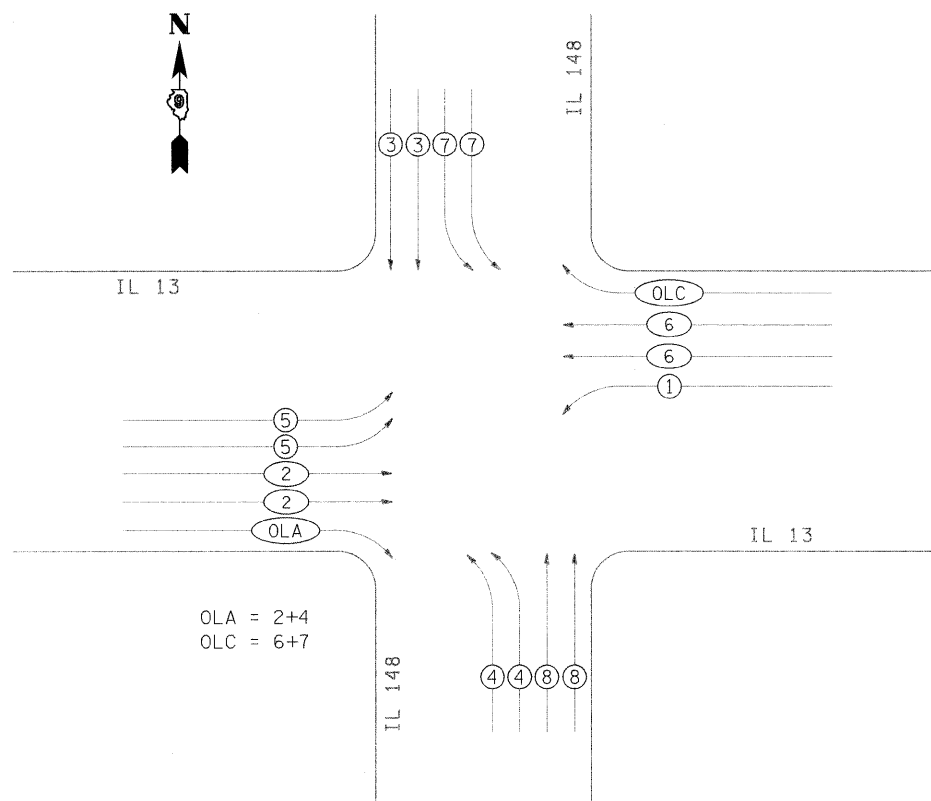


TERMINAL DRIVE AND IL 13

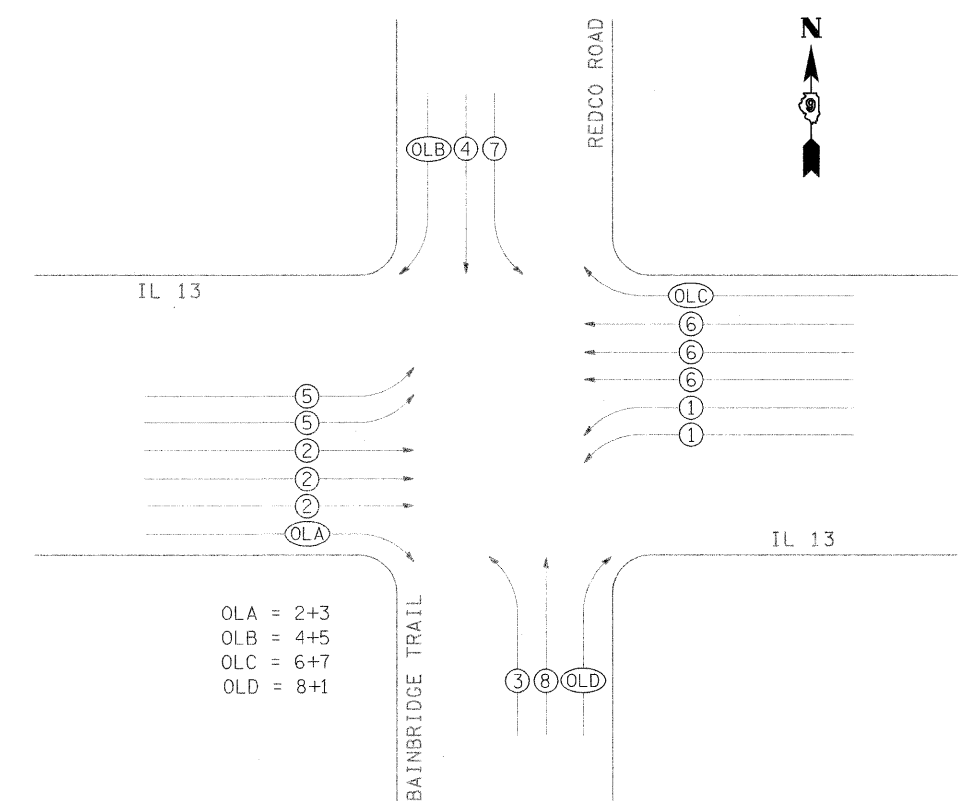


**CONTROLLER SPECIFIED:
FULL ACTUATED CONTROLLER,
STANDARD SEQUENCE IV,
8 PHASE, TYPE IV CONTROLLER
CABINET**

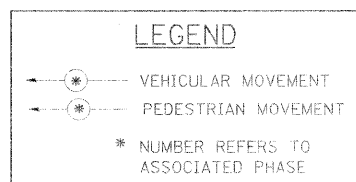
IL 148 AND IL 13



BAINBRIDGE TRAIL AND IL 13



REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED AS SHOWN.



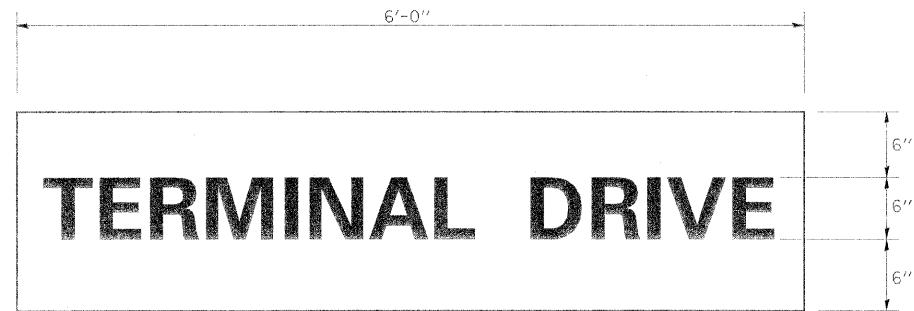
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c:\pwork\PWIDOT\SHEPARDGD\dms47332\fdstml3-sht-lightdgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 10/14/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PHASE DESIGNATION DIAGRAMS FOR TERMINAL DR.,
PENTECOST RD., IL 148 AND BAINBRIDGE TR.**

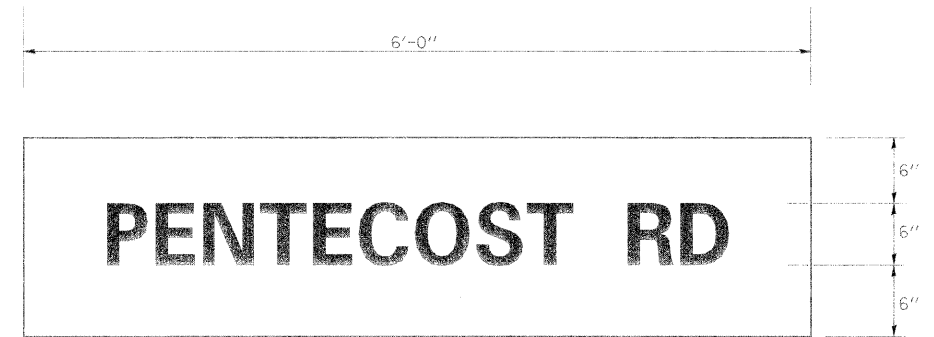
SCALE: SHEET NO. OF SHEETS STA. 653+00.00 TO STA. 668+00.00

F.A.P. RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	CONTRACT NO. 98857
ILLINOIS FED. AID PROJECT			REVISIONS DRAWN 1-31-90 REVISED 5-30-90 REVISED 12-16-01 REVISED 3-27-08



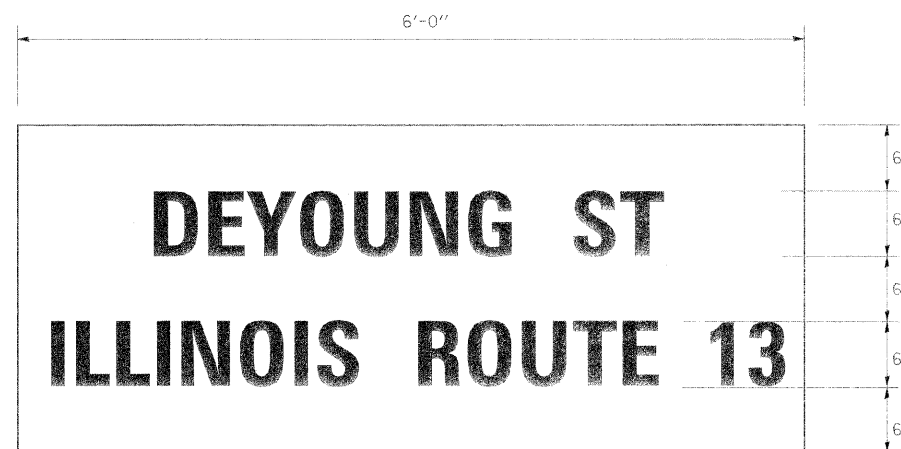
SIGN PANEL – TYPE 1

6'-0" X 1'-6"
 STA 660+41.47
 43.00' RT IL 13 WB



SIGN PANEL – TYPE 1

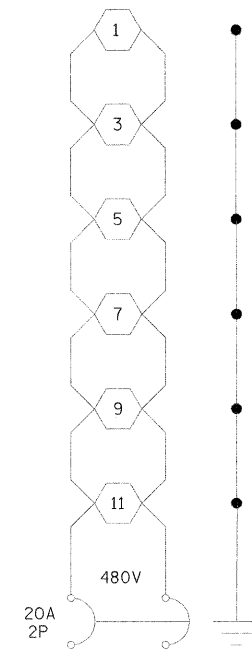
6'-0" X 1'-6"
 STA 682+55.02
 43.00' RT IL 13 EB



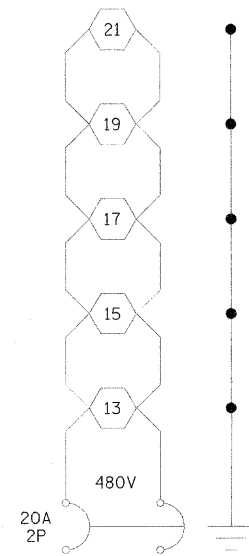
SIGN PANEL – TYPE 2

6'-0" X 2'-6"
 STA 661+17.00
 29.29' RT IL 13 EB
 STA 681+68.55
 27.19' RT IL 13 WB

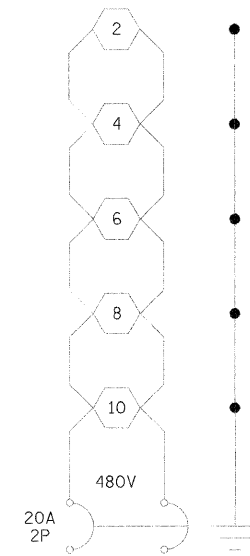
FILE NAME = c:\pw\work\PWIDOT\SHEPARDG0\dms47330\F	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN PANEL DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	dstum13-sht-light.dgn	DRAWN -	REVISED -					331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	92
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	SCALE:		SHEET NO.	OF	SHEETS	STA. 653+00.00 TO STA. 668+00.00	ILLINOIS FED. AID PROJECT			
PLOT DATE = 10/14/2009	DATE -	REVISED -	CONTRACT NO. 98857									



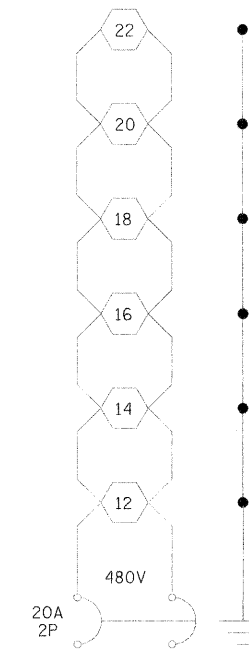
CONTROLLER 1 CKT. A



CONTROLLER 1 CKT. B



CONTROLLER 1 CKT. C



CONTROLLER 1 CKT. D

LEGEND

 400W ROADWAY LUMINAIRE

FILE NAME = c:\npw_work\NPWIDOT\SHEPARDDG\dms47330\F	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED HIGHWAY LIGHTING CIRCUIT DIAGRAMS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	dstm13-shr-11ght.dgn	DRAWN -	REVISED -			331	(1-2)N-2,R;(1X-1)N-3,R-2	WILLIAMSON	202	93
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 98857				
	PLOT DATE = 10/14/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO. OF SHEETS		STA. 653+00.00 TO STA. 668+00.00		

GENERAL NOTES

1. ALL LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
2. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
3. THE PROPOSED LIGHT POLES SHALL BE GALVANIZED STEEL TENON TOP POLES AND SHALL BE INSTALLED 25 FEET FROM EDGE OF PAVEMENT OR AS DIRECTED BY THE ENGINEER. LIGHT POLE FOUNDATIONS SHALL BE INSTALLED PLUMB AND FLUSH WITH THE PROPOSED GRADE AND SHALL MEET THE HEIGHT REQUIREMENTS OF ARTICLE 836.03 OF THE STANDARD SPECIFICATIONS. AFTER UNIT DUCT IS INSTALLED, FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE ACCORDING TO ARTICLE 836.03. A STAINLESS STEEL SCREEN SHALL BE INSTALLED TO SEAL THE OPENING BELOW THE POLE BASE FROM RODENT ENTRY.
4. THE CONTRACTOR SHALL REMOVE AND SALVAGE THE EXISTING LIGHTING UNITS AT TERMINAL DRIVE DURING CONSTRUCTION AS IDENTIFIED ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE SALVAGED LIGHT POLES AND LUMINAIRES SHALL BE DELIVERED TO THE IDOT MAINTENANCE FACILITY IN CARBONDALE IN ACCORDANCE WITH SECTION 842 OF THE STANDARD SPECIFICATIONS UNLESS DIRECTED OTHERWISE. LUMINAIRES SHALL BE CRATED IN CONTAINERS ACCEPTABLE TO THE ENGINEER.
5. NEW SPLICES, FUSES, FUSEHOLDERS, AND SURGE PROTECTORS SHALL BE PROVIDED AND INSTALLED FOR ALL LUMINAIRES.
6. THE EXISTING LIGHT POLES AT TERMINAL DRIVE ARE POWERED FROM A CIRCUIT BREAKER IN THE AIRPORT SIGN LIGHTING PANEL WITH A SMALL RELAY AND PHOTOCELL CONTROL. REMOVAL OF THE EXISTING IDOT LIGHTING CONTROLS, WIRING, CONDUIT, AND ACCESSORIES SHALL BE PAID FOR UNDER "REMOVAL OF LIGHTING CONTROLLER".
7. THE EXISTING LIGHTING CONTROLLER, LIGHTING FOUNDATIONS, AND ASSOCIATED HARDWARE TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE AT THE CONTRACTOR'S EXPENSE.

ILLINOIS DEPARTMENT OF TRANSPORTATION
400W LUMINAIRE PERFORMANCE TABLE

1/1/03

GIVEN CONDITIONS

ROADWAY DATA:	Pavement Width	36 FT
	Number Of Lanes	3
	Median Width	40 FT
	IES Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA:	Mounting Height	50 FT
	Mast Arm Length	0 FT
	Pole Set-Back From Edge of Pavement	25 FT
LUMINAIRE DATA:	Lamp Type	HPS
	Lamp Lumens	50,000
	IES Vertical Distribution	L
	IES Control of Distribution	N
	IES Lateral Distribution	4
	Total Light Loss Factor	0.684
LAYOUT DATA:	Spacing	315 FT
	Configuration	Staggered w/ Median
	Luminaire Overhang Over Edge of Pavement Lane	-25 FT

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

LIGHTING BILL OF MATERIALS

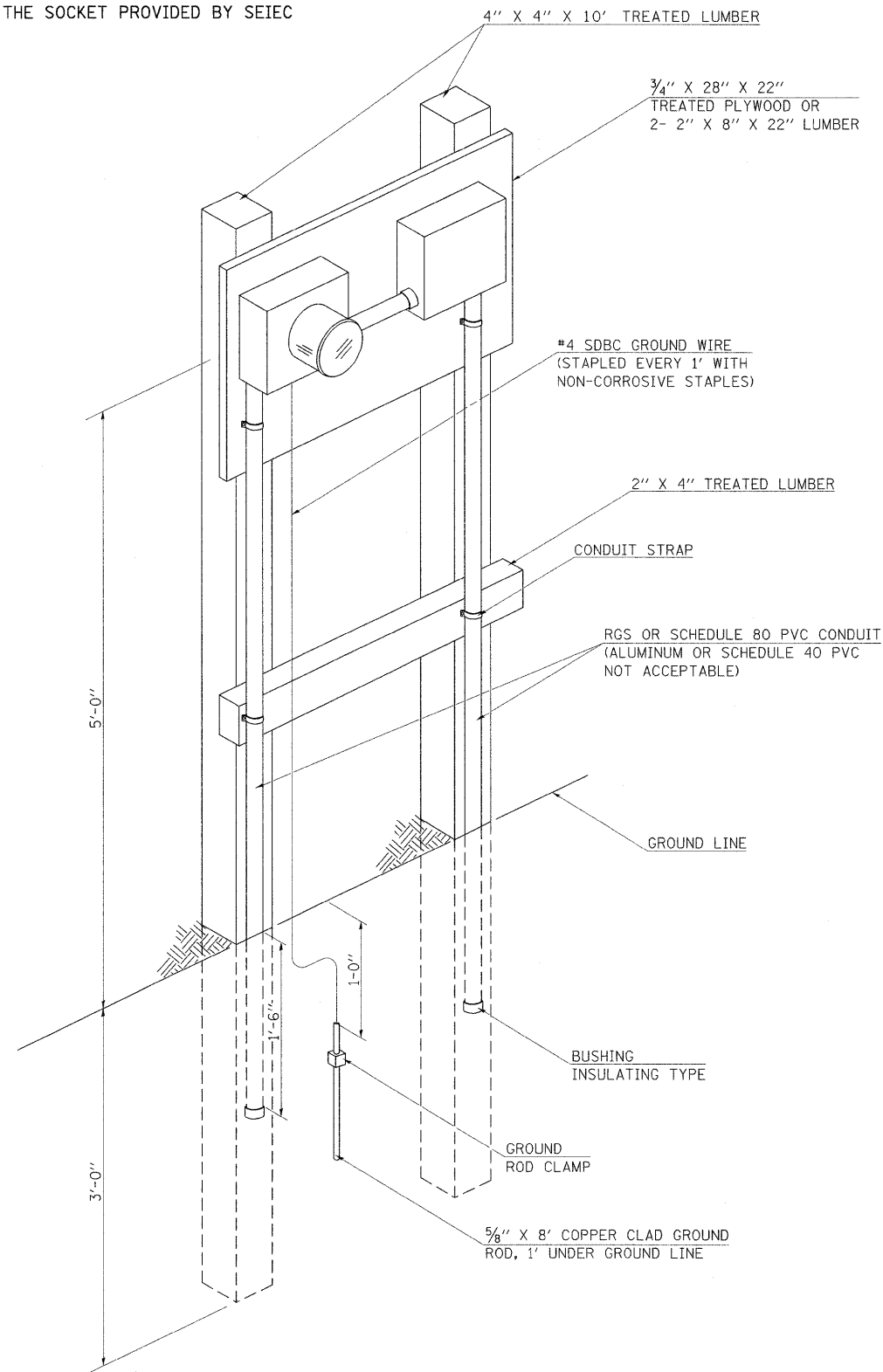
CODE NO.	ITEM	UNIT	TOTAL QUANTITIES
X8440102	RELOCATE EXISTING LUMINAIRE	EACH	8
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81020600	CONDUIT PUSHED, 2 1/2" DIA., INTERMEDIATE METAL	FOOT	213
81020900	CONDUIT PUSHED, 4" DIA., INTERMEDIATE METAL	FOOT	142
81603000	UNIT DUCT, 600V, 2-1C NO. 8 GROUND, 1/C (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	6839
81700315	ELECTRIC CABLE IN CONDUIT, 600V (EPR- TYPE RHW) 3-1/C NO. 10	FOOT	1191
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	6190
82104000	LUMINAIRE, SODIUM VAPOR, MULTIMOUNT, 400 WATT	EACH	24
82500520	LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 480VOLT	EACH	1
82500605	LIGHTING CONTROLLER PHOTOCELL RELAY	EACH	3
83060840	LIGHT POLE, GALVANIZED STEEL, 50 FT. M. H., TENON MOUNT	EACH	22
83600357	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8"	EACH	22
83800650	BREAKWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	88
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	5
84200700	LIGHTING FOUNDATION REMOVAL	EACH	5
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1

PERFORMANCE REQUIREMENTS

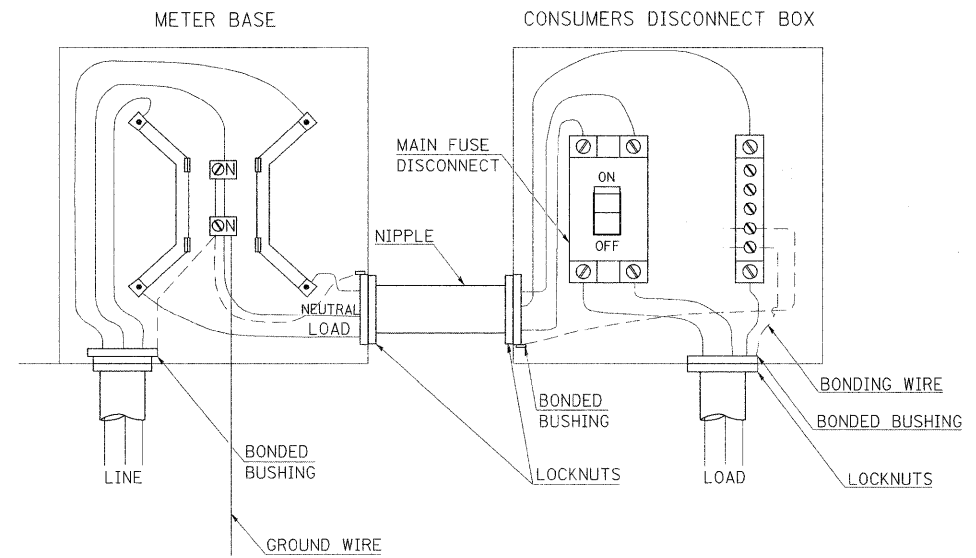
NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination: (E _{Ave})	0.90 fc
	Uniformity Ratio: (E _{Ave} /E _{Min})	3.0
LUMINANCE:	Average Luminance: (L _{Ave})	0.60 Cd/m ²
	Uniformity Ratios: (L _{Ave} /L _{Min})	3.5
	(L _{Max} /L _{Min})	6.0
	Maximum Veiling Luminance Ratio: (L _v /L _{Ave})	0.3

SEIEC WILL NOT CONNECT ANY SOCKET OTHER THAN THE SOCKET PROVIDED BY SEIEC

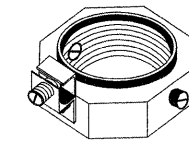


WATER PIPE AND WATER PIPE FITTINGS ARE NOT ACCEPTABLE



CAPACITY AMPS	WIRE SIZE THHN		CONDUIT SIZE	NO. OF WIRES	BONDING CONDUCTOR	
	COPPER	ALUMINUM			CU THHN	AL THHN
100	2/0	1/0	2"	3+GRD	6	2
200	3/0	4/0	2 1/2"	3+GRD	6	2
325	350 MCM	N.A.*	3"	3+GRD	4	N.A.*

ALL 3 WIRES TO BE INSULATED TYPE THIN OR EQUIVALENT
 * ALL 325 AMP SERVICES SHALL BE COPPER CONDUCTORS ONLY



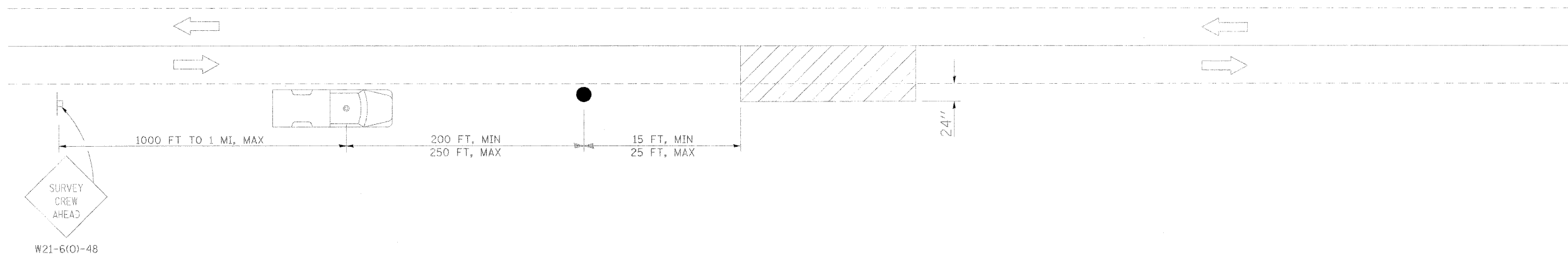
INSULATED BONDING AND GROUNDING BUSHING

NOTES:



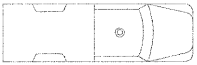

- METER BASES ARE FURNISHED WITHOUT CHARGE TO MEMBERS WHO ARE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF THE DEVICE. THE MEMBER IS TO FURNISH ALL MATERIAL EXCEPT THE METER BASE.
- TIE GROUND AND NEUTRL LEADS TO A COMMON POINT IN A METER BOX.
- SEIEC WILL NOT MAKE ANY CONNECTIONS UNTIL COMPLETE SERVICE IS INSTALLED INCLUDING LOAD WIRES AND MAIN BREAKER PANEL.

INSTALLATION CHECKLIST

METER PEDESTAL FRAME IS CONSTRUCTED	
GROUND ROD AND GROUND WIRE INSTALLED	
ALL BONDING BUSHINGS AND JUMPERS ARE INSTALLED	
LOAD WIRES AND MAIN BREAKER PANEL ARE INSTALLED	
CONTACT SEIEC TO INFORM THAT SERVICE IS INSTALLED	



SYMBOLS

-  - WORK AREA
-  - SIGN ON PORTABLE OR PERMANENT SUPPORT
-  - TRUCK WITH FLASHING AMBER LIGHT AND DUAL EMERGENCY FLASHERS
-  - FLAGGER WITH TRAFFIC CONTROL SIGN

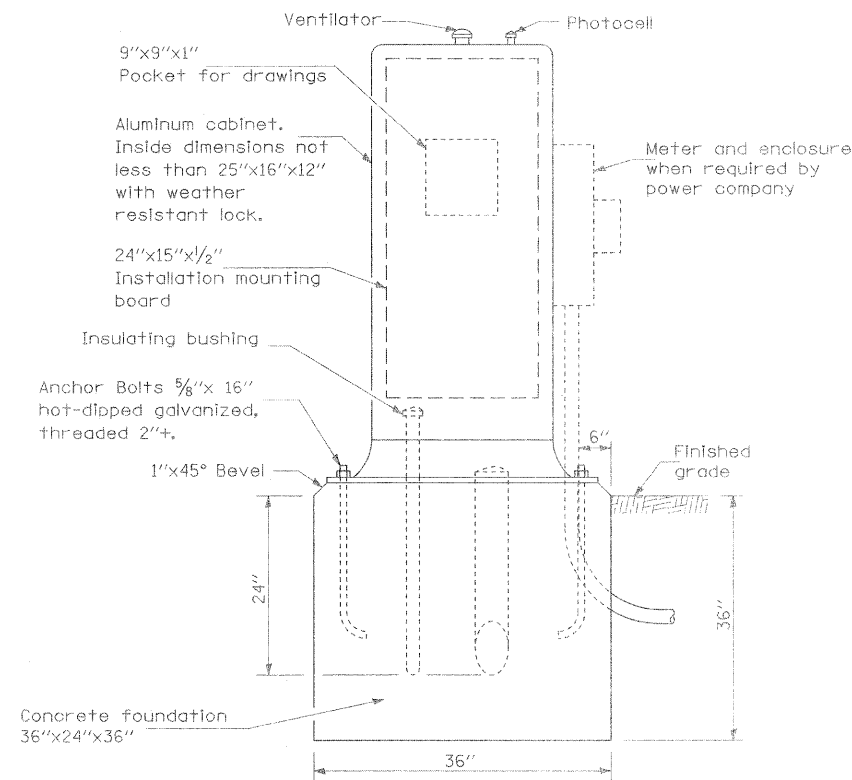
TYPICAL APPLICATIONS:
UTILITY OPERATIONS

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

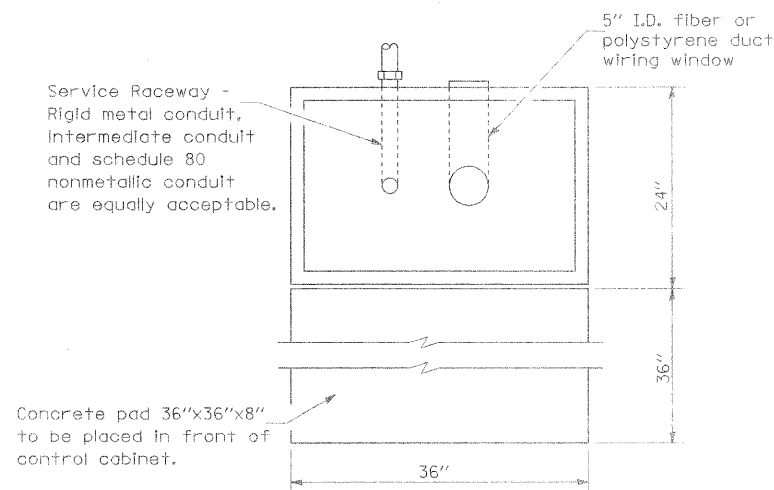
DETAIL FOR
NIGHTTIME LIGHTING
INSPECTION

LGT-017

FILE NAME = e:\pwork\NPWIDOT\SHEPARDGD\dms47330\fdstmi3-ght-light.dgn	USER NAME = sheperdgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NIGHTTIME LIGHTING INSPECTION DETAIL			F.A.P. RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 96
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -					CONTRACT NO. 98857				
PLOT DATE = 10/14/2009	DATE -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. 653+00.00 TO STA. 668+00.00			ILLINOIS FED. AID PROJECT						

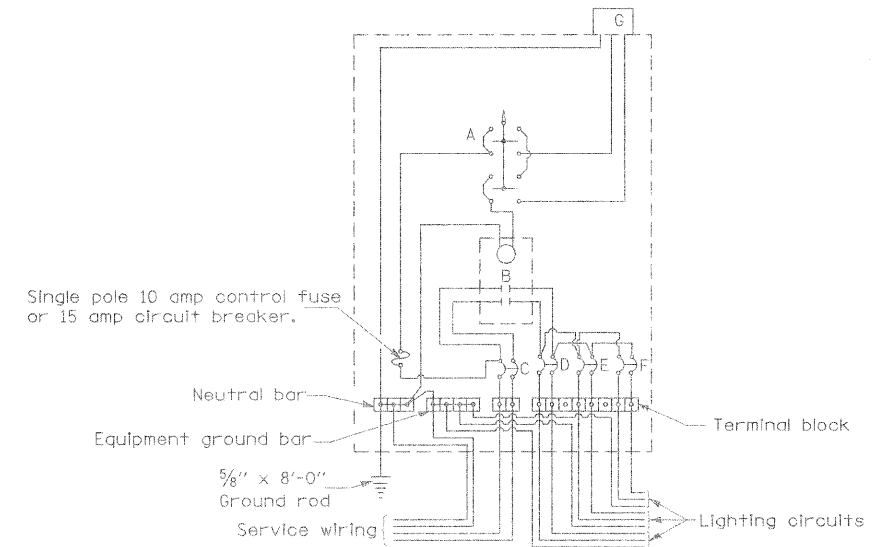


CONTROL INSTALLATION
(FRONT VIEW)



FOUNDATION
(TOP VIEW)

- A Selector switch
- B 2 Pole 100 amp contactor
- C 2 Pole 60 amp service disconnect
- D,E,F 2 Pole 30 amp breakers
- G Photocell w/integral surge arrester



WIRING DIAGRAM

GENERAL NOTES

Locate service pole and control installation adjacent to R.O.W. line with a minimum distance of 30' from the edge of pavement. Exact location shall be established by the Engineer.

The underground service entrance wiring shall not exceed 150'. Total aerial and underground service between the control installation and primary transformer shall not exceed 250'.

Raceways shall terminate 3" above top of concrete foundation.

For 480 V. systems, a 480/120 V. control transformer will be required.

- 240 V. SERVICE
- 480 V. SERVICE

All dimensions are in inches unless otherwise shown.

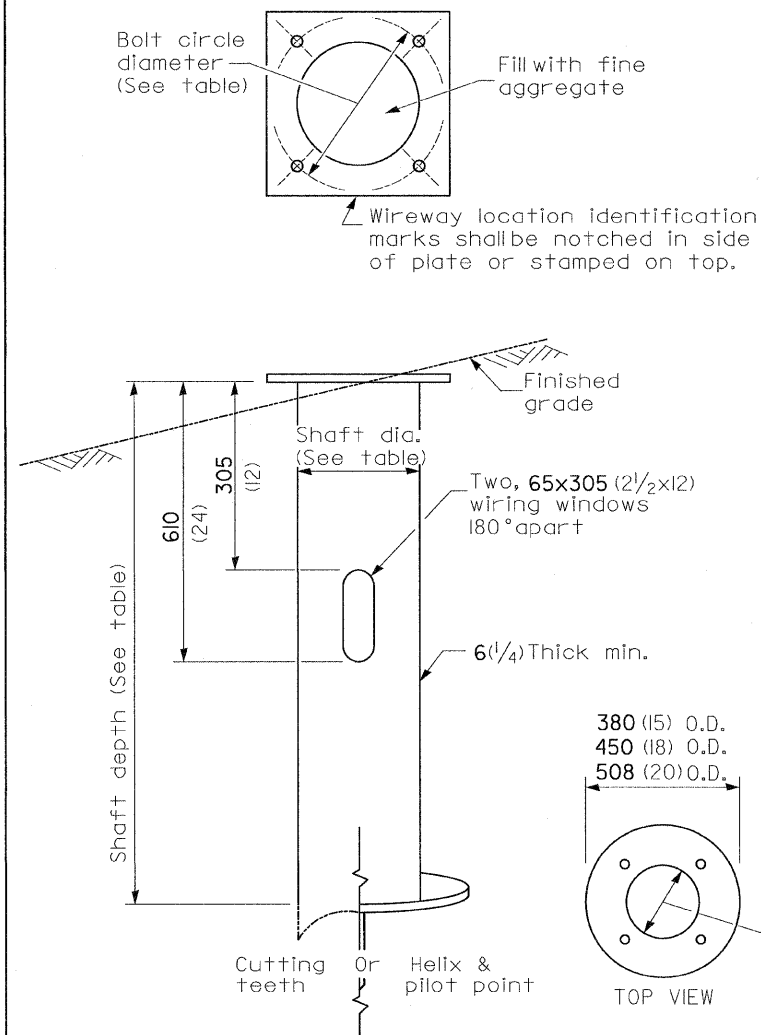
CONTROL INSTALLATION
TYPE CB-RCS-100

LGT-006

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONTROL INSTALLATION DETAIL	F.A.P. RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 97		
es\pwork\pwork\1DOT\SHEPARDGD\dss47338\fdstam13-sht-light.dgn		DRAWN -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. 653+00.00 TO STA. 668+00.00	CONTRACT NO. 98857			
		CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									

LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	STEEL FOUNDATION			CONCRETE FOUNDATION		
		SHAFT DIAMETER	SHAFT DEPTH	TOP PLATE (min)	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH ①
< 9.1 m (30')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.52 m (5'-0")	1.45 m (4'-9")
9.4 m - 10.7 m (31'-35')	292 (11.5)	220 (8 5/8)	1.83 m (6')	300 x 300 x 25 12 x 12 x 1	610 (24)	1.67 m (5'-6")	1.60 m (5'-3")
10.9 m - 12.2 m (36'-40')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.83 m (6'-0")	1.75 m (5'-9")
12.5 m - 13.7 m (41'-45')	381 (15) ③	220 (8 5/8)	1.83 m (6') ②	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	1.98 m (6'-6")	1.90 m (6'-3")
14.0 m - 15.2 m (46'-50')	381 (15) ③	220 (8 5/8)	2.44 m (8')	375 x 375 x 31 15 x 15 x 1 1/4	762 (30)	2.13 m (7'-0")	2.00 m (6'-9")

- ① Length does not include 100 (4) hook
 ② 220 mm x 2.44 m (8 5/8" x 8'-0") for Twin luminaires
 ③ Bolt circle diam. shall be 430 (17) when a TB3-17 transformer base is used



STEEL FOUNDATION

RING PLATE DETAIL

(When rock is encountered and foundation is shallower)

Length above foundation shall be adjusted to accommodate breakaway devices furnished by the contractor for a specific installation.

Use dirt removed from foundation to meet 1.52m (5 ft.) chord fill around foundation top. Grade dirt level with bottom of concrete chamfer.

125 (5) I.D. P.V.C. wireway window. Fill with fine aggregate

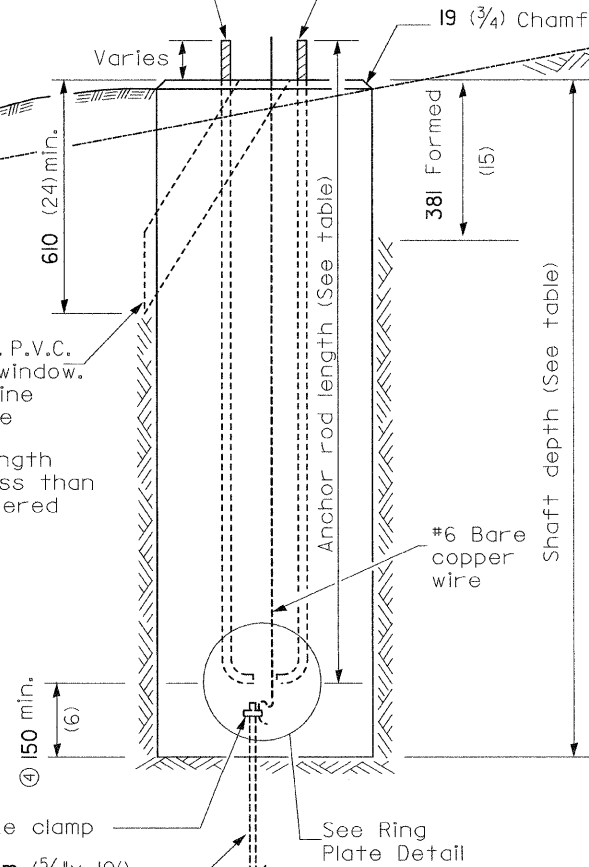
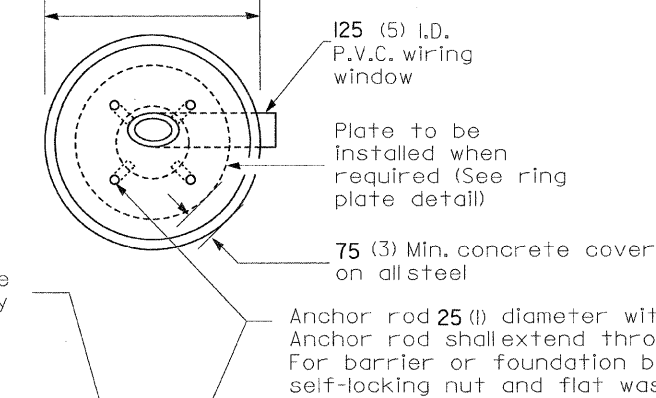
④ If the required anchor rod length above top of foundation is less than 75 (3), anchor rods may be lowered below 150 (6).

230 (9) I.D. with 292 (11.5) bolt circle
 305 (12) I.D. with 381 (15) bolt circle
 356 (14) I.D. with 432 (17) bolt circle

Cast bronze clamp
 16 mm x 3 m (5/8" x 10') Copper clad grounding electrode. When foundation is set in rock, install ground electrode in cable trench.

CONCRETE FOUNDATION

610 (24) min. dia. with 292 (11.5) bolt circle
 762 (30) min. dia. with 381 (15) or 432 (17) bolt circle



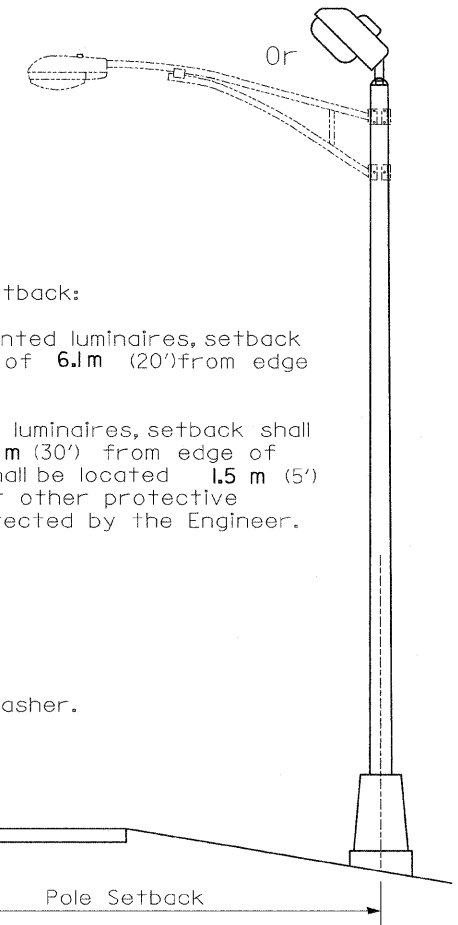
Notes:

- Wireway may be on front, back or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.
- Top of schedule 40 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.
- All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.
- Anchor rod shall be increased to 31 (1 1/4) diameter for 15.24 (50') mounting height or above.
- TB3-17 transformer base is not to be used on metal foundation

Pole Foundation Setback:

For horizontal mounted luminaires, setback shall be a minimum of 6.1m (20') from edge of pavement.

For vertical mount luminaires, setback shall be a minimum of 9 m (30') from edge of pavement. Poles shall be located 1.5 m (5') behind guardrail or other protective barriers, or as directed by the Engineer.



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

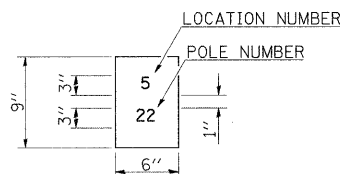
DATE	REVISIONS
10/7/02	Bridge Office depth calc.

LIGHT POLE FOUNDATION

LGT007-836

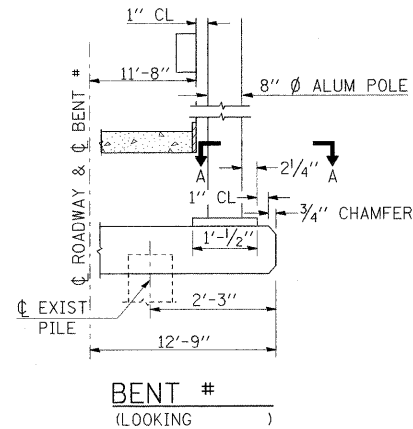
"INSTALL AND ORIENT ARM BRACKET OVER POLE TENON AND FIRMLY HAND TIGHTEN THE TWO SET SCREWS. USE THIRD HOLE IN ARM BRACKET AS A GUIDE TO DRILL A 3/64 DIAMETER HOLE THROUGH TENON. INSTALL AND TIGHTEN SELF-TAPPING SCREW. TIGHTEN SET SCREWS AN ADDITIONAL 1/4 TO 3/8 TURN WITH HEX KEY (NOT PROVIDED). INSTALL LOCKNUTS ON SET SCREWS IF THREADED PROJECTION ALLOWS."

POLE SHALL MEET AASHTO STANDARD SPECIFICATIONS FOR 80 MPH WIND LOADING AND 90 LB, 4.0 SQ. FT E.P.A. LUMINAIRE.

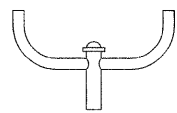


THE CONTRACTOR SHALL FURNISH AND INSTALL A LIGHT POLE IDENTIFICATION OF EACH NEW LIGHT POLE, AS SHOWN ABOVE, INCIDENTAL TO THE RESPECTIVE LIGHT POLE PAY ITEM. THE NUMERALS SHALL BE 3", SERIES "D", BLACK, SCREENED ON SILVER-WHITE TYPE B PRESSURE SENSITIVE REFLECTIVE SHEETING CONFORMING TO THE REQUIREMENTS OF SECTION T602.01 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. THE NUMERALS SHALL CONFORM TO THE FHWA "STANDARD ALPHABETS FOR HIGHWAY SIGNS".

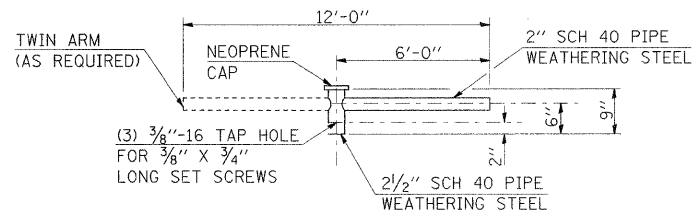
THE LIGHT POLE IDENTIFICATION SHALL BE APPLIED TO SIGN BASE MATERIAL AS SPECIFIED IN SECTION 719.11 OF THE STANDARD SPECIFICATIONS, APPROXIMATELY 7" ABOVE THE ADJACENT PAVEMENT GRADE VISIBLE TO APPROACHING TRAFFIC IN ACCORDANCE WITH HIGHWAY STANDARD 2319.



BENT # (LOOKING)

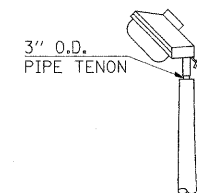


TWIN TENON

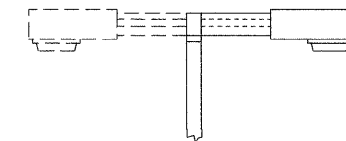


TENON MOUNT BRACKET ARM

NOTE: SINGLE OR TWIN ARM ASSEMBLY SHALL BE TILTED 3° ABOVE HORIZONTAL.

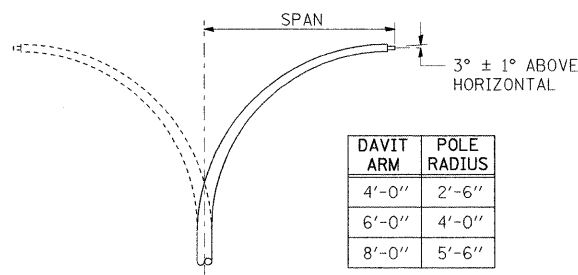


TENON



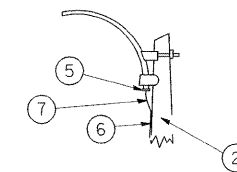
SHORT BRACKET

SHORT BRACKET - TWIN

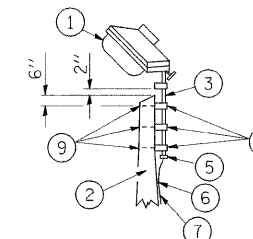


DAVIT ARM (AND OR)

DAVIT ARM-TWIN



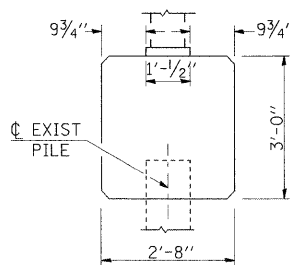
MAST ARM



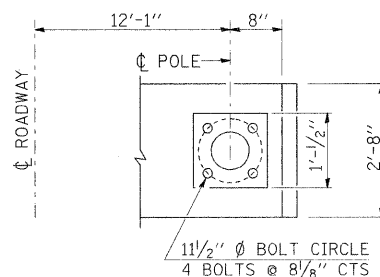
TENON

- ① LUMINAIRE
- ② WOOD POLE, CLASS 3 OR BETTER
- ③ 2 1/2" GALV. STEEL CONDUIT
- ④ SINGLE OFFSET POLE BAND
- ⑤ CONDUIT BUSHING
- ⑥ CABLE CLAMPS ON 2" CENTERS
- ⑦ 2/C #12 TYPE USE CABLE
- ⑧ 1" GALV. STEEL CONDUIT 10' IN LENGTH

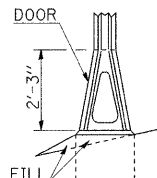
- ⑨ 5/8" Ø HOT DIPPED GALVANIZED BOLT WITH FLAT WASHER & LOCKNUT (3 REQ'D)
- ⑩ CONDUIT CLAMPS ON 3' CENTERS
- ⑪ UNIT DUCT
- ⑫ THREADED REDUCER
- ⑬ "C" CONDULET, THREADED
- ⑭ 1 1/2" GALV. STEEL CONDUIT FOR 1 UNIT DUCT OR 3" GALV. STEEL CONDUIT FOR 2 OR 3 UNIT DUCTS.



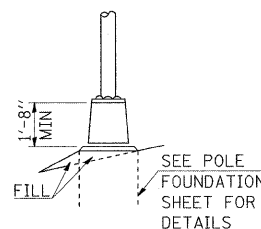
BRIDGE PIER MOUNT



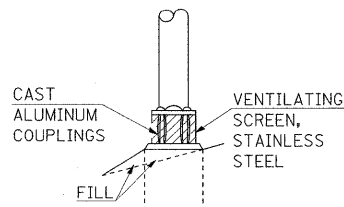
SECTION A-A



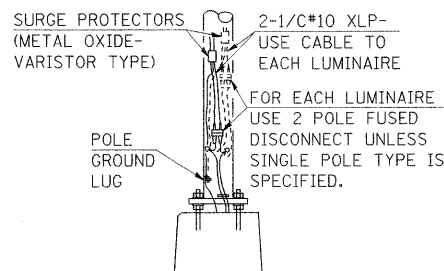
STAINLESS STEEL FLAIR BASE



TRANSFORMER BASE
 FRANGIBLE



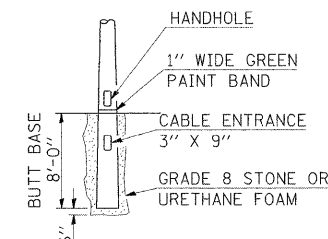
BREAKAWAY COUPLING



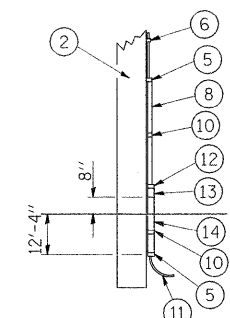
ANCHOR

METAL OR CONCRETE

DETAILS FOR UNDERGROUND DISTRIBUTION IF REQUIRED



BUTT BASE



DETAILS FOR UNDERGROUND DISTRIBUTION IF REQUIRED

POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
65'-0"	12'-0"
60'-0"	10'-0"
55'-0"	9'-0"
50'-0"	8'-0"
45'-0"	7'-0"
40'-0"	6'-6"
35'-0"	6'-0"
30'-0"	5'-6"

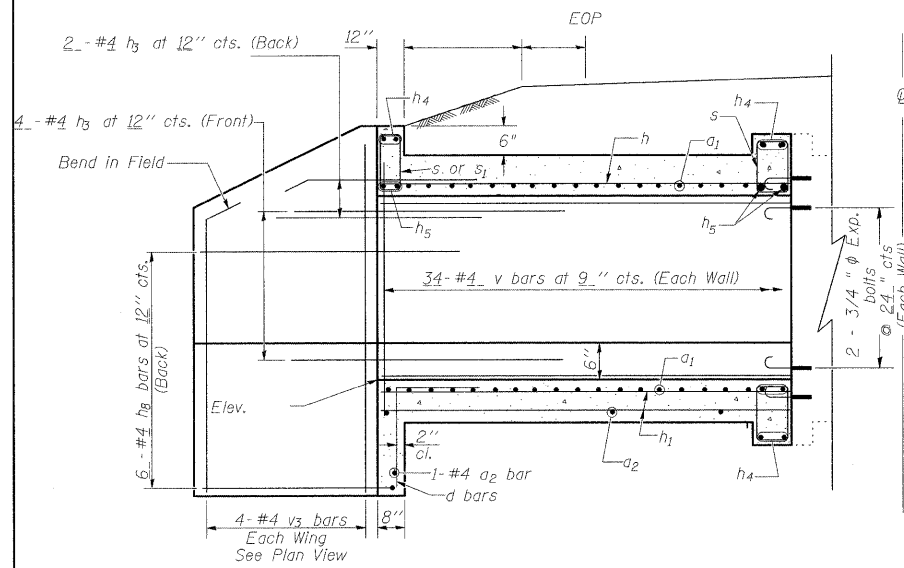
All dimensions are in inches unless otherwise shown.

POLE STANDARDS

REVISIONS	
DRAWN	2-9-01
REVISED	4-14-02
REVISED	
REVISED	

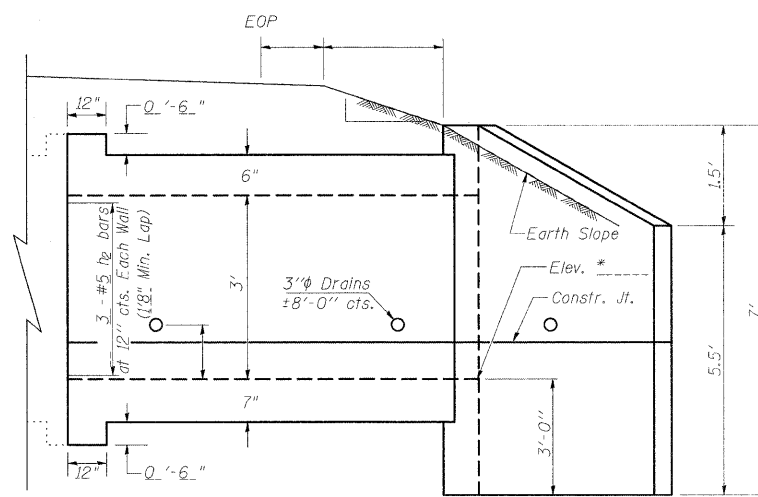
STD. 9-115

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

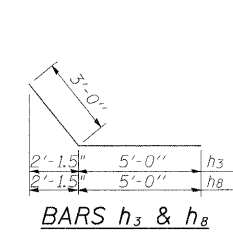


ELEVATION

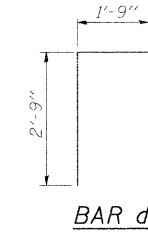
Dimensions at Rt. L's to \emptyset Roadway



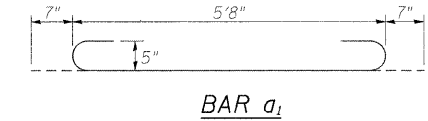
* DSFL 449.51 (EB IL 13)



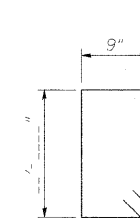
BARS h_3 & h_8



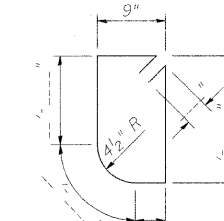
BAR d



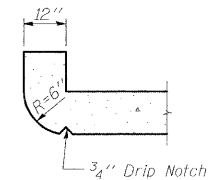
BAR a_1



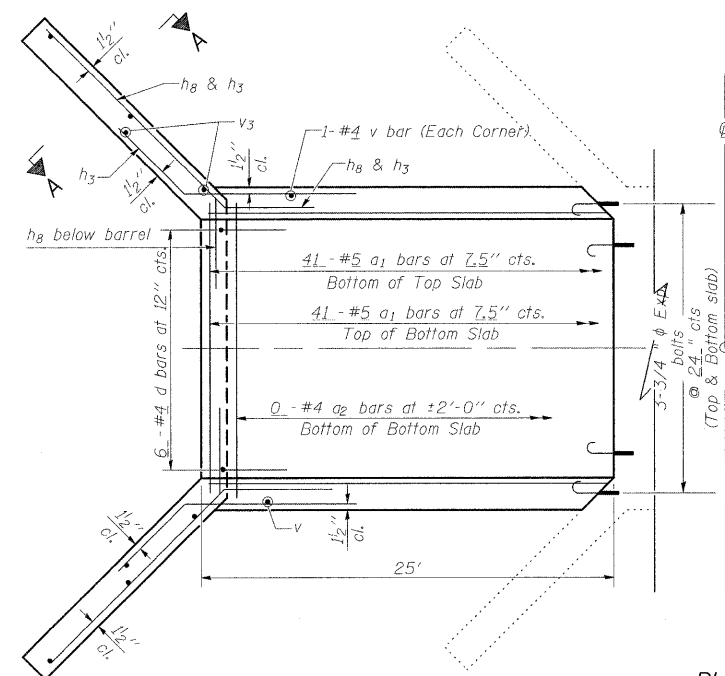
Bar s
(Downstream)



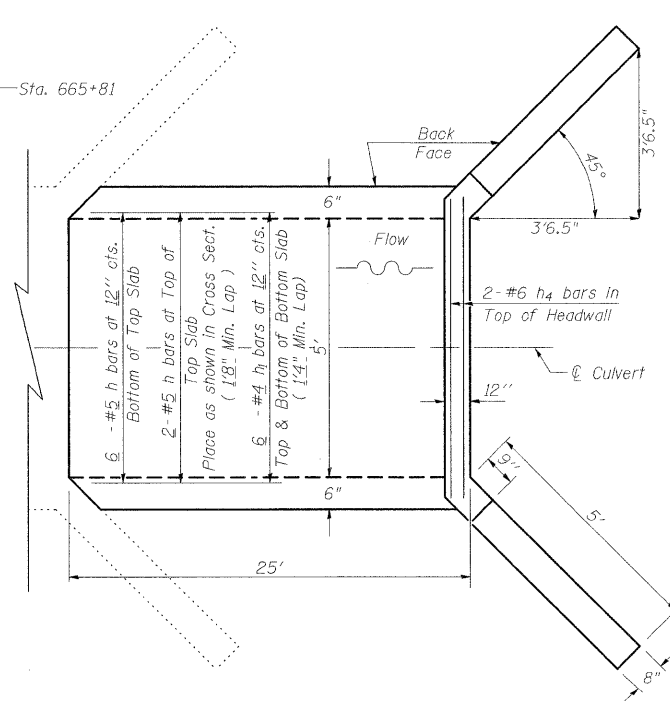
Bar s_1
(Upstream)



SECTION THRU HEADWALL
(Up Stream End Only)



PLAN



NOTES

Reinforcement Bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.

Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

All construction joints shall be bonded.

Expansion bolts shall be 3/4 inch diameter x 12 inch hooked bolts. Hooked bolts shall extend a minimum of 9 inches into new concrete and have a minimum certified proof load of 4,080 lbs.

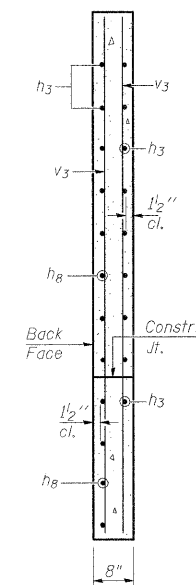
DESIGN STRESSES

$f_y = 60,000$ psi
 $f'_c = 3,500$ psi

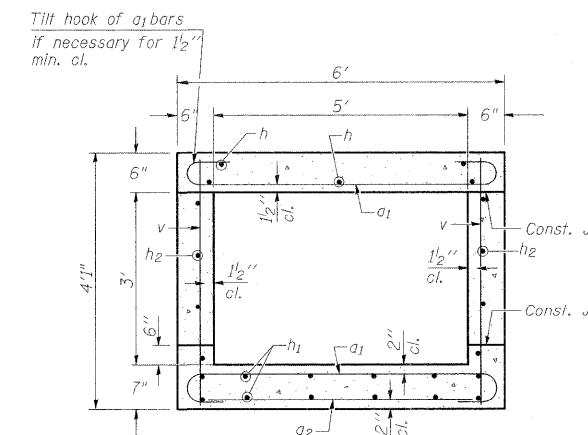
LOADING HS 20-44 & ALT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a_1	82	#5	6'-10"	
a_2	0	#4		
d	6	#4	4'-6"	
h_1	8	#5	24'-9"	
h_2	12	#4	24'-9"	
h_3	6	#5	24'-9"	
h_4	12	#4	8'-0"	
h_5	4	#6	5'-9"	
h_6	4	#5	5'-9"	
h_8	12	#4	8'-0"	
s	0	#4		
s_1	0	#4		
v	70	#4	3'-9"	
v_3	8	#4	6'-9"	
				Concrete Box Culverts Cu. Yd. 11
				Reinforcement Bars Pound 1580
				3/4" Expansion bolts Each 10



SECTION A-A



SECTION THRU BARREL

REVISIONS

DRAWN	2-04
REVISED	5-09 SHT CELL
REVISED	
REVISED	

BASED ON: **SSB-H-0** 6-1-2000

FILE NAME =	USER NAME = shepardgd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT EXTENSION STATION 665+81 RT 5' X 3', SKEW 0° EXTEND 25'-0"	F.A.P. RTE. 331	SECTION (1-2)N-2,R;(1X-1)N-3,R-2	COUNTY WILLIAMSON	TOTAL SHEETS 202	SHEET NO. 100		
ct:\pw_work\p\rdot\shepardgd\dna47330\F	dstm13-sh-culvert.dgn	DRAWN -	REVISED -			SCALE: _____	SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT			
		CHECKED -	REVISED -						CONTRACT NO. 98857			
		DATE -	REVISED -									