

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES, COMMITMENTS, MIXTURE REQUIREMENTS
- 3-5 SUMMARY OF QUANTITIES
- 6-7 TYPICAL SECTIONS - BOWMAN AVE.
- 8-16 SCHEDULE OF QUANTITIES
- 17 GEOMETRIC CONTROL
- 18 SURVEY TIES
- 19-20 REMOVAL PLANS
- 21-28 BOWMAN AVENUE - PLAN AND PROFILE
- 29-30 BOWMAN AVENUE - TEMPORARY EROSION CONTROL
- 31 PROPOSED TRAFFIC CONTROL AND STAGING
- 32 DETOUR - WIDE LOAD SIGN DETAIL
- 33 ENTRANCE DETAILS
- 34 MISCELLANEOUS DETAILS
- 35 DRAINAGE DETAILS
- 36-37 BOX CULVERT DETAILS
- 38-64 BOWMAN AVENUE - CROSS SECTIONS

**LIST OF STANDARDS**

SEE GENERAL NOTES SHEET

**PROPOSED** 04-25-14 LETTING ITEM 180 CONTRACT #91494

**HIGHWAY PLANS**

**F.A.U. ROUTE 7045 (BOWMAN AVE.)**

**CITY OF DANVILLE**

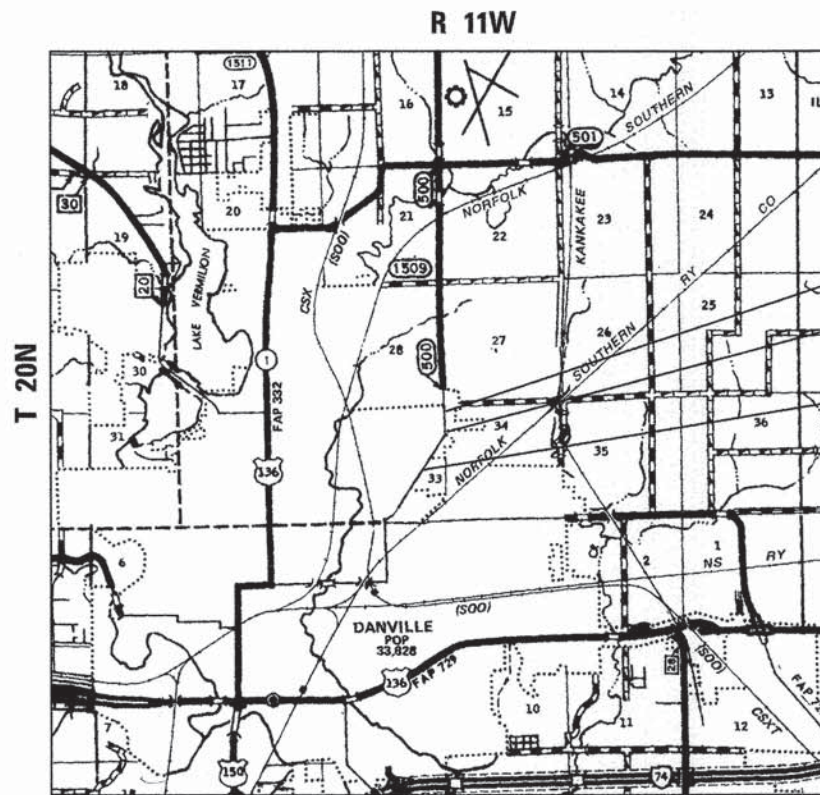
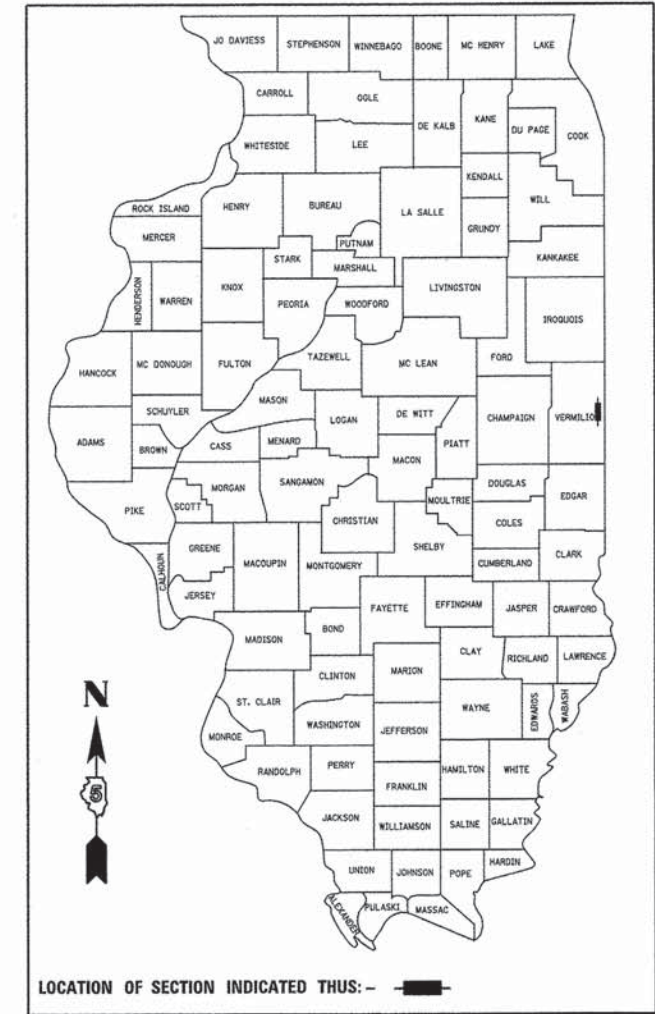
**VERMILION COUNTY, ILLINOIS**

**SECTION #09-00334-02-PV**

**PROJECT # M-5016(042)**

**CONTRACT # 91494**

**JOB # C-95-330-13**



END IMPROVEMENTS BOWMAN AVE.  
STA 58+50.00 (99-00334-02-PV)

STATION EQUATION  
STA. 33+29.29 BK=  
STA. 33+29.25 AH

BEGIN IMPROVEMENTS BOWMAN AVE.  
STA 16+40.00 (99-00334-02-PV)

**AREA LOCATION PLAN**

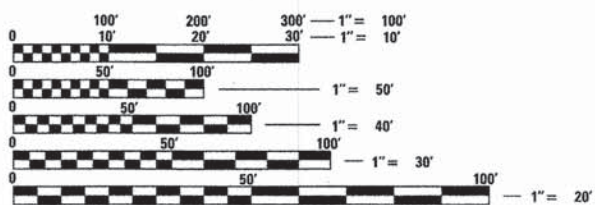


**J.U.L.I.E.**  
**JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION**  
1-800-892-0123  
OR 811



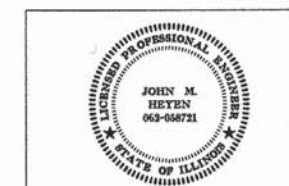
**UTILITY NOTE**

THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



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.

**DESIGN DESIGNATION:**  
**BOWMAN ADT = 8000**  
**FUNCTIONAL CLASSIFICATION = MINOR ARTERIAL**  
**DESIGN SPEED = 35 mph**  
**GROSS LENGTH OF PROJECT = 4210 ft. (0.80 mi.)**  
**NET LENGTH OF PROJECT = 4210 ft. (0.80 mi.)**



SIGNATURE: *[Signature]*  
 DATE SIGNED: 2-18-14  
 LIC. EXP. DATE: 11-30-15

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED *January 20 14*  
*R. David Schulte*  
CITY OF DANVILLE

PASSED *0227 20 14*  
*Scott A. Laska (RAG)*  
DISTRICT 5 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW

*0227 20 14*  
*Joseph E. Brown (RAG)*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

PROJECT MANAGER - JIM MOLL (217)788-2450  
 PROJECT ENGINEER - MATT HEYEN (217)788-2450



GENERAL NOTES

- 1 ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- 2 ACCESS TO ALL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES, EXCEPT DURING REMOVAL OR PLACEMENT OPERATIONS.
- 3 THESE PLANS HAVE BEEN PREPARED USING STANDARD SYMBOLS AS INDICATED IN THESE PLANS, AND THEY SHALL TAKE PRECEDENCE OVER THOSE SHOWN ON STANDARD 00001 IF THERE IS A CONFLICT.
- 4 ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- 5 FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF EIGHT SAND BAGS PER BARRICADE.
- 6 THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR BITUMINOUS SURFACE BEFORE TRAFFIC IS ALLOWED ON THE PAVEMENT.
- 7 SAW CUTS WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST FOR THE ITEM BEING REMOVED, IF NECESSARY, IN ORDER TO CREATE A CLEAN JOINT FOR THE CONSTRUCTION OF THE PROPOSED ITEMS.
- 8 ELEVATION DATA IS BASED ON NATIONAL GEODETIC VERTICAL DATUM 1988 (NGVD88).
- 9 EXCAVATION IN GRAVEL, RIP RAP OR OIL AND CHIP ROADWAYS IS TO BE PAID AS EARTH EXCAVATION.
- 10 BEFORE ORDERING PIPE CULVERTS, PIPE DRAINS, END SECTIONS, MANHOLES OR INLETS THE CONTRACTOR SHALL VERIFY LENGTHS AND QUANTITIES REQUIRED.
- 11 ALL DRAINAGE STRUCTURES SHALL BE FREE OF SILT, DEBRIS, OR OTHER SUCH OBSTRUCTIONS AT THE TIME OF FINAL INSPECTION. THE CLEANING OF THESE DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS INVOLVED.
- 12 GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POST, 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 AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 13 AT LOCATIONS WHERE END SECTIONS ARE SPECIFIED, CAST-IN-PLACE CONCRETE HEADWALL WILL NOT BE ALLOWED.
- 14 ALL THE ENTRANCE CULVERT LENGTHS SHOWN IN THE PLANS WERE CALCULATED WITH THE ASSUMPTION THAT METAL PIPES AND METAL END SECTION WOULD BE USED.
- 15 CULVERT EXTENSIONS AS SHOWN IN THE PLANS SHALL BE EXTENDED AT THE SAME SLOPE AS THE EXISTING CULVERT.
- 16 FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:  
  
HOT-MIX APHALT - 112 LBS/SQ YD-IN  
SUB-BASE GRANULAR MATERIAL & AGGREGATE BASE - 2.05 TONS/CU YD  
ALL OTHER AGGREGATE - 1.89 TONS/CU YD  
BITUMINOUS MATERIALS (PRIME COAT):  
ON PAVEMENT - 0.1 GAL/ SQ YD  
ON AGGREGATE SURFACE - 0.5 GAL/ SQ YD  
RIPRAP - 1.5 TONS/CU YD  
SEEDING FERTILIZER RATIO (NIT:PHOS:POT) - 90:90:90 LBS/AC  
AGRICULTURAL GROUND LIMESTONE - 2.00 TONS/AC  
MULCH - 2.00 TONS/AC  
EARTHWORK SHRINKAGE = 20%  
DITCH CHECKS = 10' EACH
- 17 ESTIMATED QUANTITIES WERE INCLUDED IN THE PLANS FOR CLASS D PATCHES AND STRIP REFLECTIVE CRACK CONTROL. THE ENGINEER SHALL DETERMINE IN THE FIELD THE ACTUAL LOCATIONS AND QUANTITIES FOR CLASS D PATCHES AND STRIP REFLECTIVE CRACK CONTROL.
- 18 MULCH METHOD 2 SHALL BE COMPLETED USING PROCEDURE 2.
- 19 ALL DISTURBED AREAS OUTSIDE THE CONTRACT SHALL BE RESTORED WITH CLASS 1 OR 7 SEEDING AT NO ADDITIONAL COST TO THE CONTRACT.
- 20 CONTRACTOR SHALL PROVIDE DRAINAGE BETWEEN THE TIME OF CURB PLACEMENT AND HMA BEING PLACED.

UTILITY NOTES

- 1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

UTILITY CONTACT INFORMATION

AT&T ATTN: TROY LAPEZ 65 W. WEBSTER ST. FLOOR 1 JOLIET, IL 60432 (217) 398-7980	COMCAST ATTN: TED WYMAN 208 S LASALLE ST. CHICAGO, IL 60604 (630) 600-6343	DANVILLE SANITARY SEWER ATTN: ROGER FITTING P.O. BOX 724 1616 GRAPE CREEK ROAD DANVILLE, IL 61834 (217) 442-3193
AMEREN IP ATTN: MR. STEVE ESTES 1112 ANTHONY DR. P.O. BOX 17070 URBANA, IL 61803 (217) 383-7304	MCLEOD USA ATTN: ANDREW EASTMAN 1 MARTHAS WAY HIAWATHA, IOWA 52233 (319)790-6195	VERIZON NORTH, INC. ATTN: MS. MARY RUTH WILLIS 110 EAST MONROE P.O. BOX 2675 BLOOMINGTON, IL 61702 (309) 827-1617
AMEREN CIPS ATTN: WILL PEABODY 370 S. MAIN ST, D-50 DECATUR, IL 62523 (217) 424-6494	AQUA ILLINOIS INC ATTN: JONATHAN KEIM 1300 W. FAIRCHILD STREET DANVILLE, IL 61832 (217) 442-3063 EXT 58129	EASTERN ILLINI ELECTRIC COOP ATTN: BILL HOFFSCHNEIDER 330 W. OTTAWA ST. PAXTON, IL 60957 (217) 379-2131

- 2 ANY DAMAGE TO THE UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTORS EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. UTILITY ADJUSTMENTS SHALL BE MADE BY THE UTILITY COMPANIES UNLESS NOTED OTHERWISE.
- 3 THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL OBTAIN EXACT UTILITY LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION. THE FOLLOWING STANDARD UTILITY DEPTHS WERE USED IF INFORMATION WAS UNAVAILABLE:  
TELEPHONE / FIBER OPTIC - 2 FEET  
GAS - 2.5 FEET  
CABLE TV - 1.5 FEET  
ELECTRIC - 3 FEET  
SANITARY SEWER - 2.5 FEET  
WATER - 4 FEET
- 4 ALL ELECTRIC LINES WILL REMAIN ENERGIZED DURING CONSTRUCTION UNLESS OTHERWISE COORDINATED WITH THE UTILITY COMPANY.

MINIMUM MIXTURE REQUIREMENTS

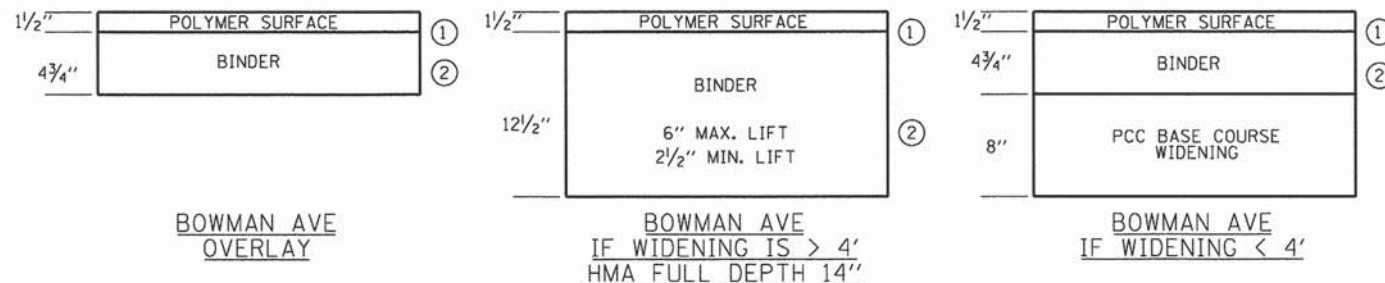
MIXTURE NUMBER:	NO. 1	NO. 2
LOCATION	BOWMAN AVE.	BOWMAN AVE.
MIXTURE USE (S):	SURFACE	BINDER BOTTOM 2 1/2" HMA SIDEWALK & CLASS D
AC/PG:	SBS PG 70-22	PG 64-22
RAP (%) MAX:	10%	15%
DESIGN AIR VOIDS	4.0% @ N DESIGN = 70	4.0% @ N DESIGN = 70
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIX "D"	NA

MINIMUM MIXTURE REQUIREMENT NOTES

1. IF AN ANTI-STRIPPING ADDITIVE IS REQUIRED FOR ANY HMA, THE COST OF THE ADDITIVE WILL NOT BE PAID FOR SEPARATELY AS DESCRIBED IN ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS. IF THE CONTRACTOR ANTICIPATES THAT AN ADDITIVE WILL BE NEEDED, THE COST SHOULD BE INCLUDED IN THE UNIT BID PRICE FOR HMA OF THE SPECIFIED TYPE.
2. THE MIXTURE REQUIREMENTS SET FOR IN THE TABLE ABOVE ARE MINIMUM MIXTURE REQUIREMENTS. THE CONTRACTOR MAY SUBSTITUTE HIGHER FRICTION AGGREGATE HMA MIXTURES FOR A LOWER FRICTION AGGREGATE HMA MIXTURE AT THE CONTRACT UNIT PRICE FOR THE LOWER FRICTION AGGREGATE HMA MIXTURE. THE CONTRACTOR MAY SUBSTITUTE HIGHER DESIGN AIR VOIDS HMA MIXTURES FOR A LOWER DESIGN AIR VOIDS HMA MIXTURE AT THE CONTRACT UNIT PRICE OF THE LOWER DESIGN AIR VOIDS HMA MIXTURE. THE CONTRACTOR MAY SUBSTITUTE POLYMER HMA MIXTURES FOR A NON-POLYMER HMA MIXTURE AT THE CONTRACT UNIT PRICE OF THE NON-POLYMER HMA MIXTURE.

NOTES

1. IN WIDENING SECTIONS GREATER THAN 4', THE CONTRACTOR MAY SUBSTITUE HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 14" WITH PCC BASE COURSE WIDENING 14" AT NO ADDITIONAL COST.



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

COMMITMENTS

1 NONE.

LIST OF STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREA OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUTS
420001-07	PAVEMENT JOINTS
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C & D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-01	METAL END SECTIONS FOR PIPE CULVERTS
542406-01	METAL END SECTIONS FOR PIPE ARCHES
542606-02	REINFORCED CONCRETE PIPE TEE
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602301-04	INLET - TYPE A
602306-03	INLET - TYPE B
602401-03	MANHOLE - TYPE A
602406-06	MANHOLE TYPE A 6" DIAMETER
602601-03	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604006-04	FRAME AND GRADE TYPE 3
604011-04	FRAME AND GRADE TYPE 3V
604036-02	GRATE TYPE 8
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
664001-02	CHAIN LINK FENCE
665001-02	WOVEN WIRE FENCE
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 4.5M (15') AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 4.5M (15') TO 600MM (24") FROM EDGE OF PAVEMENT
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-03	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS ON RURAL LOCAL HIGHWAYS
836001-02	LIGHT POLE FOUNDATION

c-002_gen.dgn	USER NAME = oster-00585	DESIGNED - m. heyen	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.U. RTE. 7045	SECTION 09-00334-02-PV	COUNTY VERMILION	TOTAL SHEETS 64	SHEET NO. 2
	PLOT SCALE = 100.0000' / 1" =	CHECKED - m. heyen	REVISED -			SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT	CONTRACT NO. 91494
	PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -							

## SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	ROADWAY
			BOWMAN AVENUE SECTION 0004
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	58
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	48
20200100	EARTH EXCAVATION	CU YD	4115
20800150	TRENCH BACKFILL	CU YD	451
Δ 25000210	SEEDING, CLASS 2A	ACRE	2.00
Δ 25000350	SEEDING, CLASS 7	ACRE	2.00
Δ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	180
Δ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	180
Δ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	180
Δ 25000700	AGRICULTURAL GROUND LIMESTONE	TON	4.0
Δ 25100115	MULCH, METHOD 2	ACRE	2.00
Δ 25100630	EROSION CONTROL BLANKET	SQ YD	748
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200
28000305	TEMPORARY DITCH CHECKS	FOOT	250
28000400	PERIMETER EROSION BARRIER	FOOT	4394
28000500	INLET AND PIPE PROTECTION	EACH	3
28000510	INLET FILTERS	EACH	22
28100105	STONE RIPRAP, CLASS A3	SQ YD	115
28100107	STONE RIPRAP, CLASS A4	SQ YD	47
28200200	FILTER FABRIC	SQ YD	162
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	14233
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	156
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	192
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2943

## SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	ROADWAY
			BOWMAN AVENUE SECTION 0004
40600990	TEMPORARY RAMPS	SQ YD	274
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2548
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	862
40701961	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"	SQ YD	1530
42000564	PORTLAND CEMENT CONCRETE PAVEMENT 14" (JOINTED)	SQ YD	277
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	1551
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	35076
42400800	DETECTABLE WARNINGS	SQ FT	232
44000100	PAVEMENT REMOVAL	SQ YD	203
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	777
44000173	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	SQ YD	9403
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2074
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1022
44004250	PAVED SHOULDER REMOVAL	SQ YD	1051
44201023	CLASS B PATCHES, TYPE III, 14 INCH	SQ YD	16
44201811	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	150
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	150
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	169
* 44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3508
50105220	PIPE CULVERT REMOVAL	FOOT	580
50800105	REINFORCEMENT BARS	POUND	1630
54002020	EXPANSION BOLTS 3/4 INCH	EACH	10
54003000	CONCRETE BOX CULVERTS	CU YD	9.6
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1

\* "SEE SPECIAL PROVISIONS, HIGHWAY STANDARDS, GENERAL NOTES, AND/OR DETAILS IN PLANS"

Δ SPECIALTY ITEMS



## SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	ROADWAY
			BOWMAN AVENUE SECTION 0004
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1
54214290	END SECTIONS, EQUIVALENT ROUND-SIZE 15"	EACH	6
54215547	METAL END SECTIONS 12"	EACH	1
54215550	METAL END SECTIONS 15"	EACH	2
54216180	REINFORCED CONCRETE PIPE TEE, 12" PIPE WITH 12" RISER	EACH	1
54216185	REINFORCED CONCRETE PIPE TEE, 15" PIPE WITH 12" RISER	EACH	1
54216190	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 12" RISER	EACH	2
54248510	CONCRETE COLLAR	CU YD	1.1
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	22
542D0220	PIPE CULVERTS, CLASS D, TYPE 1, 15 INCH	FOOT	41
542D5470	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	162
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	527
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	324
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	433
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	463
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	68
550A2400	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 36"	FOOT	15
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	3
60107600	PIPE UNDERDRAINS 4"	FOOT	4663
60107700	PIPE UNDERDRAINS 6"	FOOT	2810
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	120
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	68
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	9

## SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	ROADWAY
			BOWMAN AVENUE SECTION 0004
60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	1
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	2
60255500	MANHOLES TO BE ADJUSTED	EACH	8
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	13
60500040	REMOVING MANHOLES	EACH	2
60500060	REMOVING INLETS	EACH	4
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2978
60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)	FOOT	4686
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	28
△ 66400105	CHAIN LINK FENCE, 4'	FOOT	119
△ 66500105	WOVEN WIRE FENCE, 4'	FOOT	481
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	8469
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	16937
72000100	SIGN PANEL - TYPE 1	SQ FT	36
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	6
72900100	METAL POST - TYPE A	FOOT	84
72900200	METAL POST - TYPE B	FOOT	27
△ 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	132
△ 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	8469
△ 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	44

\* "SEE SPECIAL PROVISIONS, HIGHWAY STANDARDS, GENERAL NOTES, AND/OR DETAILS IN PLANS"

△ SPECIALTY ITEMS



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## SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	ROADWAY
			BOWMAN AVENUE SECTION 0004
Δ 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	921
Δ 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	60
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	84
Δ A2006517	TREE, QUERCUS ACUTISSIMA (SAWTOOTH OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	4
Δ A2006814	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	9
Δ B2000121	TREE, ACER TATARICUM (TATARIAN MAPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	13
Δ B2001394	TREE, CORNUS FLORIDA 'CHEROKEE', PRINCESS', (WHITE FLOWERING DOGWOOD), 1-3/4 CALIPER, BALLED AND BURLAPPED	EACH	2
Δ B20018G5	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), CONTAINER GROWN, 5-GALLON	EACH	12
Δ C2C12324	SHRUB, VIBURNUM LANTANA MOHICAN (MOHICAN WAYFARINGTREE VIBURNUM), 2" HEIGHT, CONTAINER	EACH	8
Δ K0012980	PERENNIAL PLANTS, ORNAMENTAL TYPE, QUART POT	UNIT	219.62
Δ K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	3.65
* X0322024	TRENCH DRAIN	EACH	1
* X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ YD	151
* X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	1017
* X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	327
* X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	21
Δ * X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
* X6660410	REMOVE RIGHT-OF-WAY MARKERS	EACH	2
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
Δ * X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	8469
Δ * X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	275
Δ * X8440120	REMOVE AND RE-ERECT EXISTING LIGHTING UNIT	EACH	2
* XX004210	DUCTILE IRON PIPE STORM SEWERS, 12"	FOOT	922
* XX000856	MAILBOX REMOVAL AND RELOCATION	EACH	10
Δ * XX007021	PEDESTRIAN ACTIVATED CROSSWALK WARNING SYSTEM	EACH	1

\* "SEE SPECIAL PROVISIONS, HIGHWAY STANDARDS, GENERAL NOTES, AND/OR DETAILS IN PLANS"

Δ SPECIALTY ITEMS

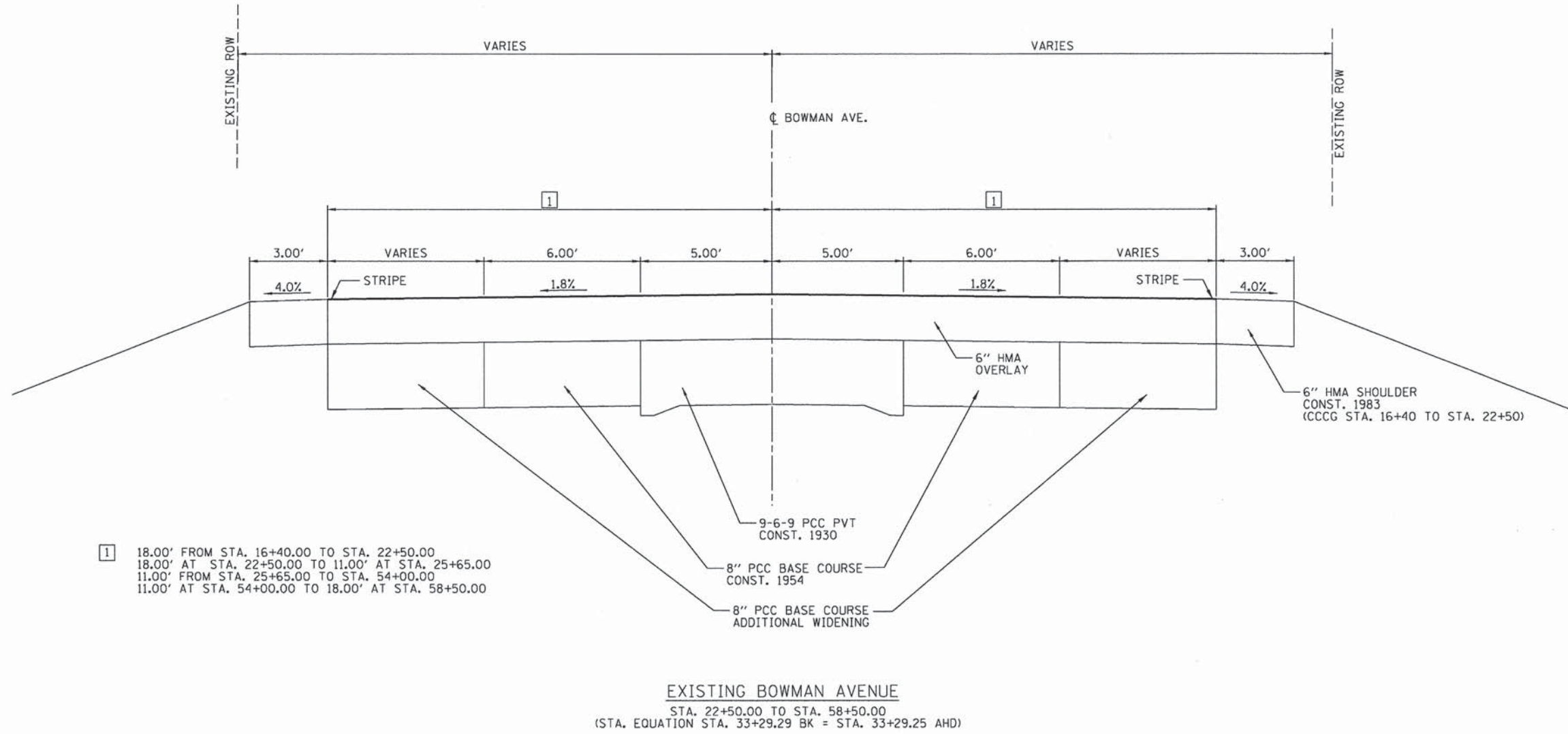
+ 0042

## SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	ROADWAY
			BOWMAN AVENUE SECTION 0004
* XX007747	PARK BENCH REMOVAL AND RELOCATION	EACH	1
Δ * XX007519	WARNING SIREN TO BE RELOCATED	L SUM	1
* Z0022800	FENCE REMOVAL	FOOT	722
* Z0038114	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1/4"	SQ YD	9403
Δ * Z0056900	SANITARY SEWER 8"	FOOT	5
+ * Z0076600	TRAINEES	Hour	500
+ * Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	500



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1 18.00' FROM STA. 16+40.00 TO STA. 22+50.00  
 18.00' AT STA. 22+50.00 TO 11.00' AT STA. 25+65.00  
 11.00' FROM STA. 25+65.00 TO STA. 54+00.00  
 11.00' AT STA. 54+00.00 TO 18.00' AT STA. 58+50.00

EXISTING BOWMAN AVENUE  
 STA. 22+50.00 TO STA. 58+50.00  
 (STA. EQUATION STA. 33+29.29 BK = STA. 33+29.25 AHD)

C-501.tsp.dgn	USER NAME = oster-00605	DESIGNED - m. hoyen	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TYPICAL SECTION - BOWMAN AVENUE</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10,0000' / in.	CHECKED - m. hoyen	REVISED -					7045	09-00334-02-PV	VERMILION	64	6
	PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -		SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 91494		



RELOCATION SCHEDULE											
EXISTING LOCATION		PROPOSED LOCATION		72400500	XX000856	XX007747	XX007519	X8440120	NOTES		
STATION	OFFSET	STATION	OFFSET	EACH	EACH	EACH	L SUM	EACH			
<b>BOWMAN SOUTH</b>											
23+76.04	23.84'	LT	38+00.00	21.00'	LT	1			24X36 SIGN (R3-9B)		
24+32.95	19.34'	RT	39+00.00	19.00'	RT	1			36X36 SIGN (W6-3)		
25+23.41	23.98'	LT	25+22.00	26.00'	LT						
25+98.97	15.84'	RT	25+92.00	29.00'	RT			1			
26+02.48	15.42'	RT	25+95.00	29.00'	RT			1			
26+74.97	25.64'	LT	26+80.00	26.00'	LT			1			
27+77.16	24.46'	LT	28+07.00	26.00'	LT			1			
31+00.37	25.51	RT	31+03.00	27.00'	RT			1			
31+03.03	25.51	RT	31+05.00	27.00'	RT			1			
32+98.89	23.90	RT	33+09.00	29.00'	RT			1			
34+87.24	21.14	RT	34+97.00	27.00'	RT			1			
36+32.00	38.00'	LT	36+32.00	38.00'	LT	1			STREET SIGN (BOWMAN/HOLIDAY)		
36+58.76	28.38	RT	36+58.76	28.38	RT			1			
36+87.00	28.00'	LT	36+87.00	21.00'	LT	1			SIGN (DMT BUS STOP)		
41+87.75	30.39	LT	41+87.00	48.00'	LT			1	ENTRANCE LIGHT AT CHURCH		
41+88.18	33.48'	LT	41+82.91	41.00'	LT	1			24X24 SIGN (STOP)		
42+26.77	31.15	LT	42+25.00	48.00'	LT			1	ENTRANCE LIGHT AT CHURCH		
42+52.00	18.00'	LT	42+52.00	15.00'	LT	1			SIGN (DMT BUS STOP)		
48+39.27	42.04	LT	48+40.00	39.00'	LT			1	WEATHER SIREN		
50+59.53	17.90	LT	50+70.00	29.00'	LT						
				<b>TOTAL</b>		6		10	1	1	2

EROSION CONTROL SCHEDULE								
LOCATION		LOCATION		25100630	28000305	28000400	28000500	
STATION	OFFSET	STATION	OFFSET	SQ YD	FOOT	FOOT	EACH	
<b>BOWMAN SOUTH</b>								
16+36.43	LT	18+46.15	LT	76		213		
18+66.39	LT	19+56.58	LT	43		91		
20+20.42	31.00' LT						1	
20+52.83	LT	21+45.89	LT	59		93		
21+63.89	LT	22+50.00	LT	27		86		
22+50.00	LT	22+57.58	LT			8		
22+50.00	RT	25+68.75	RT			323		
22+74.58	LT	23+34.95	LT			60		
23+50.95	LT	24+29.78	LT			79		
24+19.94	RT	25+32.03	RT	75				
24+20.00	RT				10			
24+43.78	LT	25+02.00	LT			58		
24+69.95	RT				10			
25+17.00	LT	26+01.39	LT			85		
25+19.93	RT				10			
25+79.79	RT	26+65.33	RT			95		
26+21.00	26.00' RT						1	
26+51.03	RT	30+57.87	RT	272				
26+70.93	RT				10			
27+20.93	RT				10			
27+28.50	LT				10			
27+71.12	RT				10			
28+20.94	RT				10			
28+43.50	LT				10			
28+71.10	RT				10			
28+93.65	LT				10			
29+20.76	RT				10			
29+43.90	LT				10			
29+70.68	RT				10			
30+00.00	RT	30+16.62	RT			17		
30+20.01	LT				10			
30+34.05	RT	30+86.68	RT			53		
30+38.00	25.00' RT						1	
30+98.74	RT	31+14.89	RT			16		
31+31.99	RT	32+10.18	RT			78		
32+00.57	LT	35+52.15	LT			353		
32+27.02	RT	39+17.11	RT			90		
33+29.25	RT	37+17.94	RT			412		
36+30.30	LT	39+70.93	LT			344		
39+00.00	RT	44+74.19	RT			581		
40+22.00	LT				10			
40+71.46	LT				10			
41+22.00	LT				10			
41+72.00	LT				10			
48+04.42	RT	52+13.90	RT			417		
48+65.50	LT	50+28.63	LT			160		
48+72.60	LT	50+19.84	LT	153				
51+24.50	LT				10			
52+73.49	RT	57+64.07	RT			499		
52+77.31	LT				10			
54+30.13	LT				10			
54+83.95	RT	55+47.70	RT	43				
55+82.97	LT				10			
57+21.26	LT	58+50.02	LT			129		
57+32.76	LT				10			
57+95.13	RT	58+50.00	RT			55		
58+50.00	LT				10			
				<b>TOTAL</b>	748	250	4394	3

REMOVAL SCHEDULE										
LOCATION		LOCATION		20100110	20100210	44000500	Z0022800	X6660410	NOTES	
STATION	OFFSET	STATION	OFFSET	UNIT	UNIT	FOOT	FOOT	EACH		
<b>BOWMAN SOUTH</b>										
18+32.36	LT	18+80.74	LT			48				
19+42.55	LT	20+67.95	LT			125				
21+31.89	LT	21+81.05	LT			49				
22+07.67	RT	25+47.50	RT				345		WOVEN WIRE	
22+50.00	LT	22+52.63	LT			3				
22+50.00	RT	22+90.00	RT			40				
27+66.75	RT	29+50.25	RT				186		WOVEN WIRE	
28+09.80	36.57' LT			10						
31+40.91	RT	32+09.35	RT				71		WOVEN WIRE	
33+48.01	37.12' RT							1		
33+79.28	LT	33+79.28	LT			25				
34+13.88	LT	34+20.24	LT			13				
34+20.24	LT	34+57.18	LT			33				
34+53.76	LT	35+65.00	LT			124				
35+30.11	RT	36+48.40	RT				120		CHAIN LINK	
36+26.34	LT	39+30.50	LT			310				
46+75.04	RT	46+95.60	RT			31				
47+75.28	RT	47+92.69	RT			28				
48+55.35	30.90' LT							1		
48+78.50	45.50' LT			6						
49+00.85	45.70' LT			6						
49+21.70	45.90' LT			6						
49+45.74	46.90' LT			6						
49+69.00	47.20' LT			6						
49+90.00	46.60' LT			6						
51+72.67	RT	52+13.91	RT			48				
52+29.36	29.44' LT			6	24					
52+29.36	29.44' LT			6	24					
52+73.44	RT	53+00.96	RT			41				
56+75.13	LT	56+92.87	LT			40				
57+21.09	LT	57+39.17	LT			41				
58+38.81	RT	58+50.00	RT			12				
58+39.64	LT	58+50.00	LT			11				
				<b>TOTAL</b>		58	48	1022	722	2





### PAVEMENT REMOVAL SCHEDULE

LOCATION				44000100	44000173	44004250	Z0038114	NOTE			
				PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	PAVED SHOULDER REMOVAL	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1/4"				
BEGIN STATION	OFFSET	END STATION	OFFSET	SQ YD	SQ YD	SQ YD	SQ YD				
BEGINNING OF PROJECT - WINTER AVENUE											
22+50.00		58+50.00			9403		9403	BOWMAN			
22+80.02		23+31.71	LT			24		BOWMAN			
22+90.83		25+52.42	RT			137		BOWMAN			
23+51.14		24+24.21	LT			28		BOWMAN			
24+47.19		24+94.39	LT			20		BOWMAN			
25+22.68		25+62.88	LT			19		BOWMAN			
33+80.63		35+30.44	LT	43				BOWMAN			
35+23.74		36+56.20	RT			86		BOWMAN			
36+61.09		39+68.83	LT	160				BOWMAN			
37+14.36		44+60.79	RT			324		BOWMAN			
45+10.90		46+73.14	RT			72		BOWMAN			
47+92.75		51+64.71	RT			155		BOWMAN			
53+00.79		57+56.87	RT			157		BOWMAN			
58+00.31		58+38.79	RT			29		BOWMAN			
TOTAL				203	9403	1051	9403				

### SEEDING SCHEDULE

LOCATION			25000210	25000350	25000400	25000500	25000600	25000700	25100115	28000250
			SEEDING, CLASS 2A	SEEDING, CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING
BEGIN STATION	END STATION	OFFSET	ACRES	ACRES	POUNDS	POUNDS	POUNDS	TONS	ACRES	POUND
16+40.00	35+26.77		2.00	2.00	180	180	180	4.0	2.00	200
TOTAL			2.00	2.00	180	180	180	4.0	2.00	200

### ENTRANCE AND SIDEROAD SCHEDULES

							40201000	42300400	44000155	44000200	60619600	X4401198	X4020700	
							AGGREGATE FOR TEMPORARY ACCESS	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	DRIVEWAY PAVEMENT REMOVAL	CONCRETE MEDIAN, TYPE SB-6.12	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	AGGREGATE SURFACE COURSE, TYPE B 8 INCH	
ROADWAY	STATION	LT/RT	ANGLE	F.E./P.E./C.E.	WIDTH/MATERIAL	FLARED/RADIUS	TON	SQ YD	SQ YD	SQ YD	SQ FT	SQ YD	SQ YD	
BOWMAN AVE.	18+56.24	LT	90°	P.E.	20' CONCRETE	FLARED	6.4	39		27				
BOWMAN AVE.	19+66.25	LT	90°	P.E.	19' CONCRETE	FLARED	6.4	43		33				
BOWMAN AVE.	19+99.45	LT	90°	P.E.	14' CONCRETE	FLARED	6.4	34		20				
BOWMAN AVE.	20+45.91	LT	90°	P.E.	16' CONCRETE	FLARED	6.4	38		24				
BOWMAN AVE.	21+54.89	LT	90°	P.E.	18' CONCRETE	FLARED	6.4	52		48				
BOWMAN AVE.	22+66.08	LT	90°	P.E.	17' CONCRETE	FLARED	6.4	37		43				
BOWMAN AVE.	23+42.95	LT	90°	P.E.	16' CONCRETE	FLARED	6.4	35		49				
BOWMAN AVE.	24+36.78	LT	90°	P.E.	14' CONCRETE	FLARED	6.4	31		42				
BOWMAN AVE.	25+09.50	LT	90°	P.E.	15' CONCRETE	FLARED	6.4	44		46				
BOWMAN AVE.	25+60.69	RT	75° 29' 26"	P.E.	16' AGGREGATE	FLARED	6.4	32		77		36		
BOWMAN AVE.	26+65.33	LT	90°	P.E.	12' CONCRETE	FLARED	6.4	42		40				
BOWMAN AVE.	27+55.50	LT	90°	P.E.	12' CONCRETE	FLARED	6.4	35		35				
BOWMAN AVE.	27+87.67	LT	90°	P.E.	14' CONCRETE	FLARED	6.4	42		41				
BOWMAN AVE.	28+26.78	LT	90°	P.E.	14' CONCRETE	FLARED	6.4	42		39				
BOWMAN AVE.	29+72.08	LT	90°	P.E.	15' CONCRETE	FLARED	6.4	41		50				
BOWMAN AVE.	30+04.62	RT	120° 37' 21"	P.E.	15' AGGREGATE	FLARED	6.4	20		76		16		
BOWMAN AVE.	30+57.29	LT	90°	P.E.	15' CONCRETE	FLARED	6.4	38		52				
BOWMAN AVE.	30+96.77	RT	83° 22' 46"	P.E.	12' AGGREGATE	FLARED	6.4	18		56		11		
BOWMAN AVE.	30+98.93	RT	125° 00' 19"	P.E.	14' AGGREGATE	FLARED	6.4	20		76		16		
BOWMAN AVE.	31+95.20	RT	123° 45' 50"	P.E.	14' AGGREGATE	FLARED	6.4	20		61		16		
BOWMAN AVE.	33+24.92	RT	87° 04' 41"	P.E.	12' AGGREGATE	FLARED	6.4	24		53		11		
BOWMAN AVE.	34+98.28	RT	110° 09' 14"	P.E.	13' AGGREGATE	FLARED	6.4	24		64		13		
BOWMAN AVE.	35+94.32	LT	90°		HOLIDAY DRIVE				168		28	100		
BOWMAN AVE.	36+71.92	RT	125° 07' 53"	C.E.	35' CONCRETE	FLARED	6.4	82	40	130				
BOWMAN AVE.	40+01.66	LT	66° 13' 37"	C.E.	24' AGGREGATE	FLARED	6.4	51		121		32		
BOWMAN AVE.	42+10.33	LT	83° 18' 51"	C.E.	32' CONCRETE	FLARED	6.4	136	75	161				
BOWMAN AVE.	44+75.45	RT	118° 38' 27"	C.E.	32' CONCRETE	FLARED	6.4	73		106				
BOWMAN AVE.	46+79.03	RT	125° 04' 27"	C.E.	28' HMA	40' W/ B6.18 C&G								
BOWMAN AVE.	47+41.61	RT	106° 16' 45"	C.E.	34' HMA	45' W/ B6.18 C&G		265	43			126		
BOWMAN AVE.	50+98.15	LT	90°	C.E.	24' CONCRETE	FLARED	6.4	176		116				
BOWMAN AVE.	52+22.27	RT	100° 27' 28"	C.E.	24' HMA	75' W/ B6.18 C&G								
BOWMAN AVE.	52+52.04	RT	97° 46' 44"	C.E.	25' HMA	45' W/ B6.18 C&G		229	74			101		
BOWMAN AVE.	55+13.99	LT	90°	C.E.	24' CONCRETE	30' W/ B6.18 C&G	6.4	122		139				
BOWMAN AVE.	57+06.06	LT	91° 14' 34"	C.E.	24' CONCRETE	25' W/ B6.18 C&G	6.4	100		80				
BOWMAN AVE.	57+79.39	RT	90°	C.E.	24' CONCRETE	FLARED	6.4	50		52				
TOTAL							192	1551	777	2074	28	327	151	

### EARTHWORK SCHEDULE

LOCATION		20200100	B	C	D
		A	EXCAVATION TO BE USED IN EMBANKMENT, ADJUSTED FOR SHRINKAGE (20%)	EMBANKMENT	EARTHWORK BALANCE EXCESS (+) OR SHORTAGE (-)
BEGIN STATION	END STATION	OFFSET	CU YD	CU YD	CU YD
16+40.00	61+00.00		4115	3290	2370
TOTAL			4115	3290	2370

EQUATIONS USED  
 $B = A * 0.80$   
 $D = B - C$

C-681.SCD.QUANT.dgn

USER NAME - oster-08685	DESIGNED - m. hoyen	REVISED -
PLOT SCALE - 2.0000' / 1" =	DRAWN - dj. pop	REVISED -
PLOT DATE - 02/18/2014	CHECKED - m. hoyen	REVISED -
	DATE - 02/18/2014	REVISED -

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

### SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET NO. 2 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	9
C-95-330-13		CONTRACT NO.	91494	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**PAVEMENT SCHEDULE**

LOCATION				35101100	35400300	40600100	40603085	40603540	40701961	42000564	44201023	44201811	44201815	44201819	44300200	60605000	60605100	NOTE
				AGGREGATE BASE COURSE, TYPE A 12"	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"	PORTLAND CEMENT CONCRETE PAVEMENT 14" (JOINTED)	CLASS B PATCHES, TYPE III, 14 INCH	CLASS D PATCHES, TYPE I, 14 INCH	CLASS D PATCHES, TYPE II, 14 INCH	CLASS D PATCHES, TYPE III, 14 INCH	STRIP REFLECTIVE CRACK CONTROL TREATMENT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	COMBINATION CONCRETE CURB AND GUTTER, TYPE B- 6.24 (ABUTTING EXISTING PAVEMENT)	
				SQ YD	SQ YD	GALLON	TON	TON	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	FOOT	FOOT	
BEGIN STATION	OFFSET	END STATION	OFFSET															
<b>BEGINNING OF PROJECT - WINTER AVENUE</b>																		
16+50.00	LT										16				30			
18+32.36	LT	18+80.74	LT														48	
19+42.55	LT	20+67.95	LT														125	
21+31.89	LT	21+81.05	LT														49	
22+50.00	LT	29+14.89	LT														665	
22+50.00		58+50.00																
22+50.00		58+50.00		14233		2828	2507	792				150	150	169				
22+50.00		58+50.00													1440			BOWMAN PATCHING
22+50.00	RT	22+90.87	RT														41	BOWMAN WIDENING
22+90.87	RT	39+21.90	RT												1632			
22+90.87	RT	24+20.00	RT		28	9	8	2										
22+90.87	RT	39+16.12	RT													1625		
24+20.00	RT	37+92.78	RT															
29+14.89	LT	39+19.94	LT						1161									
29+29.87	LT	31+77.10	LT		64	19	17	5								1005		
31+77.10	LT	37+76.92	LT						369									
37+76.92	LT	39+25.00	LT		36	11	9	3										
37+92.78	RT	39+25.00	RT		28	8	7	2										
39+16.12	RT	46+95.94	RT														780	
39+19.94	LT	56+92.86	LT														1773	
47+74.84	RT	52+14.35	RT														463	
48+58.98	LT	50+30.98	LT							129								
48+59.00	LT	50+31.00	LT													172		BUS TURNOUT
48+60.00	LT	50+49.67	LT											190				BUS TURNOUT
49+36.08	RT	51+51.71	RT											216				BUS TURNOUT
49+36.20	RT	51+08.27	RT															BUS TURNOUT
49+36.20	RT	51+08.27	RT						148									BUS TURNOUT
52+72.97	RT	58+50.00	RT													176		BUS TURNOUT
57+21.34	LT	58+50.00	LT														592	
																	150	
				<b>SUBTOTAL</b>	14233	156	2875	2548	804	1530	277	16	150	150	169	3508	2978	4686
<b>HOLIDAY DR</b>																		
35+26.77	LT	36+64.69	LT			19		16										
				<b>SUBTOTAL</b>		19		16										
<b>GEORGIAN DR</b>																		
46+71.17	RT	47+99.04	RT			26		22										
				<b>SUBTOTAL</b>		26		22										
<b>GARDEN DR</b>																		
51+77.37	RT	52+97.52	RT			23		20										
				<b>SUBTOTAL</b>		23		20										
				<b>TOTAL</b>	14233	156	2943	2548	862	1530	277	16	150	150	169	3508	2978	4686

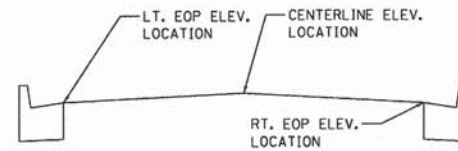


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C-681.SCD_QUANT.dgn	USER NAME = oster-02605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:8000 1/4" = 100'	DRAWN - dj. pop	REVISED -						7045	09-00334-02-PV	VERMILION	64	10
	PLOT DATE = 02/26/2014	CHECKED - m. heyen	REVISED -						C-95-330-13				CONTRACT NO. 91494
		DATE - 02/18/2014	REVISED -						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

SCALE: N.T.S. SHEET NO. 3 OF 9 SHEETS STA. TO STA.

PAVEMENT SURFACE ELEVATIONS													
STATION	LT EOP	ELEV	CENTERLINE	ELEV	RT EOP	ELEV	STATION	LT EOP	ELEV	CENTERLINE	ELEV	RT EOP	ELEV
22+50.00	-16.50	666.05	0.00	666.30	18.37	666.02	40+75.00	-11.00	688.58	0.00	688.92	11.00	688.90
22+75.00	-16.50	666.49	0.00	666.74	17.75	666.47	41+00.00	-11.00	688.81	0.00	689.14	11.00	689.23
23+00.00	-16.50	666.92	0.00	667.16	17.12	666.91	41+25.00	-11.00	689.00	0.00	689.31	11.00	689.54
23+25.00	-16.50	667.50	0.00	667.75	16.50	667.50	41+50.00	-11.00	689.29	0.00	689.64	11.00	689.80
23+50.00	-16.50	668.09	0.00	668.34	16.50	668.09	41+75.00	-11.00	689.40	0.00	689.91	11.00	690.09
23+75.00	-16.50	668.59	0.00	668.84	16.50	668.59	42+00.00	-11.00	689.65	0.00	690.16	11.00	690.44
24+00.00	-16.50	669.12	0.00	669.36	16.50	669.12	42+25.00	-11.00	690.01	0.00	690.38	11.00	690.65
24+25.00	-16.50	669.72	0.00	669.97	16.50	669.72	42+50.00	-11.00	690.14	0.00	690.56	11.00	690.78
24+50.00	-16.50	670.20	0.00	670.45	16.50	670.20	42+75.00	-11.00	690.42	0.00	690.78	11.00	691.06
24+75.00	-16.50	670.71	0.00	670.96	16.50	670.71	43+00.00	-11.00	690.79	0.00	691.06	11.00	691.32
25+00.00	-16.50	671.32	0.00	671.57	16.50	671.32	43+25.00	-11.00	690.94	0.00	691.29	11.00	691.44
25+25.00	-16.50	671.79	0.00	672.03	16.50	671.79	43+50.00	-11.00	691.13	0.00	691.49	11.00	691.72
25+50.00	-16.50	672.20	0.00	672.44	16.50	672.20	43+75.00	-11.00	691.33	0.00	691.78	11.00	691.92
25+75.00	-16.50	672.61	0.00	672.85	16.50	672.61	44+00.00	-11.00	691.60	0.00	692.00	11.00	692.21
26+00.00	-16.50	673.08	0.00	673.32	16.50	673.08	44+25.00	-11.00	691.82	0.00	692.21	11.00	692.50
26+25.00	-16.50	673.79	0.00	674.03	16.50	673.79	44+50.00	-11.00	692.03	0.00	692.43	11.00	692.61
26+50.00	-16.50	674.32	0.00	674.57	16.50	674.32	44+75.00	-11.00	692.31	0.00	692.74	11.00	692.75
26+75.00	-16.50	674.81	0.00	675.06	16.50	674.81	45+00.00	-11.00	692.56	0.00	693.05	11.00	693.15
27+00.00	-16.50	675.27	0.00	675.52	16.50	675.27	45+25.00	-11.00	692.77	0.00	693.29	11.00	693.39
27+25.00	-16.50	675.80	0.00	676.05	16.50	675.80	45+50.00	-11.00	693.17	0.00	693.53	11.00	693.87
27+50.00	-16.50	676.31	0.00	676.56	16.50	676.31	45+75.00	-11.00	693.35	0.00	693.68	11.00	694.08
27+75.00	-16.50	676.84	0.00	677.09	16.50	676.84	46+00.00	-11.00	693.63	0.00	693.88	11.00	694.32
28+00.00	-16.50	677.34	0.00	677.59	16.50	677.34	46+25.00	-11.00	693.85	0.00	694.25	11.00	694.66
28+25.00	-16.50	677.84	0.00	678.09	16.50	677.84	46+50.00	-11.00	694.09	0.00	694.43	11.00	694.95
28+50.00	-16.50	678.37	0.00	678.61	16.50	678.37	46+75.00	-11.00	694.31	0.00	694.67	11.00	694.81
28+75.00	-16.50	678.81	0.00	679.06	16.50	678.81	47+00.00	-11.00	694.56	0.00	694.92	11.00	695.10
29+00.00	-16.50	679.18	0.00	679.43	16.50	679.18	47+25.00	-11.00	694.73	0.00	695.08	11.00	695.32
29+25.00	-16.50	679.50	0.00	679.75	16.50	679.50	47+50.00	-11.00	694.87	0.00	695.26	11.00	695.47
29+50.00	-16.50	679.78	0.00	678.03	16.50	679.78	47+75.00	-11.00	695.12	0.00	695.51	11.00	695.70
29+75.00	-16.50	680.22	0.00	680.47	16.50	680.22	48+00.00	-11.00	695.32	0.00	695.79	11.00	695.96
30+00.00	-16.50	680.55	0.00	680.80	16.50	680.55	48+25.00	-11.00	695.58	0.00	695.99	11.00	696.21
30+25.00	-16.50	680.74	0.00	680.99	16.50	680.74	48+50.00	-11.00	695.83	0.00	696.11	11.00	696.29
30+50.00	-16.50	681.06	0.00	681.31	16.50	681.06	48+75.00	-11.00	695.92	0.00	696.22	11.00	696.41
30+75.00	-16.50	681.38	0.00	681.63	16.50	681.38	49+00.00	-11.00	696.12	0.00	696.37	11.00	696.63
31+00.00	-16.50	681.55	0.00	681.79	16.50	681.55	49+25.00	-11.00	696.22	0.00	696.51	11.00	696.80
31+25.00	-16.50	681.80	0.00	682.05	16.50	681.80	49+50.00	-11.00	696.42	0.00	696.63	13.23	697.01
31+50.00	-16.50	682.11	0.00	682.36	16.50	682.11	49+75.00	-11.00	696.64	0.00	696.81	17.49	697.76
31+75.00	-16.50	682.31	0.00	682.56	16.50	682.31	50+00.00	-11.00	696.65	0.00	696.88	22.05	697.31
32+00.00	-16.50	682.53	0.00	682.77	16.50	682.53	50+25.00	-11.00	696.62	0.00	696.89	23.00	697.52
32+25.00	-16.50	682.73	0.00	682.98	16.50	682.73	50+50.00	-11.00	696.62	0.00	696.89	23.00	697.50
32+50.00	-16.50	682.92	0.00	683.17	16.50	682.92	50+75.00	-11.00	696.64	0.00	696.93	18.33	697.41
32+75.00	-16.50	683.07	0.00	683.31	16.50	683.07	51+00.00	-11.00	696.76	0.00	697.01	12.77	697.29
33+00.00	-16.50	683.24	0.00	683.49	16.50	683.24	51+25.00	-11.00	696.83	0.00	697.08	11.00	697.20
33+25.00	-16.50	683.44	0.00	683.69	16.50	683.44	51+50.00	-11.00	696.61	0.00	696.96	11.00	697.18
33+50.00	-16.50	683.71	0.00	683.95	16.50	683.71	51+75.00	-11.00	696.44	0.00	696.69	11.00	696.81
33+75.00	-16.50	683.98	0.00	684.22	16.50	683.98	52+00.00	-11.00	696.40	0.00	696.62	11.00	696.78
34+00.00	-16.50	684.20	0.00	684.45	16.50	684.20	52+25.00	-11.00	696.32	0.00	696.43	11.00	696.75
34+25.00	-16.50	684.33	0.00	684.58	16.50	684.33	52+50.00	-11.00	695.93	0.00	696.28	11.00	696.45
34+50.00	-16.50	684.41	0.00	684.66	16.50	684.41	52+75.00	-11.00	695.78	0.00	696.02	11.00	696.26
34+75.00	-16.50	684.56	0.00	684.81	16.50	684.56	53+00.00	-11.00	695.72	0.00	695.91	11.00	696.25
35+00.00	-16.50	684.70	0.00	684.95	16.50	684.70	53+25.00	-11.00	695.59	0.00	695.80	11.00	696.15
35+25.00	-16.50	684.80	0.00	685.05	16.50	684.80	53+50.00	-11.00	695.46	0.00	695.67	11.00	695.94
35+50.00	-16.50	685.02	0.00	685.18	16.50	684.93	53+75.00	-11.00	695.32	0.00	695.57	11.00	695.91
35+75.00	-16.50	685.08	0.00	685.30	16.50	685.06	54+00.00	-11.00	695.35	0.00	695.54	11.00	695.80
36+00.00	-16.50	685.12	0.00	685.37	16.50	685.12	54+25.00	-11.41	695.25	0.00	695.57	11.00	695.74
36+25.00	-16.50	685.37	0.00	685.64	16.50	685.39	54+50.00	-11.87	695.06	0.00	695.57	11.00	695.77
36+50.00	-16.50	685.55	0.00	685.87	16.50	685.62	54+75.00	-12.37	695.03	0.00	695.42	11.00	695.75
36+75.00	-16.50	685.74	0.00	685.98	16.50	685.74	55+00.00	-12.92	694.97	0.00	695.35	11.00	695.86
37+00.00	-16.50	685.91	0.00	686.16	16.50	685.91	55+25.00	-13.51	694.96	0.00	695.42	11.07	695.81
37+25.00	-16.39	686.07	0.00	686.31	16.35	686.07	55+50.00	-14.14	694.98	0.00	695.50	11.36	695.69
37+50.00	-15.77	686.21	0.00	686.45	15.77	686.21	55+75.00	-14.82	695.09	0.00	695.54	11.74	695.73
37+75.00	-15.14	686.37	0.00	686.60	15.14	686.37	56+00.00	-15.53	695.21	0.00	695.68	12.22	695.88
38+00.00	-14.52	686.56	0.00	686.78	14.52	686.56	56+25.00	-16.29	695.36	0.00	695.84	12.78	696.09
38+25.00	-13.89	686.77	0.00	686.93	13.85	686.79	56+50.00	-16.97	695.41	0.00	695.90	13.44	696.28
38+50.00	-13.27	686.91	0.00	687.08	13.27	686.83	56+75.00	-17.31	695.51	0.00	696.11	14.19	696.48
38+75.00	-12.64	687.03	0.00	687.22	12.64	687.08	57+00.00	-17.44	695.76	0.00	696.30	15.04	696.65
39+00.00	-12.02	687.32	0.00	687.42	12.02	687.33	57+25.00	-17.40	695.89	0.00	696.38	15.95	696.77
39+25.00	-11.39	687.37	0.00	687.63	11.35	687.50	57+50.00	-17.38	696.07	0.00	696.46	16.72	696.73
39+50.00	-11.00	687.51	0.00	687.87	11.00	687.74	57+75.00	-17.43	696.39	0.00	696.66	17.31	696.83
39+75.00	-11.00	687.82	0.00	688.17	11.00	688.02	58+00.00	-17.55	696.69	0.00	696.85	17.72	696.88
40+00.00	-11.00	688.09	0.00	688.36	11.00	688.24	58+25.00	-17.74	696.88	0.00	696.95	17.95	696.91
40+25.00	-11.00	688.28	0.00	688.53	11.00	688.46	58+50.00	-18.00	697.00	0.00	697.25	18.00	697.06
40+50.00	-11.00	688.41	0.00	688.69	11.00	688.56							



PAVEMENT SURFACE ELEV. DETAIL

THE PAVEMENT ELEVATIONS SHOWN IN THIS TABLE ARE BASED ON AERIAL SURVEY ELEVATIONS AND MAY VARY FROM GROUND ELEVATIONS ENCOUNTERED IN THE FIELD. FIELD VARIATIONS SHOULD BE VERIFIED BY THE CONTRACTOR DURING CONSTRUCTION

SIDEWALK / FENCE SCHEDULES						
LOCATION	42400200	66400105	66500105	42400800	X4240430	NOTE
	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	CHAIN LINK FENCE, 4'	WOVEN WIRE FENCE, 4'	DETECTABLE WARNINGS	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	
	SQ FT	FOOT	FOOT	SQ FT	SQ FT	
BEGINNING OF PROJECT - WINTER AVENUE						
16+39.18	LT	18+42.96	LT	1599		SIDEWALK
18+70.70	LT	19+52.78	LT	661		SIDEWALK
19+80.23	LT	19+88.46	LT	70		SIDEWALK
20+10.51	LT	20+32.68	LT			

### UTILITY ADJUSTMENT SCHEDULE

STATION	OFFSET	EXISTING ELEVATION	PROPOSED ELEVATION	ELEVATION DIFFERENCE	60255500	60300305									NOTES
					MANHOLES TO BE ADJUSTED	FRAMES AND LIDS TO BE ADJUSTED	FIRE HYDRANT RELOCATION (BY OTHERS)	POWER POLE RELOCATION (BY OTHERS)	LIGHT POLE RELOCATION (BY OTHERS)	GAS VALVE RELOCATION (BY OTHERS)	WATER VALVE ADJUSTMENT (BY OTHERS)	GAS VALVE ADJUSTMENT (BY OTHERS)	TELEPHONE PEDESTAL RELOCATION (BY OTHERS)	CABLE TV BOX RELOCATION (BY OTHERS)	
EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	
<b>BOWMAN SOUTH</b>															
16+45.06	24.96'	LT	653.67	654.08	0.41	1									IN PROPOSED SIDEWALK
16+51.44	25.84'	LT	653.52	654.06	0.54								1		IN PROPOSED SIDEWALK
16+59.93	19.81'	LT	653.90	654.16	0.26	1									IN PROPOSED DITCH
17+66.33	19.39'	LT	656.36	656.40	0.04	1									IN PROPOSED DITCH
17+94.99	25.69'	LT	656.53	656.78	0.25				1						IN PROPOSED SIDEWALK
18+74.41	30.38'	LT	657.75	658.03	0.28						1				IN PROPOSED SIDEWALK
18+97.46	24.13'	LT	658.70	659.03	0.33	1									IN PROPOSED SIDEWALK
20+20.42	32.50'	LT	659.50	658.87	-0.63	1									
20+64.91	33.03'	LT	661.23	661.20	-0.03								1		IN PROPOSED SIDEWALK
21+77.34	29.39'	LT	662.90	664.87	1.97		1								IN PROPOSED SIDEWALK
22+13.65	24.83'	LT	664.81	665.27	0.46		1								IN PROPOSED DITCH
24+95.93	34.13'	LT	670.60	670.61	0.01								1		IN PROPOSED SIDEWALK
25+37.43	24.95'	RT	672.14	670.86	-1.28								1		IN PROPOSED DITCH
25+40.92	26.98'	RT	672.54	670.42	-2.12				1						IN PROPOSED DITCH
26+36.92	36.95'	LT	673.18	673.22	0.04					1					IN PROPOSED SIDEWALK
27+29.76	36.89'	LT	675.99	676.08	0.09					1					IN PROPOSED SIDEWALK
27+31.54	25.00'	RT	675.40	674.97	-0.43					1					IN PROPOSED DITCH
27+36.80	38.07'	LT	676.11	676.16	0.05				1						IN PROPOSED SIDEWALK
27+59.19	25.98'	RT	676.28	675.22	-1.06					1					IN PROPOSED DITCH
28+77.36	35.79'	LT	678.44	678.75	0.31					1					IN PROPOSED SIDEWALK
28+93.98	35.51'	LT	679.07	678.96	-0.11					1					IN PROPOSED SIDEWALK
29+29.88	27.02'	RT	680.29	678.32	-1.97				1						IN PROPOSED DITCH
29+93.77	30.70'	LT	679.59	679.99	0.40		1								WATER METER
30+75.83	34.38'	LT	681.70	681.66	-0.04								1		IN PROPOSED SIDEWALK
31+90.26	24.25'	RT	681.05	681.84	0.79		1								WATER VALVE/ BUFFALO BOX
32+98.41	26.64'	LT	683.19	683.70	0.51					1					IN PROPOSED SIDEWALK
33+07.84	15.56'	LT	683.34	683.31	-0.03	1									TELEPHONE
33+15.92	29.41'	LT	683.55	683.86	0.31		1								WATER METER
33+40.31	27.74'	RT	681.34	681.49	0.15		1								WATER METER
34+33.56	27.04'	LT	683.62	684.84	1.22	1									WATER METER
35+35.56	23.40'	LT	684.77	685.22	0.45										STORM
36+15.88	15.74'	LT	685.24	685.30	0.06		1			1					IN PROPOSED SIDEWALK
37+36.61	25.81'	RT	684.90	684.76	-0.14				1						WATER VALVE/ BUFFALO BOX
40+24.79	27.01'	LT	687.69	688.57	0.88		1								IN PROPOSED DITCH
40+28.68	26.98'	LT	687.41	688.50	1.09					1					WATER VALVE/ BUFFALO BOX
42+29.71	25.07'	LT	689.36	690.26	0.90				1						IN PROPOSED SHARED USE PATH
43+59.78	30.69'	LT	690.29	691.06	0.77							1			IN PROPOSED SHARED USE PATH
46+61.43	30.91'	LT	693.35	694.04	0.69							1			IN PROPOSED GRADING
47+35.78	26.84'	LT	693.70	695.00	1.30										IN PROPOSED GRADING
47+95.43	27.10'	RT	694.77	695.19	0.42		1								IN PROPOSED SHARED USE PATH
48+46.05	34.43'	LT	695.29	695.30	0.01										WATER VALVE/ BUFFALO BOX
48+48.18	29.40'	LT	695.18	695.74	0.56									1	STORM SEWER CONSTRUCTION
49+74.94	28.61'	RT	695.19	696.41	1.22				1					1	STORM SEWER CONSTRUCTION
50+57.37	29.35'	LT	696.63	696.96	0.33		1								NEAR PROPOSED SIDEWALK
50+61.02	23.53'	LT	697.29	696.93	-0.36		1								WATER METER
50+64.60	24.33'	LT	697.36	696.92	-0.44										WATER VALVE/ BUFFALO BOX
51+17.24	37.05'	LT	697.80	696.66	-1.14					1					IN PROPOSED DRIVEWAY
51+20.34	27.03'	LT	697.29	696.77	-0.52										IN PROPOSED DITCH
51+71.48	24.11'	LT	696.42	696.73	0.31				1						NEAR PROPOSED SHARED USE PATH
52+66.14	27.36'	RT	695.85	695.92	0.07		1								IN PROPOSED SHARED USE PATH
52+84.35	24.20'	LT	694.60	695.97	1.37										WATER VALVE/ BUFFALO BOX
54+62.19	40.10'	LT	693.49	693.68	0.19							1			IN PROPOSED SHARED USE PATH
54+96.07	32.94'	RT	692.09	692.25	0.16	1									IN PROPOSED GRADING
55+51.00	36.75'	LT	693.38	694.13	0.75										SANITARY
56+41.17	24.73'	LT	694.66	695.65	0.99								1		STORM SEWER CONSTRUCTION
57+48.44	28.09'	LT	694.80	696.33	1.53										IN PROPOSED SHARED USE PATH
<b>TOTAL</b>					8	13	6	4	5	7	1	3	6	1	2

USER NAME - dwd01573	DESIGNED - m. heyen	REVISED -
	DRAWN - dj. pop	REVISED -
PLDT SCALE - 2.0000' / in.	CHECKED - m. heyen	REVISED -
PLDT DATE - 03/18/2014	DATE - 02/18/2014	REVISED -

SCHEDULE OF QUANTITIES			
SCALE: N.T.S.	SHEET NO. 5 OF 9 SHEETS	STA.	TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	12
C-95-330-13				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 91494	

**PAVEMENT MARKING SCHEDULE**

LOCATION											NOTE			
	70300100		70300220		78009000	78009004	78009006	78009012	78009024	78100100		X7830070	X7830078	
	SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKERS	GROOVING FOR RECESSED PAVEMENT MARKING 5"	GROOVING FOR RECESSED PAVEMENT MARKING 13"				
BEGIN STATION	DIR	END STATION	OFF SET	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	EACH	FOOT	FOOT	
<b>BEGINNING OF PROJECT - WINTER AVENUE</b>														
22+50.00		35+50.00	11' Rt	1300	2600	123	1300				16	1300		
22+50.00		35+50.00	11' Lt	1300	2600		1300				16	1300		
36+41.00		37+21.00	11' Rt	80	160	9	80				2	80		
36+41.00		37+21.00	11' Lt	80	160		80				2	80		
22+25.00		35+50.00	11' Rt	331	663		331					331		
22+25.00		35+50.00	11' Lt	331	663		331					331		
36+41.00		37+21.00	11' Rt	20	40		20					20		
36+41.00		37+21.00	11' Lt	20	40		20					20		
37+21.00		39+41.00	Varies Rt	440	880		440			6		440		
37+21.00		39+41.00	Varies Lt	440	880		440	80		6		440	80	
39+41.00		46+70.00	Centerline	1458	2916		1458			9		1458		
48+00.00		51+65.00	Centerline	730	1460		730			5		730		
51+51.58		51+51.61	Crosswalk					44	80					
53+00.00		54+31.00	Centerline	262	524		262			2		262		
54+31.00		58+50.00	Varies Rt	838	1676		838		195	10		838	195	
54+31.00		58+50.00	Varies Lt	838	1676		838			10		838		
<b>SUBTOTAL</b>				<b>8469</b>	<b>16937</b>	<b>132</b>	<b>8469</b>		<b>355</b>		<b>84</b>	<b>8469</b>	<b>275</b>	
<b>HOLIDAY DRIVE</b>														
35+51.00		36+41.00	23' Lt						90					
35+62.00		36+29.00	32' Lt						67					
35+66.00		35+92.00	37' 5" Lt								26			INTERSECTION
<b>SUBTOTAL</b>									<b>157</b>		<b>26</b>			
<b>GEORGIAN DR</b>														
46+77.00		47+93.00	16' 5" Rt						116					
46+86.00		47+83.00	33' 5" Rt						97					
<b>SUBTOTAL</b>									<b>213</b>					
<b>GARDEN DRIVE</b>														
51+83.00		52+93.00	15' 5" Rt						110					
51+97.00		52+83.00	22' 5" Lt						86					
52+44.00		52+78.00	28' Rt								34			INTERSECTION
<b>SUBTOTAL</b>									<b>196</b>		<b>34</b>			
<b>TOTAL</b>				<b>8469</b>	<b>16937</b>	<b>132</b>	<b>8469</b>	<b>44</b>	<b>921</b>	<b>60</b>	<b>84</b>	<b>8469</b>	<b>275</b>	

**SIGN SCHEDULE**

EXISTING LOCATION	PROPOSED LOCATION		SIGN WIDTH (IN)	SIGN HEIGHT (IN)	SIGN AREA (SQ FT)	MUTCD CODE	HEIGHT CLEARANCE SIGN PANEL TO GROUND (FT)	SIGN SCHEDULE					NOTES	
								72000100	72400500		72900100	72900200		TRAFFIC SIGNAL POST, GALVANIZED
								SIGN PANEL - TYPE 1	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	RECT. RAPID FLASHING BEACON	METAL POST - TYPE A	METAL POST - TYPE B		
STATION	OFFSET	STATION	OFFSET					SQ FT	EACH	EACH	FOOT	FOOT	FOOT	
<b>BOWMAN SOUTH</b>														
23+76.04	23.84'	38+00.00	21.00'						1					24X36 SIGN (R3-9B)
24+32.95	19.34'	39+00.00	19.00'						1					36X36 SIGN (W6-3)
36+32.00	38.00'	36+32.00	38.00'						1					STREET SIGN (BOWMAN/HOLIDAY)
36+87.00	28.00'	36+87.00	21.00'						1					SIGN (DMT BUS STOP)
42+52.00	18.00'	42+52.00	15.00'						1					SIGN (DMT BUS STOP)
41+88.18	33.48'	41+82.91	41.00'						1					24X24 SIGN (STOP)
46+53.80	17.50 RT	17.50 RT	30	30	6	W11-2	7.50	6			2@15			PEDESTRIAN WARNING
46+53.80	17.50 RT	24	18	3	W16-2P			3						500 FEET
51+44.08	14.49 RT	36	36	9	W11-2	7.00						1@13		INCLUDED IN PEDESTRIAN ACTIVATED CROSSWALK WARNING SYSTEM PAY ITEM
51+44.08	14.49 RT	24	12	2	W16-7P								1@13	INCLUDED IN PEDESTRIAN ACTIVATED CROSSWALK WARNING SYSTEM PAY ITEM
51+58.75	15.33 LT	36	36	9	W11-2	7.00								PEDESTRIAN WARNING
51+58.75	15.33 LT	24	12	2	W16-7P									500 FEET
56+69.50	22.05 LT	30	30	6	W11-2	7.00					2@15			STOP SIGN
56+69.50	22.05 LT	24	18	3	W16-2P									NO MOTOR VEHICLES
36+54.50	34.50 LT	18	18	2	R1-1	5.25						1@13		BIKE ROUTE
36+54.50	34.50 LT	24	24	4	R5-3									RIGHT ARROW
36+77.35	34.50 LT	24	18	3	D11-1	5.25					1@11			STOP AHEAD WARNING
36+77.35	34.50 LT	12	9	1	M6-1									STOP SIGN
38+77.70	32.25 LT	18	18	2	W3-1	5.50					1@13			
52+85.55	31.00 RT	30	30	6	R1-1	7.00						1@14		
<b>TOTALS</b>								<b>36</b>	<b>6</b>	<b>1</b>	<b>84</b>	<b>27</b>	<b>26</b>	



MUTCD CODE: R5-3  
24" X 24"



MUTCD CODE: M6-1  
12" X 9"



MUTCD CODE: W16-2P  
24" X 18"



MUTCD CODE: R1-1  
18" X 18"  
30" X 30"



MUTCD CODE: W3-1  
18" X 18"



MUTCD CODE: D11-1  
24" X 18"



MUTCD CODE: W16-7P  
24" X 12"



MUTCD CODE: W11-2  
30" X 30"  
36" X 36"

C-601\_SCD\_QUANT.dgn

USER NAME = ostar-00605	DESIGNED - m. heyen	REVISED -
DRAWN - dj. pop	REVISED -	
PLOT SCALE = 2.0000 "/td> <td>CHECKED - m. heyen</td> <td>REVISED -</td>	CHECKED - m. heyen	REVISED -
PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: N.T.S. SHEET NO. 6 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	13
C-95-330-13			CONTRACT NO. 91494	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

PERENNIAL ORNAMENTAL PLANTING SCHEDULES							
				K0012980	K0012990		
				PERENNIAL PLANTS, ORNAMENTAL TYPE, QUART POT		PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	
				CREEPING LILY TURF (12" O.C.) & CEASAR'S BROTHER SIBERIAN IRIS (24" O.C.)	STELLA de ORO DAYLILY (15" O.C.) & DRAGONS BLOOD STONECROP (24" O.C.)	LITTLE CHICKEN JAPANESE SILVER GRASS	
ROADWAY	STATION		STATION	ROWS	UNIT	UNIT	EACH
BOWMAN AVE.	16+40.00	TO	18+38.00	2		3.17	
BOWMAN AVE.	16+54.00	TO	18+46.00	3	5.76		
BOWMAN AVE.	18+75.00	TO	19+49.00	1		0.59	
BOWMAN AVE.	18+68.00	TO	19+57.00	4	3.64		
BOWMAN AVE.	19+76.00	TO	19+93.00	4	0.68		
BOWMAN AVE.	20+07.00	TO	20+37.00	4	1.20		
BOWMAN AVE.	20+14.00	TO	20+29.00	2		0.24	
BOWMAN AVE.	20+53.00	TO	21+46.00	5	4.65		
BOWMAN AVE.	20+61.00	TO	21+37.00	2		1.22	
BOWMAN AVE.	21+64.00	TO	22+58.00	3	2.82		
BOWMAN AVE.	21+71.00	TO	22+50.00	3	2.37		
BOWMAN AVE.	22+74.00	TO	23+35.00	7		3.42	
BOWMAN AVE.	23+51.00	TO	24+30.00	7		4.42	
BOWMAN AVE.	24+43.00	TO	25+02.00	7		3.30	
BOWMAN AVE.	25+17.00	TO	26+59.00	6	8.52		
BOWMAN AVE.	25+46.00	TO	26+59.00	7		6.33	
BOWMAN AVE.	26+71.00	TO	27+50.00	6	4.74		
BOWMAN AVE.	26+90.00	TO	27+50.00	7		3.36	
BOWMAN AVE.	27+62.00	TO	27+80.00	6	1.08		
BOWMAN AVE.	27+62.00	TO	27+80.00	7		1.01	
BOWMAN AVE.	27+95.00	TO	28+20.00	6		1.20	
BOWMAN AVE.	28+34.00	TO	29+64.00	7		7.28	
BOWMAN AVE.	28+34.00	TO	29+64.00	4	5.20		
BOWMAN AVE.	29+80.00	TO	30+50.00	7		3.92	
BOWMAN AVE.	29+80.00	TO	30+50.00	3	2.10		
BOWMAN AVE.	30+65.00	TO	32+62.00	7	13.79		
BOWMAN AVE.	30+65.00	TO	32+62.00	1		1.58	
BOWMAN AVE.	30+62.00	TO	33+00.00	5	11.90		
BOWMAN AVE.	33+00.00	TO	34+53.00	2	3.06		
BOWMAN AVE.	34+53.00	TO	35+46.00	3	2.79		
BOWMAN AVE.	36+50.00	TO	38+00.00	4	6.00		
BOWMAN AVE.	38+00.00	TO	39+80.00	5	9.00		
BOWMAN AVE.	39+05.00	TO	41+91.00	7	20.02		
BOWMAN AVE.	42+24.00	TO	43+00.00	6	4.56		
BOWMAN AVE.	43+00.00	TO	48+45.00	4	21.80		
BOWMAN AVE.	48+45.00	TO	49+20.00	8		4.80	
BOWMAN AVE.	49+20.00	TO	49+35.00	12			1.80
BOWMAN AVE.	49+35.00	TO	49+55.00	4			0.80
BOWMAN AVE.	49+55.00	TO	49+70.00	7			1.05
BOWMAN AVE.	49+70.00	TO	50+41.00	8		4.54	
BOWMAN AVE.	51+21.00		51+49.00	4	1.12		
BOWMAN AVE.	51+57.00		54+91.00	4	13.36		
BOWMAN AVE.	55+37.00		56+82.00	4	5.80		
BOWMAN AVE.	57+32.00		60+64.00	4	13.28		
					169.24	50.38	3.65

TREE PLANTING SCHEDULES								
			B2000121	B20018G5	A2006814	A2006517	B2001394	C2C12324
			HOT WINGS TATARIAN MAPLE	IVORY SILK JAPANESE TREE LILAC	CHINKAPIN OAK	SAWTOO TH OAK	WHITE FLOWERING DOGWOOD	MOHICAN VIBURNUM
ROADWAY	STATION	LT/RT	EACH	EACH	EACH	EACH	EACH	EACH
BOWMAN AVE.	17+20.00	29.81' LT	1					
BOWMAN AVE.	17+70.00	29.98' LT	1					
BOWMAN AVE.	20+14.21	31.31' LT					1	
BOWMAN AVE.	20+29.14	31.41' LT					1	
BOWMAN AVE.	23+04.77	22.79' LT		1				
BOWMAN AVE.	23+90.36	22.79' LT		1				
BOWMAN AVE.	24+72.89	22.79' LT		1				
BOWMAN AVE.	25+69.46	28.00' LT		1				
BOWMAN AVE.	26+40.00	28.00' LT		1				
BOWMAN AVE.	27+28.08	28.00' LT		1				
BOWMAN AVE.	28+60.00	28.00' LT		1				
BOWMAN AVE.	29+39.24	28.00' LT		1				
BOWMAN AVE.	29+44.68	39.81' LT						1
BOWMAN AVE.	29+50.68	39.72' LT						1
BOWMAN AVE.	29+56.68	39.63' LT						1
BOWMAN AVE.	30+04.71	38.92' LT						1
BOWMAN AVE.	30+10.71	38.84' LT						1
BOWMAN AVE.	30+16.71	38.75' LT						1
BOWMAN AVE.	30+22.71	38.66' LT						1
BOWMAN AVE.	30+28.71	38.57' LT						1
BOWMAN AVE.	30+14.68	22.00' LT		1				
BOWMAN AVE.	30+95.00	22.00' LT		1				
BOWMAN AVE.	31+75.00	22.98' LT		1				
BOWMAN AVE.	32+55.00	22.38' LT		1				
BOWMAN AVE.	36+79.84	35.73' LT					1	
BOWMAN AVE.	37+59.84	35.28' LT					1	
BOWMAN AVE.	38+39.83	34.84' LT					1	
BOWMAN AVE.	39+20.00	34.50' LT					1	
BOWMAN AVE.	40+50.00	39.50' LT			1			
BOWMAN AVE.	41+40.00	39.50' LT			1			
BOWMAN AVE.	42+75.00	39.50' LT			1			
BOWMAN AVE.	43+55.00	39.50' LT			1			
BOWMAN AVE.	44+35.00	39.50' LT			1			
BOWMAN AVE.	45+15.00	39.50' LT			1			
BOWMAN AVE.	45+95.00	39.50' LT			1			
BOWMAN AVE.	46+75.00	39.50' LT			1			
BOWMAN AVE.	47+55.00	39.50' LT			1			
BOWMAN AVE.	50+40.00	39.50' LT	1					
BOWMAN AVE.	51+25.00	39.50' LT	1					
BOWMAN AVE.	52+05.00	39.50' LT	1					
BOWMAN AVE.	54+50.00	35.00' LT	1					
BOWMAN AVE.	55+85.00	35.00' LT	1					
BOWMAN AVE.	56+50.00	35.00' LT	1					
BOWMAN AVE.	57+65.00	45.00' LT	1					
BOWMAN AVE.	58+65.00	45.00' LT	1					
BOWMAN AVE.	59+45.00	45.00' LT	1					
BOWMAN AVE.	60+25.00	45.00' LT	1					
BOWMAN AVE.	61+06.62	56.42' LT	1					
			13	12	9	4	2	8





**PIPE SCHEDULE**

LOCATION						542D5470	542D0217	542D0220	550A0050	X004210	550A0070	550A0090	550A2320	550A2400	550A2340	20800150										
PIPE NUMBER	FROM STRUCTURE NUMBER	INV ELEV	TO STRUCTURE NUMBER	INV ELEV	PIPE SLOPE %	P CUL CL D 1 EQRS 15	P CUL CL D 1 12	P CUL CL D 1 15	STORM SEW CL A 1 12	DI PIPE STORM SEW 12	STORM SEW CL A 1 15	STORM SEW CL A 1 18	SS RG CL A 1 12	SS RG CL A 1 36	SS RG CL A 1 18	TRENCH BACKFILL CU YD										
P102	102	691.61	102A	691.31	0.50%											60	15.3									
P102A	102A	691.21	103A	690.87	0.50%				68								6.9									
P103	103	690.98	103A	690.87	0.52%								21				4.1									
P103A	103A	690.77	104A	690.32	0.50%					89																
P104	104	690.43	104A	690.31	0.51%								24				3.4									
P104A	104A	690.29	106	690.18	0.49%					23																
P106	106	690.08	106A	690.00	0.53%									15												
P105A	105A	690.52	106	690.18	0.50%						68						11.4									
P105	105	690.76	105A	690.62	0.49%												4.6									
P201	201	690.92	105	690.66	0.47%					13							2.5									
P202A	202A	691.44	105A	690.62	0.50%				163																	
P202	202	691.68	202A	691.54	0.50%								28				4.1									
P300	300	693.79	301A	692.96	1.20%				69								36.0									
P301	301	690.90	301A	690.75	0.56%								27				8.1									
P301A	301A	686.78	302A	686.06	0.50%				143																	
P302	302	689.99	302A	689.84	0.56%								27				5.0									
P302A	302A	685.96	303A	685.24	0.50%					144																
P303	303	687.70	303A	687.55	0.56%								27				9.8									
P303A	303A	685.14	304A	684.43	0.50%								144													
P304	304	686.76	304A	686.61	0.56%								27				5.4									
P304A	304A	684.33	305A	683.56	0.50%								154													
P305	305	684.50	305A	684.35	0.56%								27				12.1									
P305A	305A	683.46	306A	682.78	0.50%						135						32.9									
P306	306	684.31	306A	683.59	2.68%								27				6.6									
P306A	306A	682.68	307E	682.34	0.50%									68			25.4									
P307	307	681.24	307A	681.20	0.50%								7				7.5									
P309	309	678.68	309A	678.64	0.50%								6				8.6									
P310A	310A	680.10	310E	680.00	0.71%								14				4.2									
P312E	312E	678.91	EXST PIPE	678.91	0.00%								3				1.0									
P313	313	680.00	315A	673.00	7.72%								86				1.2									
P314	312	680.50	314	680.39	0.50%								21				2.1									
P315	314	680.29	EXST	678.27	2.41%				84																	
P316A	316B	673.11	316A	672.87	7.55%								3													
P317	317	681.57	317A	679.64	8.28%																					
P411	411	670.60	412	669.86	1.00%	71		22									2.6									
P414	414	678.78	415	678.40	1.00%	35											2.8									
P416	416	683.25	417	683.85	1.01%	56											5.9									
P418	418	690.81	419	EXST	0.49%																					
P420	420	692.60	421	EXST	0.49%																					
P422	422	EXST	423	694.39	4.16%												1.9									
P500	500	677.90	504	677.80	2.27%												1.7									
P501	501	675.40	505	675.30	2.27%								4				0.5									
P502	502	668.80	506	668.70	2.27%								4				0.4									
P503	503	662.85	507	662.76	2.37%								4				0.5									
P504	504	677.70	505	675.30	1.14%								211				0.9									
P505	505	675.20	506	668.70	1.99%								326				33.4									
P506	506	668.80	507	662.76	2.05%								285				35.9									
P507	507	662.64	409	661.10	2.16%								71				64.4									
<b>TOTALS</b>																162	22	41	527	922	324	433	463	15	68	436
<b>Sub Total from Drainage Structure Removals =</b>																										46.0

**PIPE UNDERDRAIN SCHEDULE**

LOCATION			60107600	60107700	60108100	60108200	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS EACH	CONNECTION NOTES
BEGIN STATION	END STATION	OFFSET	PIPE UNDERDRAINS 4"	PIPE UNDERDRAINS 6"	PIPE UNDERDRAINS 4" (SPECIAL)	PIPE UNDERDRAINS 6" (SPECIAL)			
16+45.07	16+55.010								
16+55.01	19+00.00		247				12		
18+97.46	19+09.94						15		
19+09.94	22+02.15		292						
22+13.00	22+50.00	LT					37		STRUCT. 409
22+22.00	22+50.00	RT					28		EXIST. STRUCT.
22+50.00	22+90.00	LT	40						
22+90.00	22+90.00	LT					2		STRUCT. 503
22+90.00	25+80.00	LT	290						
25+80.00	25+80.00	LT					2		STRUCT. 502
25+80.00	29+10.00	LT	330						
29+10.00	29+10.00	LT					2		STRUCT. 501
29+10.00	31+25.00	LT	215						
31+25.00	31+25.00	LT					2		STRUCT. 500
31+25.00	33+50.00	LT	225						
22+50.00	33+50.00	RT		1100					
33+50.00	33+50.00	LT					2		STRUCT. 312
33+50.00	35+25.00	LT	175						
33+50.00	33+50.00	RT					2		STRUCT. 313
33+50.00	35+52.00	RT	202						
35+52.00	35+52.00	RT					10	1	HEADWALL
35+52.00	51+65.00	RT		1710					
36+36.00	36+65.00	LT					30		STRUCT. 310E
36+65.00	37+50.00	LT	85						
37+50.00	37+50.00	LT					2		STRUCT. 309
37+50.00	39+50.00	LT	200						
39+50.00	39+50.00	LT					2		STRUCT. 307
39+50.00	41+00.00	LT	150						
41+00.00	41+00.00	LT					2		STRUCT. 306
41+00.00	42+40.00	LT	140						
42+40.00	42+40.00	LT					2		STRUCT. 305
42+40.00	44+00.00	LT	159						
44+00.00	44+00.00	LT					2		STRUCT. 304
44+00.00	45+50.00	LT	149						
45+50.00	45+50.00	LT					2		STRUCT. 303
45+50.00	47+00.00	LT	149						
47+00.00	47+00.00	LT					2		STRUCT. 302
47+00.00	48+50.00	LT	149						
48+50.00	48+50.00	LT					2		STRUCT. 301
48+50.00	48+50.00	LT	201						
51+24.00	53+00.00	LT	175						
53+00.00	53+00.00	LT					2		STRUCT. 202
53+00.00	54+55.00	LT	169						
54+55.00	54+55.00	LT					2		STRUCT. 201
53+11.00	55+50.00	RT	241						
55+50.00	55+50.00	RT					9	1	HEADWALL
55+50.00	55+50.00	RT					9	1	HEADWALL
54+55.00	55+75.00	LT	104						
55+75.00	55+75.00	LT					2		STRUCT. 104
55+50.00	58+50.00	RT	301						
55+75.00	56+70.00	LT	95						
56+70.00	56+70.00	LT					2		STRUCT. 103
56+70.00	58+00.00	LT	130						
58+00.00	58+00.00	LT					2		STRUCT. 102
58+00.00	58+50.00	LT	50						
<b>TOTALS</b>			4663	2810	120	68		3	

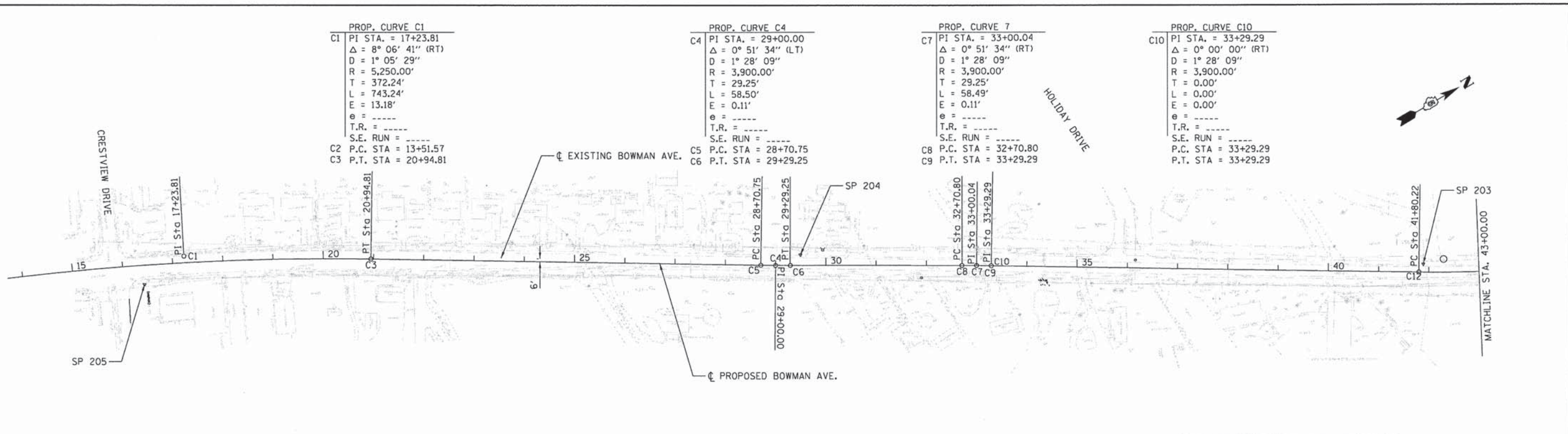
**DRAINAGE STRUCTURE REMOVALS**

STATION	OFFSET	EACH	REMOVING MANHOLES		PIPE CULVERT REMOVAL	TRENCH BACKFILL	NOTES
			60500040	60500080	50105220	20800150	
20+20.42	30.14	LT		1			STORM MANHOLE
22+66.10	27.20	LT			25	1.3	15" CONC
23+43.00	26.80	LT			25	2.5	15" CONC
24+36.80	26.50	LT			23	3.3	15" CMP
25+09.50	27.30	LT			24	1.7	15" CONC
25+63.20	17.50	RT			28	---	15" CONC
26+65.30	27.80	LT			24	1.5	15" CONC
27+90.10	28.00	LT			95	5.8	15" CONC
29+72.10	27.90	LT			28	2.6	15" CONC
30+16.40	18.40	RT			34	---	8"
30+57.30	25.90	LT			33	---	15" CONC
34+60.10	21.30	LT				---	
36+66.60	23.40	RT			59	6.1	15" CONC
40+31.20	21.20	LT				---	
40+75.50	21.70	RT			24	---	12" CMP
42+10.30	22.70	LT			49	6.0	15" CONC
54+75.66	29.39	LT	1				STORM MANHOLE
54+99.15	43.56	LT	1				SANITARY MANHOLE
55+13.20	26.60	LT			59	9.3	12" CONC
55+45.50	27.50	LT		1		---	CONC INLET BOX
57+06.70	31.50	LT			50	6.0	12" CONC
<b>SUB TOTAL</b>						46	SEE PIPE SCHED.
<b>TOTAL</b>		2	4	580			

**RIPRAP SCHEDULE**

LOCATION	CURB OUTLET LAYOUT					28100105 CL A3 SQ YD
----------	--------------------	--	--	--	--	----------------------------





PROP. CURVE C1  
 C1 PI STA. = 17+23.81  
 $\Delta = 8^\circ 06' 41''$  (RT)  
 $D = 1^\circ 05' 29''$   
 $R = 5,250.00'$   
 $T = 372.24'$   
 $L = 743.24'$   
 $E = 13.18'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 C2 P.C. STA = 13+51.57  
 C3 P.T. STA = 20+94.81

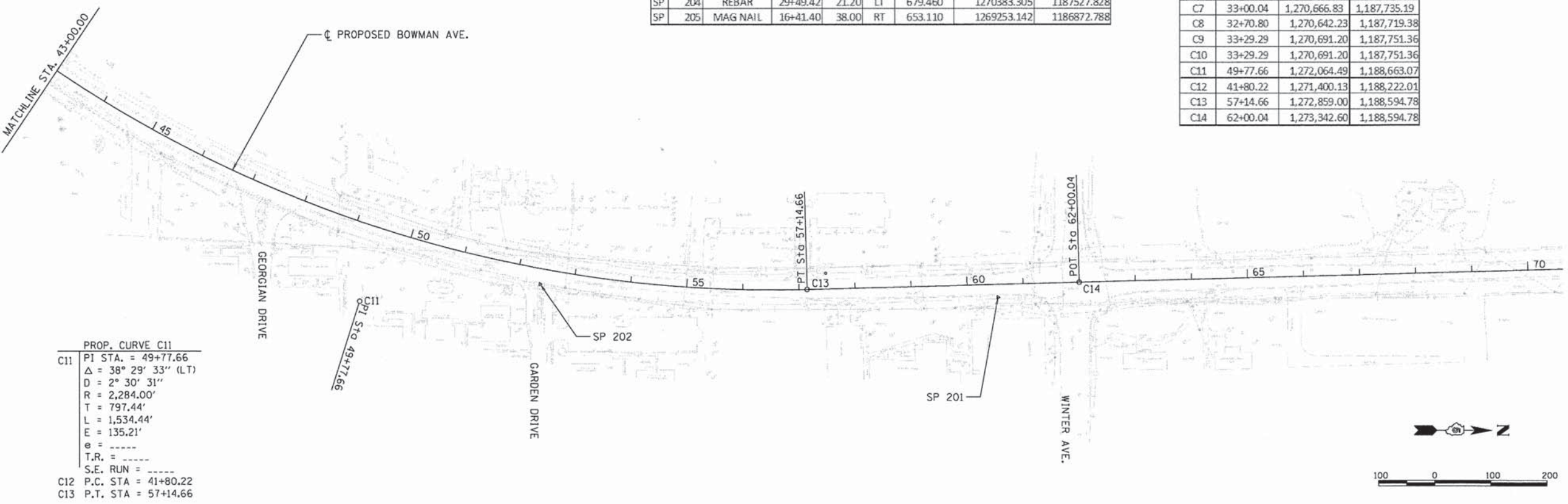
PROP. CURVE C4  
 C4 PI STA. = 29+00.00  
 $\Delta = 0^\circ 51' 34''$  (LT)  
 $D = 1^\circ 28' 09''$   
 $R = 3,900.00'$   
 $T = 29.25'$   
 $L = 58.50'$   
 $E = 0.11'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 C5 P.C. STA = 28+70.75  
 C6 P.T. STA = 29+29.25

PROP. CURVE 7  
 C7 PI STA. = 33+00.04  
 $\Delta = 0^\circ 51' 34''$  (RT)  
 $D = 1^\circ 28' 09''$   
 $R = 3,900.00'$   
 $T = 29.25'$   
 $L = 58.49'$   
 $E = 0.11'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 C8 P.C. STA = 32+70.80  
 C9 P.T. STA = 33+29.29

PROP. CURVE C10  
 C10 PI STA. = 33+29.29  
 $\Delta = 0^\circ 00' 00''$  (RT)  
 $D = 1^\circ 28' 09''$   
 $R = 3,900.00'$   
 $T = 0.00'$   
 $L = 0.00'$   
 $E = 0.00'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 P.C. STA = 33+29.29  
 P.T. STA = 33+29.29

Survey Control							
POINT	DESCRIPTION	STATION	OFFSET	LT/RT	ELEVATION	NORTHING	EASTING
SP 201	MAG NAIL	60+54.54	23.10	RT	697.540	1273199.649	1188588.681
SP 202	MAG NAIL	52+41.77	27.42	RT	696.070	1272383.748	1188613.607
SP 203	MAG NAIL	41+88.85	16.05	LT	689.400	1271416.183	1188213.389
SP 204	REBAR	29+49.42	21.20	LT	679.460	1270383.305	1187527.828
SP 205	MAG NAIL	16+41.40	38.00	RT	653.110	1269253.142	1186872.788

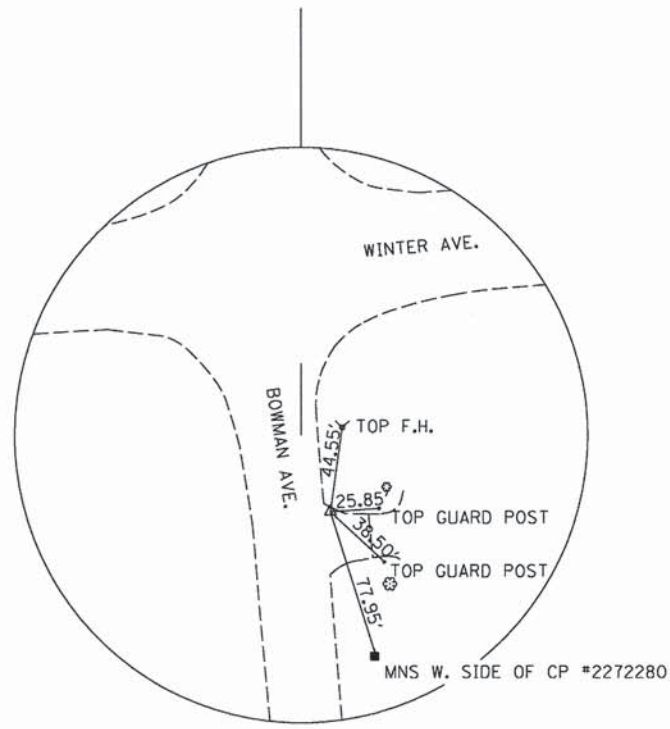
Bowman Avenue			
POINT	STATION	NORTHING	EASTING
C1	17+23.81	1,269,349.32	1,186,867.71
C2	13+51.57	1,269,013.25	1,186,707.64
C3	20+94.81	1,269,659.45	1,187,073.60
C4	29+00.00	1,270,330.27	1,187,518.95
C5	28+70.75	1,270,305.90	1,187,502.77
C6	29+29.25	1,270,354.87	1,187,534.76
C7	33+00.04	1,270,666.83	1,187,735.19
C8	32+70.80	1,270,642.23	1,187,719.38
C9	33+29.29	1,270,691.20	1,187,751.36
C10	33+29.29	1,270,691.20	1,187,751.36
C11	49+77.66	1,272,064.49	1,188,663.07
C12	41+80.22	1,271,400.13	1,188,222.01
C13	57+14.66	1,272,859.00	1,188,594.78
C14	62+00.04	1,273,342.60	1,188,594.78



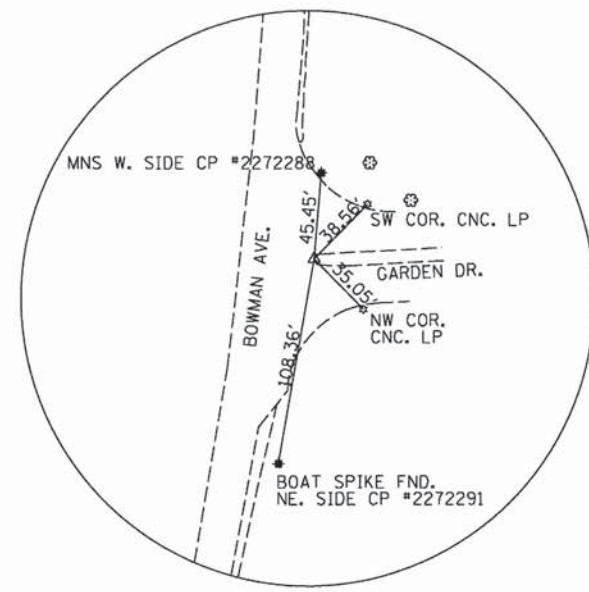
PROP. CURVE C11  
 C11 PI STA. = 49+77.66  
 $\Delta = 38^\circ 29' 33''$  (LT)  
 $D = 2^\circ 30' 31''$   
 $R = 2,284.00'$   
 $T = 797.44'$   
 $L = 1,534.44'$   
 $E = 135.21'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 C12 P.C. STA = 41+80.22  
 C13 P.T. STA = 57+14.66



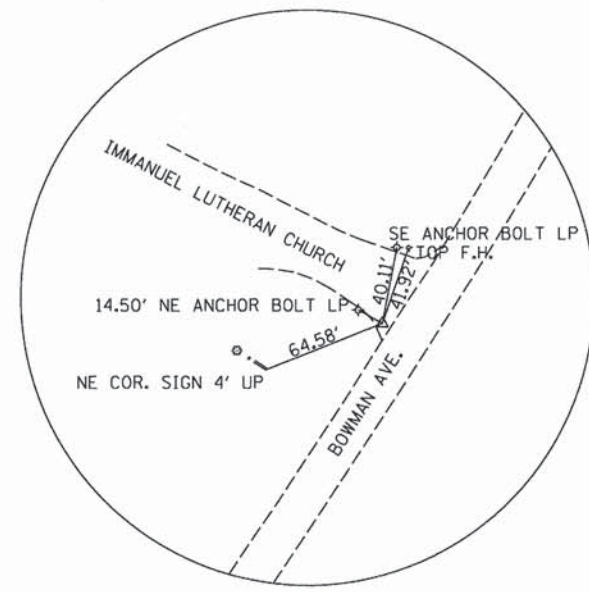
c:\bl\geometrics.dgn	USER NAME = oster-00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GEOMETRIC CONTROL / SURVEY CONTROL</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 200.0000' / in.	DRAWN - c.j. pop	REVISED -				7045	09-00334-02-PV	VERMILION	64	17
	PLOT DATE = 02/18/2014	CHECKED - m. heyen	REVISED -				C-95-330-13		CONTRACT NO.	91494	
				SCALE: 1"=100'	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



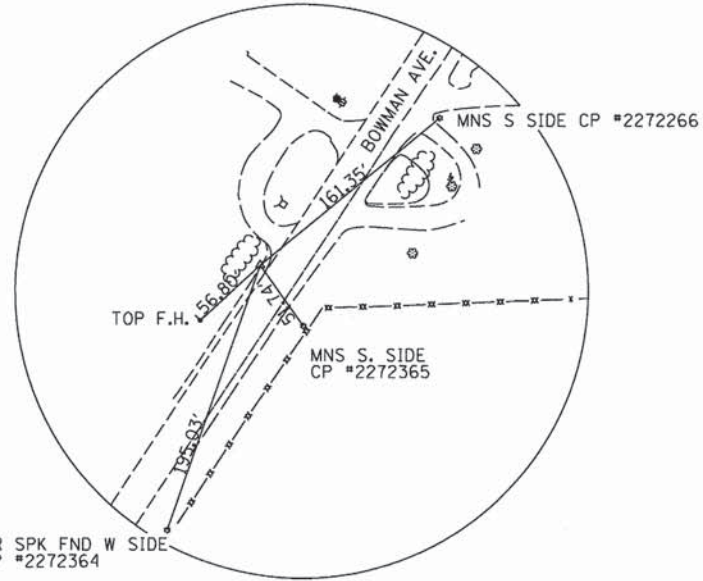
C.P. #201  
 STA. 60+54.53  
 23.09' RT  
 N-1,273,199.649  
 E-1,188,588.681



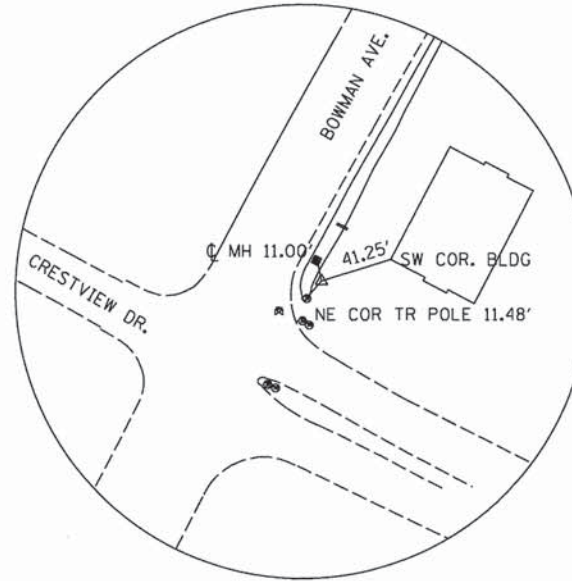
C.P. #202  
 STA. 52+41.76  
 27.41' RT  
 N-1,272,383.748  
 E-1,188,613.607



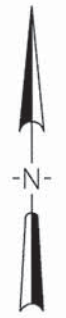
C.P. #203  
 STA. 41+88.84  
 16.05' LT  
 N-1,271,416.183  
 E-1,188,213.389



C.P. #204  
 STA. 29+49.42  
 21.20' LT  
 N-1,270,383.305  
 E-1,187,527.828

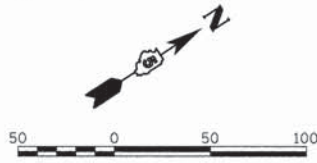
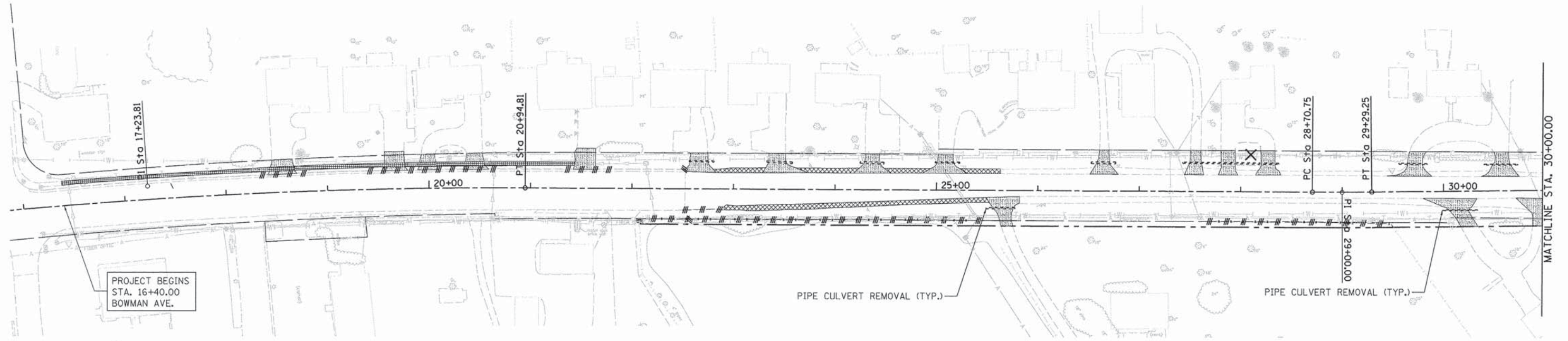


C.P. #205  
 STA. 16+40.49 (exist. Bowman Ave.)  
 32.24' LT  
 N-1,269,253.142  
 E-1,186,872.788



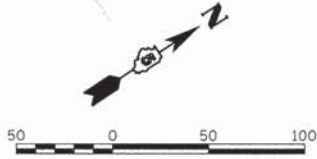
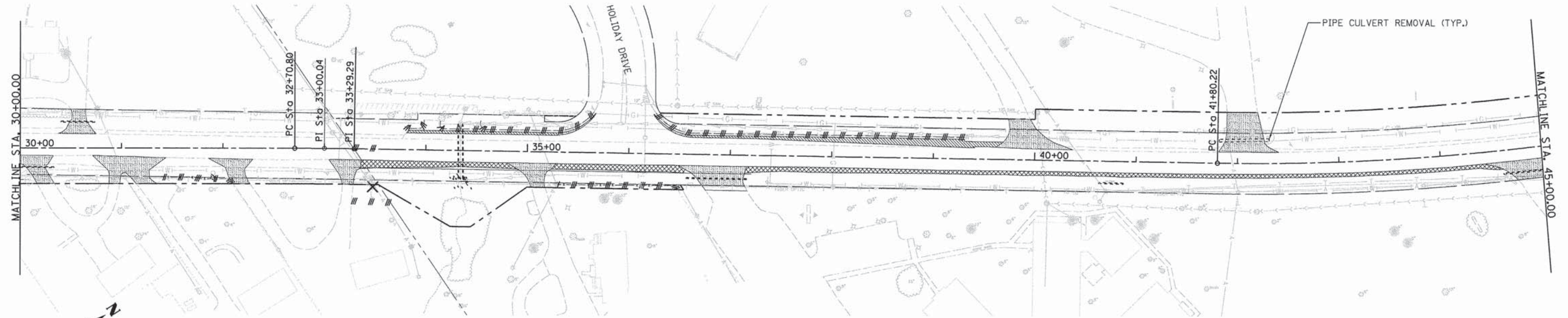
NORTH ARROW SHOWN FOR ALL TIES

c:\181.TIES.dgn	USER NAME = aster00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SURVEY TIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 200.0000' / 1" =	DRAWN - dj. pop	REVISED -		SCALE: 1"=100'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	7045	09-00334-02-PV	VERMILION	64	18
	PLOT DATE = 02/18/2014	CHECKED - m. heyen	REVISED -						C-95-330-13		CONTRACT NO.	91494	
		DATE - 02/18/2014	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

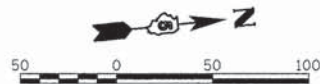
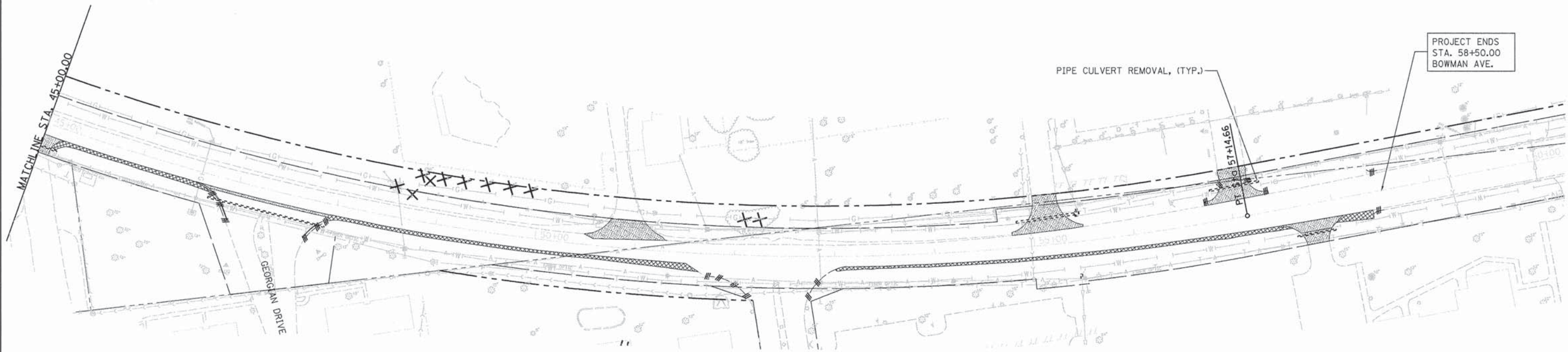


NOTES:  
 HOT-MIX ASPHALT SURFACE REMOVAL, 6"  
 PCC SURFACE REMOVAL, 0.25"  
 STA. 22+50 TO STA. 58+50  
 SEE ALL REMOVAL SCHEDULES

REMOVAL LEGEND - (SEE SCHEDULES)	
	ASPHALT PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	LINEAR REMOVAL ITEMS
	REMOVAL ITEM (EACH)
	PIPE CULVERT REMOVAL



C-781A_Demo.dgn	USER NAME = oster-00585	DESIGNED - m. hoyen	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOWMAN AVE - REMOVAL PLANS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / 1" =	DRAWN - dj. pop	REVISED -			7045	09-00334-02-PV	VERMILION	64	19
	PLOT DATE = 02/18/2014	CHECKED - m. hoyen	REVISED -			C-95-330-13		CONTRACT NO. 91494		
		DATE - 02/18/2014	REVISED -		SCALE: 1"=50'	SHEET NO. 1 OF 2 SHEETS		STA. 21+00.00 TO STA. 51+00.00		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT



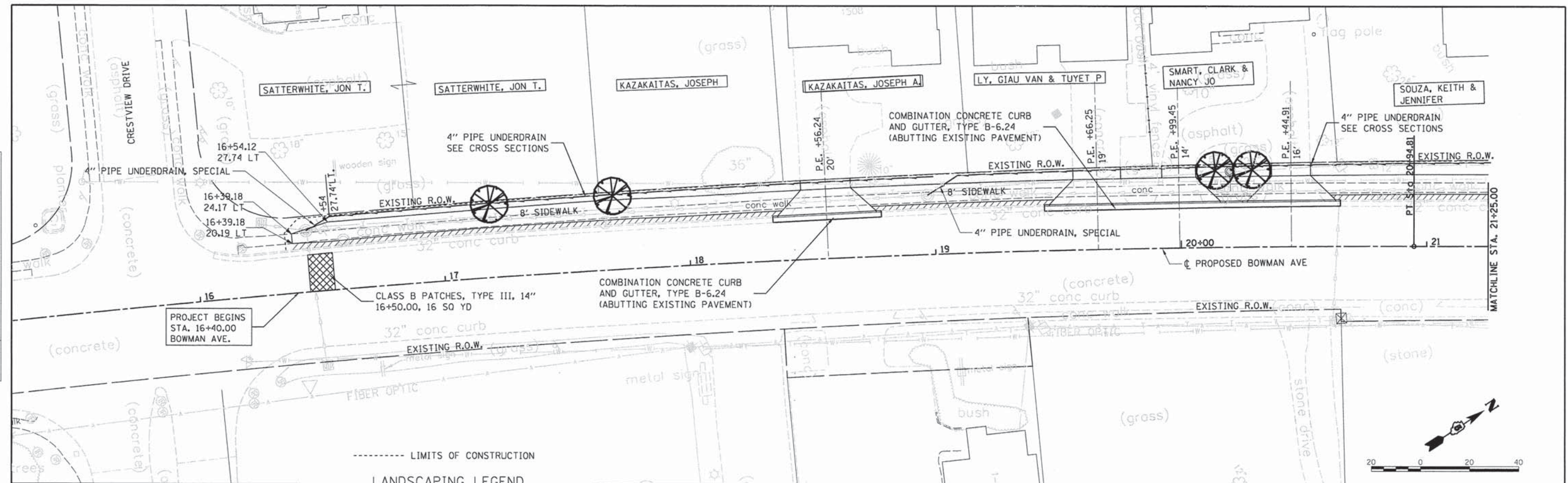
NOTES:  
 HOT-MIX ASPHALT SURFACE REMOVAL, 6"  
 PCC SURFACE REMOVAL, 0.25"  
 STA. 22+50 TO STA. 58+50  
 SEE ALL REMOVAL SCHEDULES

REMOVAL LEGEND - (SEE SCHEDULES)	
	ASPHALT PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	LINEAR REMOVAL ITEMS
	REMOVAL ITEM (EACH)
	PIPE CULVERT REMOVAL

FILE NAME = C-702A_Demo.dgn	USER NAME = oster00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOWMAN AVE - REMOVAL PLANS</b>	F.A. RTE. = 7045	SECTION = 09-00334-02-PV	COUNTY = VERMILION	TOTAL SHEETS = 64	SHEET NO. = 20	
PLOT SCALE = 50.0000' / 1in.	CHECKED - m. heyen	REVISED -	SCALE: 1"=50'			SHEET NO. 2 OF 2 SHEETS	STA. 51+00.00 TO STA. 61+00.00	C-95-330-13		CONTRACT NO. 91494	
PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -	ILLINOIS FED. AID PROJECT								

PLAN	SURVEYED	DATE
	PLOTTED	DATE
NOTE BOOK	CHECKED	BY
	NO.	BY
PROJECT	CHECKED	DATE
	NO.	DATE

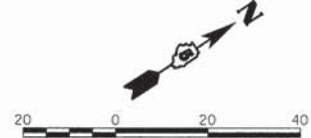
PROFILE	SURVEYED	DATE
	PLOTTED	DATE
NOTE BOOK	CHECKED	BY
	NO.	BY
STRUCTURE	CHECKED	DATE
	NO.	DATE



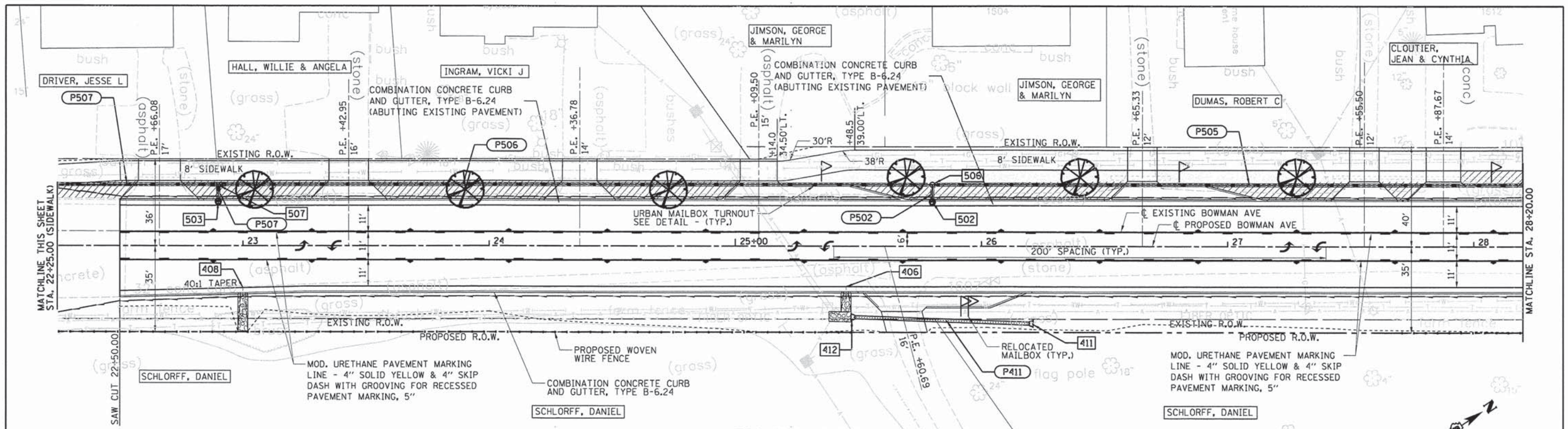
----- LIMITS OF CONSTRUCTION

LANDSCAPING LEGEND  
SEE LANDSCAPING SCHEDULE FOR TYPE, SIZE AND LOCATION

- PROPOSED DECIDUOUS TREE (TYP.)
- PROPOSED PERENNIAL PLANTS, CREEPING LILY TURF (12" O.C.) AND CEASAR'S BROTHER SIBERIAN IRIS (24" O.C.)
- PROPOSED PERENNIAL PLANTS, STELLA DE ORO DAYLILY (15" O.C.) AND DRAGON'S BLOOD STONECROP (24" O.C.)
- PROPOSED PERENNIAL PLANTS, LITTLE KITTEN SILVER GRASS (24" O.C.)

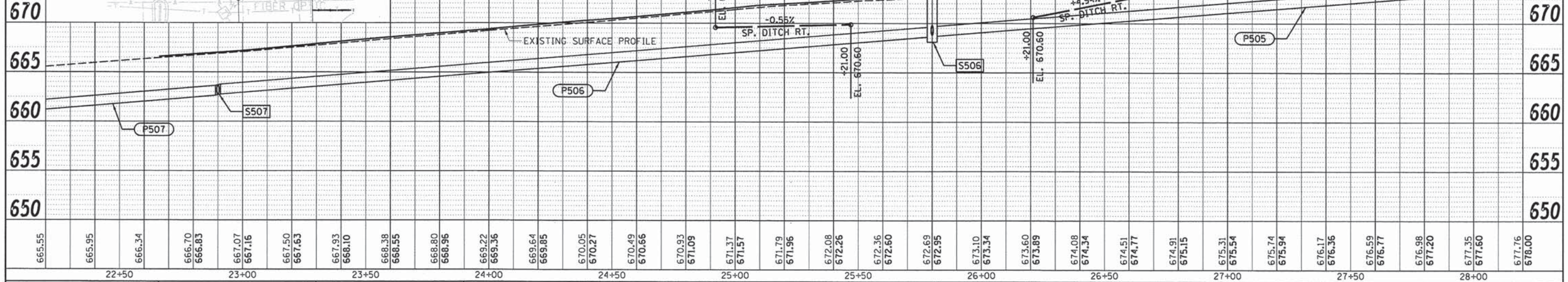
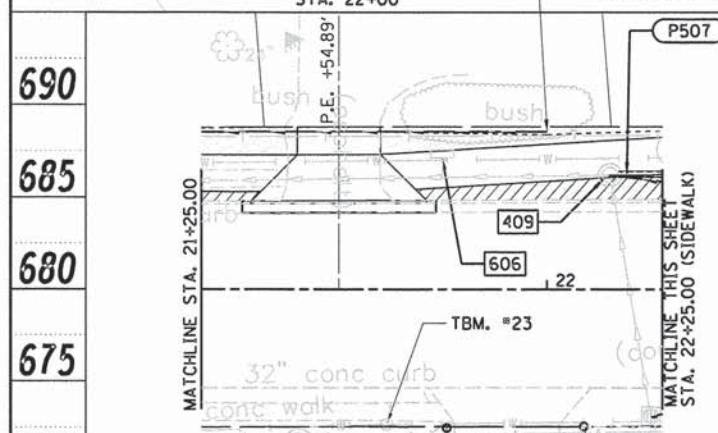


FILE NAME = c:\700.bowman.dgn	USER NAME = aster-20605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOWMAN AVE - PLAN AND PROFILE</b>	F.A.U. RTE. 7045	SECTION 09-00334-02-PV	COUNTY VERMILION	TOTAL SHEETS 64	SHEET NO. 21
PLOT SCALE = 28,0000' / in.	CHECKED - m. heyen	DATE - 02/18/2014	REVISED -			SCALE: 1"=20'	SHEET NO. 1 OF 8 SHEETS	STA. 16+00.00 TO STA. 22+50.00	CONTRACT NO. 91494	ILLINOIS FED. AID PROJECT
PLOT DATE = 02/26/2014	DATE - 02/18/2014	REVISED -								



**LANDSCAPING LEGEND**  
 SEE LANDSCAPING SCHEDULE  
 FOR TYPE, SIZE AND LOCATION

- PROPOSED DECIDUOUS TREE (TYP.)
- PROPOSED PERENNIAL PLANTS, CREEPING LILY TURF (12" O.C.) AND CEASAR'S BROTHER SIBERIAN IRIS (24" O.C.)
- PROPOSED PERENNIAL PLANTS, STELLA DE ORO DAYLILY (15" O.C.) AND DRAGON'S BLOOD STONECROP (24" O.C.)
- PROPOSED PERENNIAL PLANTS, LITTLE KITTEN SILVER GRASS (24" O.C.)

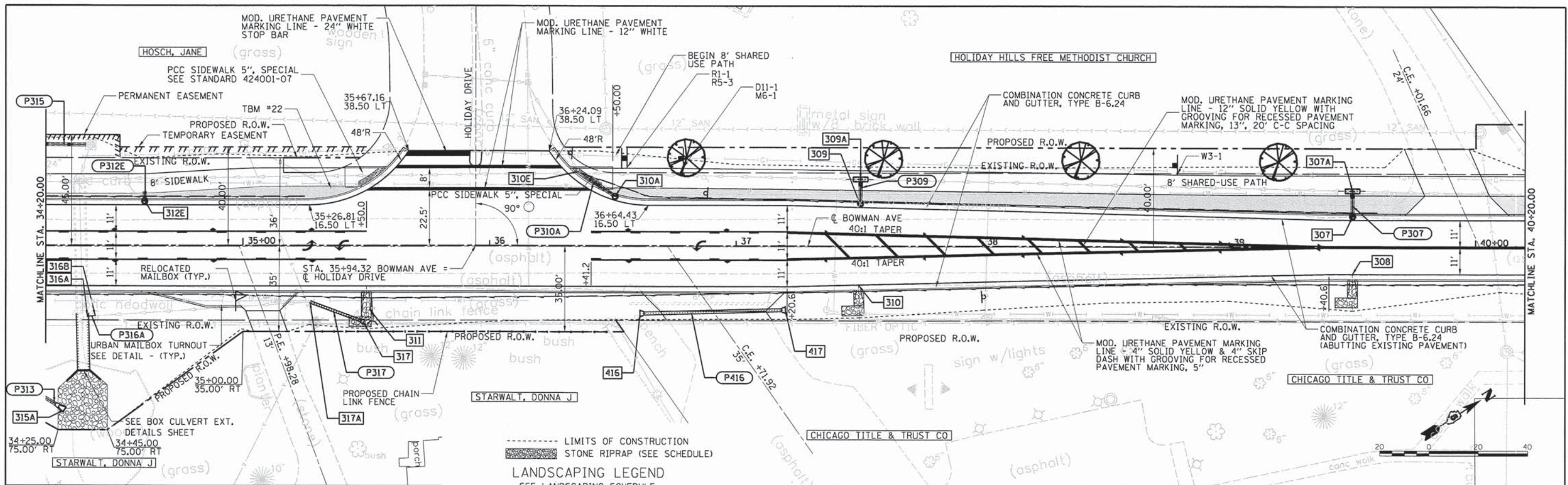


FILE NAME = a-701.bowman.dgn	USER NAME = aster-20605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOWMAN AVE - PLAN AND PROFILE</b>	F.A.I. RTE. 7045	SECTION 09-00334-02-PV	COUNTY VERMILION	TOTAL SHEETS 64	SHEET NO. 22	
PLOT SCALE = 28,8000' / 1"	CHECKED - m. heyen	REVISOR -	DATE = 02/18/2014			REVISOR -	SCALE: 1"=20'	SHEET NO. 2 OF 8 SHEETS	STA. 22+50.00 TO STA. 28+20.00	CONTRACT NO. 91494	ILLINOIS FED. AID PROJECT



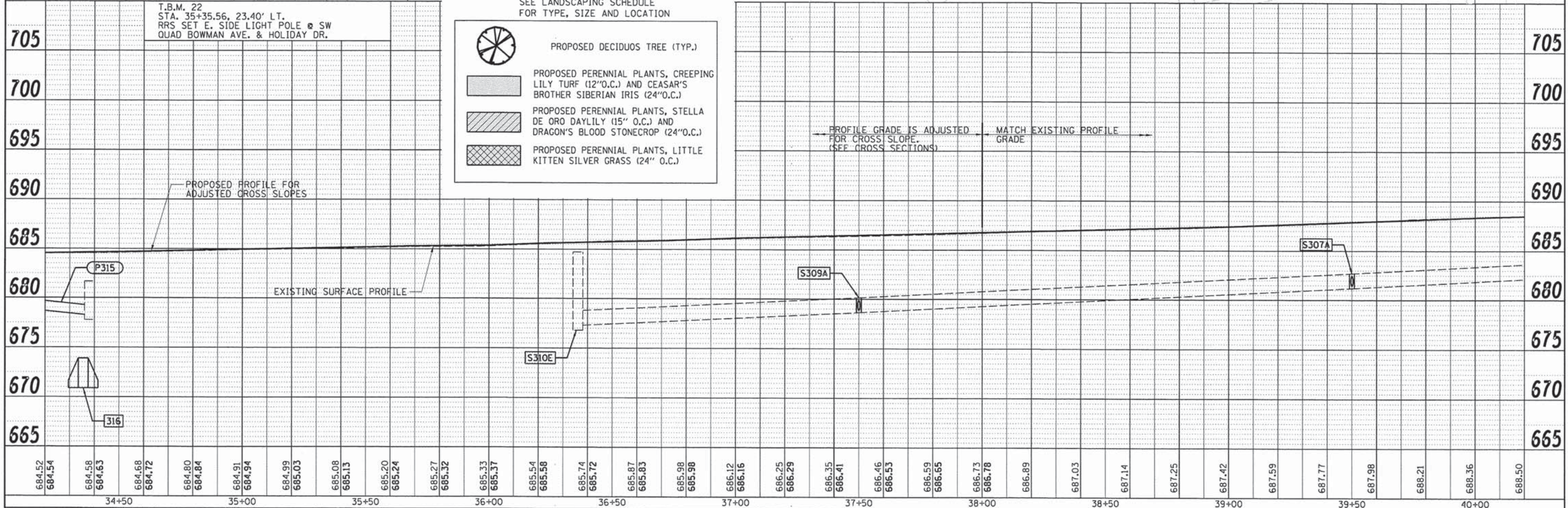
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 PLAN NOTE BOOK NO. \_\_\_\_\_ R.T. OF WAY CHECKED: \_\_\_\_\_  
 HANSON CAD FILE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PROFILE SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_ S.M. NOTED: \_\_\_\_\_  
 HANSON STRUCTURE NOTATIONS: \_\_\_\_\_



----- LIMITS OF CONSTRUCTION  
 [Pattern] STONE RIPRAP (SEE SCHEDULE)  
**LANDSCAPING LEGEND**  
 SEE LANDSCAPING SCHEDULE FOR TYPE, SIZE AND LOCATION

- PROPOSED DECIDUOUS TREE (TYP.)
- PROPOSED PERENNIAL PLANTS, CREEPING LILY TURF (12" O.C.) AND CEASAR'S BROTHER SIBERIAN IRIS (24" O.C.)
- PROPOSED PERENNIAL PLANTS, STELLA DE ORO DAYLILY (15" O.C.) AND DRAGON'S BLOOD STONECROP (24" O.C.)
- PROPOSED PERENNIAL PLANTS, LITTLE KITTEN SILVER GRASS (24" O.C.)



684.52 684.54	684.58 684.63	684.68 684.72	684.80 684.84	684.91 684.94	684.99 685.03	685.08 685.13	685.20 685.24	685.27 685.32	685.33 685.37	685.54 685.58	685.74 685.72	685.87 685.83	685.98 685.98	686.12 686.16	686.25 686.29	686.35 686.41	686.46 686.53	686.59 686.65	686.73 686.78	686.89	687.03	687.14	687.25	687.42	687.59	687.77	687.98	688.21	688.36	688.50
34+50		35+00		35+50		36+00		36+50		37+00		37+50		38+00		38+50		39+00		39+50		40+00								
FILE NAME = o-703.bowman.dgn		USER NAME = aster20605		DESIGNED - m. heyen		REVISED -		DRAWN - dj. pop		REVISED -		CHECKED - m. heyen		REVISED -		DATE - 02/18/2014		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION BOWMAN AVE - PLAN AND PROFILE SCALE: 1"=20' SHEET NO. 4 OF 8 SHEETS STA. 34+20.00 TO STA. 40+20.00						F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.				
PLOT SCALE = 20,000' / 1"		PLOT DATE = 02/26/2014		DATE - 02/18/2014		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -		REVISED -								7045 09-00334-02-PV VERMILION 64 24		C-95-330-13 CONTRACT NO. 91494		ILLINOIS FED. AID PROJECT

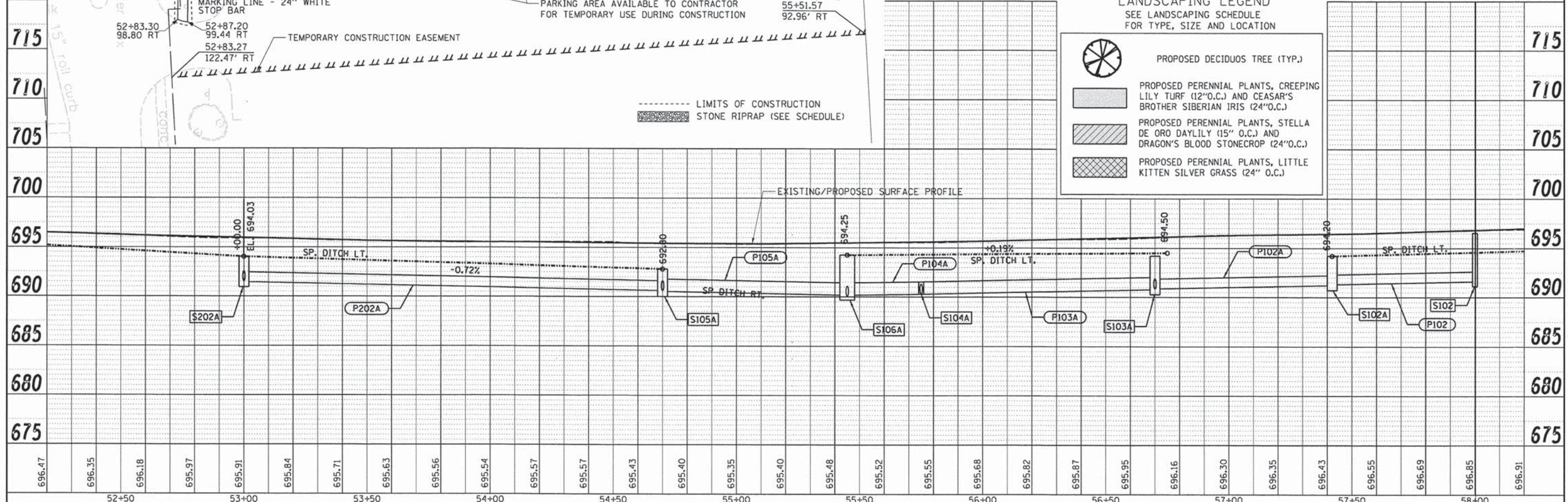
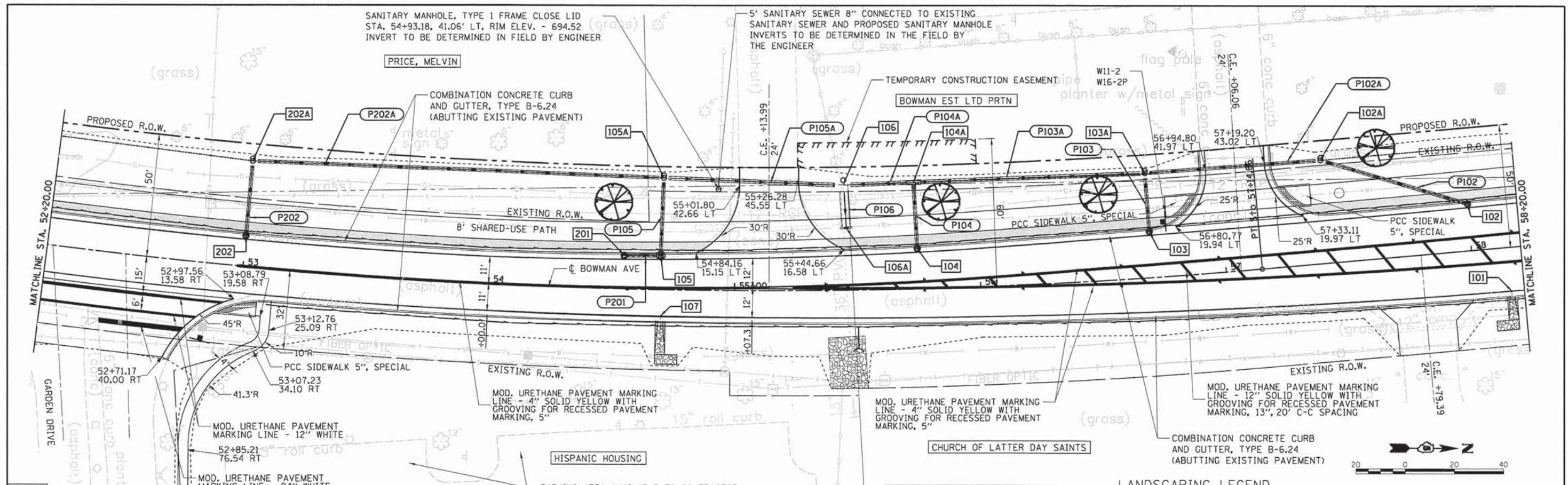






DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_  
 PLAN: \_\_\_\_\_ CHECKED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO. \_\_\_\_\_  
 CADY FILE NAME: \_\_\_\_\_

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



**LANDSCAPING LEGEND**  
 SEE LANDSCAPING SCHEDULE FOR TYPE, SIZE AND LOCATION

- PROPOSED DECIDUOUS TREE (TYP.)
- PROPOSED PERENNIAL PLANTS, CREEPING LILY TURF (12" O.C.) AND CEASAR'S BROTHER SIBERIAN IRIS (24" O.C.)
- PROPOSED PERENNIAL PLANTS, STELLA DE ORO DAYLILY (15" O.C.) AND DRAGON'S BLOOD STONECROP (24" O.C.)
- PROPOSED PERENNIAL PLANTS, LITTLE KITTEN SILVER GRASS (24" O.C.)

FILE NAME = c:\706.bowman.dgn	USER NAME = aster-20685	DESIGNED - m. heyen	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	<b>BOWMAN AVE - PLAN AND PROFILE</b>	F.A.J. RTE. 7045	SECTION 09-00334-02-PV	COUNTY VERMILION	TOTAL SHEETS 64	SHEET NO. 27
PLOT SCALE = 20,0000' / in.	CHECKED - m. heyen	DATE - 02/18/2014	REVISED -	SCALE: 1"=20'	SHEET NO. 7 OF 8 SHEETS	STA. 52+20.00 TO STA. 58+20.00		CONTRACT NO. 91494		ILLINOIS FED. AID PROJECT

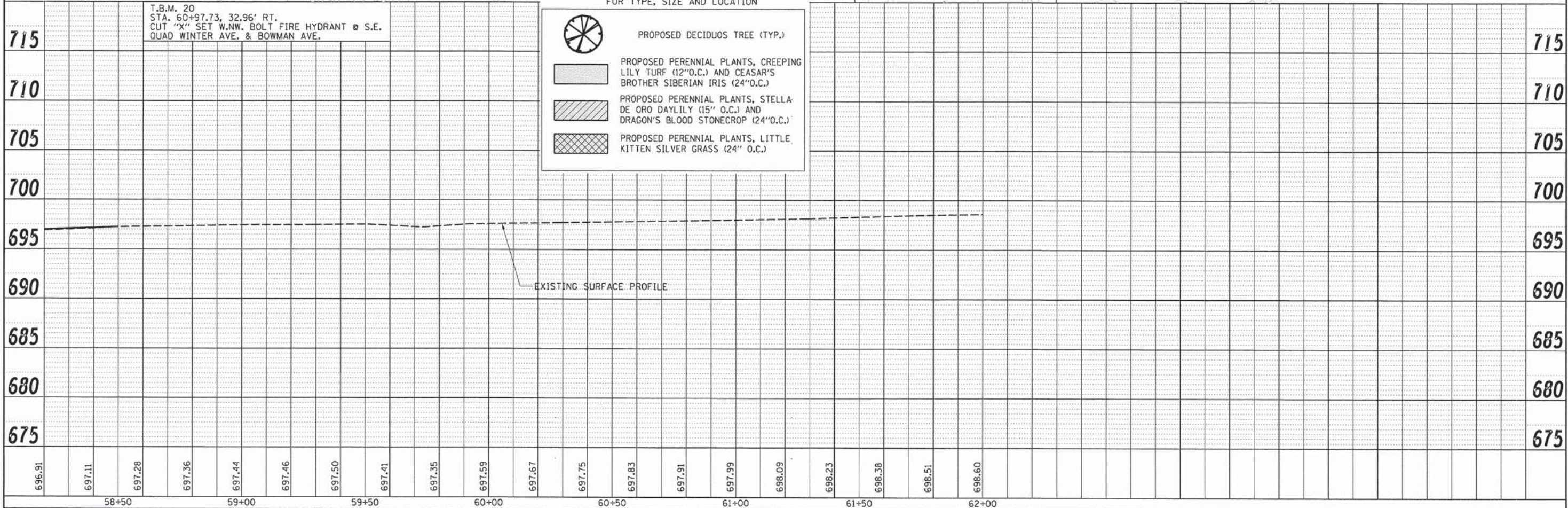
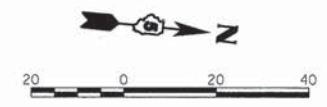
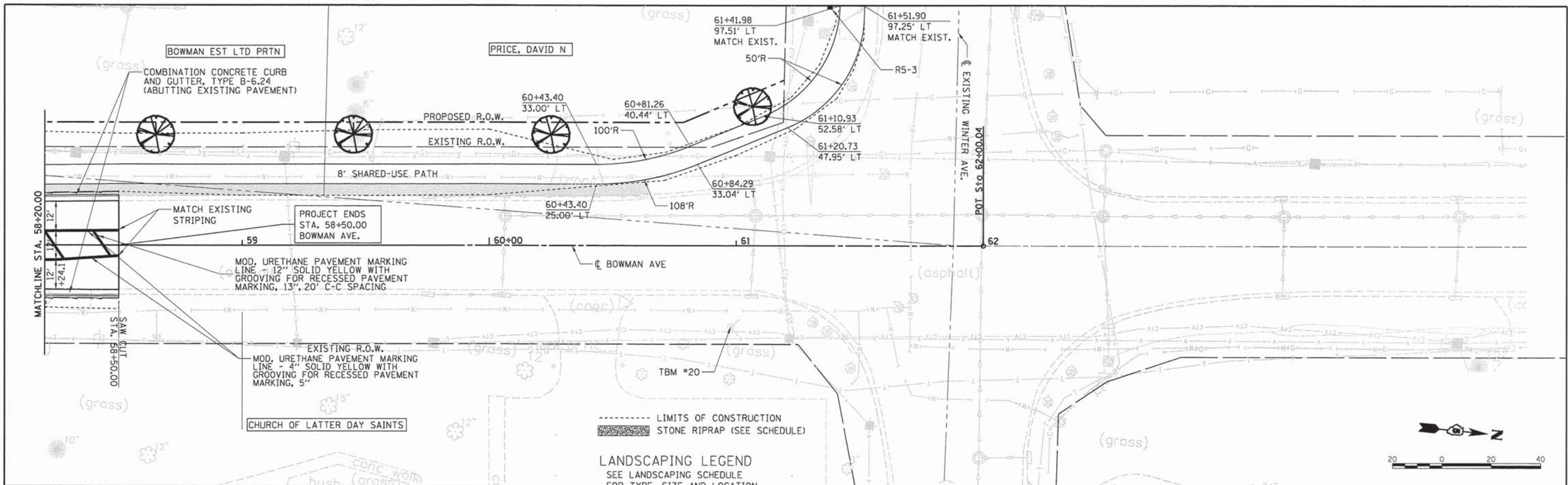
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 DATE: \_\_\_\_\_ BY: \_\_\_\_\_

PLAN  
 SURVEYED \_\_\_\_\_  
 ALIGNED \_\_\_\_\_  
 RT. OF WAY CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_

PROFILE  
 SURVEYED \_\_\_\_\_  
 GRADES CHECKED \_\_\_\_\_  
 S.M. NOTED \_\_\_\_\_  
 STRUCTURE NOTATING CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_

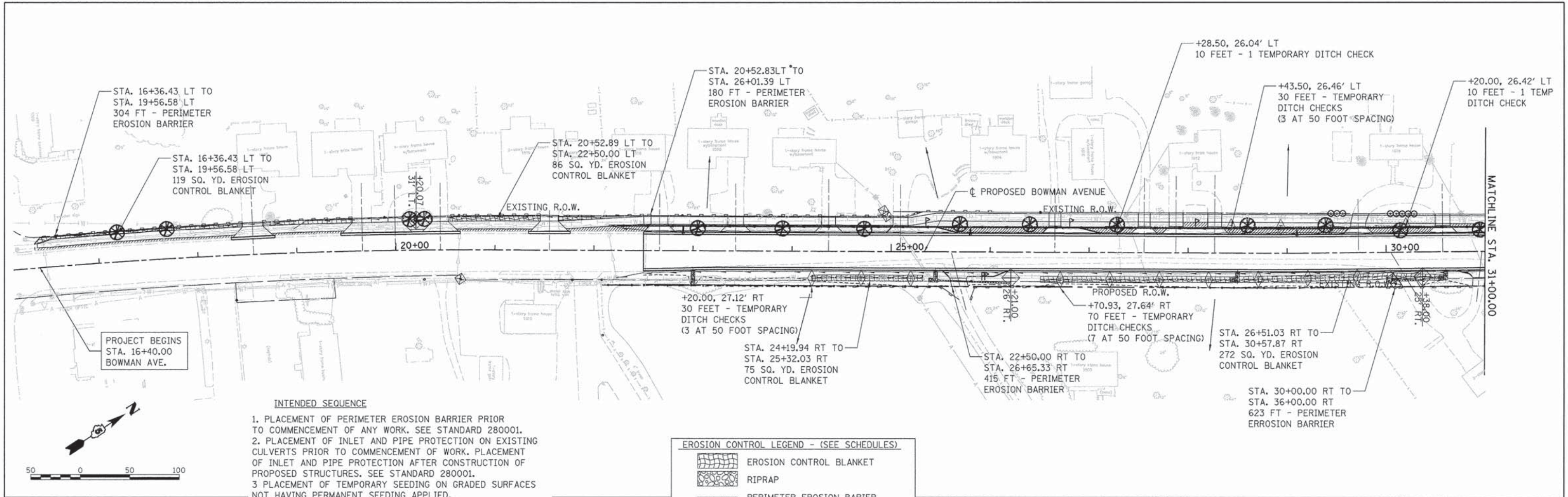


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FILE NAME = c:\707_bowman.dgn	USER NAME = oster00605	DESIGNED - m. heyen	REVISED -
PLLOT SCALE = 28.0000' / 1" =	CHECKED - m. heyen	DATE - 02/18/2014	REVISED -
PLLOT DATE = 02/26/2014			

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BOWMAN AVE - PLAN AND PROFILE	
F.A.U. RTE. 7045	SECTION 09-00334-02-PV	COUNTY VERMILION	TOTAL SHEETS 64
SCALE: 1"=20'		SHEET NO. 8 OF 8 SHEETS	CONTRACT NO. 91494
STA. 58+20.00 TO STA. 58+50.00		ILLINOIS FED. AID PROJECT	



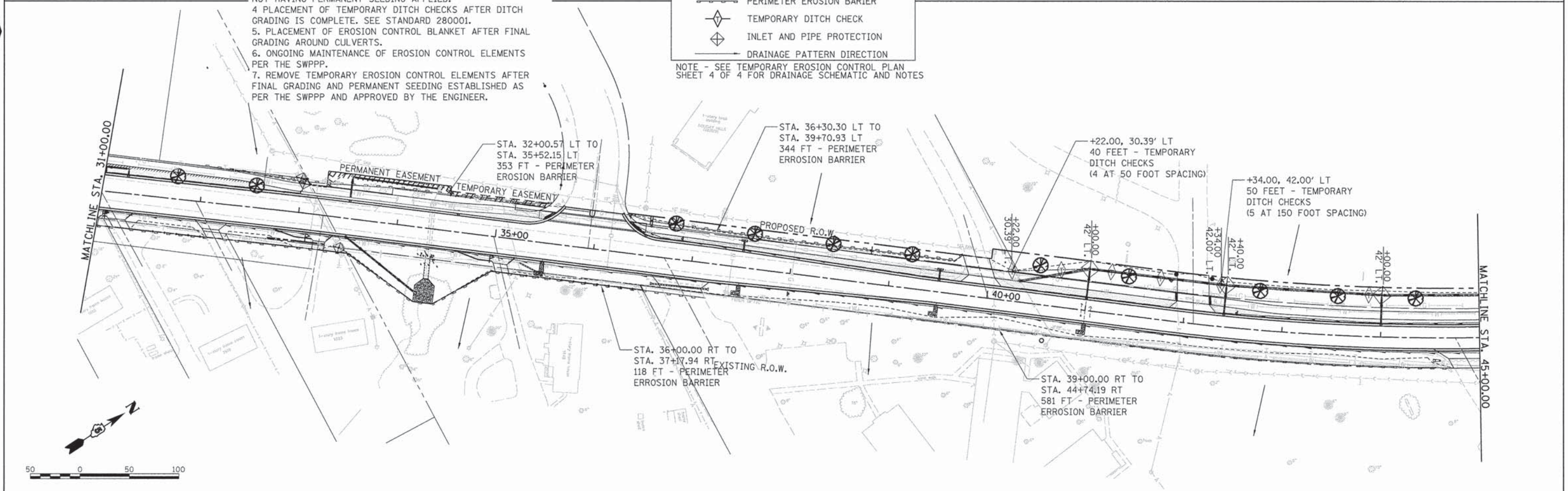
**INTENDED SEQUENCE**

1. PLACEMENT OF PERIMETER EROSION BARRIER PRIOR TO COMMENCEMENT OF ANY WORK. SEE STANDARD 280001.
2. PLACEMENT OF INLET AND PIPE PROTECTION ON EXISTING CULVERTS PRIOR TO COMMENCEMENT OF WORK. PLACEMENT OF INLET AND PIPE PROTECTION AFTER CONSTRUCTION OF PROPOSED STRUCTURES. SEE STANDARD 280001.
3. PLACEMENT OF TEMPORARY SEEDING ON GRADED SURFACES NOT HAVING PERMANENT SEEDING APPLIED.
4. PLACEMENT OF TEMPORARY DITCH CHECKS AFTER DITCH GRADING IS COMPLETE. SEE STANDARD 280001.
5. PLACEMENT OF EROSION CONTROL BLANKET AFTER FINAL GRADING AROUND CULVERTS.
6. ONGOING MAINTENANCE OF EROSION CONTROL ELEMENTS PER THE SWPPP.
7. REMOVE TEMPORARY EROSION CONTROL ELEMENTS AFTER FINAL GRADING AND PERMANENT SEEDING ESTABLISHED AS PER THE SWPPP AND APPROVED BY THE ENGINEER.

**EROSION CONTROL LEGEND - (SEE SCHEDULES)**

- EROSION CONTROL BLANKET
- RIPRAP
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- DRAINAGE PATTERN DIRECTION

NOTE - SEE TEMPORARY EROSION CONTROL PLAN SHEET 4 OF 4 FOR DRAINAGE SCHEMATIC AND NOTES



FILE NAME =	C-701_Erosion.dgn
USER NAME =	oster-00605
DESIGNED -	m. heyen
DRAWN -	dj. pop
PLOT SCALE =	50.0000' / 1" =
PLOT DATE =	02/18/2014

DESIGNED -	m. heyen	REVISED -	
DRAWN -	dj. pop	REVISED -	
CHECKED -	m. heyen	REVISED -	
DATE -	02/18/2014	REVISED -	







**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL NOTES**

SCALE: 1"=50'    SHEET NO. 1 OF 2 SHEETS    STA. 22+25.00 TO STA. 51+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	29
C-95-330-13			CONTRACT NO. 91494	
ILLINOIS FED. AID PROJECT				

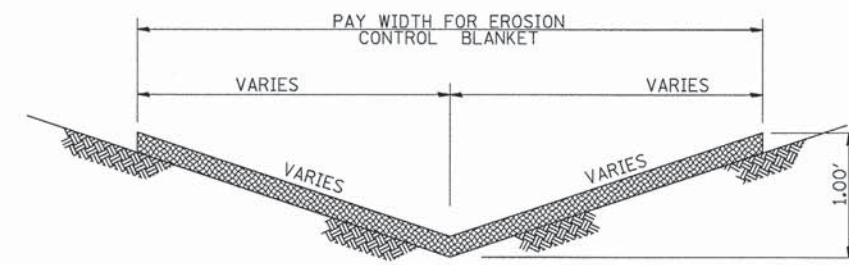
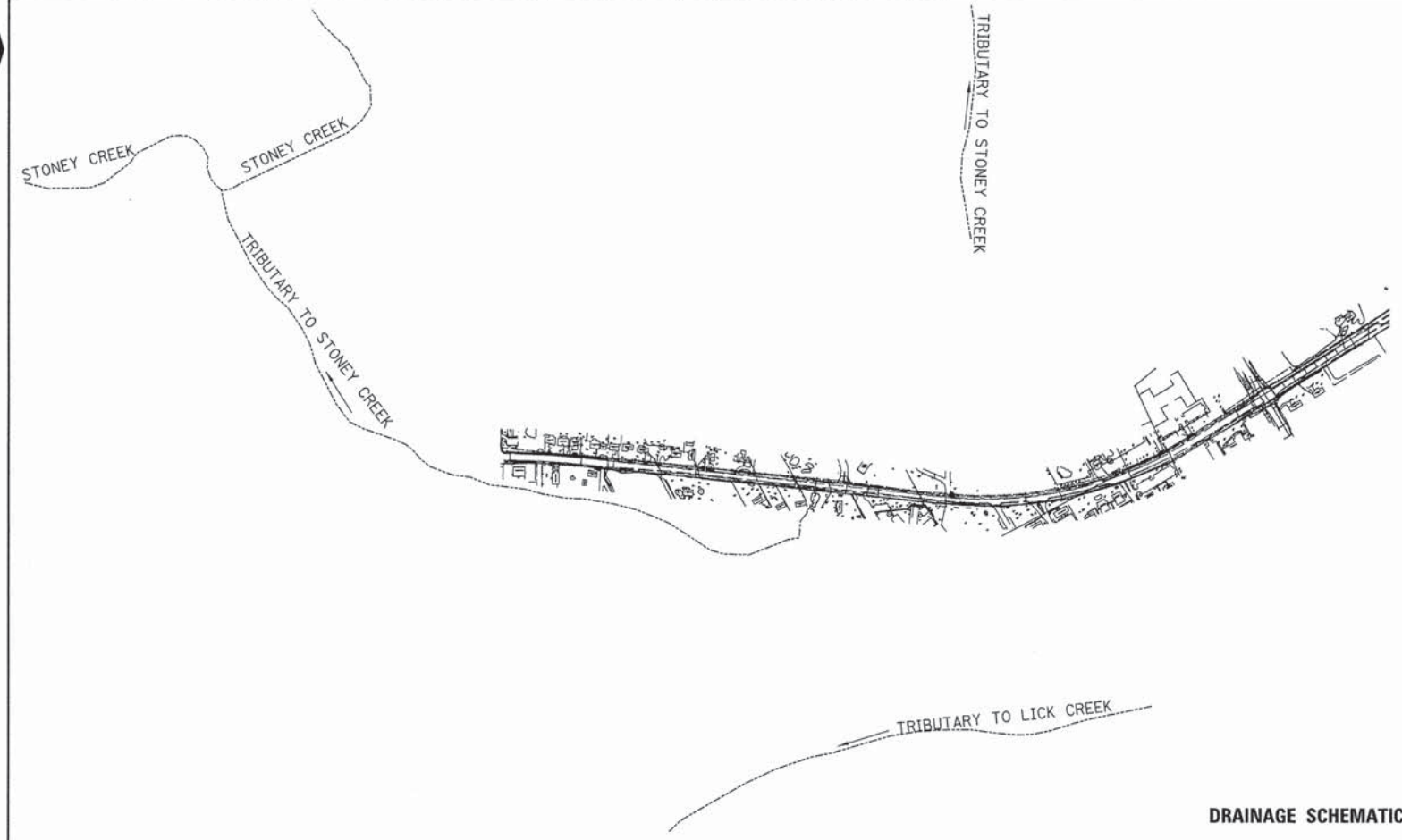
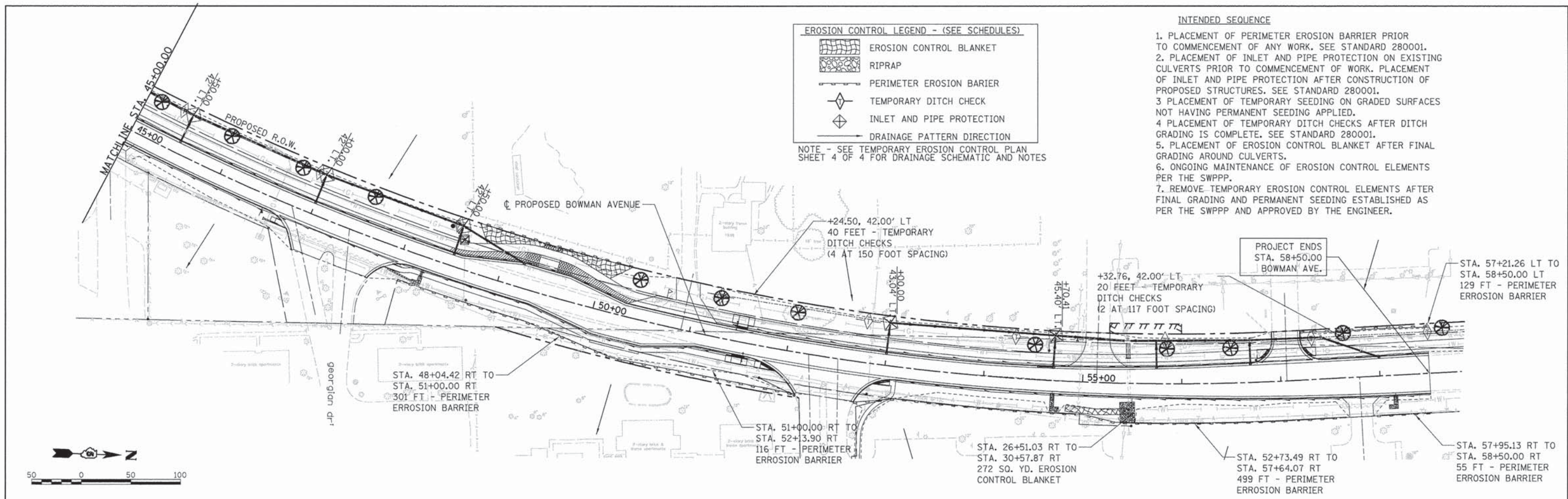
**EROSION CONTROL LEGEND - (SEE SCHEDULES)**

-  EROSION CONTROL BLANKET
-  RIPRAP
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION
-  DRAINAGE PATTERN DIRECTION

NOTE - SEE TEMPORARY EROSION CONTROL PLAN SHEET 4 OF 4 FOR DRAINAGE SCHEMATIC AND NOTES

**INTENDED SEQUENCE**

1. PLACEMENT OF PERIMETER EROSION BARRIER PRIOR TO COMMENCEMENT OF ANY WORK. SEE STANDARD 280001.
2. PLACEMENT OF INLET AND PIPE PROTECTION ON EXISTING CULVERTS PRIOR TO COMMENCEMENT OF WORK. PLACEMENT OF INLET AND PIPE PROTECTION AFTER CONSTRUCTION OF PROPOSED STRUCTURES. SEE STANDARD 280001.
3. PLACEMENT OF TEMPORARY SEEDING ON GRADED SURFACES NOT HAVING PERMANENT SEEDING APPLIED.
4. PLACEMENT OF TEMPORARY DITCH CHECKS AFTER DITCH GRADING IS COMPLETE. SEE STANDARD 280001.
5. PLACEMENT OF EROSION CONTROL BLANKET AFTER FINAL GRADING AROUND CULVERTS.
6. ONGOING MAINTENANCE OF EROSION CONTROL ELEMENTS PER THE SWPPP.
7. REMOVE TEMPORARY EROSION CONTROL ELEMENTS AFTER FINAL GRADING AND PERMANENT SEEDING ESTABLISHED AS PER THE SWPPP AND APPROVED BY THE ENGINEER.



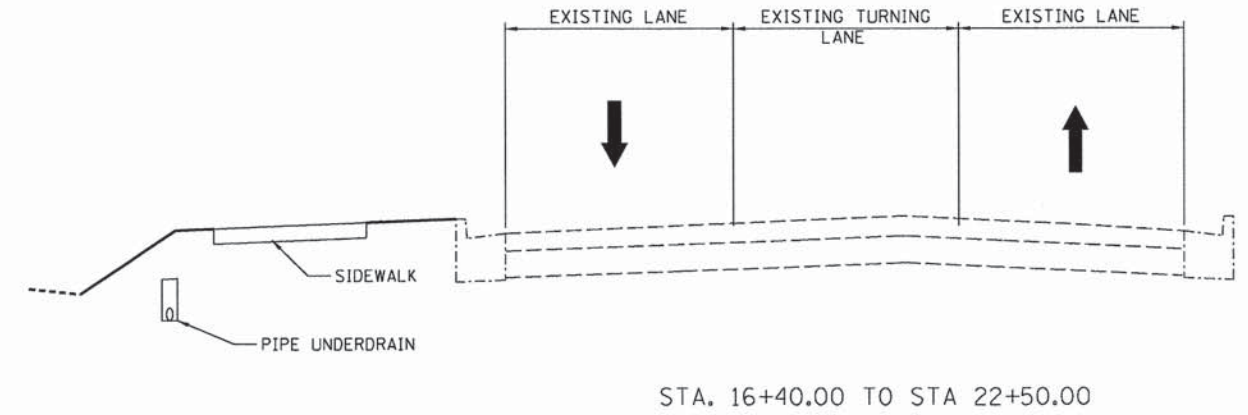
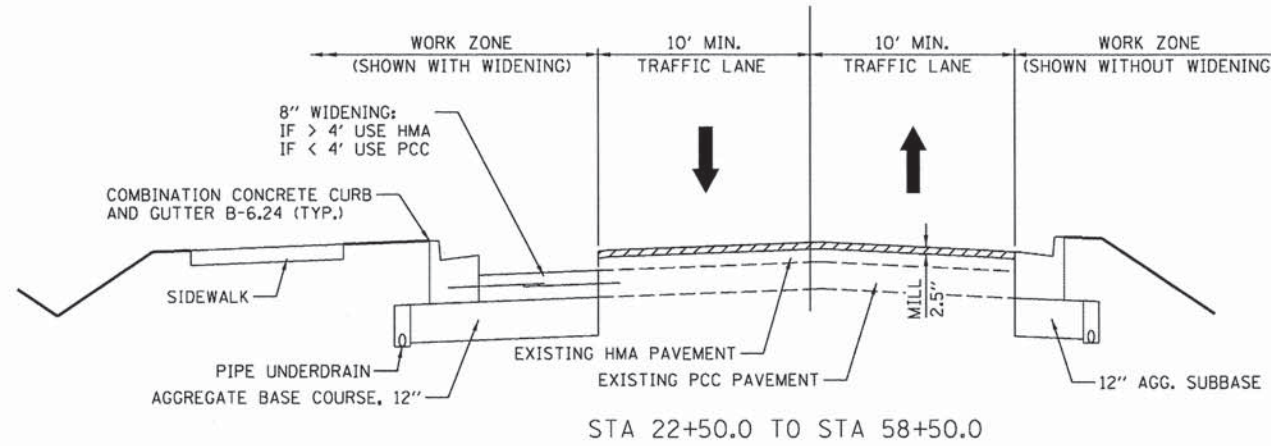
**TYPICAL EROSION CONTROL BLANKET LINING**  
SEE CROSS SECTIONS FOR DITCH WIDTHS AND SLOPES

- NOTES**
1. MAJOR GRADING SLOPES ALONG THE PROPOSED ROADWAY ARE 3:1 MAX, WITH ISOLATED LOCATIONS STEEPER THAN 3:1.
  2. SOILS DISTURBANCE SHALL ONLY OCCUR WITHIN THE AREAS SHOWN
  3. RECEIVING WATER FOR DRAINAGE FROM PROJECT IS STONEY CREEK. STONEY CREEK IS A TRIBUTARY OF THE VERMILION RIVER.

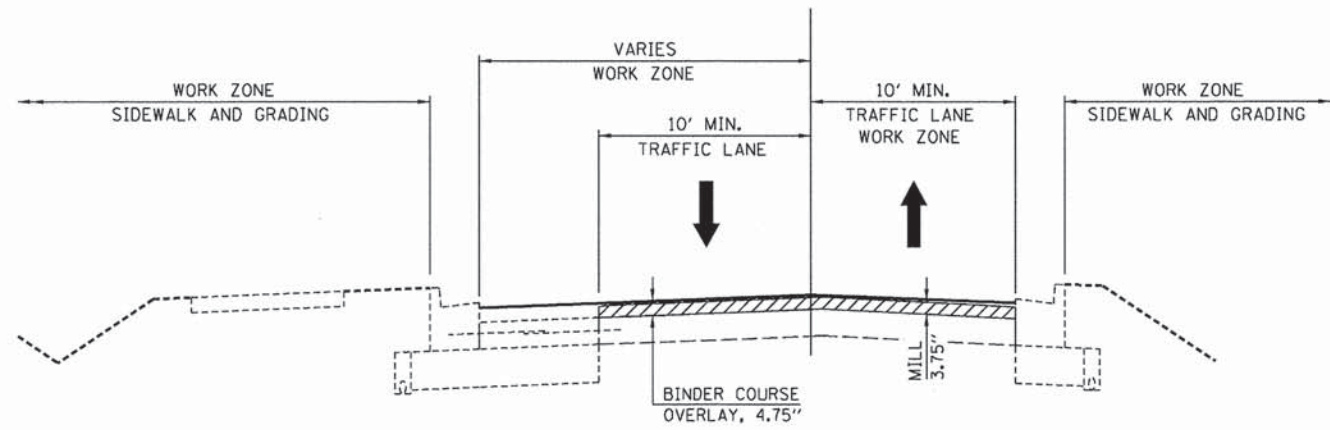
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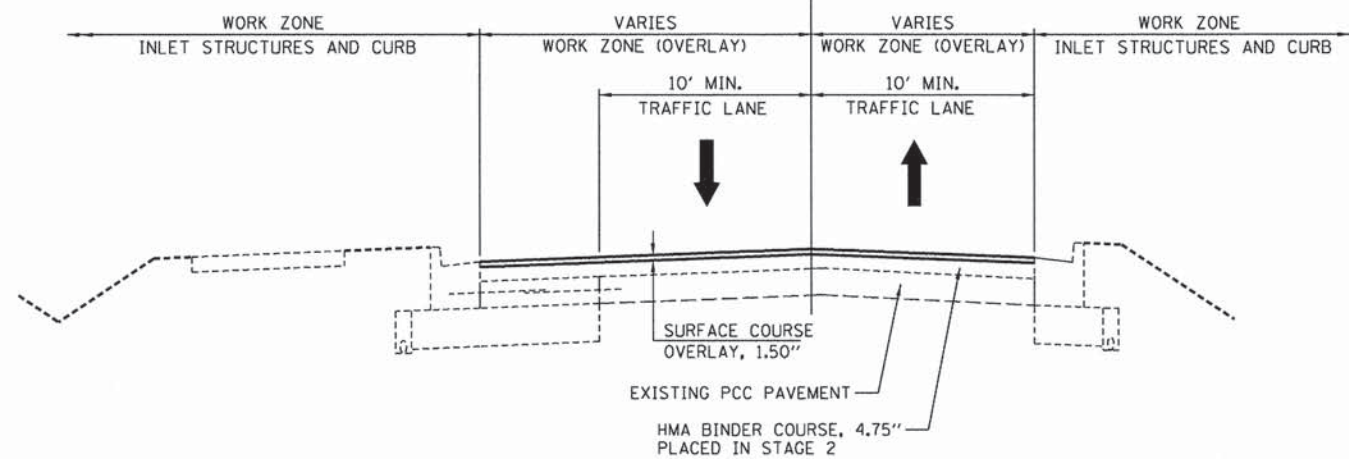
FILE NAME = C:\782.Erosion.dgn	USER NAME = oster00605	DESIGNED - m. hoyen	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOWMAN AVE - EROSION CONTROL</b>	F.A. RTE. 7045	SECTION 09-00334-02-PV	COUNTY VERMILION	TOTAL SHEETS 64	SHEET NO. 30	
PLOT SCALE = 50.0000' / 1"	CHECKED - m. hoyen	REVISIED -	SCALE: 1"=50'			SHEET NO. 2 OF 2 SHEETS	STA. 51+00.00 TO STA. 59+00.00	C-95-330-13		CONTRACT NO. 91494	
PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISIED -	ILLINOIS FED. AID PROJECT								



STAGE 1



STAGE 2



STAGE 3

**NOTE:**  
 ALL ENTRANCES WILL BE STAGED TO KEEP A PORTION OF THE ENTRANCE AND MAILBOX ACCESS OPEN TO TRAFFIC AT ALL TIMES. IF REMOVAL OF ENTRANCE IS NECESSARY, AGGREGATE FOR TEMPORARY ACCESS CAN BE PLACED TO KEEP ENTRANCE OPEN UNTIL PROPOSED ENTRANCE IS COMPLETED.  
 ALL PAVEMENT PATCHES WILL BE COMPLETED BEFORE STAGING IN ORDER TO ALLOW TRAFFIC TO SETTLE THEM PRIOR TO PAVING.

**STAGE 1 WORK:**

STA. 22+50 TO 58+50:  
 STORM SEWER WORK THAT IS OUTSIDE OF THE ROADWAY.  
 EXCAVATION OUTSIDE OF EOP TO PLACE AGG. BASE COURSE FOR CURB AND WIDENING.  
 MILL 2.5" OF EXISTING HMA PAVEMENT.  
 PLACING CURB AND GUTTER, GAPPING AREAS WITH INLET STRUCTURES (SEE EROSION CONTROL PLANS FOR EROSION CONTROL AT THESE AREAS).  
 PLACING HMA OR PCC WIDENING.

PLACE TEMPORARY PAVEMENT MARKING AFTER MILLING.

STA 16+39.2 TO 58+50:  
 INSTALLING PIPE UNDERDRAINS.  
 CONSTRUCT SHARED USE PATH AND SIDEWALKS.  
 GRADING AND SWALE CONSTRUCTION

SEE STANDARDS 701001, 701006, 701011, 701301 & 701501 FOR ADVANCED WARNING SIGNS AND SINGLE LANE CLOSURE. LANE CLOSURE DURING DAYTIME HOURS ONLY. BOTH LANES WILL BE OPEN DURING NON-WORK TIMES.

**STAGE 2 WORK:**

MILL THE REMAINING HMA PAVEMENT IN MAXIMUM INCREMENTS OF 2.5" AND .25" OF PCC - 3.75" DEPTH, OVERLAY 4.75" OF BINDER WITH 2 LIFTS.  
 CONTRACTOR SHALL STAGE WORK SO THAT EXISTING CONCRETE IS EXPOSED FOR NO MORE THAN 24 HOURS.

PLACE SHORT-TERM PAVEMENT MARKING AFTER MILLING.  
 PLACE TEMPORARY PAVEMENT MARKING ON FINAL LIFT OF BINDER.

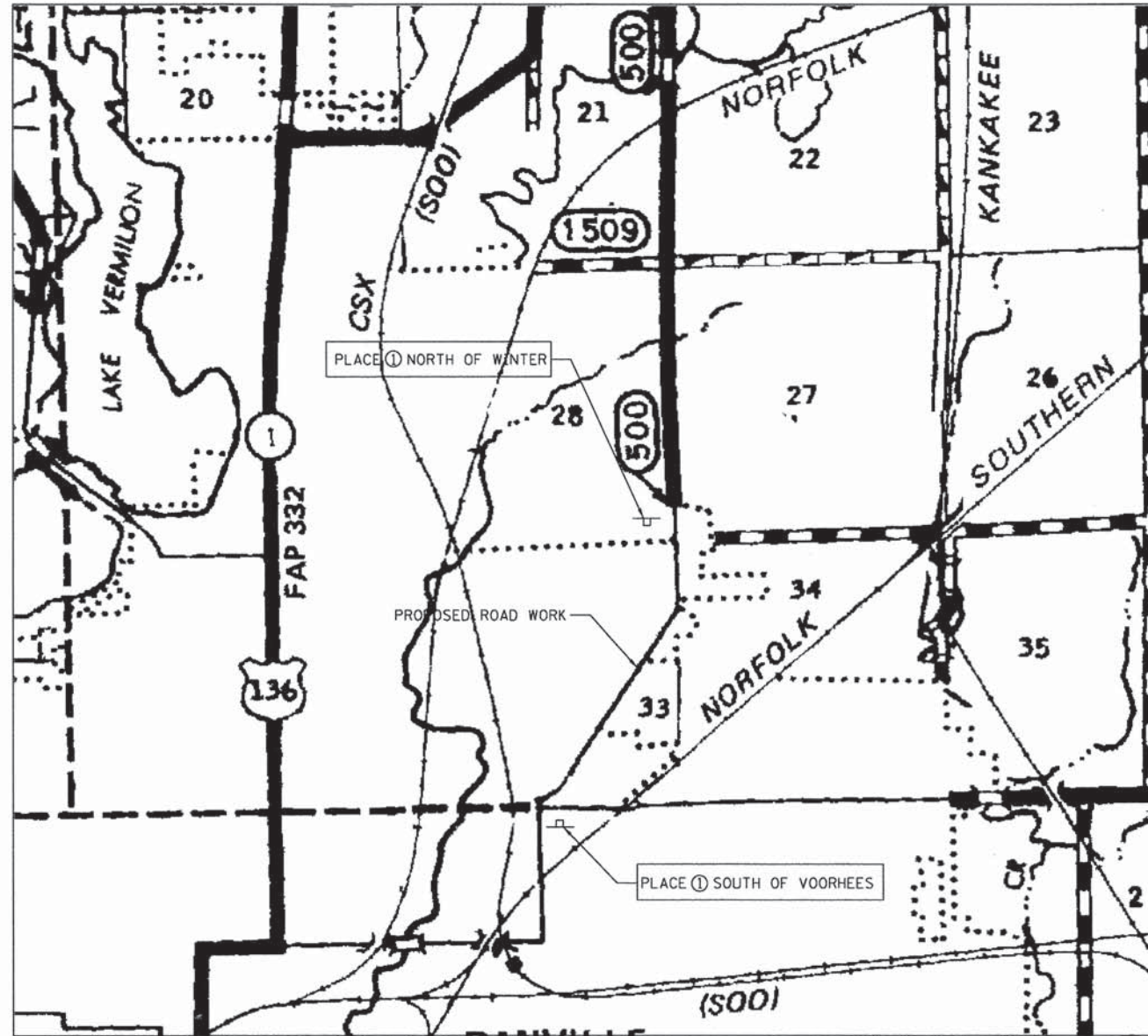
SEE STANDARDS 701001, 701006, 701011, 701301 & 701501 FOR ADVANCED WARNING SIGNS AND SINGLE LANE CLOSURE. LANE CLOSURE DURING DAYTIME HOURS ONLY. BOTH LANES WILL BE OPEN DURING NON-WORK TIMES.

**STAGE 3 WORK:**

POUR CURB AND GUTTER AT INLET AREAS  
 APPLY FINAL LIFT OF SURFACE COURSE - 1.50"  
 PAVEMENT MARKINGS

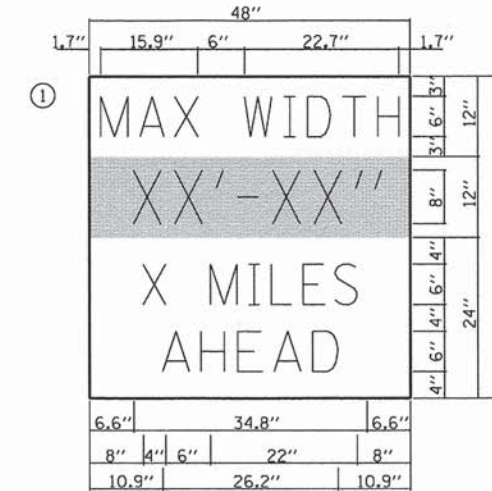
SEE STANDARDS 701001, 701006, 701011, 701301 & 701501 FOR ADVANCED WARNING SIGNS AND SINGLE LANE CLOSURE. LANE CLOSURE DURING DAYTIME HOURS ONLY. BOTH LANES WILL BE OPEN DURING NON-WORK TIMES.

C-582.txd.dgn	USER NAME = oster-00605	DESIGNED - r. Johnson	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TRAFFIC CONTROL AND STAGING</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10.0000' / in.	DRAWN - r. Johnson	REVISED -					7045	09-00334-02-PV	VERMILION	64	31
	PLOT DATE = 02/18/2014	CHECKED - m. heyen	REVISED -					C-95-330-13		CONTRACT NO.		91494
		DATE - 02/18/2014	REVISED -					SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



**DETOUR SIGNING PLAN**

**SIGN LEGEND**



**W12-1103**

W12-1103 (WIDTH IS 8D):  
 NO BORDER, BLACK ON WHITE;  
 "MAX WIDTH" D;  
 NO BORDER, BLACK ON ORANGE;  
 "XX'-XX'" D;  
 NO BORDER, BLACK ON WHITE;  
 "X MILES" D; "AHEAD" D



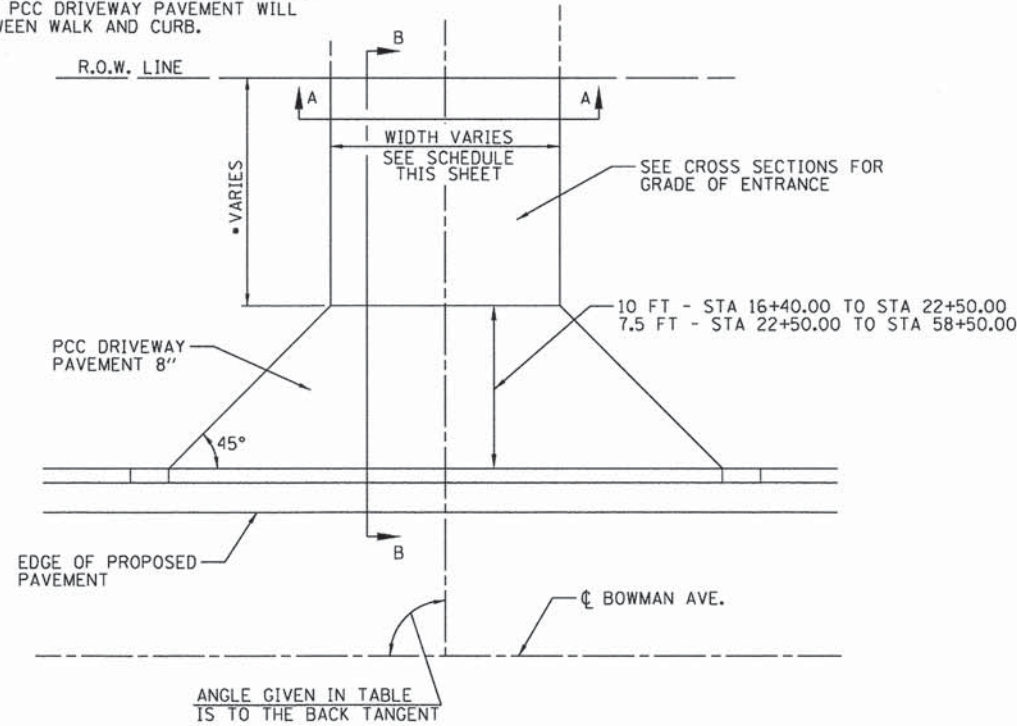
**DETOUR NOTES:**

1. THE CONTRACTOR SHALL FURNISH THE POSTS AND ERECT THE SIGNS AT THE LOCATIONS AS DIRECTED BY THE ENGINEER, ALL SIGNS SHALL BE POST MOUNTED.
2. THE ABOVE NOTED WORK, INCLUDING SIGNS, POSTS, HARDWARE, AND LABOR SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE, EACH, FOR TRAFFIC CONTROL AND PROTECTION, STD 701301 AND NO OTHER COMPENSATION WILL BE ALLOWED.
3. THE WIDTH SHOWN ON THE W12-1103 SIGN DURING BOWMAN AVE. CONTRSTRUCTION SHALL BE 10'-0" OR AS DIRECTED BY THE ENGINEER. THE "X" MILES AHEAD WILL BE DETERMINED BY THE ENGINEER.

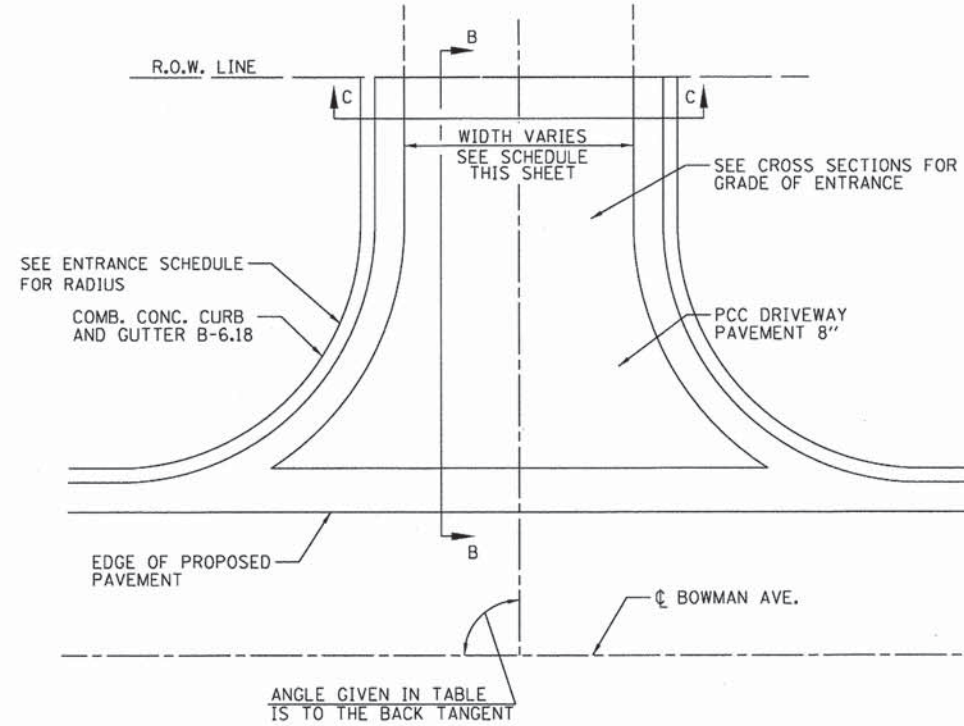
C-501.Det-WL.dgn	USER NAME = oster-00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MISCELLANEOUS DETAILS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0001' / in.	DRAWN - r. Johnson	REVISED -					7045	09-00334-02-PV	VERMILION	64	32
	PLOT DATE = 02/18/2014	CHECKED - m. heyen	REVISED -		SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.			C-95-330-13		CONTRACT NO. 91494		
		DATE - 02/18/2014	REVISED -					ILLINOIS FED. AID PROJECT				



• SEE ENTRANCE SCHEDULE FOR MATERIAL. IF SHARED-USE PATH OR SIDEWALK IS PRESENT, MATERIAL SHOWN IN SCHEDULE STARTS OUTSIDE OF THE WALK. PCC DRIVEWAY PAVEMENT WILL BE USED BETWEEN WALK AND CURB.

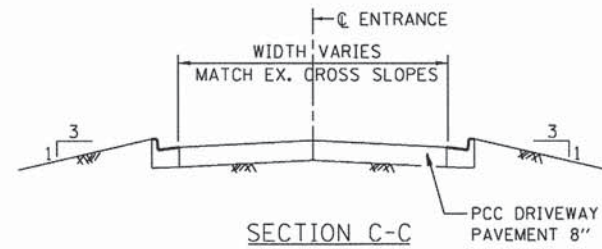


FLARED PRIVATE AND COMMERCIAL ENTRANCE DETAIL

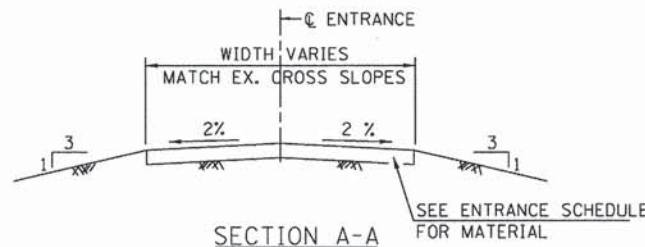


COMMERCIAL ENTRANCE WITH CURB DETAIL

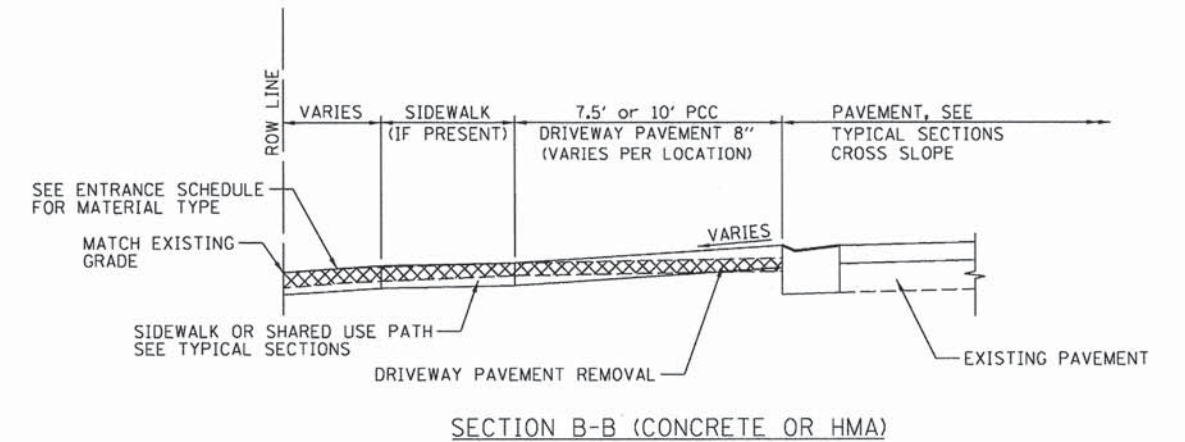
ENTRANCE SCHEDULES							
LOCATION							
ROADWAY	STATION	LT/RT	ANGLE	F.E./P.E./C.E.	WIDTH/MATERIAL	FLARED/RADIUS	
BOWMAN AVE.	18+56.24	LT	90°	P.E.	20' CONCRETE	FLARED	
BOWMAN AVE.	19+66.25	LT	90°	P.E.	19' CONCRETE	FLARED	
BOWMAN AVE.	19+99.45	LT	90°	P.E.	14' CONCRETE	FLARED	
BOWMAN AVE.	20+44.91	LT	90°	P.E.	16' CONCRETE	FLARED	
BOWMAN AVE.	21+54.89	LT	90°	P.E.	18' CONCRETE	FLARED	
BOWMAN AVE.	22+66.08	LT	90°	P.E.	17' CONCRETE	FLARED	
BOWMAN AVE.	23+42.95	LT	90°	P.E.	16' CONCRETE	FLARED	
BOWMAN AVE.	24+36.78	LT	90°	P.E.	14' CONCRETE	FLARED	
BOWMAN AVE.	25+08.50	LT	90°	P.E.	15' CONCRETE	FLARED	
BOWMAN AVE.	25+60.69	RT	75° 29' 26"	P.E.	16' AGGREGATE	FLARED	
BOWMAN AVE.	26+65.33	LT	90°	P.E.	12' CONCRETE	FLARED	
BOWMAN AVE.	27+55.50	LT	90°	P.E.	12' CONCRETE	FLARED	
BOWMAN AVE.	27+87.67	LT	90°	P.E.	14' CONCRETE	FLARED	
BOWMAN AVE.	28+26.78	LT	90°	P.E.	14' CONCRETE	FLARED	
BOWMAN AVE.	29+72.08	LT	90°	P.E.	15' CONCRETE	FLARED	
BOWMAN AVE.	30+04.62	RT	120° 37' 21"	P.E.	15' AGGREGATE	FLARED	
BOWMAN AVE.	30+57.29	LT	90°	P.E.	15' CONCRETE	FLARED	
BOWMAN AVE.	30+96.77	RT	83° 22' 46"	P.E.	12' AGGREGATE	FLARED	
BOWMAN AVE.	30+98.93	RT	125° 00' 19"	P.E.	14' AGGREGATE	FLARED	
BOWMAN AVE.	31+95.20	RT	123° 45' 50"	P.E.	14' AGGREGATE	FLARED	
BOWMAN AVE.	33+24.92	RT	87° 04' 41"	P.E.	12' AGGREGATE	FLARED	
BOWMAN AVE.	34+98.28	RT	110° 09' 14"	P.E.	13' AGGREGATE	FLARED	
BOWMAN AVE.	36+71.92	RT	125° 07' 53"	C.E.	35' CONCRETE	FLARED	
BOWMAN AVE.	40+01.66	LT	86° 13' 37"	C.E.	24' AGGREGATE	FLARED	
BOWMAN AVE.	42+10.33	LT	83° 18' 51"	C.E.	32' CONCRETE	FLARED	
BOWMAN AVE.	44+75.45	RT	118° 38' 27"	C.E.	32' CONCRETE	FLARED	
BOWMAN AVE.	46+79.03	RT	125° 04' 27"	C.E.	28' HMA	40' W/ B6.18 C&G	
BOWMAN AVE.	47+41.61	RT	106° 16' 45"	C.E.	34' HMA	45' W/ B6.18 C&G	
BOWMAN AVE.	50+98.15	LT	90°	C.E.	24' CONCRETE	FLARED	
BOWMAN AVE.	52+22.27	RT	100° 27' 28"	C.E.	24' HMA	75' W/ B6.18 C&G	
BOWMAN AVE.	52+52.04	RT	97° 46' 44"	C.E.	25' HMA	45' W/ B6.18 C&G	
BOWMAN AVE.	55+13.99	LT	90°	C.E.	24' CONCRETE	30' W/ B6.18 C&G	
BOWMAN AVE.	57+06.06	LT	91° 14' 34"	C.E.	24' CONCRETE	25' W/ B6.18 C&G	
BOWMAN AVE.	57+79.39	RT	90°	C.E.	24' CONCRETE	FLARED	



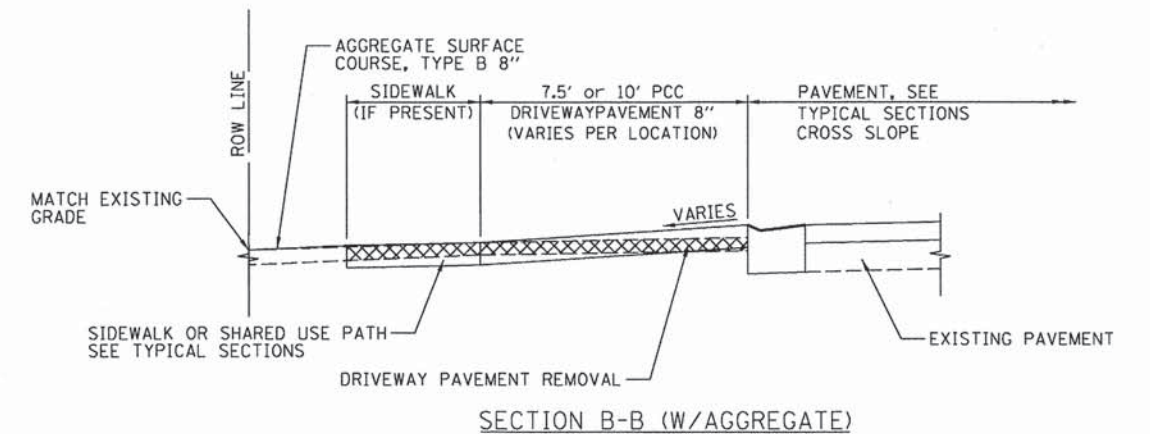
SECTION C-C



SECTION A-A



SECTION B-B (CONCRETE OR HMA)



SECTION B-B (W/AGGREGATE)

C-581.Det-Ent.dgn

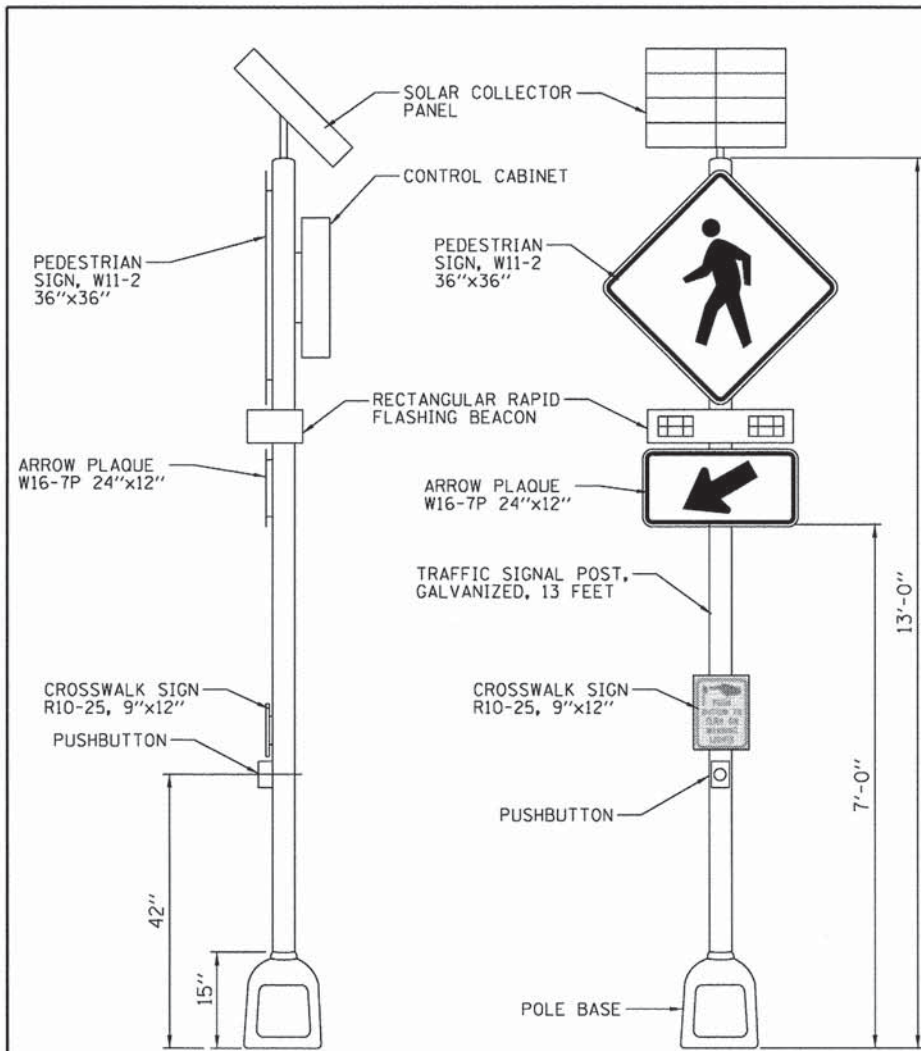
USER NAME = oster08585	DESIGNED - m. heyen	REVISED -
PLOT SCALE = 1/8" = 1' / in.	DRAWN - r. Johnson	REVISED -
PLOT DATE = 02/18/2014	CHECKED - m. heyen	REVISED -
	DATE - 02/18/2014	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

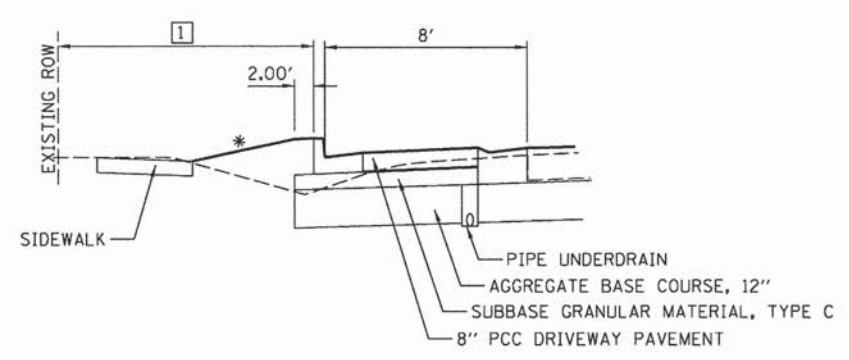
ENTRANCE DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	33
	C-95-330-13		CONTRACT NO. 91494	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



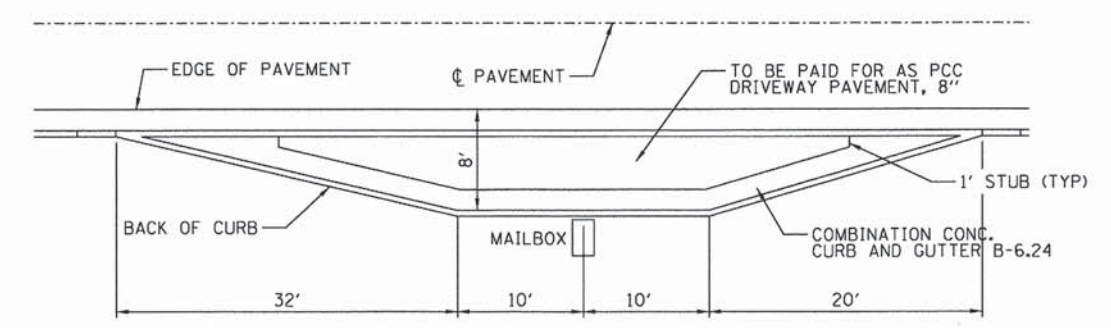
PEDESTRIAN ACTIVATED CROSSWALK WARNING SYSTEM DETAIL  
 SCALE: N.T.S.



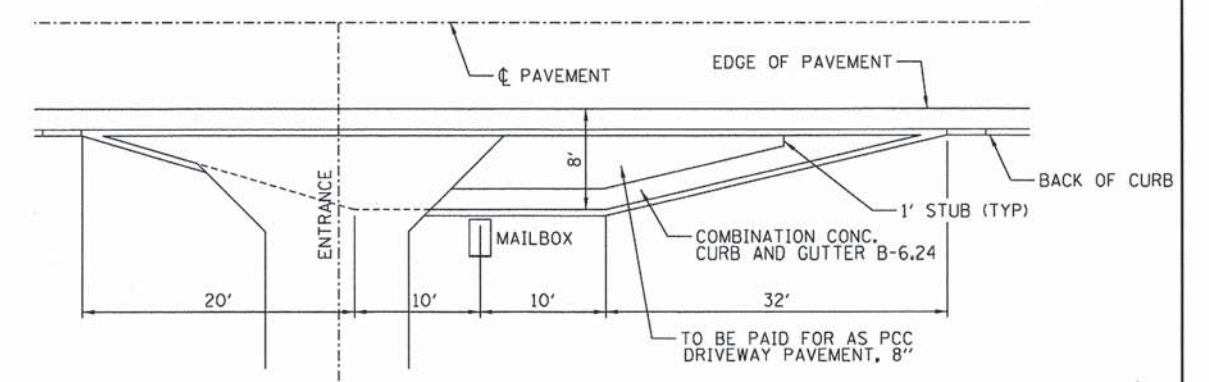
TYPICAL SECTION W/MAILBOX TURNOUT

- \* SEE CROSS SECTIONS FOR SLOPES
- 1 VARIES, SEE CROSS SECTIONS

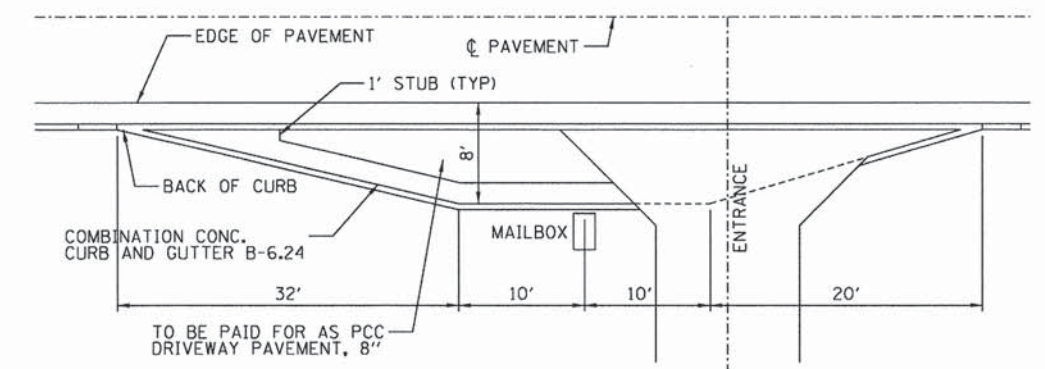
NOTES  
 1. SEE ENTRANCE SCHEDULES FOR ENTRANCE LOCATIONS AND TYPE



TYPICAL APPLICATION



MAILBOX ON FARSIDE OF ENTRANCE



MAILBOX ON NEARSIDE OF ENTRANCE

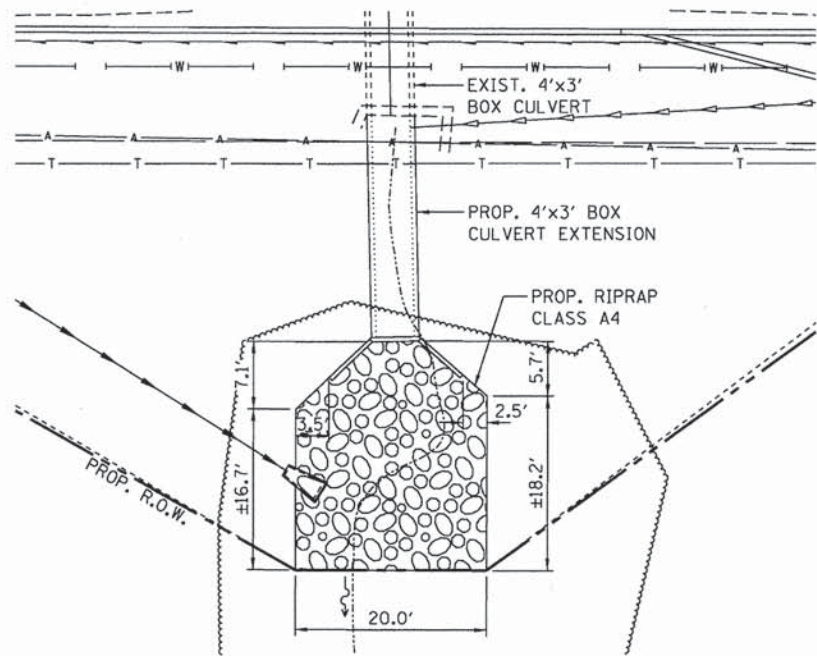
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		DATE - 02/18/2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

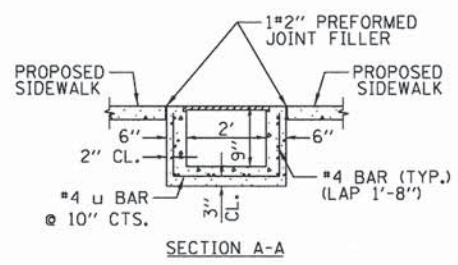
**MISCELLANEOUS DETAILS**

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

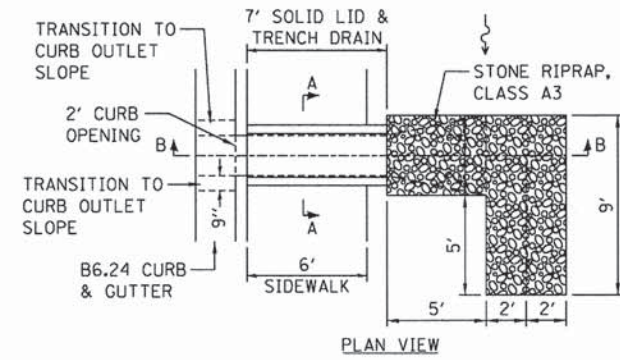
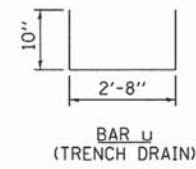
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	34
C-95-330-13		CONTRACT NO. 91494		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



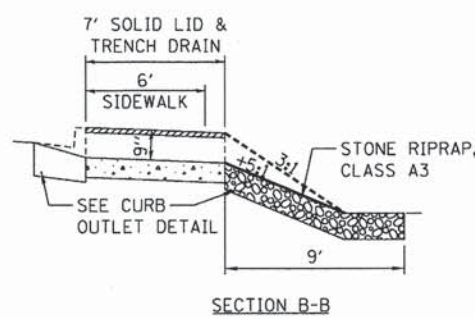
**4'x3' BOX CULVERT OUTLET**  
STA. 34+34.2, RT



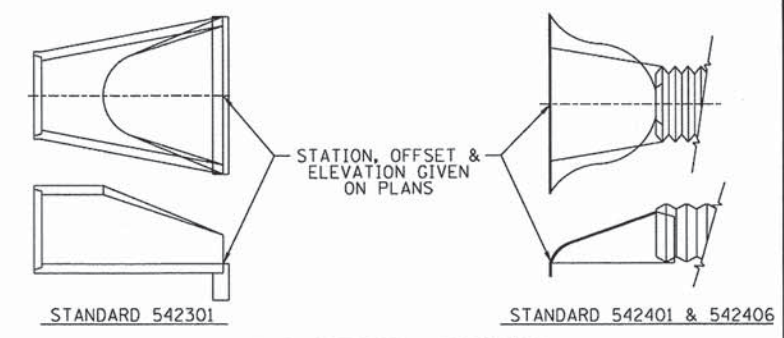
SECTION A-A



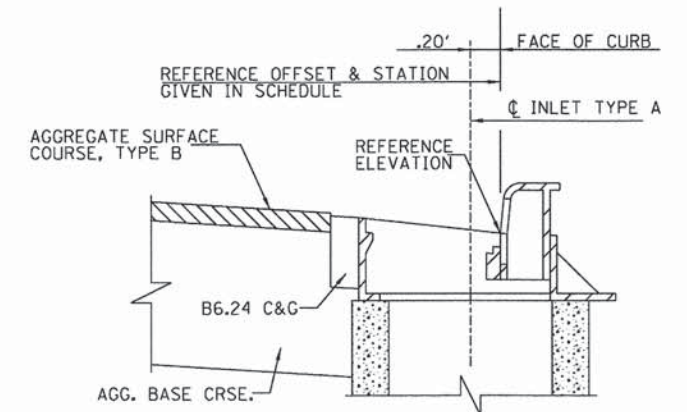
**CURB OUTLET 314A DETAIL**  
STA. 48+25.0, RT



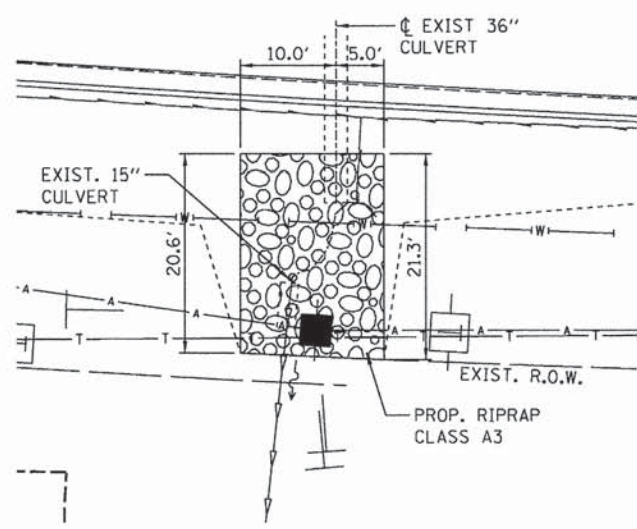
SECTION B-B



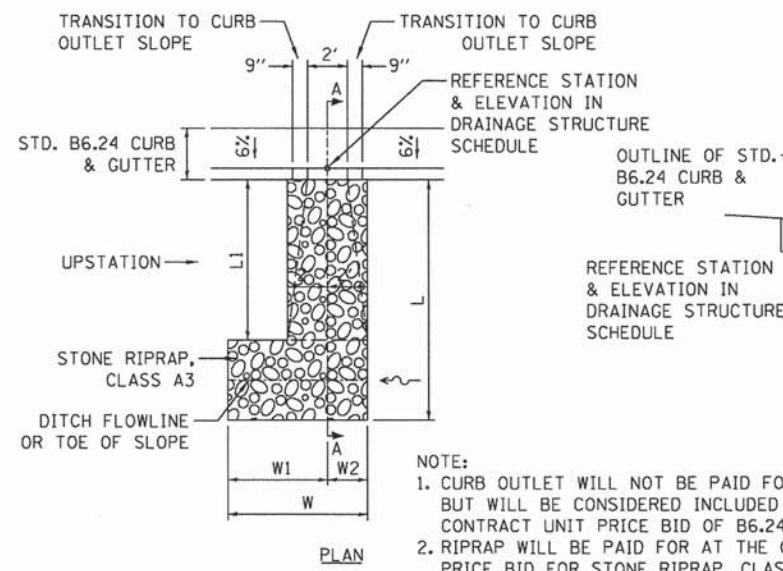
END SECTION OFFSETS



**INLET WITH FRAME & GRATE, TYPE 3 & 3V**  
NOT TO SCALE

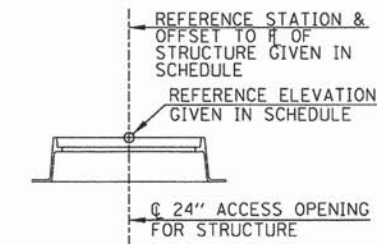
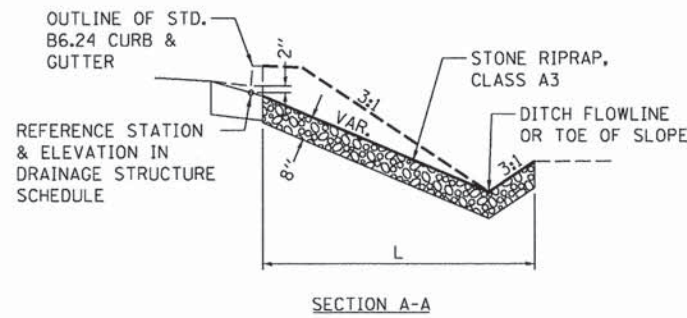


**36" DIA. CULVERT OUTLET**  
STA. 55+46.8, RT

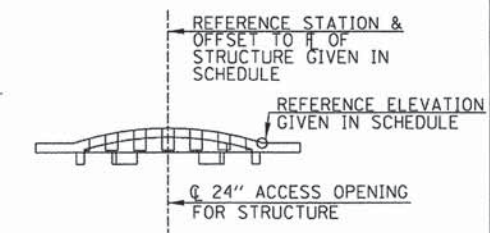


**CURB OUTLET DETAIL**

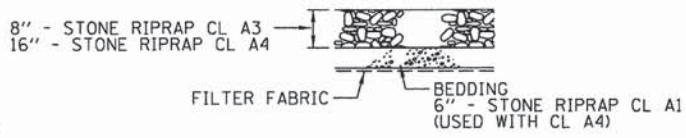
- NOTE:  
1. CURB OUTLET WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED WITH THE CONTRACT UNIT PRICE BID OF B6.24 CURB & GUTTER.  
2. RIPRAP WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR STONE RIPRAP, CLASS A3.  
3. SEE RIPRAP SCHEDULE FOR LAYOUT OF RIPRAP.



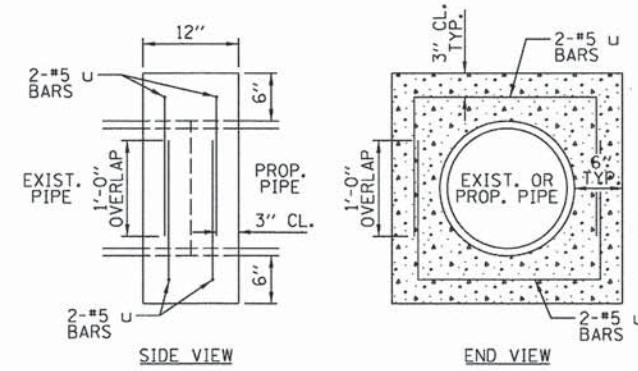
**TYPE 1 FRAME & LID**



**TYPE 8 GRATE**



**RIPRAP PLACEMENT DETAIL**



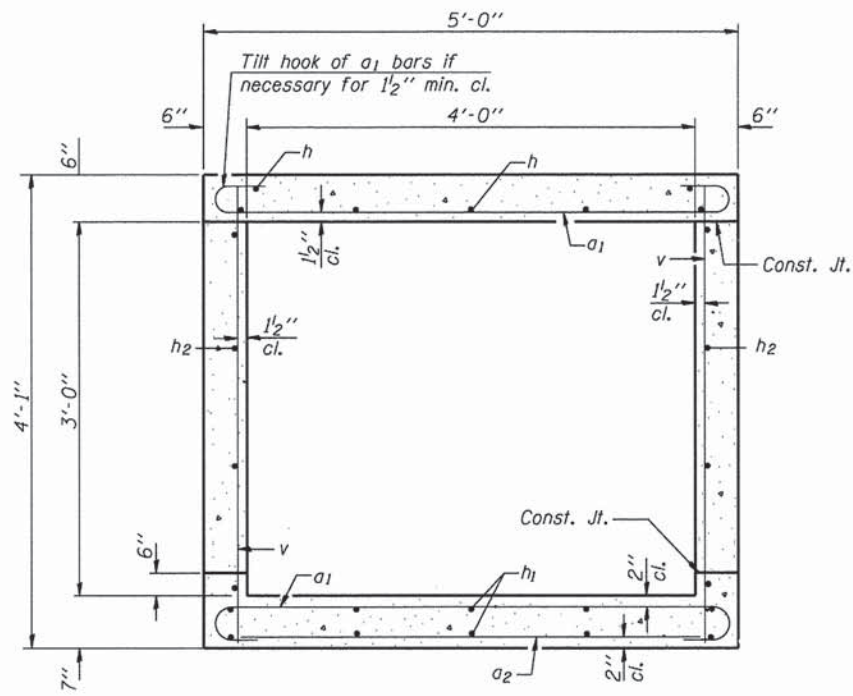
**CONCRETE COLLAR DETAIL**

NOTE:  
SEE CONCRETE COLLAR SCHEDULE FOR HEIGHT AND WIDTH DIMENSIONS.  
BAR U (CONC. COLLAR)

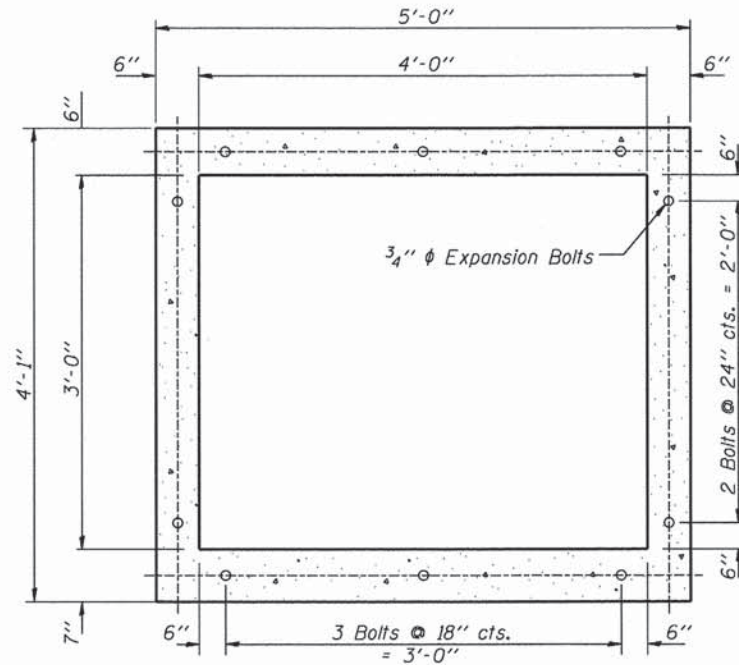
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**HANSON**

C-501.Det-Drn.dgn	USER NAME = aster-02605	DESIGNED - b. brendan	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/8" = 1'-0"	DRAWN - b. brendan	REVISED -			7045	09-00334-02-PV	VERMILION	64	35
	PLOT DATE = 02/18/2014	CHECKED - m. heyen	REVISED -		SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 91494	
		DATE - 02/18/2014	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

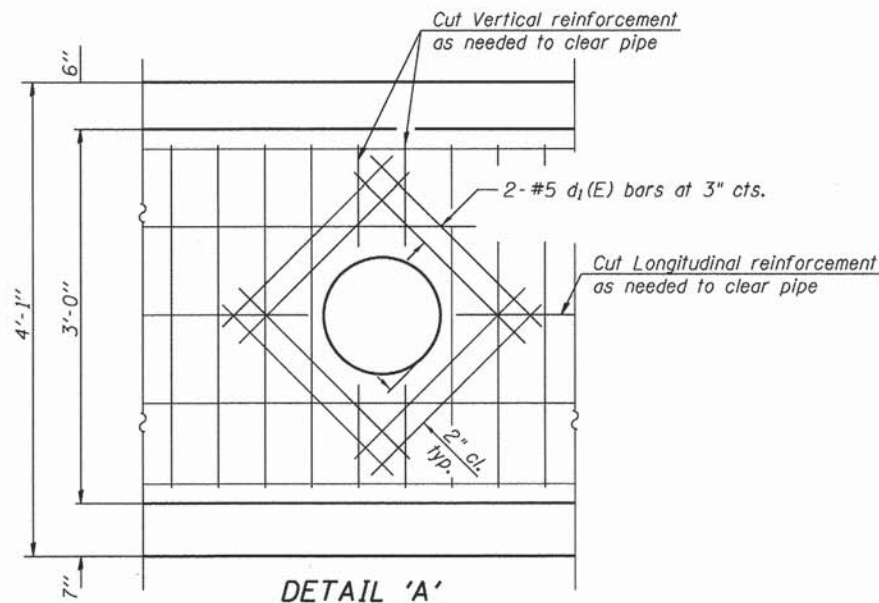




**SECTION THRU BARREL**



**SECTION THRU BARREL**  
 Showing Expansion Bolts



**DETAIL 'A'**  
 Showing Pipe cut out

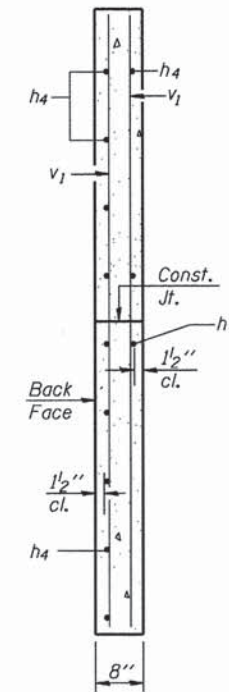
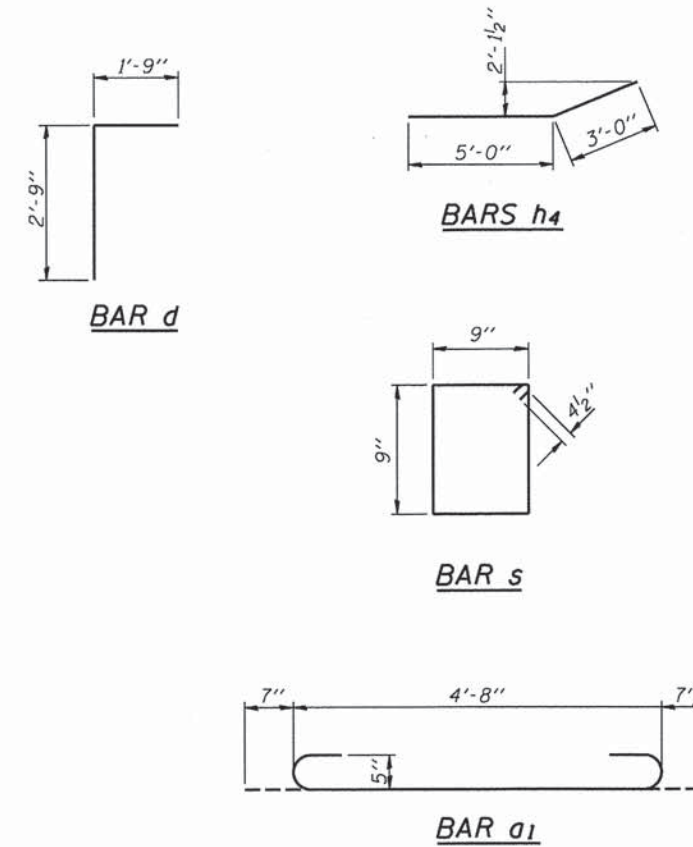
**NOTES**

- 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.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Expansion bolts shall be 3/4"  $\phi$  hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.
- Structure Excavation required shall be according to Article 502 of the Standard Specifications. Cost of excavation shall not be paid for separately but included with Concrete Box Culverts.

**DESIGN STRESSES**

$f_y = 60,000 \text{ psi}$   
 $f'_c = 3,500 \text{ psi}$

**LOADING HL-93**



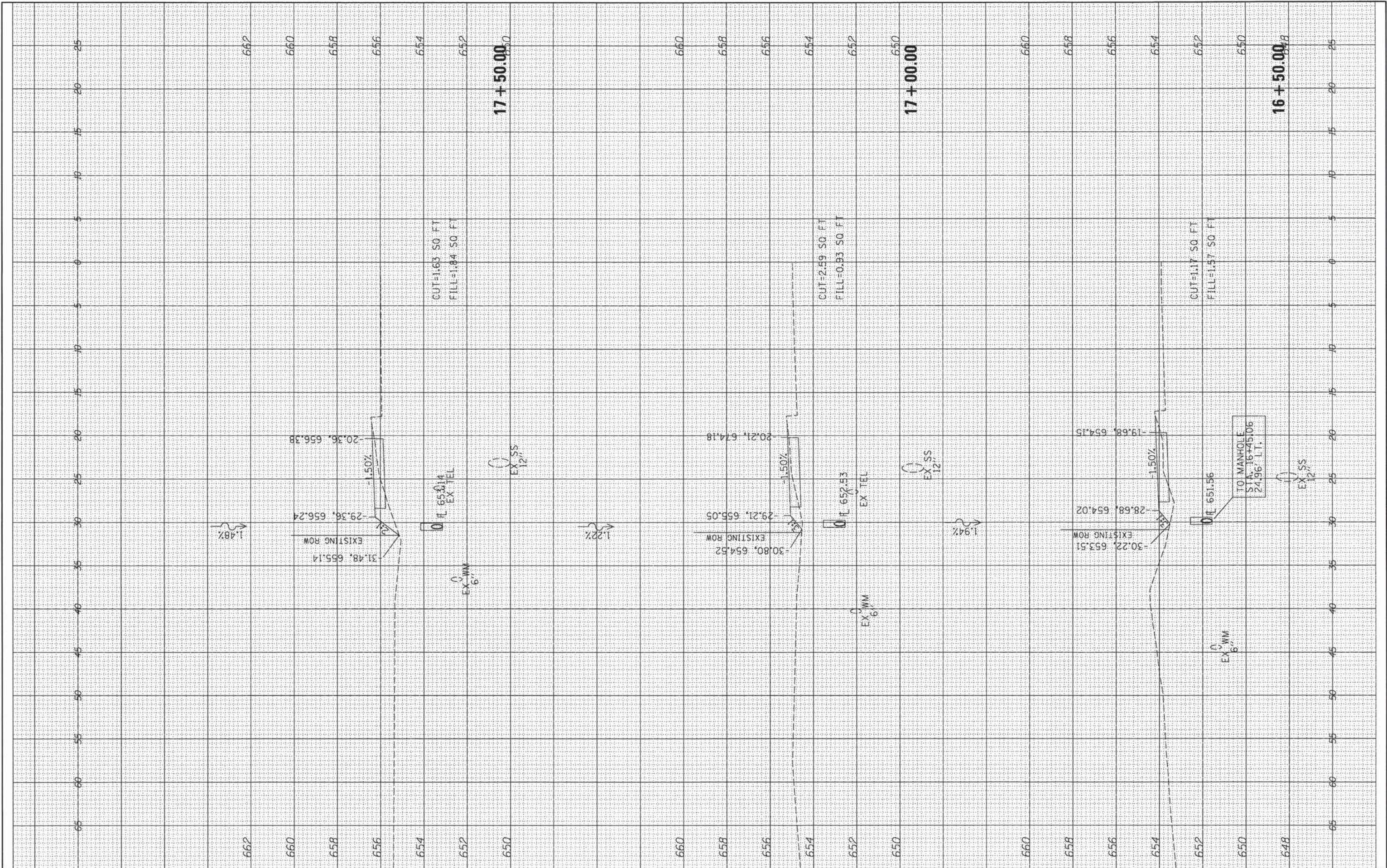
**SECTION A-A**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a <sub>1</sub>	98	#5	5'-10"	U
a <sub>2</sub>	14	#4	4'-8"	—
d	5	#4	4'-6"	L
d <sub>1</sub>	8	#5	3'-0"	—
h	7	#5	23'-8"	—
h <sub>1</sub>	10	#4	23'-8"	—
h <sub>2</sub>	8	#4	23'-8"	—
h <sub>3</sub>	14	#6	4'-6"	—
h <sub>4</sub>	24	#5	8'-0"	L
s	12	#4	3'-9"	□
v	52	#4	3'-9"	—
v <sub>1</sub>	8	#4	6'-8"	—
Concrete Box Culverts			Cu. Yd.	9.6
Reinforcement Bars			Pound	1630
Expansion Bolts 3/4 Inch			Each	10

FINAL SURVEY NO.	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

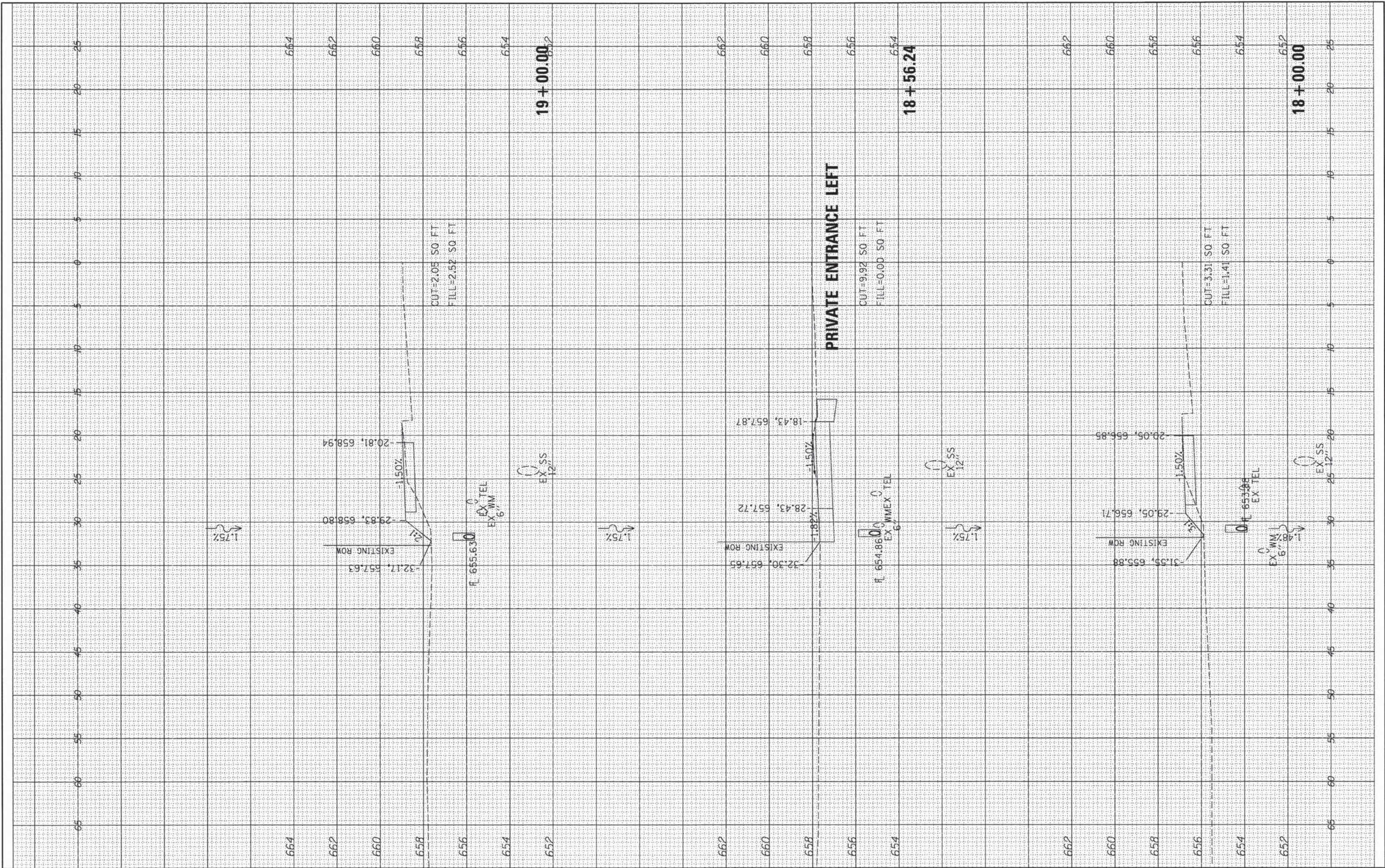
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SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		



FILE NAME =	USER NAME = aster-00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> <b>BOWMAN AVE - CROSS SECTIONS</b> SCALE: 1"=5' HORIZ. SHEET 1 OF 27 SHEETS STA. 16+50.00 TO STA. 17+50.00	F.A. RTE. 7045	SECTION 09-00334-02-PV	COUNTY VERMILION	TOTAL SHEETS 64	SHEET NO. 38
		DRAWN - r. Johnson	REVISED -			C-95-330-13	CONTRACT NO. 91494	ILLINOIS FED. AID PROJECT	
		CHECKED - m. heyen	REVISED -						
		DATE - 02/18/2014	REVISED -						

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
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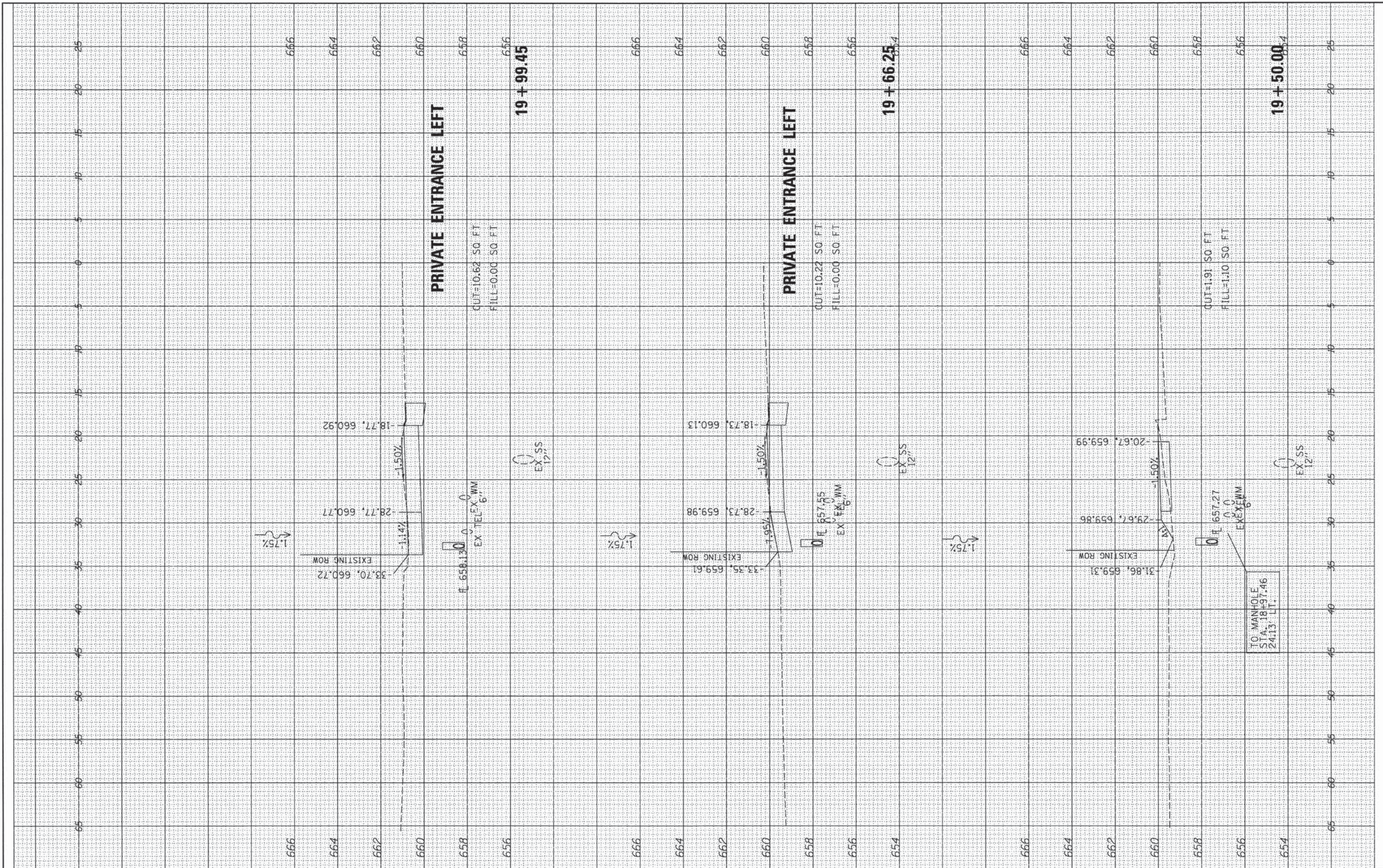
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NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
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FILE NAME =	USER NAME = aster-00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BOWMAN AVE - CROSS SECTIONS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\08 jobs\09-00334\02-PV\Road\Mode\XC-SW-SW-South.dgn	DRAWN - r. johnson	REVISED -	7045			09-00334-02-PV	VERMILION	64	39	
PLOT SCALE = 1/8" = 1'	CHECKED - m. heyen	REVISED -	C-95-330-13			CONTRACT NO.	91494			
PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -	ILLINOIS FED. AID PROJECT							

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

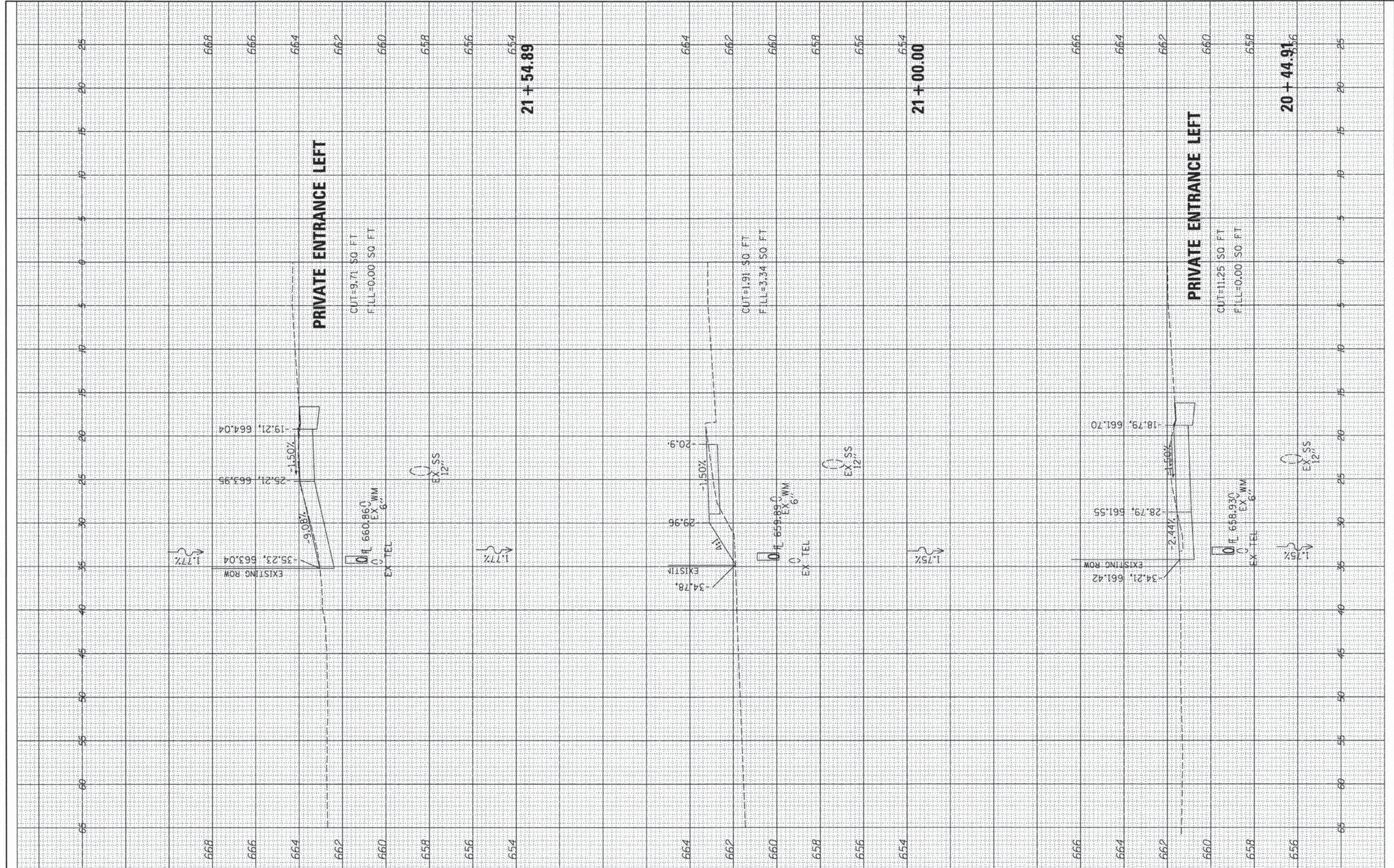


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	PLOT SCALE = 18,0000' / in.	DRAWN - r. Johnson	REVISED -		C-95-330-13	CONTRACT NO. 91494			
	PLOT DATE = 02/18/2014	CHECKED - m. heyen	REVISED -		ILLINOIS FED. AID PROJECT				
		DATE - 02/18/2014	REVISED -						



BY	DATE
ORIGINAL SURVEY PLOTTED	SURVEYED
NOTE BOOK NO.	NO.
AREAS AS CHECKED	AREAS CHECKED

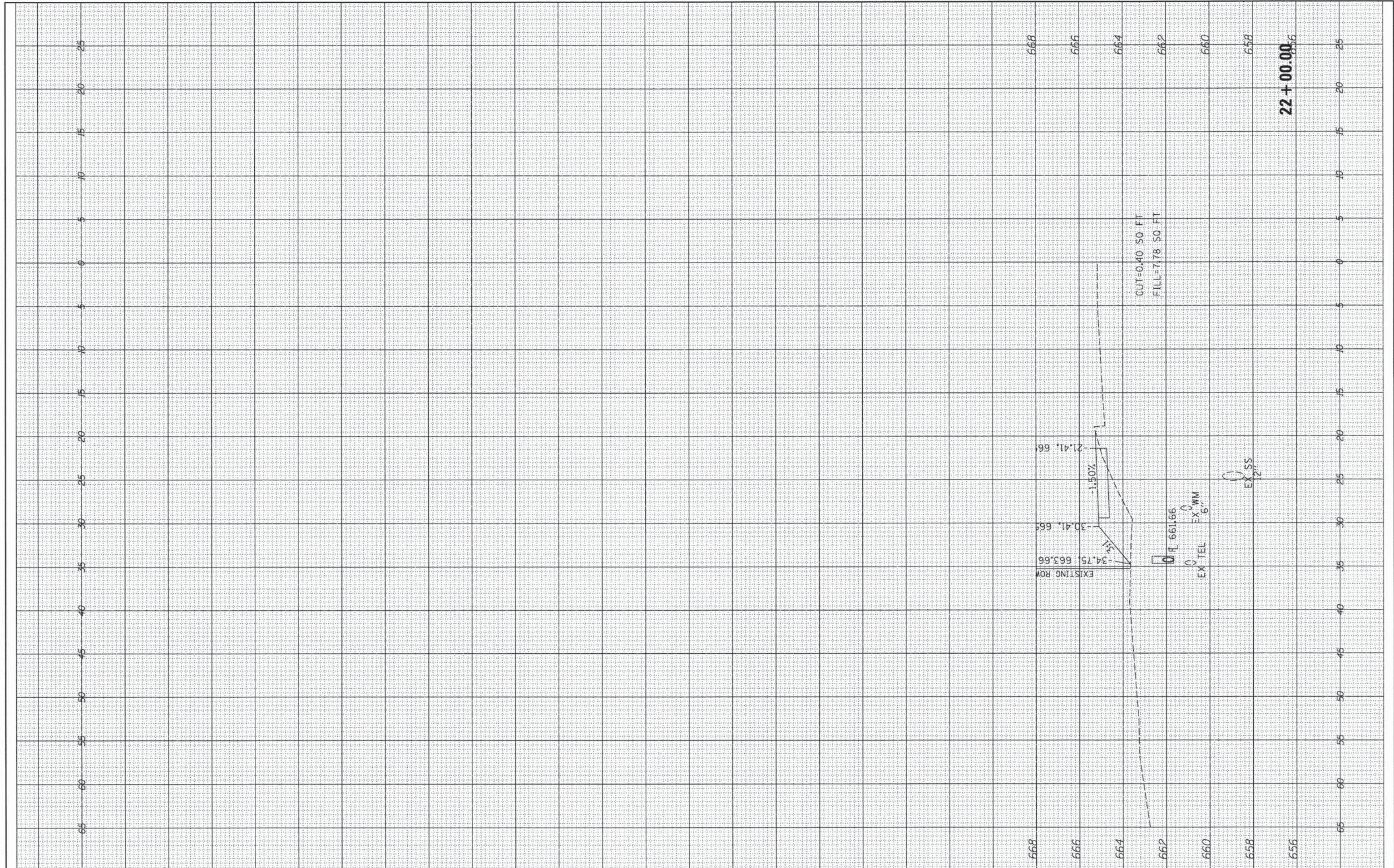
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NOTE BOOK NO.	NO.
AREAS AS CHECKED	AREAS CHECKED



FILE NAME =	USER NAME = oster00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOWMAN AVE - CROSS SECTIONS</b>	SCALE: 1"=5' HORIZ.	SHEET 4 OF 27 SHEETS	STA. 20+44.91 TO STA. 21+54.89	F.A. SECTION COUNTY TOTAL SHEETS SHEET NO.	
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PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -	ILLINOIS FED. AID PROJECT							

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
NO.	
AREAS CHECKED	

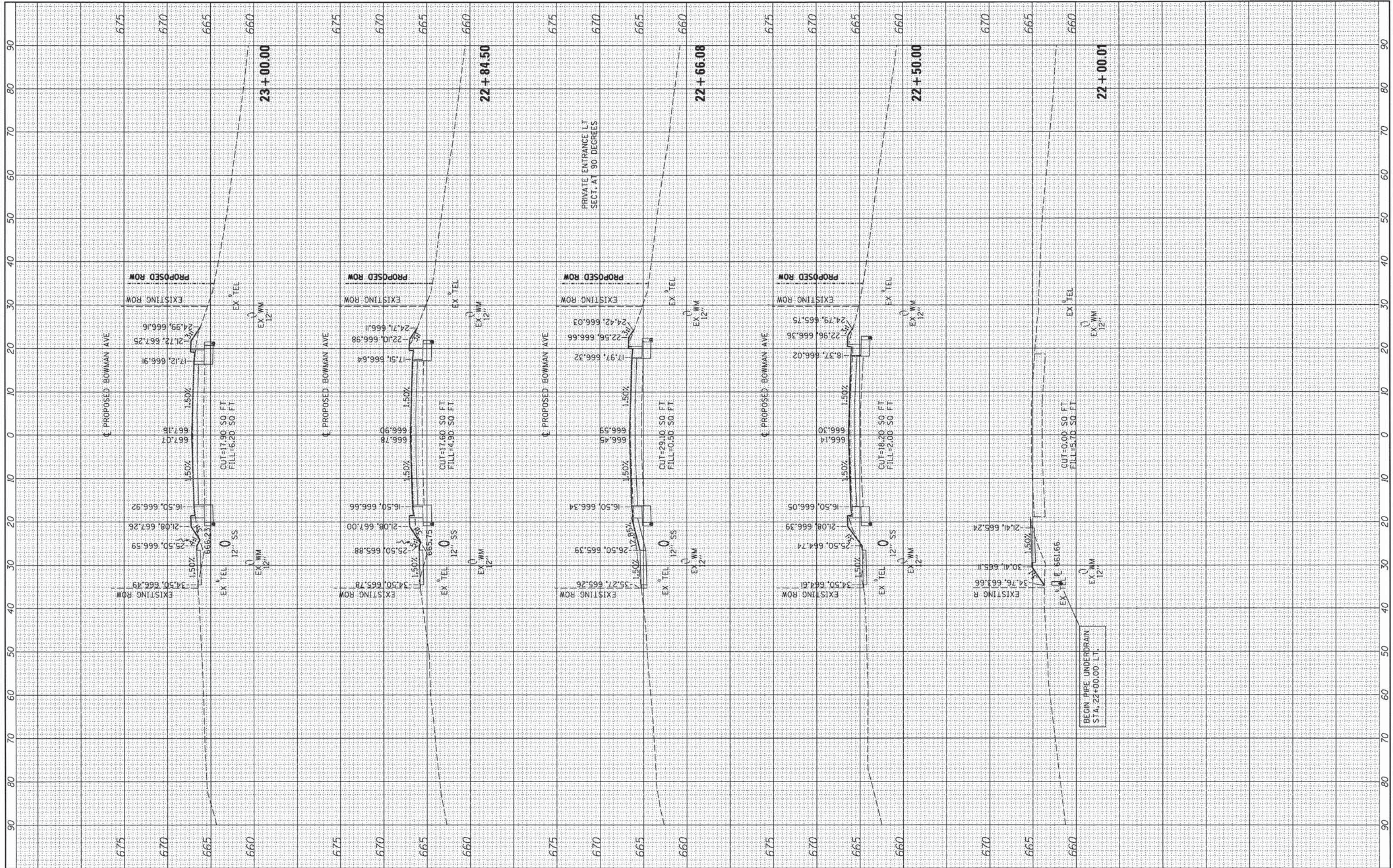
ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
NO.	
AREAS CHECKED	



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	PLOT SCALE = 1/8" = 10.0000' / in.	DRAWN - r. johnson	REVISED -		SCALE: 1"=5' HORIZ.	SHEET 5 OF 27 SHEETS	STA. 22+00.00 TO STA. 22+50.00	C-95-330-13		CONTRACT NO. 91494	
	PLOT DATE = 02/18/2014	CHECKED - m. heyen	REVISED -		ILLINOIS FED. AID PROJECT						
		DATE - 02/18/2014	REVISED -								

BY	DATE

BY	DATE



FILE NAME =	USER NAME = <b>aster-08695</b>	DESIGNED - m. heyen	REVISED -
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		CHECKED - m. heyen	REVISED -
		DATE - 02/18/2014	REVISED -

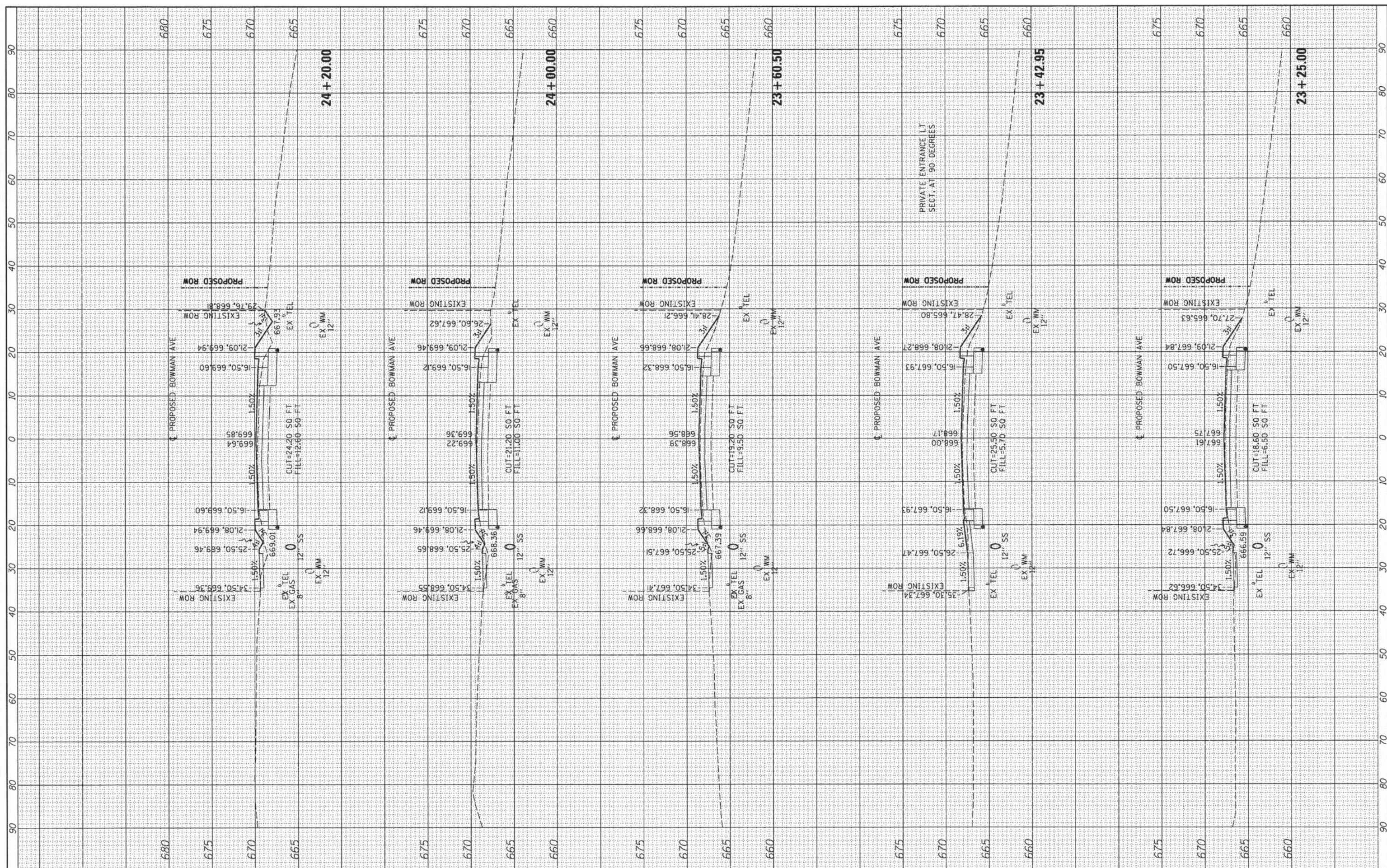
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

1"=5' VERT.  
SCALE: 1"=10' HORIZ. SHEET 6 OF 27 SHEETS STA. 21+64.16 TO STA. 23+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	43
C-95-330-13			CONTRACT NO. 91494	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
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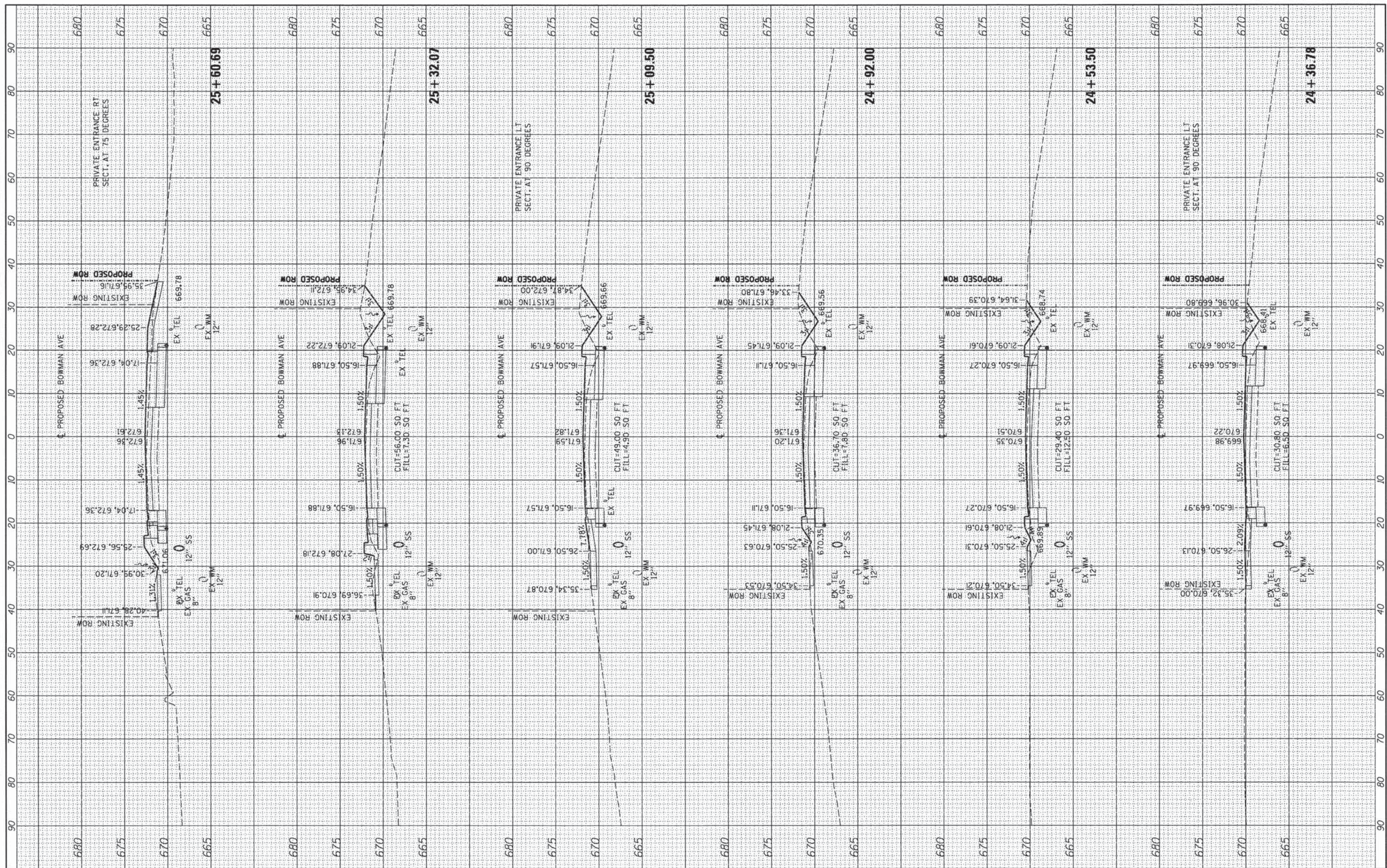
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SURVEYED	BY
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TEMPLATE	
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PLOT SCALE = 20,0000 ' / in.	CHECKED - m. heyen	REVISED -	SCALE: 1"=10' HORIZ. SHEET 7 OF 27 SHEETS			STA. 23+25.00 TO STA. 24+20.00	CONTRACT NO. 91494			
PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -	ILLINOIS FED. AID PROJECT							

FINAL SURVEY	DATE
NO.	
NO.	
NO.	
NO.	

ORIGINAL SURVEY	DATE
NO.	
NO.	
NO.	
NO.	



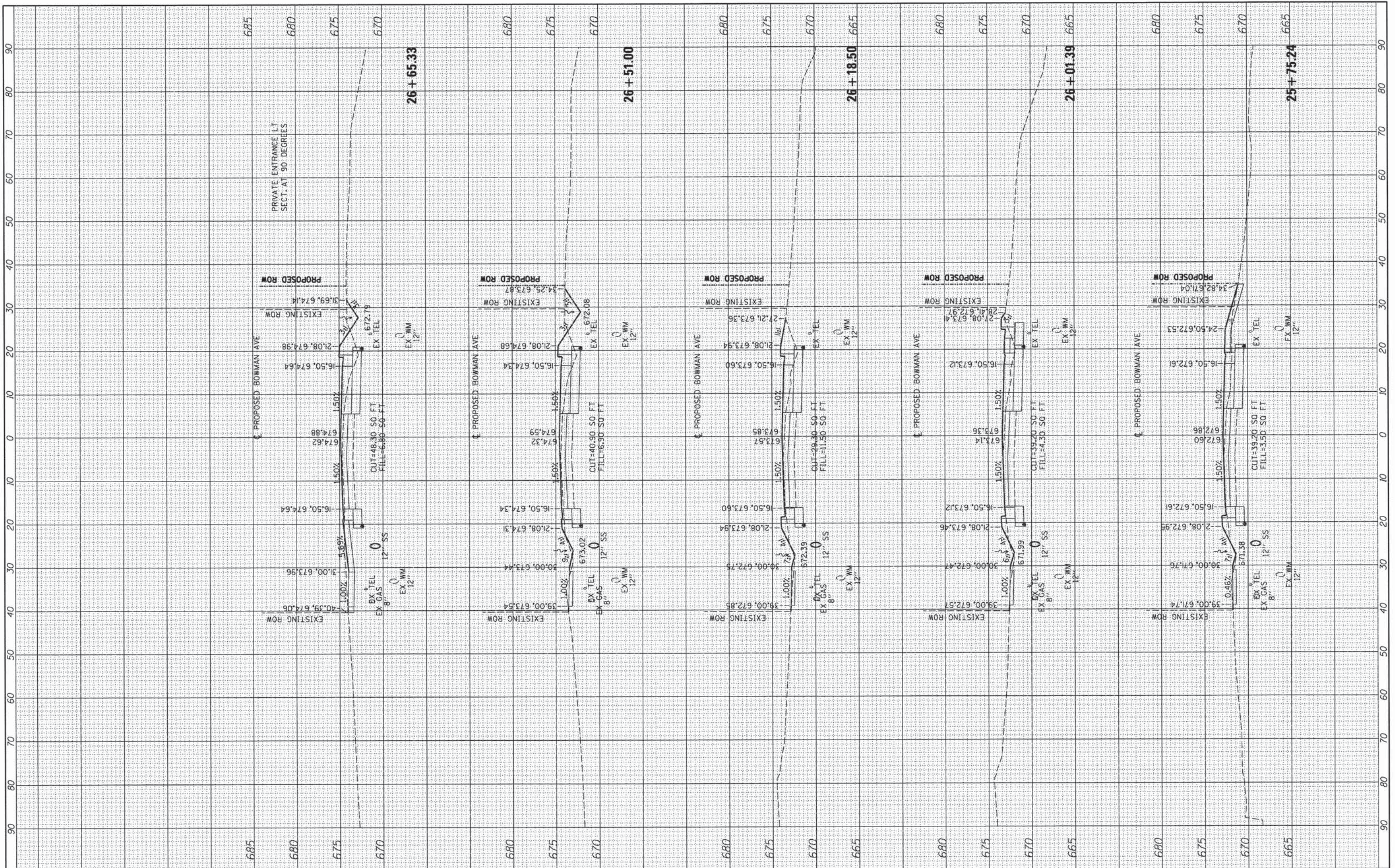
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		CHECKED - m. heyen	REVISED -
		DATE - 02/18/2014	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BOWMAN AVE - CROSS SECTIONS	
1"=5' VERT.		SCALE: 1"=10' HORIZ. SHEET 8 OF 27 SHEETS STA. 24+36.78 TO STA. 25+60.69	
F.A. RTE. 7045	SECTION 09-00334-02-PV	COUNTY VERMILION	TOTAL SHEETS 64 SHEET NO. 45
C-95-330-13		CONTRACT NO. 91494	
ILLINOIS FED. AID PROJECT			

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		
NO.		

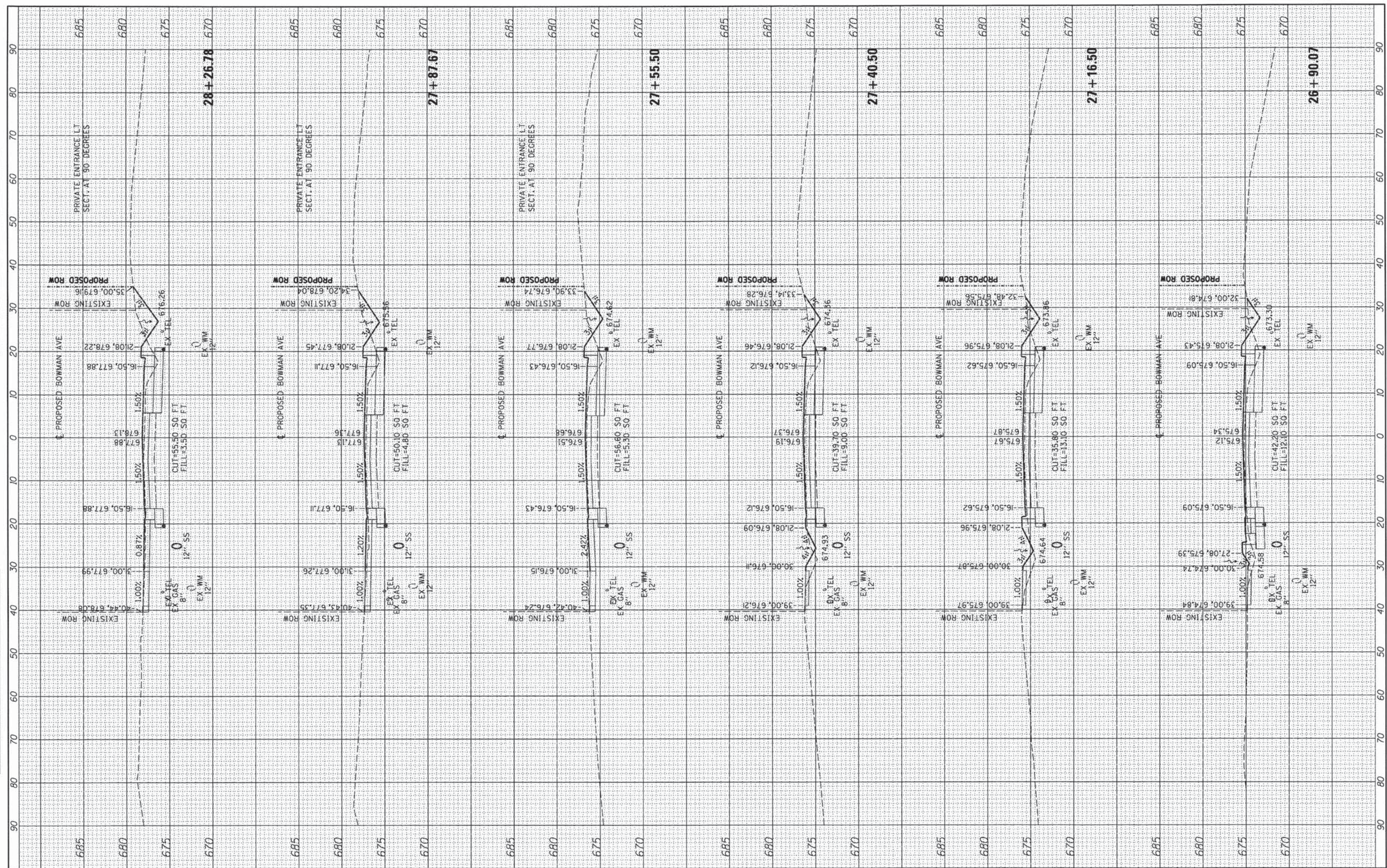
ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		
NO.		



FILE NAME =	USER NAME = aster00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BOWMAN AVE - CROSS SECTIONS</b> 1"=5' VERT. SCALE: 1"=10' HORIZ. SHEET 9 OF 27 SHEETS STA. 25+75.24 TO STA. 26+65.33	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\08 jobs\08-02202\Road\Sheet\09033402PV\c-3bowman02-1.dgn	DRAWN - r. johnson	REVISED -	7045			09-00334-02-PV	VERMILION	64	46	
PLOT SCALE = 28.0000' / 1"	CHECKED - m. heyen	REVISED -	C-95-330-13			CONTRACT NO. 91494				
PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -	ILLINOIS FED. AID PROJECT							

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
NO.		



FILE NAME =	USER NAME = aster00605	DESIGNED - m. heyen	REVISED -
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	PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -

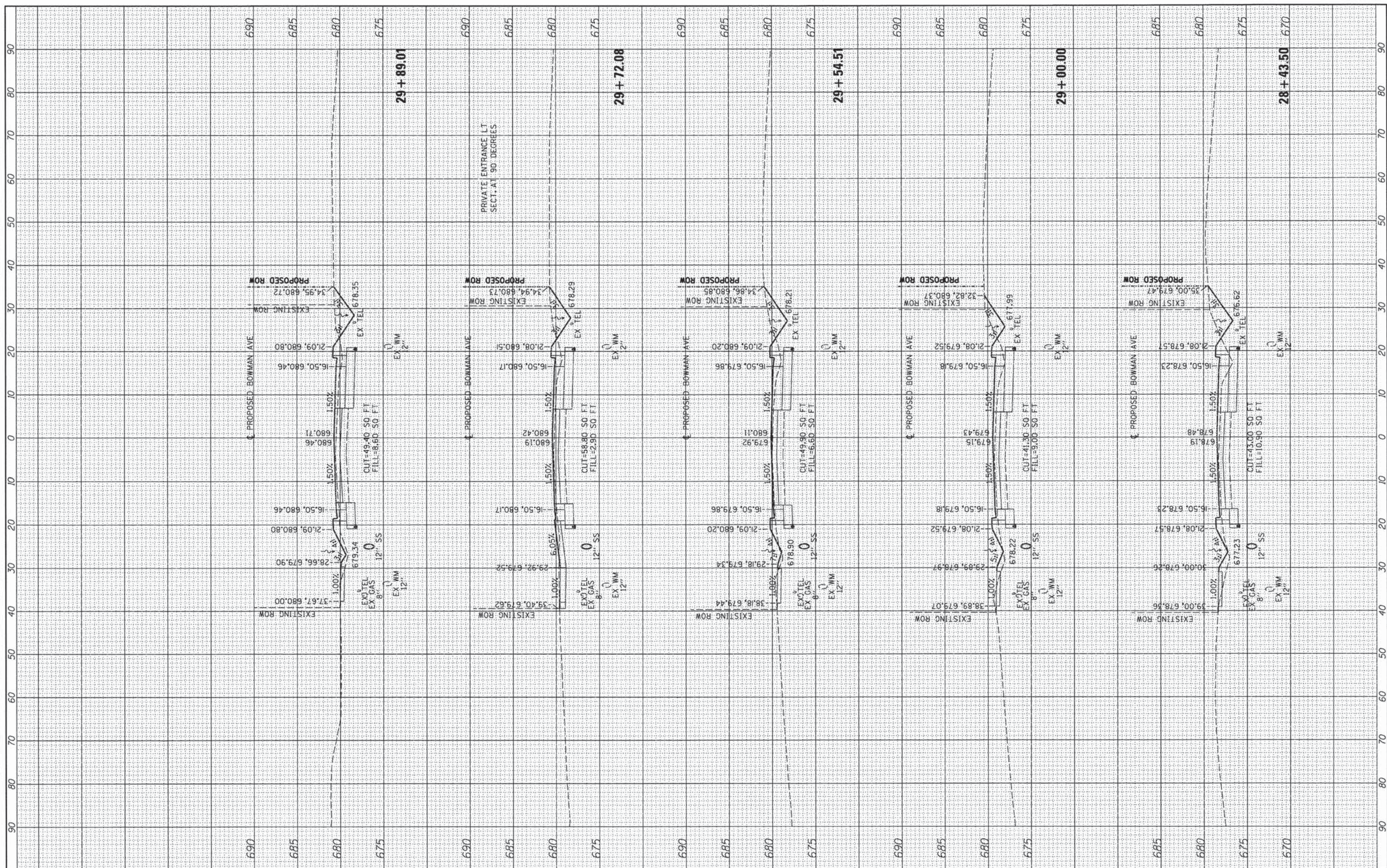
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BOWMAN AVE - CROSS SECTIONS**  
 1"=5' VERT.  
 SCALE: 1"=10' HORIZ. SHEET 10 OF 27 SHEETS STA. 26+90.07 TO STA. 28+26.78

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	47
	C-95-330-13		CONTRACT NO. 91494	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
PLOTTED	BY
TEMPLATE	
NO. BOOK	
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ORIGINAL SURVEY	DATE
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TEMPLATE	
NO. BOOK	
AREAS CHECKED	



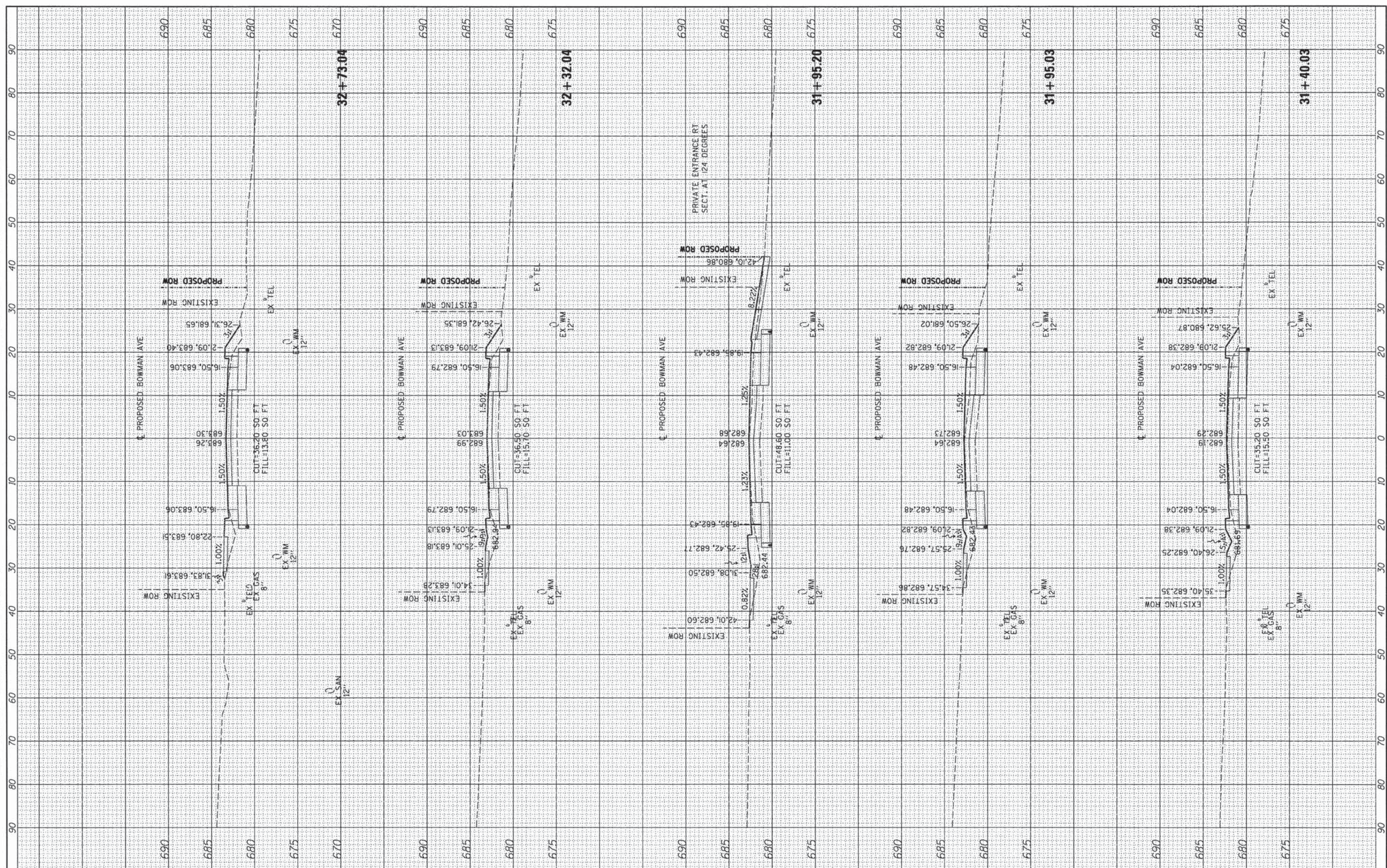
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	PLOT SCALE = 28.0000' / in.	CHECKED - m. heyen	REVISED -			SCALE: 1"=10' HORIZ. SHEET 11 OF 27 SHEETS	STA. 28+43.50 TO STA. 29+89.01	C-95-330-13		CONTRACT NO. 91494	
	PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -			(ILLINOIS) FED. AID PROJECT					





FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
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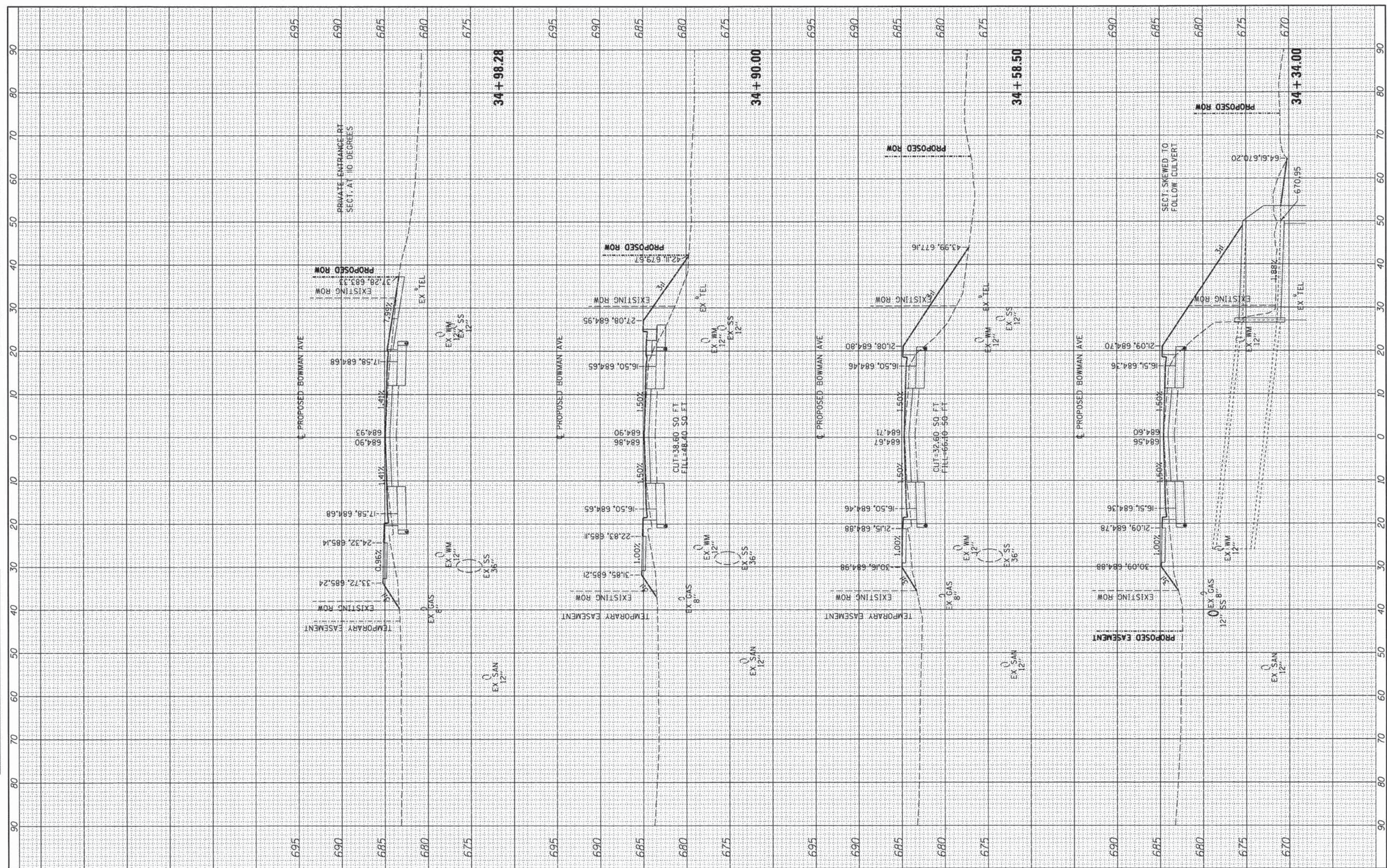


FILE NAME =	USER NAME = aster00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BOWMAN AVE - CROSS SECTIONS</b> 1"=5' VERT. SCALE: 1"=10' HORIZ. SHEET 13 OF 27 SHEETS STA. 31+40.03 TO STA. 32+73.04	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\08\john\02\02\02\Road\Sheet\090833402PV	c-3bowman02-1.dgn	DRAWN - r. Johnson	REVISED -			7045	09-00334-02-PV	VERMILION	64	50
	PLOT SCALE = 20,0000 "/ in.	CHECKED - m. heyen	REVISED -			C-95-330-13		CONTRACT NO. 91494		
	PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -			ILLINOIS FED. AID PROJECT				



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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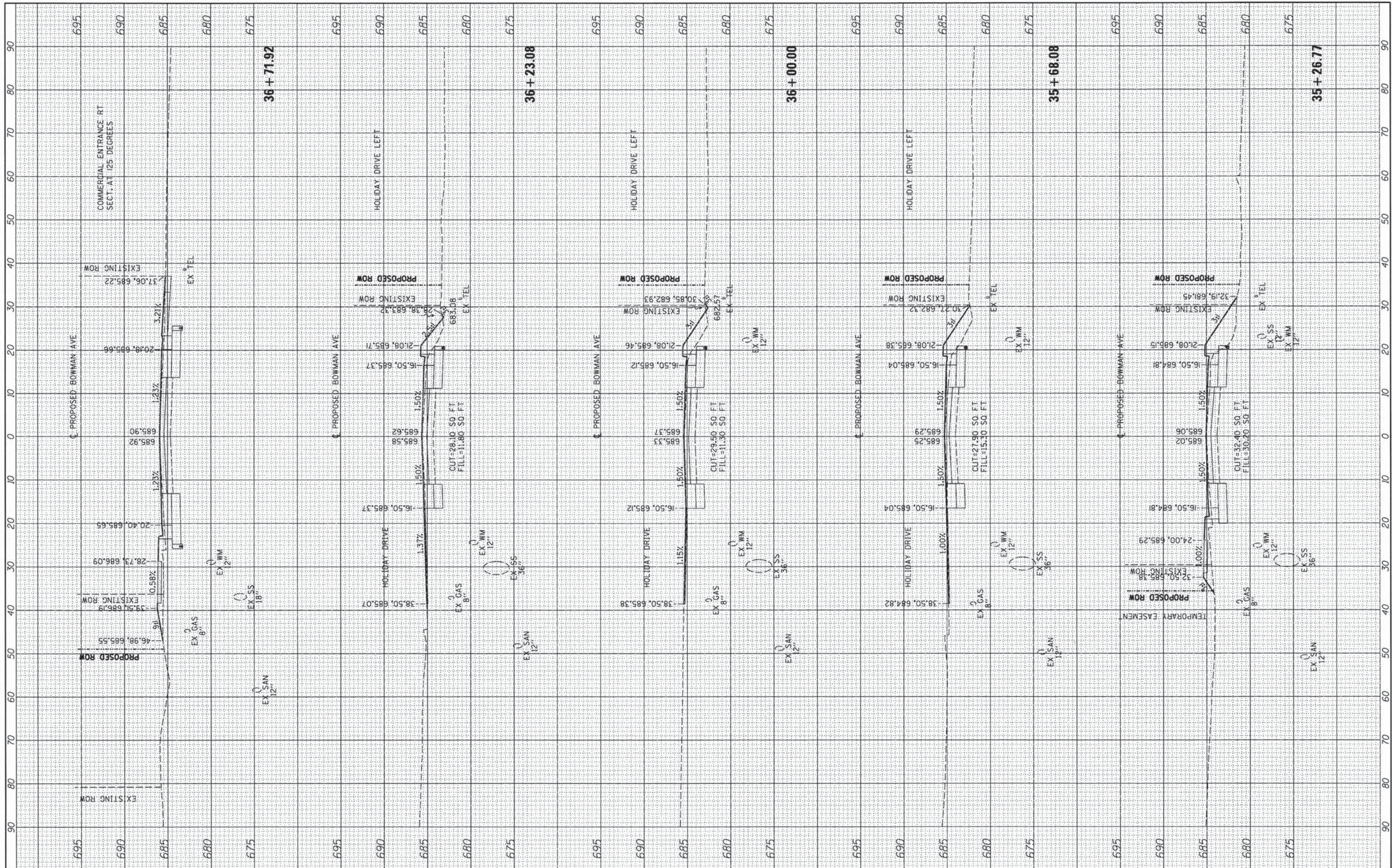
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NOTE BOOK NO.	PLOTTED		
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	AREAS CHECKED		



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	PLOT SCALE = 20,00000 ' / in.	DRAWN - r. Johnson	REVISED -			C-95-330-13	CONTRACT NO. 91494		
	PLOT DATE = 02/18/2014	CHECKED - m. heyen	REVISED -			ILLINOIS FED. AID PROJECT			
		DATE - 02/18/2014	REVISED -						

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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	PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -

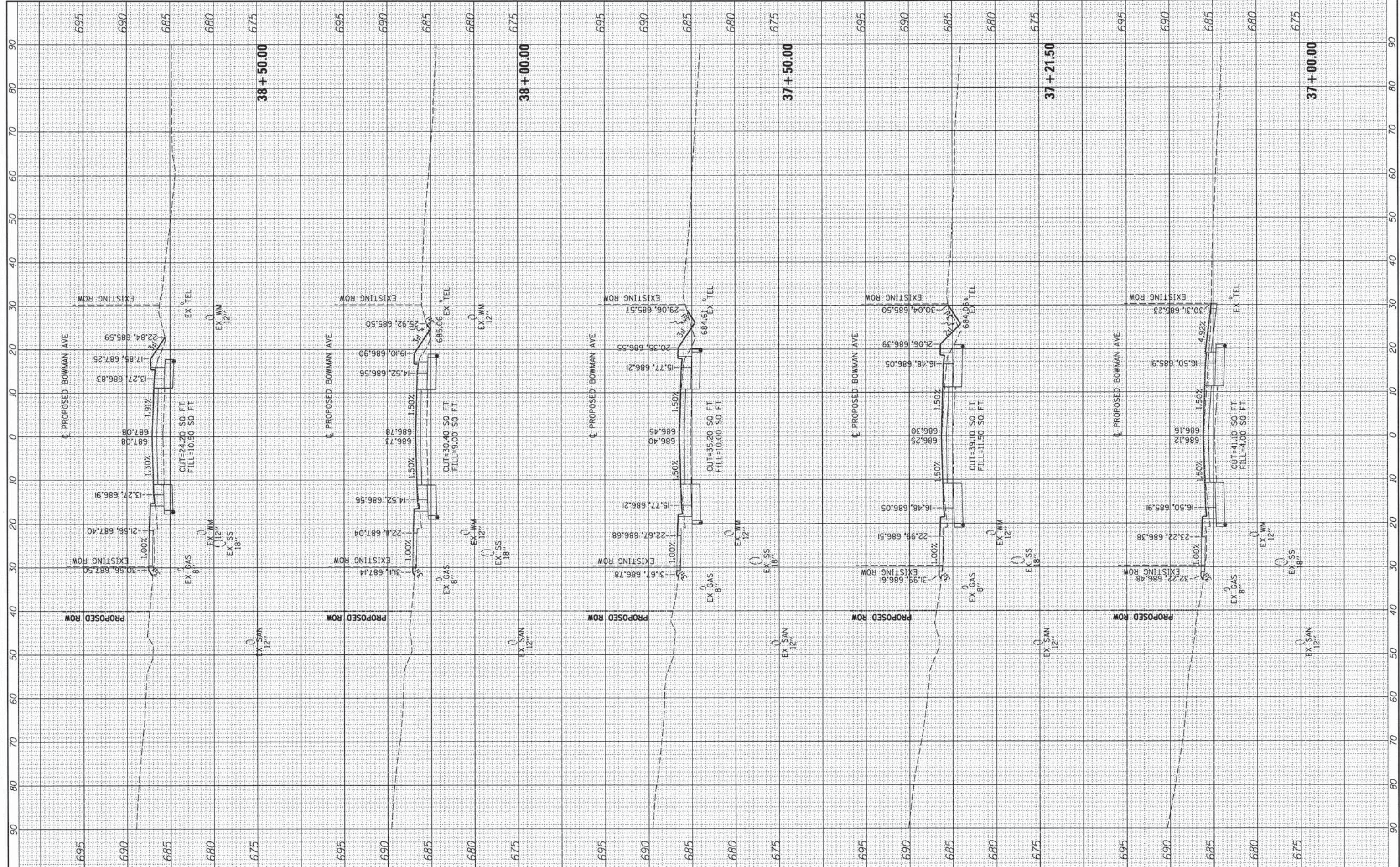
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BOWMAN AVE - CROSS SECTIONS**  
1"=5' VERT.  
SCALE: 1"=10' HORIZ. SHEET 16 OF 27 SHEETS STA. 35+26.77 TO STA. 36+71.92

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	53
	C-95-330-13			CONTRACT NO. 91494
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
PLOTTED	BY	
NOTE BOOK		
AREAS CHECKED		
NO.		

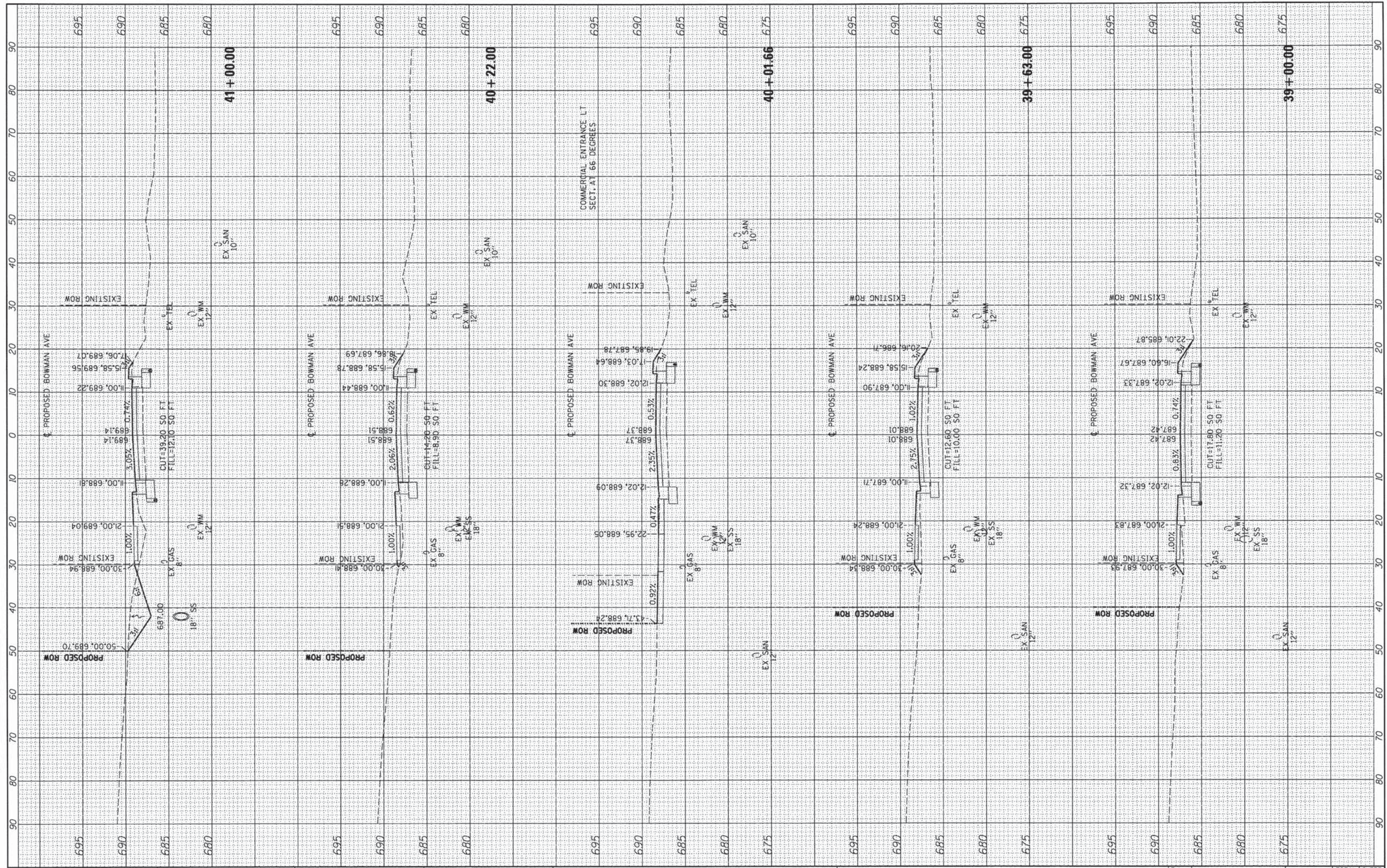
ORIGINAL SURVEY	SURVEYED	DATE
PLOTTED	BY	
NOTE BOOK		
AREAS CHECKED		
NO.		



FILE NAME = I:\08\Job\09-00334-02\Road\Sheet\090033402PV	USER NAME = aster00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> <b>BOWMAN AVE - CROSS SECTIONS</b> 1"=5' VERT. SCALE: 1"=10' HORIZ. SHEET 17 OF 27 SHEETS STA. 37+00.00 TO STA. 38+50.00	F.A. RTE. 7045	SECTION 09-00334-02-PV	COUNTY VERMILION	TOTAL SHEETS 64	SHEET NO. 54
	PLOT SCALE = 20,0000 ' / in.	DRAWN - r. johnson	REVISED -		C-95-330-13	CONTRACT NO. 91494	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 02/18/2014	CHECKED - m. heyen	REVISED -						
		DATE - 02/18/2014	REVISED -						

FINAL SURVEY PLOTTED AREAS CHECKED	BY	DATE
NO.		

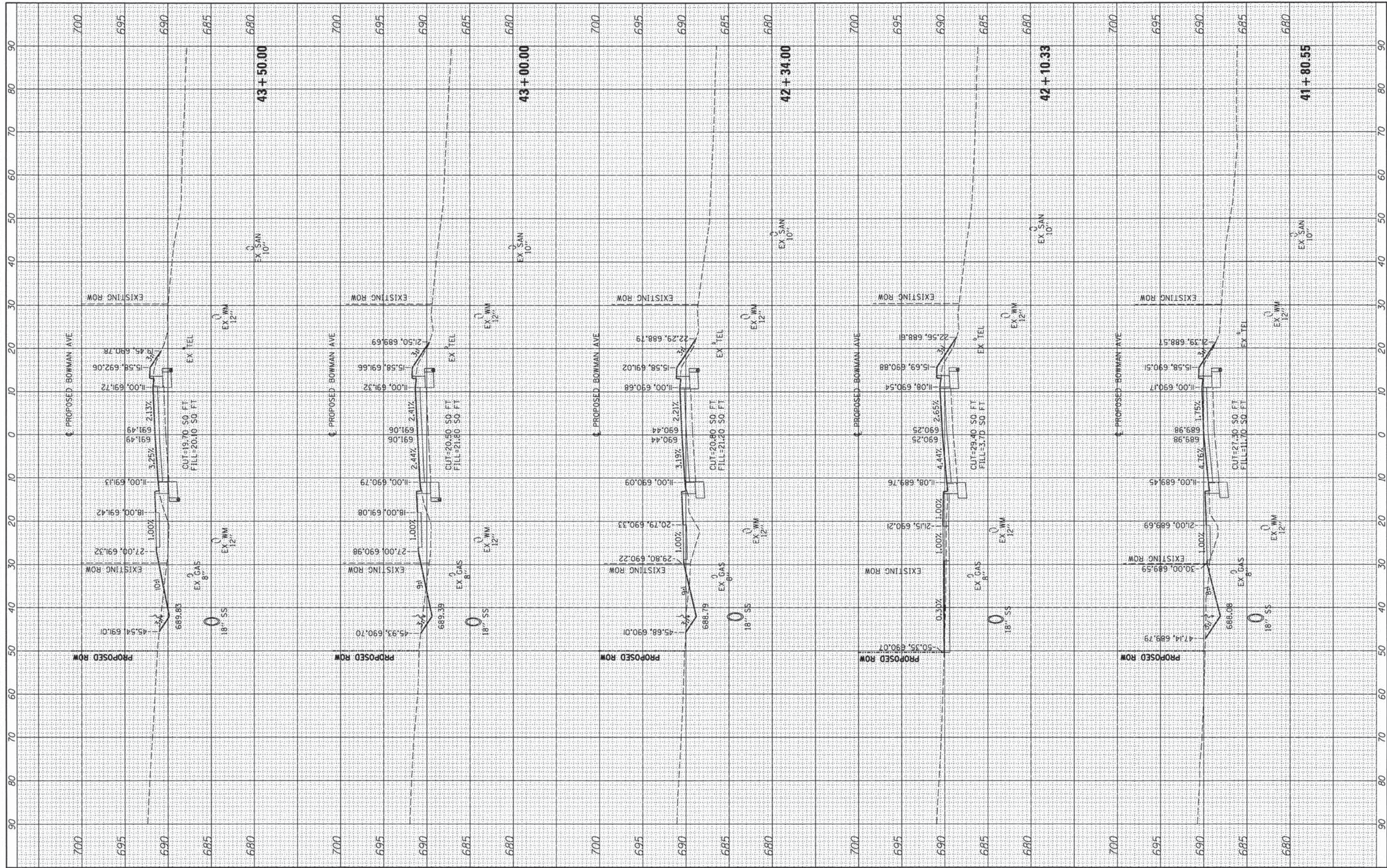
ORIGINAL SURVEY PLOTTED AREAS CHECKED	BY	DATE
NO.		



FILE NAME =	USER NAME = aster00685	DESIGNED - m. heyen	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p> <p align="center">1"=5' VERT. SCALE: 1"=10' HORIZ. SHEET 18 OF 27 SHEETS STA. 39+00.00 TO STA. 41+00.00</p>	<b>BOWMAN AVE - CROSS SECTIONS</b>		F.A. RTE. 7045	SECTION 09-00334-02-PV	COUNTY VERMILION	TOTAL SHEETS 64	SHEET NO. 55	
1:\08\john\02\02\02\02\Road\Sheet\8\90833402PV	c:\3bowman02-1.dgn	DRAWN - r. johnson	REVISED -		C-95-330-13		CONTRACT NO. 91494		ILLINOIS FED. AID PROJECT			
PLOT SCALE = 28.0000" / in.	CHECKED - m. heyen	DATE - 02/18/2014	REVISED -									
PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -										

FINISH SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



FILE NAME =	USER NAME = oster-00605	DESIGNED - m. heyen	REVISED -
I:\08\john\09\422\02\Road\Sheet\090833402PV\c-3bowman02-1.dgn		DRAWN - r. johnson	REVISED -
		CHECKED - m. heyen	REVISED -
		DATE - 02/18/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

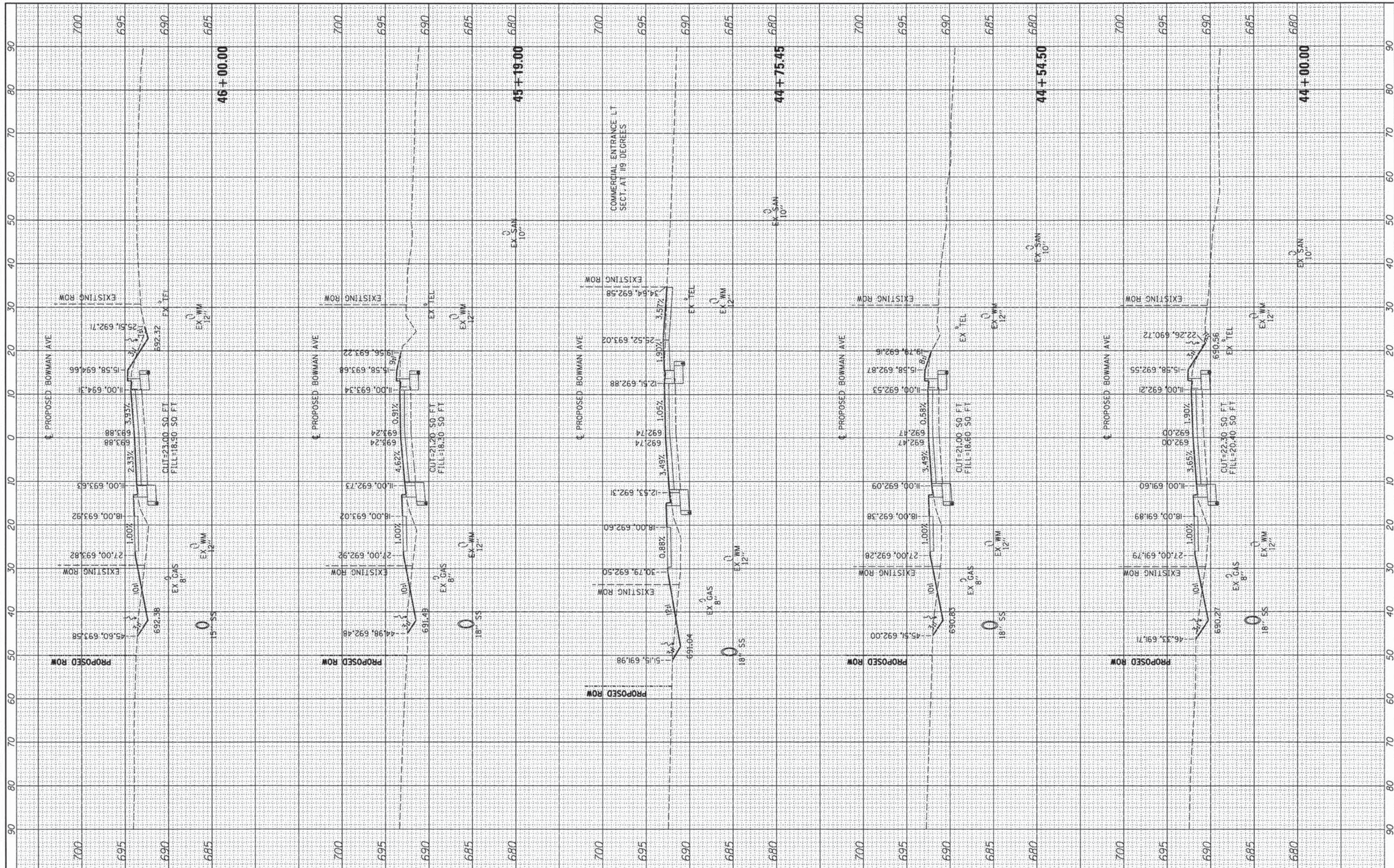
**BOWMAN AVE - CROSS SECTIONS**  
1"=5' VERT.  
SCALE: 1"=10' HORIZ. SHEET 19 OF 27 SHEETS STA. 41+80.55 TO STA. 43+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	56
	C-95-330-13	CONTRACT NO.	91494	
ILLINOIS FED. AID PROJECT				



FINAL SURVEY	DATE
SURVEYED	BY
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TEMPLATE	
NO. AREAS CHECKED	

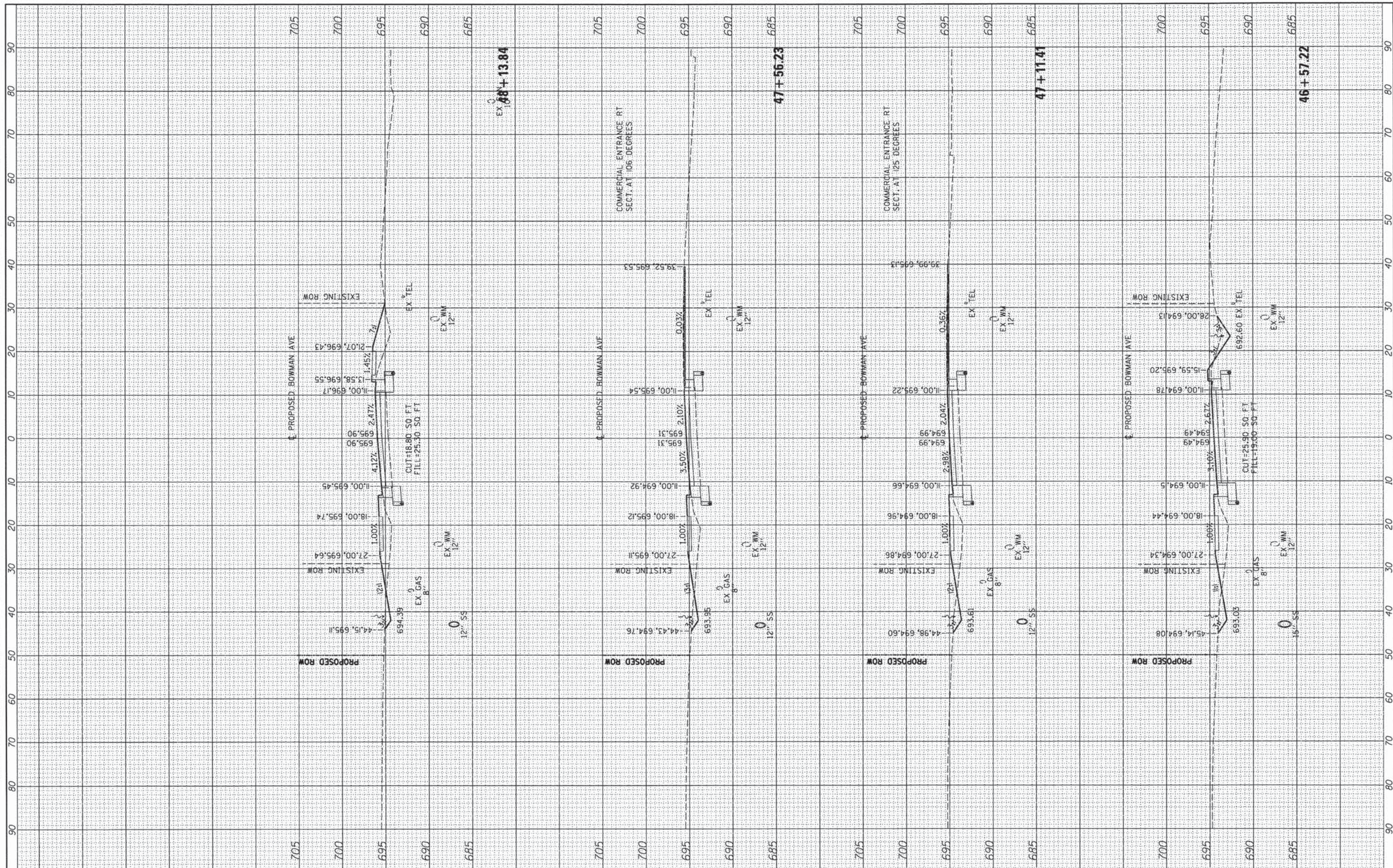
ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
NO. AREAS CHECKED	



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	PLOT SCALE = 20,0000 ' / in.	DRAWN - r. johnson	REVISED -		CONTRACT NO. 91494				
	PLOT DATE = 02/18/2014	CHECKED - m. heyen	REVISED -		ILLINOIS FED. AID PROJECT				
		DATE - 02/18/2014	REVISED -						

FINL SURVEY NO.	DATE
SURVEY PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	

ORIGINAL SURVEY NO.	DATE
SURVEY PLOTTED TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	



FILE NAME =	USER NAME = <b>aster-89685</b>	DESIGNED - m. heyen	REVISED -
I:\88 Jobs\09-00334-02-PV\Road\Sheet\090833482PV\c-3bowmen82-1.dgn		DRAWN - r. Johnson	REVISED -
		CHECKED - m. heyen	REVISED -
		DATE - 02/18/2014	REVISED -

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

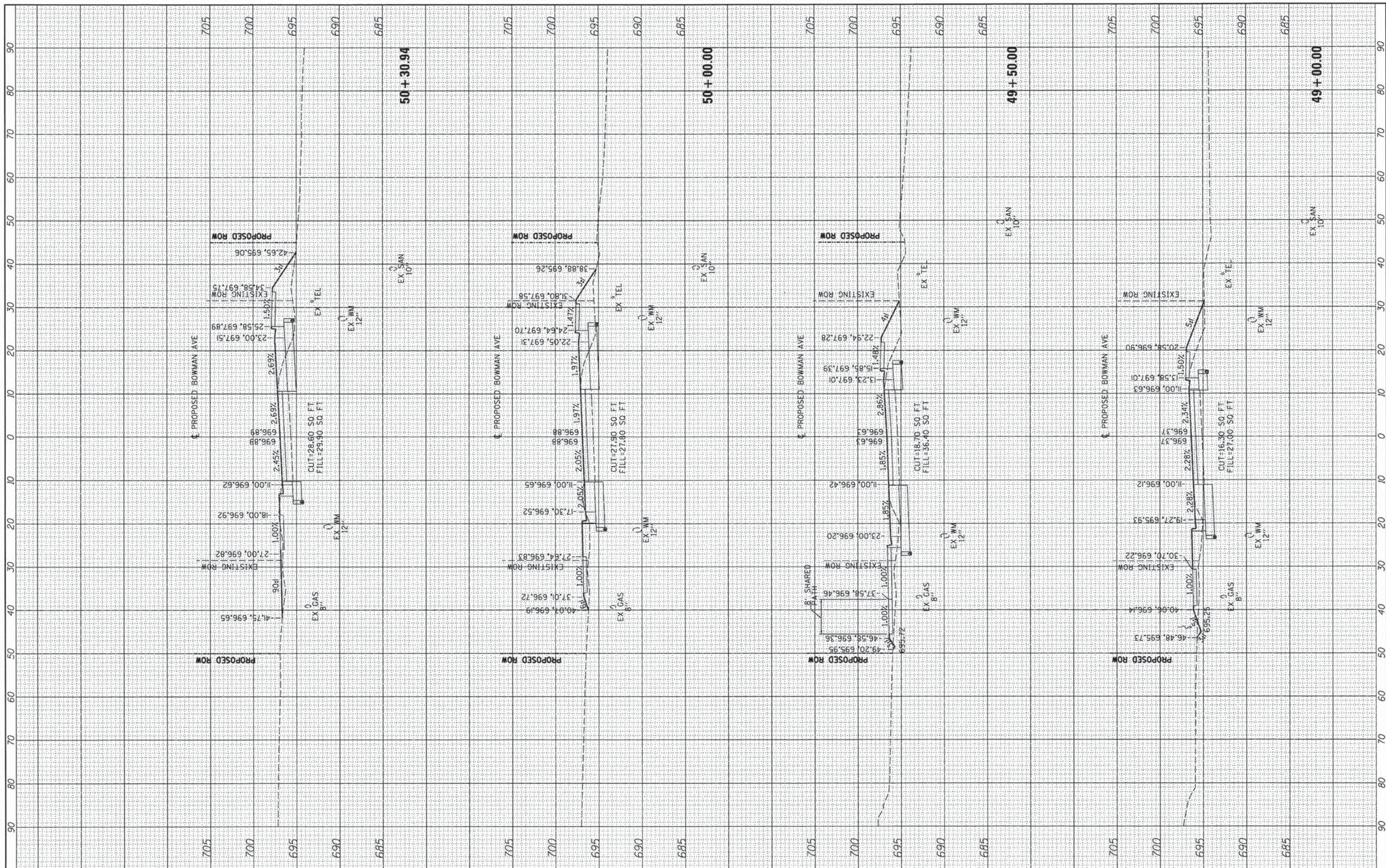
**BOWMAN AVE - CROSS SECTIONS**

1"=5' VERT.  
SCALE: 1"=10' HORIZ. SHEET 21 OF 27 SHEETS STA. 46+57.22 TO STA. 48+13.84

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	58
C-95-330-13		CONTRACT NO.	91494	
[ILLINOIS] FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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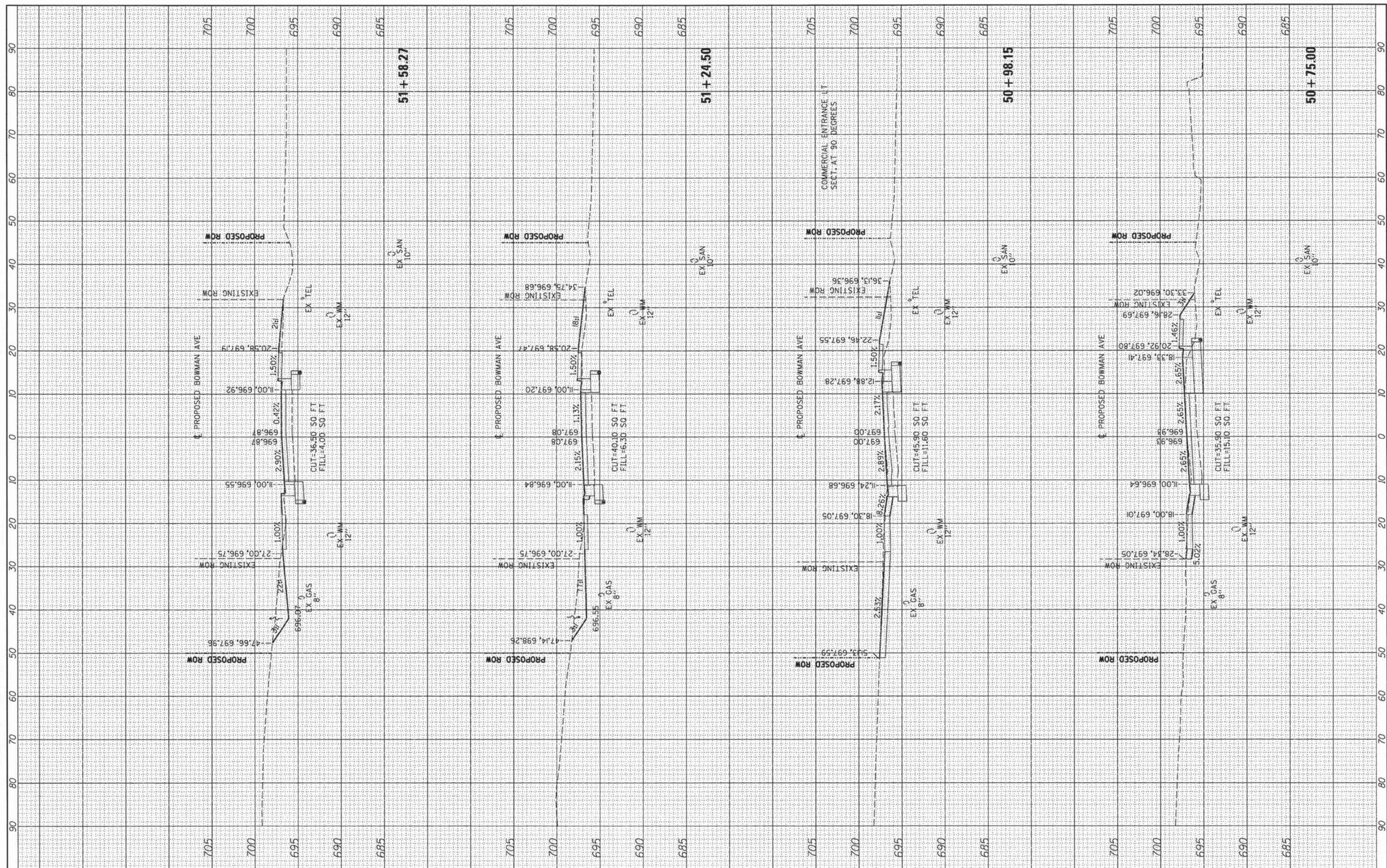
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = aster00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> 1"=5' VERT. SCALE: 1"=10' HORIZ. SHEET 22 OF 27 SHEETS STA. 49+00.00 TO STA. 50+30.94	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\08\john\08\42262\408\Road\Sheet\090033402PV1.e-3bowman02-1.dgn		DRAWN - r. johnson	REVISED -		7045	09-00334-02-PV	VERMILION	64	59
PLOT SCALE = 20,000 / 111		CHECKED - m. heyen	REVISED -		C-95-330-13		CONTRACT NO.	91494	
PLOT DATE = 02/18/2014		DATE - 02/18/2014	REVISED -		ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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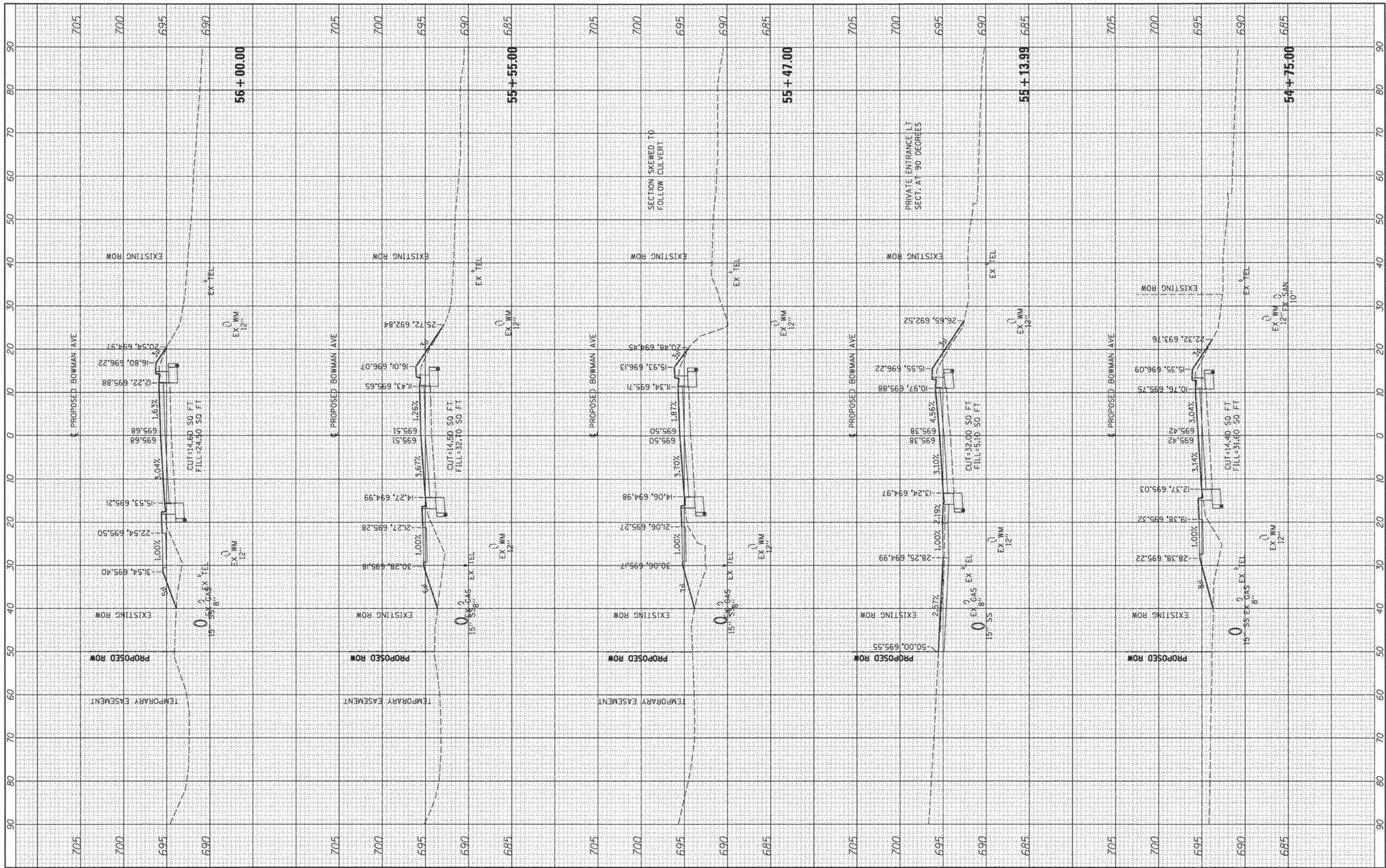


FILE NAME =	USER NAME = oster-00605	DESIGNED - m. heyen	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> SCALE: 1"=10' HORIZ. SHEET 23 OF 27 SHEETS STA. 50+75.00 TO STA. 51+58.27	<b>BOWMAN AVE - CROSS SECTIONS</b> 1"=5' VERT.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
I:\08john\08-02-02\02-02\Road\Sheet\090033402PV	c-3bowman02-1.dgn	DRAWN - r. johnson	REVISED -			7045	09-00334-02-PV	VERMILION	64	60	
	PLOT SCALE = 20,0000 ' / in.	CHECKED - m. heyen	REVISED -			C-95-330-13					
	PLOT DATE = 02/18/2014	DATE - 02/18/2014	REVISED -			ILLINOIS FED. AID PROJECT CONTRACT NO. 91494					



FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED	BY	DATE
NO.		

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DESIGNED - m. heyen  
 DRAWN - r. Johnson  
 CHECKED - m. heyen  
 DATE - 02/18/2014

REVISED -  
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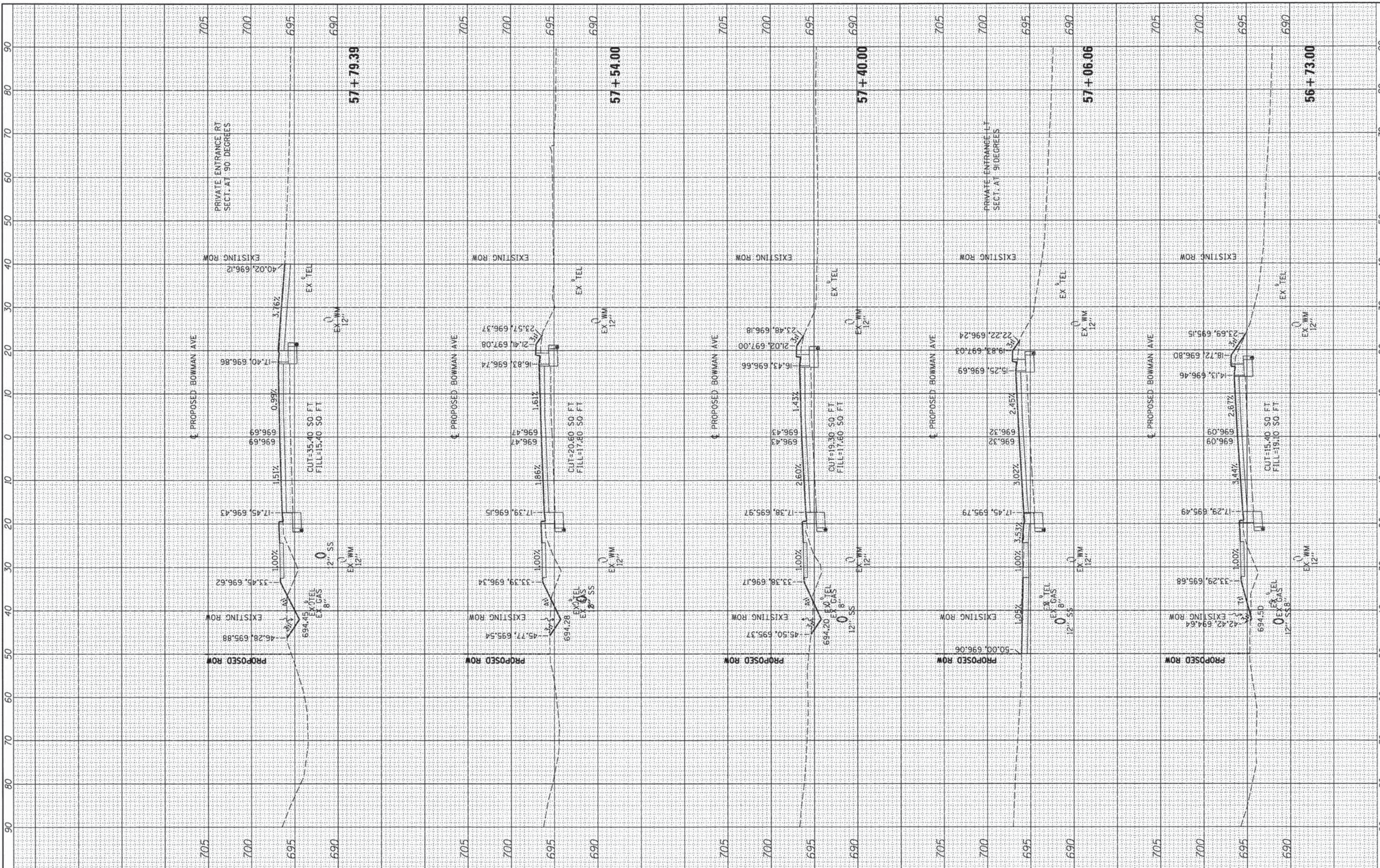
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BOWMAN AVE - CROSS SECTIONS**  
 1"=5' VERT.  
 SCALE: 1"=10' HORIZ. SHEET 25 OF 27 SHEETS STA. 54+75.00 TO STA. 56+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	62
C-95-330-13		CONTRACT NO.	91494	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEY PLOTTED TEMPLATE AREAS CHECKED
BY	DATE

ORIGINAL SURVEY NO.	SURVEY PLOTTED TEMPLATE AREAS CHECKED
BY	DATE



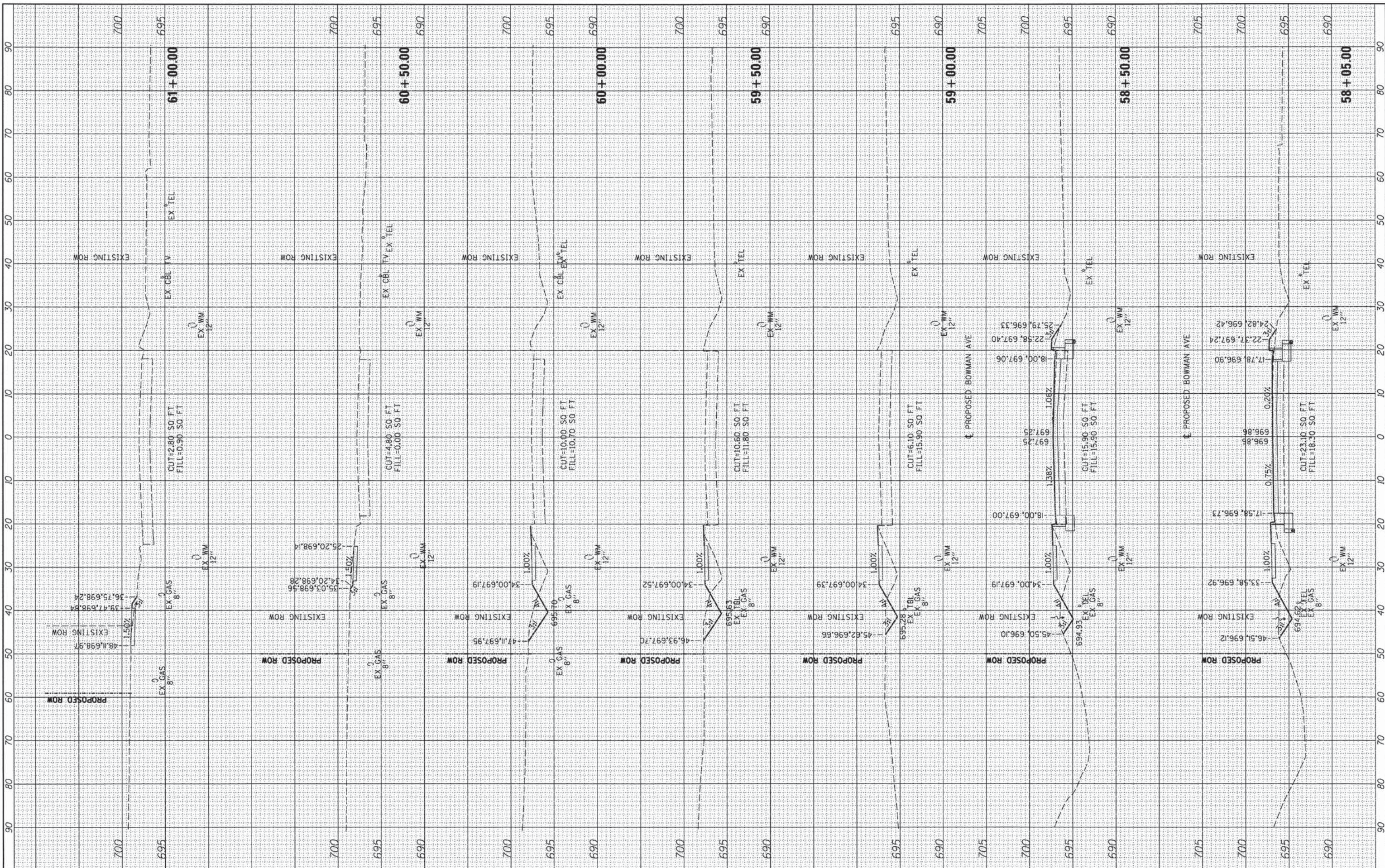
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DESIGNED -	m. heyen
DRAWN -	r. johnson
CHECKED -	m. heyen
DATE -	02/18/2014
REVISIONS	REVISED -
	REVISED -
	REVISED -
	REVISED -

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>BOWMAN AVE - CROSS SECTIONS</b>	F.A. RTE. 7045	SECTION 09-00334-02-PV C-95-330-13	COUNTY VERMILION	TOTAL SHEETS 64	SHEET NO. 63
SCALE: 1"=10' HORIZ. SHEET 26 OF 27 SHEETS		1"=5' VERT.		CONTRACT NO. 91494			
				ILLINOIS FED. AID PROJECT			

CONTRACT NO.	91494
ILLINOIS FED. AID PROJECT	

ORIGINAL SURVEY	DATE
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ORIGINAL SURVEY	DATE
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 PLOT SCALE = 28,0000 \* / in.  
 PLOT DATE = 02/18/2014

DESIGNED - m. heyen  
 REVISED -  
 DRAWN - r. johnson  
 REVISED -  
 CHECKED - m. heyen  
 REVISED -  
 DATE - 02/18/2014  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BOWMAN AVE - CROSS SECTIONS

1"=5' VERT.  
 SCALE: 1"=10' HORIZ. SHEET 27 OF 27 SHEETS STA. 58+05.00 TO STA. 61+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7045	09-00334-02-PV	VERMILION	64	64
	C-95-330-13	CONTRACT NO.	91494	
	ILLINOIS FED. AID PROJECT			