ROADWAY LIGHTING NOTES:

1. PRIOR TO THE INSTALLATION OF THE NEW CABLES, UNDERGROUND CONDUITS, CONCRETE ENCASED CONDUITS, UNIT DUCTS, HANDHOLES, JUNCTION BOXES, LIGHT POLE FOUNDATIONS, CONTROLLER FOUNDATIONS AND APPURTENANCES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLES AND UNDERGROUND UTILITIES.
   THE CONTRACTOR SHALL CALL J.U.L.I.E. TO AID IN THIS TASK.

2. THE CONTRACTOR SHALL VERIFY ALL OF THE DATA SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS, WHICH WOULD AFFECT HIS WORK UNDER THIS CONTRACT.

3. ALL NEW CABLES, CONDUITS, HANDHOLES, JUNCTION BOXES AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY. PROPOSED ROUTING OF THE UNDERGROUND CONDUITS, AS SHOWN IN THE PLANS, IS FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY THE ACTUAL ROUTING LOCATION IN THE FIELD WITH THE APPROVAL OF THE ENGINEER.

4. ALL SPLICES SHALL BE HEAT SHRINK AND WATERPROOF AND INSTALLED INSIDE LIGHT POLE BASES, HANDHOLES OR JUNCTION BOXES.
   NO DIRECT BURIED SPLICES SHALL BE ALLOWED.

5. LUMINAIRES MUST BE INSTALLED ON LIGHT STANDARDS WITHIN A MAXIMUM OF 48 HOURS AFTER LIGHT STANDARD IS ERECTED.

6. THE ELECTRICAL MATERIAL SHALL BE NEW AND OF THE TYPE AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS:

   NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
   INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
   ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA
   AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
   U.S. DEPARTMENT OF TRANSPORTATION
   UNDERWRITERS LABORATORIES
   AMERICAN STANDARD INSTITUTE
   INSULATED POWER CABLE ENGINEERS ASSOCIATION

7. UNDERGROUND CONDUITS AND CABLE DUCTS SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICTS WITH UNDERDRAINS AND OTHER UTILITES.

8. WHERE MULTIPLE CABLE DUCTS OR UNDERGROUND CONDUITS ADJACENT TO EACH OTHER ARE INSTALLED IN A COMMON TRENCH, TRENCH AND BACKFILL SHALL BE CONTINUOUS BETWEEN EACH CABLE DUCT OR UNDERGROUND CONDUIT FOR THE LENGTH OF THE COMMON TRENCH.

9. PROPOSED UTILITY POLES SHALL BE INSTALLED BY COMMONWEALTH EDISON CO. CONTRACTOR SHALL INSTALL UNDERGROUND CONDUITS, GROUNDING, DISCONNECT SWITCH, AND ANY SECONDARY CONDUCTORS TO THE UTILITY POLE. COORDINATE ALL WORK WITH COMMONWEALTH EDISON CO. REFER TO LIGHTING CONTROLLER DETAIL.

10. THE CONTRACTOR SHALL PREPARE A SCHEDULE WHEN THE PROJECT COMMENCES, WHICH ESTABLISHES THE DATE WHEN ELECTRICAL SERVICES ARE REQUIRED. THIS SCHEDULE SHALL BE FORWARDED IN WRITING TO COMMONWEALTH EDISON CO. SUBSEQUENT UPDATING TO THE SCHEDULE SHALL ALSO BE FORWARDED TO COMMONWEALTH EDISON CO. AS CHANGES OCCUR A MINIMUM OF FIVE (5) DAYS BEFORE ELECTRICAL SERVICES ARE REQUIRED. THE CONTRACTOR SHALL NOTIFY COMMONWEALTH EDISON BY PHONE AND IN WRITING TO CONFIRM THE REQUIREMENT.

11. FORTY-EIGHT (48) HOURS PRIOR TO THE REMOVAL OF ALL EXISTING LIGHTING POLES AND APPURTENANCES, THE CONTRACTOR SHALL CONTACT THE ENGINEER AND MR. JOHN ANDREE AT (815) 987-5535. ALL EXISTING LIGHT POLES AND APPURTENANCES SHALL BE REMOVED AND RETURNED TO :

    THE CITY OF ROCKFORD
    500 SOUTH INDEPENDENCE AVENUE
    ROCKFORD, ILLINOIS 61102

12. FORTY-EIGHT (48) HOURS PRIOR TO EXCAVATION FOR PROPOSED ROADWAY LIGHTING FOUNDATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE CITY OF ROCKFORD AFTER FIELD STAKING HAS OCCURRED TO VERIFY AND APPROVE ALL FOUNDATION LOCATIONS.

13. DEPENDENT ON THE LIGHTING FOUNDATION LOCATIONS, MAST ARM LENGTHS (6', 8', 10' OR 12') WILL BE DETERMINED BY THE ENGINEER AND CITY OF ROCKFORD. ADDITIONAL MAST ARMS OF VARYING LENGTH (8', 10' AND 12') MAY NEED TO BE ORDERED DEPENDING ON THE FIELD FINDINGS. NO LIGHT POLES SHALL BE INSTALLED WITHOUT APPROVAL OF THE ENGINEER. ⚠1

ROADWAY LIGHTING SUMMARY OF QUANTITIES

ITEM NUMBER	SP	PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY
1		80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
2		81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	170 ⚠1
3		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1,875
4	*	81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	1,950
5	*	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	3,250
6		81400100	HANDHOLE	EACH	4
7	*	81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	7 ** ⚠1
8		81603037	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	9,185
9		81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1,385 ⚠1
10		82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100 AMP	EACH	2
11	*	83008200	LIGHT POLE, ALUMINUM, 40 FT. M.H., 6 FT. MAST ARM	EACH	44
12	*	83008300	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM	EACH	4
13	*	83008400	LIGHT POLE, ALUMINUM, 40 FT. M.H., 10 FT. MAST ARM	EACH	4
14	*	83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	4 ⚠1
15		83600200	LIGHT POLE FOUNDATION , 24" DIAMETER	FOOT	572 ⚠1
16	*	X8210677	LUMINAIRE, PULSE START, METAL HALIDE, HORIZONTAL MOUNT 400 WATT	EACH	44 ⚠1

* INDICATES SPECIAL PROVISION
** INDICATES TWO (2) EXTRA TYPE 1 HANDHOLES TO BE INSTALLED PER THE CITY OF ROCKFORD'S DIRECTION

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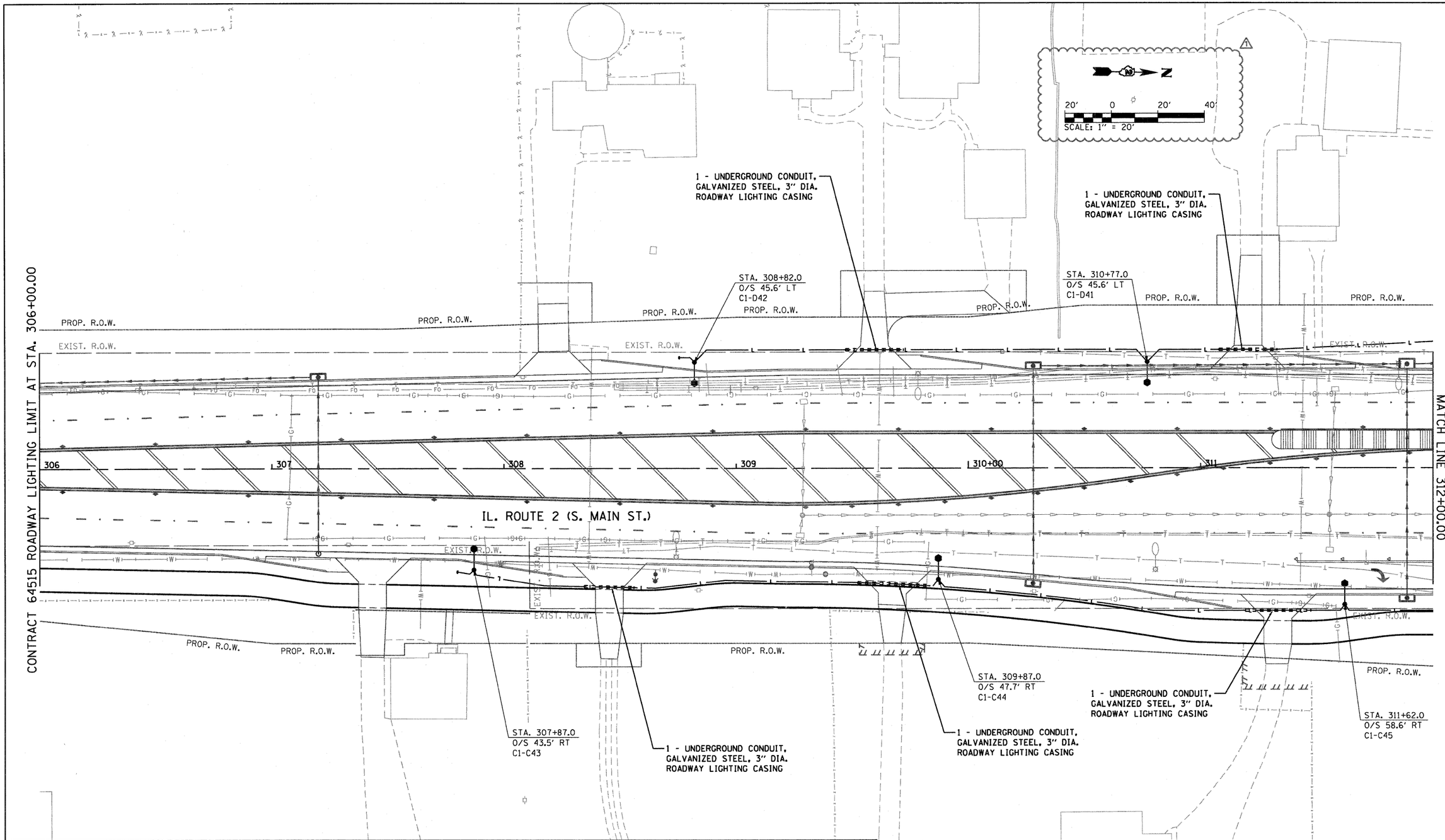
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING NOTES
AND ROADWAY LIGHTING SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 1 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	301
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

DIRECTORY = L:\ROCKFORD\1126804\Draw\CADD_Sheets\D264515_Mesmer\...



LEGEND

- EXISTING ROADWAY LIGHTPOLE AND LUMINAIRE TO BE REMOVED, SALVAGE
- PROPOSED DECORATIVE LIGHT POLE AND LUMINAIRE ALUMINUM, 40 FT. M.H., PULSE START METAL HALIDE, HORIZONTAL MOUNT 400 WATT (SEE NOTE 13 ON SHEET 301)
- —IC— PROPOSED UNDERGROUND CONDUIT, HDPE SDR-11, 1½" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UTILITY POLE (BY OTHERS)
- PROPOSED LIGHTING CONTROLLER, 100 AMP, 480V
- HH = PROPOSED HANDHOLE PER IDOT STD 814001
  CHH = PROPOSED HANDHOLE, COMPOSITE CONCRETE TYPE AS INDICATED
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, BORED AND PULLED, SIZE AND CONDUCTORS AS INDICATED
- —L— PROPOSED UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1¼" DIA. POLYETHYLENE
- —FO— PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, SIZE AND CONDUCTORS AS INDICATED

NOTES:

1. REFER TO ROADWAY LIGHTING NOTES ON SHEET 301.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
F.A.P. 742 (IL RTE 2)

SCALE: 1" = 20' | SHEET 2 OF 20 SHEETS | STA. 306+00 TO STA. 312+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	302
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

DIRECTORY = L:\ROCKFORD\112600A\Draw\CADD_Sheets\D2645l5_Missman\...

1 - UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. ROADWAY LIGHTING CASING

STA. 312+57.0
O/S 55.3' LT
C1-D40

1 - UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. ROADWAY LIGHTING CASING

1 - UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. ROADWAY LIGHTING CASING

STA. 314+32.0
O/S 56.6' LT
C1-D39

SCALE: 1" = 20'

SEE TRAFFIC SIGNAL INSTALLATION PLAN
IL ROUTE 2 AND HARRISON AVENUE

IDOT-HH-01
STA. 316+57.09
O/S 121.05' LT

CHH-FO-01
TYPE 2 (SEE NOTE 2)
STA. 316+80
O/S 83.9' LT

PROP. R.O.W.
STA. 317+76.0
O/S 57.6' LT
C2-A7

MATCH LINE 312+00.00

MATCH LINE 318+00.00

SPRINGFIELD AVENUE

IL. ROUTE 2 (S. MAIN ST.)

IL. ROUTE 2 (S. MAIN ST.)

HARRISON AVENUE

STA. 313+42.0
O/S 58.6' RT
C1-C46

1 - UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. ROADWAY LIGHTING CASING

3 - UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. ROADWAY LIGHTING CASING

STA. 317+06.0
O/S 46.4' RT
C2-C6

CONTROLLER "C1"
100A, 480V
STA. 316+58, 92.0' RT

PROPOSED UTILITY POLE AND TRANSFORMER (BY OTHERS) SEE NOTE 10.

LEGEND

- EXISTING ROADWAY LIGHTPOLE AND LUMINAIRE TO BE REMOVED, SALVAGE
- PROPOSED DECORATIVE LIGHT POLE AND LUMINAIRE ALUMINUM, 40 FT. M.H., PULSE START METAL HALIDE, HORIZONTAL MOUNT 400 WATT (SEE NOTE 13 ON SHEET 301)
- IC — PROPOSED UNDERGROUND CONDUIT, HDPE SDR-11, 1½" DIA. WITH PULL STRING AND TRACER WIRE
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  CHH = PROPOSED HANDHOLE, COMPOSITE CONCRETE TYPE AS INDICATED
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- —L— PROPOSED UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1¼" DIA. POLYETHYLENE
- —FO— PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, SIZE AND CONDUCTORS AS INDICATED

NOTES:

1. REFER TO ROADWAY LIGHTING NOTES ON SHEET 301.
2. SEE "HANDHOLE, COMPOSITE CONCRETE" SPECIAL PROVISION FOR HANDHOLE SIZES.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
F.A.P. 742 (IL RTE 2)

SCALE: 1" = 20' | SHEET 3 OF 20 SHEETS | STA. 312+00 TO STA. 318+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	303
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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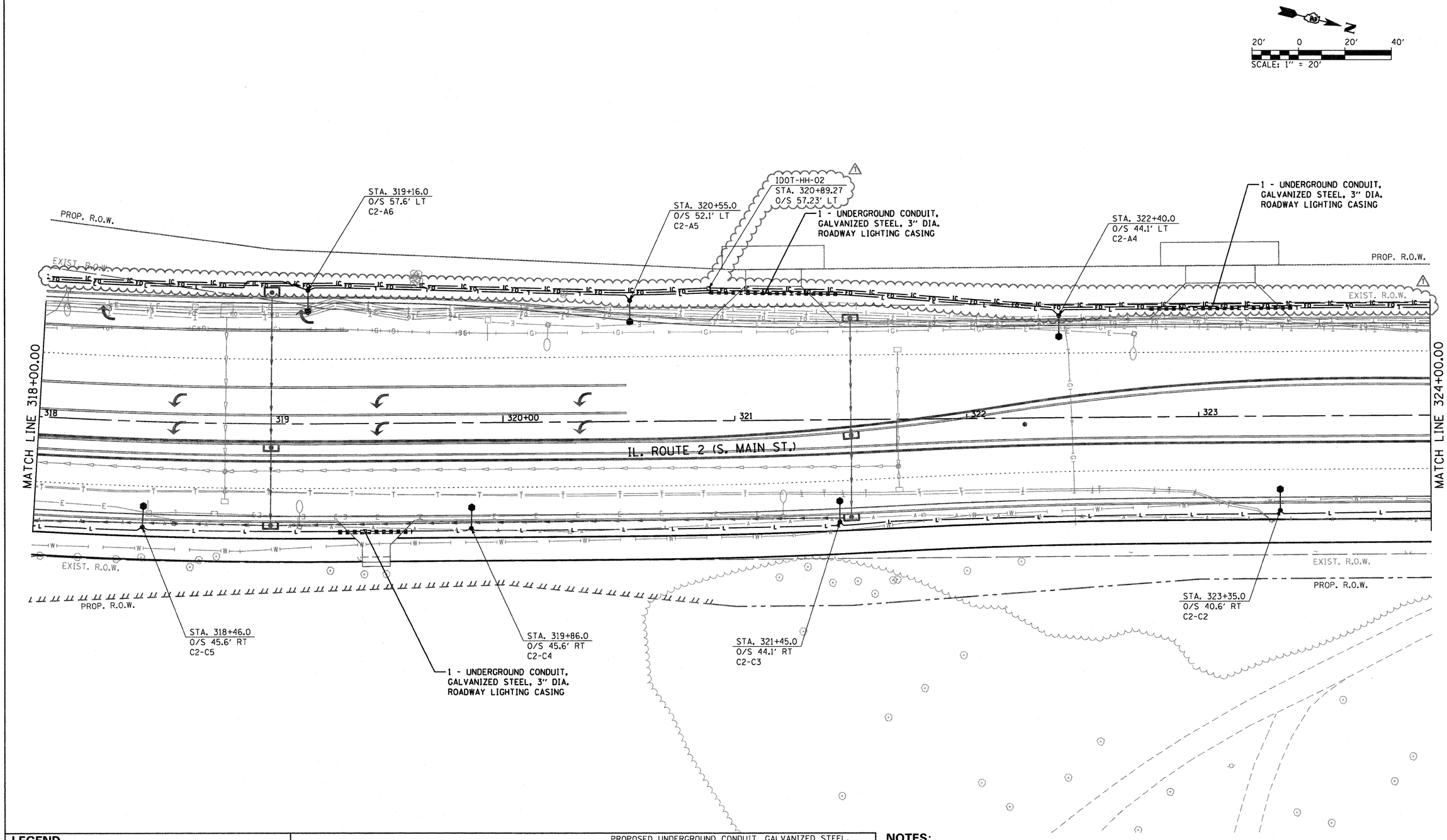

LEGEND

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- PROPOSED DECORATIVE LIGHT POLE AND LUMINAIRE ALUMINUM, 40 FT. M.H., PULSE START METAL HALIDE, HORIZONTAL MOUNT 400 WATT (SEE NOTE 13 ON SHEET 301)
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- —FO— PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, SIZE AND CONDUCTORS AS INDICATED

NOTES:

1. REFER TO ROADWAY LIGHTING NOTES ON SHEET 301.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
F.A.P. 742 (IL RTE 2)

SCALE: 1" = 20' | SHEET 4 OF 20 SHEETS | STA. 318+00 TO STA. 324+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	304
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

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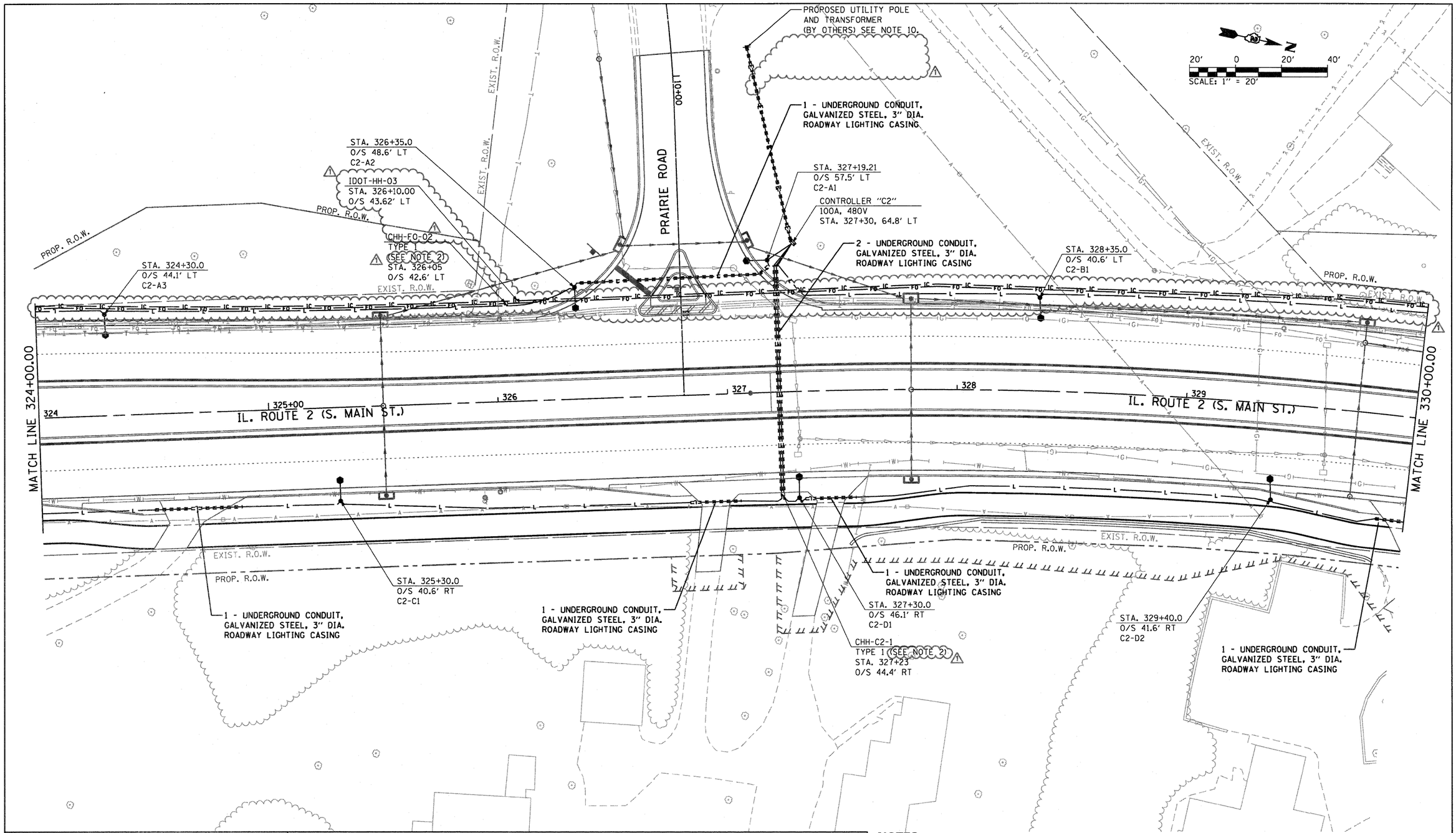

LEGEND

- EXISTING ROADWAY LIGHTPOLE AND LUMINAIRE TO BE REMOVED, SALVAGE
- PROPOSED DECORATIVE LIGHT POLE AND LUMINAIRE ALUMINUM, 40 FT. M.H., PULSE START METAL HALIDE, HORIZONTAL MOUNT 400 WATT (SEE NOTE 13 ON SHEET 301)
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- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, SIZE AND CONDUCTORS AS INDICATED

NOTES:

1. REFER TO ROADWAY LIGHTING NOTES ON SHEET 301.
2. SEE "HANDHOLE, COMPOSITE CONCRETE" SPECIAL PROVISION FOR HANDHOLE SIZES.

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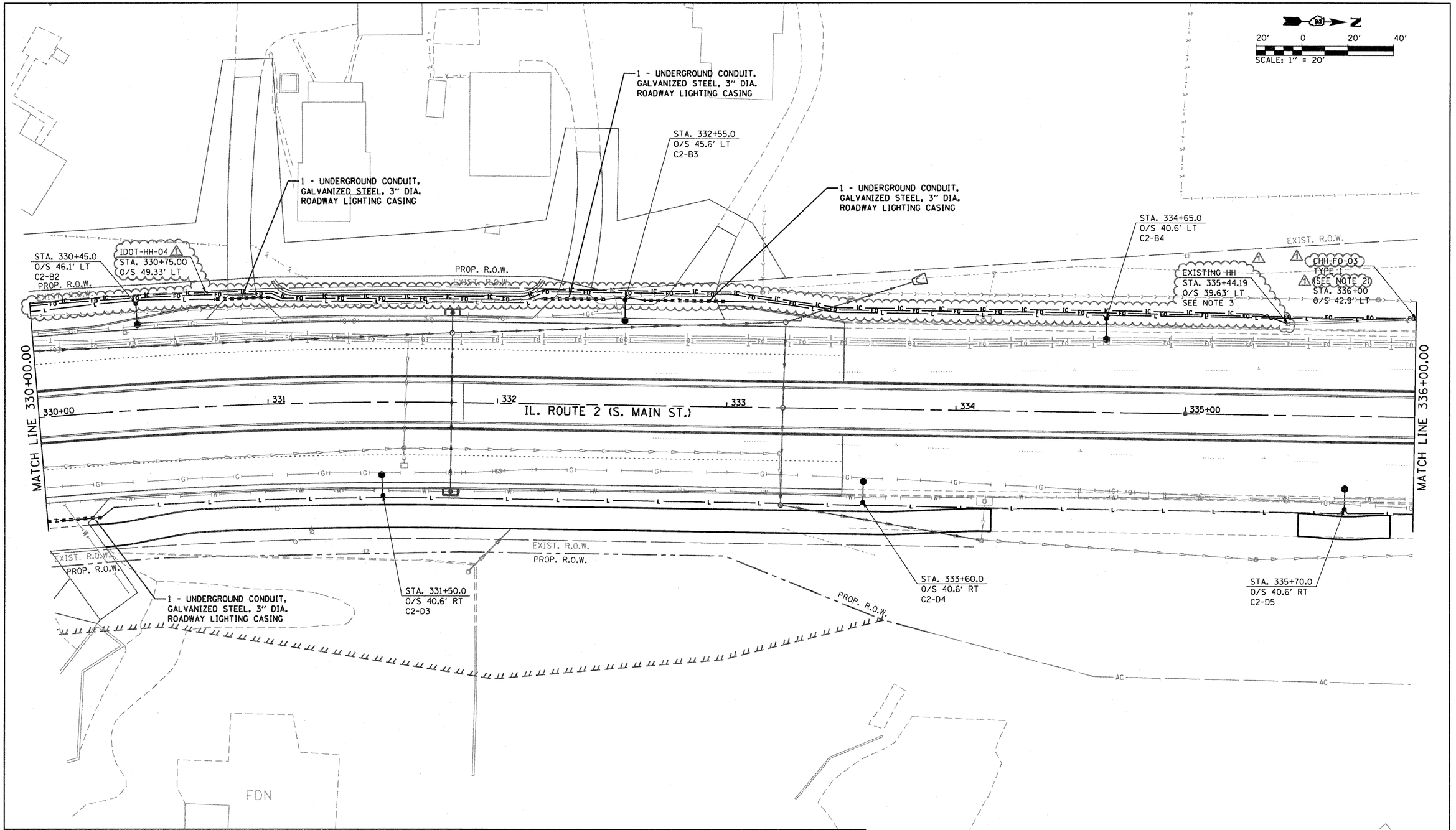
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
F.A.P. 742 (IL RTE 2)

SCALE: 1" = 20' | SHEET 5 OF 20 SHEETS | STA. 324+00 TO STA. 330+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	305
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

DIRECTORY = L:\ROCKFORD\1128084\Dgn\CADD_Sheets\D264515_Mssmann\...



LEGEND

- EXISTING ROADWAY LIGHTPOLE AND LUMINAIRE TO BE REMOVED, SALVAGE
- PROPOSED DECORATIVE LIGHT POLE AND LUMINAIRE ALUMINUM, 40 FT. M.H., PULSE START METAL HALIDE, HORIZONTAL MOUNT 400 WATT (SEE NOTE 13 ON SHEET 301)
- IC — PROPOSED UNDERGROUND CONDUIT, HDPE SDR-11, 1½" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UTILITY POLE (BY OTHERS)
- PROPOSED LIGHTING CONTROLLER, 100 AMP, 480V
- HH = PROPOSED HANDHOLE PER IDOT STD 814001
  CHH = PROPOSED HANDHOLE, COMPOSITE CONCRETE TYPE AS INDICATED
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, BORED AND PULLED, SIZE AND CONDUCTORS AS INDICATED.
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- FO — PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, SIZE AND CONDUCTORS AS INDICATED

NOTES:

1. REFER TO ROADWAY LIGHTING NOTES ON SHEET 301.
2. SEE "HANDHOLE, COMPOSITE CONCRETE" SPECIAL PROVISION FOR HANDHOLE SIZES.
3. CONNECTION INTO THE EXISTING IDOT HANDHOLE SHALL BE INCIDENTAL AND INCLUDED IN THE COST FOR UNDERGROUND CONDUIT.

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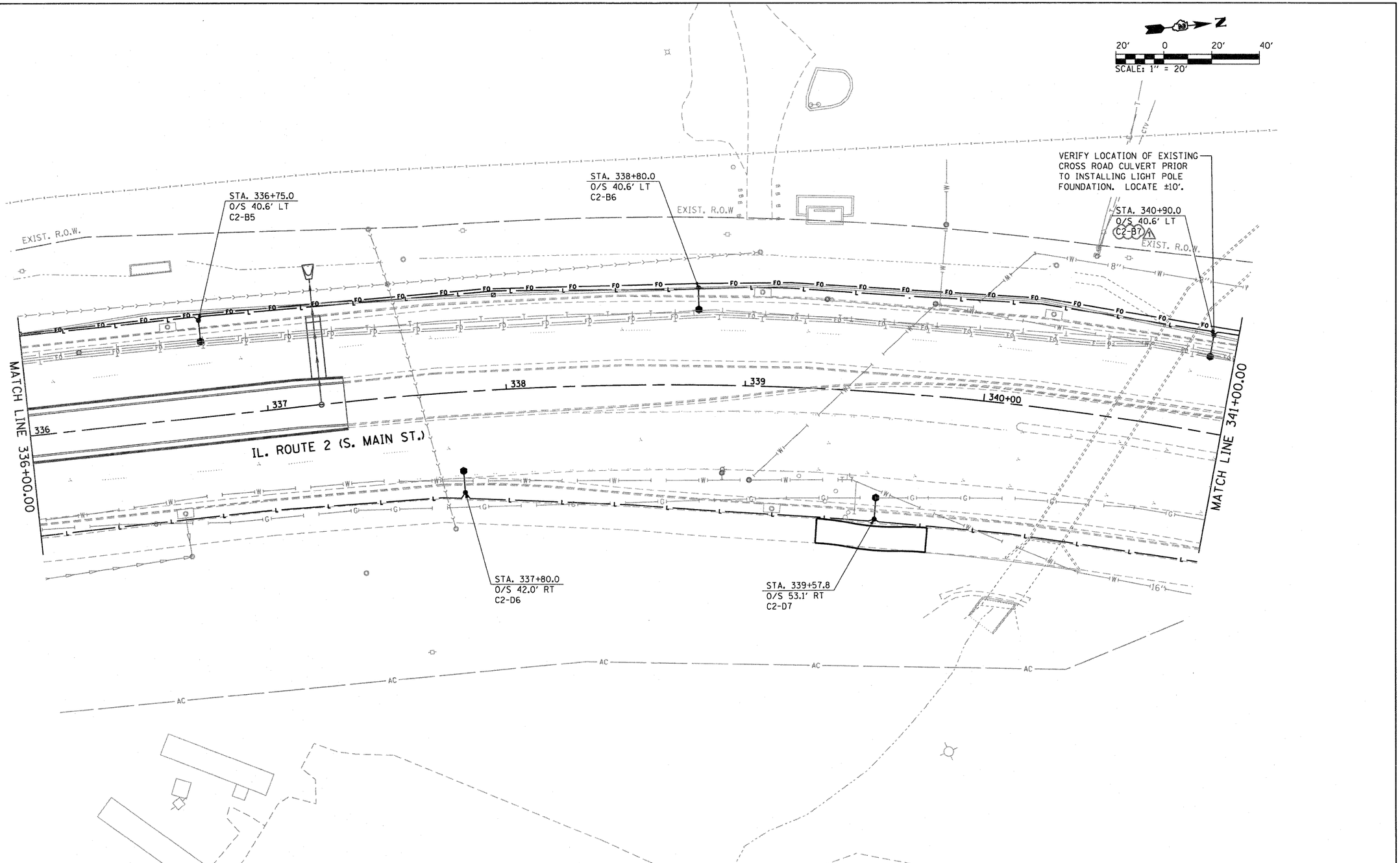
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
F.A.P. 742 (IL RTE 2)

SCALE: 1" = 20' | SHEET 6 OF 20 SHEETS | STA. 330+00 TO STA. 336+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	306
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

DIRECTORY = L:\ROCKFORD\126004\Drawings\CADD_Sheets\D264515_Missman\...



LEGEND

- EXISTING ROADWAY LIGHTPOLE AND LUMINAIRE TO BE REMOVED, SALVAGE
- PROPOSED DECORATIVE LIGHT POLE AND LUMINAIRE ALUMINUM, 40 FT. M.H., PULSE START METAL HALIDE, HORIZONTAL MOUNT 400 WATT (SEE NOTE 13 ON SHEET 301)
- —IC— PROPOSED UNDERGROUND CONDUIT, HDPE SDR-11, 1½" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UTILITY POLE (BY OTHERS)
- PROPOSED LIGHTING CONTROLLER, 100 AMP, 480V
- HH = PROPOSED HANDHOLE PER IDOT STD 814001
  CHH = PROPOSED HANDHOLE, COMPOSITE CONCRETE TYPE AS INDICATED
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, BORED AND PULLED, SIZE AND CONDUCTORS AS INDICATED.
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- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, SIZE AND CONDUCTORS AS INDICATED

NOTES:

1. REFER TO ROADWAY LIGHTING NOTES ON SHEET 301.

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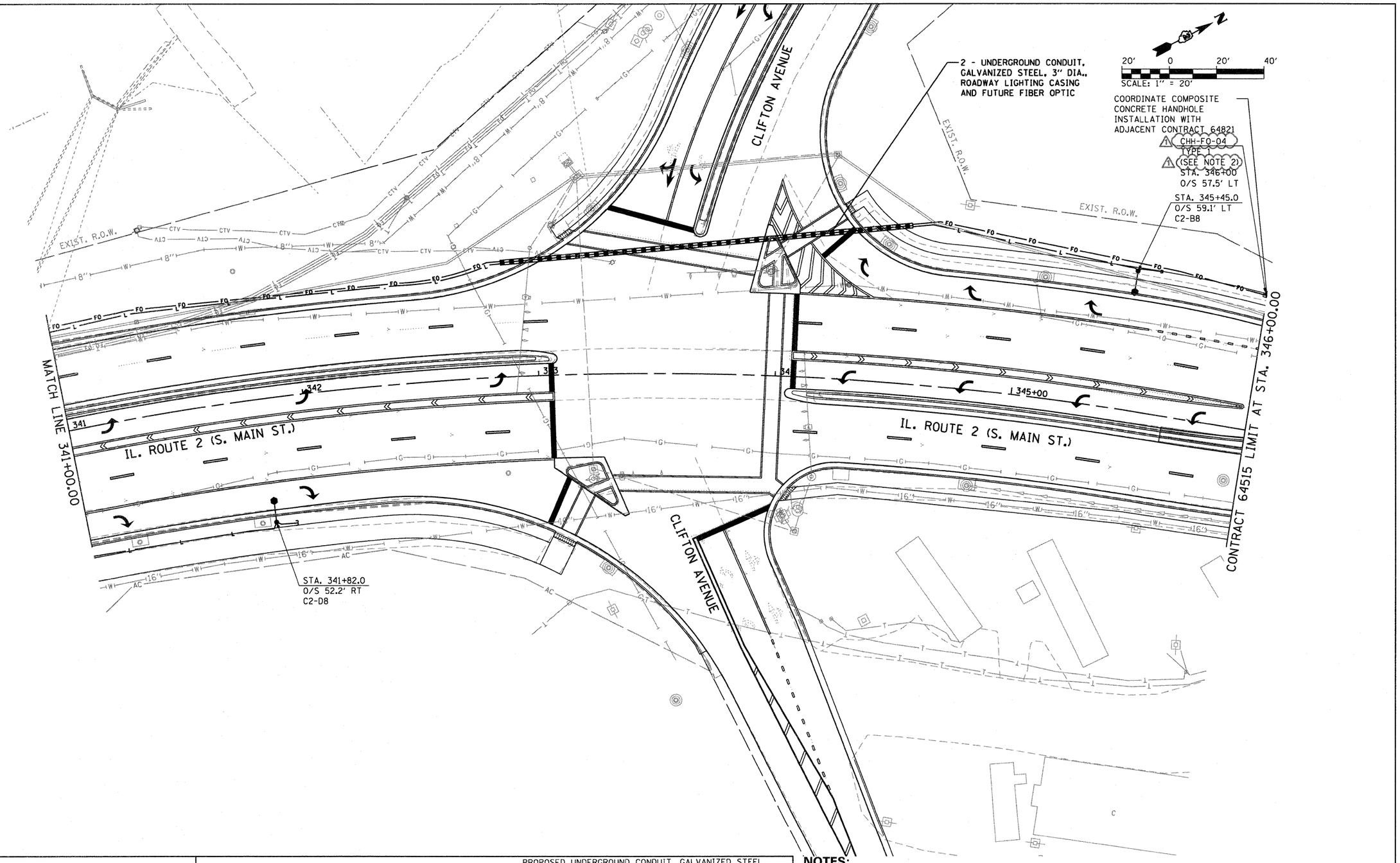
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
F.A.P. 742 (IL RTE 2)

SCALE: 1" = 20' | SHEET 7 OF 20 SHEETS | STA. 336+00 TO STA. 341+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	307
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

DIRECTORY = L:\ROCKFORD\112880\01-ex\CADD_Sheets\D264515_Mtseman\...



LEGEND

- EXISTING ROADWAY LIGHTPOLE AND LUMINAIRE TO BE REMOVED, SALVAGE
- PROPOSED DECORATIVE LIGHT POLE AND LUMINAIRE ALUMINUM, 40 FT. M.H., PULSE START METAL HALIDE, HORIZONTAL MOUNT 400 WATT (SEE NOTE 13 ON SHEET 301)
- —IC— PROPOSED UNDERGROUND CONDUIT, HDPE SDR-11, 1½" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UTILITY POLE (BY OTHERS)
- PROPOSED LIGHTING CONTROLLER, 100 AMP, 480V
- HH = PROPOSED HANDHOLE PER IDOT STD 814001
  CHH = PROPOSED HANDHOLE, COMPOSITE CONCRETE TYPE AS INDICATED
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, BORED AND PULLED, SIZE AND CONDUCTORS AS INDICATED
- —L— PROPOSED UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1¼" DIA. POLYETHYLENE
- —FO— PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, SIZE AND CONDUCTORS AS INDICATED

NOTES:

1. REFER TO ROADWAY LIGHTING NOTES ON SHEET 301.
2. SEE "HANDHOLE, COMPOSITE CONCRETE" SPECIAL PROVISION FOR HANDHOLE SIZES.

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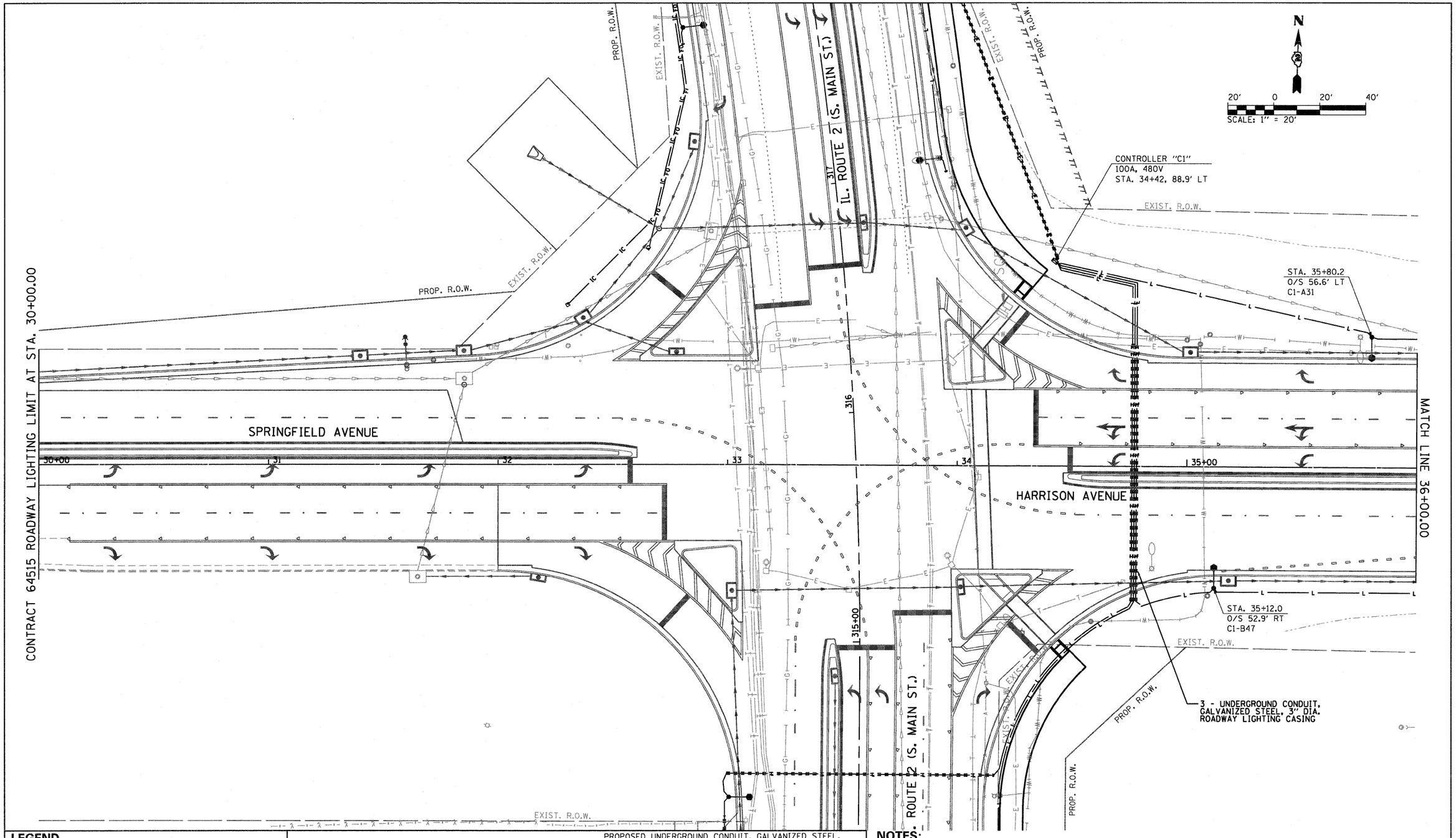
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
F.A.P. 742 (IL RTE 2)

SCALE: 1" = 20' | SHEET 8 OF 20 SHEETS | STA. 341+00 TO STA. 346+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	308
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

DIRECTORY = L:\ROCKFORD\1126804\Drwg\CADD Sheets\D2645I5_Missman\...



LEGEND

- EXISTING ROADWAY LIGHTPOLE AND LUMINAIRE TO BE REMOVED, SALVAGE
- PROPOSED DECORATIVE LIGHT POLE AND LUMINAIRE ALUMINUM, 40 FT. M.H., PULSE START METAL HALIDE, HORIZONTAL MOUNT 400 WATT (SEE NOTE 13 ON SHEET 301)
- —IC— PROPOSED UNDERGROUND CONDUIT, HDPE SDR-11, 1½" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UTILITY POLE (BY OTHERS)
- C PROPOSED LIGHTING CONTROLLER, 100 AMP, 480V
- HH = PROPOSED HANDHOLE PER IDOT STD 814001
  CHH = PROPOSED HANDHOLE, COMPOSITE CONCRETE TYPE AS INDICATED
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, BORED AND PULLED, SIZE AND CONDUCTORS AS INDICATED.
- —L— PROPOSED UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1¼" DIA. POLYETHYLENE
- —FO— PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, SIZE AND CONDUCTORS AS INDICATED

NOTES:

1. REFER TO ROADWAY LIGHTING NOTES ON SHEET 301.

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PLOT DATE = 4/18/2012 - 6:15:11 PM	DATE - 01/25/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
SPRINGFIELD AVENUE /HARRISON AVENUE

SCALE: 1" = 20' | SHEET 9 OF 20 SHEETS | STA. 30+00 TO STA. 36+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	309
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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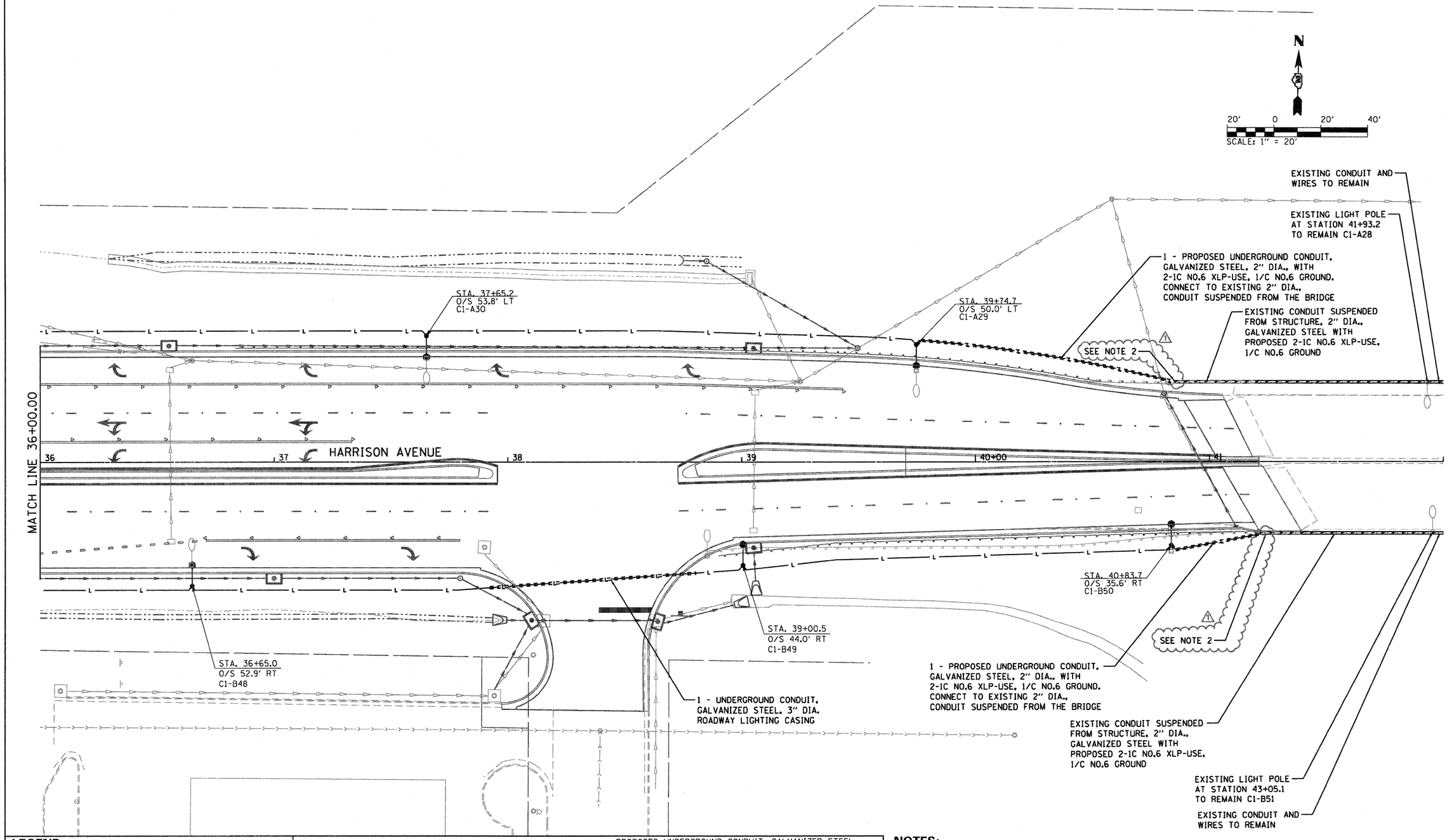

LEGEND

- EXISTING ROADWAY LIGHTPOLE AND LUMINAIRE TO BE REMOVED, SALVAGE
- PROPOSED DECORATIVE LIGHT POLE AND LUMINAIRE ALUMINUM, 40 FT. M.H., PULSE START METAL HALIDE, HORIZONTAL MOUNT 400 WATT (SEE NOTE 13 ON SHEET 301)
- IC — PROPOSED UNDERGROUND CONDUIT, HDPE SDR-11, 1½" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UTILITY POLE (BY OTHERS)
- PROPOSED LIGHTING CONTROLLER, 100 AMP, 480V
- HH = PROPOSED HANDHOLE PER IDOT STD 814001
  CHH = PROPOSED HANDHOLE, COMPOSITE CONCRETE TYPE AS INDICATED
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, BORED AND PULLED, SIZE AND CONDUCTORS AS INDICATED.
- —L— PROPOSED UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1¼" DIA. POLYETHYLENE
- —FO— PROPOSED UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA. WITH PULL STRING AND TRACER WIRE
- PROPOSED UNDERGROUND CONDUIT, GALVANIZED STEEL, SIZE AND CONDUCTORS AS INDICATED

NOTES:

1. REFER TO ROADWAY LIGHTING NOTES ON SHEET 301.
2. EXPOSE DIRECT BURIED 2" GALVANIZED STEEL CONDUIT, CUT, AND CONNECT TO PROPOSED UNDERGROUND CONDUIT.

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PLOT DATE = 4/18/2012 - 6:15:15 PM	DATE - 01/25/2012	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN
HARRISON AVENUE

SCALE: 1" = 20' | SHEET 10 OF 20 SHEETS | STA. 36+00 TO STA. 42+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	310
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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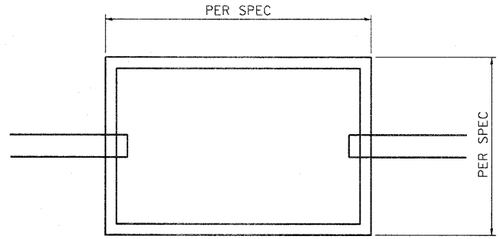
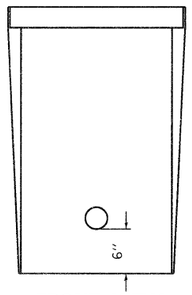
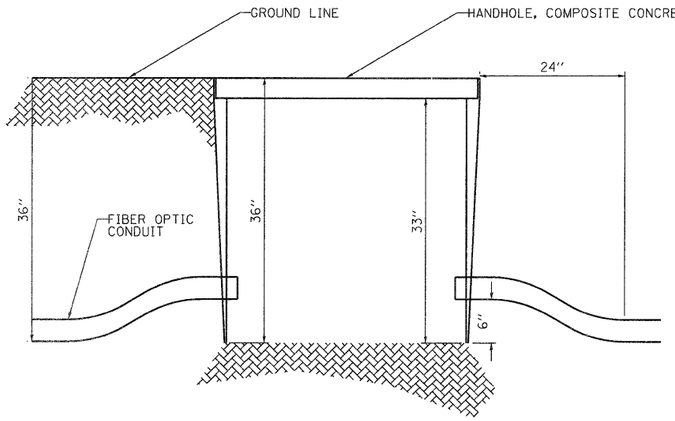


TOP VIEW



FRONT VIEW



SIDE VIEW

FIBER OPTIC HANDHOLE

1

N.T.S.

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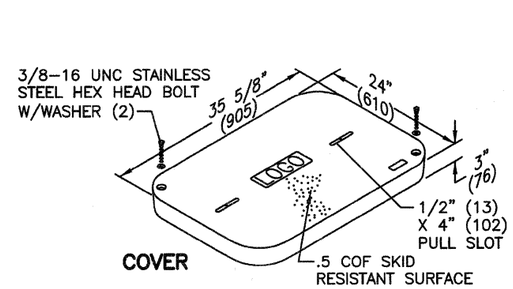
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAIL
FIBER OPTIC HANDHOLE

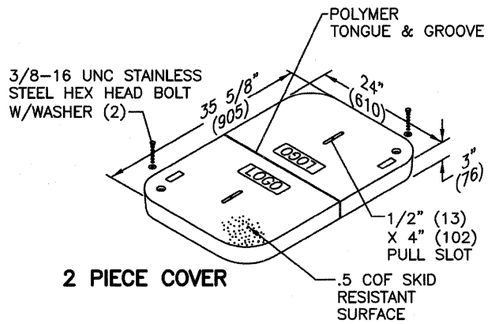
SCALE: N/A | SHEET 11 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	311
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

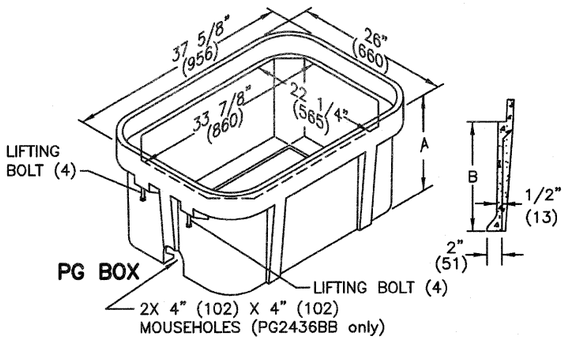
SPECIFICATIONS/DATA



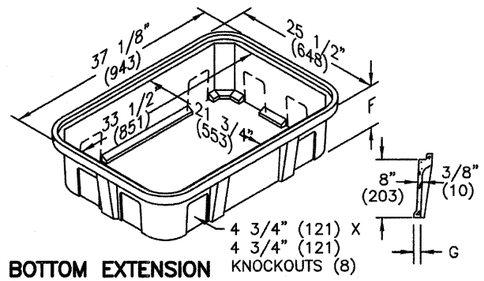
COVER



2 PIECE COVER



PG BOX



PG BOTTOM EXTENSION

24" x 36" PG Style (Stackable) Assembly

SPECIFICATIONS/DATA

Covers (Blank unless logo is specified)

DESCRIPTION	PART NO.	WEIGHT #	DESIGN/TEST LOAD #	ANSI TIER*
W/2 Bolts	PG2436CA00	100 (45 kg)	8,000 / 12,000	8
Gasketed w/2 Bolts	PG2436CG00	100 (45 kg)	8,000 / 12,000	8
2-Piece w/2 Bolts	PG2436CS00	122 (55 kg)	8,000 / 12,000	8
No Bolts	PG2436WA00	100 (45 kg)	8,000 / 12,000	8
Heavy Duty w/2 Bolts	PG2436HA00	115 (52 kg)	15,000 / 22,500	15
Gasketed Heavy Duty w/2 Bolts	PG2436HG00	115 (52 kg)	15,000 / 22,500	15
Heavy Duty 2-Piece w/2 Bolts	PG2436HS00	122 (55 kg)	15,000 / 22,500	15
Heavy Duty w/2 Bolts	PG2436HH00	122 (55 kg)	22,500 / 33,750	22

SEE NOTE 1

1. Gasketed covers and bolt grommets must be used with a gasketed box. Gaskets reduce the inflow of fluids but do not make the enclosure water-tight.

PG Boxes (Stackable with self-aligning, replaceable EZ Nut) **24" - 42" Deep boxes must be used as bottom of any stack.)

DESCRIPTION	PART NO.	WEIGHT #	DIMENSION A	DIMENSION B	DESIGN/TEST LOAD #	ANSI TIER*
Open Bottom	PG2436BA18	141 (64 kg)	18" (457 mm)	15" (381 mm)	22,500 / 33,750	22
	PG2436BA24	180 (81.6 kg)	24" (610 mm)	21" (533 mm)	22,500 / 33,750	22
	PG2436BA30	196 (88.9 kg)	30" (762 mm)	27" (686 mm)	22,500 / 33,750	22
	PG2436BA36	254 (115 kg)	36" (914 mm)	33" (838 mm)	22,500 / 33,750	22
	PG2436BA42	293 (133 kg)	42" (1067 mm)	39" (991 mm)	22,500 / 33,750	22
Open Bottom w/2 Mouseholes	PG2436BB18	139 (63.1 kg)	18" (457 mm)	15" (381 mm)	22,500 / 33,750	22
	PG2436BB24	178 (80.7 kg)	24" (610 mm)	21" (533 mm)	22,500 / 33,750	22
	PG2436BB30	194 (88.0 kg)	30" (762 mm)	27" (686 mm)	22,500 / 33,750	22
	PG2436BB36	252 (114 kg)	36" (914 mm)	33" (838 mm)	22,500 / 33,750	22
	PG2436BB42	293 (133 kg)	42" (1067 mm)	39" (991 mm)	22,500 / 33,750	22
Solid Bottom	PG2436DA18	171 (78 kg)	18 1/2" (470 mm)	15" (381 mm)	22,500 / 33,750	22
	PG2436DA24	228 (103.4 kg)	24 1/2" (622 mm)	21" (533 mm)	22,500 / 33,750	22
	PG2436DA30	238 (107.0 kg)	30 1/2" (775 mm)	27" (686 mm)	22,500 / 33,750	22
	PG2436DA36	282 (128 kg)	36 1/2" (927 mm)	33" (838 mm)	22,500 / 33,750	22
	PG2436DA42	321 (146 kg)	42 1/2" (1080 mm)	39" (991 mm)	22,500 / 33,750	22

SEE NOTE 1

NOTE:
1. OR APPROVED EQUAL

Extensions (For use under 18" deep box only, one per box.)

DESCRIPTION	PART NO.	WEIGHT #	DIMENSION F	DIMENSION G	DESIGN/TEST LOAD #	ANSI TIER*
Open Bottom	PG2436EA08	81 (37 kg)	8 3/4" (222 mm)	1" (25 mm)	22,500 / 33,750	22
Solid Bottom	PG2436RA08	95 (43.1 kg)	9 1/4" (235 mm)	N/A	22,500 / 33,750	22

Dimensions & weights in parentheses are metric equivalent.
* Loadings comply with ANSI/SCTE 77

HANDHOLES
24"X36" PG STYLE (STACKABLE) ASSEMBLY

DIRECTORY = L:\ROCKFORD\1126084\D-cw\CADD_Sheets\D2645I5_Musman\...

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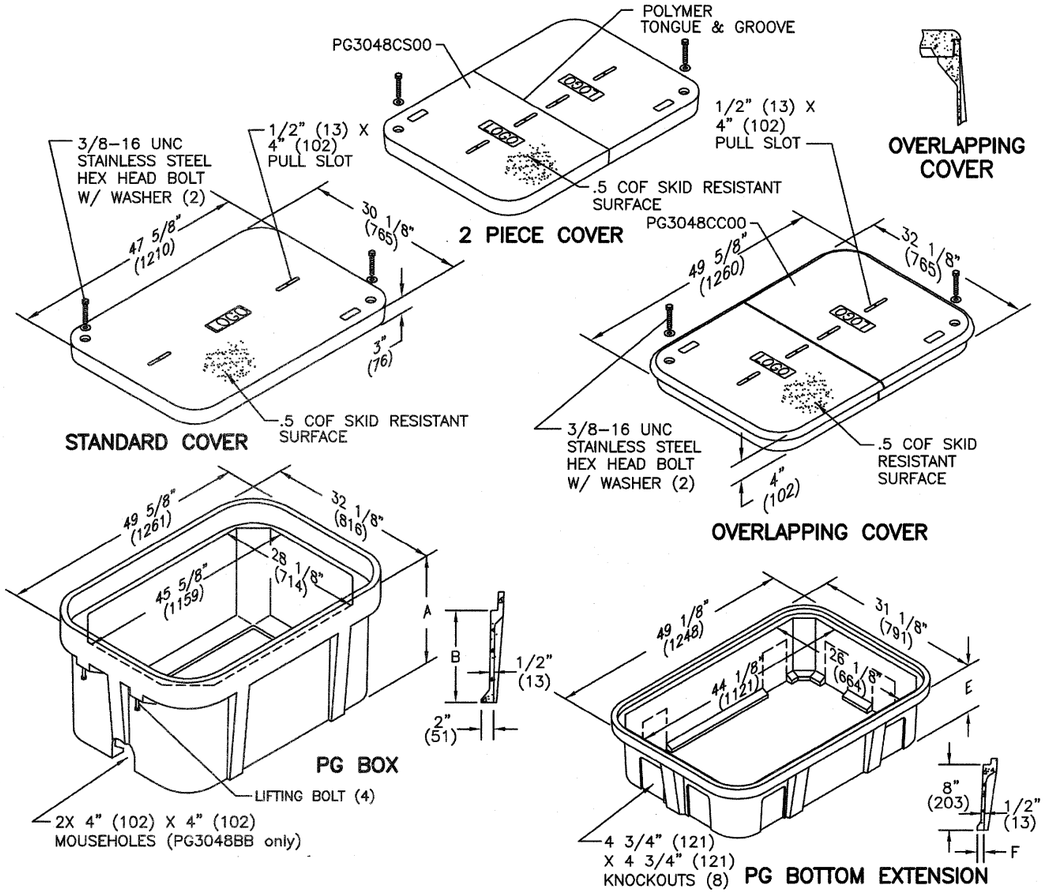
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAIL
HANDHOLE, COMPOSITE CONCRETE, TYPE 1

SCALE: N/A | SHEET 12 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	311A
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

SPECIFICATIONS/DATA



SPECIFICATIONS/DATA

30" x 48" PG Style (Stackable) Assembly

Covers (Blank unless logo is specified)

DESCRIPTION	PART NO.	WEIGHT #	DESIGN/TEST LOAD	ANSI TIER*
W/2 Bolts	PG3048CA00	159 (72.1 kg)	8,000 / 12,000	8
Gasketed w/2 Bolts	PG3048CG00	159 (72.1 kg)	8,000 / 12,000	8
No Bolts	PG3048WA00	159 (72.1 kg)	8,000 / 12,000	8
Heavy Duty w/2 Bolts	PG3048HA00	206 (93.4 kg)	15,000 / 22,500	15
Gasketed Heavy Duty w/2 Bolts	PG3048HG00	206 (93.4 kg)	15,000 / 22,500	15
Extra Heavy Duty w/2 Bolts	PG3048HH00	220 (99.7 kg)	22,500 / 33,750	22
2-piece w/2 Bolts	PG3048CS00	181 (82.1 kg)	8,000 / 12,000	8
Heavy Duty 2-piece w/2 Bolts	PG3048HS00	206 (93.4 kg)	15,000 / 22,500	15
2-piece Overlapping	PG3048CC00	248 (112.0 kg)	8,000 / 12,000	8
Heavy Duty 2-piece Overlapping	PG3048HC00	248 (112.0 kg)	15,000 / 22,500	15

SEE NOTE 1 ⚠1

Gasketed covers and bolt grommets must be used with a gasketed box. Gaskets reduce the inflow of fluids but do not make the enclosure water tight.

PG Boxes (Stackable with self-aligning, replaceable EZ-Nut) *24" & 36" deep boxes must be used as bottom of any stack

DESCRIPTION		PART NO.	WEIGHT #	DIMENSION A	DIMENSION B	DESIGN/TEST LOAD #	ANSI TIER*
Open Bottom		PG3048BA18	185 (83.9 kg)	18" (457 mm)	15" (381 mm)	22,500 / 33,750	22
	*	PG3048BA24	236 (107.0 kg)	24" (609 mm)	21" (533 mm)	22,500 / 33,750	22
	*	PG3048BA36	343 (155.6 kg)	36" (914 mm)	33" (838 mm)	22,500 / 33,750	22
Open Bottom w/ Gasket		PG3048BG18	185 (83.9 kg)	18" (457 mm)	15" (381 mm)	22,500 / 33,750	22
	*	PG3048BG24	236 (107.0 kg)	24" (609 mm)	21" (533 mm)	22,500 / 33,750	22
	*	PG3048BG36	343 (155.6 kg)	36" (914 mm)	33" (838 mm)	22,500 / 33,750	22
Open Bottom w/ 2 Mouseholes		PG3048BB18	185 (83.9 kg)	18" (457 mm)	15" (381 mm)	22,500 / 33,750	22
	*	PG3048BB24	236 (107.0 kg)	24" (610 mm)	21" (533 mm)	22,500 / 33,750	22
	*	PG3048BB36	343 (155.6 kg)	36" (914 mm)	33" (838 mm)	22,500 / 33,750	22
Solid Bottom		PG3048DA18	220 (99.8 kg)	18 1/2" (470 mm)	15" (381 mm)	22,500 / 33,750	22
	*	PG3048DA24	287 (130.2 kg)	24 1/2" (622 mm)	21" (533 mm)	22,500 / 33,750	22
	*	PG3048DA36	394 (178.7 kg)	36 1/2" (927 mm)	33" (838 mm)	22,500 / 33,750	22
Solid Bottom w/ Gasket		PG3048DG18	220 (99.8 kg)	18 1/2" (470 mm)	15" (381 mm)	22,500 / 33,750	22
	*	PG3048DG24	287 (130.2 kg)	24 1/2" (622 mm)	21" (533 mm)	22,500 / 33,750	22
	*	PG3048DG36	394 (178.7 kg)	36 1/2" (927 mm)	33" (838 mm)	22,500 / 33,750	22

SEE NOTE 1 ⚠1

NOTE:
1. OR APPROVED EQUAL ⚠1

Top Extension (For use on top of PG boxes of any depth)

DESCRIPTION	PART NO.	WEIGHT #	DESIGN/TEST LOAD #	ANSI TIER*
Open Bottom*	PG3048EA11	100 (45.4 kg)	22,500 / 33,750	22

* In addition, this extension can be used as a bottom extension for 18" deep PG boxes.

Bottom Extensions (For use under 18" deep PG style box only, one per box)

DESCRIPTION	PART NO.	WEIGHT #	DIMENSION E	DIMENSION F	DESIGN/TEST LOAD #	ANSI TIER*
Open Bottom	PG3048EA08	102 (46.3 kg)	8 3/4" (222 mm)	1" (25 mm)	22,500 / 33,750	22
Solid Bottom	PG3048RA08	151 (58.0 kg)	9 1/4" (235 mm)	N/A	22,500 / 33,750	22

Dimensions & weights in parentheses are metric equivalent.
* Loadings comply with ANSI/SCTE 77

HANDHOLES
30"X48" PG STYLE (STACKABLE) ASSEMBLY

DIRECTORY = L:\ROCKFORD\1126804\DrawCADD\Sheets\D264515_Misaman\...

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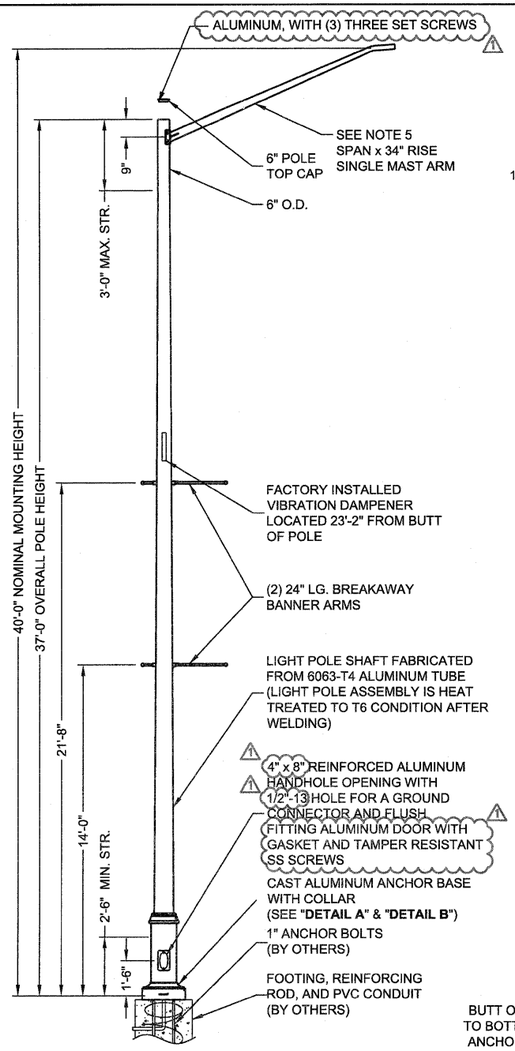
PLOT DATE = 4/18/2012 - 6:16:10 PM	DATE - 01/25/2012	REVISED -	

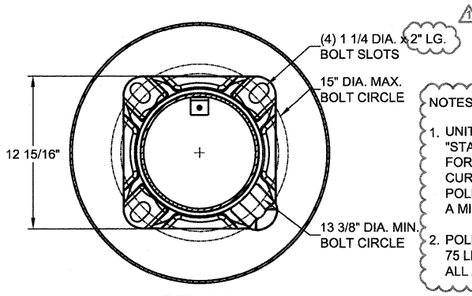
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAIL
HANDHOLE, COMPOSITE CONCRETE, TYPE 2

SCALE: N/A | SHEET 13 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	311B
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

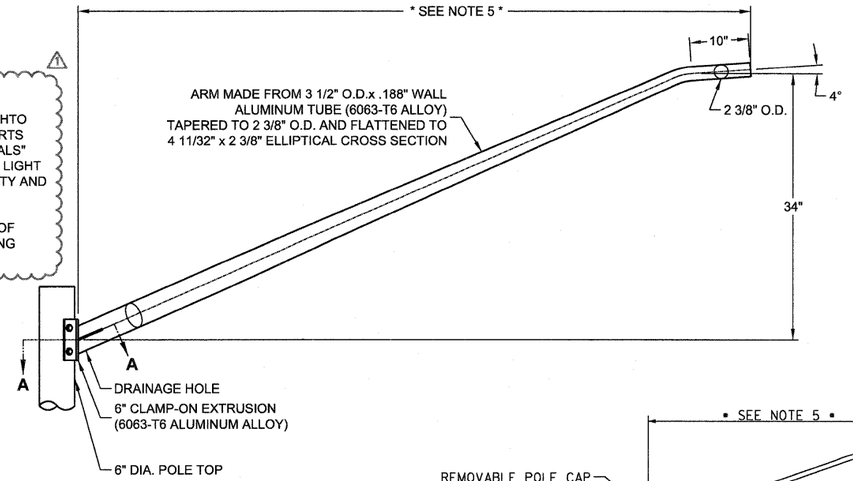


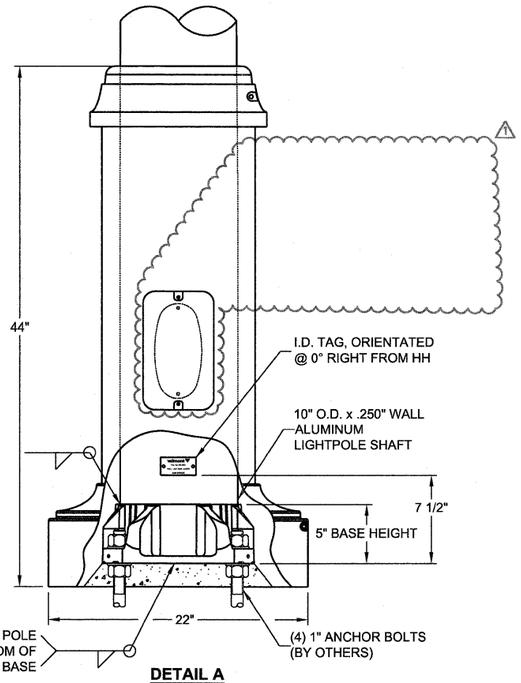


DETAIL B

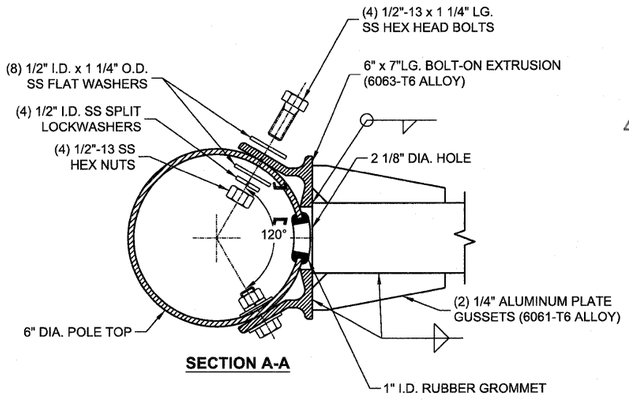
NOTES:

1. UNITS SHALL BE MANUFACTURED ACCORDING TO AASHTO "STANDARD SPECIFICATIOS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" CURRENT AT THE TIME THE PROJECT IS ADVERTISED. LIGHT POLES SHALL BE DESIGNED FOR 90 MPH WIND VELOCITY AND A MINIMUM DESIGN LIFE OF 50 YEARS.
2. POLES SHALL BE DESIGNED TO WITHSTAND LOADING OF 75 LB. LUMINAIRE WITH AN EPA OF 1.6 SQ. FT. INCLUDING ALL ATTACHMENTS.

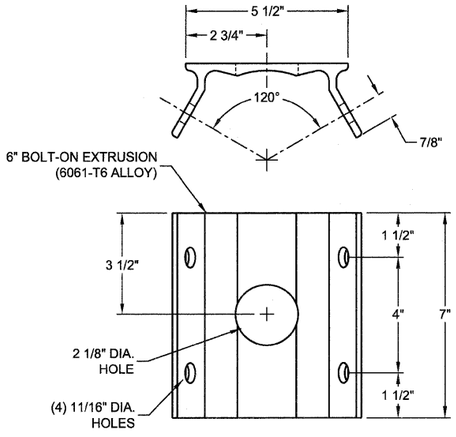




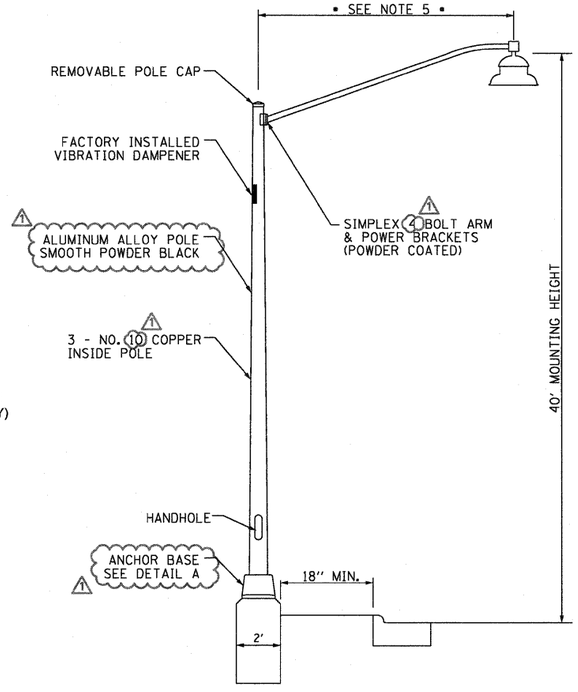
DETAIL A



SECTION A-A



EXTRUSION DETAIL



LIGHT POLE, SPECIAL

NOT TO SCALE

LIGHT POLE, SPECIAL, LUMINAIRE SCHEDULE

TYPE	DESCRITPION	MANUFACTURER	POLE	LAMP	VOLTAGE
LIGHT POLE, SPECIAL	DOMUS 55 SERIES, TYPE III CUTOFF CATALOG DMS55-400PSMH-SG3-480V•	LUMEC •	VALMONT• 40 FT M.H., ON CONCRETE FOUNDATION MAST ARM AS SPECIFIED	400W M.H. PULSE START	480 V

• OR APPROVED EQUAL

NOTE:

1. WELDING WIRE (ER4043).
2. MAST ARM HEAT TREATED AFTER FABRICATION TO T6 CONDITION.
3. ALL HARDWARE IS 300 SERIES STAINLESS STEEL, COATED WITH ANTI-SEIZE COMPOUND.

NOTES:

1. REFER TO ROADWAY LIGHTING DETAIL FOR LIGHT POLE FOUNDATION DETAIL (BE-301).
2. REFER TO ROADWAY LIGHTING DETAIL POLE WIRING DETAIL (BE-702)
3. REFER TO ROADWAY LIGHTING DETAIL CONDUIT TRENCH - PHOTOCELL MOUNTING
4. REFER TO DETAIL A ON THIS SHEET.
5. SPAN LENGTH SHALL BE 6', 8', 10' OR 12'. REFER TO NOTE (13) SHEET 301 FOR WHICH LENGTH.

DIRECTORY = L:\ROCKFORD\n1126084\D-ow\CADD\Sheets\D2645I5_Missman\...

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

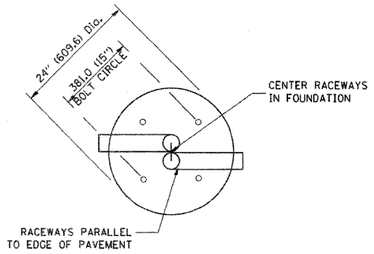
ROADWAY LIGHTING DETAIL
DECORATIVE LIGHT POLES – LUMINAIRE SCHEDULE

SCALE: N/A | SHEET 14 OF 20 SHEETS | STA. | TO STA.

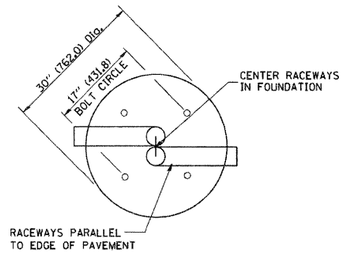
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	312
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

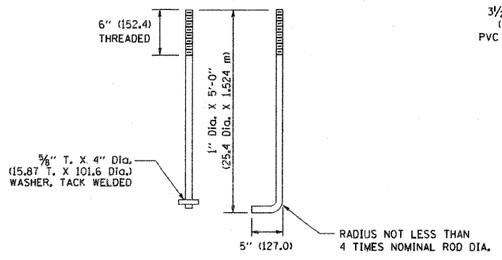
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.09 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND Ø = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND Ø = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND Ø = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



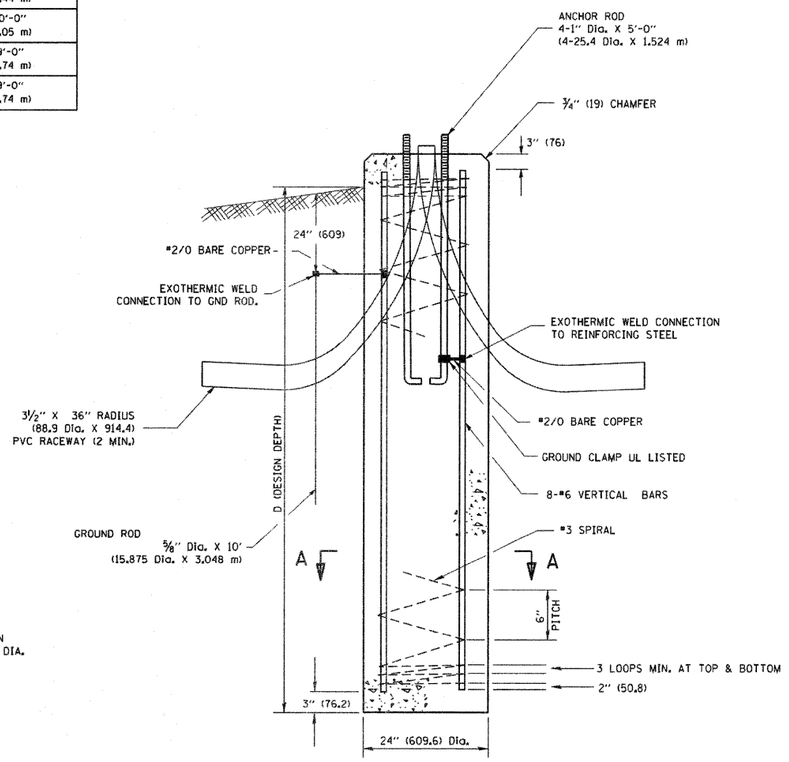
TOP VIEW



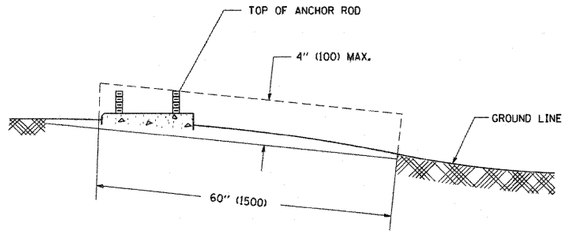
TOP VIEW



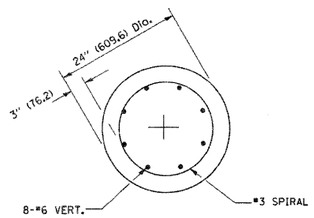
ANCHOR ROD DETAIL



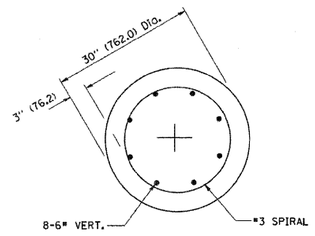
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN **4 IN. (100 MM)** ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

LIGHT POLE FOUNDATION
40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE

DIRECTORY = L:\ROCKFORD\112680\Draw\CADD Sheets\0264515 Missman\...

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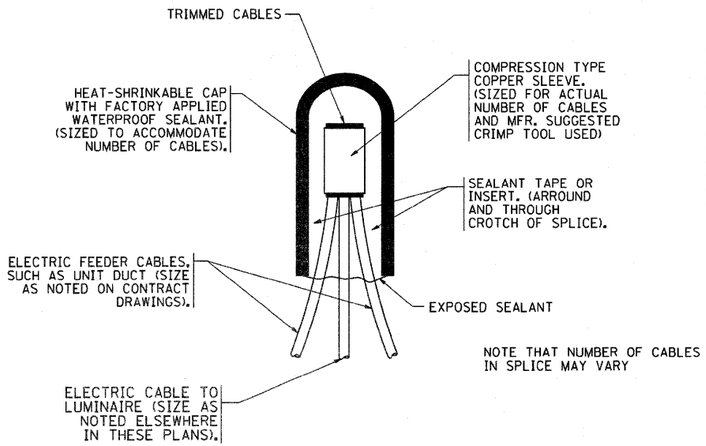
ROADWAY LIGHTING DETAIL
LIGHT POLE FOUNDATION (BE-301)

SCALE: N/A | SHEET 15 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	312A
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

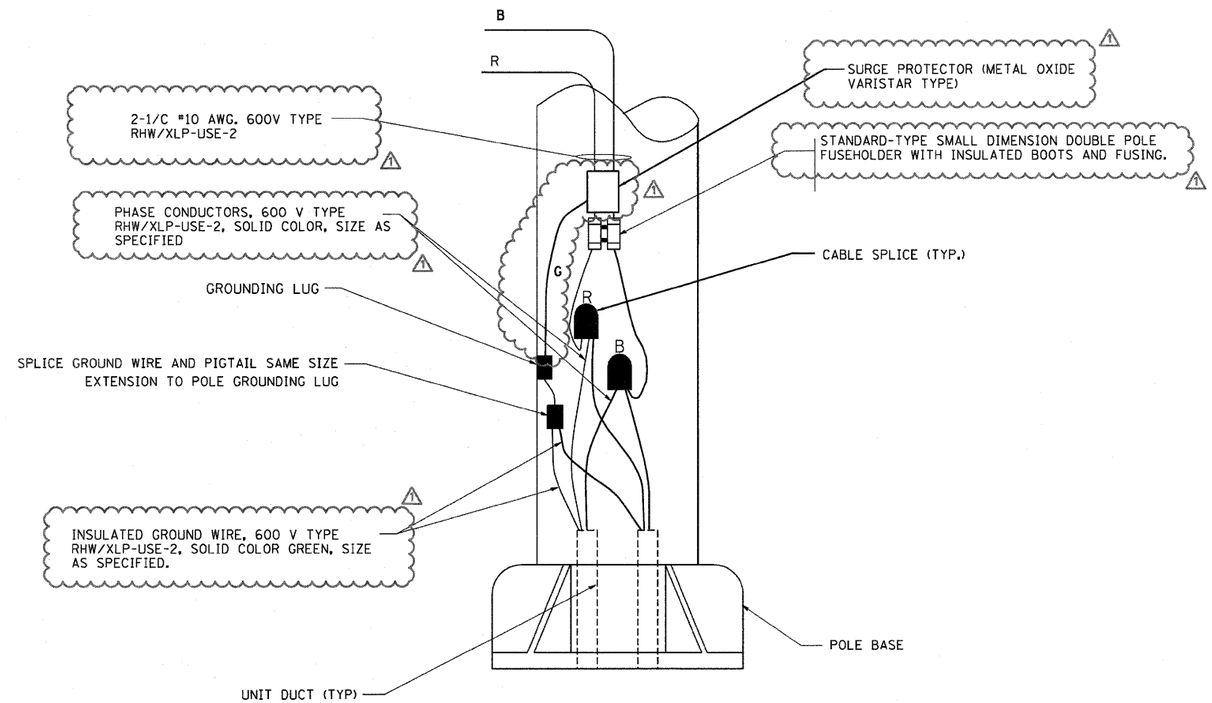


NOTES:

1. ALL TAPED SPLICES SHALL USE 2 LAYERS OF ELECTRICAL TAPE OVER 3 LAYERS OF RUBBER TAPE AS REQUIRED BY THE STANDARD SPECIFICATION. COAT THE FINISH TAPED SPLICE WITH BONDING COMPOUND.
2. ALL CABLE SPLICES SHALL BE TAPED UNLESS ANOTHER METHOD HAS BEEN SPECIFICALLY APPROVED BY THE ENGINEER.

TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

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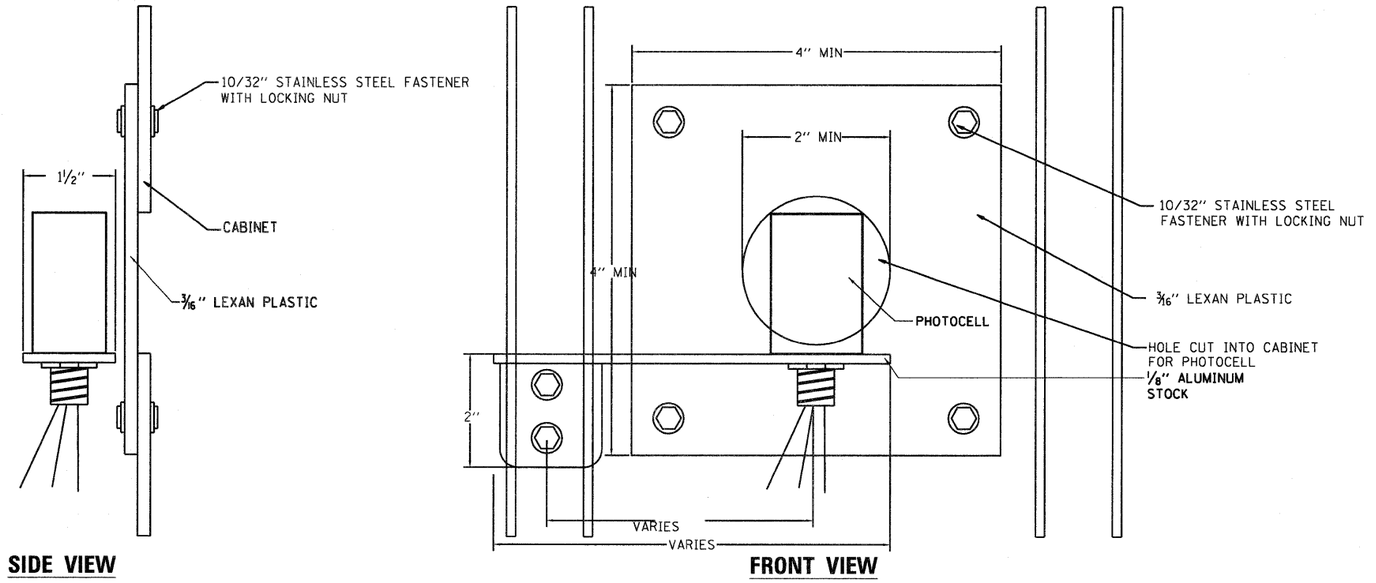
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAIL
TYPICAL SPLICE – POLE WIRING DETAIL (BE-702)

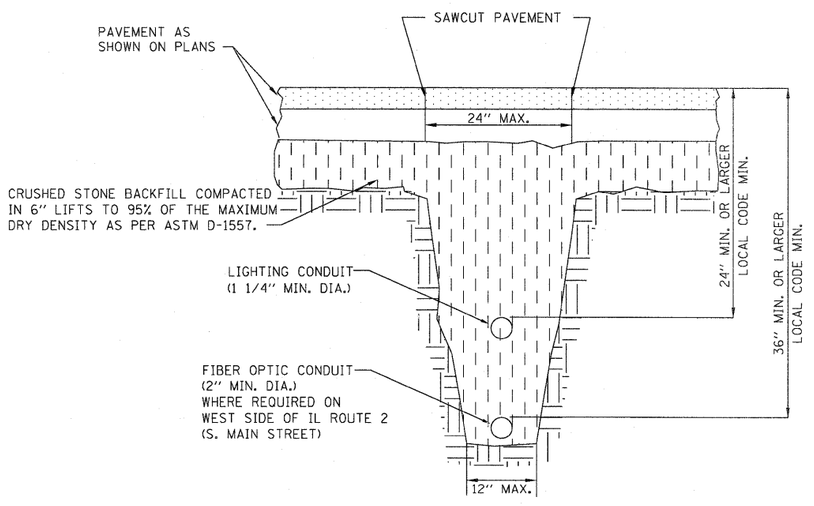
SCALE: N/A | SHEET 16 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	312B
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

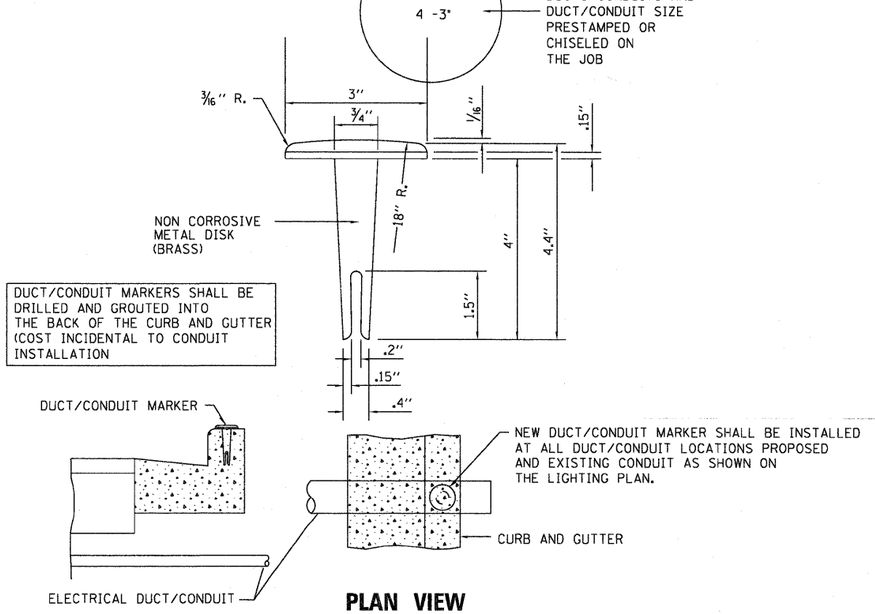


SIDE VIEW **FRONT VIEW**

PHOTOCELL MOUNTING DETAIL



FIBER OPTICS AND STREET LIGHTING CONDUIT TRENCH



DUCT/CONDUIT MARKERS SHALL BE DRILLED AND GROUTED INTO THE BACK OF THE CURB AND GUTTER (COST INCIDENTAL TO CONDUIT INSTALLATION

PLAN VIEW

DUCT MARKER DETAIL

NOT TO SCALE

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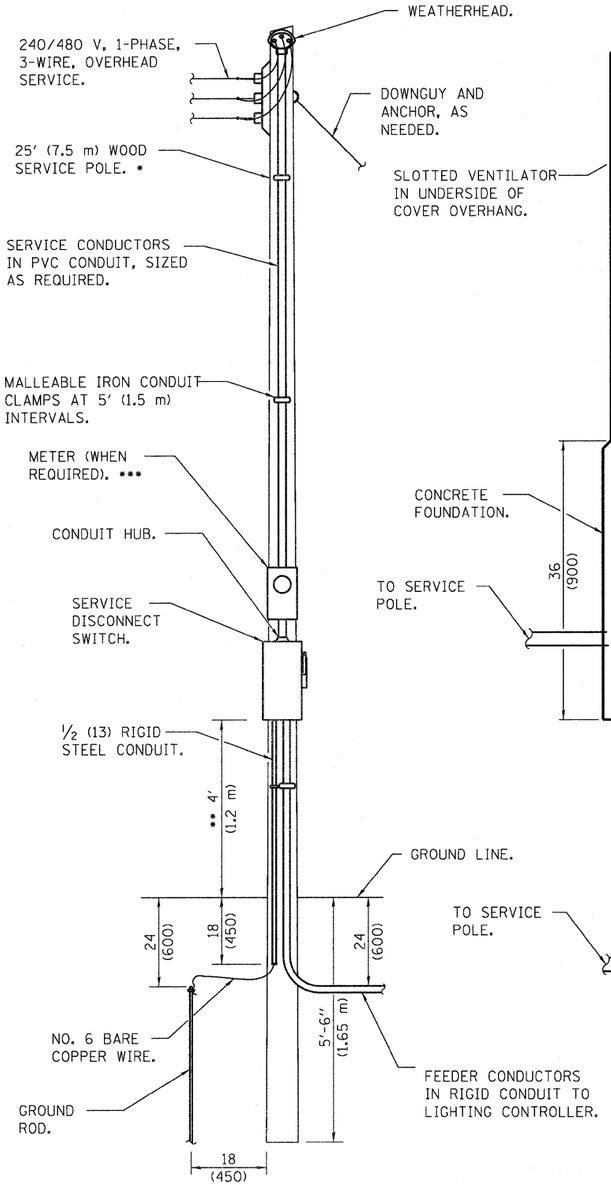
ROADWAY LIGHTING DETAIL
CONDUIT TRENCH – DUCT MARKER – PHOTOCELL MOUNTING

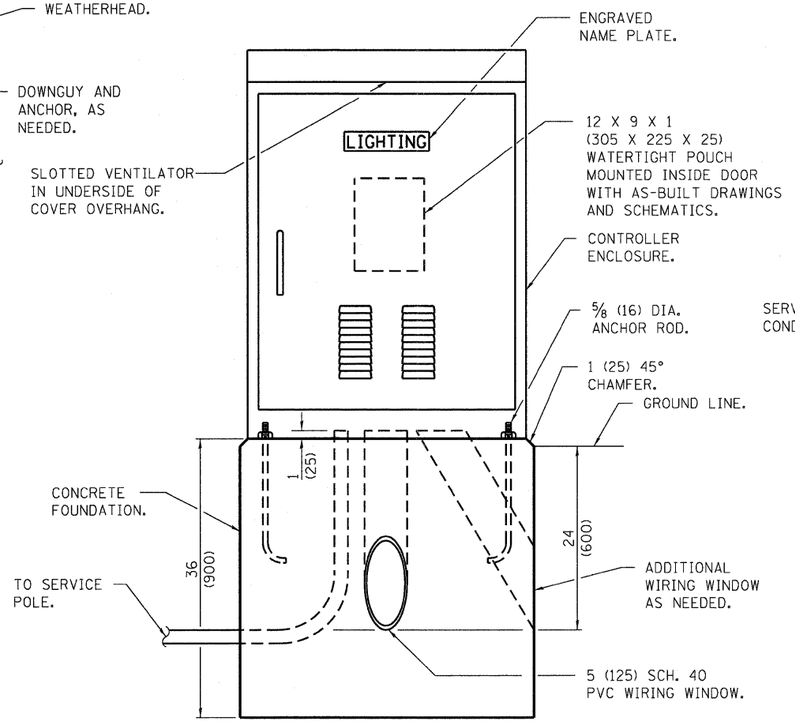
SCALE: N/A | SHEET 17 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	313
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

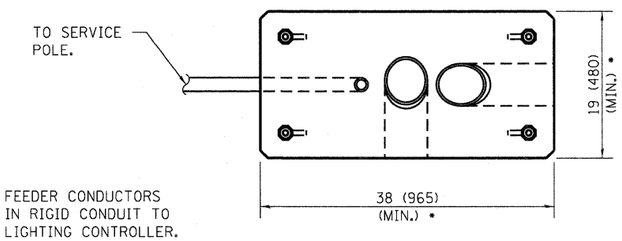


ELECTRIC SERVICE INSTALLATION

- • SIZE LARGER AS NEEDED.
- •• OR AS DIRECTED BY UTILITY COMPANY.
- ••• WHEN COLD SEQUENCING IS REQUIRED, PROVIDE A METER DISCONNECT SWITCH AS DIRECTED BY UTILITY COMPANY.

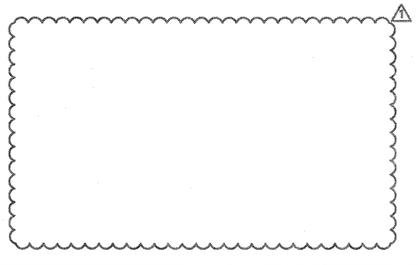


LIGHTING CONTROLLER

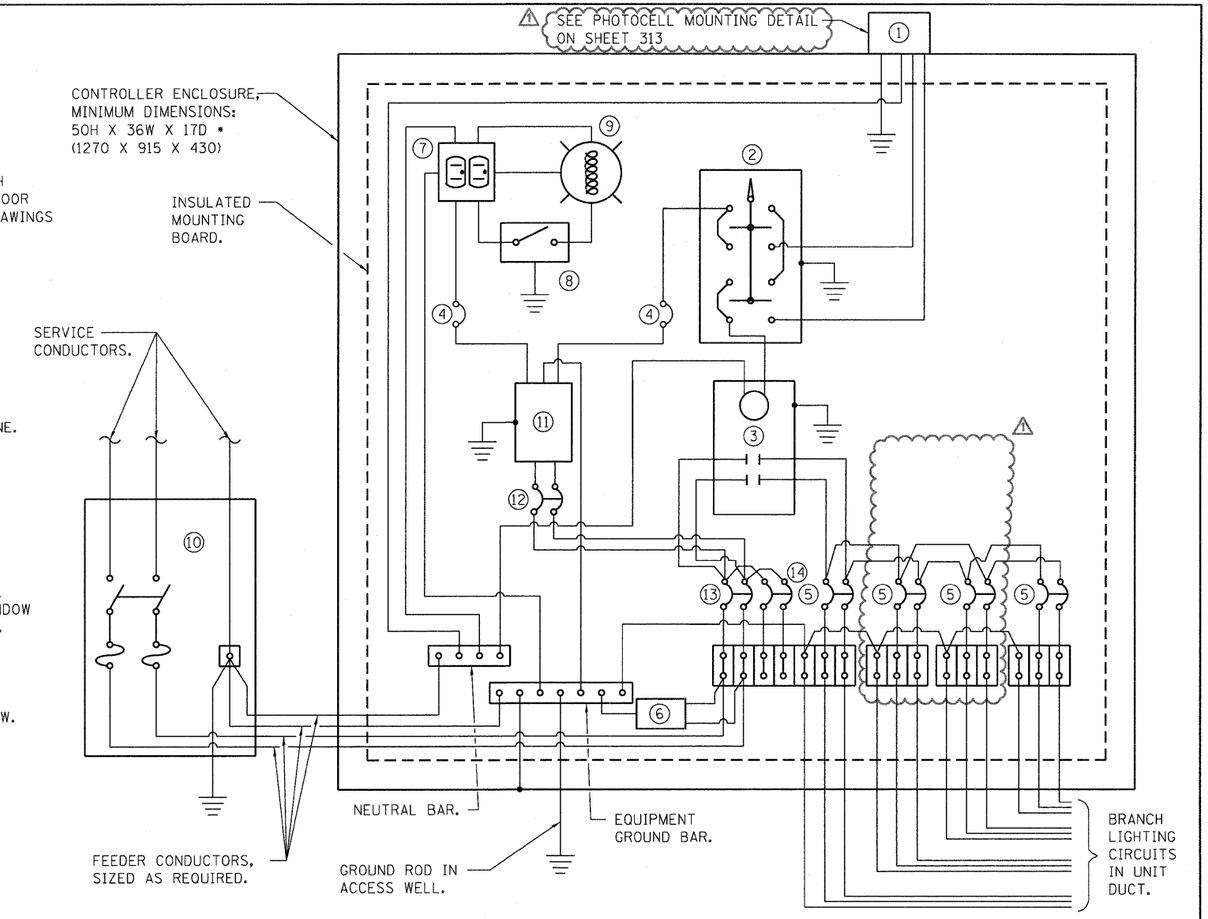


FOUNDATION (PLAN)

(WORK PAD NOT SHOWN.)



ANCHOR ROD DETAIL



CONTROL SCHEMATIC

1. PHOTOCELL WITH INTEGRAL SURGE ARRESTER.
2. HAND-OFF-AUTO SELECTOR SWITCH.
3. 100 AMP•, ELECTRICALLY HELD CONTACTOR.
4. 15 AMP, 1-POLE CIRCUIT BREAKER.
5. 20 AMP•, 2-POLE CIRCUIT BREAKER (TWO SPARES REQUIRED BUT NOT SHOWN).
6. SURGE ARRESTOR.
7. GFCI DUPLEX RECEPTACLE.
8. SINGLE-POLE, SINGLE-THROW SWITCH.
9. INCANDESCENT LUMINAIRE, ENCLOSED AND GASKETTED WITH 100 WATT LAMP.
10. SERVICE DISCONNECT SWITCH - 2-POLE, 3-WIRE, 100 AMP•, FUSED AT 100 AMP•, SOLID NEUTRAL IN NEMA 4X ENCLOSURE HAVING LOCKABLE EXTERNAL HANDLE.
11. TRANSFORMER - 1KVA•, 480V PRIMARY, 120/240V SECONDARY, SINGLE-PHASE, 60HZ.
12. 15 AMP, 2-POLE CIRCUIT BREAKER.
13. 100 AMP•, 2-POLE CIRCUIT BREAKER.
14. 30 AMP, 2-POLE CIRCUIT BREAKER

• SIZE LARGER AS NEEDED.

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

LIGHTING CONTROLLER BASE MOUNTED, 480V

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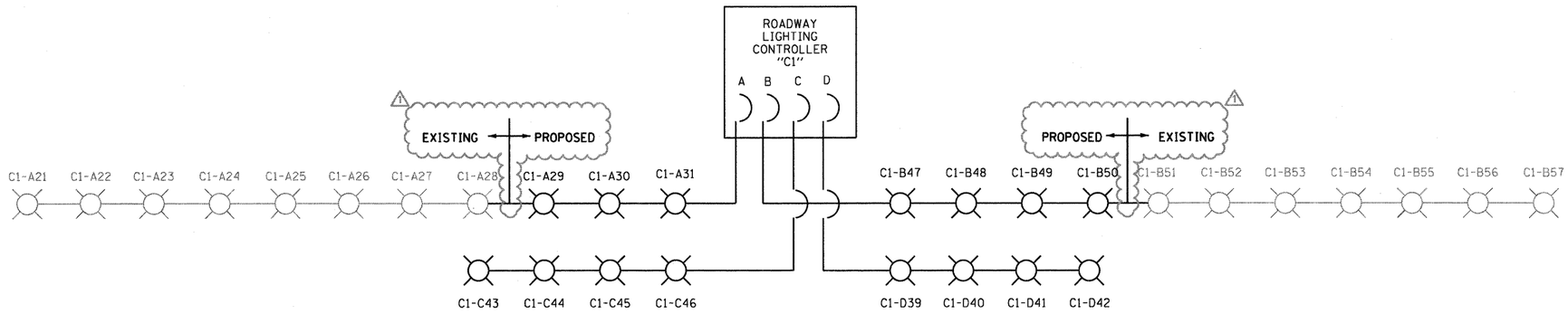
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAIL
LIGHTING CONTROLLER BASE MOUNTED

SCALE: N/A | SHEET 18 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	314
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		



ROADWAY LIGHTING CONTROLLER "C1" ONE-LINE

CONTROLLER "C1" LOAD SCHEDULE		
CIRCUIT #	AMPERES	WATTAGE
A	11.47	4400
B	11.47	4400
C	4.17	1600
D	4.17	1600

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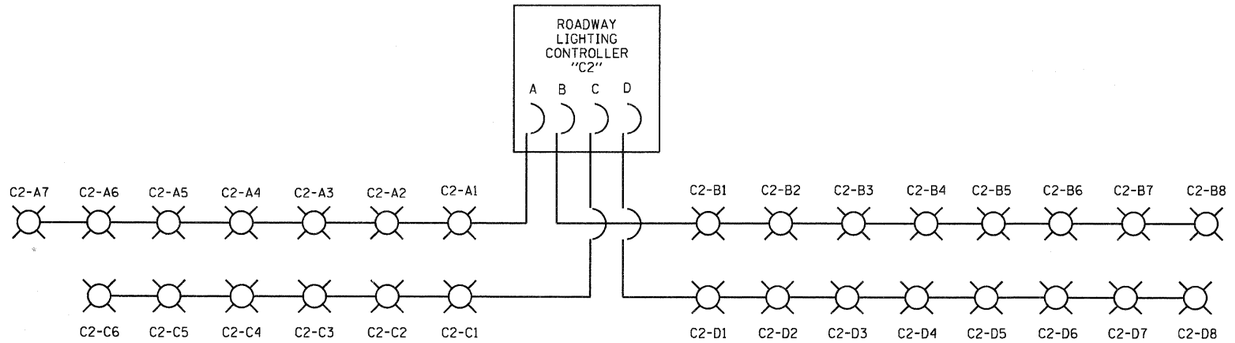
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAIL
LIGHTING CONTROLLER "C1" ONE-LINE

SCALE: N/A | SHEET 19 OF 20 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	315
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			



ROADWAY LIGHTING CONTROLLER "C2" ONE-LINE

CONTROLLER "C2" LOAD SCHEDULE		
CIRCUIT #	AMPERES	WATTAGE
A	7.30	2800
B	9.38	3600
C	6.25	2400
D	8.33	3200

DIRECTORY = $FILEDIR$

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USER NAME = Ed Davis	DESIGNED - AS	REVISED -
FILE NAME: D264515-sht-light616.dgn	DRAWN - JWD	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - AB	REVISED -
PLOT DATE = 4/4/2012 4:09:58 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAIL
LIGHTING CONTROLLER "C2" ONE-LINE

SCALE: N/A | SHEET 20 OF 20 SHEETS | STA. | TO STA.

Rev. 4-16-12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	316
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

SOIL BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 11/17/10

ROUTE FAP 742 DESCRIPTION D92-015-00 Retaining Wall, 200' S. of Prairie and 700' N. of Prairie LOGGED BY W. Garza

SECTION 34R LOCATION , SEC. , TWP. , RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 325+00

BORING NO. B-1
Station 325+00
Offset 32.00ft Rt CL
Ground Surface Elev. 779.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown SILTY CLAY LOAM			1.1 P	21.0
	777.50	4		
STIFF brown SILTY CLAY LOAM		6	1.1 P	23.0
		7		
	775.50			
DENSE tan weathered LIMESTONE	-5	10		
		20		
	773.50	30		
End of Boring				
	-10			
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 11/17/10

ROUTE FAP 742 DESCRIPTION D92-015-00 Retaining Wall, 200' S. of Prairie and 700' N. of Prairie Road LOGGED BY W. Garza

SECTION 34R LOCATION , SEC. , TWP. , RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 325+00

BORING NO. B-2
Station 325+00
Offset 59.00ft Rt CL
Ground Surface Elev. 778.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT dark brown SILTY LOAM			0.4 P	41.0
	776.70	5		
HARD light brown SILTY LOAM		6	4.5 P	17.0
		8		
	774.70			
MEDIUM tan weathered LIMESTONE	-5	8		
		11		
	772.70	15		
End of Boring				
	-10			
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

FILE NAME = G:\2010\TRANS\B12T001\DGN\Boring Logs\D01500-BORING LOGS.dgn	USER NAME = patp	DESIGNED -	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	DRAWN -	REVISED -
	PLOT DATE = 1/17/2012	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL 2)
SOIL BORING LOGS

SCALE: N/A | SHEET NO. 1 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	317
			CONTRACT NO. 64515	
	ILLINOIS	FED. AID PROJECT		

SOIL BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 11/23/10

ROUTE FAP 742 DESCRIPTION D92-015-00 IL 2 culvert, 350' S. of US 20 Bypass LOGGED BY W. Garza

SECTION 34R LOCATION Rockford Twp. - 10NW, SEC. , TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 243+41

BORING NO. B-1b
Station 243+59
Offset 50.00ft Lt CL
Ground Surface Elev. 97.00 ft

Surface Water Elev. ft
Stream Bed Elev. 92.40 ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	95.00			
MEDIUM tan clean medium coarse SAND		9		
		11		
	93.50	16		
VERY DENSE tan SANDY GRAVEL	-5	16		
		24		
	91.00	28		
VERY DENSE tan SANDY GRAVEL		20		
		28		
	88.50	36		
VERY DENSE tan SANDY GRAVEL	-10	16		
		21		
	86.00	35		
End of Boring				
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 11/23/10

ROUTE FAP 742 DESCRIPTION D92-015-00 IL 2 culvert, 350' S. of US 20 Bypass LOGGED BY W. Garza

SECTION 34R LOCATION Rockford Twp. - 10NW, SEC. , TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 243+41

BORING NO. B-2b
Station 243+17
Offset 43.50ft Rt CL
Ground Surface Elev. 96.20 ft

Surface Water Elev. ft
Stream Bed Elev. 3.80 ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	94.20			
STIFF brown CLAY LOAM		3		
		3	1.5	
	92.70	4	P	
SOFT tan SANDY LOAM	-5	2		
		2	0.3	
		3	P	
	89.70			
LOOSE tan dirty SAND		3		
		4		
	87.70	5		
MEDIUM tan SANDY GRAVEL	-10	6		
		8		
	85.20	12		
LOOSE tan clean medium coarse SAND, moist		5		
		3		
	82.70	4		
MEDIUM tan clean medium coarse SAND	-15	7		
		12		
	80.20	11		
MEDIUM tan clean medium coarse SAND, moist		6		
		6		
	77.70	7		
	-20	2		

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
LOOSE tan clean medium coarse SAND (continued)		3		
	75.20	6		
MEDIUM tan clean medium coarse SAND, dry		3		
		6		
	72.70	9		
MEDIUM tan clean medium coarse SAND, dry	-25	9		
		11		
	70.20	18		
MEDIUM tan clean medium coarse SAND		9		
		13		
	67.70	12		
MEDIUM tan clean medium coarse SAND	-30	6		
		9		
	65.20	10		
DENSE tan fine SAND, moist		9		
		16		
	62.70	26		
End of Boring				
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

FILE NAME = G:\2012\TRANS\B10T001\DGN\Boring Logs\D915500-BORING LOGS.dgn	USER NAME = pstp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/17/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL 2)
SOIL BORING LOGS

SCALE: N/A | SHEET NO. 2 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	318
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

SOIL BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 11/17/10

ROUTE FAP 742 DESCRIPTION D92-015-00 Retaining Wall, 200' S. of Prairie and 700' N. of Prairie Road LOGGED BY W. Garza

SECTION 34R LOCATION , SEC. , TWP. , RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 226+00

BORING NO. B-3
Station 326+00
Offset 31.00ft Rt CL
Ground Surface Elev. 778.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown LOAM			0.5 P	18.0
	776.20			
STIFF light brown CLAY LOAM		1		
		4	1.4	25.0
	774.70	5	S	
VERY SOFT tan SILTY LOAM	-5	1		
		1	0.2	26.0
	772.20	4	P	
End of Boring				
	-10			
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 11/17/10

ROUTE FAP 742 DESCRIPTION D92-015-00 Retaining Wall, 200' S. of Prairie and 700' N. of Prairie Road LOGGED BY W. Garza

SECTION 34R LOCATION , SEC. , TWP. , RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 326+00

BORING NO. B-4
Station 326+05
Offset 55.00ft Rt CL
Ground Surface Elev. 777.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	775.20			
VERY STIFF light brown SILTY LOAM		4		
		5	3.1	14.0
	773.70	5	P	
VERY STIFF light brown SILTY LOAM	-5	4		
		6	3.1	23.0
	771.20	9	S	
End of Boring				
	-10			
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

FILE NAME = G:\2012\TRANS\B10T001\DGN\Boring Logs\D915OO-BORING LOGS.dgn	USER NAME = patp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/17/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL 2)
SOIL BORING LOGS

SCALE: N/A | SHEET NO. 3 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	319
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

SOIL BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 11/17/10

ROUTE FAP 742 DESCRIPTION D92-015-00 Retaining Wall, 200' S. of Prairie and 700' N. of Prairie Road LOGGED BY W. Garza

SECTION 34R LOCATION , SEC. , TWP. , RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 327+00

BORING NO. B-5
Station 327+07
Offset 32.00ft Rt CL
Ground Surface Elev. 776.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY SOFT light brown LOAM			0.0 P	22.0
	774.20			
SOFT light brown SILTY LOAM with LIMESTONE fragments		0		
		1	0.3 P	22.0
		7		
	772.20			
VERY DENSE tan weathered LIMESTONE	-5	100/12"		
	770.20			
End of Boring				
	-10			
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 11/17/10

ROUTE FAP 742 DESCRIPTION D92-015-00 Retaining Wall, 200' S. of Prairie and 700' N. of Prairie Road LOGGED BY W. Garza

SECTION 34R LOCATION , SEC. , TWP. , RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 327+00

BORING NO. B-6
Station 327+00
Offset 57.00ft Rt CL
Ground Surface Elev. 777.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown LOAM			0.5 P	34.0
	775.50			
HARD light brown SILTY LOAM		6		
		4	4.5 P	16.0
		7		
	773.50			
DENSE tan weathered LIMESTONE	-5	7		
		16		
	771.50	34		
VERY DENSE tan weathered LIMESTONE		100/3"		
	769.00			
End of Boring				
	-10			
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

FILE NAME = G:\2010\TRANS\B10T001\DGN\Boring Logs\D215500-BORING LOGS.dgn	USER NAME = patp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/17/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL 2)
SOIL BORING LOGS

SCALE: N/A | SHEET NO. 4 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	320
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

SOIL BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 11/17/10

ROUTE FAP 742 DESCRIPTION D92-015-00 Retaining Wall, 200' S. of Prairie and 700' N. of Prairie Road LOGGED BY W. Garza

SECTION 34R LOCATION , SEC. , TWP. , RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 328+00

BORING NO. B-7
Station 328+00
Offset 32.00ft Rt CL
Ground Surface Elev. 773.10 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown LOAM			0.5 P	9.0
771.10				
VERY DENSE tan weathered LIMESTONE with SAND top 12"		2		
		7		
769.60		100/5"		
End of Boring				
	-5			
	-10			
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 11/17/10

ROUTE FAP 742 DESCRIPTION D92-015-00 Retaining Wall, 200' S. of Prairie and 700' N. of Prairie Road LOGGED BY W. Garza

SECTION 34R LOCATION , SEC. , TWP. , RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 328+00

BORING NO. B-8
Station 327+92
Offset 54.00ft Rt CL
Ground Surface Elev. 777.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
775.60				
HARD light brown SILTY LOAM		5		
		4	4.5	17.0
		7	P	
773.60				
VERY DENSE tan weathered LIMESTONE	-5	8		
		22		
771.60		47		
VERY DENSE tan weathered LIMESTONE		100/4"		
769.10				
End of Boring				
	-10			
	-15			
	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

FILE NAME = G:\2010\TRANS\B10T201\DGN\Boring Logs\D01500-BORING LOGS.dgn	USER NAME = patp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/17/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL 2)
SOIL BORING LOGS

SCALE: N/A | SHEET NO. 5 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	321
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

SOIL BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 11/17/10

ROUTE FAP 742 DESCRIPTION D92-015-00 Retaining Wall, 200' S. of Prairie and 700' N. of Prairie Road LOGGED BY W. Garza

SECTION 34R LOCATION , SEC. , TWP. , RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 333+00

BORING NO. B-9
Station 333+24
Offset 50.00ft Rt CL
Ground Surface Elev. 746.90 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4" 1st Encounter weathered LIMESTONE				
Auger Refusal at 2.0' 744.90				
End of Boring				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 11/17/10

ROUTE FAP 742 DESCRIPTION D92-015-00 Retaining Wall, 200' S. of Prairie and 700' N. of Prairie Road LOGGED BY W. Garza

SECTION 34R LOCATION , SEC. , TWP. , RNG.

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 330+00

BORING NO. B-10
Station 330+23
Offset 50.00ft Rt CL
Ground Surface Elev. 767.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown LOAM			0.5 P	23.0
765.20				
DENSE tan weathered LIMESTONE		16 14 19		
763.70				
VERY DENSE tan weathered LIMESTONE	-5	100/13"		
761.20				
End of Boring				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

FILE NAME = G:\2012\TRANS\B12T001\DGN\Boring Logs\D215500-BORING LOGS.dgn	USER NAME = patp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/17/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL 2)
SOIL BORING LOGS

SCALE: N/A | SHEET NO. 6 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	322
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

SOIL BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

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Date 1/25/06

ROUTE FA 742 DESCRIPTION P-92-136-94 Box Culvert Ext. - IL 2 - 300' S. of Clifton Avenue LOGGED BY J. Strating

SECTION 40 LOCATION Rockford Twp. - 34SW, SEC. , TWP. 44N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 340+58.5

BORING NO. B-1
Station 339+91
Offset 36.00ft Rt CL
Ground Surface Elev. 100.00 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 83.00 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After ____ Hrs. ____ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SILTY CLAY LOAM			0.5 P	18.0
	98.00			
VERY STIFF brown CLAY LOAM with LIMESTONE fragments		5		
		6	3.0	17.0
	96.50	7	P	
STIFF dark brown LOAM with LIMESTONE fragments	-5	5		
		5	1.3	10.0
	94.00	5	P	
STIFF brown SILTY LOAM		2		
		3	2.0	18.0
	91.00	5	P	
MEDIUM tan/brown clean medium SAND with GRAVEL	-10	5		
		5		
	88.50	9		
VERY DENSE tan weathered LIMESTONE		15		
		100/8"		
	86.50			
VERY DENSE tan weathered LIMESTONE	-15	100/3"		
	84.00			
VERY DENSE tan weathered LIMESTONE		100/5"		
	81.50			
End of Boring	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 3/9/10

ROUTE FA 742 DESCRIPTION P-92-136-94 Box Culvert, .4 m. S. of Harrison Avenue LOGGED BY w

SECTION 40 LOCATION Rockford Twp. - 3NW, SEC. , TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.
Station 294+92

BORING NO. B-1b
Station 294+49
Offset 30.00ft Lt CL
Ground Surface Elev. 100.00 ft

Surface Water Elev. ____ ft
Stream Bed Elev. 73.00 ft

Groundwater Elev.:
First Encounter 65.0 ft ▼
Upon Completion 64.5 ft ▽
After ____ Hrs. ____ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	98.00			
STIFF dark gray LOAM		1		
		2	1.8	16.0
	96.50	5	P	
SOFT dark gray SANDY LOAM	-5	4		
		4	0.3	17.0
	94.00	6	P	
VERY STIFF dark gray SANDY LOAM		6		
		8	3.5	17.0
	91.50	10	P	
	-10			
VERY STIFF dark gray SILTY CLAY LOAM		4		
		5	2.5	19.0
	88.50	10	P	
STIFF gray SILTY CLAY LOAM		3		
		4	2.0	19.0
		8	P	
	85.50			
	-15			
MEDIUM brown dirty SAND		4		
		5		
		8		
	83.00			
STIFF brown SILTY LOAM		2		
		4	1.3	31.0
	81.00	7	S	
	-20			

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF dark brown SILTY LOAM		2		
		4	1.8	27.0
	78.50	6	P	
MEDIUM brown SANDY LOAM		1		
		4	0.9	15.0
	75.50	7	S	
	-25			
MEDIUM brown dirty SAND		1		
		5		
	73.00	7		
STIFF brown SANDY LOAM		1		
		4	1.4	27.0
	70.50	3	P	
	-30			
VERY LOOSE brown moist dirty SAND		1		
		1		
	68.50	2		
MEDIUM tan weathered LIMESTONE		3		
		11		
	66.00	18		
	▼-35			
DENSE tan weathered LIMESTONE	▽	20		
		20		
	63.50	18		
VERY DENSE tan weathered LIMESTONE		100/5"		
	61.00			
End of Boring	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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		DRAWN -	REVISED -
	PLOT SCALE = 1.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/17/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL 2)
SOIL BORING LOGS

SCALE: N/A | SHEET NO. 7 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	323
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

SOIL BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 1/25/06

ROUTE FA 742 DESCRIPTION P-92-136-94 Box Culvert Ext. - IL 2 - 300' S. of Clifton Avenue LOGGED BY J. Strating

SECTION 40 LOCATION Rockford Twp. - 34SW, SEC. , TWP. 44N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 340+58.5

BORING NO. B-2
Station 340+65
Offset 40.00ft Rt CL
Ground Surface Elev. 98.30 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 83.00 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SANDY LOAM			
		0.8 P	15.0
LOOSE brown dirty SAND & GRAVEL with CONCRETE fragments 95.80	2		
	1		
	3		
94.30			
MEDIUM brown SILTY CLAY LOAM with CONCRETE fragments	1		
	4	0.5 P	23.0
	4		
91.80			
LOOSE tan clean medium SAND with GRAVEL	3		
	4		
89.80	1		
LOOSE tan clean medium SAND with GRAVEL & CONCRETE fragments -10	3		
	3		
87.30	4		
MEDIUM brown dirty SAND & GRAVEL with CONCRETE & LIMESTONE fragments	4		
	5		
84.80	6		
No Recovery -15	3		
	3		
	3		
81.80			
MEDIUM black LOAM	1		
	2	0.6 B	22.0
79.80	3		
-20	1		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM dark brown SANDY LOAM (continued)	1	0.6	22.0
	5	B	
76.80			
VERY DENSE tan/gray weathered LIMESTONE	100/1"		
74.80			
End of Boring			
-25			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

Date 3/9/10

ROUTE FA 742 DESCRIPTION P-92-136-94 Box Culvert - .4 m. S. of Harrison Avenue LOGGED BY W. Garza

SECTION 40 LOCATION Rockford Twp. - 3NW, SEC. , TWP. 43N, RNG. 1E

COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO.
Station 294+92

BORING NO. B-2b
Station 295+26
Offset 23.00ft Rt CL
Ground Surface Elev. 99.50 ft

Surface Water Elev. ____ ft
Stream Bed Elev. 73.00 ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
5.3" Asphalt 10.0" Concrete			
97.00	1		
VERY STIFF gray SILTY CLAY LOAM	4	3.3	20.0
	5	P	
95.50			
-5			
MEDIUM dark brown LOAM	3		
	3	0.7	20.0
93.00	4	B	
VERY STIFF dark brown LOAM	1		
	5	2.1	17.0
90.50	5	B	
-10			
STIFF brown LOAM	2		
	5	1.7	19.0
	8	B	
87.50			
MEDIUM light brown dirty SAND	2		
	6		
85.50	5		
-15			
LOOSE light brown dirty SAND	2		
	4		
	4		
82.50			
STIFF brown SILTY CLAY LOAM	1		
	3	1.7	20.0
80.50	5	B	
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SANDY LOAM	1		
	2	0.4	17.0
	3	P	
77.50			
LOOSE tan fine SAND	0		
	2		
	3		
75.00			
-25			
VERY DENSE tan LIMESTONE 74.00	100/2"		
Auger Refusal at 25.5'			
End of Boring			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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		DRAWN -	REVISED -
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	PLOT DATE = 1/17/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

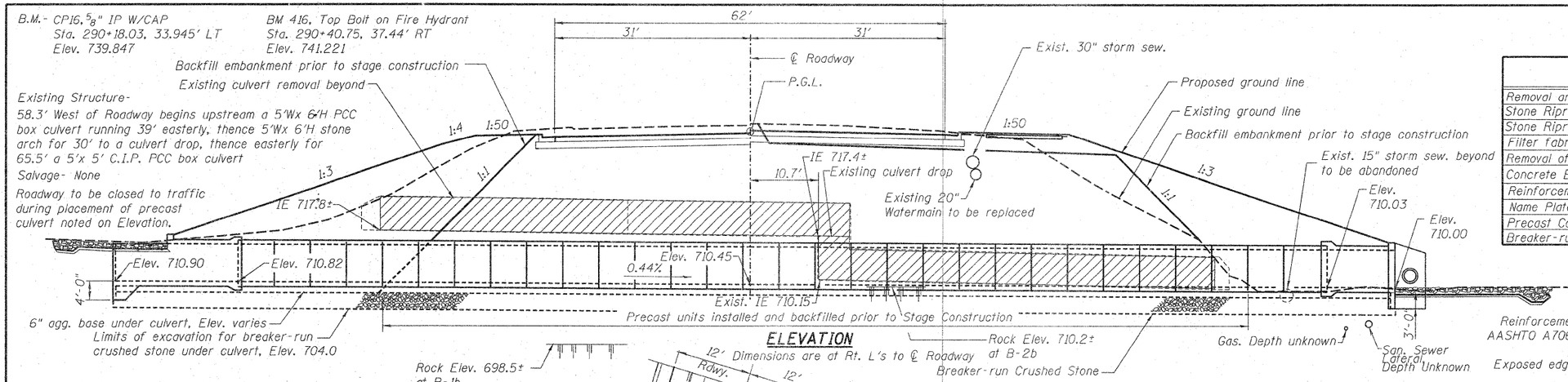
FAP 742 (IL 2)
SOIL BORING LOGS

SCALE: N/A | SHEET NO. 8 OF 8 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	324
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

B.M.- CP16, $\frac{5}{8}$" IP W/CAP
Sta. 290+18.03, 33.945' LT
Elev. 739.847

BM 416, Top Bolt on Fire Hydrant
Sta. 290+40.75, 37.44' RT
Elev. 741.221



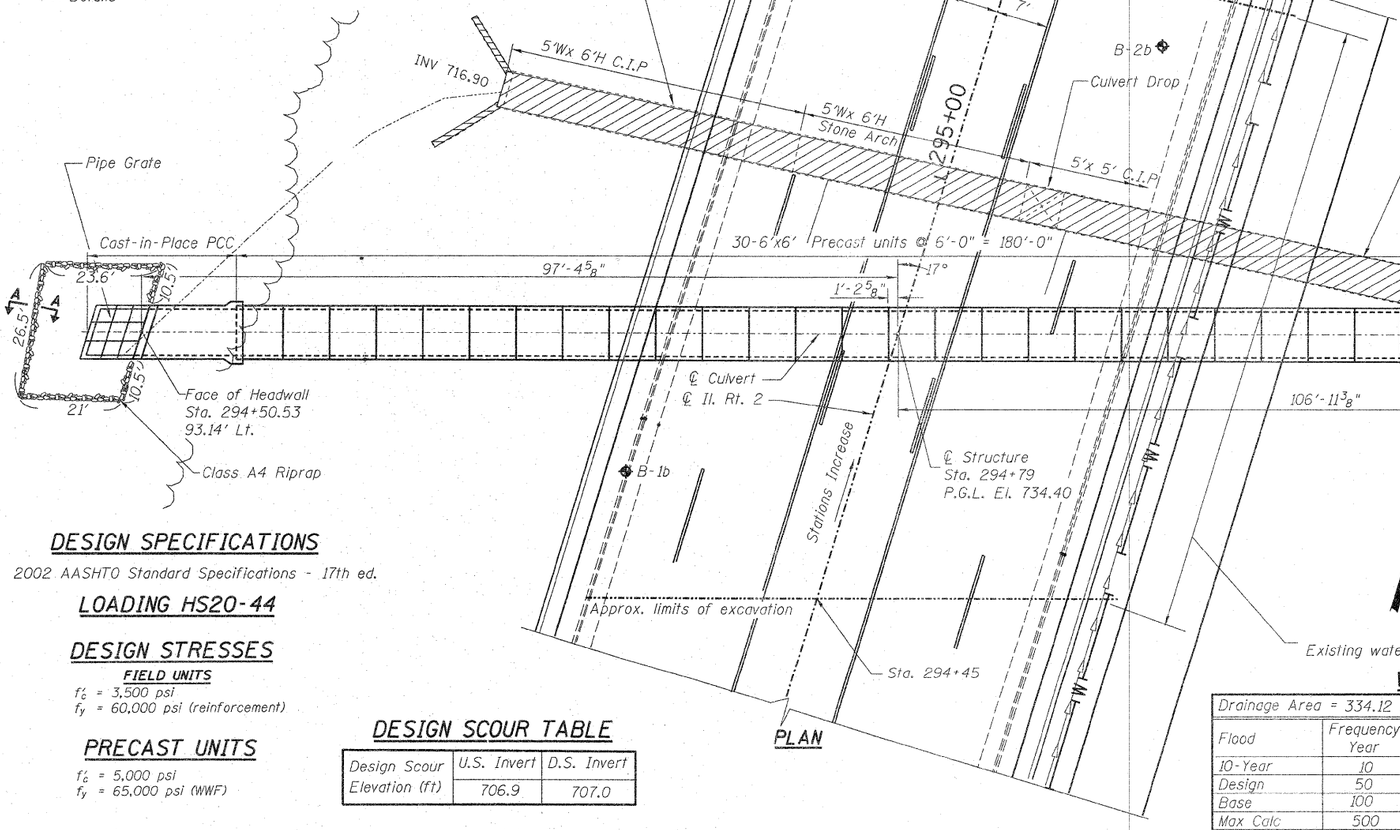
ELEVATION

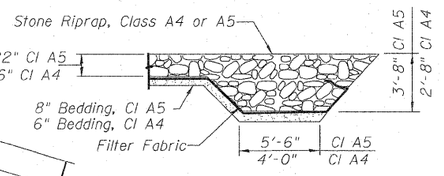
TOTAL BILL OF MATERIAL

Item	Unit	Total
Removal and disposal of unsuitable material	Cu. Yd.	573.8
Stone Riprap, Class A4	Sq. Yd.	58.9
Stone Riprap, Class A5	Sq. Yd.	85.2
Filter fabric	Sq. Yd.	144.1
Removal of Existing Structures No. 2	Each	1
Concrete Box Culverts	Cu. Yd.	38.5
Reinforcement Bars	Pound	6,460
Name Plates	Each	1
Precast Concrete Box Culvert, 6'x 6'	Foot	180
Breaker-run Crushed Stone	Ton	1,177

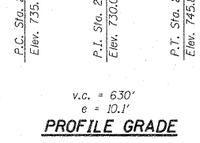
INDEX OF SHEETS

1. General Plan and Elevation
2. Stage Construction Details
3. Cast-in-place Culvert Details
4. Upstream Cast-in-place Culvert Reinforcment
5. Downstream Cast-in-place Culvert Reinforcement
6. Details





SECTION A-A



PROFILE GRADE

GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO A706 Grade 60.

Exposed edges shall be beveled $\frac{3}{4}$" unless otherwise noted.

All construction joints shall be bonded.

The limits and quantities of removal and replacement shown, may be modified by the District Geotechnical and Field Engineer for variable subsurface conditions encountered in the field.

The Breaker-run Crushed Stone shall be capped with 6" of CA7 and satisfy the Standard Specifications, unless otherwise indicated in the Special Provisions. The cost of the capping material shall be included in the pay item "Breaker-run Crushed Stone".

The Precast Concrete Box Culvert shall conform to the requirements of Article 540.06 of the Standard Specifications and AASHTO M259.

Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications - 17th ed.

LOADING HS20-44

DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)

PRECAST UNITS

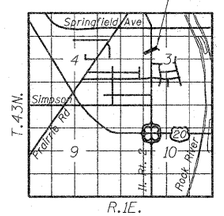
f'_c = 5,000 psi
f_y = 65,000 psi (WWF)

DESIGN SCOUR TABLE

Design Scour Elevation (ft)	U.S. Invert	D.S. Invert
	706.9	707.0

STATION 294+79
BUILT BY
STATE OF ILLINOIS
F.A. RT. 742 SEC. 34R
LOADING HS20
STR. NO. 101-1332

LETTERING FOR NAME PLATE



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 334.12 Ac. Low Grade Elev. = 734.61 @ Sta. 293+95

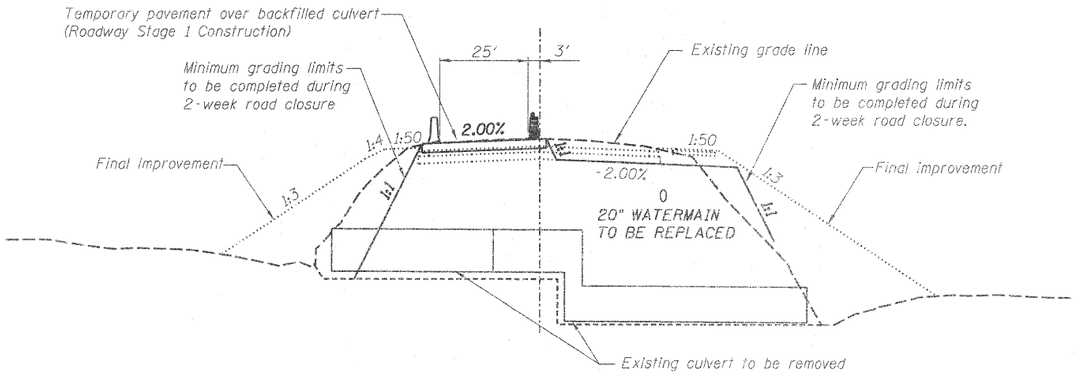
Flood	Frequency Year	Discharge (cfs)	Headwater Elevation (Ft) Exist.	Prop.
10-Year	10	235	723.77	719.23
Design	50	367	726.66	720.04
Base	100	423	728.50	720.35
Max Calc	500	556	733.98	723.40

10-Year Velocity through Existing Culvert = 11.48 ft/sec
10-Year Velocity through Proposed Culvert = 11.44 ft/sec

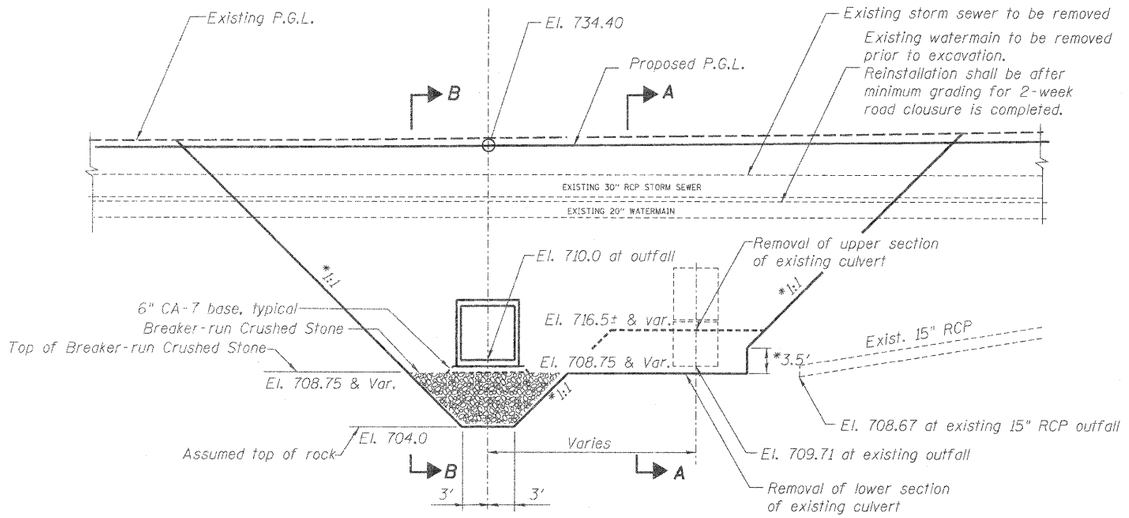
Exp 11/30/12
JOHN B. FELLMAN
081-006167
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS
1-13-2012

FILE NAME: 1011332-64515-001-GP&E	USER NAME =	DESIGNED - MHM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION S.N. 101-1332 SHEET NO. 1 OF 6 SHEETS
		CHECKED - JBF	REVISED -		
	PLOT SCALE =	DRAWN - RAP	REVISED -		
	PLOT DATE =	CHECKED - JBF	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	469	325
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

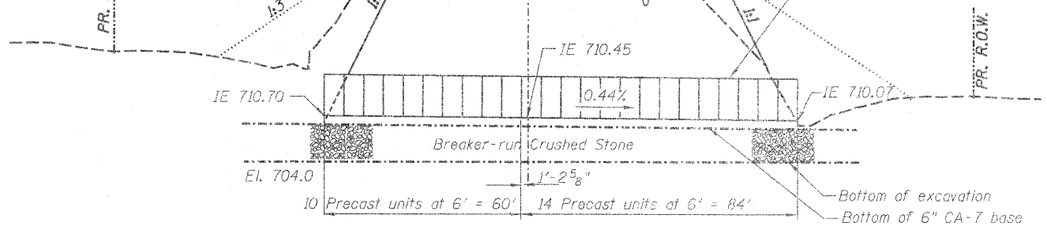


ELEVATION A-A



TYPICAL LIMITS OF EXCAVATION SCHEMATIC

* Excavation limits shall be determined by actual soil types encountered.



ELEVATION B-B

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		CHECKED - JBF	REVISED -			742	34R	WINNEBAGO	491	326
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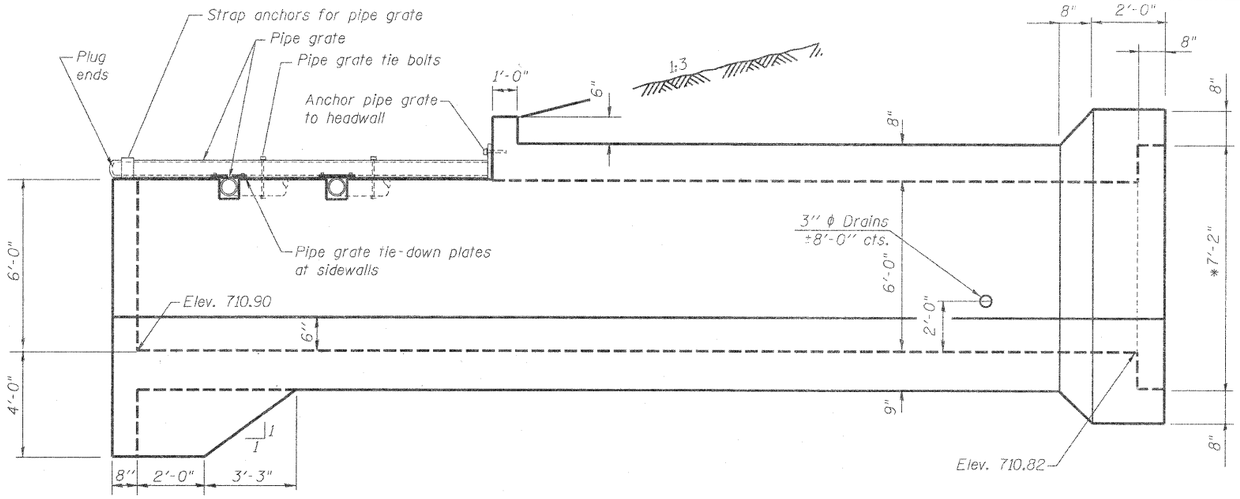
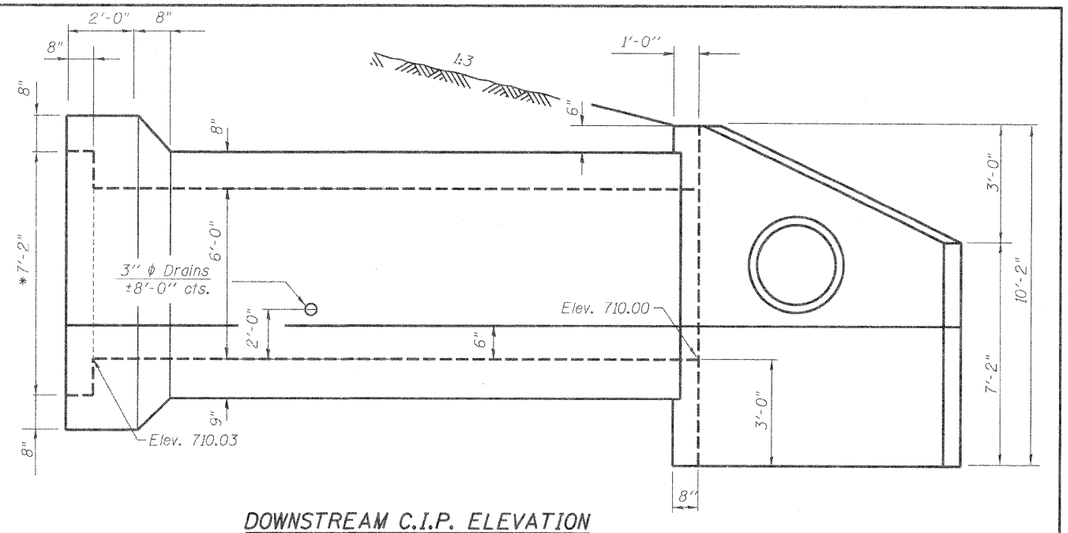
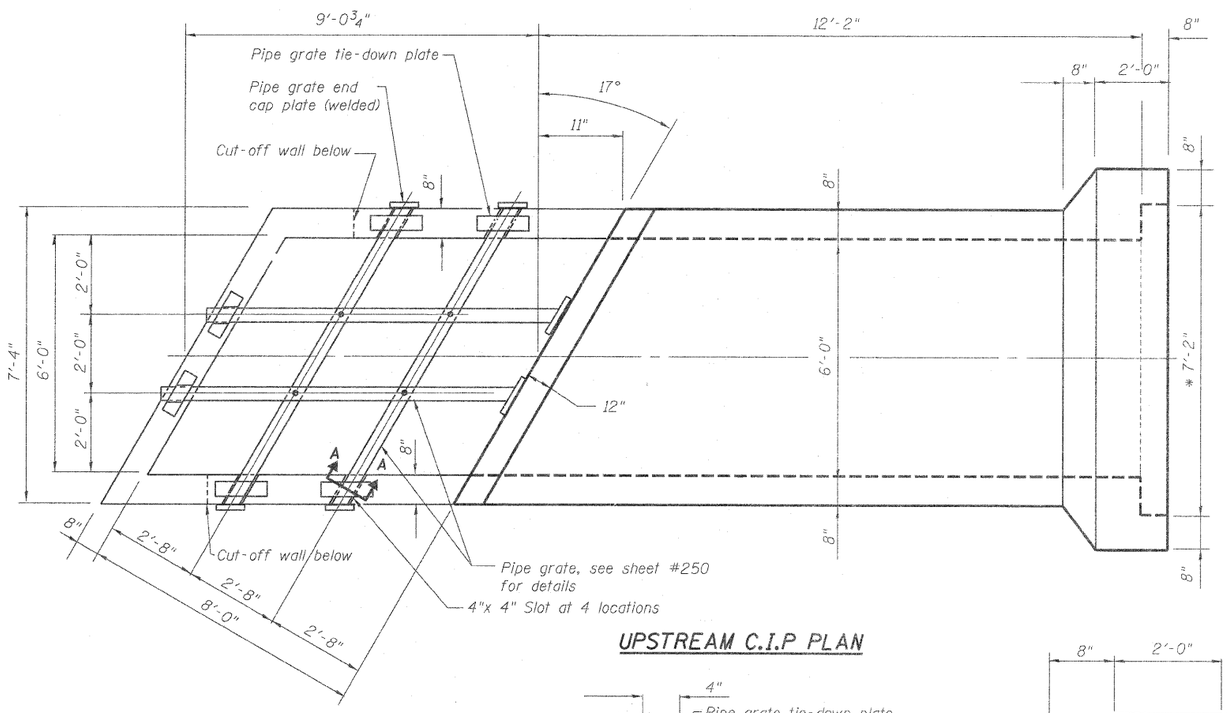


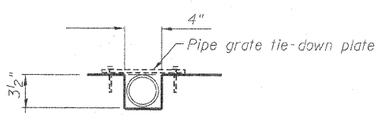
UPSTREAM C.I.P. ELEVATION



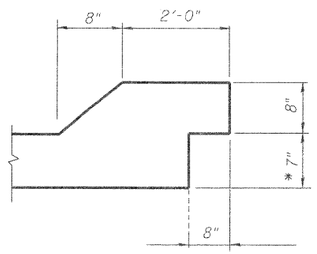
DOWNSTREAM C.I.P. ELEVATION



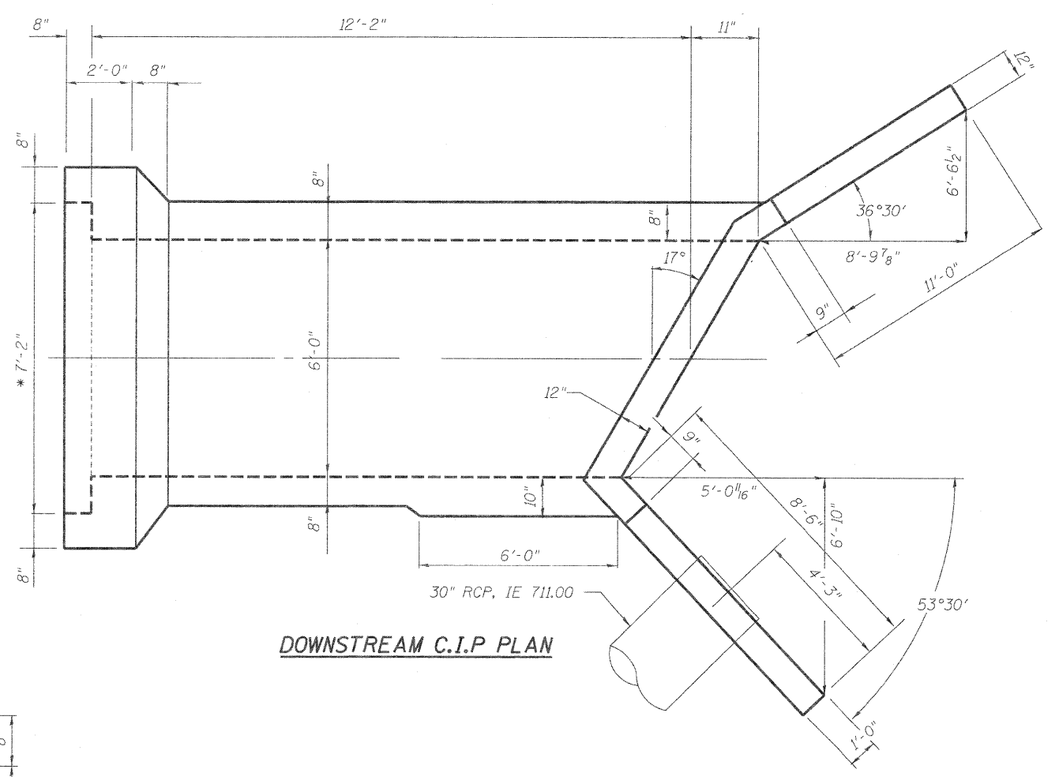
UPSTREAM C.I.P PLAN



SECTION A-A



TYPICAL CONNECTION COLLAR



DOWNSTREAM C.I.P PLAN

*Assumed based on 7" Precast walls

FILE NAME =	USER NAME =	DESIGNED - MHM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CAST-IN-PLACE CULVERT DETAILS S.N. 101-1332	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - JBF	REVISED -			742	34R	WINNEBAGO	491	327
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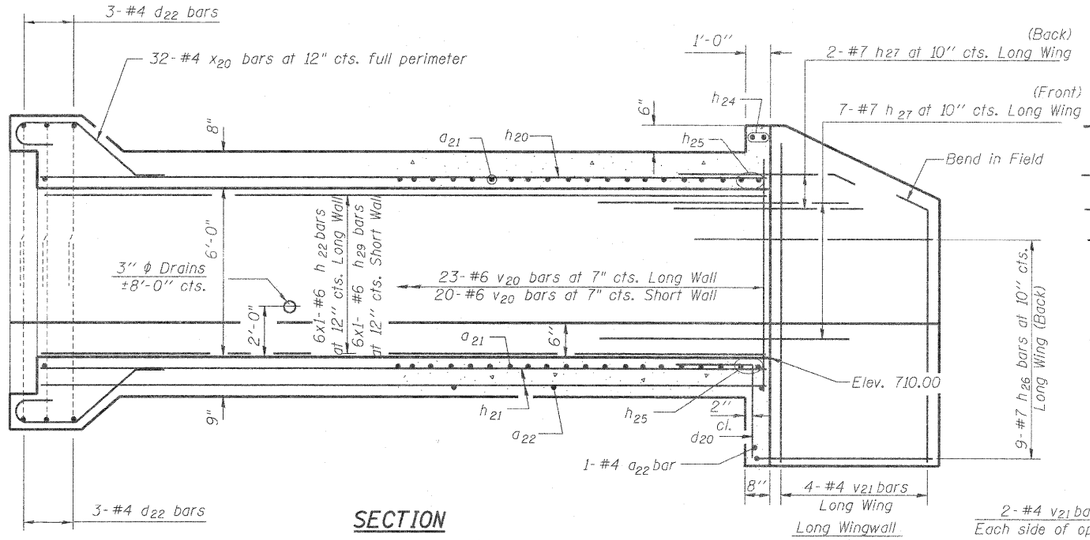
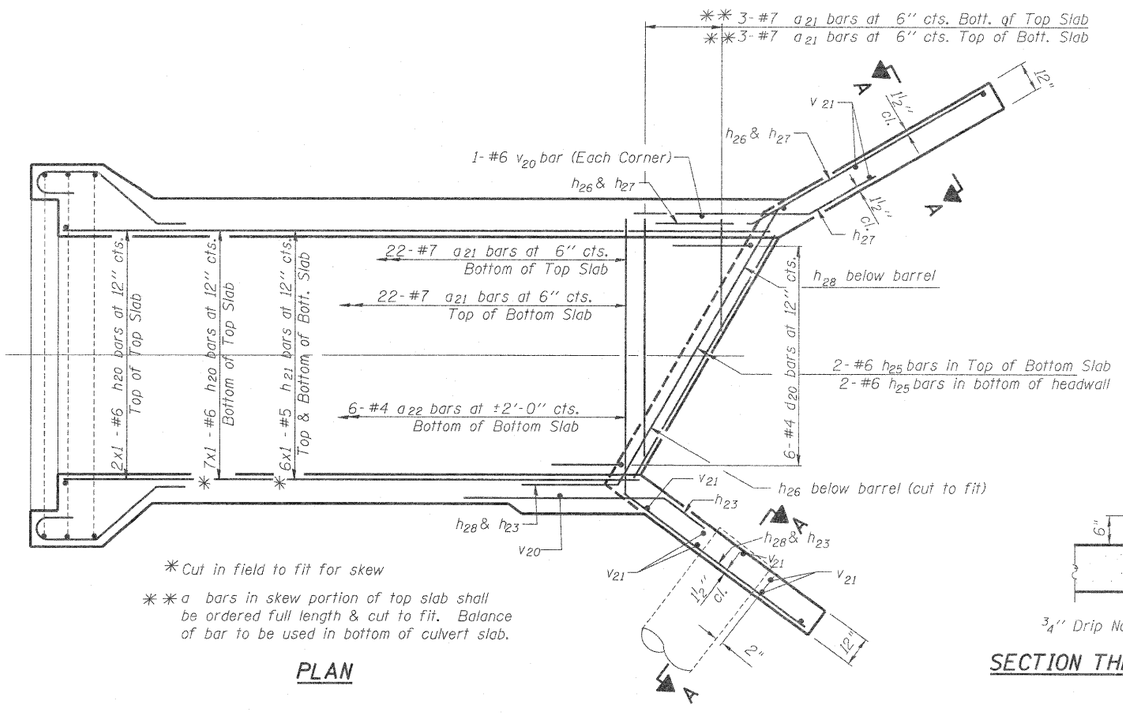
	PLOT DATE =	CHECKED - JBF	REVISED -		SHEET NO. 3 OF 6 SHEETS			ILLINOIS	FED. AID PROJECT	



SECTION

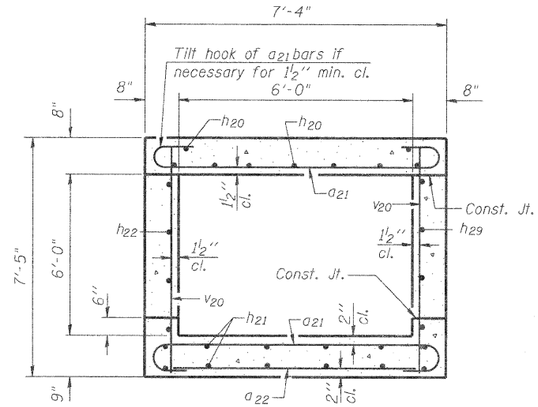
Dimensions at Rt. L's to ℄ Roadway



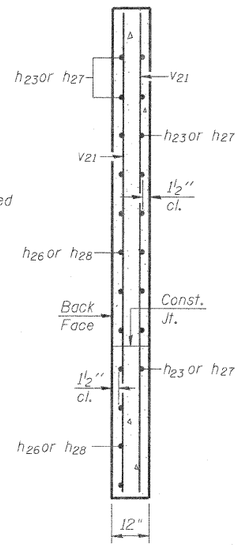
✳ Cut in field to fit for skew

✳✳ a bars in skew portion of top slab shall be ordered full length & cut to fit. Balance of bar to be used in bottom of culvert slab.

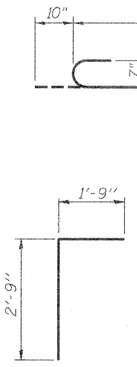
PLAN



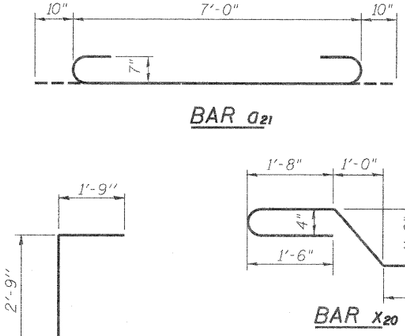
SECTION THRU BARREL



SECTION A-A



BAR d_{20}



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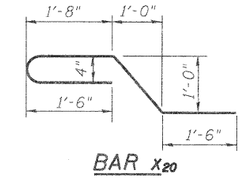

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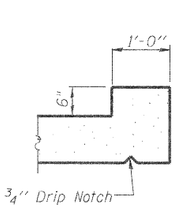
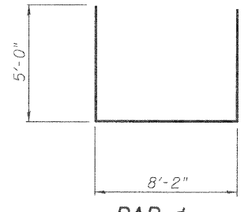
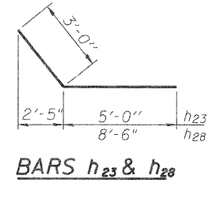


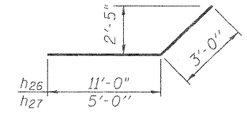
SECTION THRU HEADWALL



BAR d_{22}



BARS h_{23} & h_{28}



BARS h_{26} & h_{27}

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.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

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

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a_{21}	47	#7	8'-8"	
a_{22}	7	#4	6'-7"	
d_{20}	6	#4	4'-6"	
d_{22}	6	#4	18'-2"	
h_{20}	9	#6	12'-8"	
h_{21}	12	#5	12'-8"	
h_{22}	6	#6	12'-8	
h_{23}	8	#7	8'-0"	
h_{24}	4	#6	7'-0"	
h_{25}	4	#6	7'-0"	
h_{26}	9	#7	14'-0"	
h_{27}	9	#7	8'-0"	
h_{28}	8	#7	11'-6"	
h_{29}	6	#6	10'-11"	
v_{20}	45	#6	7'-0"	
v_{21}	11	#4	9'-10"	
x_{20}	32	#4	6'-5"	
Concrete Box Culverts			Cu. Yd.	16.8
Reinforcement Bars			Pound	2,960

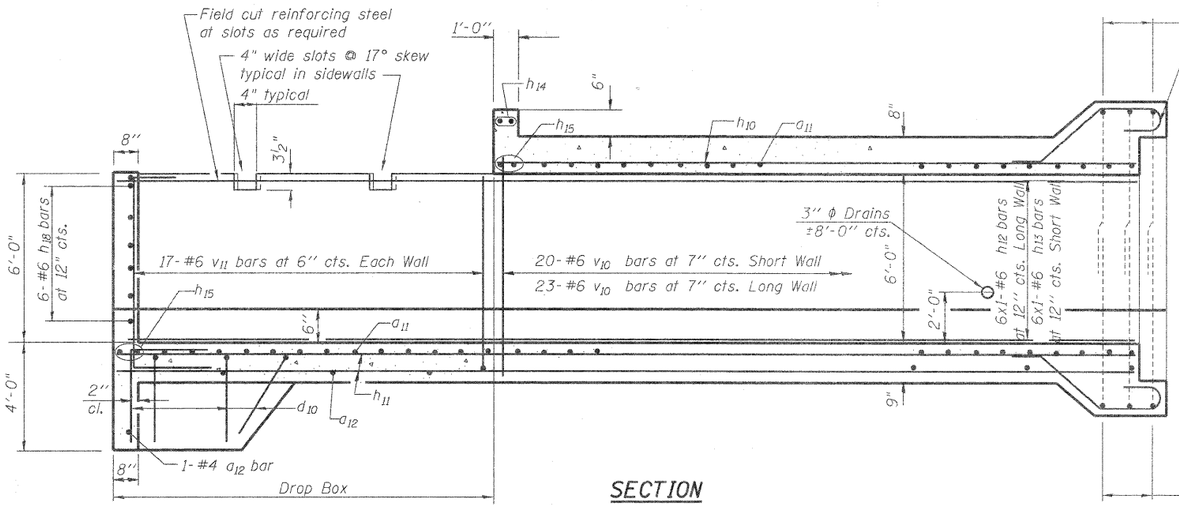
FILE NAME: 10113332-64515-004-CipDsReinf	USER NAME =	DESIGNED - MHM	REVISED -
		CHECKED - JBF	REVISED -
	PLOT SCALE =	DRAWN - RAP	REVISED -
	PLOT DATE =	CHECKED - JBF	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

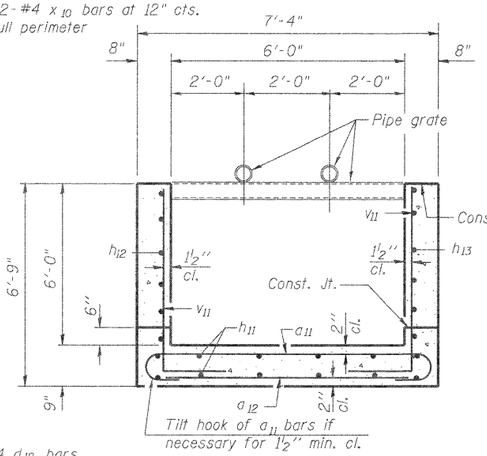
DOWNSTREAM CAST-IN-PLACE CULVERT REINFORCEMENT
S.N. 101-1332

SHEET NO. 4 OF 6 SHEETS

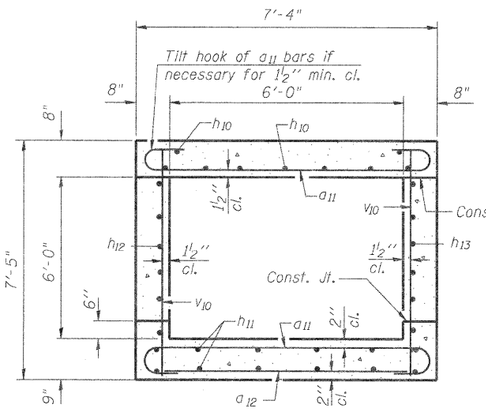
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	328
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		



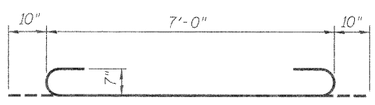
SECTION



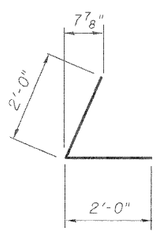
SECTION THRU DROP BOX



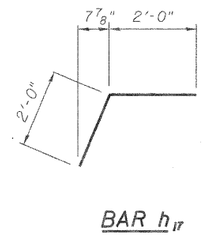
SECTION THRU BARREL



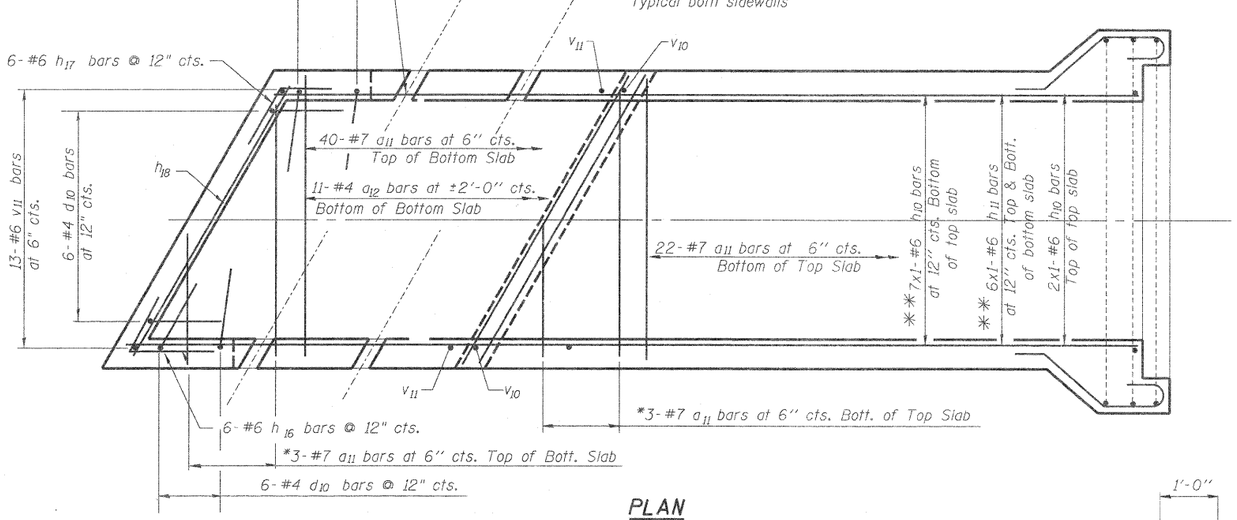
BAR a_{11}



BAR h_{16}



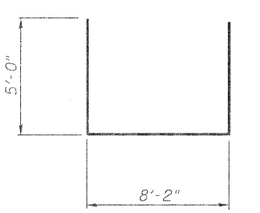
BAR h_{17}



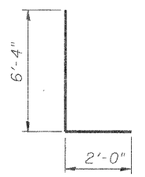
PLAN

** Cut in field to fit.

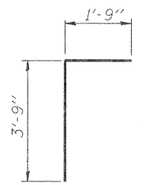
* Cut in field to fit for skew. Use balance of a_{11} bars in Drop Box bottom slab



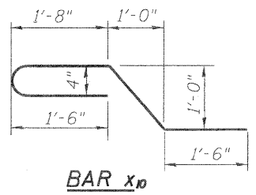
BAR d_{12}



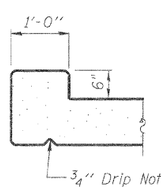
BAR v_{11}



BAR d_{10}



BAR x_{10}



SECTION THRU HEADWALL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a_{11}	65	#7	8'-8"	
a_{12}	11	#4	7'-0"	
d_{10}	18	#4	5'-6"	
d_{12}	6	#4	18'-2"	
h_{10}	9	#6	12'-11"	
h_{11}	12	#5	22'-0"	
h_{12}	6	#6	22'-0"	
h_{13}	6	#6	17'-8"	
h_{14}	2	#6	7'-0"	
h_{15}	4	#6	7'-0"	
h_{16}	6	#6	4'-0"	
h_{17}	6	#6	4'-0"	
h_{18}	6	#6	7'-0"	
v_{10}	43	#6	7'-0"	
v_{11}	47	#6	8'-4"	
x_{10}	32	#4	6'-5"	
Concrete Box Culverts			Cu. Yd.	21.7
Reinforcement Bars			Pound	3,500

NOTES

A distance of not less than six feet of the barrel shall be poured monolithically with the Drop box walls.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

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

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

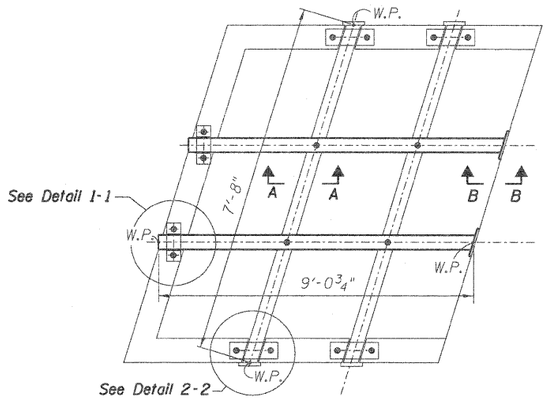
FILE NAME: 1011332-64515-005-CipUsReinf	USER NAME =	DESIGNED - MHM	REVISED -
		CHECKED - JBF	REVISED -
	PLOT SCALE =	DRAWN - RAP	REVISED -
	PLOT DATE =	CHECKED - JBF	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UPSTREAM CAST-IN-PLACE CULVERT REINFORCEMENT
S.N. 101-1332

SHEET NO. 5 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	329
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

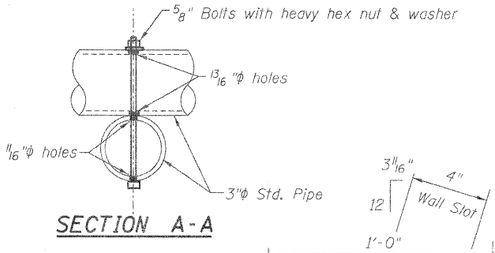


PIPE GRATE DETAIL

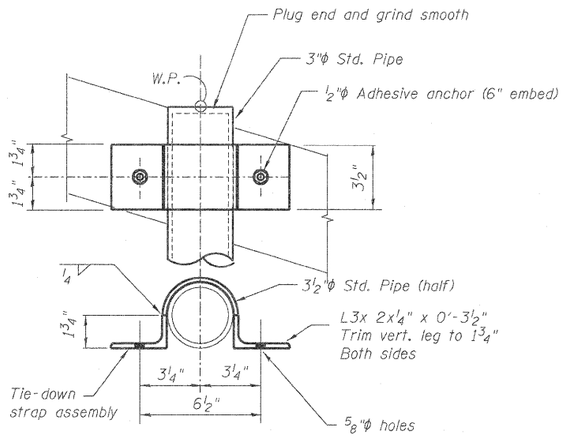
BILL OF MATERIAL

(For information only)
Included in Concrete Box Culverts

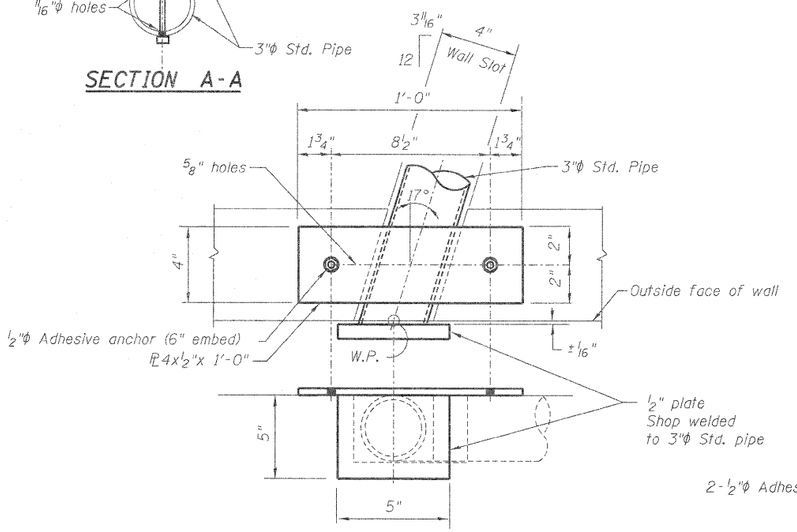
ITEM	UNIT	TOTAL
3" Galv. Steel Pipe x 7'-9 1/8"	Each	2
3" Galv. Steel Pipe x 9'-1 1/4"	Each	2
PL 5x1/2"x 0'-5"	Each	4
PL 4x1/2"x 1'-0"	Each	4
PL 7x1/2"x 0'-10"	Each	2
Tie-down strap assembly	Each	2
5/8"ϕx 0'-9" bolts w/ heavy hex nuts & washers	Each	4
1/2"ϕ Adhesive anchors w/ hex nuts & washers	Each	16



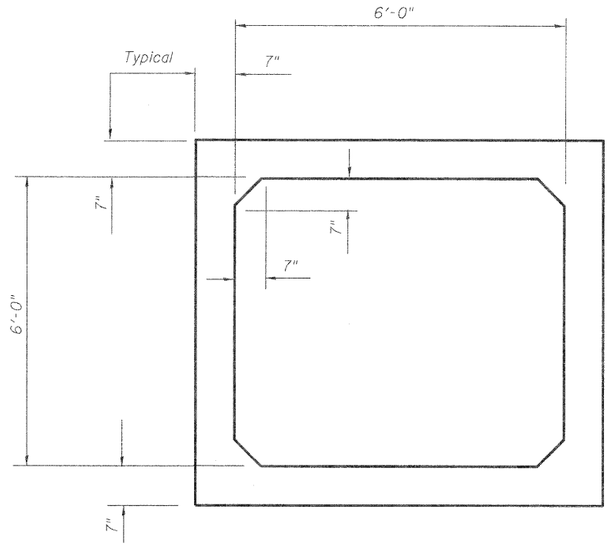
SECTION A-A



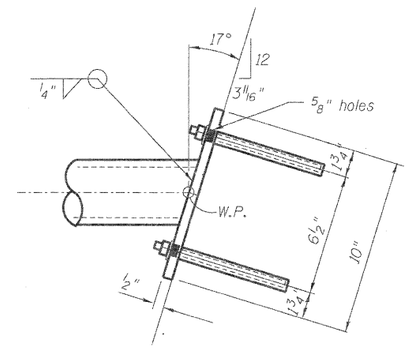
DETAIL 1-1

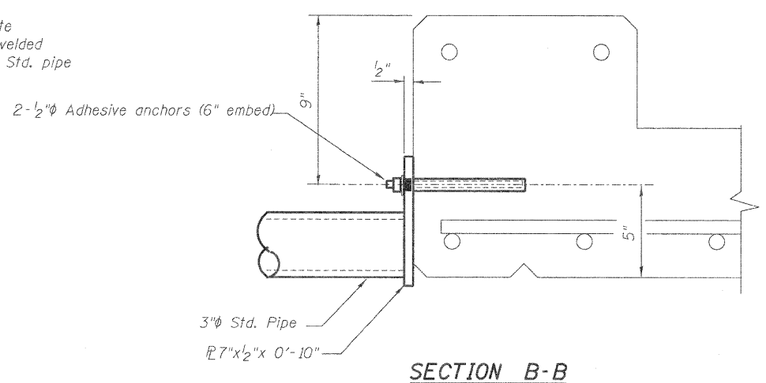


DETAIL 2-2



TYPICAL PRECAST SECTION





SECTION B-B

PIPE GRATE NOTES:

For the pipe grate shown on these plans, this work shall be included in the contract unit price per cu. yd. for Concrete Box Culverts.

Unless otherwise noted, all structural steel shall be hot-dipped galvanized after shop fabrication according to AASHTO M-111 (ASTM A-123).

Hollow steel pipe sections shall conform to the requirements of ASTM A-53.

All other steel shapes and plates shall conform to the requirements of AASHTO M-270, GRADE 36.

Anchors, bolts, nuts, and washers shall be galvanized according to the requirements of AASHTO M-232 (ASTM A-153).

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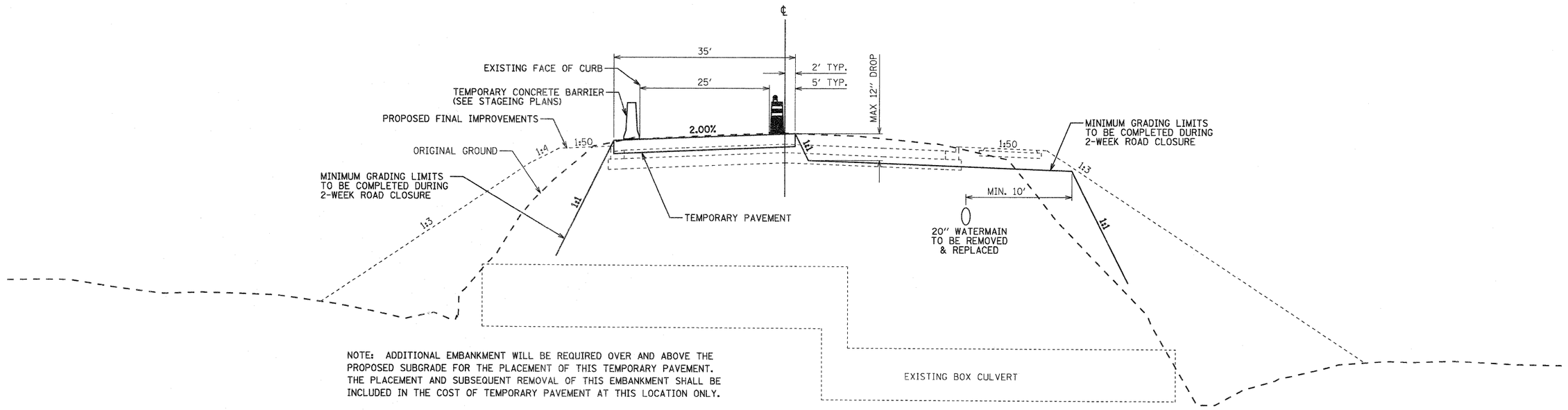
		CHECKED - JBF	REVISED -
	PLOT SCALE =	DRAWN - RAP	REVISED -
	PLOT DATE =	CHECKED - JBF	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS
S.N. 101-1332
SHEET NO. 6 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	330
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

IL ROUTE 2
AT BOX CULVERT
(STA. 294+79)



NOTE: ADDITIONAL EMBANKMENT WILL BE REQUIRED OVER AND ABOVE THE PROPOSED SUBGRADE FOR THE PLACEMENT OF THIS TEMPORARY PAVEMENT. THE PLACEMENT AND SUBSEQUENT REMOVAL OF THIS EMBANKMENT SHALL BE INCLUDED IN THE COST OF TEMPORARY PAVEMENT AT THIS LOCATION ONLY.

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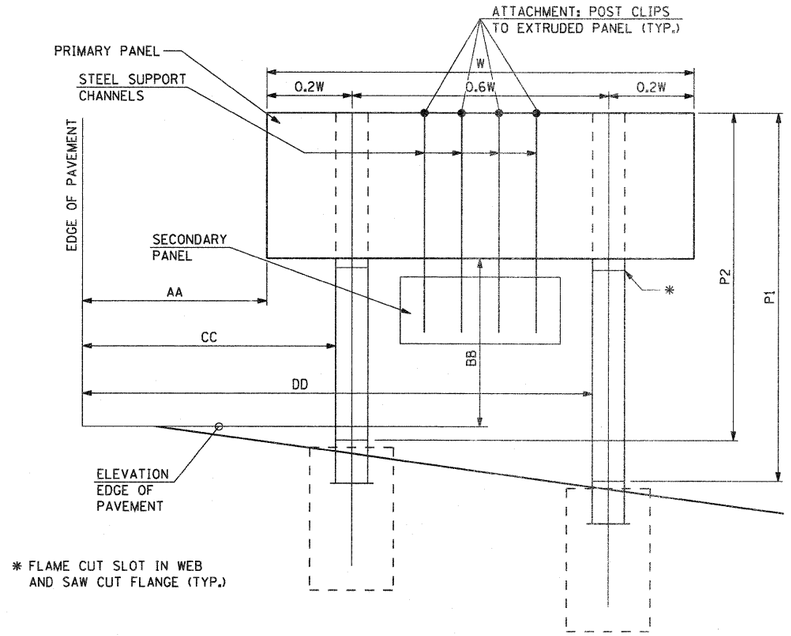
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

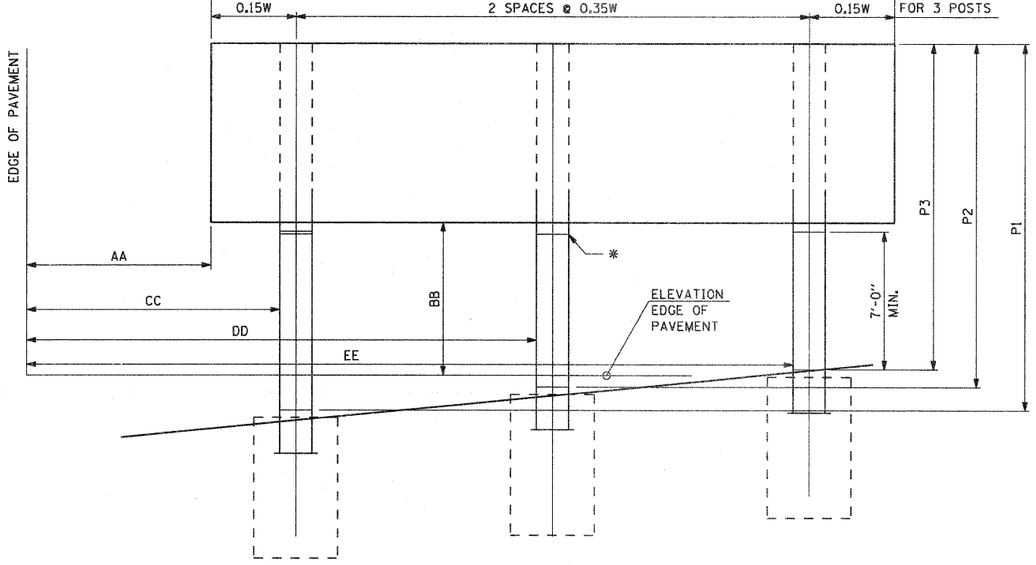
FAP 742 (IL 2)
TYPICAL BACKFILL PRIOR TO ROADWAY STAGE 1 CONSTRUCTION

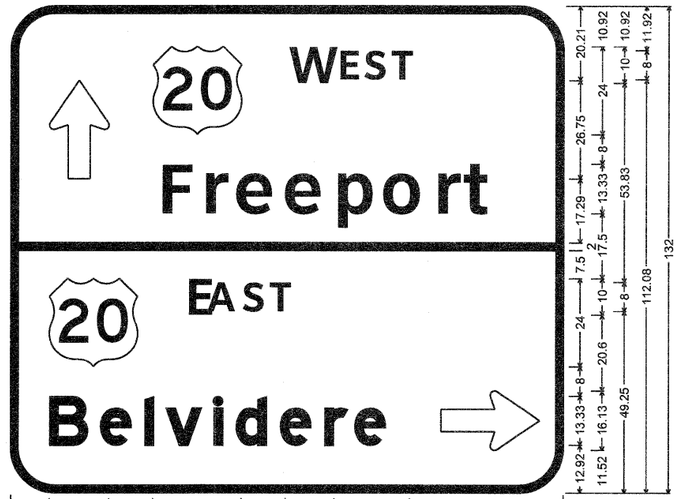
SCALE: N/A | SHEET NO. OF SHEETS | STA. TO STA.

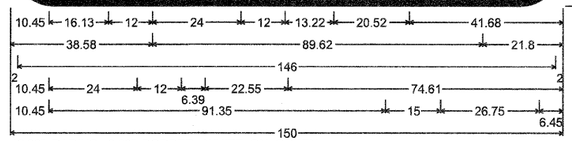
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	331
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

DETAIL FOR MOUNTING SECONDARY SIGN PANEL









12.00" RADIUS, 2.00" BORDER, WHITE ON GREEN;
STANDARD ARROW CUSTOM 26.75" X 16.13" 90°; [WEST] CLEARVIEWHWY-5-W;
[FREEPORT] CLEARVIEWHWY-5-W 85% SPACING; [EAST] CLEARVIEWHWY-5-W;
[BELVIDERE] E MOD 85% SPACING; STANDARD ARROW CUSTOM 26.75" X 16.13" 0°;
TABLE OF WIDTHS AND SPACES.

10.45	⇧ 16.13	12.00	20 24.00	12.00	W 13.22	-0.00	E 5.11	2.08	S 5.78	1.76	T 5.79	41.68	
38.58	F 8.13	3.65	r 6.11	2.88	e 9.79	3.39	e 9.80	3.84	p 9.64	3.39	o 10.32	3.85	r 6.10	2.17	t 6.56	21.80
2.00	— 146.00	2.00														
10.45	20 24.00	12.00	E 6.39	-0.00	A 7.50	1.72	S 5.78	1.77	T 5.78	74.61						
10.45	B 10.63	3.19	e 8.50	3.56	l 2.50	3.17	v 9.94	3.18	l 2.50	3.47	d 8.50	3.48	e 8.50	3.56	r 6.50	1.67	e 8.50
	15.00	⇨ 26.75	6.45													

SIGN PANEL DESCRIPTION	STA.	SIGN PANEL DIMENSIONS W (FT)	H (FT)	SIGN POSITIONING DIMENSIONS AA (FT)	BB (FT)	CC (FT)	DD (FT)	EE (FT)	POST SIZE	P1 (FT)	P2 (FT)	P3 (FT)	72000300 SIGN PANEL TYPE 3 (SQ FT)	72700100 STRUCTURAL STEEL SIGN SUPPORT-BREAKAWAY (POUND)	73400100 CONC FOUNDATION (CU YD)
NORTHBOUND IL 2															
US 20 WEST US 20 EAST	238+00	12.5	11	30.5	7	33	40.5		W8X18	19.82	19.74		137.5	713	1.4

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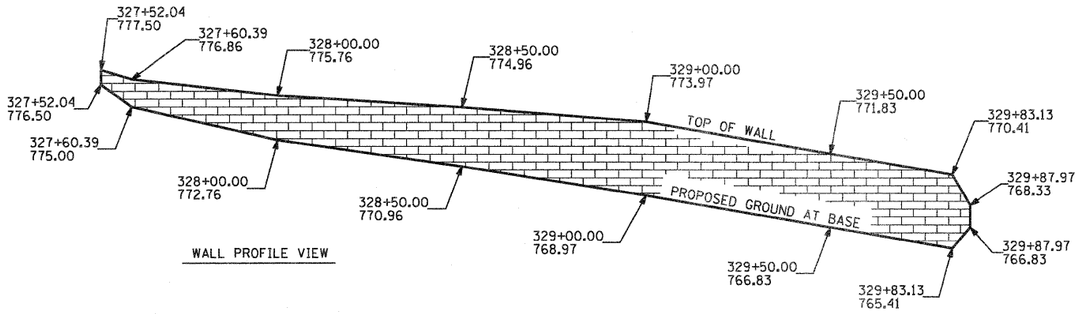
FAP 742 (IL 2)
SIGN STRUCTURE DETAIL

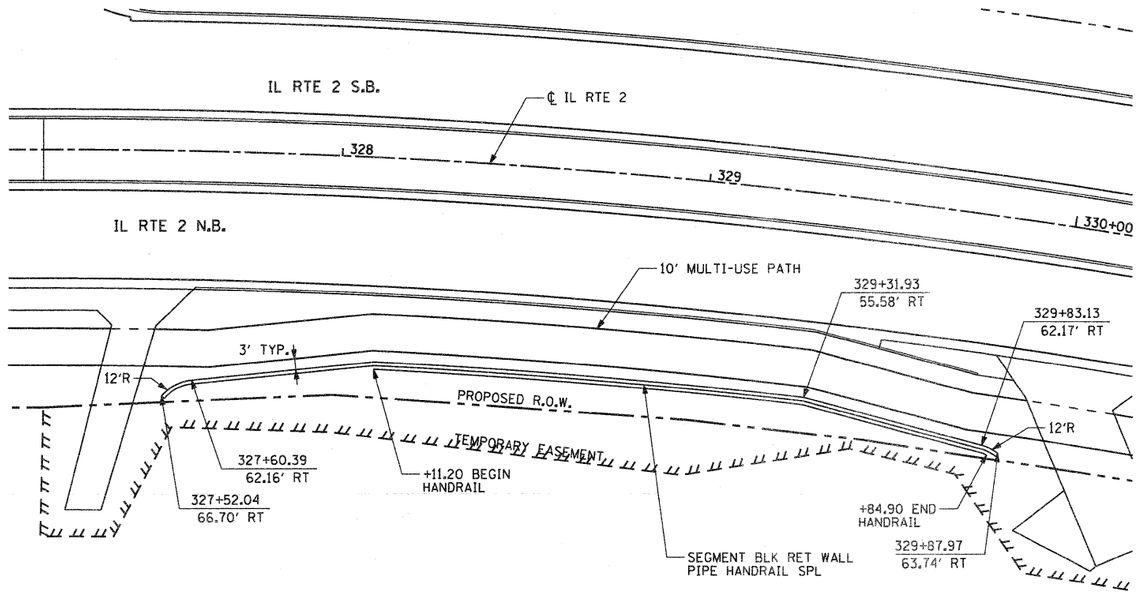
SCALE: N/A | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	332
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

EAST RETAINING WALL
STA. 327+52.04 - STA. 329+87.97



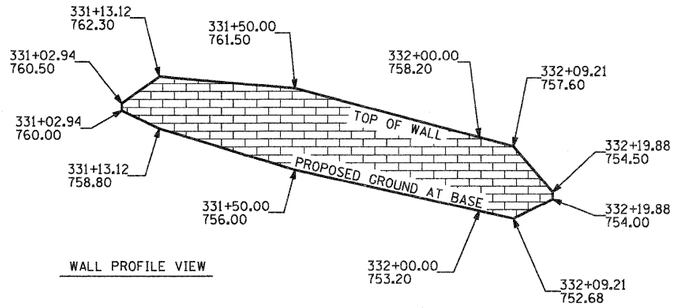
WALL PROFILE VIEW



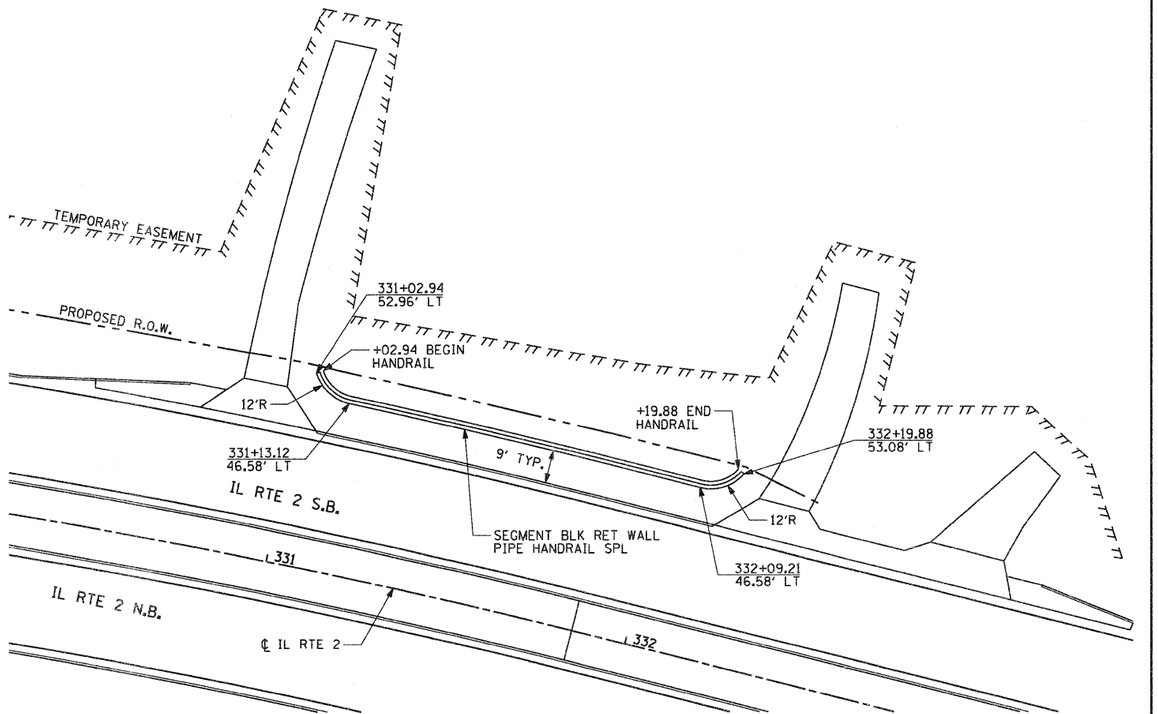
NOTE:
1. WALL OFFSETS ARE TO THE FACE OF WALL AT PROPOSED GROUND
2. USE DISTRICT STANDARD 64.2 FOR PIPE HANDRAIL, SPECIAL
3. DESIGN COMPUTATIONS AND SHOP PLANS MUST BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION
4. CAP BLOCKS ARE REQUIRED ON THE TOP COURSE OF STANDARD BLOCK
5. WALL QUANTITIES WERE ESTIMATED ASSUMING 2 FEET BELOW PROPOSED GROUND AT BASE. PAYMENT WILL BE MADE USING ACTUAL MEASURED QUANTITIES
6. REFER TO SPECIAL PROVISIONS

SCALE IN FEET
0 20 40

WEST RETAINING WALL
STA. 331+02.94 - STA. 332+19.88



WALL PROFILE VIEW



SCALE IN FEET
0 20 40

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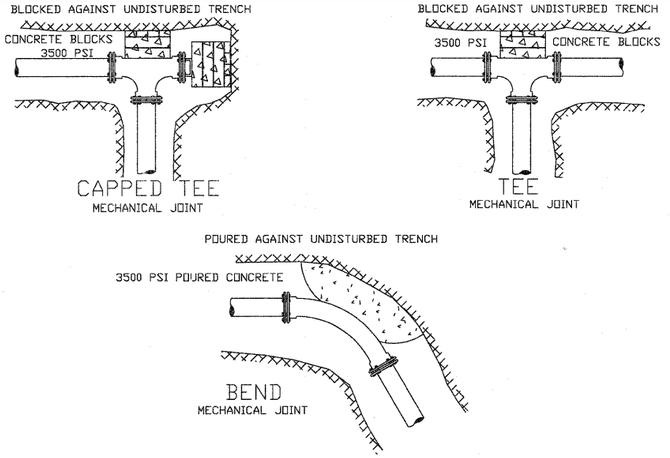
		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/17/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL 2)
SEGMENTAL BLOCK RETAINING WALL DETAIL

SCALE: N/A | SHEET NO. OF SHEETS | STA. TO STA.

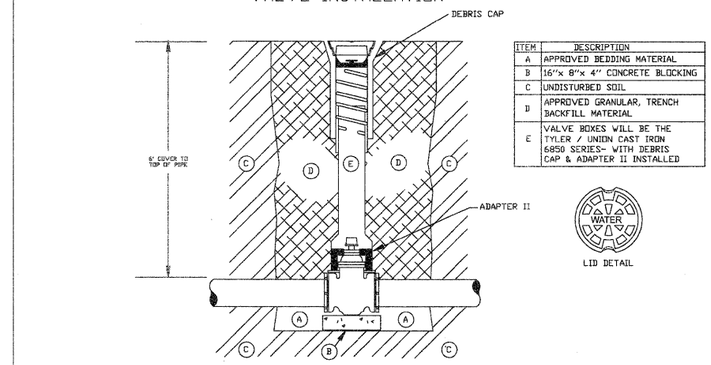
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	333
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		



DTL-THBK

THRUST BLOCK INSTALLATIONS

NOT TO SCALE

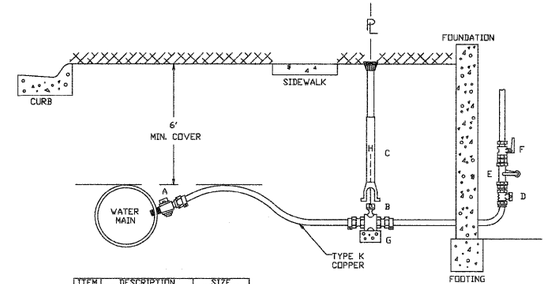


ITEM	DESCRIPTION
A	APPROVED BEDDING MATERIAL
B	16"x 8"x 4" CONCRETE BLOCKING
C	UNDISTURBED SOIL
D	APPROVED GRANULAR, TRENCH BACKFILL MATERIAL
E	VALVE BOXES WILL BE THE TYLER / UNION CAST IRON 6850 SERIES- WITH DEBRIS CAP & ADAPTER II INSTALLED

DTL-VV

VALVE & VALVE BOX DETAIL

NOT TO SCALE

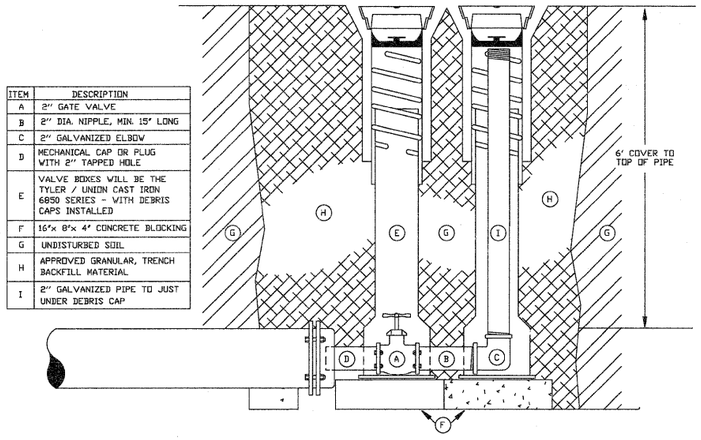


ITEM	DESCRIPTION	SIZE
A	CORPORATION STOP	3/4"-2"
B	CURB STOP	3/4"-2"
C	CURB BOX	EXTENDABLE
D	METER STOP	3/4"-2"
E	METER SPREAD	5/8"-2"
F	METER STOP HOUSE SIDE	5/8"-2"
G	BRICK	CEMENT
H	ROD	36"

DTL-WSER

WATER SERVICE DETAIL

NOT TO SCALE

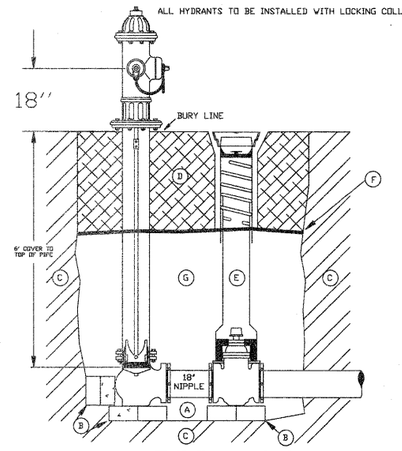


ITEM	DESCRIPTION
A	2" GATE VALVE
B	2" DIA. NIPPLE, MIN. 15" LONG
C	2" GALVANIZED ELBOW
D	MECHANICAL CAP OR PLUG WITH 2" TAPPED HOLE
E	VALVE BOXES WILL BE THE TYLER / UNION CAST IRON 6850 SERIES - WITH DEBRIS CAPS INSTALLED
F	16"x 8"x 4" CONCRETE BLOCKING
G	UNDISTURBED SOIL
H	APPROVED GRANULAR, TRENCH BACKFILL MATERIAL
I	2" GALVANIZED PIPE TO JUST UNDER DEBRIS CAP

BVI-CAST

BLEEDER VALVE BOX INSTALLATION

NOT TO SCALE

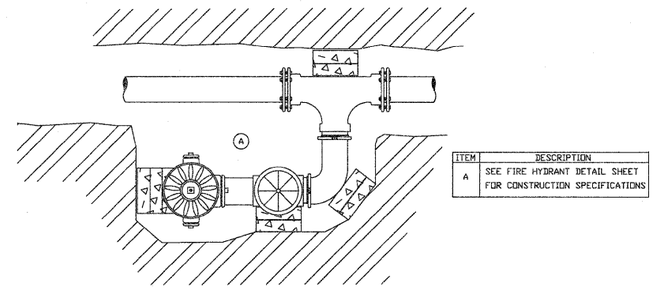


ITEM	DESCRIPTION
A	APPROVED BEDDING MATERIAL
B	8"x 4"x 4" CONCRETE BLOCKING 3500 PSI STRENGTH TYPE
C	UNDISTURBED SOIL
D	APPROVED GRANULAR, TRENCH BACKFILL MATERIAL
E	VALVE BOXES WILL BE THE TYLER / UNION CAST IRON 6850 SERIES- WITH DEBRIS CAP & ADAPTER II INSTALLED
F	A WATER PERMEABLE GEOTEXTILE IS TO BE PLACED BETWEEN 1" WASHED STONE AND BACKFILL
G	VALVE AND HYDRANT TO BE BACK FILLED WITH, 1" WASHED STONE MINIMUM OF 24 INCHES IN DEPTH

DTL-FH

FIRE HYDRANT COMPLETE

NOT TO SCALE

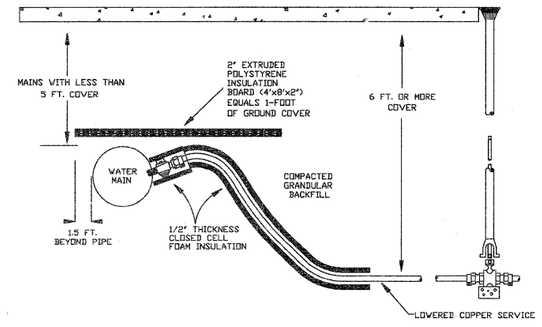


ITEM	DESCRIPTION
A	SEE FIRE HYDRANT DETAIL SHEET FOR CONSTRUCTION SPECIFICATIONS

DTL-FH

OFFSET FIRE HYDRANT COMPLETE WITH ELL

NOT TO SCALE



DTL-INSUL

FREEZE PROTECTION

NOT TO SCALE

FILE NAME = gs\2010\trans\bl0t001\dgn\Details\CITY OF	USER NAME = patp	DESIGNED -	REVISED -
	ROCKFORD_DETAILS.dgn	DRAWN -	REVISED -
	PLOT SCALE = 10.000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/17/2012	DATE -	REVISED -

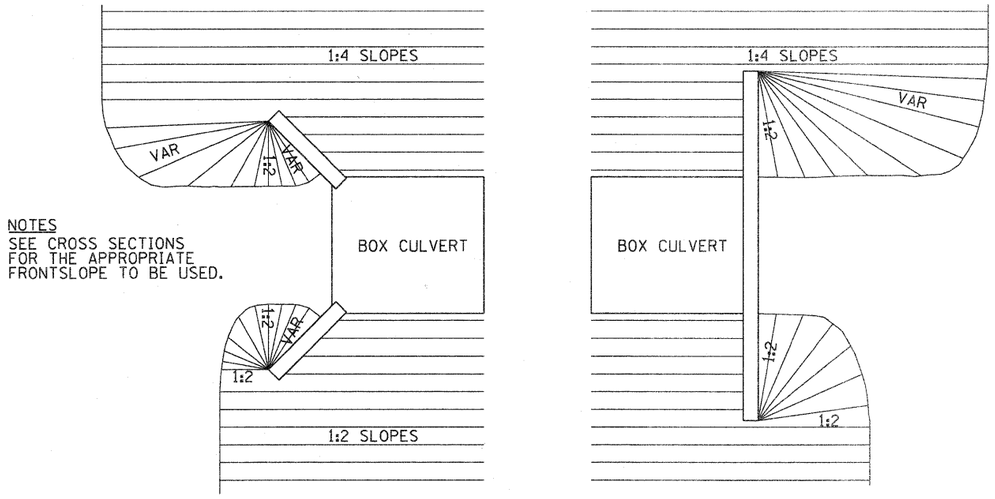
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL 2)
CITY OF ROCKFORD WATER MAIN DETAILS

SCALE: N/A | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	334
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

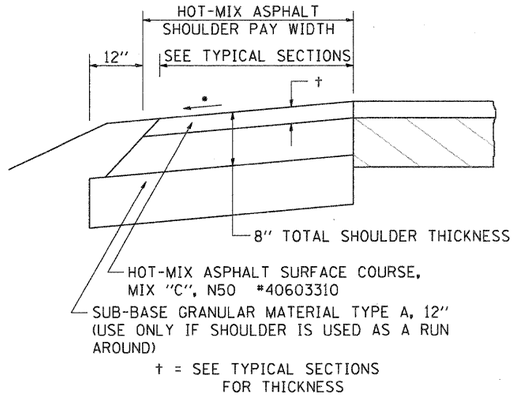
GRADING AROUND WINGWALLS



NOTES
SEE CROSS SECTIONS FOR THE APPROPRIATE FRONTSLOPE TO BE USED.

5-27-09

HOT-MIX ASPHALT SHOULDER



GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

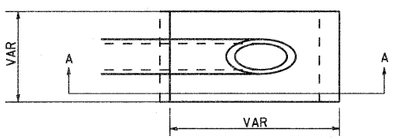
USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

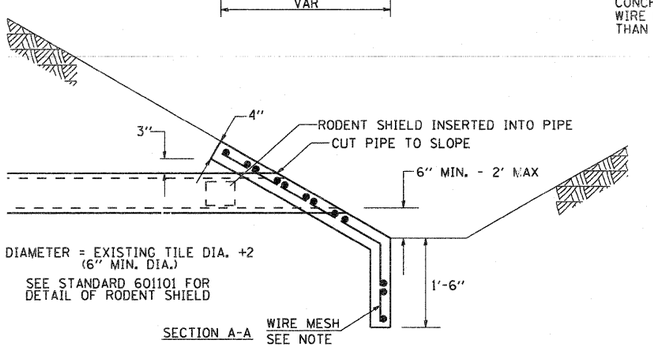
REVISED - 6-06-11

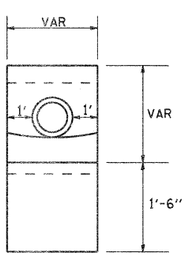
CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS



NOTES

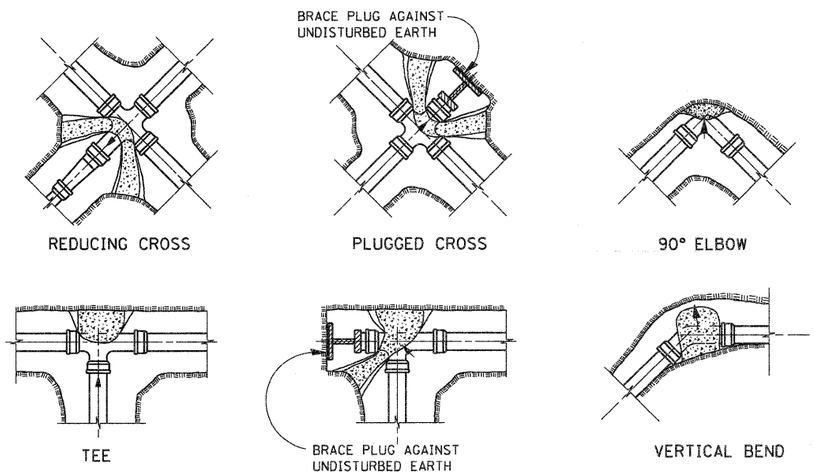
1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE EACH FOR CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.





REVISED - 9-07-10

THRUST BLOCK DETAILS



NOTES:
ALL BLOCKS TO BEAR AGAINST UNDISTURBED EARTH.
ARROWS INDICATE DIRECTION OF THRUST.
ALL BLOCKS TO BE CLASS SI CONCRETE.
ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

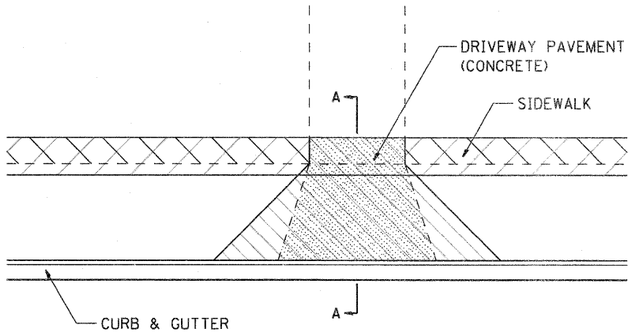
REVISED - 10-3-11	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		742	34R	WINNEBAGO	491	335
REVISED -				CONTRACT NO. 64515		
REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

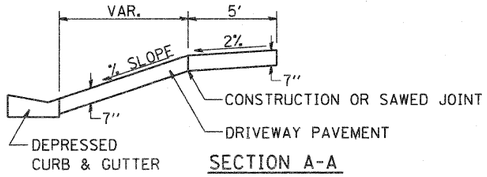
PLOT DATE = 1/17/2012

SIDEWALK AND DRIVEWAY PAVEMENT PAY AREAS

PAY FOR AS

- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PCC SIDEWALK 5
- PCC DRIVEWAY PAVEMENT 7





SECTION A-A

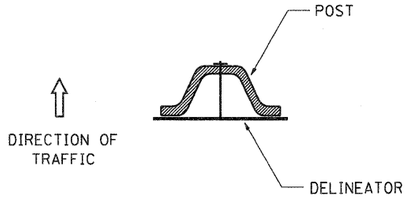
FOR DETAILS ON DIMENSIONS AND GRADES, SEE DISTRICT STANDARD 25.1 OR PLANS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

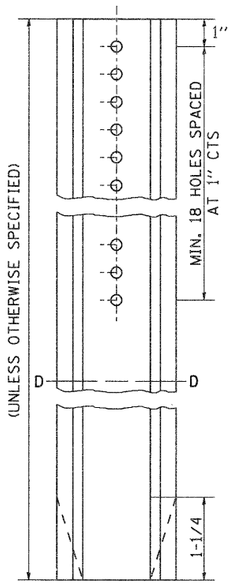
REVISED - 10-3-11

SIDEWALK AND DRIVEWAY PAVEMENT PAY AREAS 35.4

DELINEATOR AND POST ORIENTATION



SECTION D-D



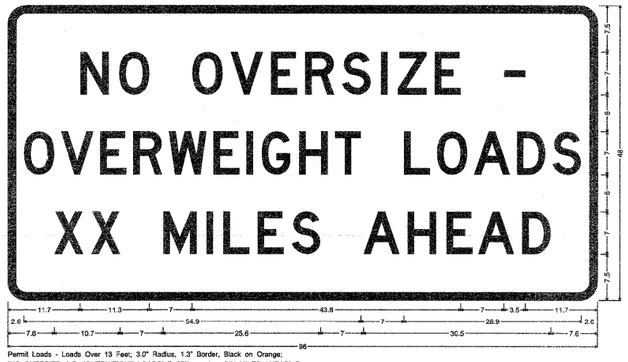
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180° . THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-3-11

DELINEATOR AND POST ORIENTATION 37.4

ROAD CLOSED TO OVERSIZED LOADS



Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border, Black on Orange;
[NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;
Table of letter and object lefts.

N	G	O	V	E	R	S	I	Z	E	-														
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8														
O	V	E	R	W	E	I	G	H	T	L	O	A	D	S										
2.6	8.8	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	86.7										
T	T	H	I	L	E	S	A	H	E	A	D													
7.8	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	78.6	83.7													

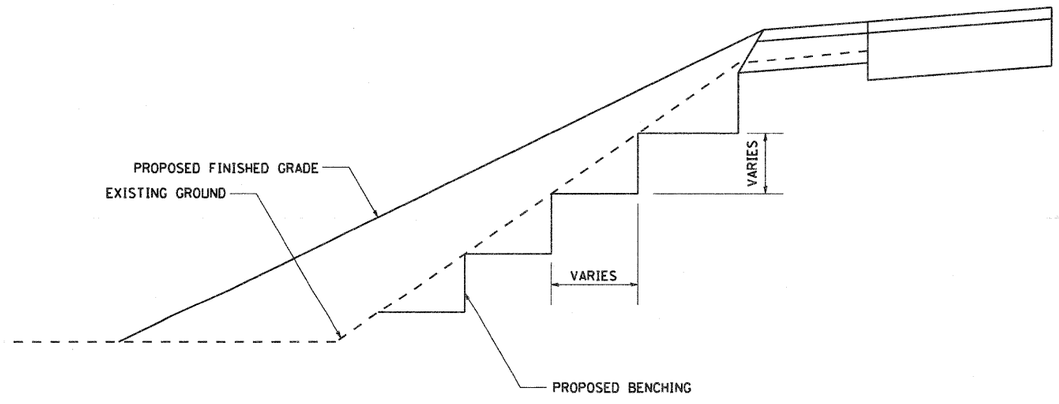
All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 3-11-09

ROAD CLOSED TO OVERSIZED LOADS 40.4

TYPICAL BENCHING ON EXISTING EMBANKMENT

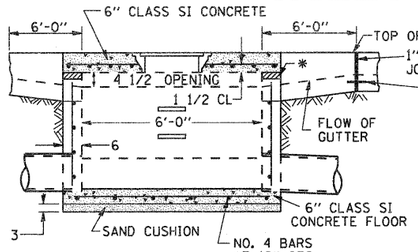


REVISED - 2-22-06	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		742	34R	WINNEBAGO	491	336
REVISED -				CONTRACT NO. 64515		
REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 1/17/2012

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

INLET SPECIAL NO. 3



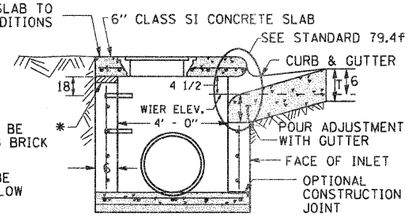
FRONT VIEW

STEPS AT 12 TO 16 CTS.

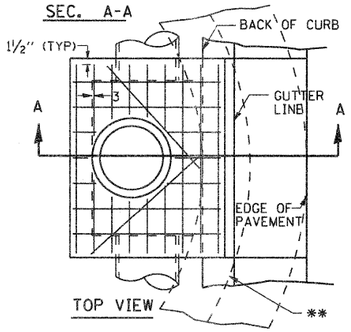
* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6" SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



SEC. A-A



TOP VIEW

** WHEN INLET IS CONSTRUCTED IN RETURN, THE TOP OF SLAB SHALL CONFORM TO THE RADIUS OF THE RETURN.

NOTES

STEPS SHALL BE OMITTED WHEN DEPTH OF INLET IS LESS THAN 5 FOOT

THE INLET SHALL BE CAST IN PLACE OR PRECAST.

EXCEPT AS NOTED HEREON INLET SPECIAL NO. 3 SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

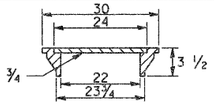
THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 3 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED).

THE CURB AND GUTTER WILL BE PAID FOR SEPARATELY AND WILL BE MEASURED THROUGH THE INLET.

THE CURB AND GUTTER ADJACENT TO AND 6 FOOT ON EITHER SIDE OF THE INLET SHALL BE CONSTRUCTED AS SHOWN WITH NO ADDITIONAL COMPENSATION FOR THE TRANSITION.

ALL PIPE UNDERDRAIN CONNECTIONS WHEN SPECIFIED SHALL BE DONE IN ACCORDANCE WITH ART. 601 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER (FOOT) FOR PIPE UNDERDRAINS (SPECIAL) OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

LIGHT WEIGHT MANHOLE CASTING

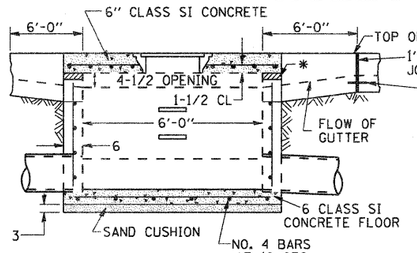


TOTAL WEIGHT 160 LBS.

REVISED - 10-3-11

INLET SPECIAL NO. 3 **79.4**

INLET SPECIAL NO. 5



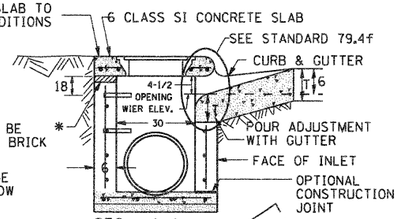
FRONT VIEW

STEPS AT 12 TO 16 CTS.

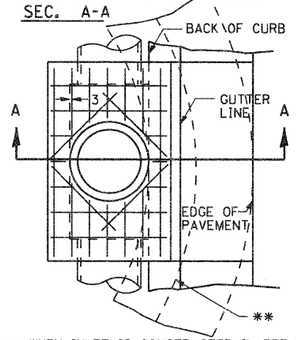
* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6 SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



SEC. A-A



TOP VIEW

** WHEN INLET IS CONSTRUCTED IN RETURN, THE TOP OF SLAB SHALL CONFORM TO THE RADIUS OF THE RETURN.

NOTES

STEPS SHALL BE OMITTED WHEN DEPTH OF INLET IS LESS THAN 5 FOOT

THE INLET SHALL BE CAST IN PLACE OR PRECAST.

EXCEPT AS NOTED HEREON INLET SPECIAL NO. 5 SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

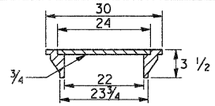
THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 5 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED).

THE CURB AND GUTTER WILL BE PAID FOR SEPARATELY AND WILL BE MEASURED THROUGH THE INLET.

THE CURB AND GUTTER ADJACENT TO AND 6 FOOT ON EITHER SIDE OF THE INLET SHALL BE CONSTRUCTED AS SHOWN WITH NO ADDITIONAL COMPENSATION FOR THE TRANSITION.

ALL PIPE UNDERDRAIN CONNECTIONS WHEN SPECIFIED SHALL BE DONE IN ACCORDANCE WITH ART. 601 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER (FOOT) FOR PIPE UNDERDRAINS (SPECIAL) OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

LIGHT WEIGHT MANHOLE CASTING

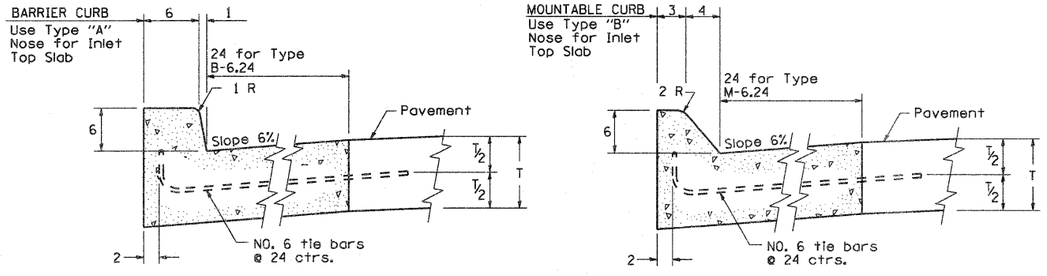


TOTAL WEIGHT 160 LBS.

REVISED - 10-4-11

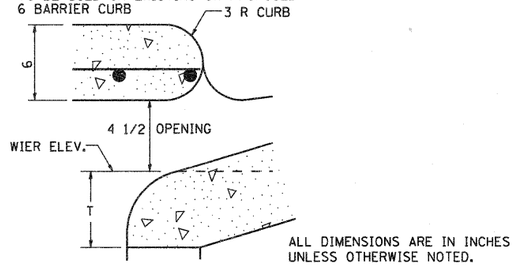
INLET SPECIAL NO. 5 **79.4b**

NOSE TYPE FOR INLET TOP SLAB



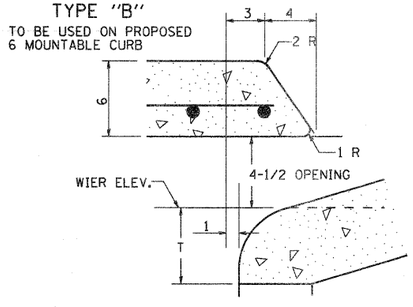
TYPE "A"

TO BE USED ON EXISTING OR PROPOSED 6 BARRIER CURB



TYPE "B"

TO BE USED ON PROPOSED 6 MOUNTABLE CURB

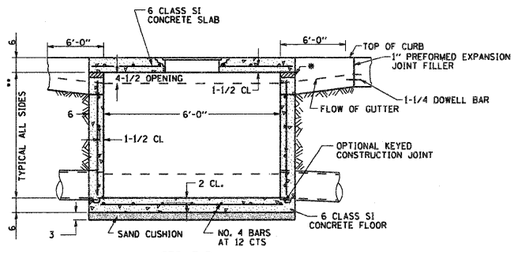


ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

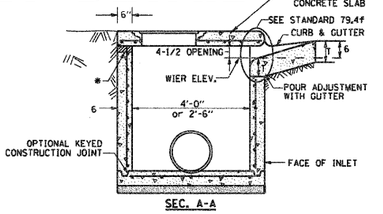
REVISED - 10-5-11

NOSE TYPE FOR INLET TOP SLAB **79.4f**

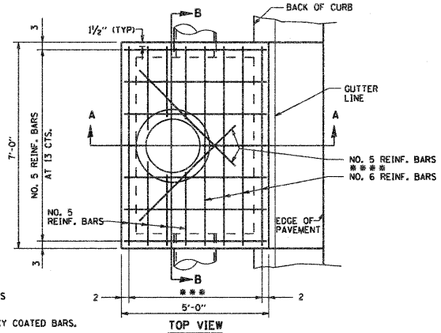
INLET SPECIAL NO. 3, 4, 5, 6 REINFORCEMENT DETAIL



SEC. B-B



SEC. A-A



TOP VIEW

* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6 SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

** 4'-0" TO 8'-0" - NO. 5 REINF. BARS AT 12 CTS. E.W.
8'-0" TO 13'-0" - NO. 5 REINF. BARS AT 10 CTS. E.W.
13'-0" TO 15'-0" - NO. 5 REINF. BARS AT 8 CTS. E.W.

*** 7 SPA. AT 8" INLET SPECIAL * 3, 4
5 SPA AT 7-5/8" INLET SPECIAL * 5, 6
2 REBARS FOR INLET SPECIAL 3 & 4 @ 65"

**** 4 REBARS FOR INELT SPECIAL 5 & 6 @ 24"

NOTES

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

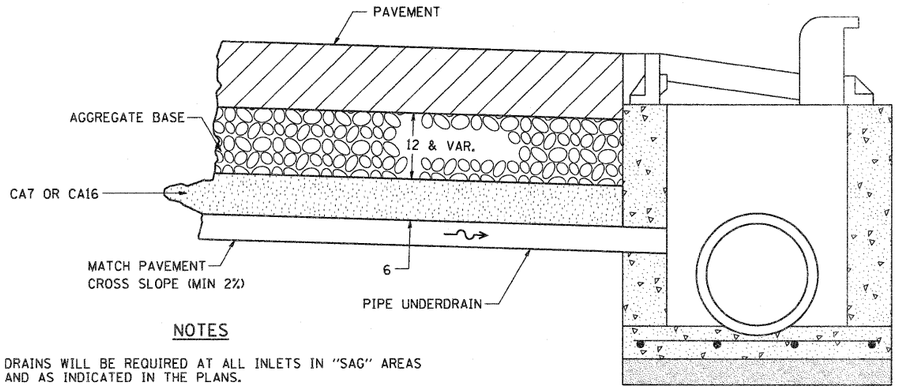
TOP SLAB REINFORCEMENT TO BE EPOXY COATED BARS.

REVISED - 10-5-11	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		742	34R	WINNEBAGO	491	337
REVISED -				CONTRACT NO. 64515		
REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 1/17/2012

INLET SPECIAL NO. 3, 4, 5, 6 REINFORCEMENT DETAIL **79.4g**

DRAIN FOR AGGREGATE BASES IN URBAN AREAS



NOTES

DRAINS WILL BE REQUIRED AT ALL INLETS IN "SAG" AREAS AND AS INDICATED IN THE PLANS.

THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS.

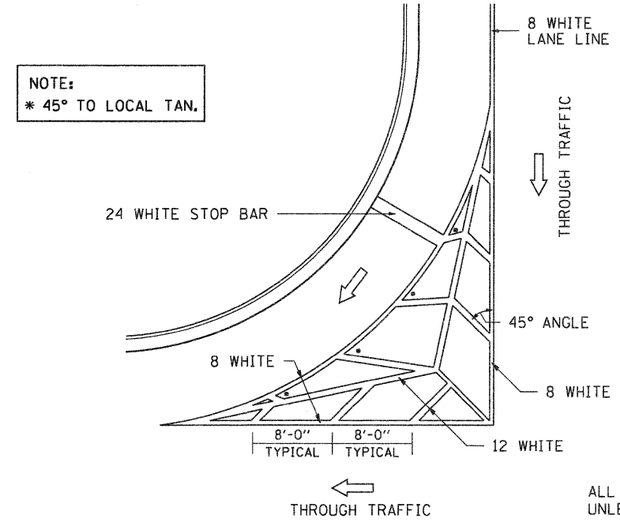
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE UNDERDRAINS OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-5-11

DRAIN FOR AGGREGATE BASES IN URBAN AREAS 88.4

TYPICAL MARKING FOR PAINTED ISLANDS

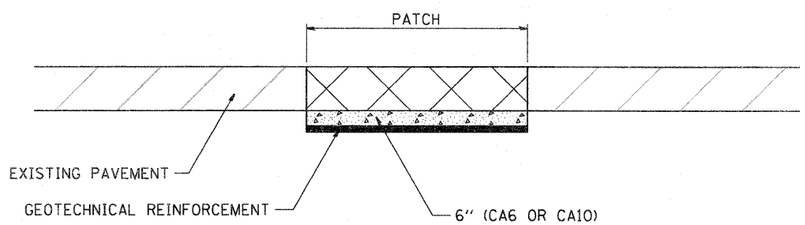


ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-5-11

TYPICAL MARKING FOR PAINTED ISLANDS 93.4

SUBGRADE REPLACEMENT



NOTES:

THE CA 6 OR CA 10 SHALL BE COMPACTED IN A MANNER APPROVED BY THE ENGINEER. IF THE MOISTURE CONTENT OF THE MATERIAL IS SUCH THAT COMPACTION SATISFACTORY TO THE ENGINEER CANNOT BE OBTAINED, SUFFICIENT WATER SHALL BE ADDED SO THAT SATISFACTORY COMPACTION CAN BE OBTAINED.

THE CA 6 OR CA 10 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU YD FOR GRANULAR SUBGRADE REPLACEMENT

THE GEOTECHNICAL REINFORCEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ YD FOR GEOTECHNICAL REINFORCEMENT

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

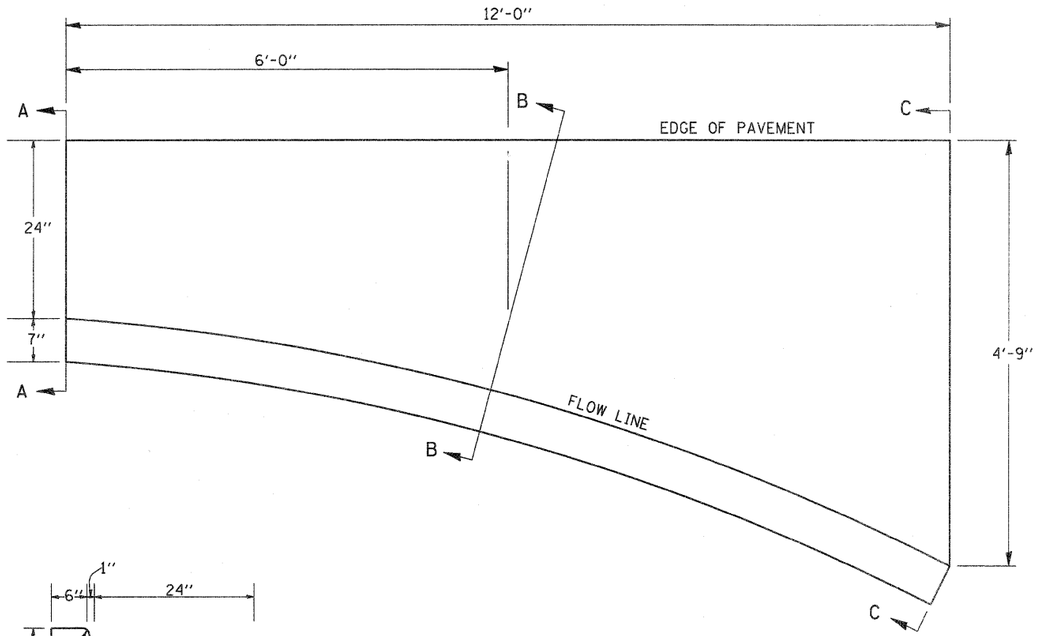
REVISED - 10-11-11

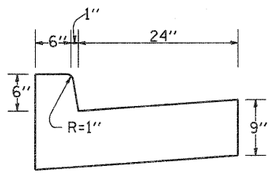
SUBGRADE REPLACEMENT 97.4

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		742	34R	WINNEBAGO	491	338
REVISED -				CONTRACT NO. 64515		
REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

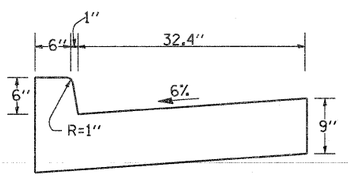
PLOT DATE = 1/17/2012

STANDARD INLET FOR CURB & GUTTER TYPE B-6.24

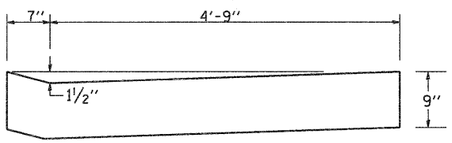




SECTION A-A



SECTION B-B



SECTION C-C

NOTES

Class SI Concrete shall be used throughout.

The Curb and Gutter inlet will be paid for at the contract unit price per cubic yard for Class SI Concrete (OUTLETS).

Joints shall be constructed in accordance with the requirementsof Article 606.07 of the Standard Specifications.

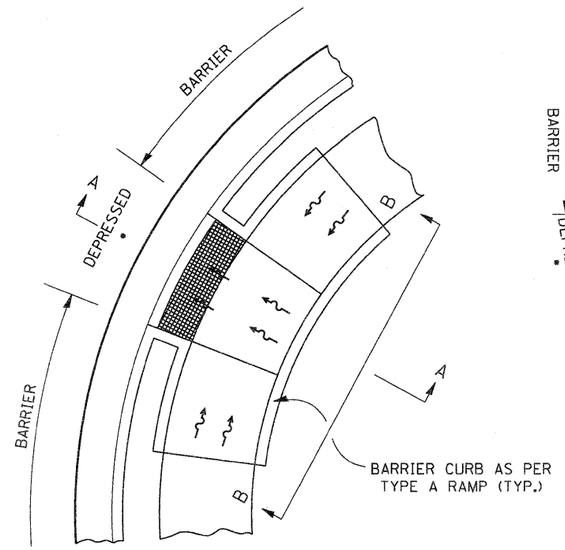
When curb and gutter is constructed adjacent to flexible pavement, a 1" expansion joint shall be installed at construction joints.

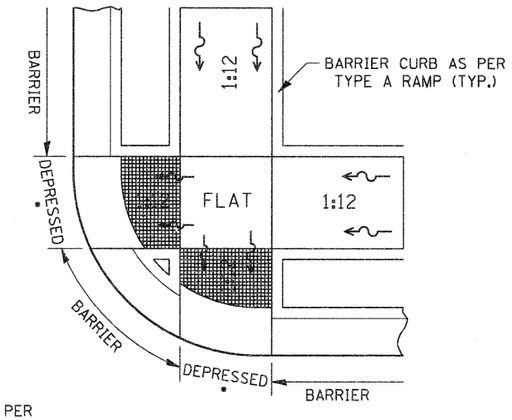
- QUANTITY -

Section A-A to C-C
(1.23 Cu. Yds.)
Class SI Concrete

REVISED - 10-10-06

DISABLED RAMP DETAIL FOR TYPE A

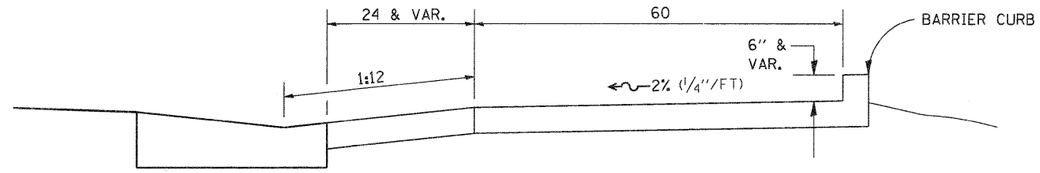




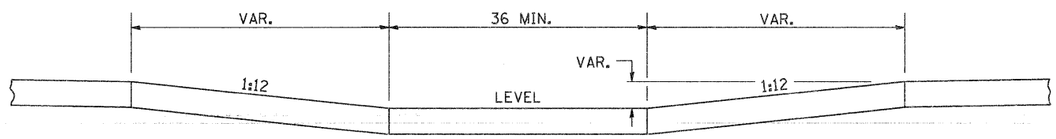
SEE STANDARD 424001 FOR THE DETAIL OF SIDE CURB & SEE PLANS FOR RAMP TYPE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

* SEE NOTE BELOW



SECTION A-A



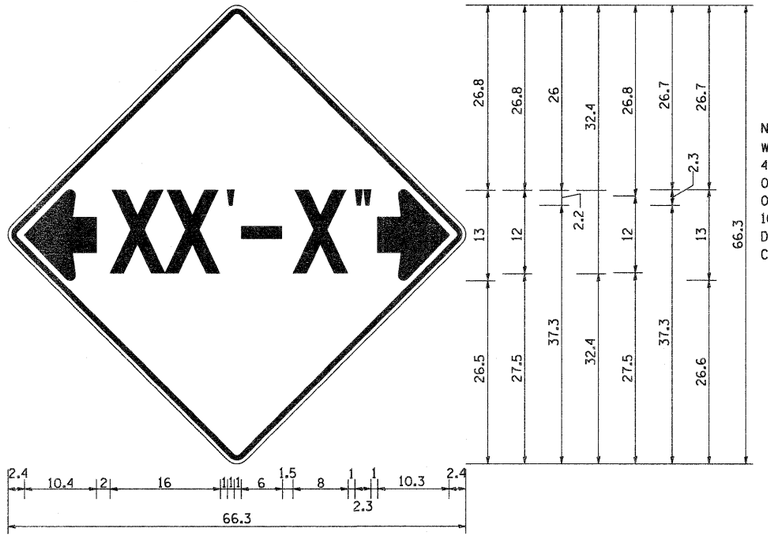
SECTION B-B

NOTES : THIS DETAIL TO BE USED IN CONJUNCTION WITH STATE STANDARD 424001.
THE MAXIMUM ALLOWABLE CROSS SLOPE FOR SIDEWALK IS 2% (¼"/FT).
THE MAXIMUM ALLOWABLE SIDEWALK GRADE IS 8% (1/12"/FT). IF SPACE LIMITATIONS PROHIBIT THE USE OF THE 1:12 SLOPE, THEN SLOPES BETWEEN 1:10 ARE 1:12 ARE PERMITTED FOR A MAXIMUM RISE OF 6. SLOPES 1:8 AND 1:10 ARE ALLOWED FOR A MAXIMUM RISE OF 3. SLOPES STEEPER THAN 1:8 ARE NOT PERMITTED.
THE DEPRESSED CURB IS NOT STANDARD. THE RISE IS ½ INSTEAD OF 1½.

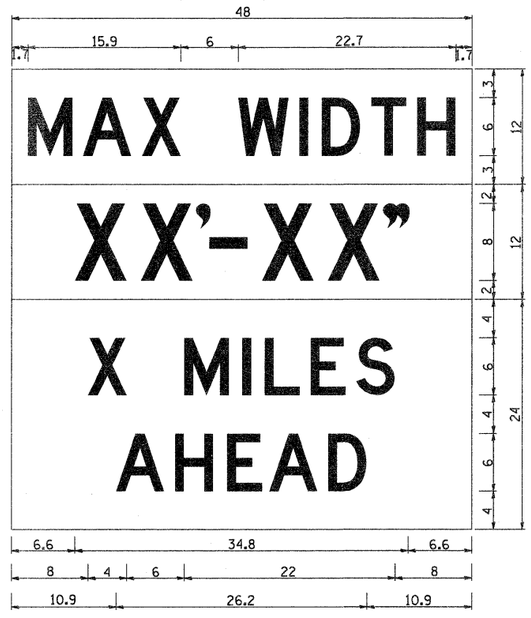
REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		742	34R	WINNEBAGO	491	339
REVISED -				CONTRACT NO. 64515		
REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 1/17/2012

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



NOTES
W12-2 - Horizontal Clearance Sign 48.0" across sides, 1.9" Radius, 0.8" Border, 0.5" Indent, Black on Orange; Standard Arrow Custom 10.4" X 8.1" 180° Black 11 Inch D Series Lettering; Standard Arrow Custom 10.4" X 8.1" 0°



W12-I103 (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;

All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 5-15-09
REVISED -
REVISED -
REVISED -

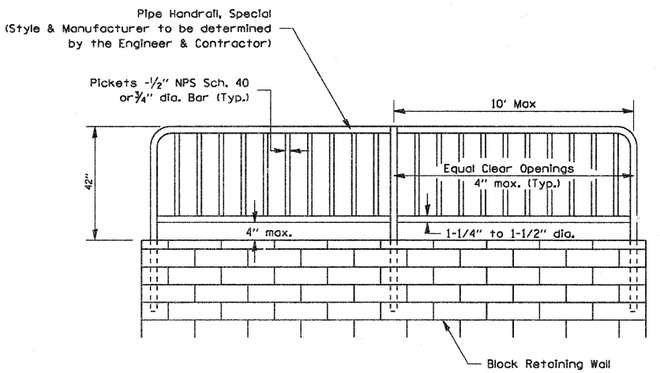
REGION 2 / DISTRICT 2 STANDARD

SCALE: 50.0000 ' / IN. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	339a
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 1/17/2012

PIPE HANDRAIL, SPECIAL – FOR RETAINING WALLS



PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL
(See details for installation options)

Notes:

Gripping surfaces shall be uninterrupted by construction elements, or obstructions.

Ends of handrail shall be rounded.

Handrail shall not rotate within their fittings.

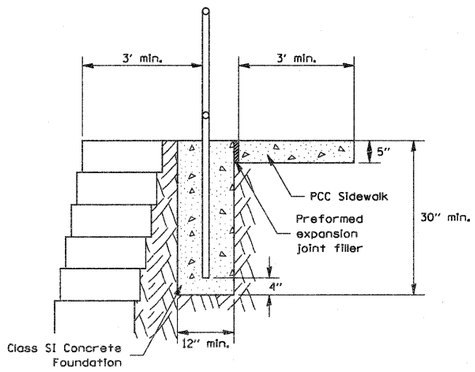
Handrail shall conform to Section 509 with the exception that all pipe and connections shall be welded galvanized or aluminum according to Article 1006.30, or 1006.34.

The diameter of the gripping surface of the handrail shall be 1-1/4" to 1-1/2"

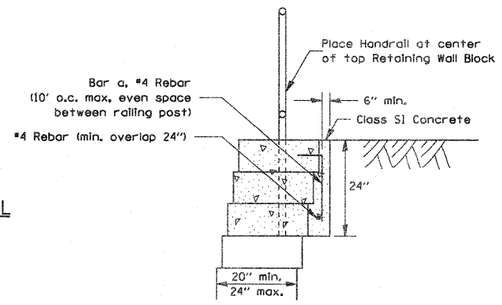
Handrail required when wallhieght difference is 4' or greater

Drilling of blocks will be necessary for reinforcement placement.

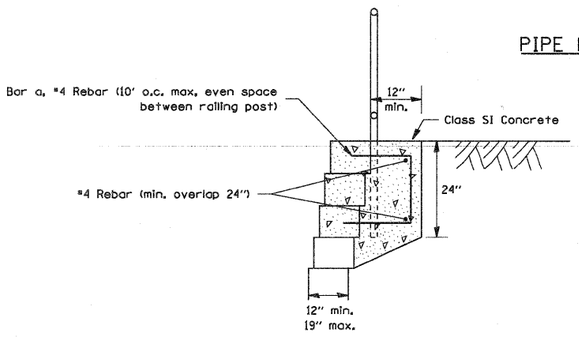
This work shall consist of furnishing and erecting Handrails as listed above and according to this detail. This work shall be paid for at the contract UNIT price per FOOT for PIPE HANDRAIL, SPECIAL.

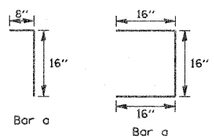


PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL
(Option 1)



PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL
(Option 2-Block depth greater than 20")

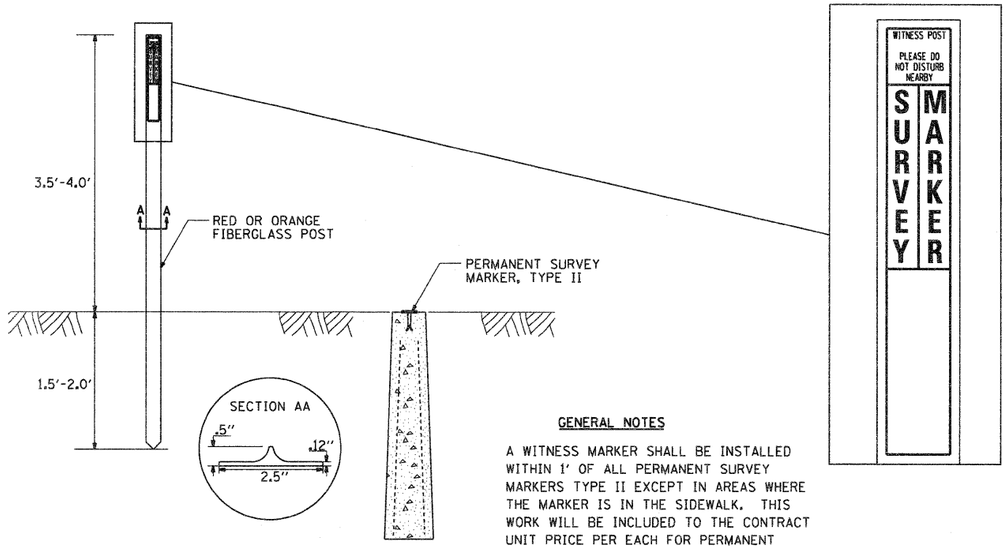




PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL
(Option 3 - Block depth 12" to 19")

REVISED - 2-01-10

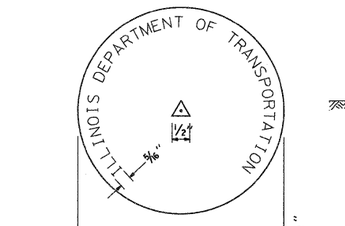
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



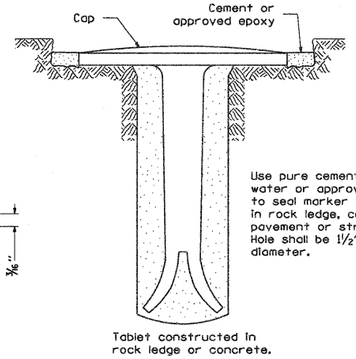
GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

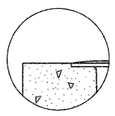
PERMANENT SURVEY MARKERS, TYPE II



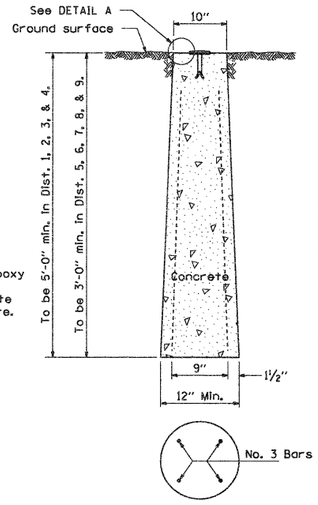
BRASS OR ALUMINUM TABLET



TYPE II



DETAIL A



TYPE II

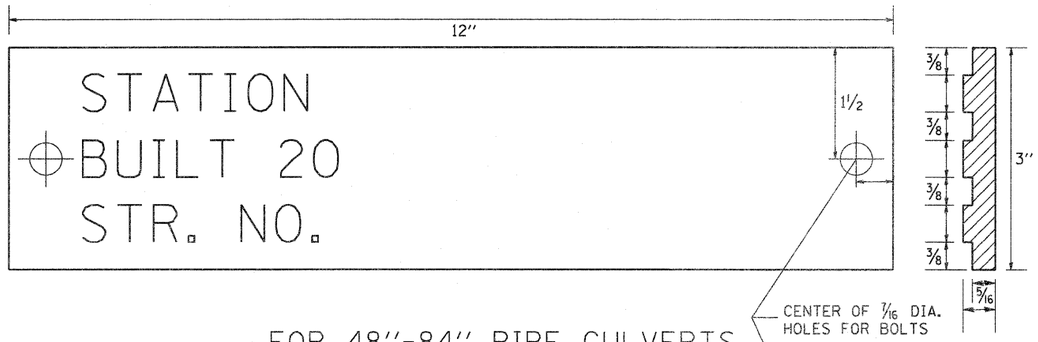
CAST-IN-PLACE MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

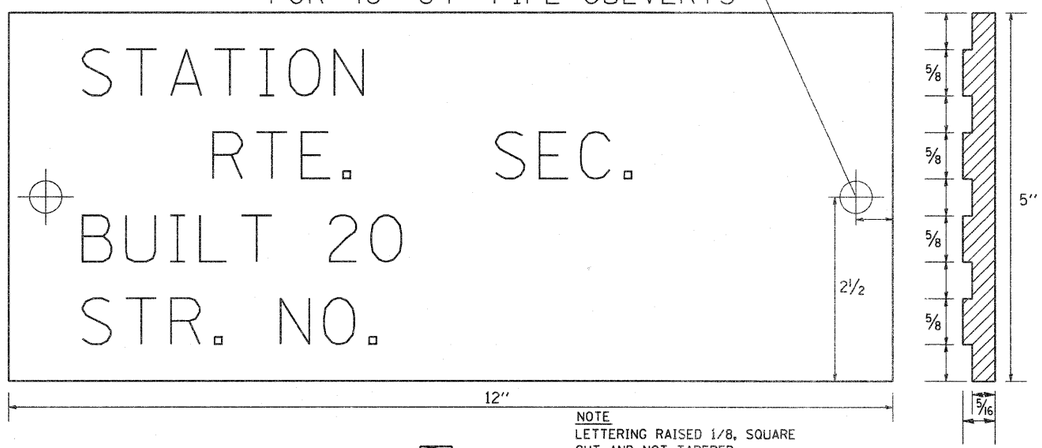
REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		742	34R	WINNEBAGO	491	340
REVISED -				CONTRACT NO. 64515		
REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NAME PLATE FOR CULVERTS

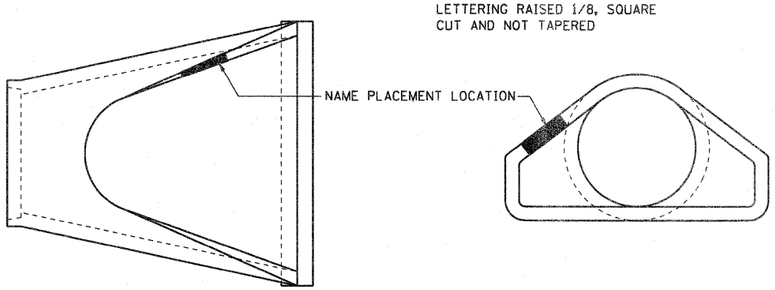
FOR 24''-42'' PIPE CULVERTS



FOR 48''-84'' PIPE CULVERTS



NOTE
LETTERING RAISED 1/8, SQUARE CUT AND NOT TAPERED



DESIGNERS NOTE

NAME PLATES SHALL BE FURNISHED & INSTALLED ACCORDING TO SECTION 515 OF THE STANDARD SPECIFICATIONS, EXCECT 2 BOLTS SHALL BE USE TO FASTEN THE PLATE TO THE END SECTION.

USE STANDARD 515001 FOR BRIDGES AND MULTI-CELL CULVERTS WITH SPANS OF 20' OR MORE MEASURED ALONG THE CENTERLINE AT THE HIGHWAY.

USE THIS DETAIL FOR ALL OTHER PIPE CULVERTS & BOX CULVERTS WITH STRUCTURE NUMBERS. INCLUDE THE INFORMATION TO FILL OUT THE NAME PLATE FOR EACH CULVERT.

IN BOTH CASES INCLUDE A PAY ITEM FOR NAME PLATES.

STATION	STRUCTURE NO.
243+31	101-1333

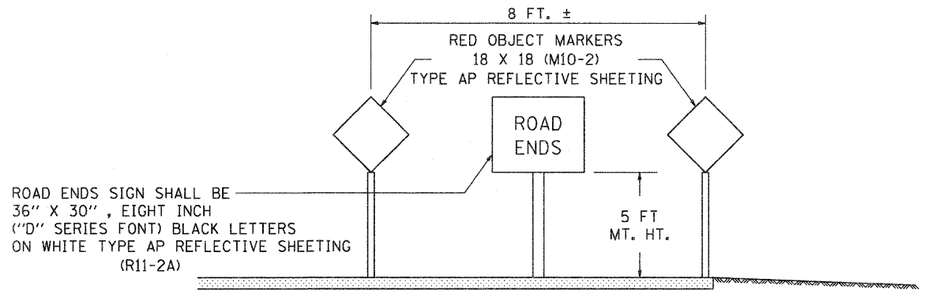
REVISED - 5-27-09

TERMINATION OF DEAD END ROADS

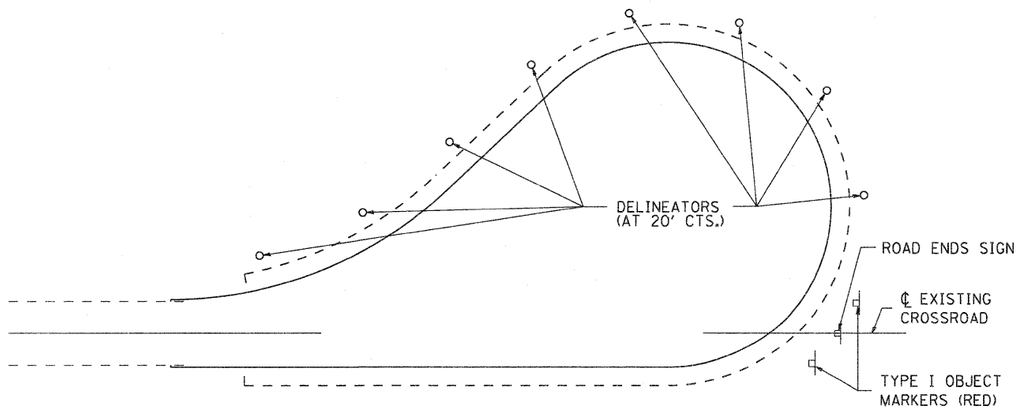
NOTES: A "NO OUTLET" (36"x36" YELLOW) SIGN SHALL BE ERECTED SLIGHTLY BEYOND THE LAST ROAD INTERSECTING THE ROAD WITH NO OUTLET. IF THIS INTERSECTION IS MORE THAN 1500 FT FROM TERMINATION POINT, OR IF SIGHT DISTANCE TO THE CLOSURE IS LESS THAN 500 FT , A ROAD ENDS 500 FT (WB-16) SIGN SHALL BE ERECTED 500 FT IN ADVANCE OF THE TERMINATION OF THE ROAD. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "TERMINATION OF DEAD END ROADS" WHICH PRICE SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL THE SIGNS AND DELINEATORS.

USE 4X6 WOOD POSTS INSTALLED IN ACCORDANCE WITH ARTICLE 730.0 OF STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. USE APPLICABLE PARTS OF STANDARD 720001 FOR SIGN MOUNTING.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



TERMINATION SIGNING



TRAFFIC CONTROL
TYPICAL CUL-DE-SAC

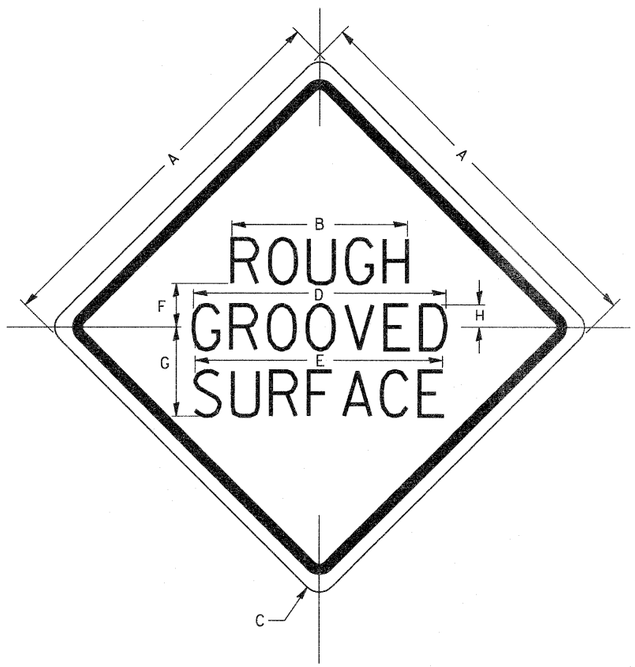
REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		742	34R	WINNEBAGO	491	341
REVISED -				CONTRACT NO. 64515		
REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 1/17/2012

ROUGH GROOVED SURFACE SIGN

ILLINOIS STANDARD W8-I107

SIGN PANEL TYPE 1



COLOR: LEGEND AND BORDER - BLACK NON-RELFLECTIVE
BACKGROUND - ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48x48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
48x48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES.

GENERAL NOTES

SIGN PANELS AND FACE MATERIALS SHALL BE ACCORDING TO SECTION 720 OF THE STANDARD SPECIFICATIONS

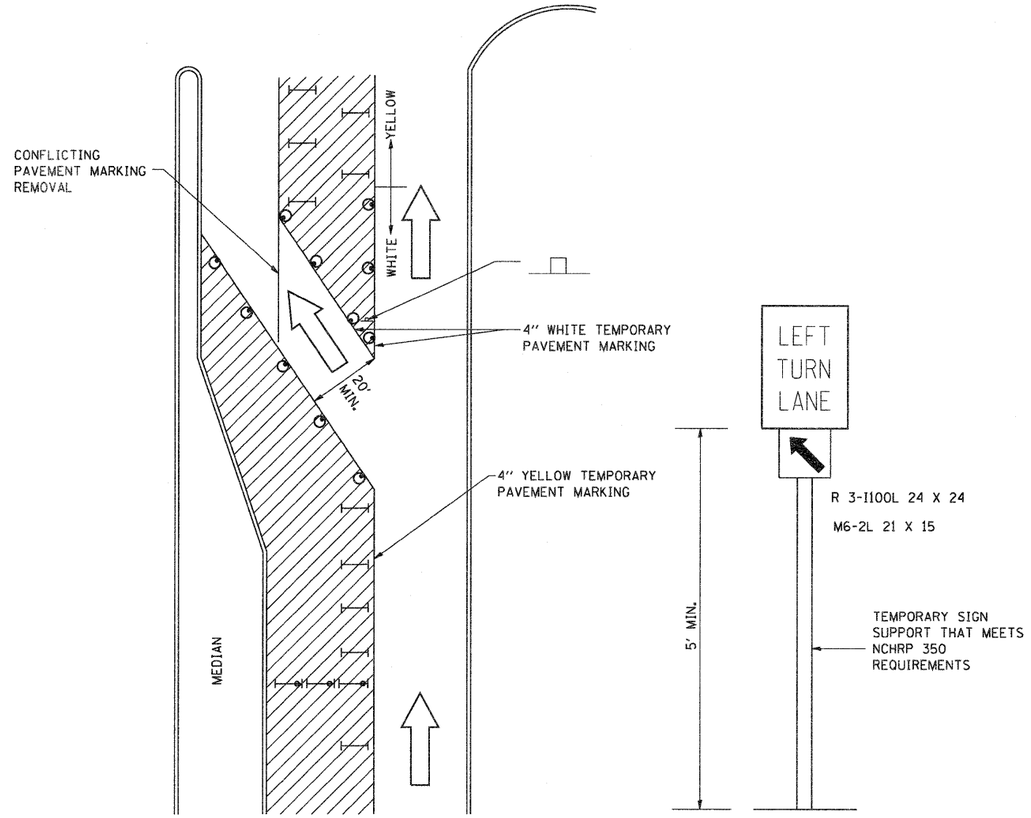
METAL POSTS SHALL BE IN ACCORDANCE WITH STD. 720011.

ALL MOUNTING HARDWARE SHALL BE ALUMINUM, STAINLESS STEEL, ZINC OR CADMIUM PLATED STEEL AND SHALL BE INCLUDED TO THE COST OF THE INSTALLATION.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-14-11

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



LEGEND

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

GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

TEMPORARY PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 X 24 AND M6-2R 21 X 15 SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

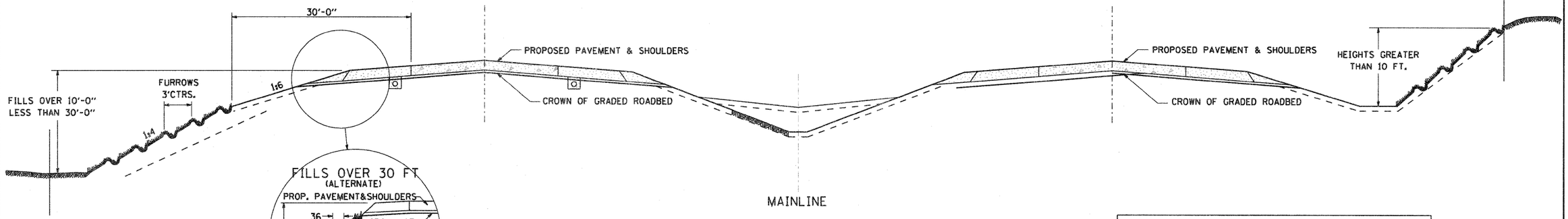
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED -		742	34R	WINNEBAGO	491 / 342
REVISED -				CONTRACT NO. 64515	
REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

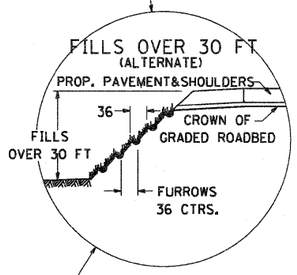
BLOCK DATE : 07/2003

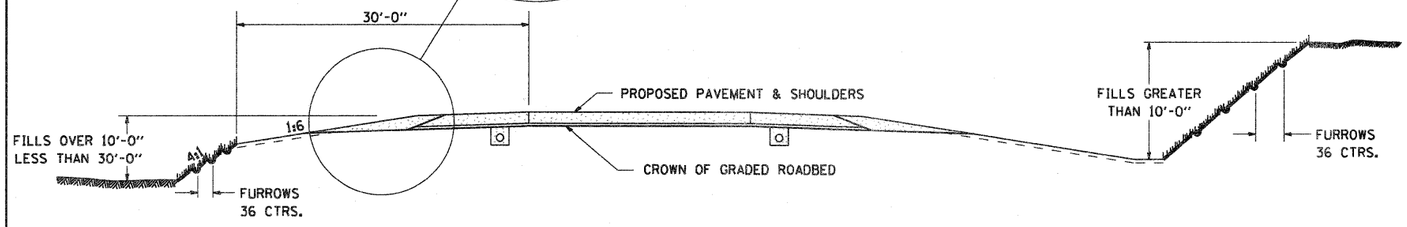
ROUGH GROOVED SURFACE SIGN 91.2 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) 94.2

TYPICAL FURROWED ROADWAY SLOPES

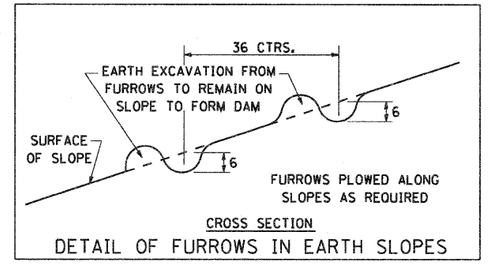


MAINLINE

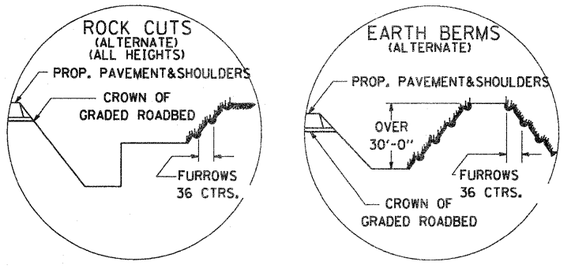


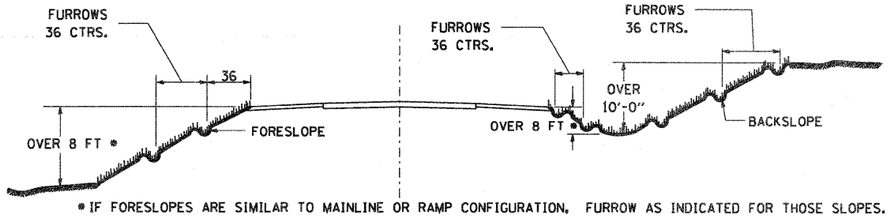


RAMPS



DETAIL OF FURROWS IN EARTH SLOPES





* IF FORESLOPES ARE SIMILAR TO MAINLINE OR RAMP CONFIGURATION, FURROW AS INDICATED FOR THOSE SLOPES.

CROSSROAD GRADE SEPERATIONS

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

GENERAL NOTES

IN GENERAL, THE ENTIRE EARTH SURFACE WITHIN THE RIGHT-OF-WAY SHALL BE SEEDED AND MULCHED.

NO AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO THE GRADED ROADBED.

FORESLOPES AND/OR BACKSLOPES 10 FT. OR LESS IN HEIGHT WILL NOT REQUIRE FURROWING UNLESS OTHERWISE NOTED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

FORESLOPES AND/OR BACKSLOPES OVER 10 FT. IN HEIGHT SHALL BE FURROWED. THE OPERATION SHALL INCLUDE FINISHING THE SLOPES TO FINAL LINE AND GRADE, AS SHOWN ON THE CROSS SECTIONS BEFORE FURROWING IS DONE. FURROWS SHALL BE PLOWED ALONG A LEVEL LINE CONFORMING TO THE CONTOURS OF THE SLOPE. THE COST OF FURROWING SHALL BE CONSIDERED INCLUDED IN THE PROJECT COST AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SEQUENCE AND OPERATION FOR SEEDING, MULCHING AND FURROWING OF ROADWAY SLOPES:

1. SPREAD FERTILIZER.
2. PERFORM THE OPERATION OF GROUND PREPARATION.
3. PLOW FURROWS.
4. PERFORM THE OPERATION OF SEEDING. THE SEED SHALL BE SOWN ON THE SURFACE OF THE PREPARED GROUND AFTER FURROWING.
5. THE OPERATION OF COVERING THE SEED, BY HARROWING OR OTHER MEANS, SHALL BE PERFORMED ONLY IF SO DIRECTED BY THE ENGINEER AND SHALL BE INCLUDED TO THE ITEM OF SEEDING.
6. SECTION 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS NOTED HEREIN.

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		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/17/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

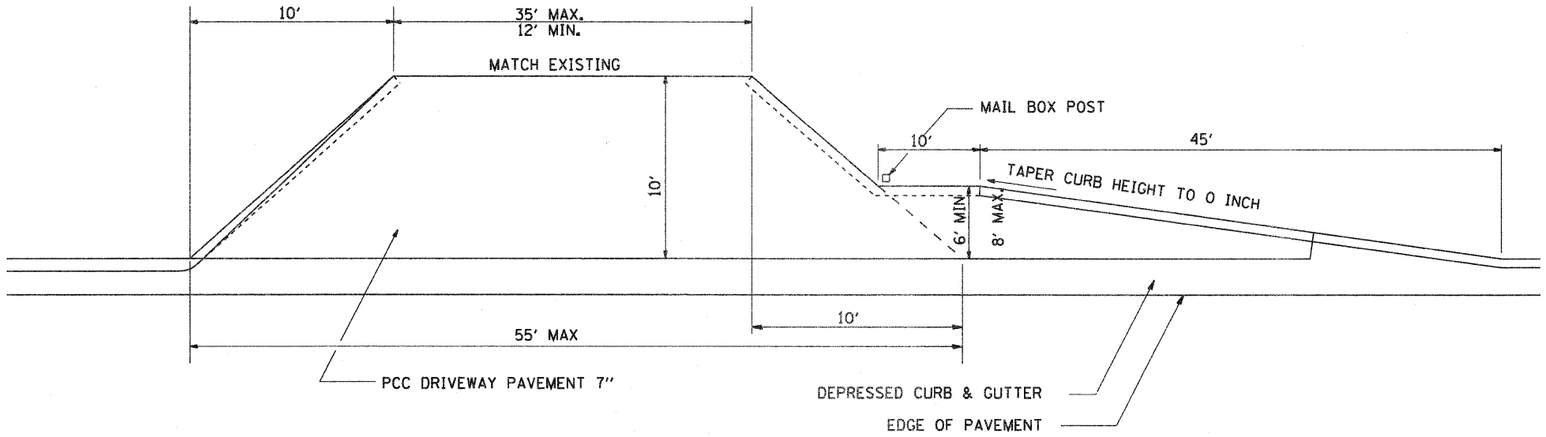
REGION 2 / DISTRICT 2 STANDARD

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

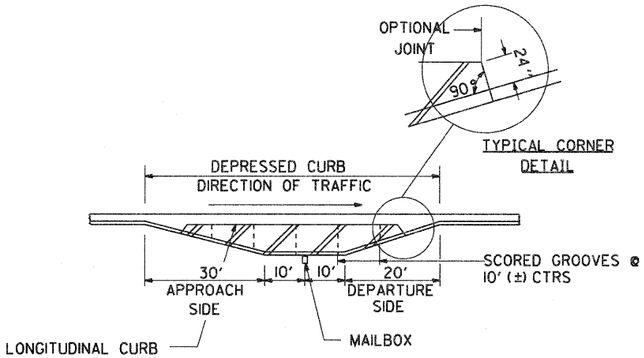
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	343
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL FURROWED ROADWAY SLOPES 1.1

MAILBOX TURNOUT IN CURB AND GUTTER SECTION

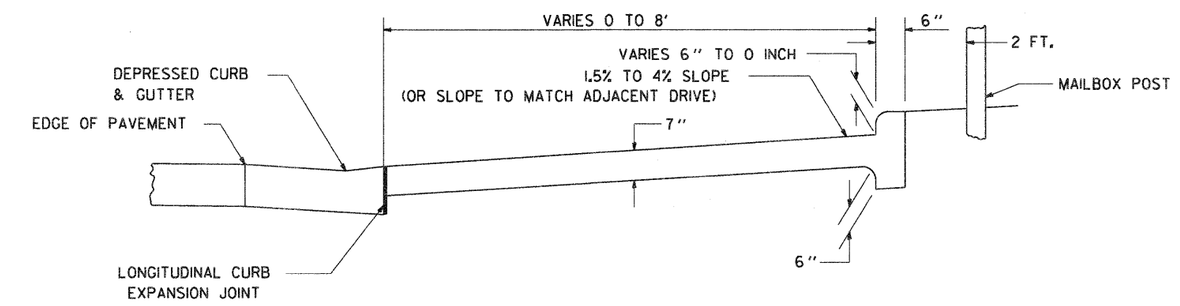


COMMERCIAL ENTRANCE WITH MAIL BOX TURNOUT



MAIL BOX TURNOUT

PRIVATE ENTRANCE WITH MAIL BOX TURNOUT



TYPICAL CROSS SECTION

GENERAL NOTES

1.) THE LONGITUDINAL CURB EXPANSION JOINT SHALL CONFORM TO SECTION 1051 OF THE STANDARD SPECIFICATIONS.
2.) THE MAILBOX TURNOUT CROSS SLOPE WILL BE AS SHOWN ABOVE, AS SHOWN ON THE STATION CROSS SECTIONS OR AS DIRECTED BY THE ENGINEER.
3.) THE MAILBOX TURNOUT SHALL BE CONSTRUCTED WITH SCORED GROOVES, AS SPECIFIED IN ARTICLE 423.06 OF THE STANDARD SPECIFICATIONS, AT APPROXIMATELY 10 FT. CENTERS. IN THE EVENT THERE IS EXISTING OR PROPOSED SIDEWALK PRESENT, THESE SCORED GROOVES SHALL BE PLACED IN LINE WITH EVERY OTHER JOINT IN THE ADJACENT SIDEWALK.
4.) THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR P.C. CONCRETE DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED IN THE PLANS WHICH PRICE SHALL INCLUDE THE LONGITUDINAL CURB EXPANSION JOINT, MONOLITHIC CURB AS SHOWN, SCORED GROOVES, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5) SEE THE DISTRICT STANDARD 25.1 FOR ADDTIONAL DETAILS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

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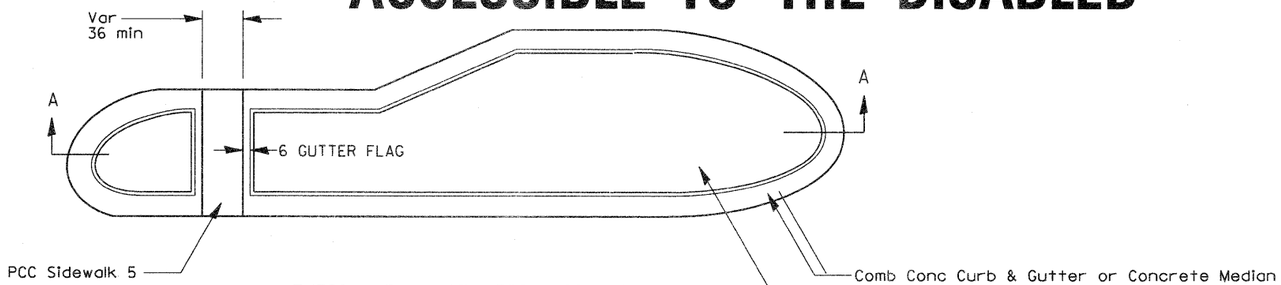
	PLOT DATE = 1/17/2012	CHECKED -	REVISED -		
		DATE -	REVISED -		

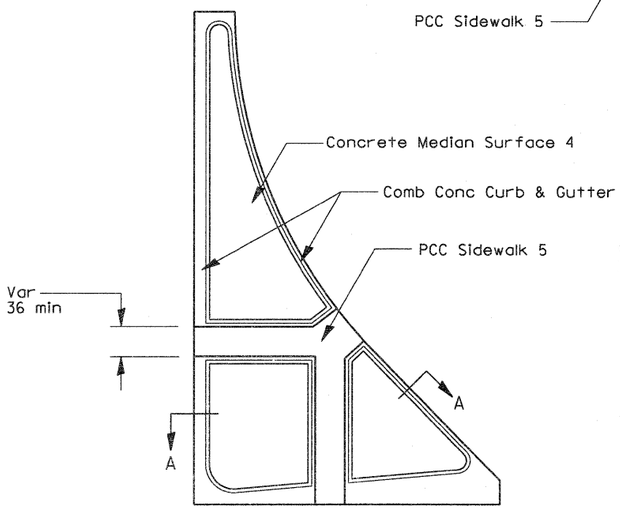
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	344
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MAILBOX TURNOUT IN CURB AND GUTTER SECTION 3.1

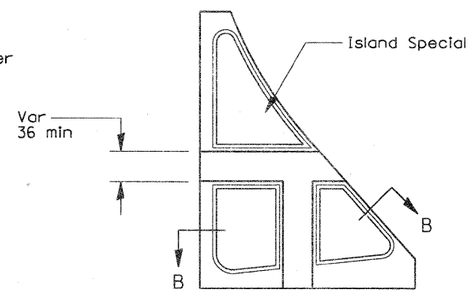
PC CONCRETE ISLANDS AND MEDIANS ACCESSIBLE TO THE DISABLED



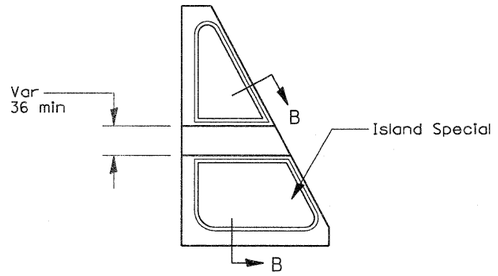
TYPICAL PLAN OF MEDIAN ISLAND



LARGE ISLAND
(Free Flow Design)

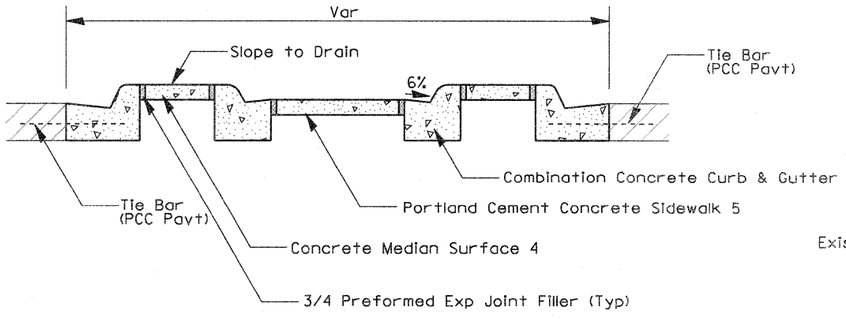


INTERMEDIATE ISLAND
(For Right Turn Lane Design)

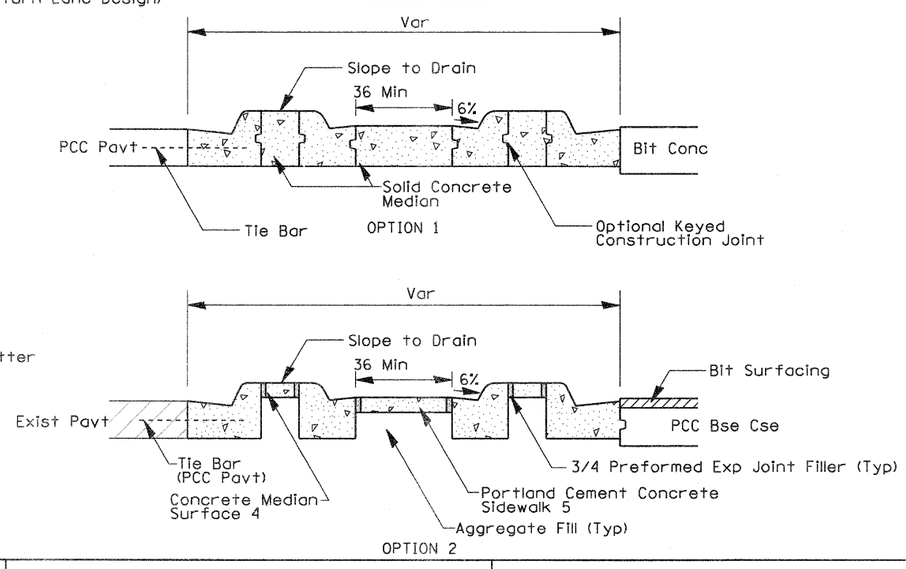


SMALL ISLAND
(For Typical Design)

SECTION A-A



SECTION B-B



General Notes:
See Standard 606301 and plan sheets for station & offsets, radii, dimensions, and details not shown.

The sidewalk should drain to the low side of the island. If necessary the sidewalk shall be sloped to drain at a maximum 2% grade.

See the plan general notes for the type of curb & gutter to be used on islands.

Curb & gutter adjacent to the walkway in the interior of the island shall have 6 gutter flags.

The sidewalk should not be closer than 36 from the corner of the island.

Keyed longitudinal construction joints shall be constructed without tie bars.

Medians and large islands shall consist of PCC Sidewalk 5, Concrete Median Surface 4, and Combination Concrete Curb & Gutter, Type M or B of the size specified. Median island can also be solid concrete medians.

Locations, layouts, and widths of the flush sidewalk area, shall be determined by the designer and shown on the plans.

The intermediate and small islands will be measured for payment from E.O.P. to E.O.P. using either option 1 or option 2, as directed by the Engineer, and will be paid for at the contract unit price per SQ FT for ISLAND (SPECIAL), which shall include the combination curb & gutter, sidewalk, aggregate fill, concrete median surface, and solid concrete median.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

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		DATE -	REVISED -

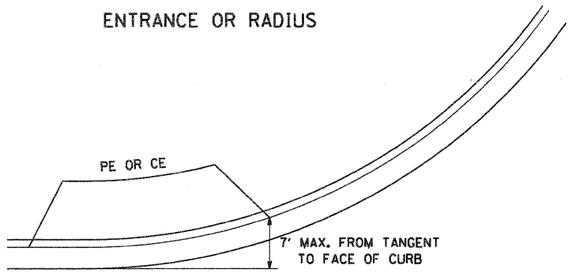
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

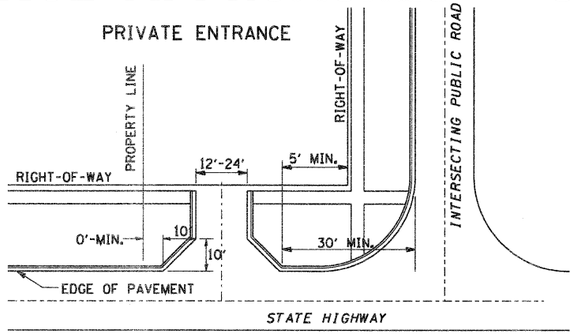
REGION 2 / DISTRICT 2 STANDARD

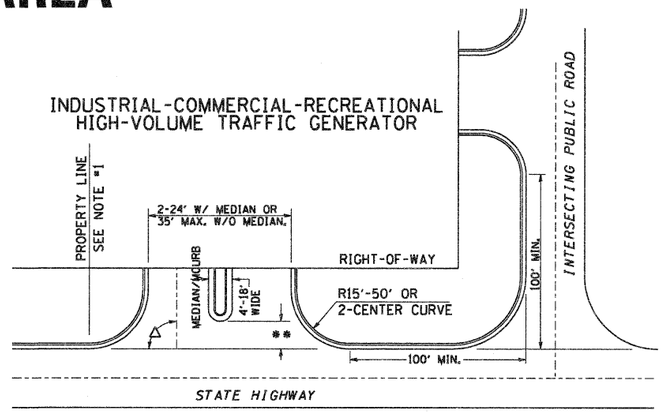
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	345
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ENTRANCE APPROACHES – URBAN AREA



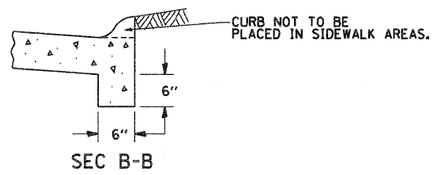




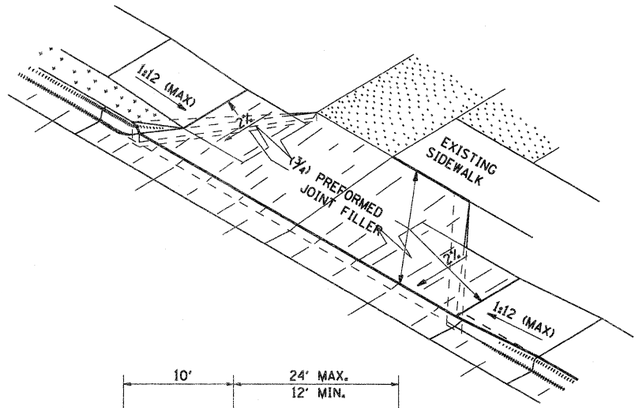
A MINIMUM OF 440 FEET SHALL BE MAINTAINED BETWEEN CENTER LINES OF ADJACENT DRIVEWAYS.
△ 90° DESIRABLE, 45° MIN. ANGLE PERMITTED ONLY FOR ONE-WAY DRIVEWAYS.
60° MIN. ANGLE FOR TWO-WAY DRIVEWAYS.

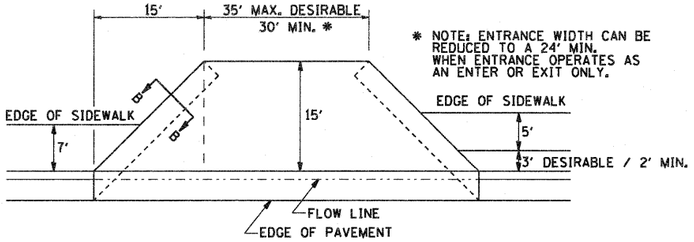
NOTE: *1 ENCROACHMENT ON THE ADJACENT PROPERTY OWNER LAND REQUIRES HIS OR HER WRITTEN APPROVAL.

** 4'-10' IF HIGHWAY CURBED.
AT EDGE OF SHOULDER IF HIGHWAY UNCURBED.

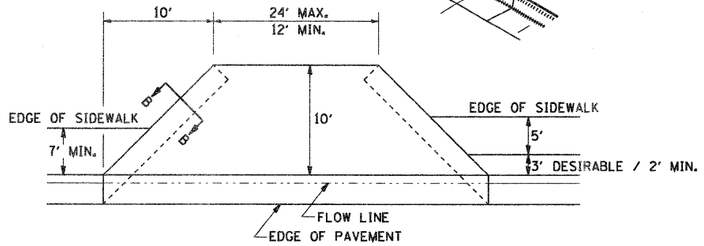


SEC B-B



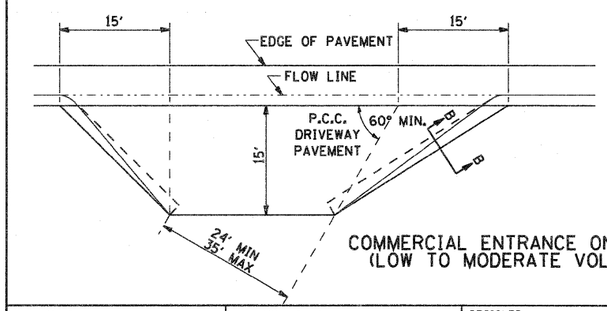


LOW TO MODERATE VOLUME COMMERCIAL ENTRANCE

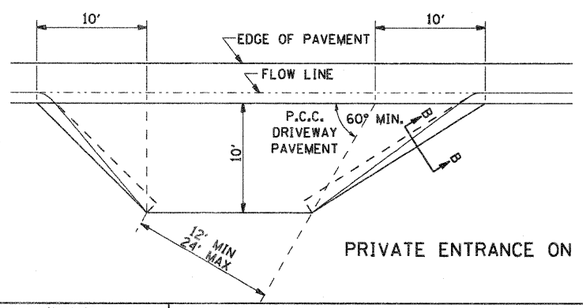


PRIVATE ENTRANCE

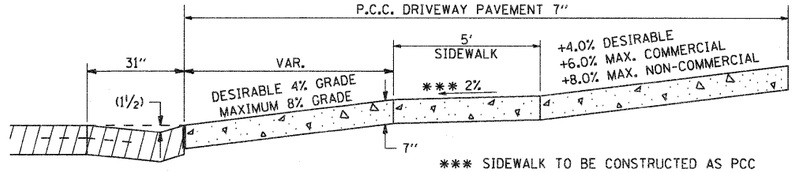
NOTE: CURVED ENTRANCE RETURNS MAY BE USED FOR LOW TO MODERATE VOLUME LOCATIONS WITH REVIEW ON A CASE-BY-CASE BASIS.



COMMERCIAL ENTRANCE ON SKEW
(LOW TO MODERATE VOLUME)

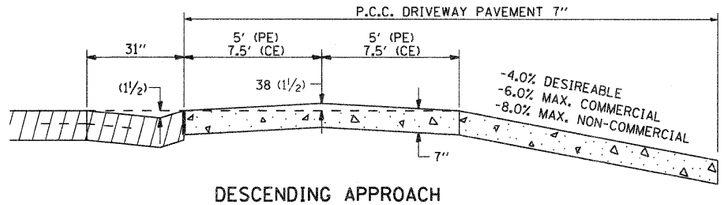


PRIVATE ENTRANCE ON SKEW

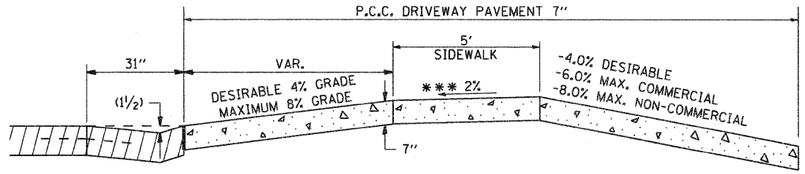


ASCENDING APPROACH

*** SIDEWALK TO BE CONSTRUCTED AS PCC DRIVEWAY PAVEMENT 7" THROUGH THE WIDTH OF THE DRIVEWAY. SEE DIST. STD. 35.4



DESCENDING APPROACH
(NO SIDEWALK)



DESCENDING APPROACH
(WITH SIDEWALK)

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	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -
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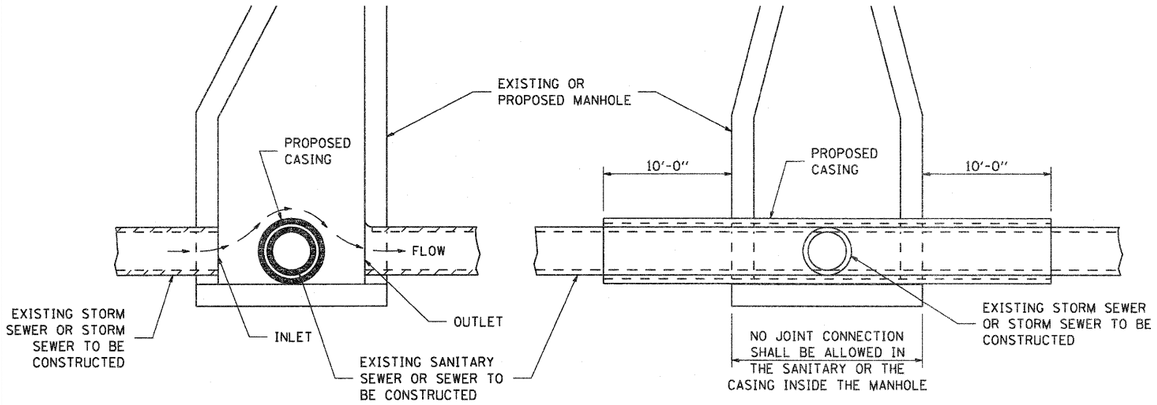
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	346
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SEWER AND WATER MAIN CROSSINGS



ELEVATION - ECCENTRIC

ELEVATION - CONCENTRIC

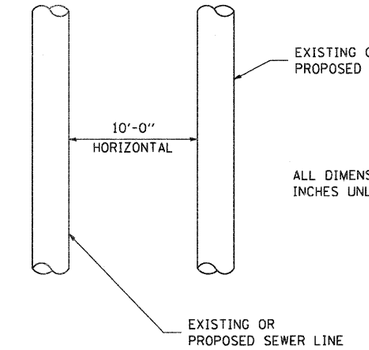
CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

AT GRADE CROSSING OF SANITARY AND STORM SEWER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

THIS DETAIL IS FOR UNKNOWN UTILITIES UNLESS QUANTITIES ARE INCLUDED IN THE PLANS THE EXTRA WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.

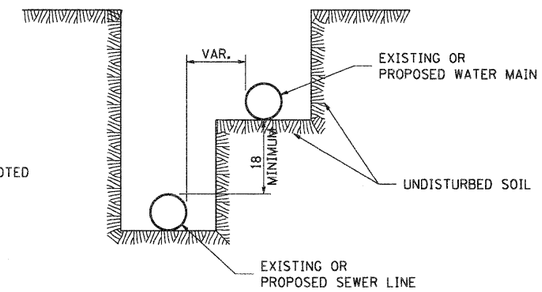
WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10'-0" OR MORE FROM EXISTING WATER (OR SEWER) NO SPECIAL CONSTRUCTION REQUIRED.



PLAN VIEW

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

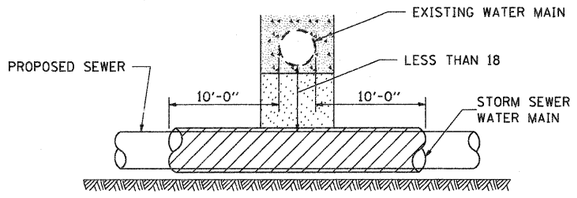
WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10'-0" FROM EXISTING WATER (OR SEWER) DETAILS BELOW SHALL APPLY.



WATER AND SEWER HORIZONTAL SEPARATION REQUIREMENTS

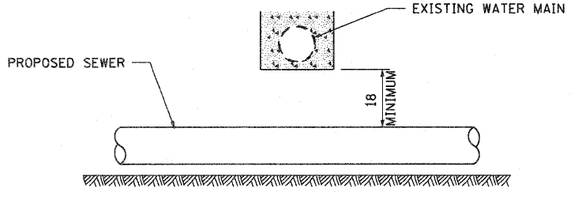
POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH



PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY

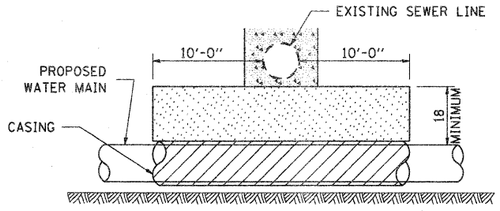


ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN

PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT

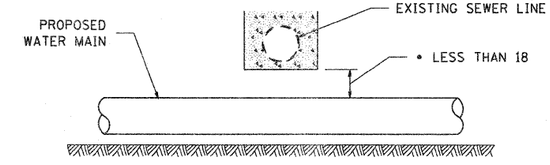
PLACE TRENCH BACKFILL FOR 10 FT. ON EITHER SIDE OF SEWER LINE



CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY

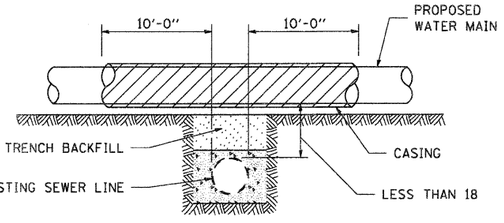


• NOT ALLOWED
MUST MAINTAIN 18 VERTICAL SEPARATION

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE

POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN OR WATER MAIN CASING AND SEWER

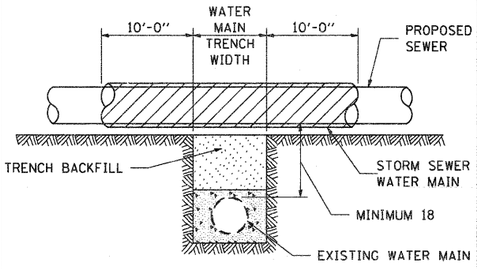


CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE

PROVIDE ADEQUATE SUPPORT FOR SEWER TO PREVENT SETTLING AND BREAKING THE WATER MAIN.



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

EXISTING WATER MAIN BELOW PROPOSED SEWER LINE WITH MINIMUM 18 VERTICAL SEPARATION

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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	347
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

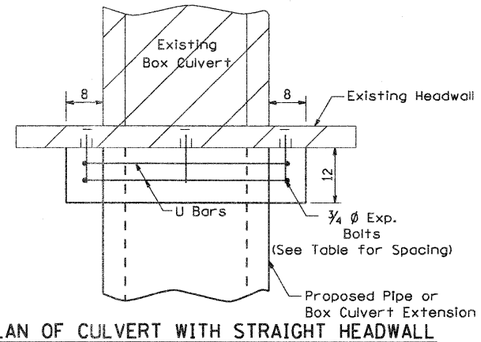
CONCRETE COLLARS FOR PIPE OR BOX CULVERT EXTENSIONS

Bill of Materials

	DIMENSIONS		h Bar	U Bar		EXPANSION BOLTS	CONCRETE COLLAR	REINF. BARS
STATION	X	Y	No.	No.	Length	No.	Cu. Yd	LBS
26018+46 (SW RAMP)	3'-4"	1'-11"	12	4	7'-2"	4	1.0	31.2
16+67 (SW RAMP)	6'-5"	2'-2.5"	20	4	11'-4"	12	2.3	50.2
• 29+56 SPRINGFIELD AVE	3'-4"	1'-11"	12	4	7'-2"	4	1.1	31.2
					Total			

All h Bars 18 Long

• COLLAR SIZE EQUAL TO COLLAR SIZE WITH 24" CLEAR HEIGHT OR SPAN



PLAN OF CULVERT WITH STRAIGHT HEADWALL

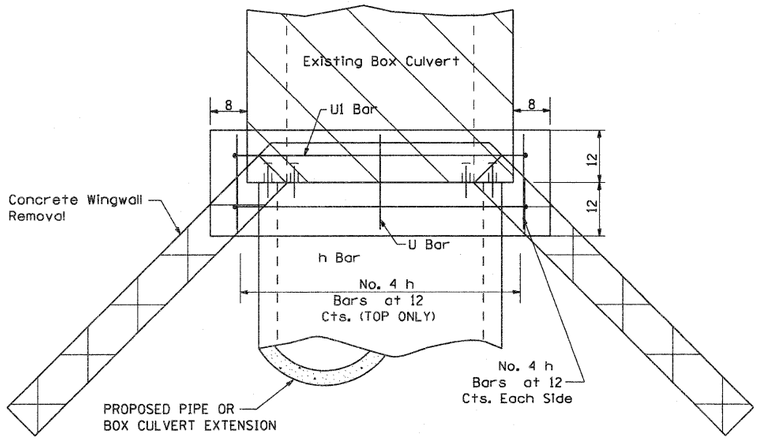
General Notes

Concrete Collars shall be constructed of Class SI Concrete in accordance with Section 503 of the Standard Specifications

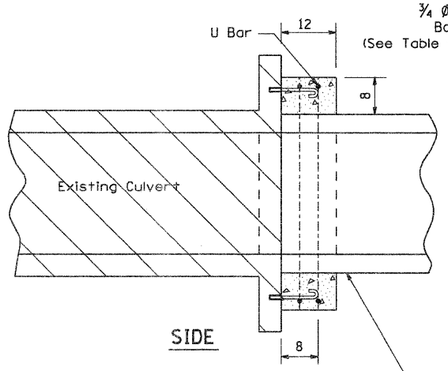
Reinforcement bars shall conform to Section 508 of the Standard Specifications.

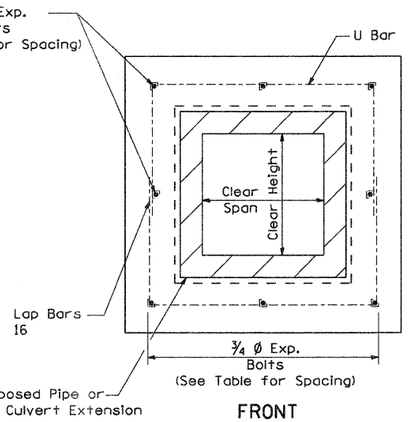
The concrete will be paid for at the contract unit price per cubic yard for CONCRETE COLLAR. Reinforcement will be paid for at the contract unit price per pound for REINFORCEMENT BARS. Expansion Bolts, when required, will be paid for at the contract unit price each for EXPANSION BOLTS of the size indicated, which price shall include furnishing, drilling holes, and installing the expansion bolts complete in place. These bolts shall extend at least 8 inches into the new concrete.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

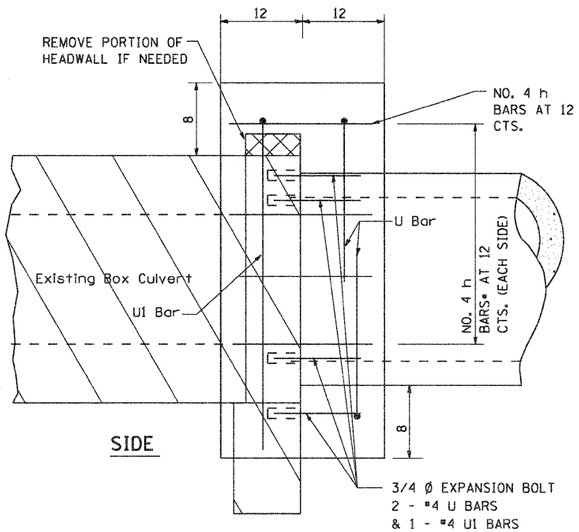


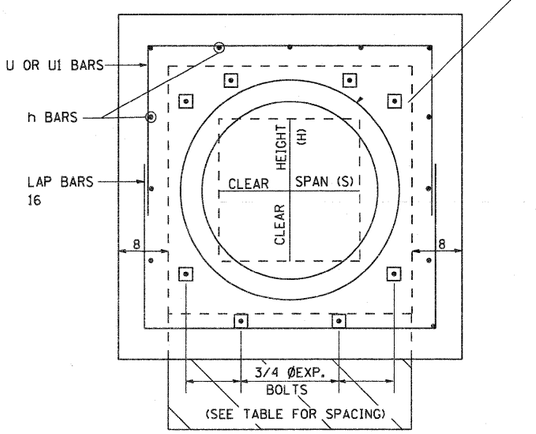
PLAN OF CULVERT WITH ANGLED WING WALLS



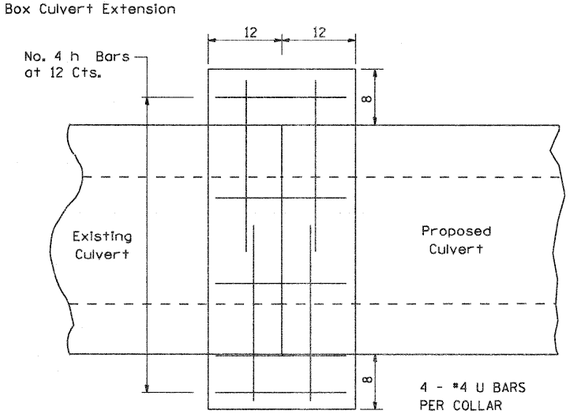


FRONT

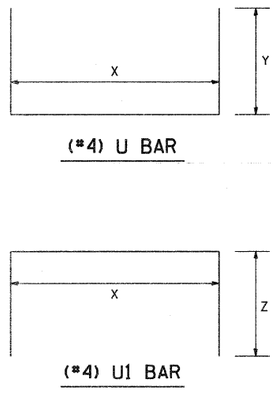




FRONT



CULVERT CONNECTION WITHOUT EXISTING HEADWALL



PLACEMENT DETAILS FOR EXPANSION BOLTS

H OR S	NUMBER OF EXPANSION BOLTS REQUIRED PER SIDE			
	EXTENSIONS < 15'		EXTENSIONS > 15'	
	NUMBER	SPACING	NUMBER	SPACING
24	*		*	
30	2	18	2	18
36	2	24	2	24
48	3	18	3	18
60	4	16	3	24
72	5	15	4	20
84	5	18	4	24
96	6	15	5	21
108	6	19	5	24
120	7	18	6	21
132	8	17	6	24
144	8	19	7	22

* MINIMUM ONE PER SIDE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

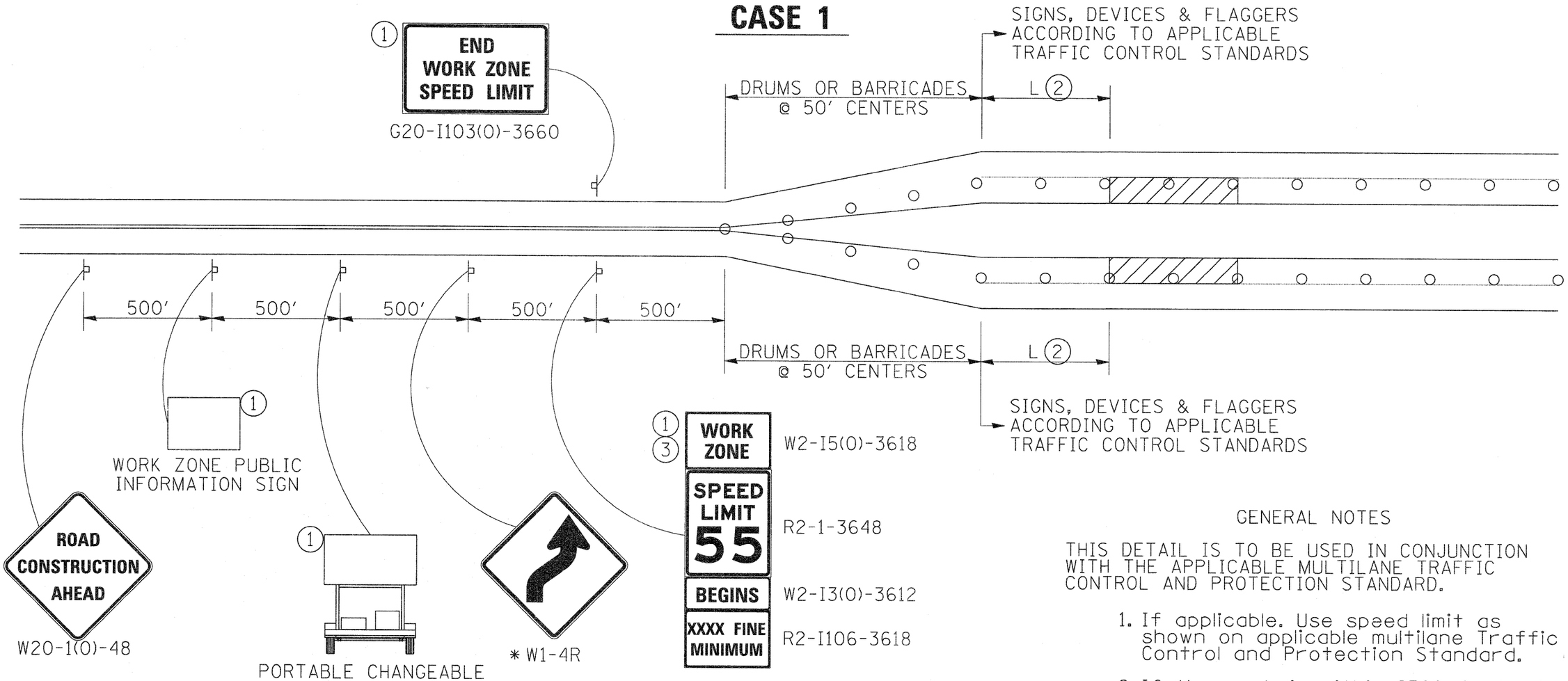
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	348
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONCRETE COLLARS FOR PIPE OR BOX CULVERT EXTENSIONS 33.1

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 1



GENERAL NOTES

THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

1. If applicable. Use speed limit as shown on applicable multilane Traffic Control and Protection Standard.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 BEGINS shall be replaced with WORK ZONE SPEED LIMIT 45 BEGINS where the workers are within 500 feet of the transition.

◯ DRUMS OR BARRICADES

▨ WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

* DEPENDS ON GEOMETRICS OF THE TRANSITION. MAY SWITCH THE "STAY IN YOUR LANE" AND "WEAVE SIGNS"

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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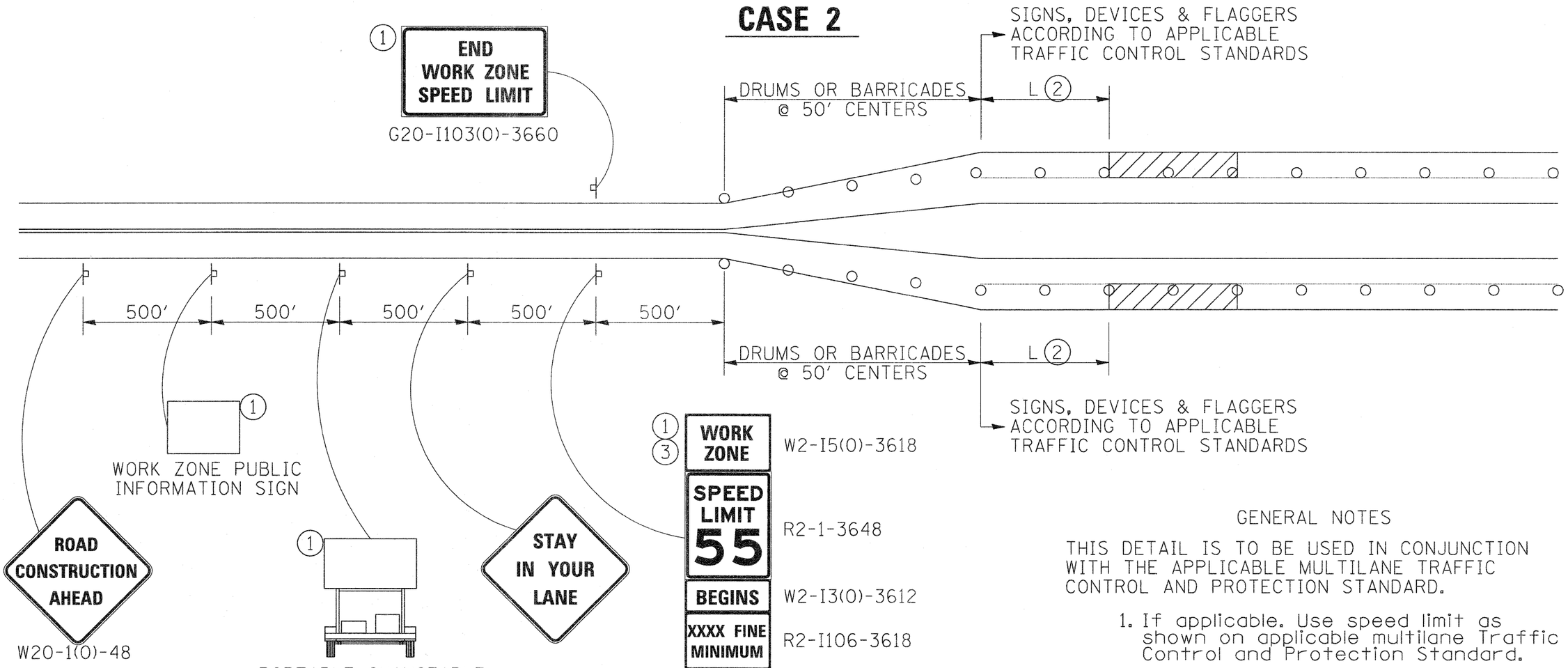
742	34R	WINNEBAGO	491	348a
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 2



GENERAL NOTES

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◯ DRUMS OR BARRICADES

▨ WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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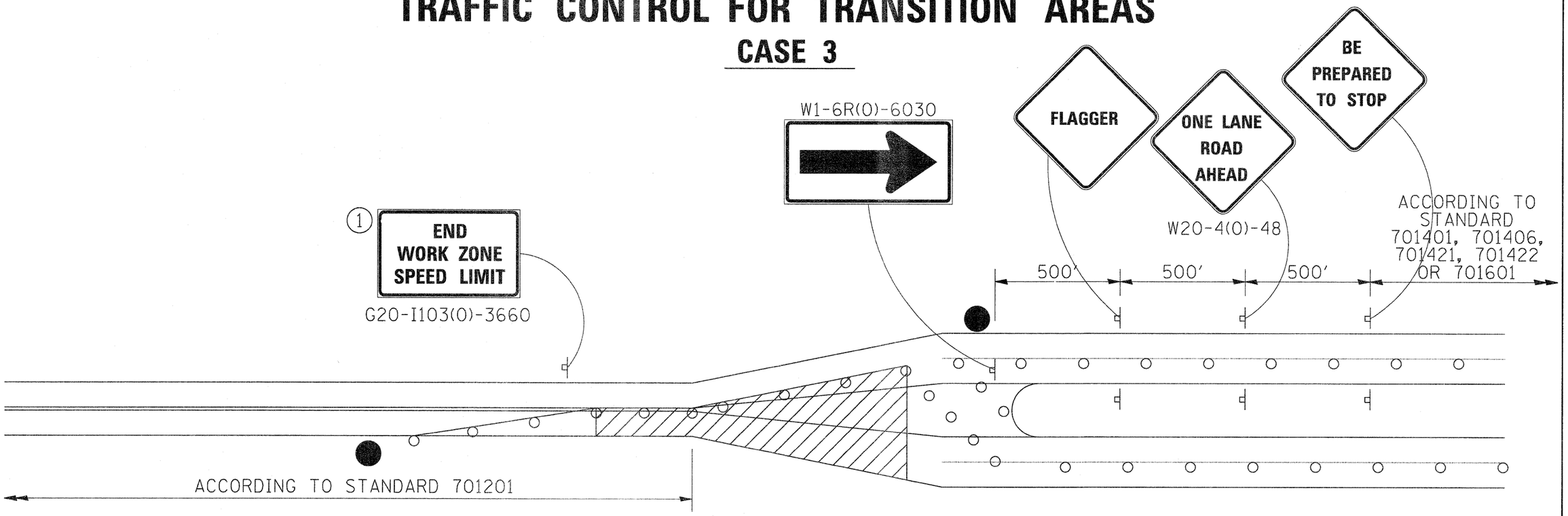
742	34R	WINNEBAGO	491	348b
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 3



● FLAGGER WITH TRAFFIC CONTROL SIGN

○ DRUMS OR BARRICADES

▨ WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

GENERAL NOTES

THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

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THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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STATE OF ILLINOIS
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REGION 2 / DISTRICT 2 STANDARD

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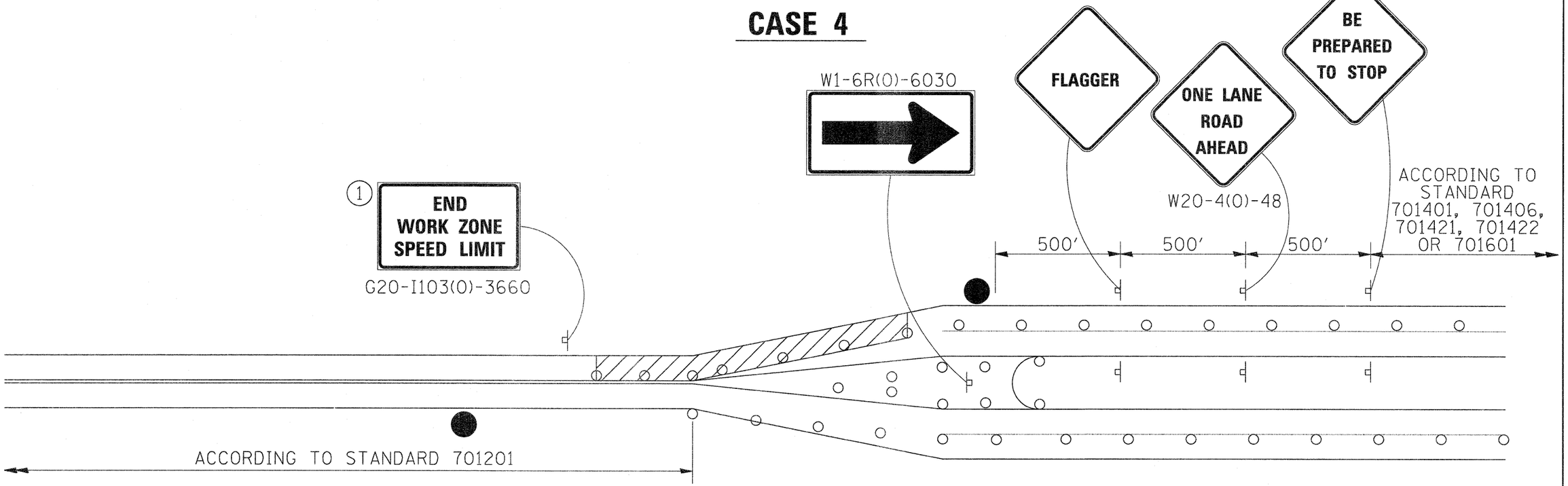
742	34R	WINNEBAGO	491	348c
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 4



● FLAGGER WITH TRAFFIC CONTROL SIGN

○ DRUMS OR BARRICADES

▨ WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

GENERAL NOTES

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DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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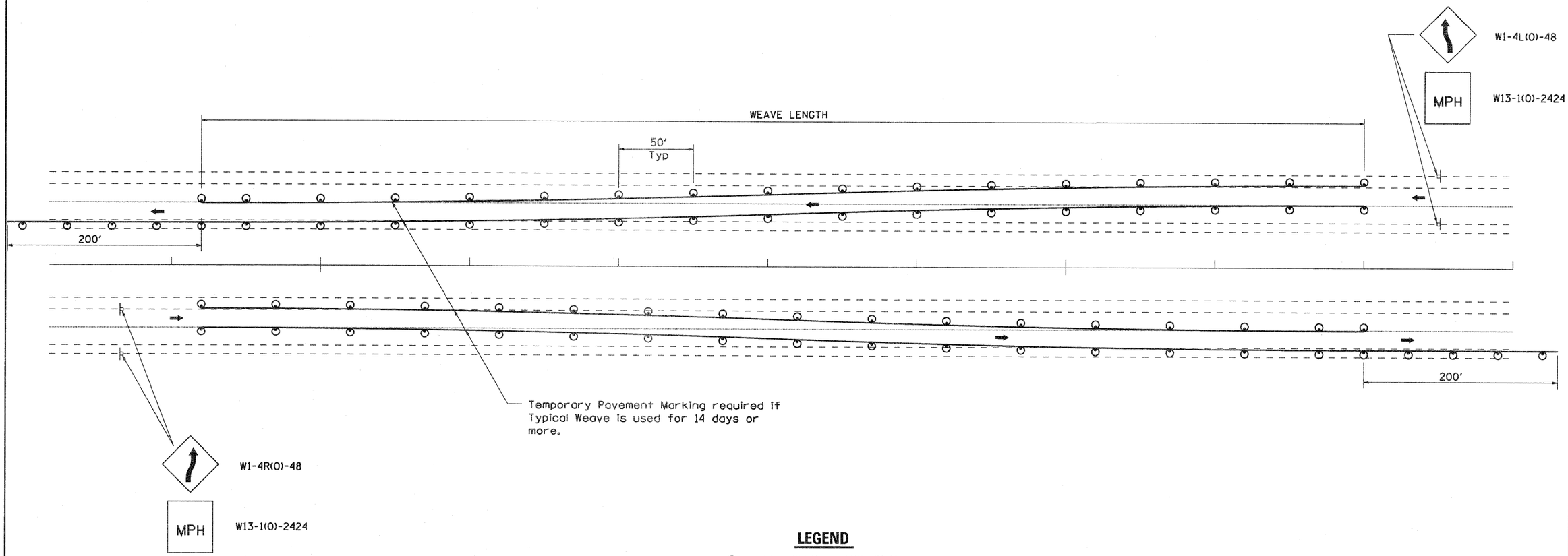
742	34R	WINNEBAGO	491	348d
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL TYPICAL WEAVE



DESIGNER NOTE:

1. USE ON LONG 4-LANE PROJECTS WHERE THE CONTRACTOR MAY CHANGE A PORTION OF THE WORK TO THE OPPOSITE LANE.
2. USE WHERE THE PROJECT IS ADJACENT TO ANOTHER AND THE CONTRACTOR COULD BE WORKING ON DIFFERENT LANES.
3. TEMPORARY PAVEMENT MARKING SHALL BE USED WHEN TYPICAL WEAVE IS USED FOR 14 DAYS OR MORE.
4. TRAFFIC CONTROL TYPICAL WEAVE SHALL BE INCLUDED IN THE COST OF THE SPECIFIC TRAFFIC CONTROL STANDARDS OF ITEMS.

LEGEND

- ⊙ DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- ⊦ SIGN ON PERMANENT MOUNT

STANDARD WEAVE CONDITIONS FOR DIFFERENT SPEED LIMITS

POSTED SPEED LIMIT	ADVISORY SPEED LIMIT	WEAVE LENGTH
65 MPH	45 MPH	780 FT.
55 MPH	35 MPH	660 FT.
45 MPH	25 MPH	540 FT.

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

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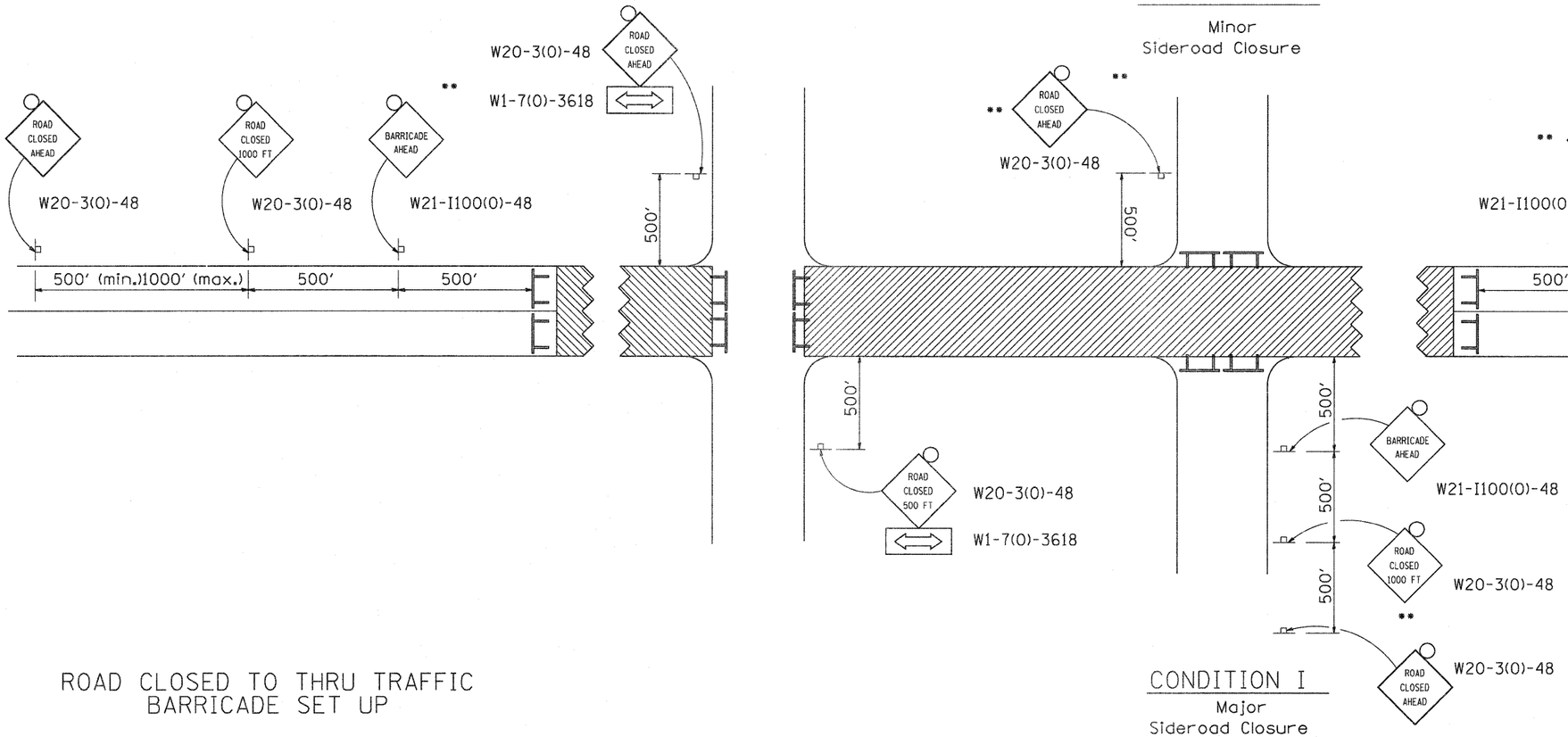
742	34R	WINNEBAGO	491	348e
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL FOR ROAD CLOSURE

CONDITION II

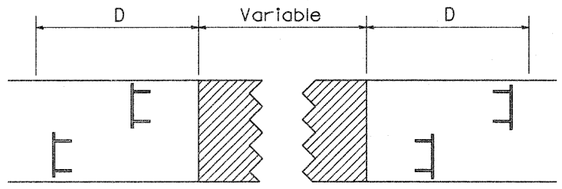
Minor
Sideroad Closure



CONDITION I

Major
Sideroad Closure

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

SYMBOLS

Work area

Type III Barricade with Flashers

Sign with flashing light

GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

** Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic. Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

All dimensions are in inches unless otherwise shown.

TYPICAL APPLICATION FOR ROAD CLOSURE

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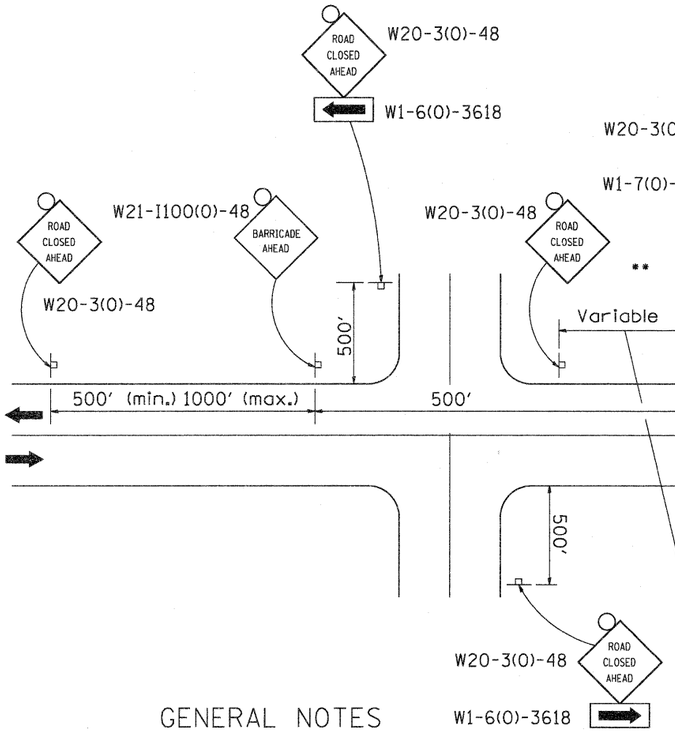
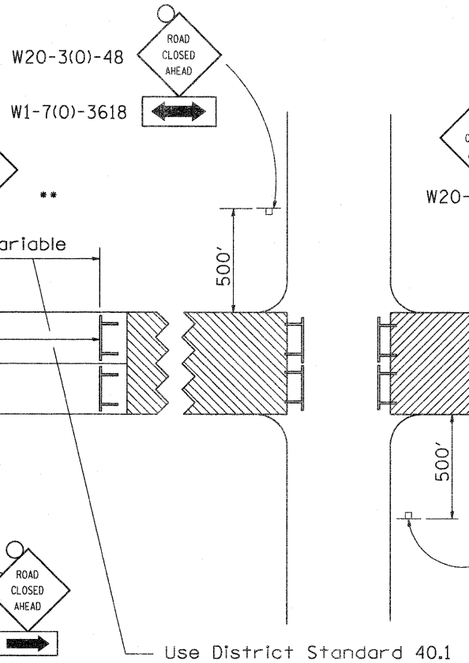
742	34R	WINNEBAGO	491	349
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

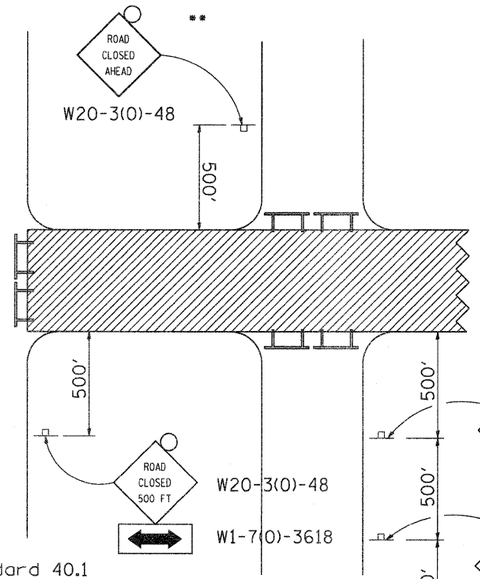
TRAFFIC CONTROL FOR ROAD CLOSURE WITH SIDE ROAD WITHIN 150'

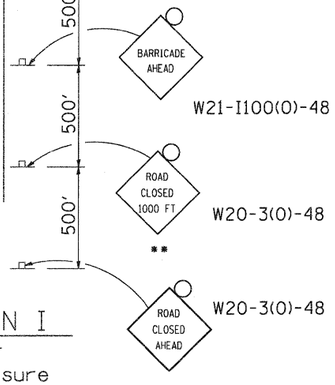


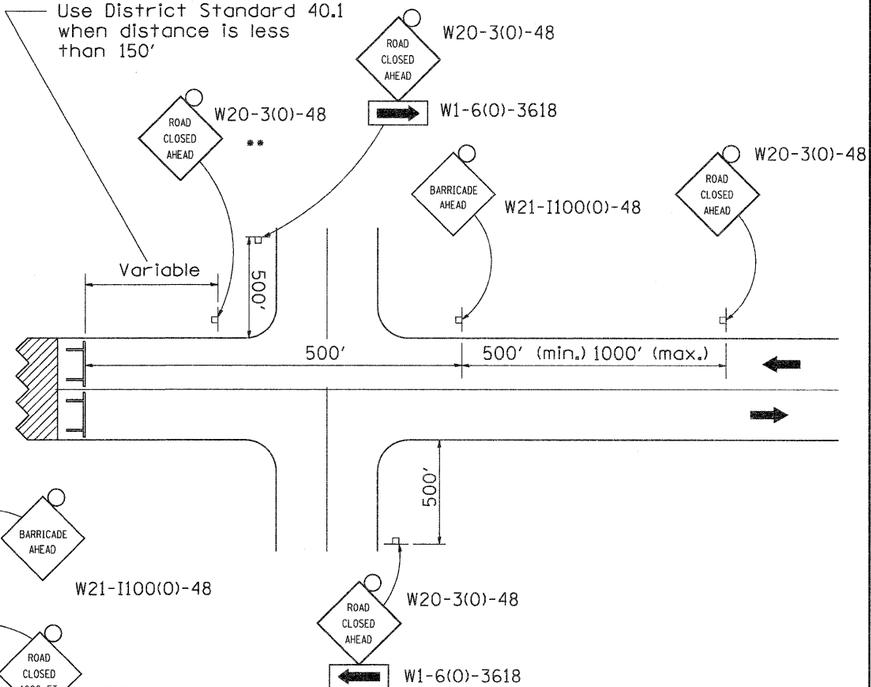


CONDITION II

Minor
Sideroad Closure







GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

When the distance between the barricade and the intersection is between 1500' and 2000', the advance sign shall be placed at the intersection. When the distance between the barricade and the intersection is over 2000', an additional sign shall be placed at the intersection. The additional sign shall give the distance to the barricade in miles or fractions of a mile.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure) , shall be listed in the special provision.

** Where local access is to be maintained, barricades are to be set up as shown above in Road Closed to thru traffic.

Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

CONDITION I

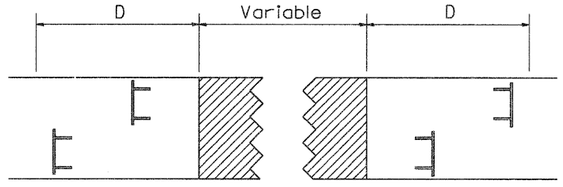
Major
Sideroad Closure

SYMBOLS

Work area

Type III Barricade with Flashers

Sign with flashing light



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

All dimensions are in inches unless otherwise shown.

TYPICAL APPLICATION FOR ROAD CLOSURE WITH SIDE ROAD WITHIN 150' OF CLOSURE

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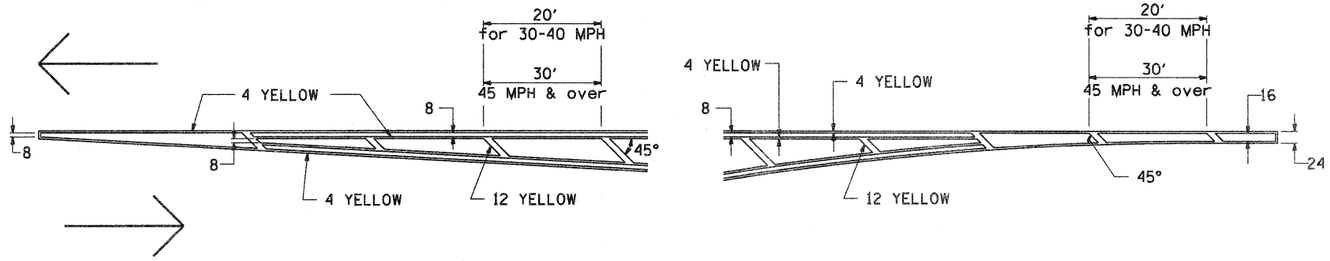
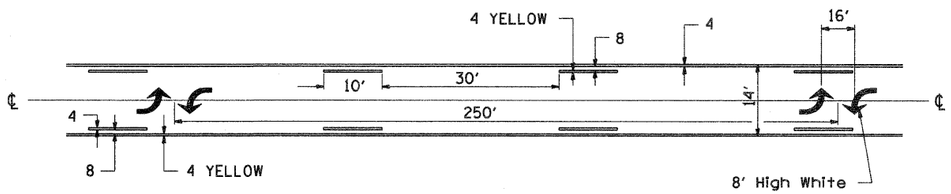
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -			742	34R	WINNEBAGO	491	350
	PLOT DATE = 1/17/2012	CHECKED -	REVISED -					CONTRACT NO. 64515		
		DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

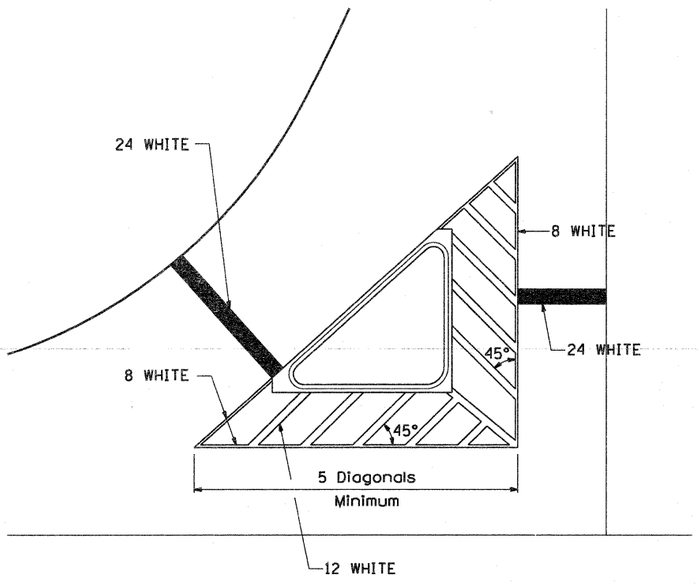


MEDIAN PAVEMENT MARKING

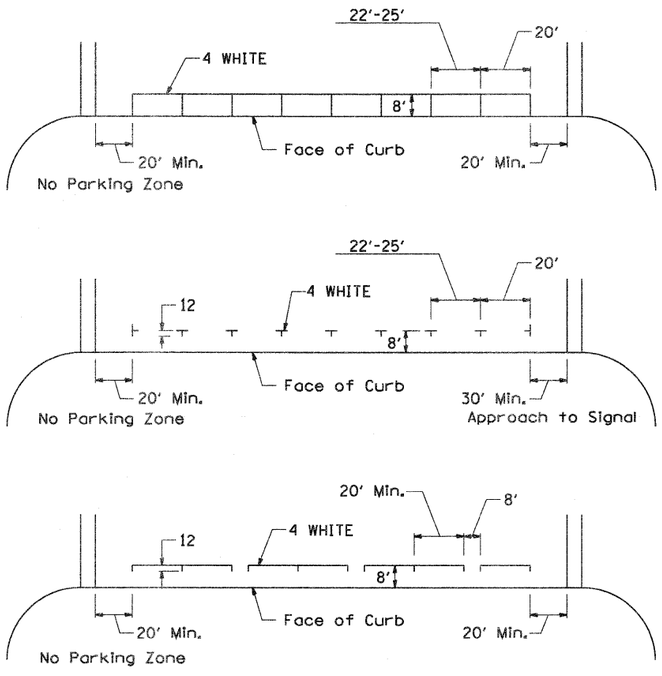


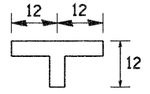
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



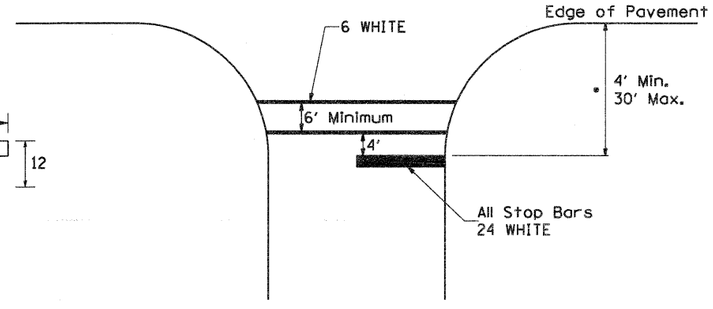
TYPICAL PARKING SPACING





STANDARD CROSSWALK MARKING

See Schedules for Locations



• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

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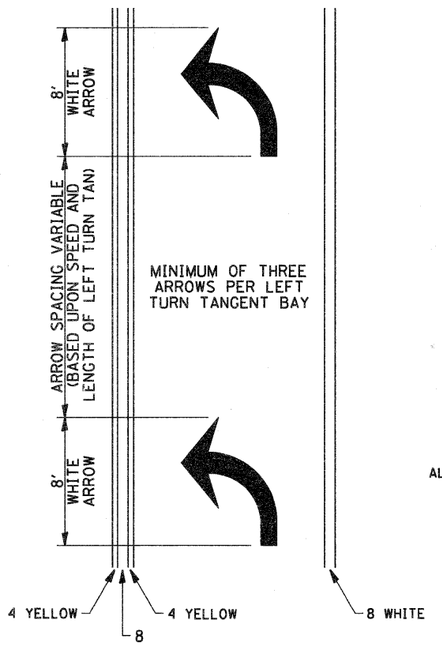
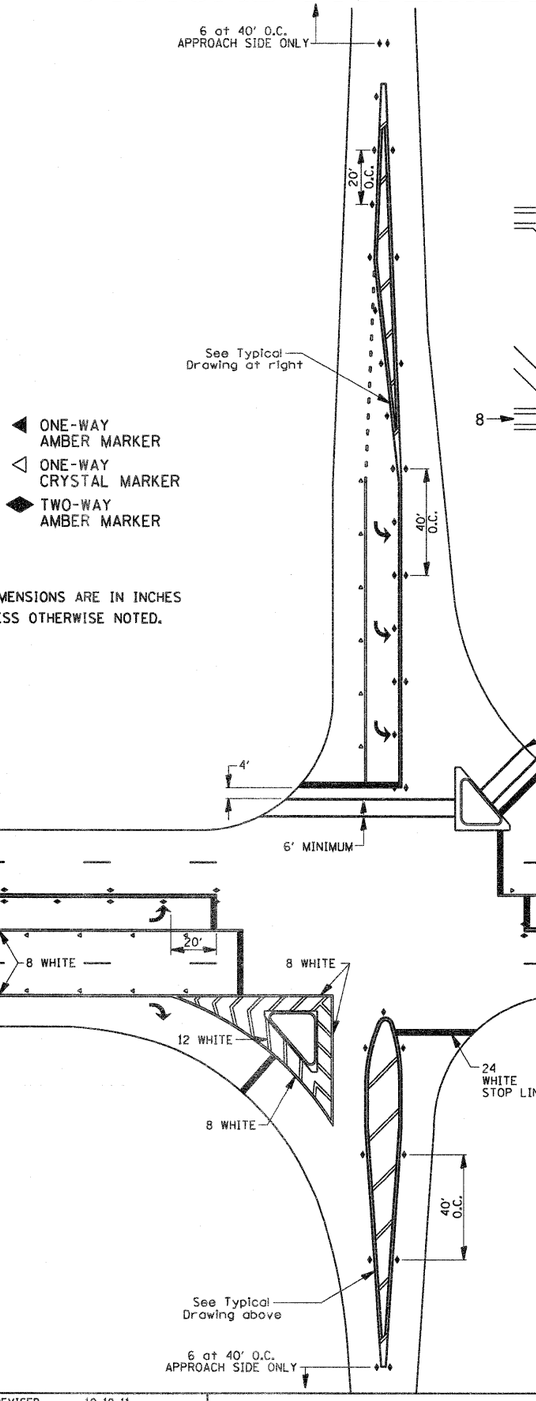
	PLOT DATE = 1/17/2012	CHECKED -	REVISED -		
		DATE -	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	351
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

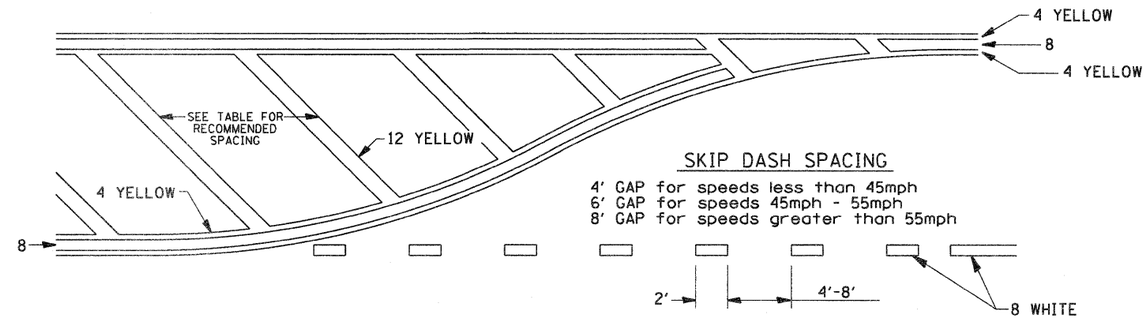




◀ ONE-WAY AMBER MARKER
◁ ONE-WAY CRYSTAL MARKER
◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



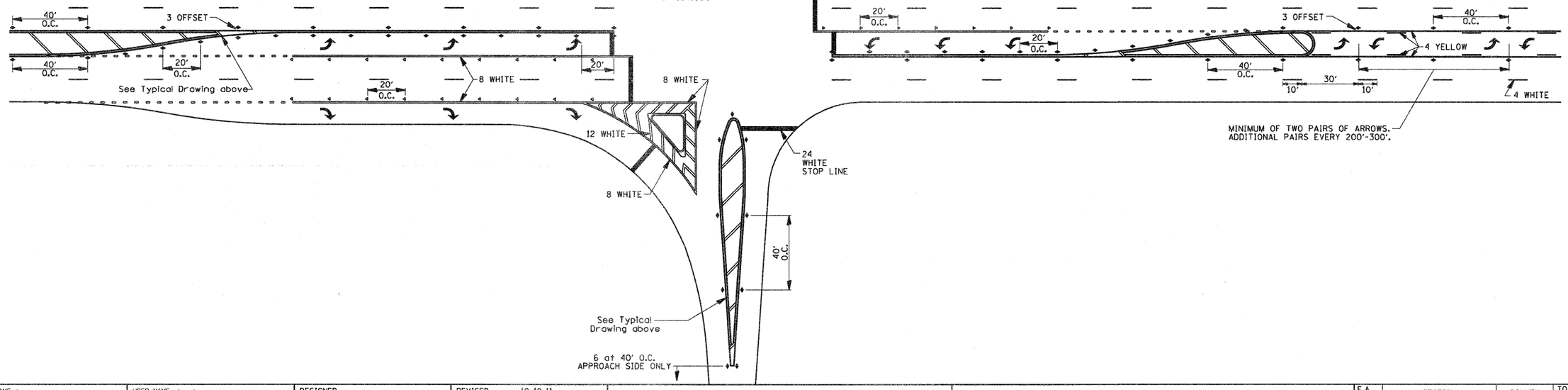
SKIP DASH SPACING

4' GAP for speeds less than 45mph
6' GAP for speeds 45mph - 55mph
8' GAP for speeds greater than 55mph

RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



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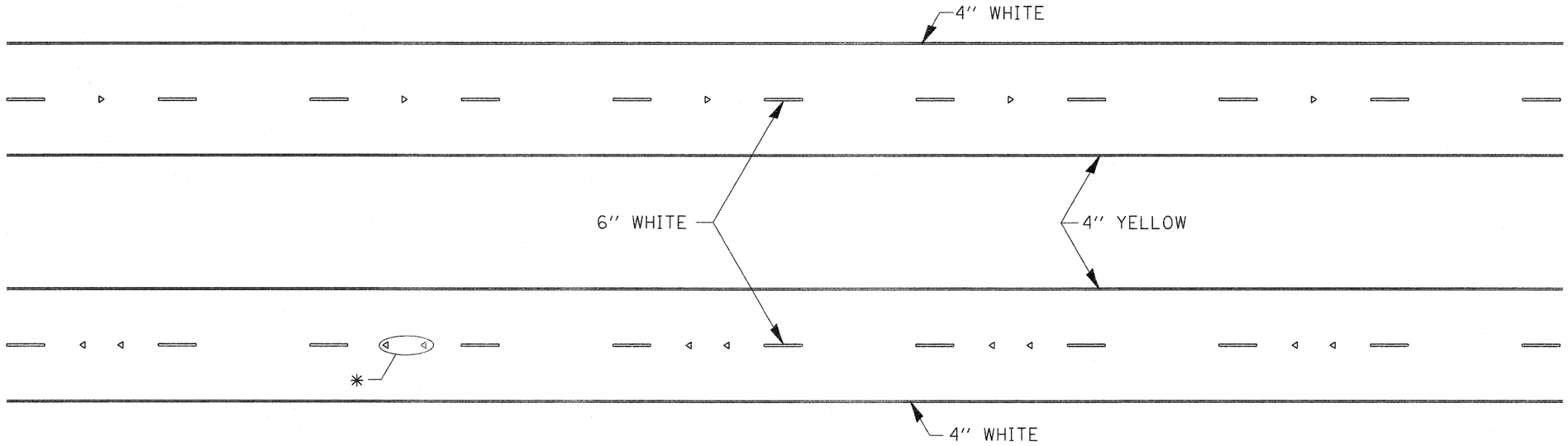
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -	
	PLOT DATE = 1/17/2012	CHECKED -	REVISED -	
		DATE -	REVISED -	

REGION 2 / DISTRICT 2 STANDARD

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

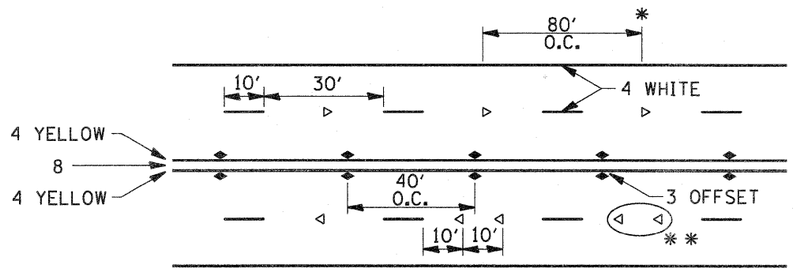
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	352
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT ≥ 25,000.

MULTI-LANE / DIVIDED



SYMBOLS

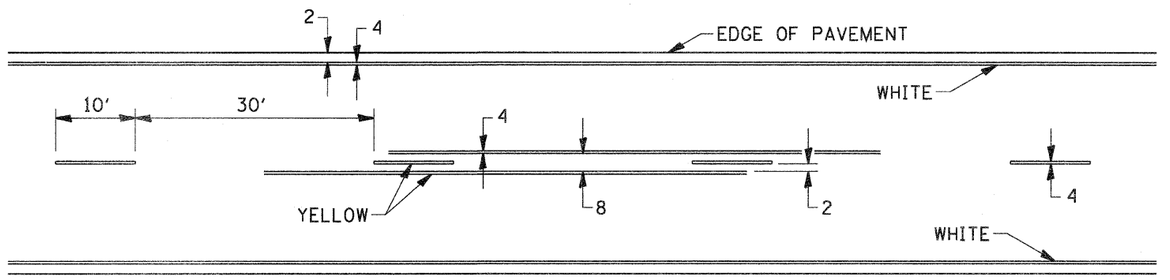
- REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI-LANE / UNDIVIDED

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



FILE NAME = G:\2010\TRANS\B10T001\DGN\District Standards\District Standards.dgn	USER NAME = petp	DESIGNED -	REVISED - 10-18-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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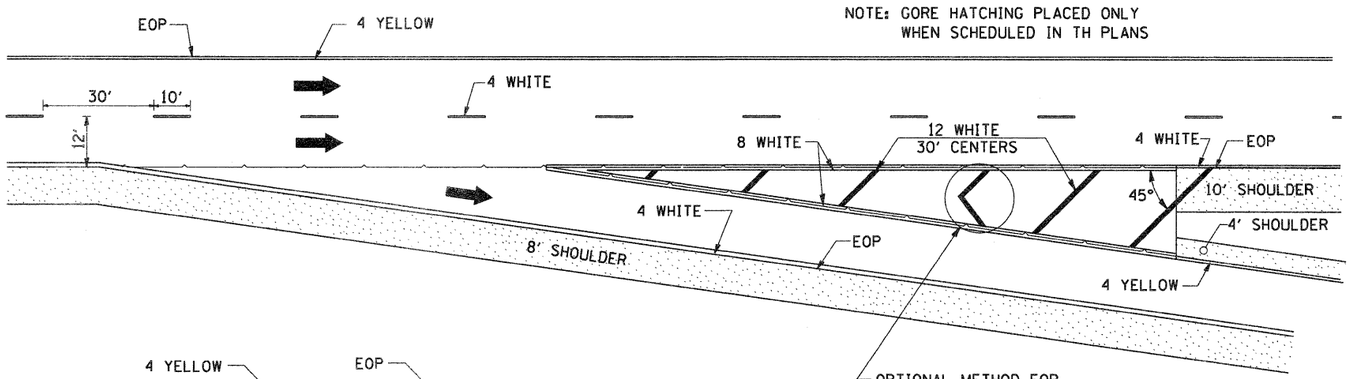
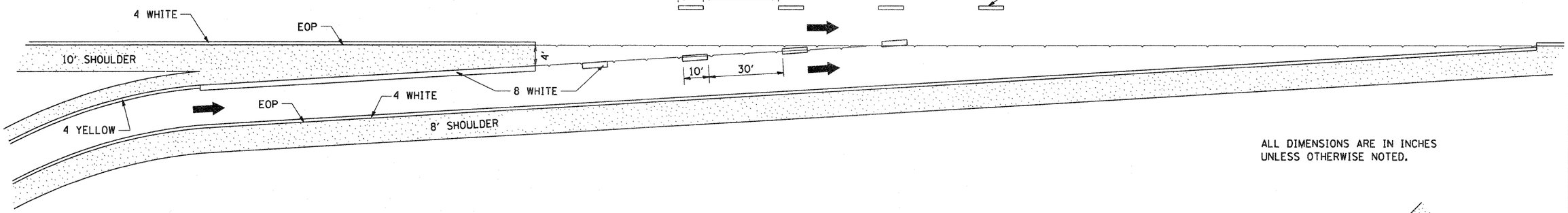
	PLOT DATE = 1/17/2012	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 64515	

PAINTING DETAILS

EXIT RAMP



ENTRANCE RAMP



ALL DIMENSIONS ARE IN INCHES
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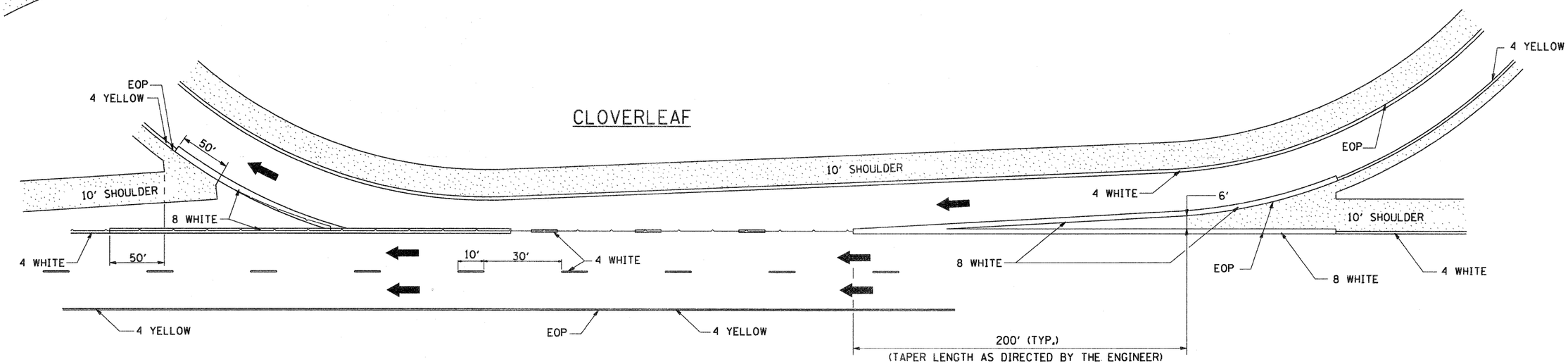
CLOVERLEAF



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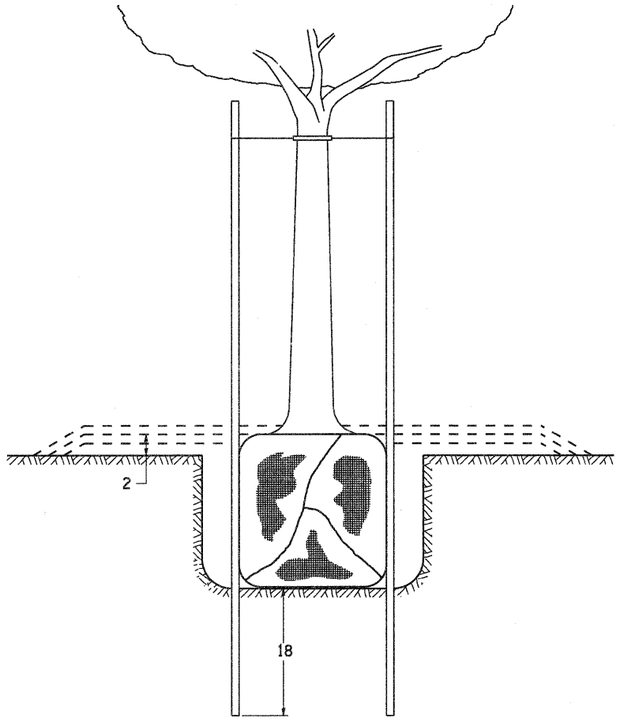
	PLOT DATE = 1/17/2012	CHECKED -	REVISED -		
		DATE -	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	354
		CONTRACT NO. 64515		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

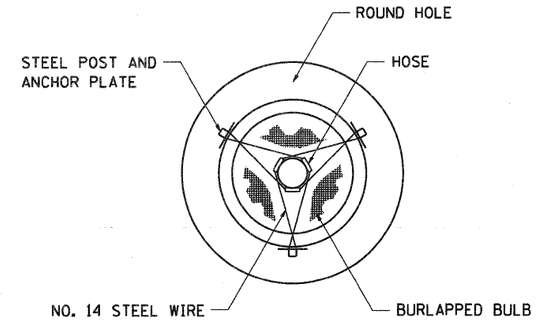
DETAILS OF PLANTING AND BRACING TREES

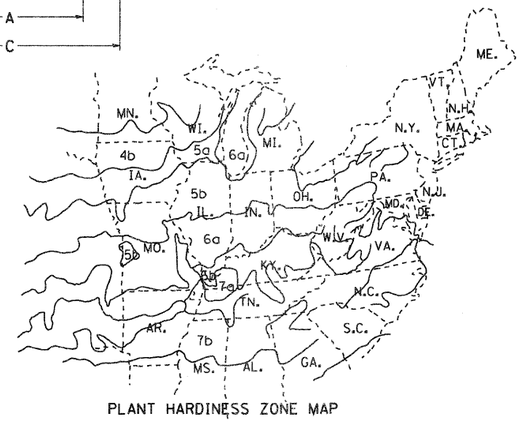


TREES SMALLER THAN 4½ IN DIAMETER

SMALL TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10' BB	24	14	36	4	16	0.61
10'-12' BB	26	15	36	4	17	0.61

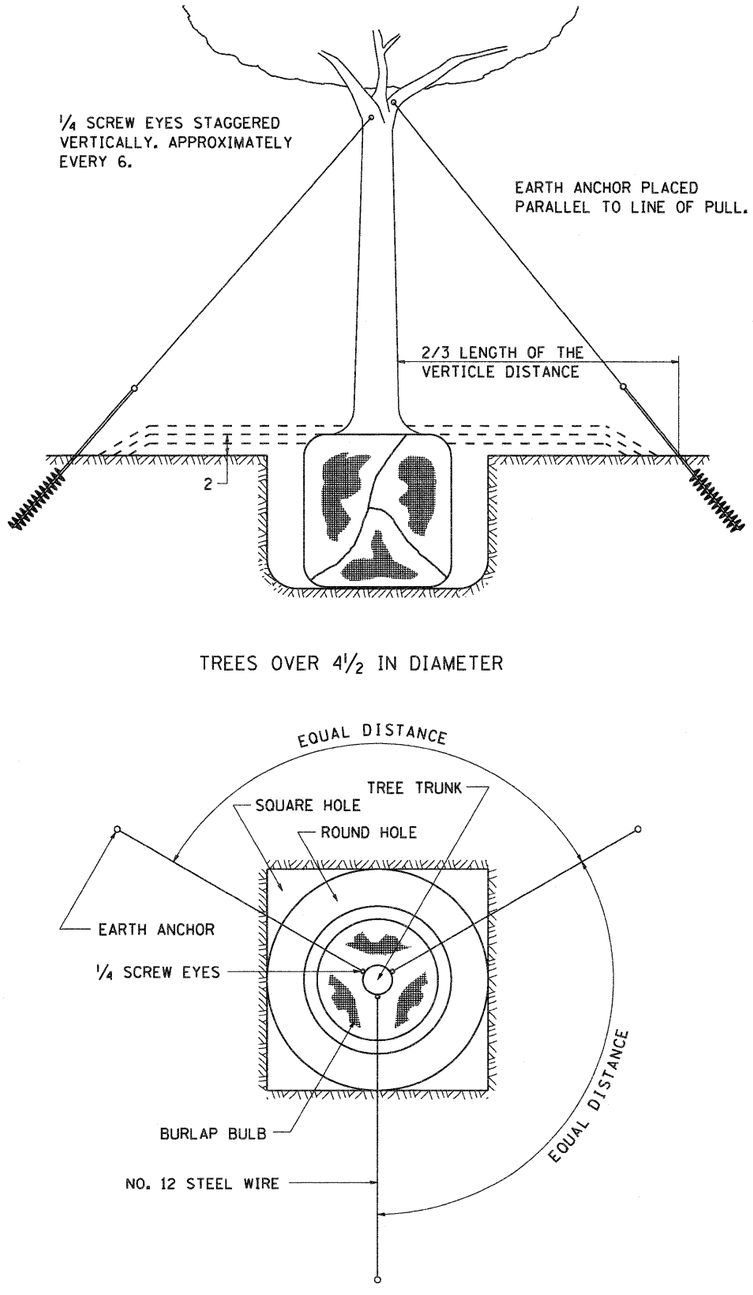
LARGE TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER CU. YDS.
0-2	20	11	36	4	13	0.61
2-2½ BB	24	14	48	4	16	0.78
2½-3 BB	28	17	48	4	19	0.78
3-3½ BB	32	17	60	4	19	0.96
3½-4 BB	36	20	60	4	22	0.96
4-4½ BB	40	22	72	4	24	1.16
4½-5 BB	44	24	72	4	26	1.16
5-5½ BB	48	27	84	4	29	1.38





PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 4½ IN DIAMETER

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

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		DRAWN -	REVISED -			742	34R	WINNEBAGO	491	355
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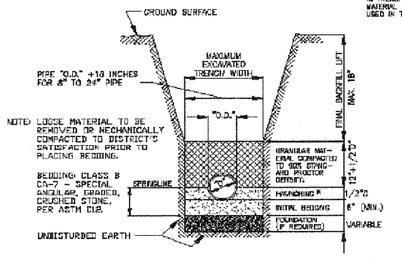
	PLOT DATE = 1/17/2012	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

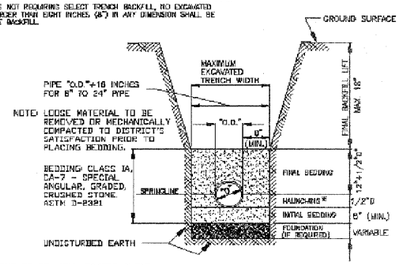
DETAILS OF PLANTING AND BRACING TREES 92.1



CLAY, RCP & DIP PIPE BEDDING DETAIL

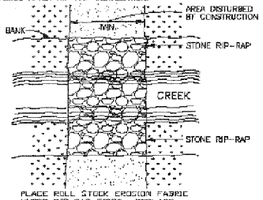
CONTRACTOR SHALL USE REASONABLE CARE WHILE BACKFILLING OVER THE SEWER. NO MATERIALS SUCH AS ROCKS OR BOULDERS SHALL BE ALLOWED DIRECTLY ON THE SEWER PIPE UNLESS A MIN. OF 24" OF SELECT OR GRANULAR BACKFILL HAS BEEN PLACED ABOVE THE CROWN OF THE PIPE.

IN TRENCHES NOT REQUIRING SELECT TRENCH BACKFILL, NO EXCAVATED MATERIAL LARGER THAN EIGHT INCHES (8") IN ANY DIMENSION SHALL BE USED IN THE BACKFILL.

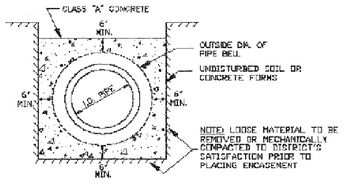


PVC PIPE BEDDING DETAIL

STONE RIP-RAP SHALL BE GRADATION RR4, (18" MIN. THICKNESS) UNLESS SPECIFIED OTHERWISE, WITH GRADATION RR4 BEDDING (9" MIN. THICKNESS) PER IDOT SECTION 281. RIP RAP TO BE IMMEDIATELY INSTALLED AFTER COMPLETION OF BACKFILLING AND SILT FENCE AFTER RIP RAP INSTALLATION.

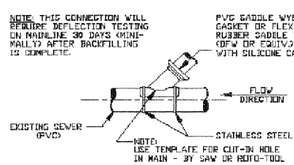


STONE RIP-RAP DETAIL
TYPICAL



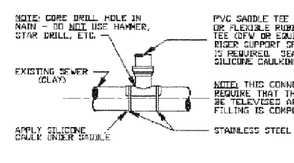
ENCASEMENT DETAIL

NOTE: THIS CONNECTION WILL REQUIRE DEFLECTION TESTING ON MAINLINE 30 DAYS MINIMALLY AFTER BACKFILLING IS COMPLETE.

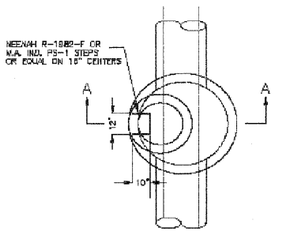


CUT-IN CONNECTION DETAIL (PVC PIPE)
PLAN VIEW
SEE SERVICE & SERVICE CLEANOUT RISER DETAIL

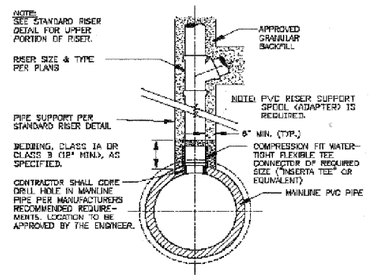
NOTE: CORE DRILL HOLE IN MAIN - DO NOT USE HAMMER, CHAIR DRILL, ETC.



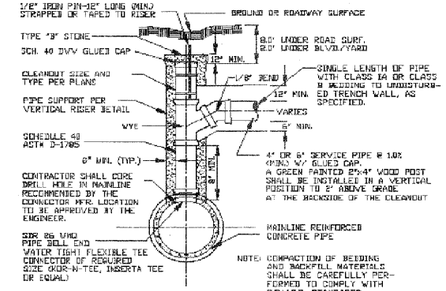
CUT-IN CONNECTION DETAIL (CLAY PIPE)
PROFILE VIEW
SEE SERVICE & SERVICE CLEANOUT RISER DETAIL



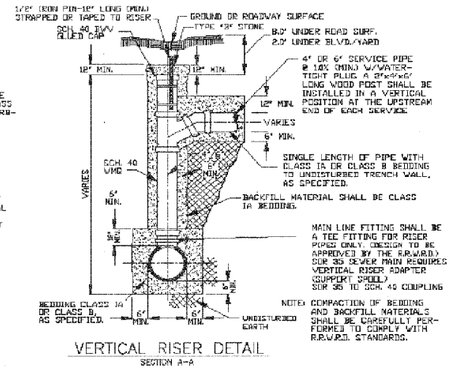
MANHOLE DETAIL - PLAN



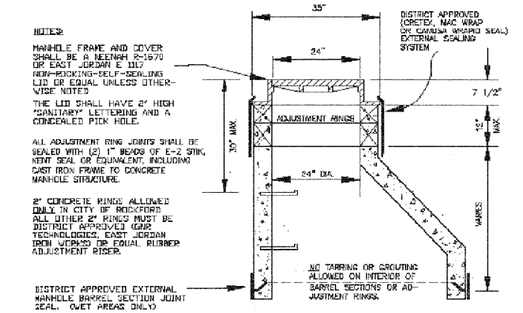
SERVICE CONNECTION FOR PVC TRUNK SEWER
FOR PIPE 18" IN DIA. OR LARGER



SERVICE CONNECTION DETAIL FOR RCP
NO SCALE



VERTICAL RISER DETAIL
SECTION A-A



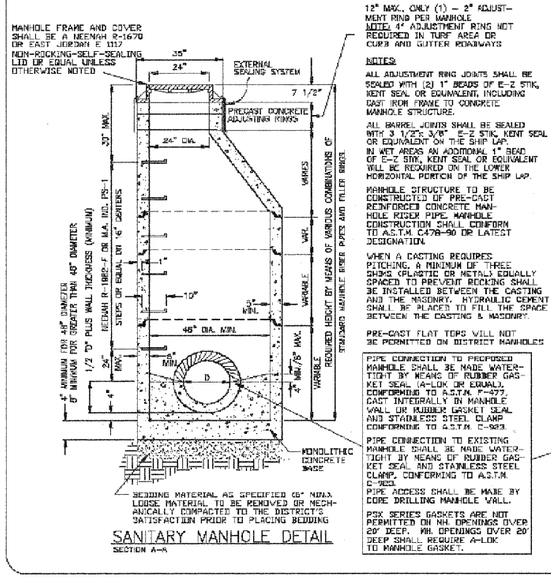
SANITARY MANHOLE ADJUSTMENT DETAIL
NO SCALE

MINIMUM MANHOLE DIAMETERS		
PIPE SIZE	MIN. DIAMETER	MIN. WALL THICKNESS
8" - 15"	4'	6"
18" - 24"	5'	8"
24" - 36"	6'	10"
(OR AS DIRECTED BY THE DISTRICT)		

NOTE: THE MAXIMUM DROP FROM THE INVERT OF ANY PIPE IN A MANHOLE TO THE POURED CHANNEL UNDER THAT PIPE SHALL BE 8'.

NOTE: MANHOLES LOCATED OUTSIDE PUBLIC RIGHT-OF-WAY MUST BE MARKED WITH A METAL FENCE POST

ALL NEW MANHOLES SHALL BE VACUUM TESTED PER ASTM C 1244 PRIOR TO PLACING INTO SERVICE. EXISTING MH'S WILL NOT REQUIRE VACUUM TESTING.



SANITARY MANHOLE DETAIL
SECTION A-A

1 1/2" MIN. ONLY (1) - 2" ADJUSTMENT RING PER MANHOLE
NOTE: 4" ADJUSTMENT RING NOT REQUIRED IN TURF AREA OR CURB AND GUTTER ROADWAYS

NOTES:

ALL ADJUSTMENT RING JOINTS SHALL BE SEALED WITH (2) 1" BEADS OF E-Z STIK, KENT SEAL OR EQUIVALENT, INCLUDING CAST IRON FRAME TO CONCRETE MANHOLE STRUCTURE.

ALL BARREL JOINTS SHALL BE SEALED WITH 3 1/2"X 3/8" E-Z STIK, KENT SEAL OR EQUIVALENT ON THE SHIP LAP. IN WET AREAS AN ADDITIONAL 1" BEAD OF E-Z STIK, KENT SEAL OR EQUIVALENT WILL BE REQUIRED ON THE LOWER HORIZONTAL PORTION OF THE SHIP LAP.

MANHOLE STRUCTURE TO BE CONSTRUCTED OF PRE-CAST REINFORCED CONCRETE MANHOLE RISER PIPE. MANHOLE CONSTRUCTION SHALL CONFORM TO A.S.T.M. C478-90 OR LATEST DESIGNATION.

WHEN A CASTING REQUIRES PITCHING, A MINIMUM OF THREE SHIMS (PLASTIC OR METAL) EQUALLY SPACED TO PREVENT ROCKING SHALL BE INSTALLED BETWEEN THE CASTING AND THE MASONRY. HYDRAULIC CEMENT SHALL BE PLACED TO FILL THE SPACE BETWEEN THE CASTING & MASONRY.

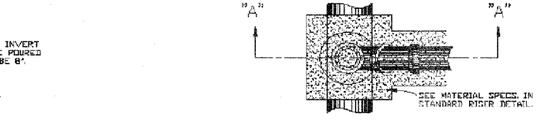
PRE-CAST FLAT TOPS WILL NOT BE PERMITTED ON DISTRICT MANHOLES

PIPE CONNECTION TO PROPOSED MANHOLE SHALL BE MADE WATER-TIGHT BY MEANS OF RUBBER GASKET SEAL (A-LOK OR EQUAL), CONFORMING TO A.S.T.M. F-477, CAST INTERNALLY IN MANHOLE WALL OR RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP CONFORMING TO A.S.T.M. C-923.

PIPE CONNECTION TO EXISTING MANHOLE SHALL BE MADE WATER-TIGHT BY MEANS OF RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP, CONFORMING TO A.S.T.M. C-923.

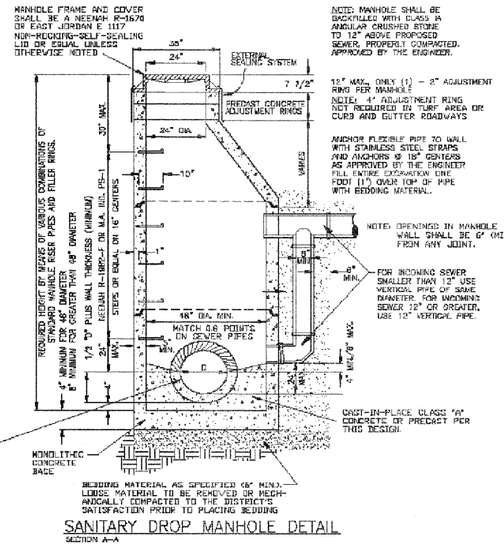
PIPE ACCESS SHALL BE MADE BY CORE DRILLING MANHOLE WALL.

PSX SERIES GASKETS ARE NOT PERMITTED ON MH OPENINGS OVER 20' DEEP. MH OPENINGS OVER 20' DEEP SHALL REQUIRE A-LOK TO MANHOLE GASKET.



PLAN VIEW (RISER DETAIL)

MANHOLE FRAME AND COVER SHALL BE A NEENAH R-1670 OR EAST JORDAN E 1017 NON-ROCKING-SELF-SEALING LID OR EQUAL UNLESS OTHERWISE NOTED



SANITARY DROP MANHOLE DETAIL
SECTION A-A

NOTE: MANHOLE SHALL BE BACKFILLED WITH CLASS IA ANGULAR CRUSHED STONE TO 12" ABOVE PROPOSED SEWER, PROPERLY COMPACTED. APPROVED BY THE ENGINEER.

12" MAX. ONLY (1) - 2" ADJUSTMENT RING PER MANHOLE

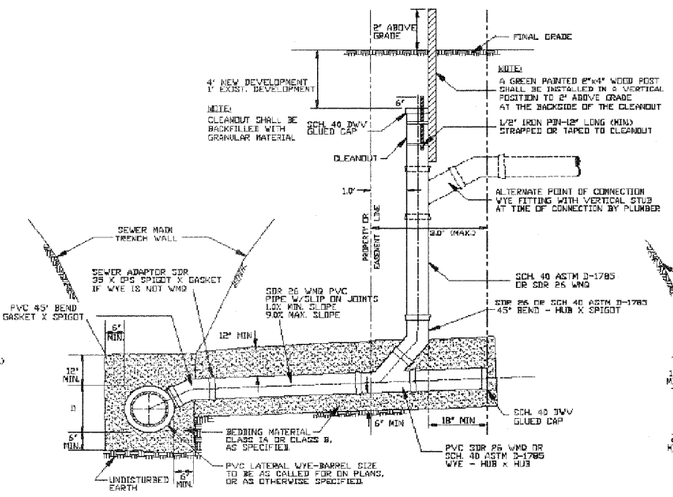
NOTE: 4" ADJUSTMENT RING NOT REQUIRED IN TURF AREA OR CURB AND GUTTER ROADWAYS

ANCHOR FLEXIBLE PIPE TO WALL WITH STAINLESS STEEL STRAPS AND ANCHORS @ 18" CENTERS AS APPROVED BY THE ENGINEER FILL ENTIRE EXCAVATION ONE FOOT (1') OVER TOP OF PIPE WITH BEDDING MATERIAL.

NOTE: OPENINGS IN MANHOLE WALL SHALL BE 6" (MIN.) FROM ANY JOINT.

FOR INCOMING SEWER SMALLER THAN 12" USE VERTICAL PIPE OF SAME DIAMETER. FOR INCOMING SEWER 12" OR GREATER, USE 12" VERTICAL PIPE.

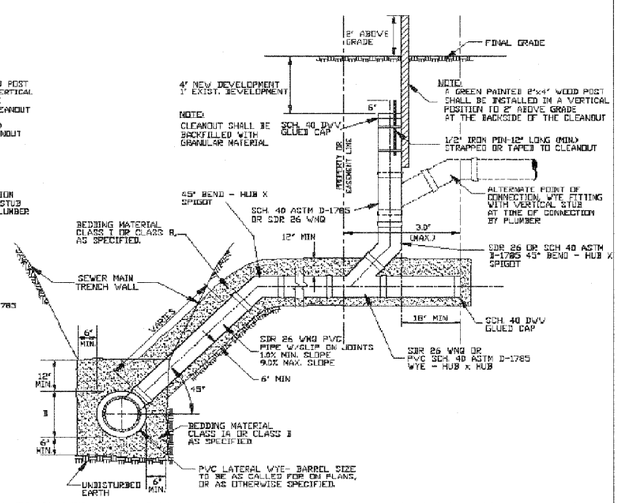
CAST-IN-PLACE CLASS "A" CONCRETE OR PRECAST PER THIS DESIGN



SERVICE & SERVICE CLEANOUT RISER
NO SCALE

NOTE: SANITARY SERVICES REQUIRED TO EXTEND MAX. 3' BEYOND R.O.W. LINE

ALL SCHEDULE 40 PVC PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D1785/D2665. ALL WMD SDR 26 PVC PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D3034 AND D3139. ALL DWV FITTINGS SHALL BE CLEANED, PRIMED AND GLUED.



ALTERNATE SERVICE RISER DETAIL (WITH SERVICE CLEANOUT)
NO SCALE

NOTE: SANITARY SERVICES REQUIRED TO EXTEND MAX. 3' BEYOND R.O.W. LINE

ALL SCHEDULE 40 PVC PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D1785/D2665. ALL WMD SDR 26 PVC PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASTM D3034 AND D3139. ALL DWV FITTINGS SHALL BE CLEANED, PRIMED AND GLUED.

ROCK RIVER WATER RECLAMATION DISTRICT
3501 KISHWAUKEE ST., P.O. BOX 7480, ROCKFORD, ILLINOIS 61126-7480 - PH. (815) 987-7660/FAX (815) 987-7665

REVISED: 5/19/09 PAD

STANDARD DETAIL SHEET

REF. DETAIL SHT. 09.DWG

SHEET OF

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		DATE -	REVISED -

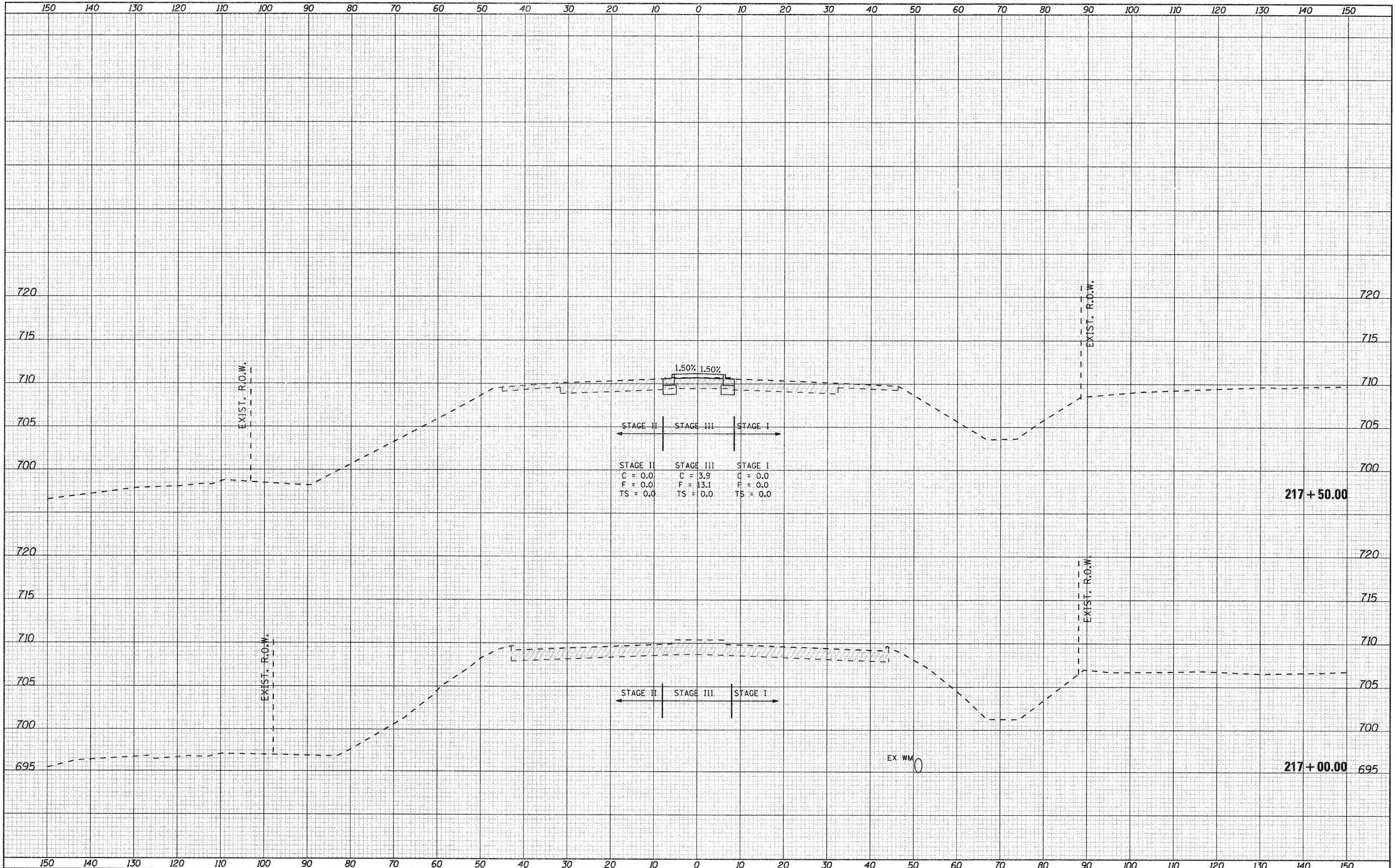
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL 2)
R.R.W.R.D. STANDARD DETAIL SHEET

SCALE: N/A | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	356
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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



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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 217+00.00 TO STA. 217+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	357
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

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

BY	DATE

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

BY	DATE

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

720 715 710 705 700

EXIST. R.O.W.

1.50% 1.50%

STAGE II | STAGE III | STAGE I

STAGE II	STAGE III	STAGE I
C = 0.0	C = 3.4	C = 0.0
F = 0.0	F = 13.8	F = 0.0
TS = 0.0	TS = 0.0	TS = 0.0

218+50.00

EXIST. R.O.W.

1.50% 1.50%

STAGE II | STAGE III | STAGE I

STAGE II	STAGE III	STAGE I
C = 0.0	C = 3.9	C = 0.0
F = 0.0	F = 12.1	F = 0.0
TS = 0.0	TS = 0.0	TS = 0.0

218+00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 218+00.00 TO STA. 218+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	358
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

720 715 710 705 700

EXIST. R.O.W.

AQUAMARINE DRIVE INTERSECTION

EXIST. R.O.W.

PR. TEMP. EASE.

STAGE II | STAGE III | STAGE I

EX 18" 707.66

EX WM

P CUL 24" INV 707.92

STAGE II	STAGE III	STAGE I
C = 25.4	C = 0.0	C = 22.5
F = 0.0	F = 0.0	F = 0.0
TS = 25.4	TS = 0.0	TS = 0.0

219 + 09.20

720 715 710 705 700

EXIST. R.O.W.

AQUAMARINE DRIVE INTERSECTION

EXIST. R.O.W.

PR. TEMP. EASE.

STAGE II | STAGE III | STAGE I

EX 18" 707.54

EX WM

P CUL 24" INV 707.88

STAGE II	STAGE III	STAGE I
C = 25.7	C = 0.0	C = 21.9
F = 0.0	F = 0.0	F = 0.0
TS = 25.7	TS = 0.0	TS = 0.0

219 + 00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 219+00.00 TO STA. 219+09.20

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	359
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

725 720 715 710 705 700

EXIST. R.O.W.

699.54

1:4

1:50

713.32

-2.00%

713.80

-1.5 %

713.97

713.80

-2.00%

713.32

1:50

1:5

1:3

708.60

712.04

EXIST. R.O.W.

S. MAIN STREET

PR. TEMP. EASE.

STAGE II | STAGE III | STAGE I

STAGE II	STAGE III	STAGE I
C = 37.7	C = 27.7	C = 104.8
F = 232.9	F = 0.0	F = 0.7
TS = 35.6	TS = 0.0	TS = 22.1

EX WM

SPECIAL DITCH RT.
STA. 219+60 TO STA. 222+93
EL 708.12 TO 712.15
SLOPE = -1.21%

220 + 00.00

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

725 720 715 710 705 700

EXIST. R.O.W.

699.05

1:4

1:50

712.70

-2.00%

713.18

-1.5 %

713.35

713.18

-2.00%

712.70

1:50

VAR

711.43

EXIST. R.O.W.

S. MAIN STREET

PR. TEMP. EASE.

STAGE II | STAGE III | STAGE I

STAGE II	STAGE III	STAGE I
C = 16.5	C = 27.4	C = 16.8
F = 230.3	F = 0.0	F = 1.2
TS = 21.1	TS = 0.0	TS = 20.6

EX WM

P CUL 24" INV 708.09

219 + 50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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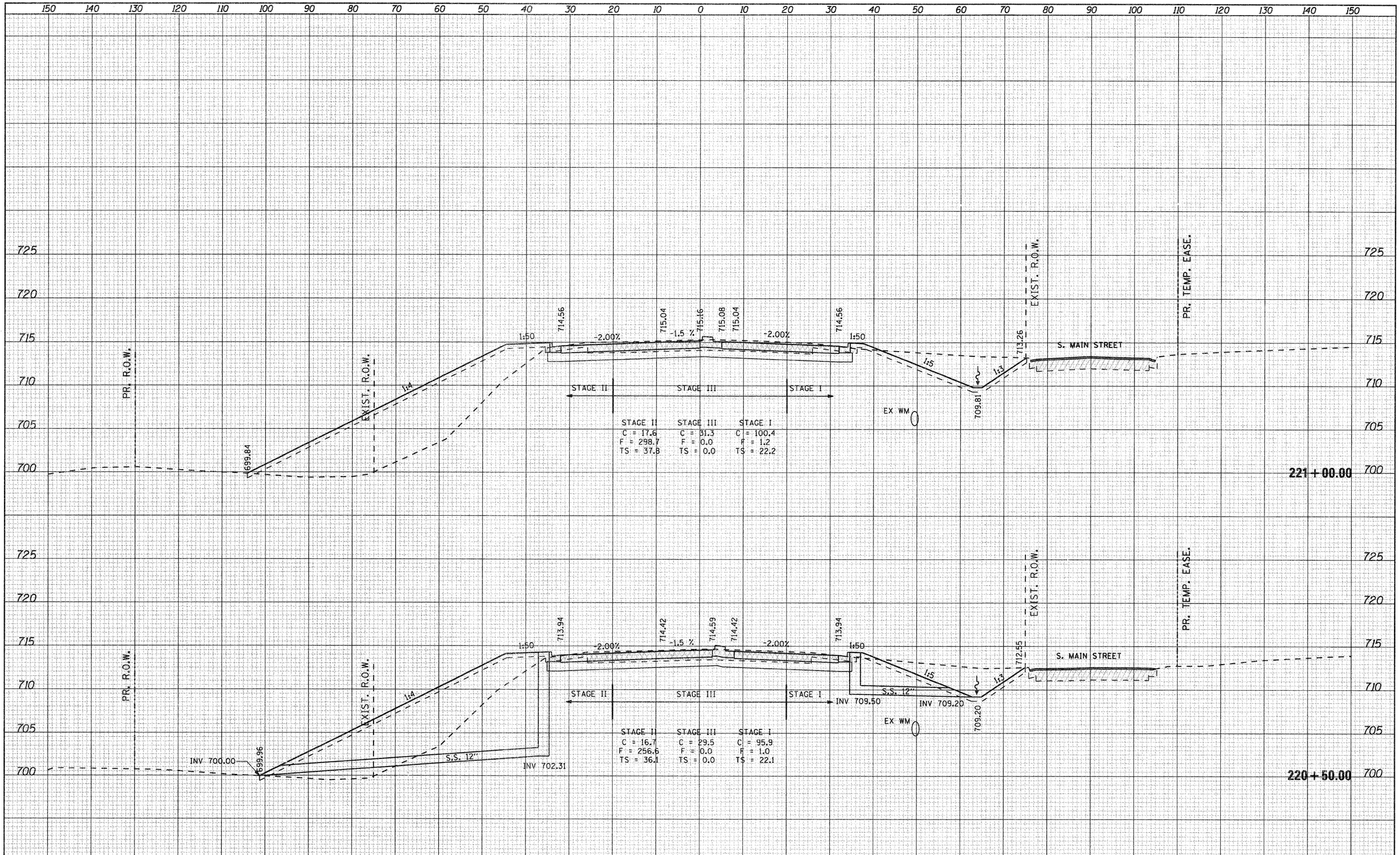
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 219+50.00 TO STA. 220+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	360
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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



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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

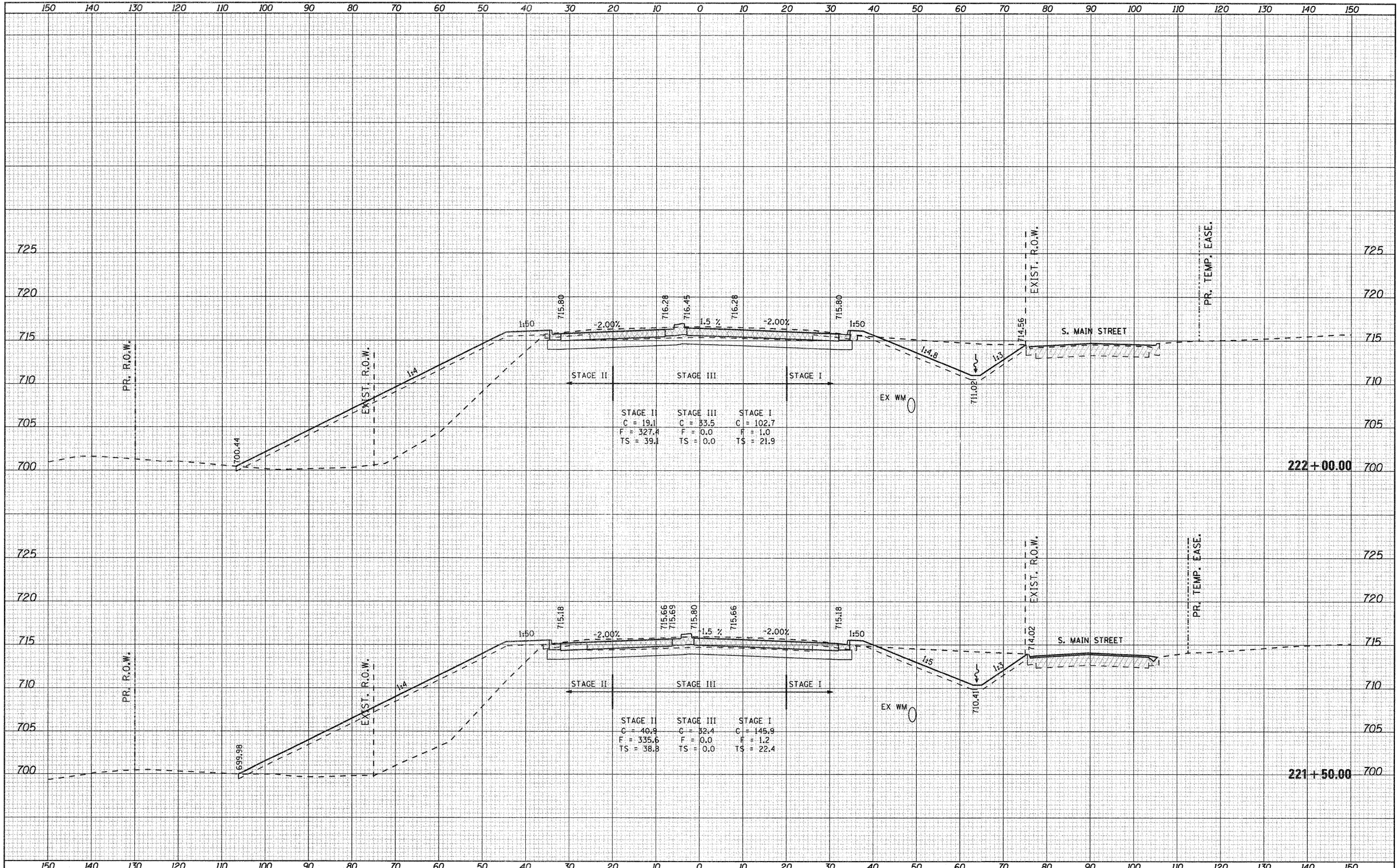
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 220+50.00 TO STA. 221+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	361
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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



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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

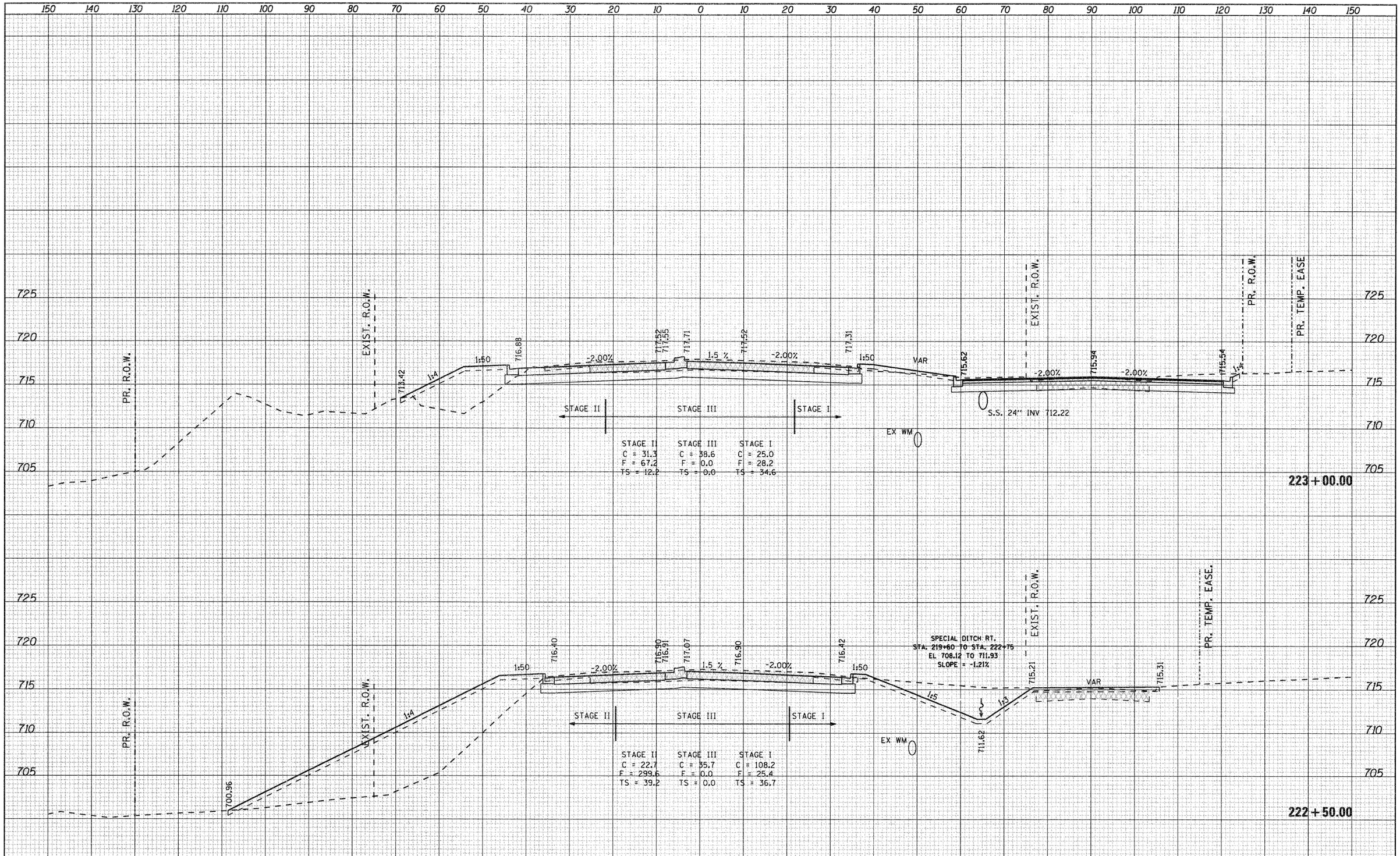
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 221+50.00 TO STA. 222+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	362
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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



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

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		DRAWN -	REVISED -
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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

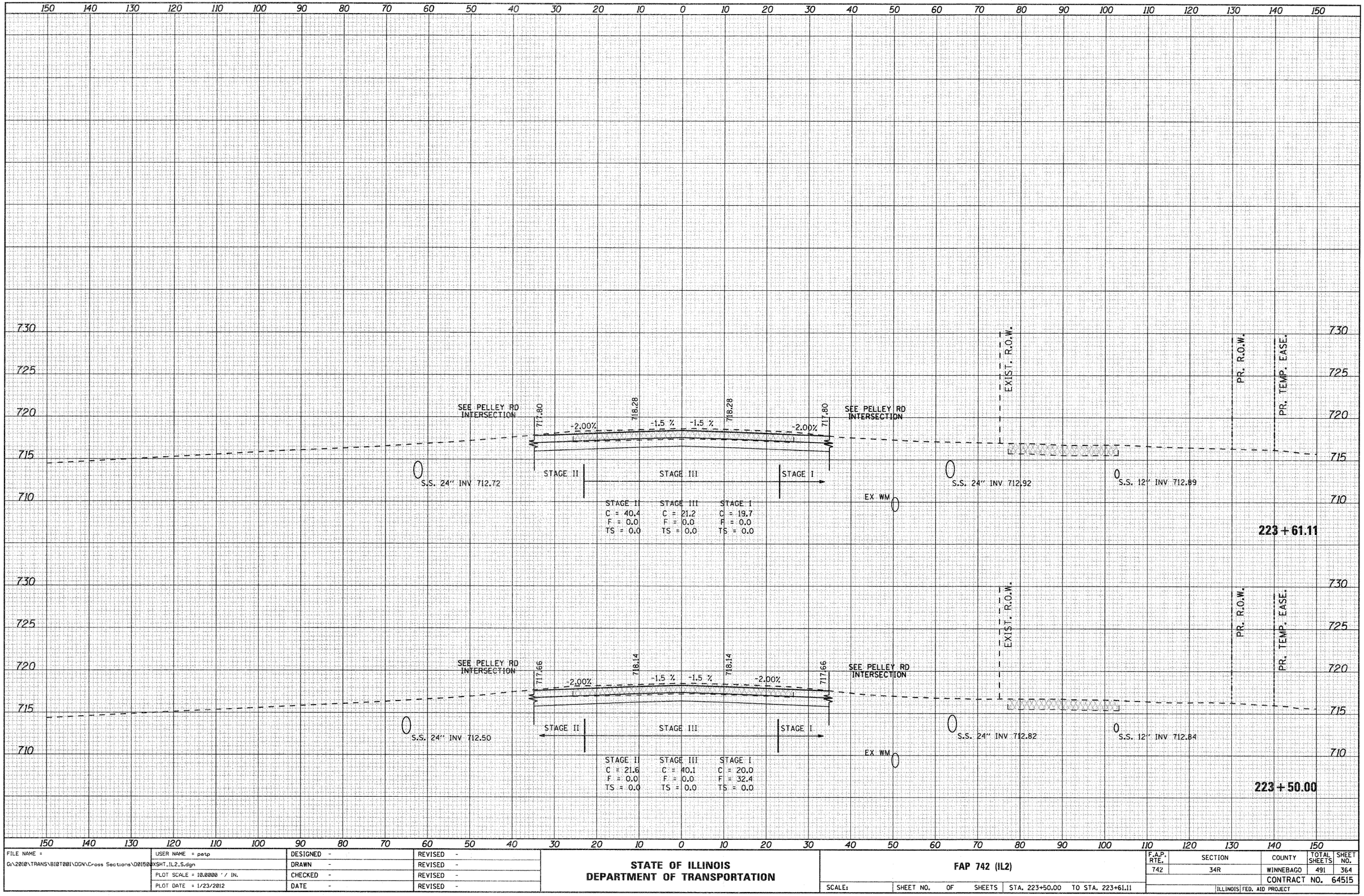
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 222+50.00 TO STA. 223+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	363
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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

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



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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

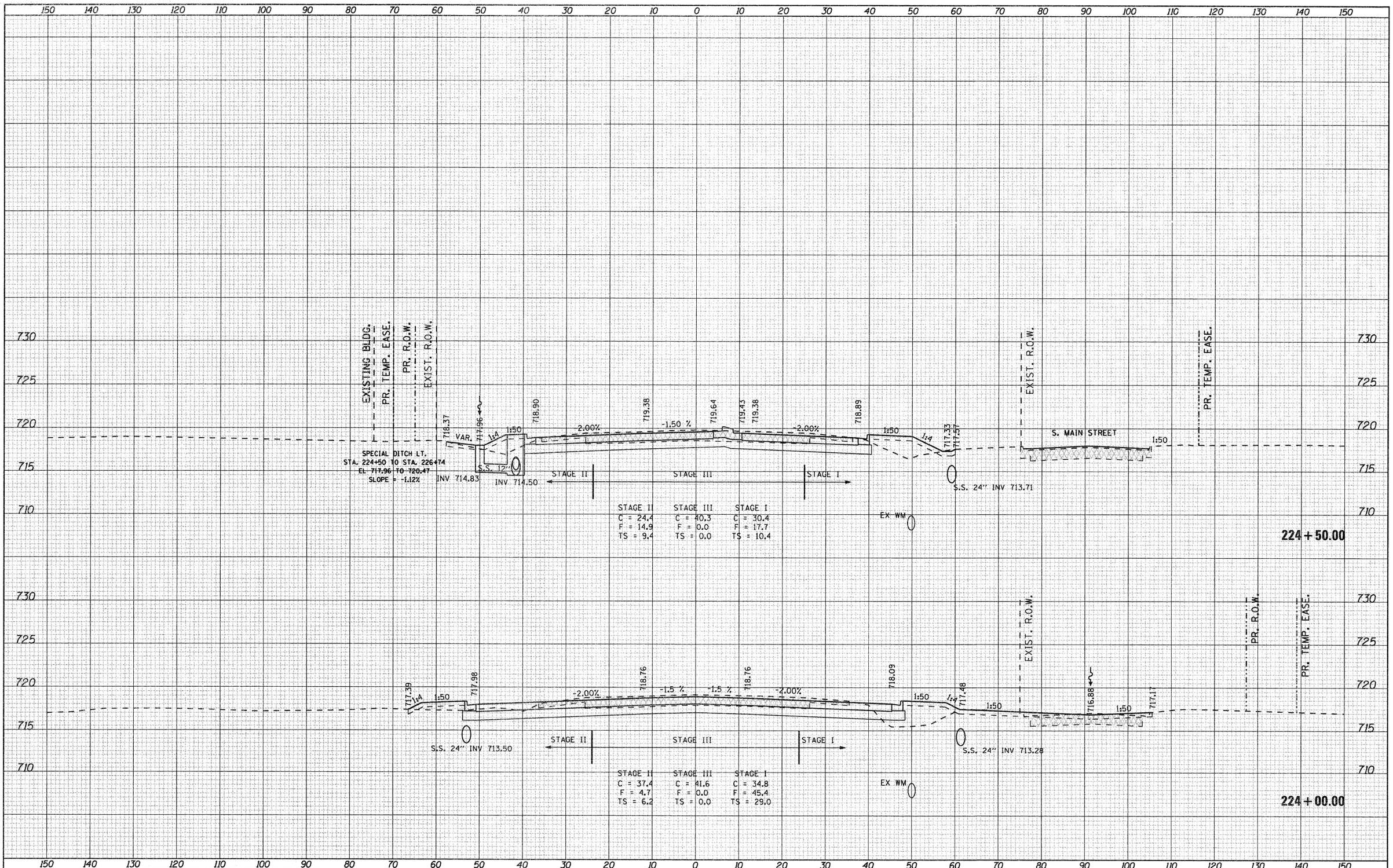
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 223+50.00 TO STA. 223+61.11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	364
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
DRAWN		
TRACED		
AREAS		
AREAS CHECKED		



ORIGINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
DRAWN		
TRACED		
AREAS		
AREAS CHECKED		

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

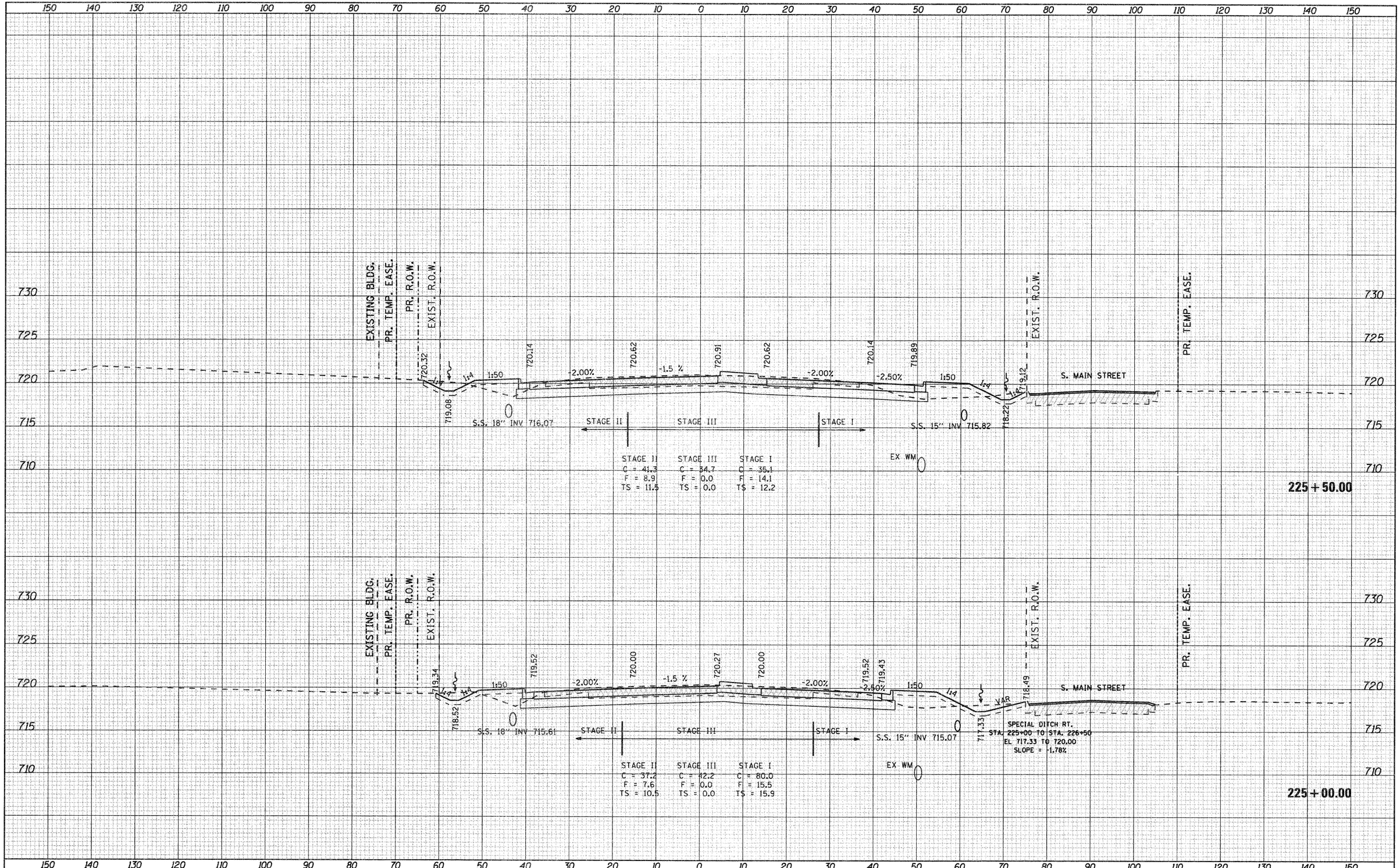
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 224+00.00 TO STA. 224+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	365
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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



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

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		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

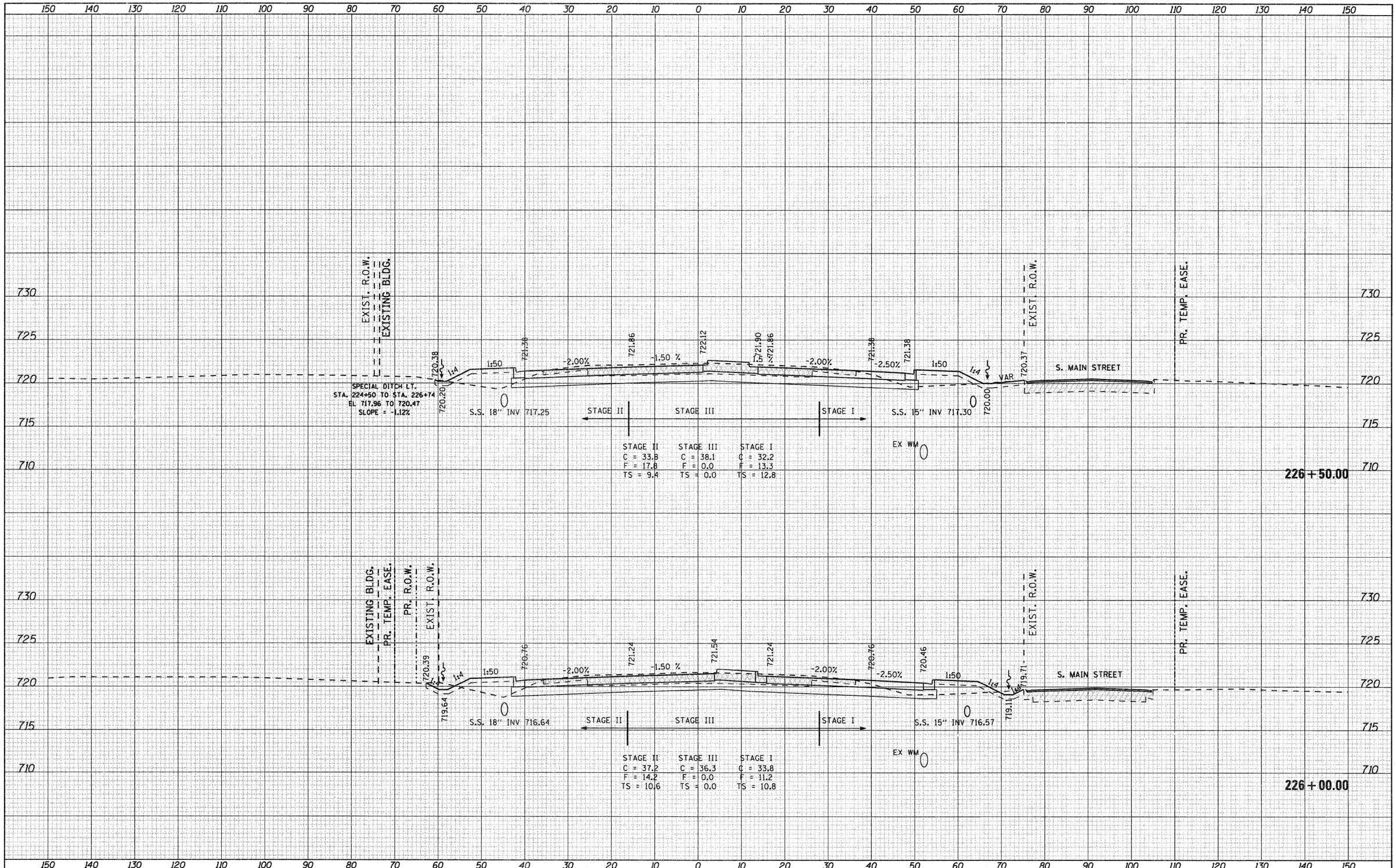
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 225+00.00 TO STA. 225+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	366
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TOPOGRAPHY		
AREAS		
AREAS CHECKED		

BY	DATE



ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TOPOGRAPHY		
AREAS		
AREAS CHECKED		

BY	DATE

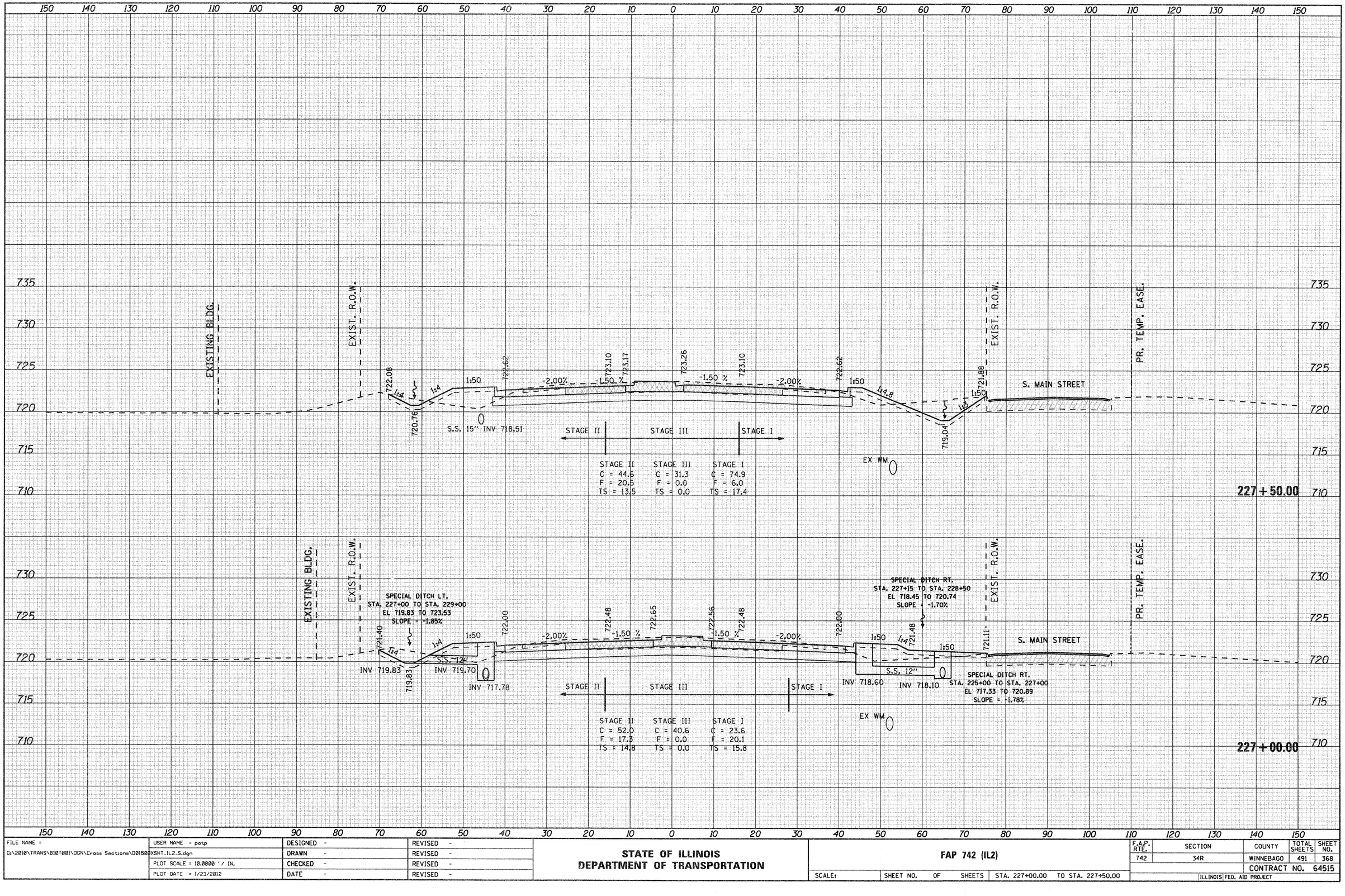
FILE NAME = G:\2010\TRANS\B10T001\DGN\Cross Sections\D0150XSHT_IL2_S.dgn	USER NAME = patp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 226+00.00 TO STA. 226+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	367
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		



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

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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

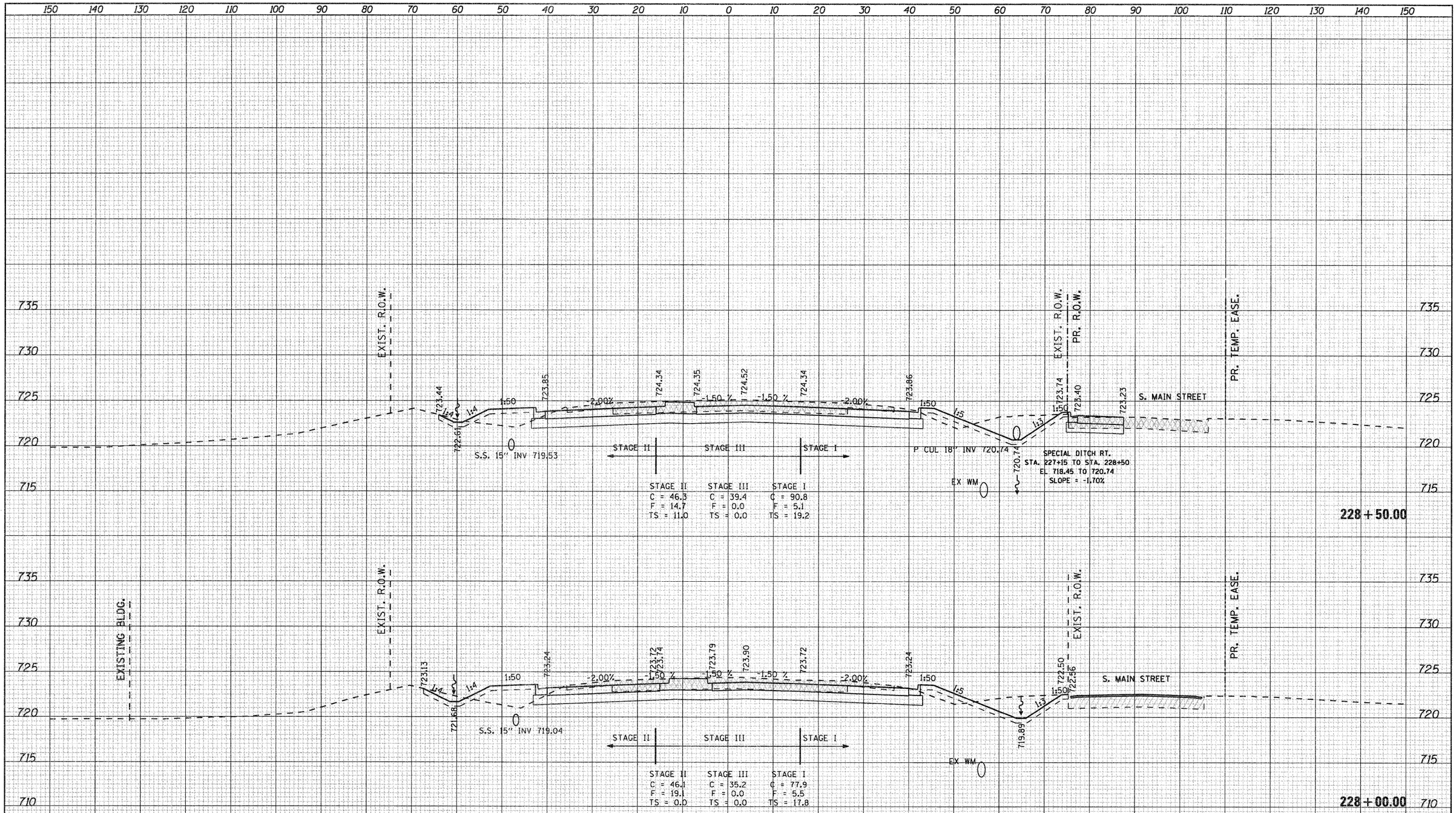
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 227+00.00 TO STA. 227+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	368
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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



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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

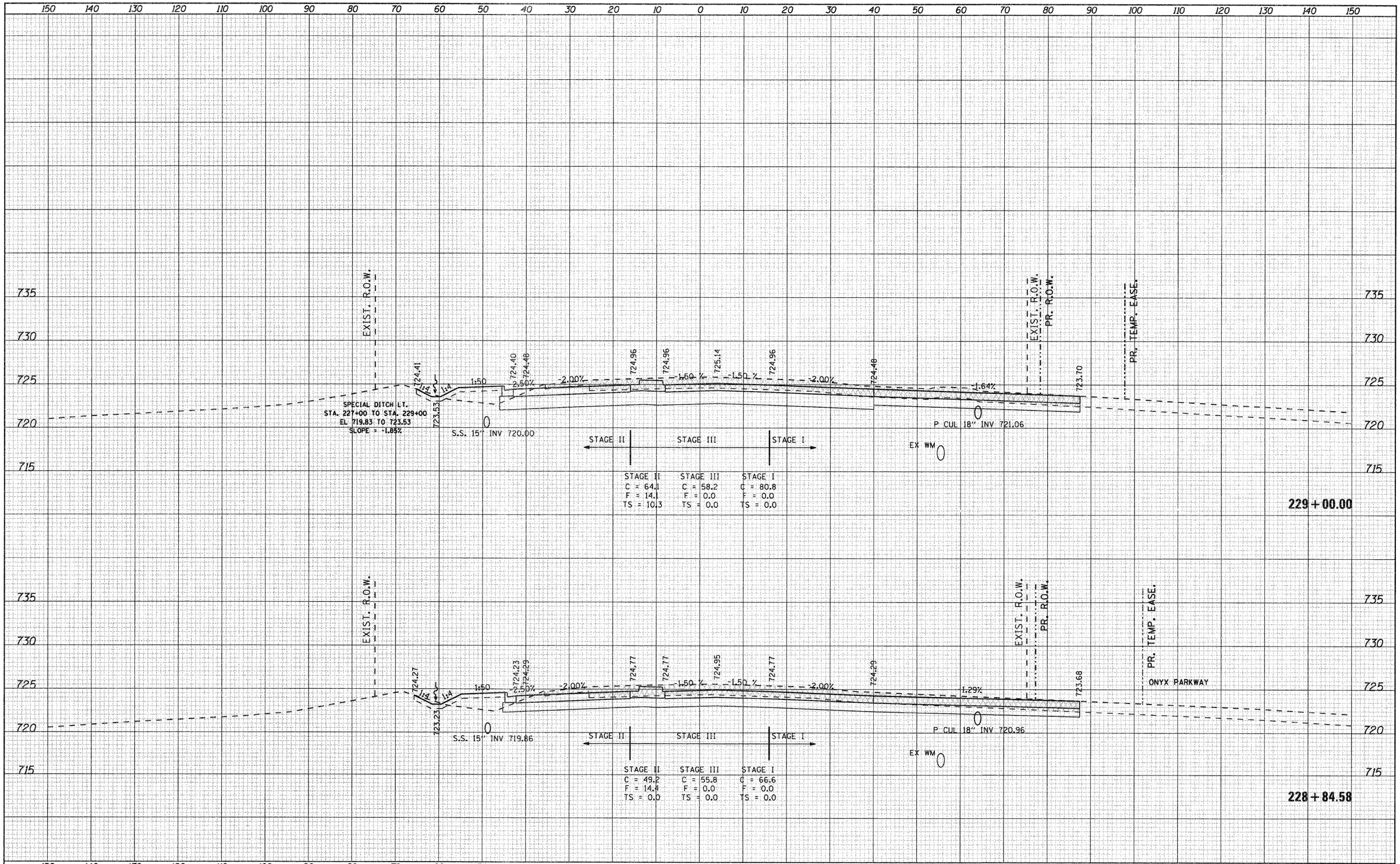
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 228+00.00 TO STA. 228+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	369
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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



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

FILE NAME = G:\2010\TRANS\B10T001\DGN\Cross Sections\D01500XSHT_IL2_S.dgn	USER NAME = patp	DESIGNED -	REVISED -
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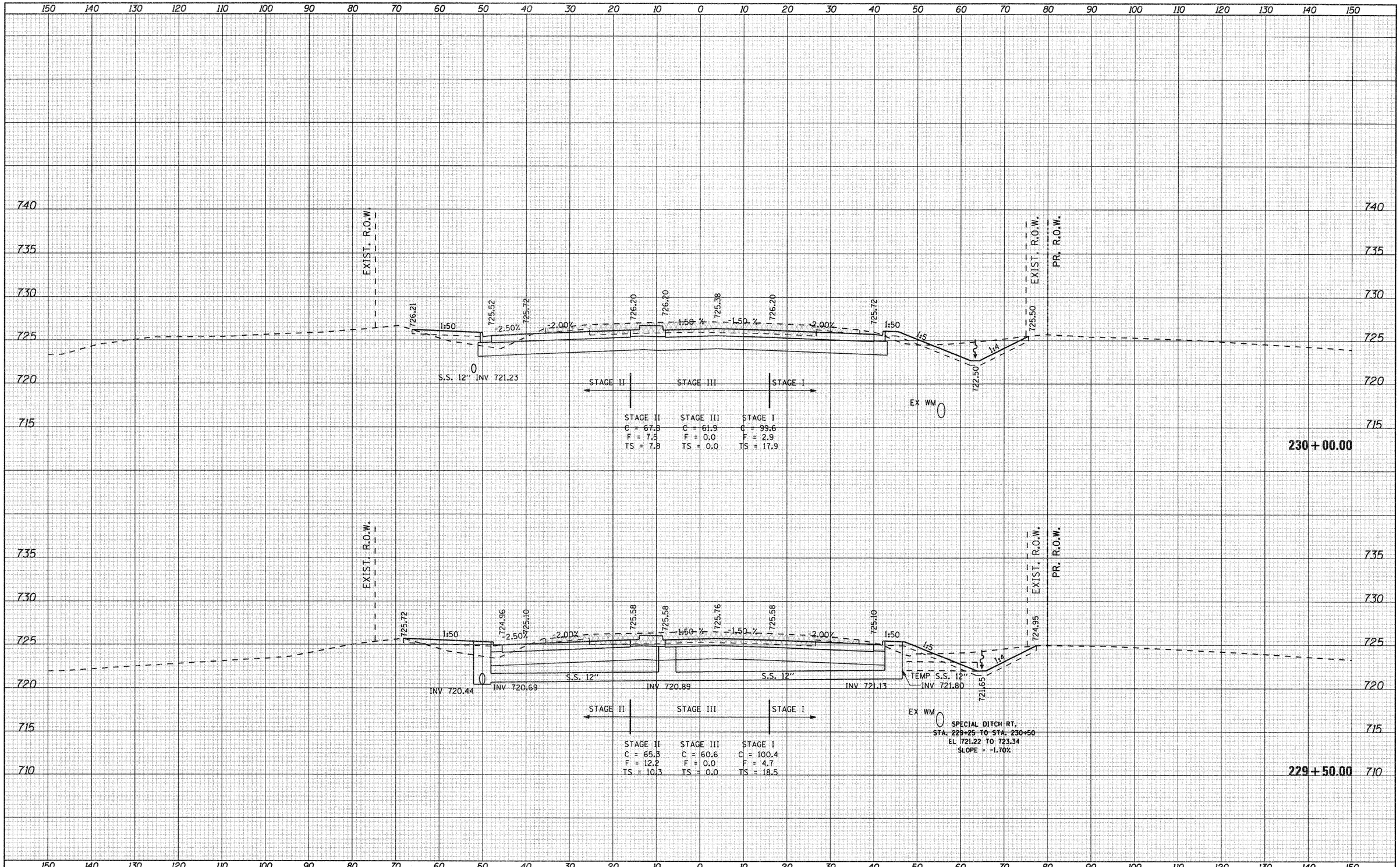
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 228+84.58 TO STA. 229+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	370
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			



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

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

FILE NAME = G:\2010\TRANS\B10T001\DGN\Cross Sections\D01500XSHT_IL2_S.dgn	USER NAME = petp	DESIGNED -	REVISED -
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	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

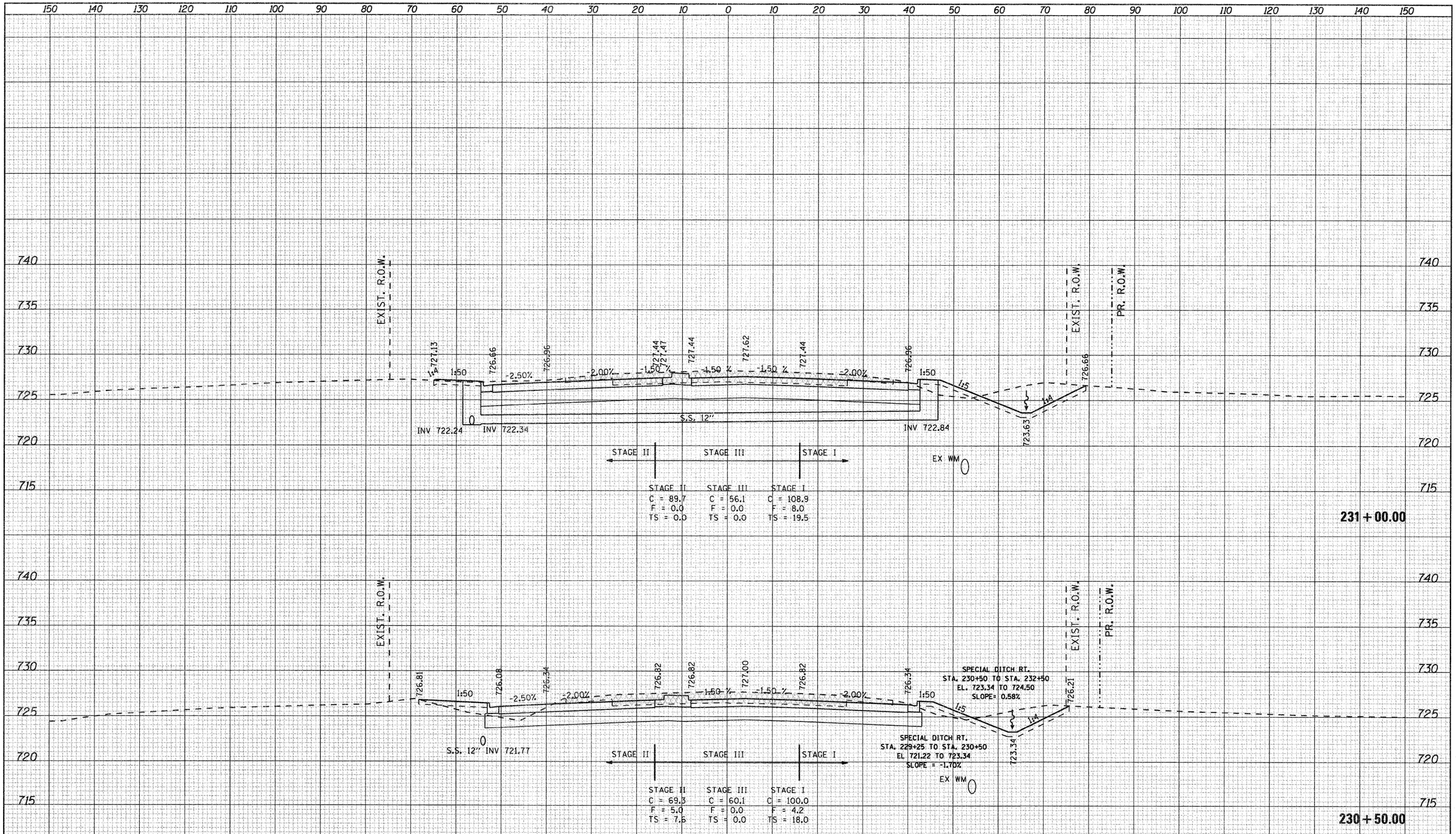
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 229+50.00 TO STA. 230+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	371
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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

BY	DATE



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

BY	DATE

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

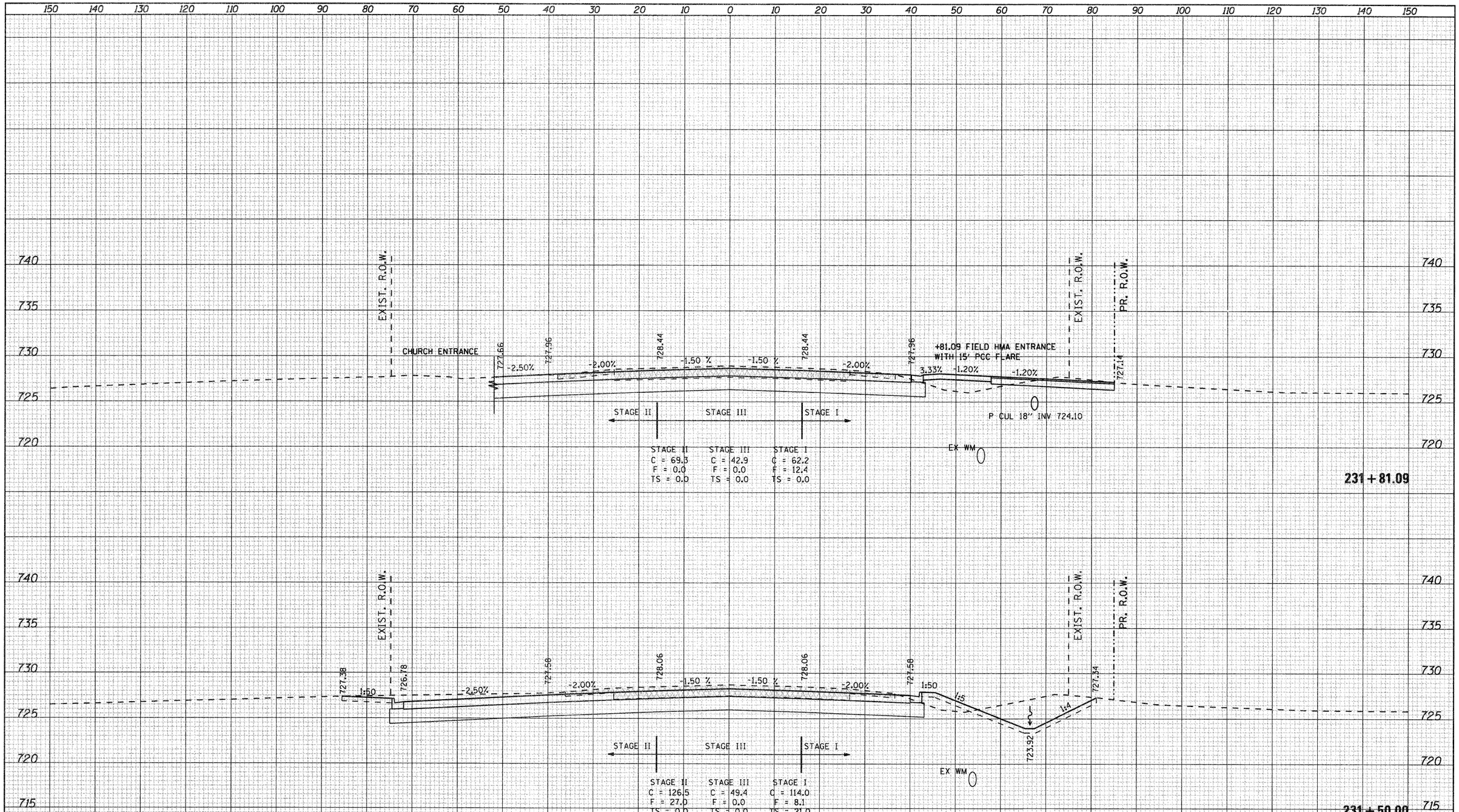
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 230+50.00 TO STA. 231+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	372
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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



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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

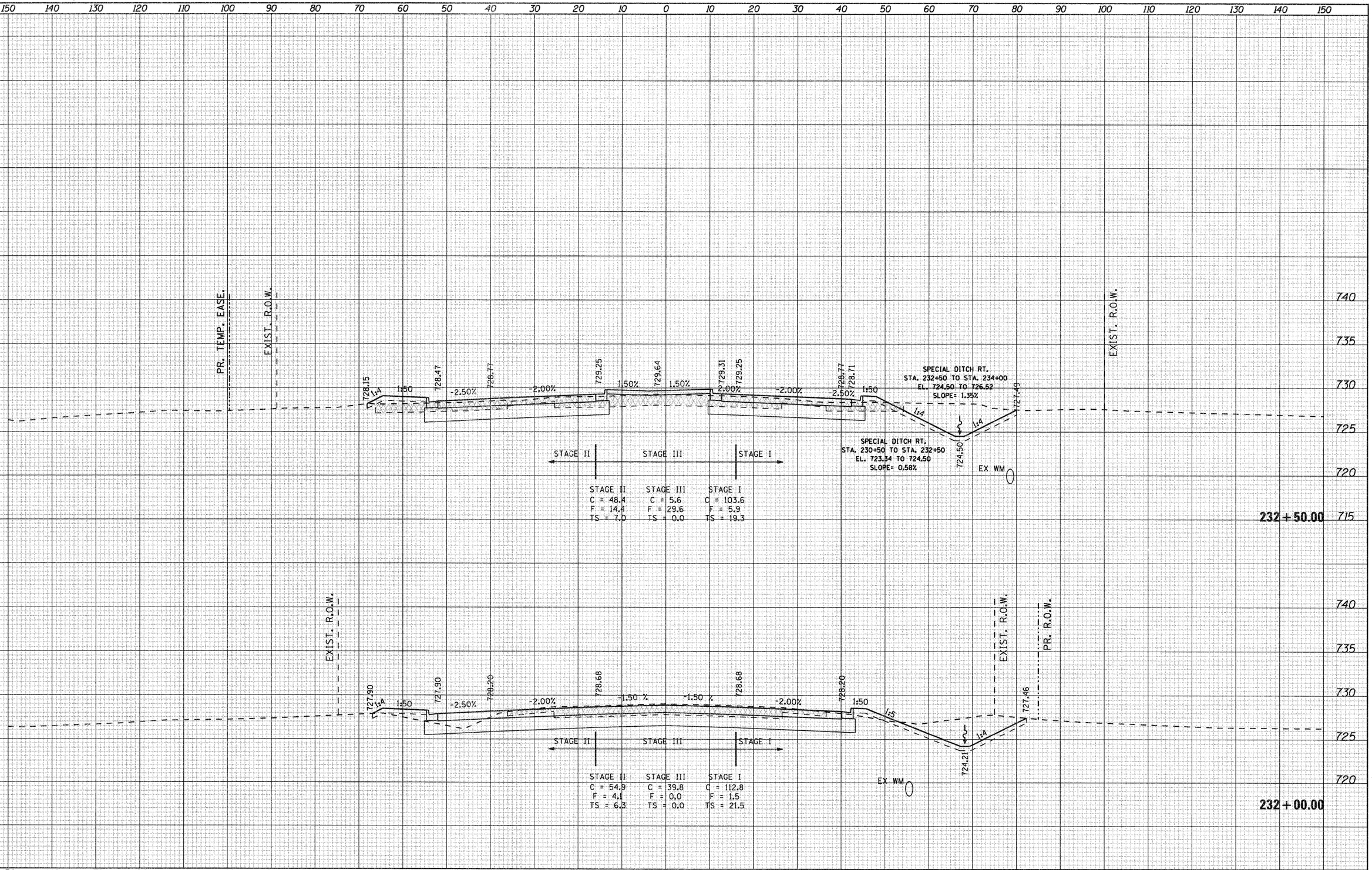
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 231+50.00 TO STA. 231+81.09

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	373
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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



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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

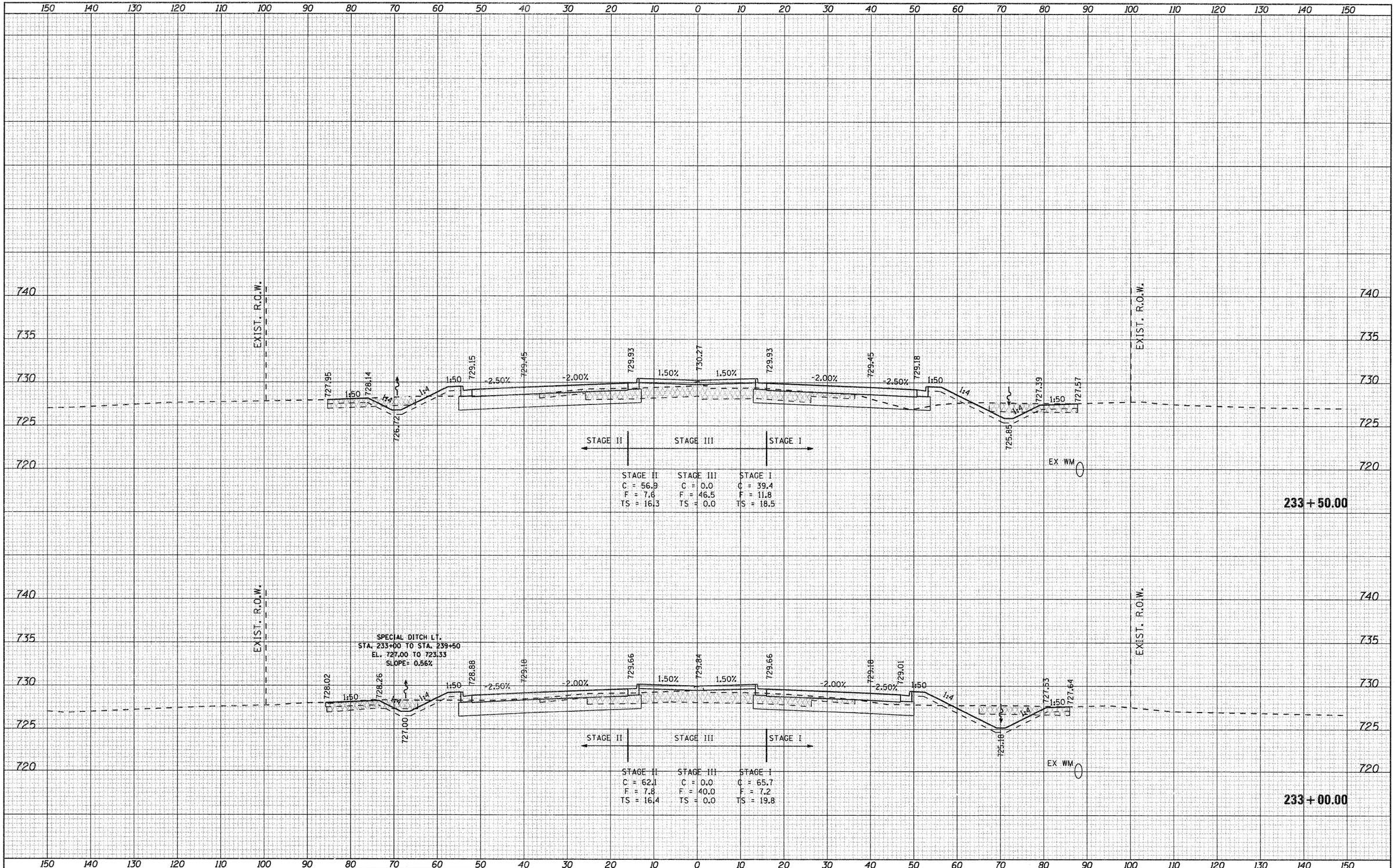
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 232+00.00 TO STA. 232+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	374
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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



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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

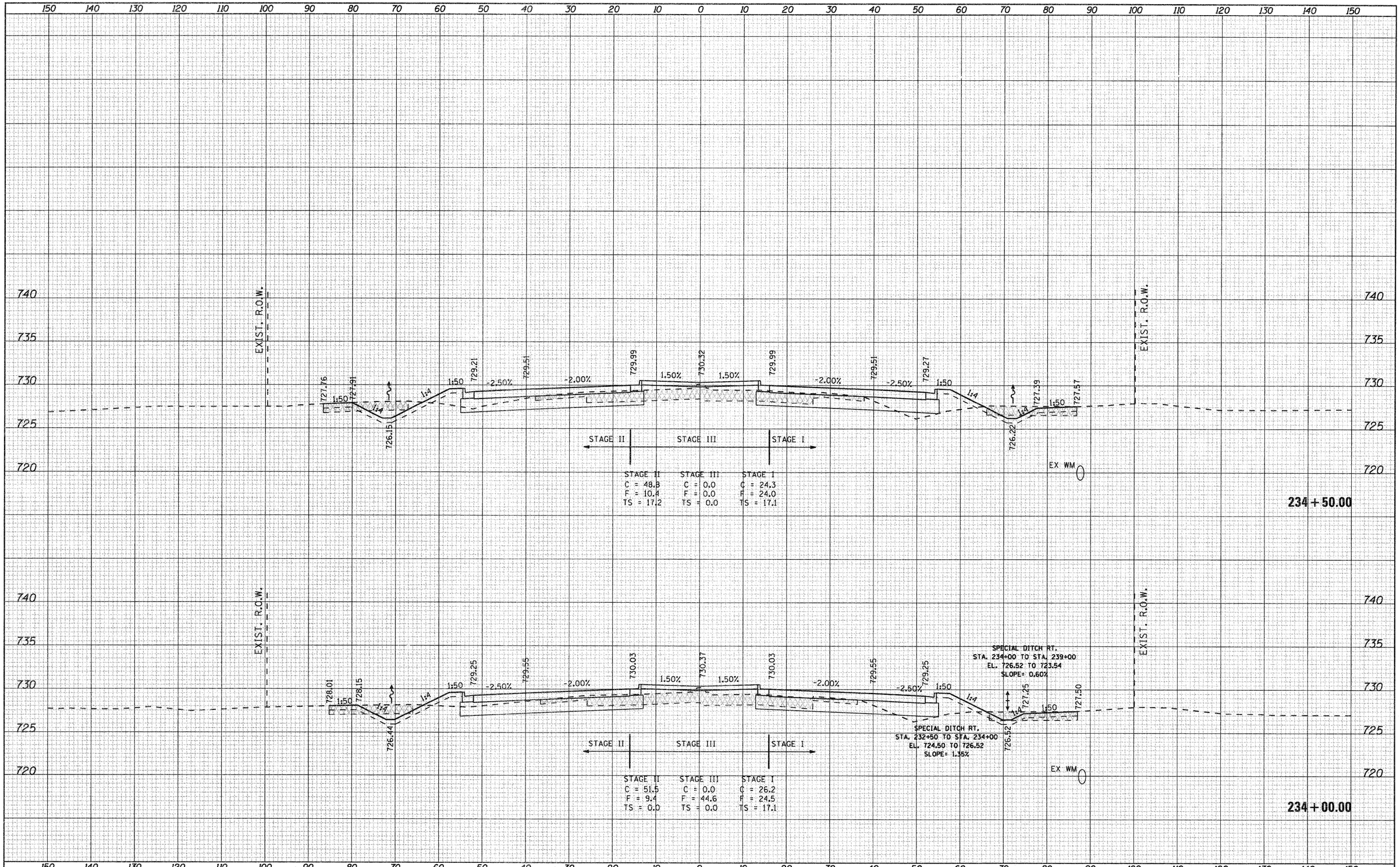
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 233+00.00 TO STA. 233+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	375
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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



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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

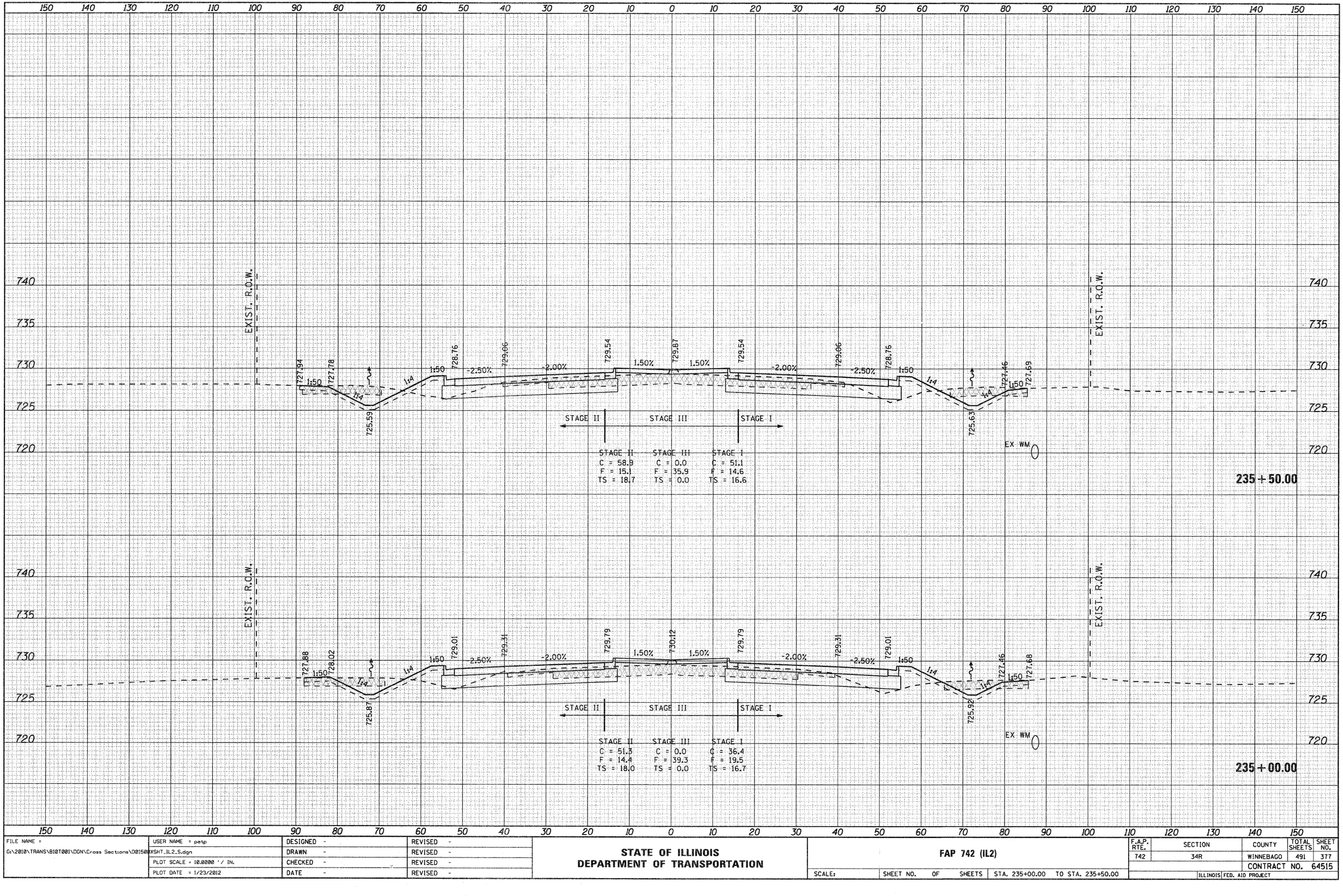
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 234+00.00 TO STA. 234+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	376
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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



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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

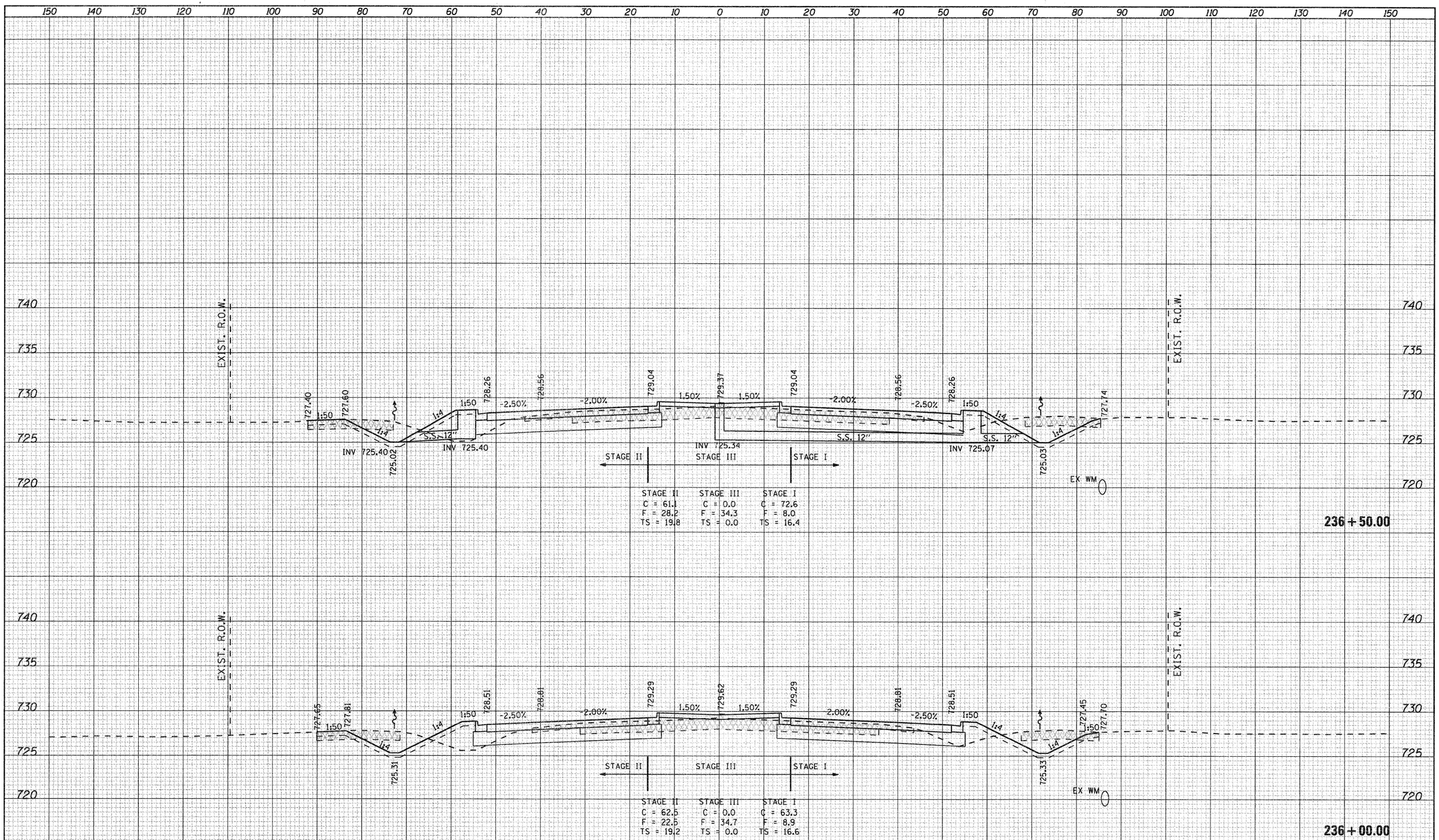
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 235+00.00 TO STA. 235+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	377
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

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



ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED	BY	
PLOTED		
TYPED		
AREAS		
AREAS CHECKED		DATE

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

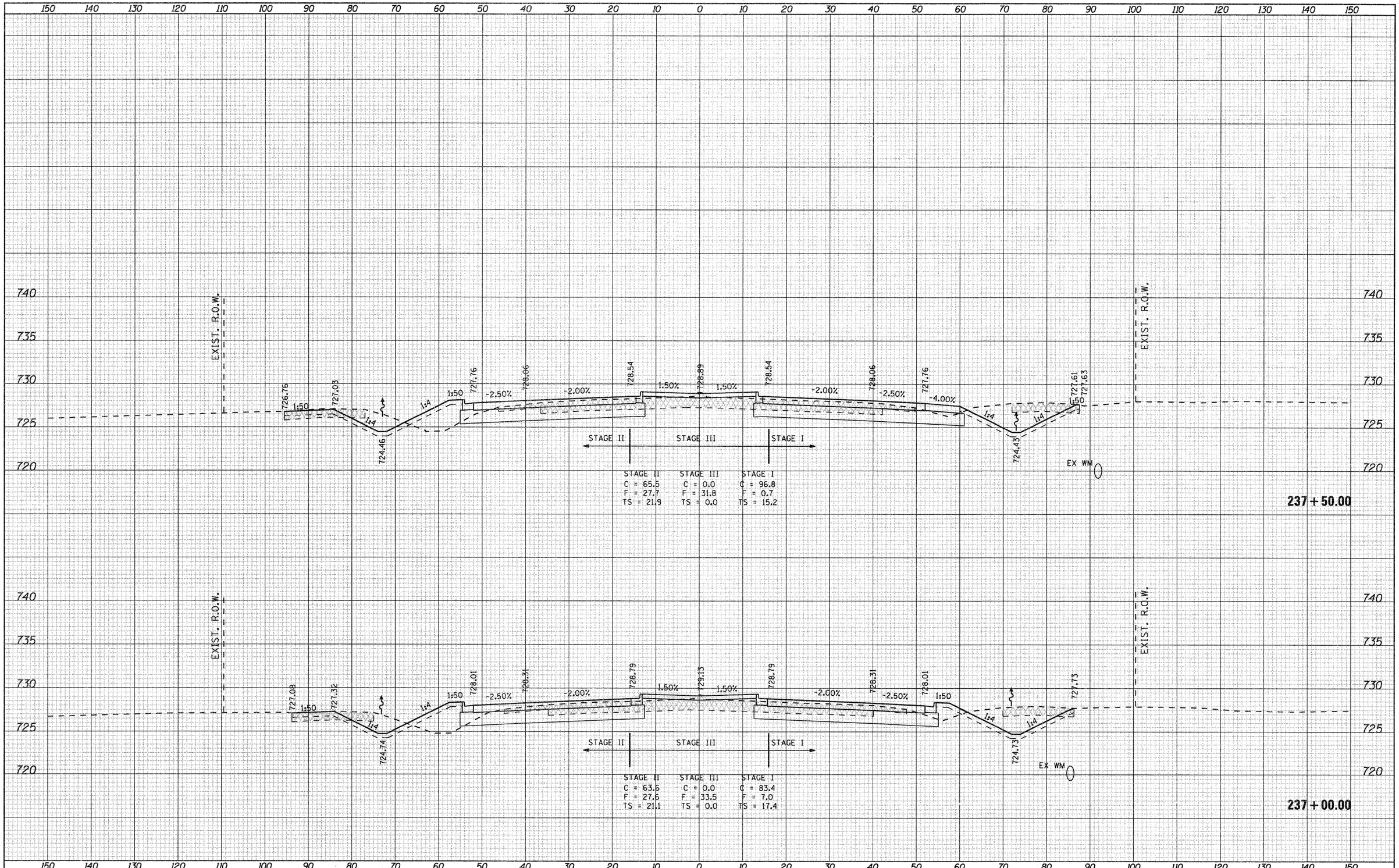
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 236+00.00 TO STA. 236+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	378
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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



STAGE II	STAGE III	STAGE I
C = 65.5	C = 0.0	C = 96.8
F = 27.7	F = 31.8	F = 0.7
TS = 21.9	TS = 0.0	TS = 15.2

STAGE II	STAGE III	STAGE I
C = 63.6	C = 0.0	C = 83.4
F = 27.6	F = 33.5	F = 7.0
TS = 21.1	TS = 0.0	TS = 17.4

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

FILE NAME = G:\2010\TRANS\B10T001\DGN\Cross Sections\D01500XSHT_IL2_S.dgn	USER NAME = patp	DESIGNED -	REVISED -
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	PLOT DATE = 1/23/2012	DATE -	REVISED -

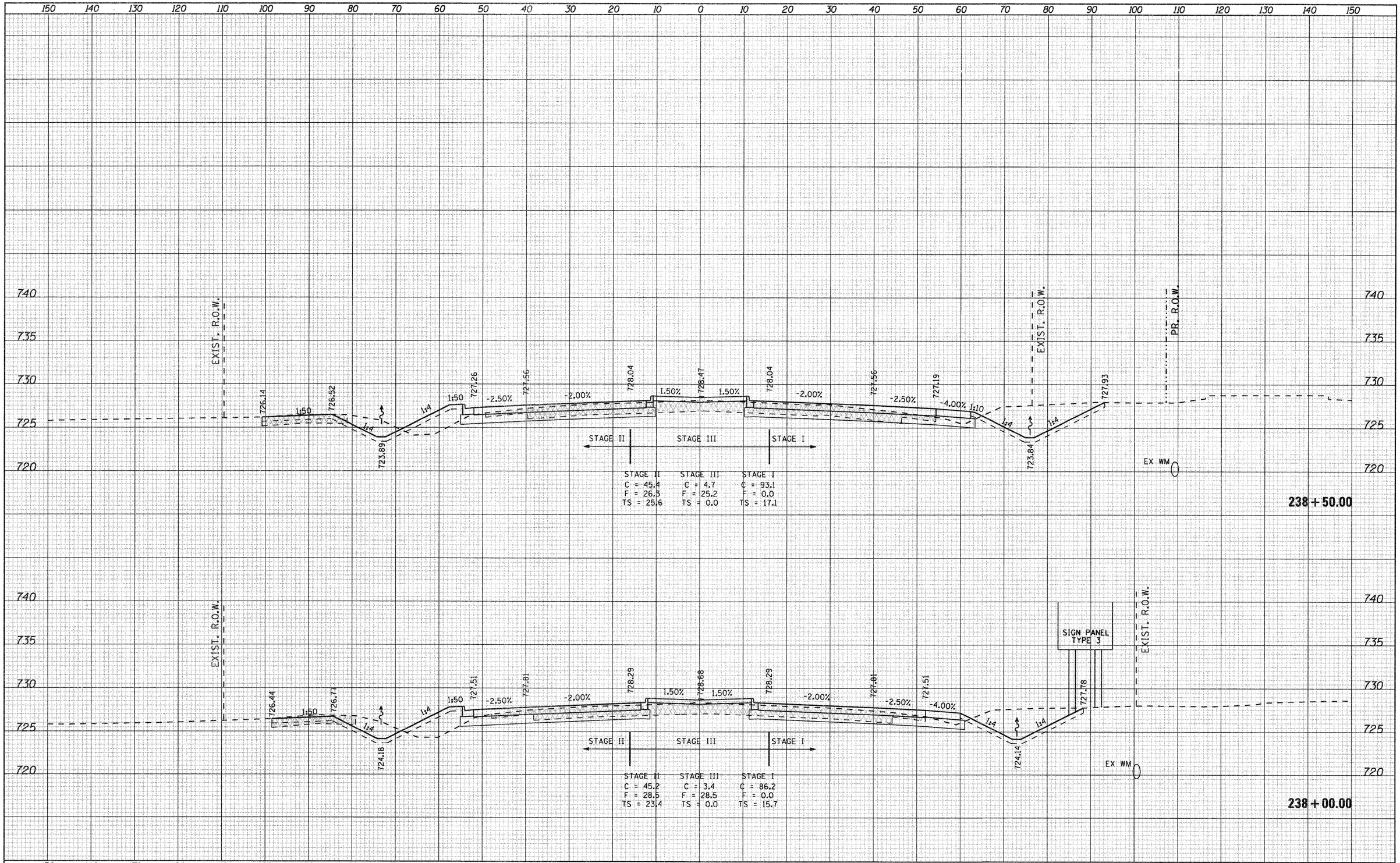
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 237+00.00 TO STA. 237+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	379
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

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



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

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		DRAWN -	REVISED -
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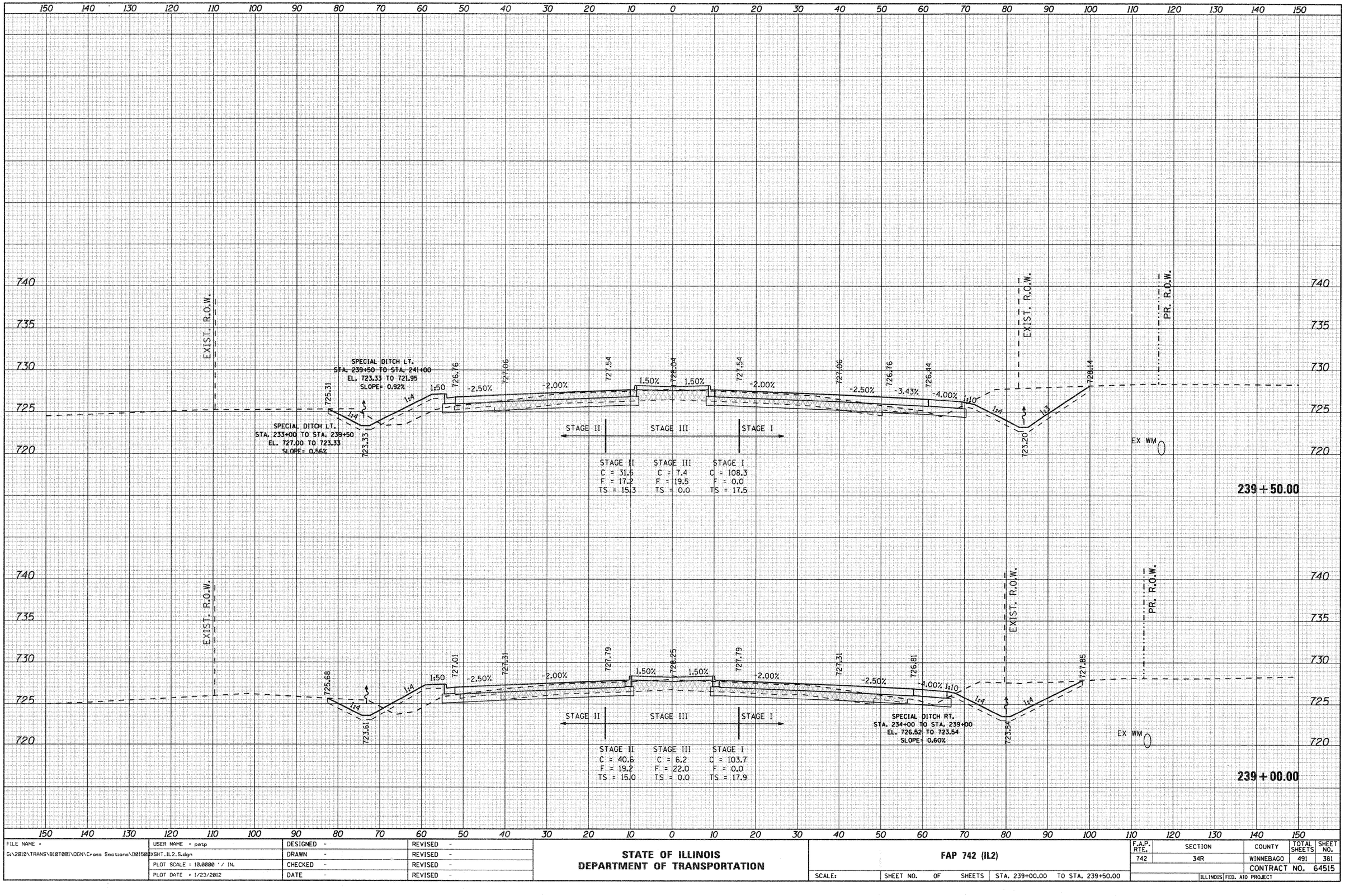
	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 238+00.00 TO STA. 238+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	380
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY	NOTE BOOK	NO.
SURVEYED	PLOTTED	AREAS CHECKED
PLOTTED	TRACED	
TRACED	AREAS	
AREAS		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED	PLOTTED	AREAS CHECKED
PLOTTED	TRACED	
TRACED	AREAS	
AREAS		

BY	DATE

FILE NAME = G:\2010\TRANS\B10T001\DGN\Cross Sections\D01500XSHT_IL2_S.dgn	USER NAME = patp	DESIGNED -	REVISED -
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	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
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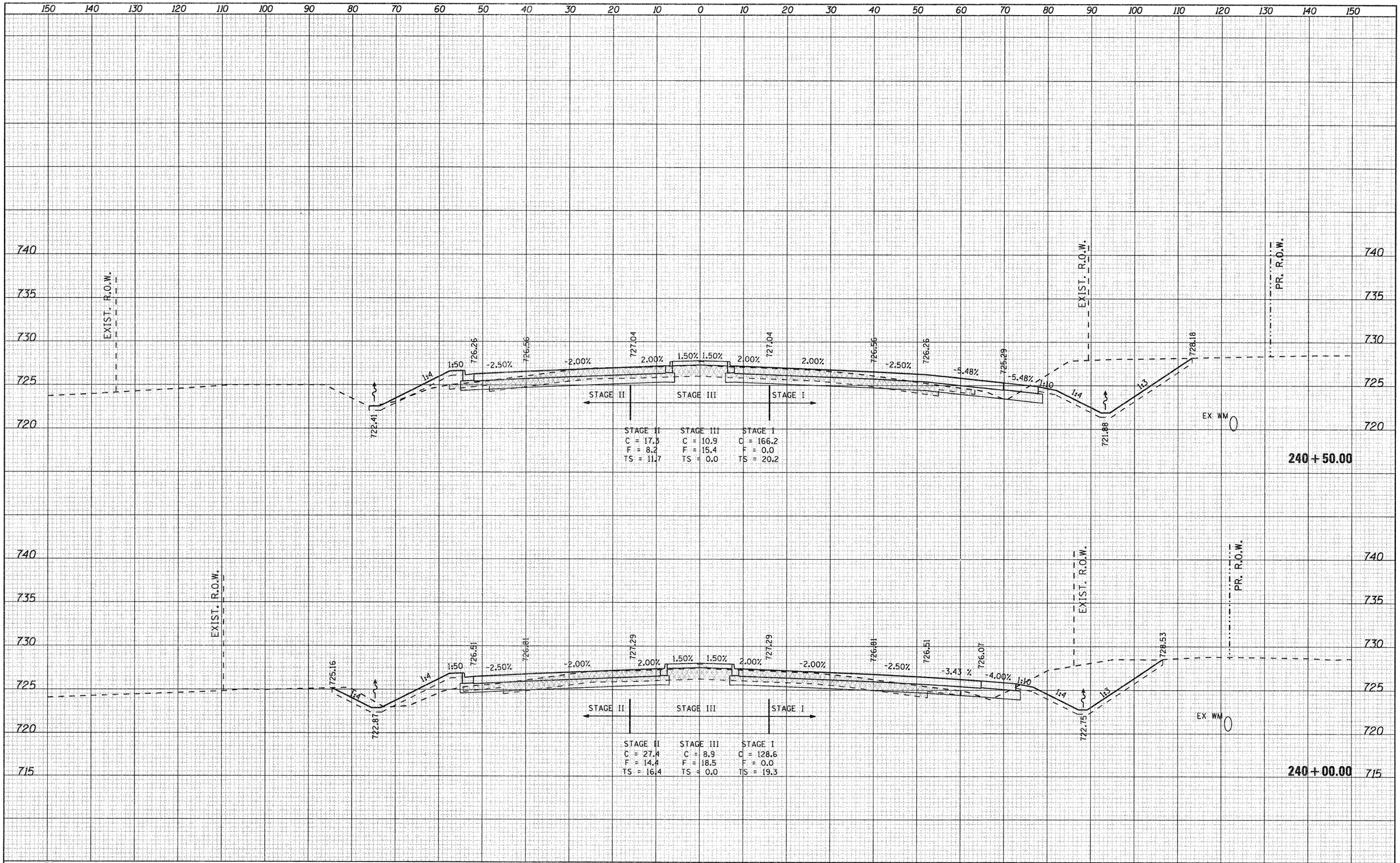
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 239+00.00 TO STA. 239+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	381
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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



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

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		DRAWN -	REVISED -
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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

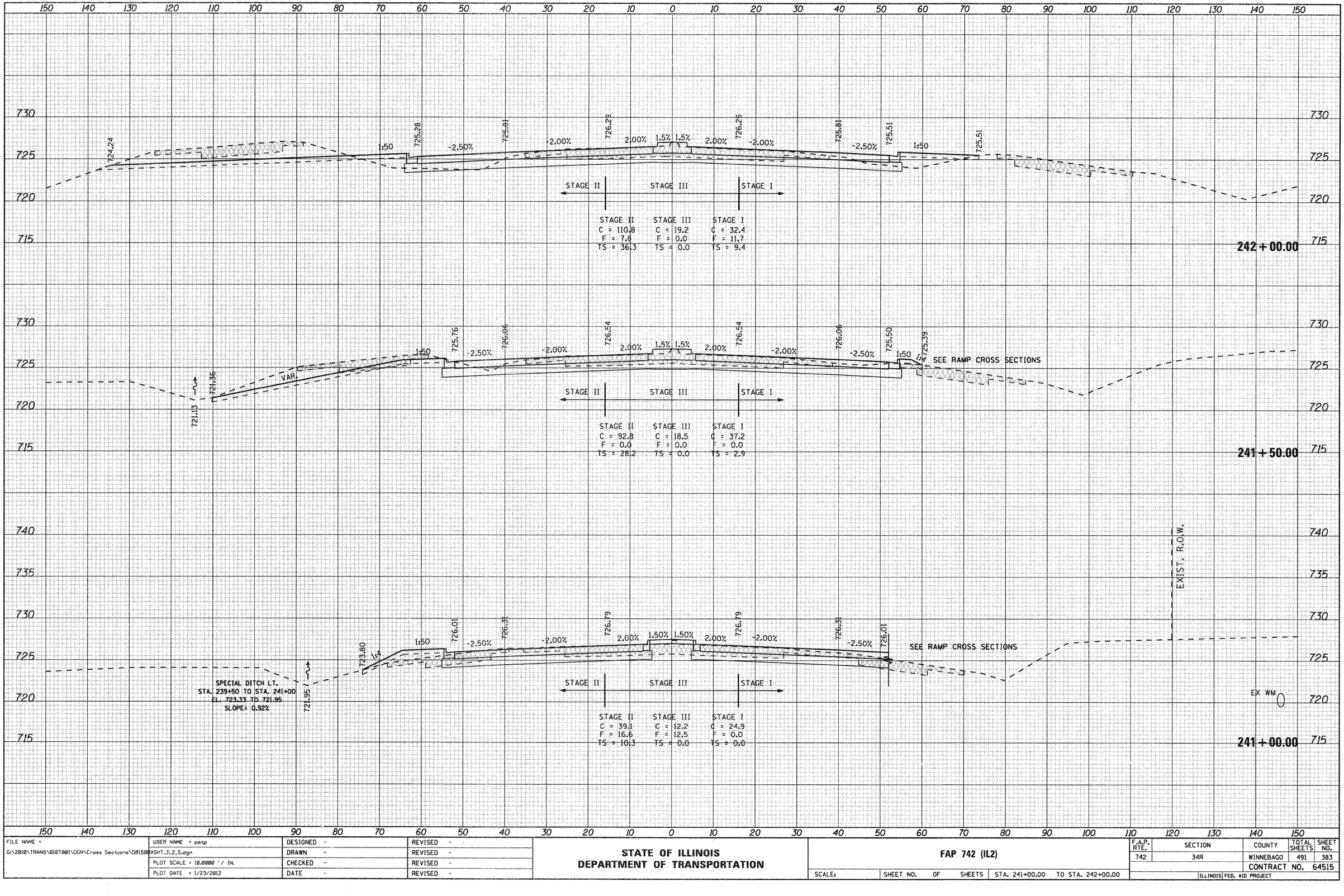
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 240+00.00 TO STA. 240+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	382
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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

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



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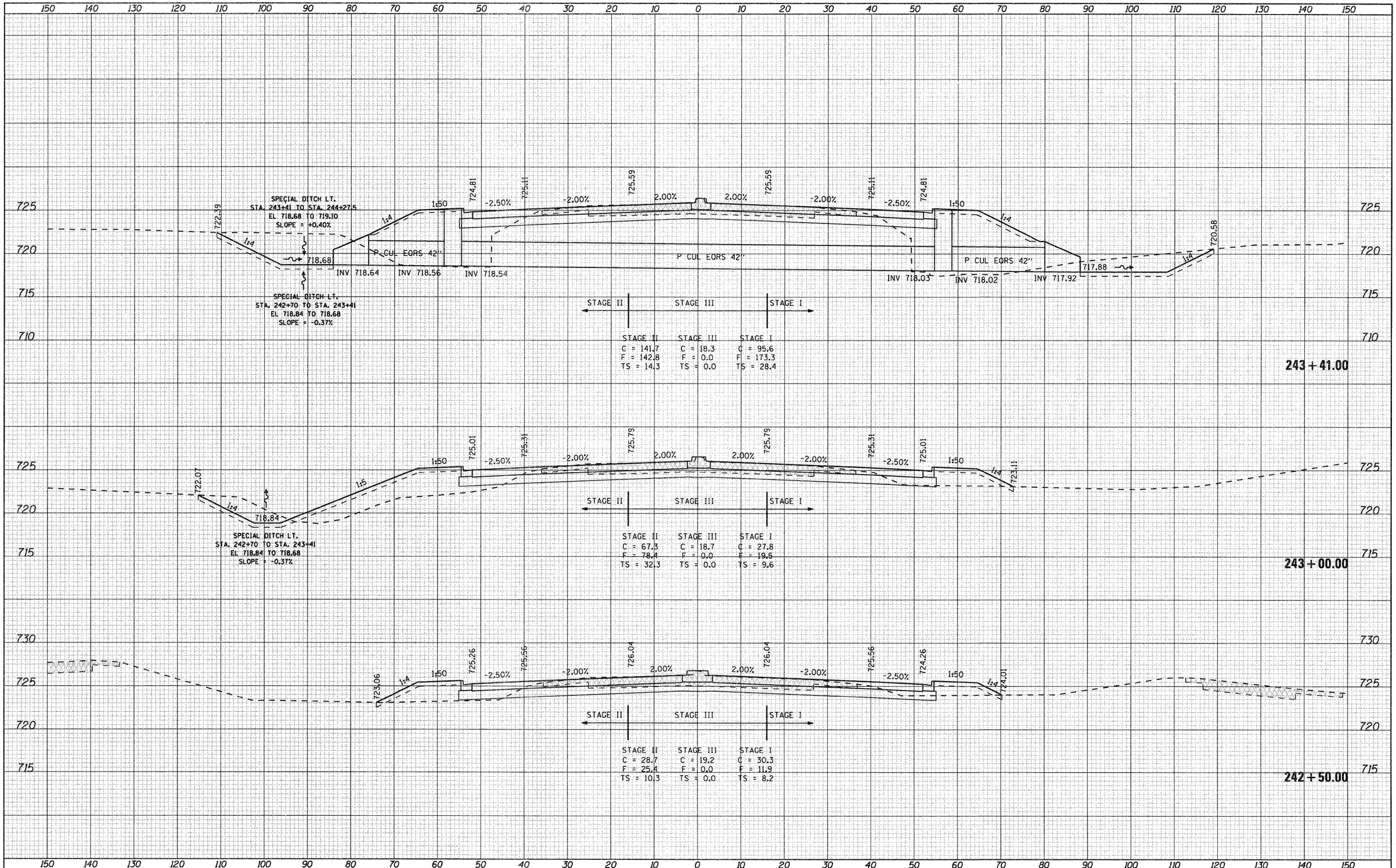
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 241+00.00 TO STA. 242+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	383
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			



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

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

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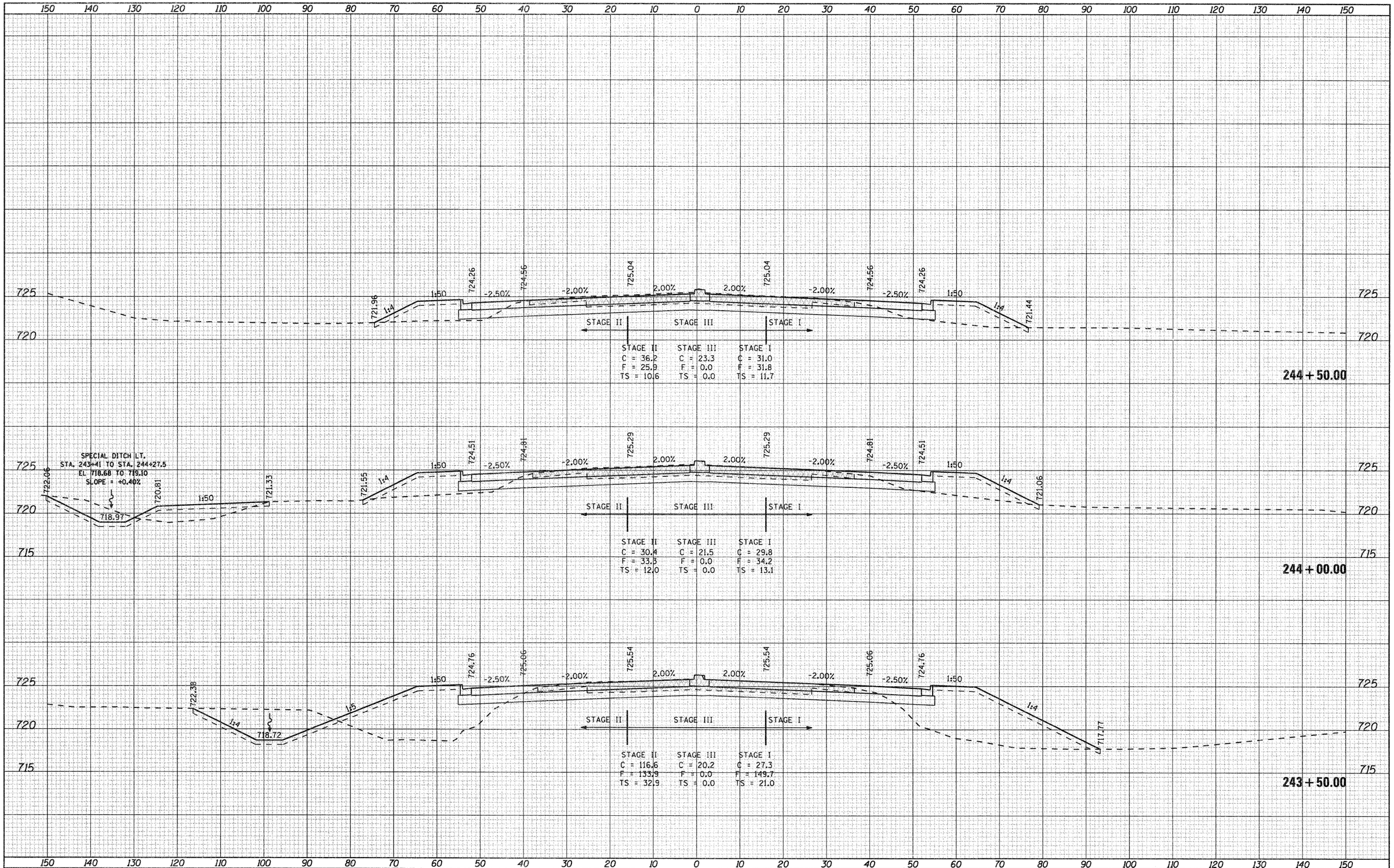
	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 242+50.00 TO STA. 243+41.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	384
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			



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

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

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

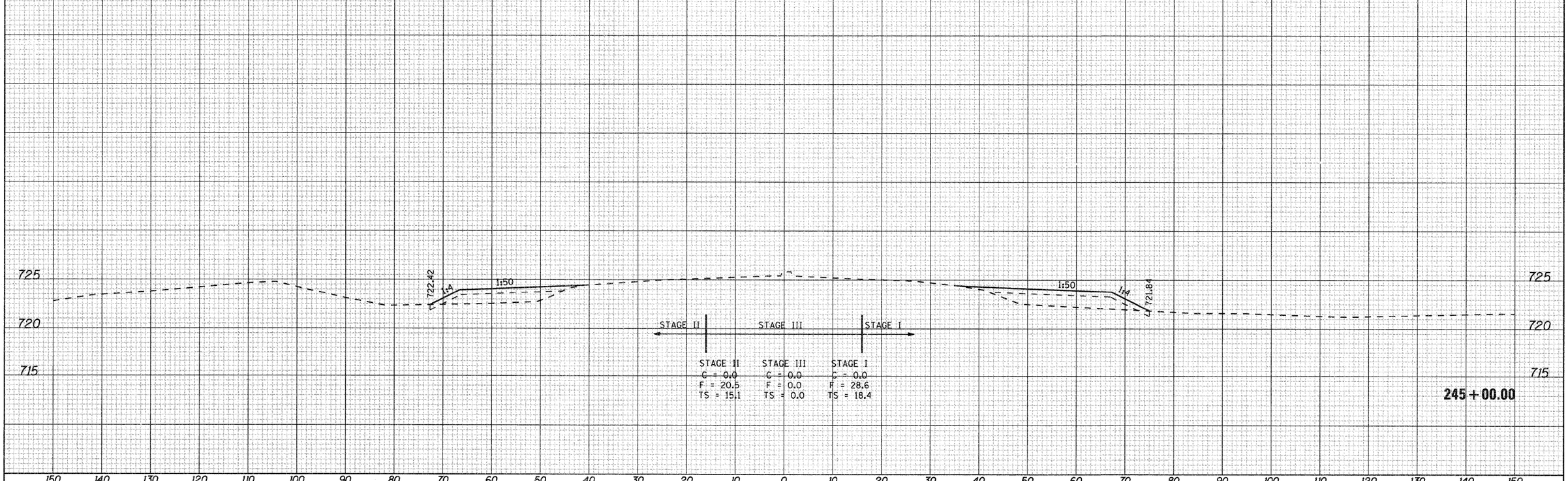
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 243+50.00 TO STA. 244+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	385
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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

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



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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

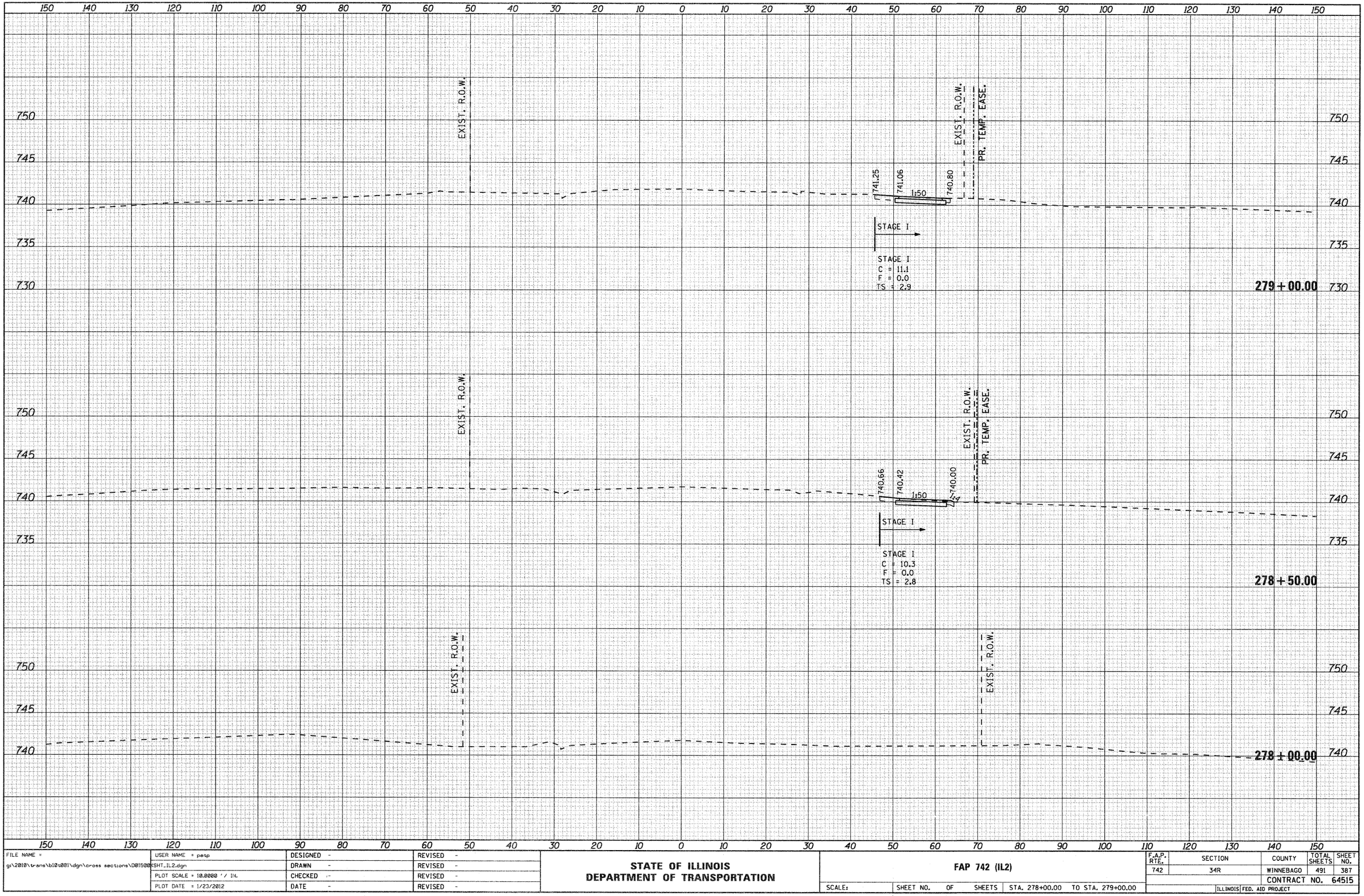
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 245+00.00 TO STA. 245+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	386
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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

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



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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 278+00.00 TO STA. 279+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	387
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TOPSOIL		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TOPSOIL		
AREAS		
AREAS CHECKED		

BY	DATE

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

755 750 745 740 735

EXIST. R.O.W.

741.66 741.71 1:50 744.82

EXIST. R.O.W.

PR. TEMP. EASE.

STAGE I

STAGE I
C = 11.5
F = 0.0
TS = 3.6

279+50.00

EXIST. R.O.W.

+21 PRIVATE PCC ENTRANCE

741.38 3.4% 2% 741.31

EXIST. R.O.W.

PR. TEMP. EASE.

STAGE I

279+21.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

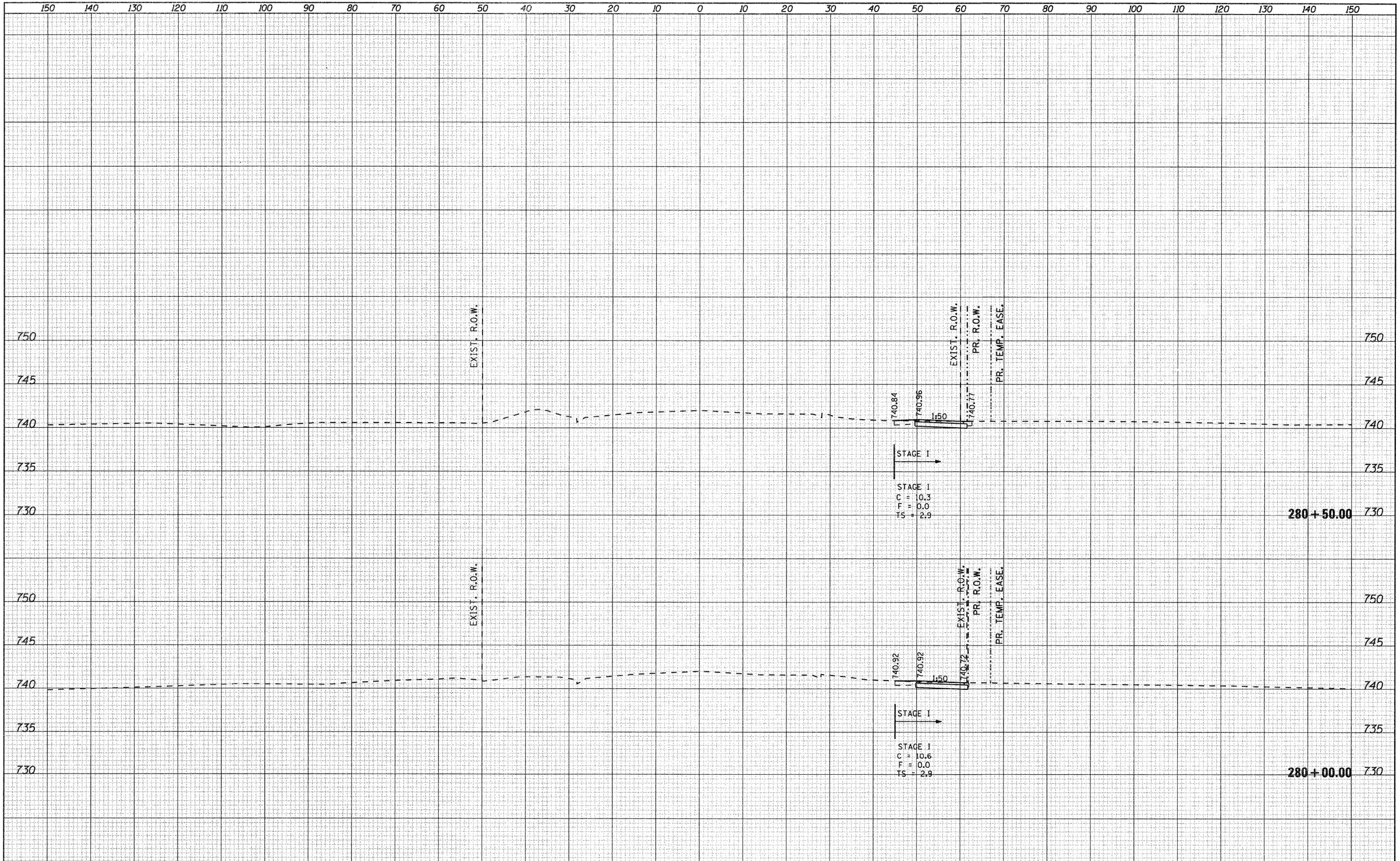
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 279+21.00 TO STA. 279+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	388
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TOTALS		
AREAS		
AREAS CHECKED		

BY	DATE



ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TOTALS		
AREAS		
AREAS CHECKED		

BY	DATE

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 280+00.00 TO STA. 280+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	389
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

750 745 740 735 730

EXIST. R.O.W.

EXIST. R.O.W.

PR. R.O.W.

PR. TEMP. EASE.

740.76 740.67 1:50 740.46

STAGE I

STAGE I
C = 11.4
F = 0.0
TS = 3.2

281 + 50.00

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

750 745 740 735 730

EXIST. R.O.W.

EXIST. R.O.W.

PR. R.O.W.

PR. TEMP. EASE.

741.14 741.09 1:50 740.91

STAGE I

STAGE I
C = 11.0
F = 0.0
TS = 2.9

281 + 00.00

FILE NAME = g:\2010\trans\b10t001\dgn\cross sections\D01500KSHT_IL2.dgn	USER NAME = patp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

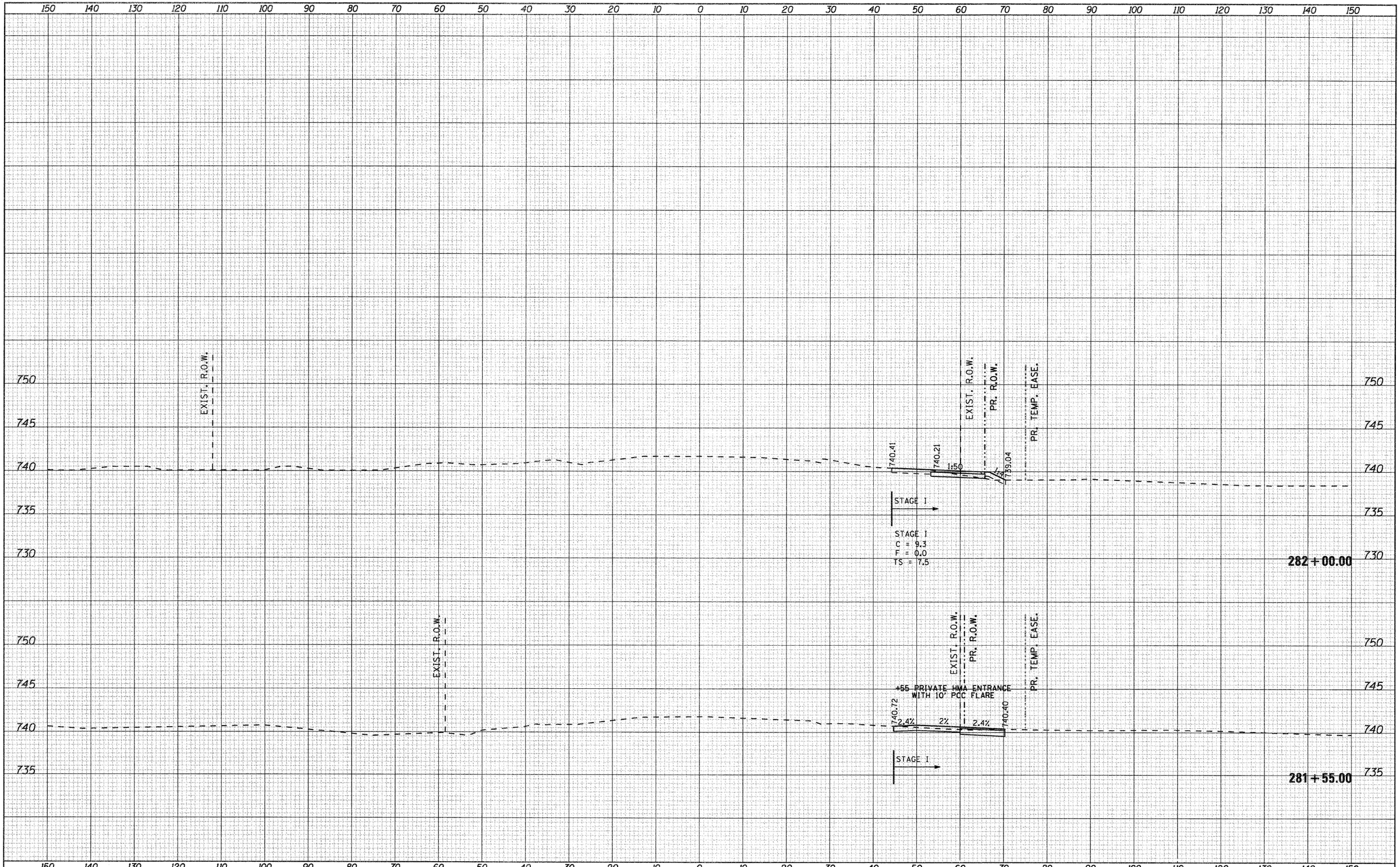
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 281+00.00 TO STA. 281+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	390
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

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

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



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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 281+55.00 TO STA. 282+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	391
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

750
745
740
735
730

EXIST. R.O.W.

EXIST. R.O.W.

PR. R.O.W.

PR. TEMP. EASE.

741.30
741.04
1:50
740.84

STAGE I

STAGE I
C = 10.8
F = 0.0
TS = 3.3

283+50.00

EXIST. R.O.W.

SAUK LANE

IROQUOIS AVENUE

283+00.00

EXIST. R.O.W.

SAUK LANE

739.86
739.73
1:50
738.65

STAGE I

STAGE I
C = 7.5
F = 0.0
TS = 3.3

282+50.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

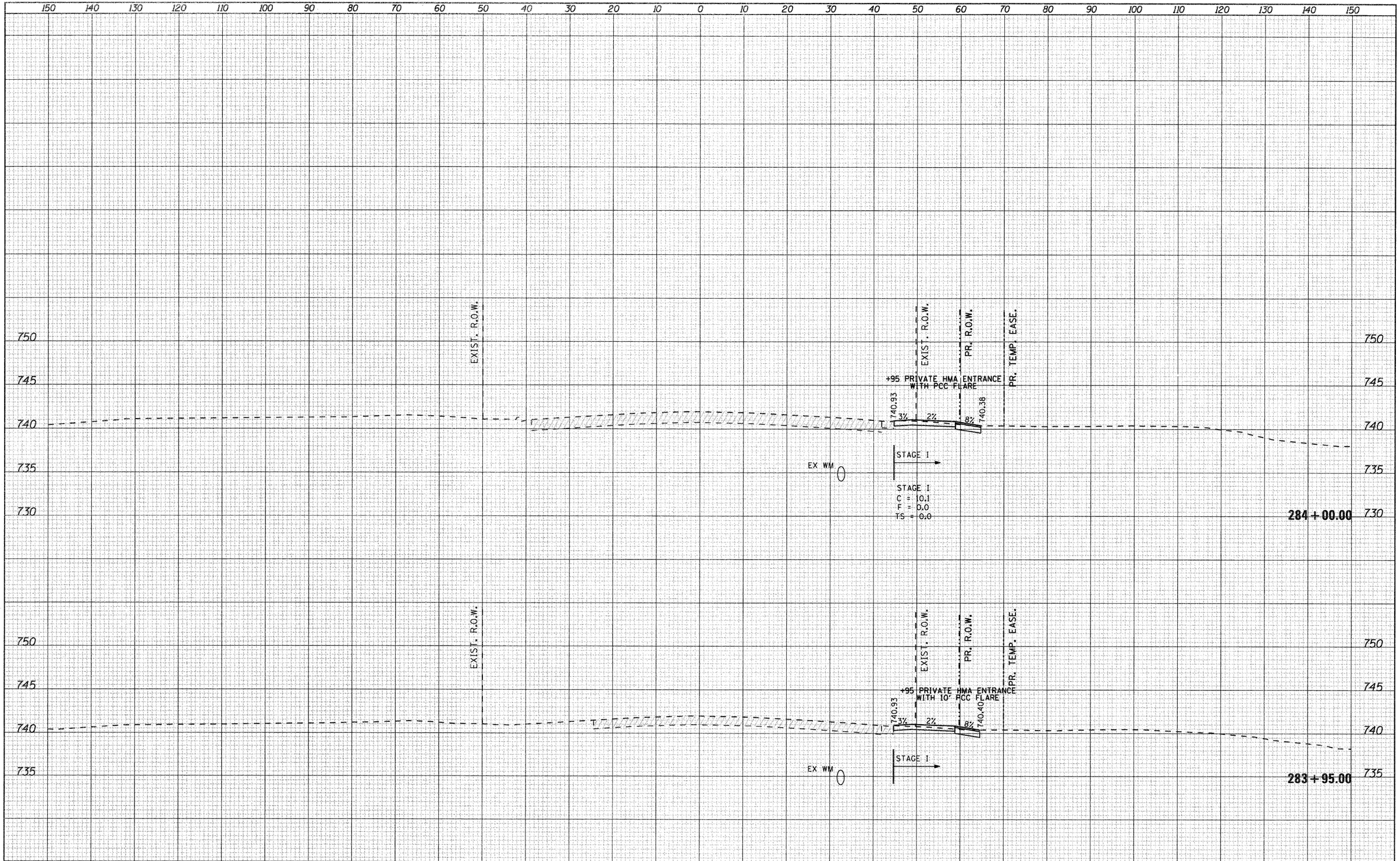
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 282+50.00 TO STA. 283+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	392
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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

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



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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 283+95.00 TO STA. 284+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	393
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

750
745
740
735
730

EXIST. R.O.W.
EXIST. R.O.W.
PR. R.O.W.
PR. TEMP. EASE.
+82 PRIVATE HMA ENTRANCE WITH PCC FLARE
740.90
3%
2%
2%
740.67
STAGE I
284+82.00
EXIST. R.O.W.
EXIST. R.O.W.
PR. R.O.W.
PR. TEMP. EASE.
741.38
741.30
1:50
740.25
EX WM
STAGE I
STAGE I
C = 2.2
F = 1.8
TS = 4.7
284+50.00

FILE NAME = g:\2010\trans\bl0t001\dgn\cross sections\D01500KSHT_IL2.dgn	USER NAME = petp	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

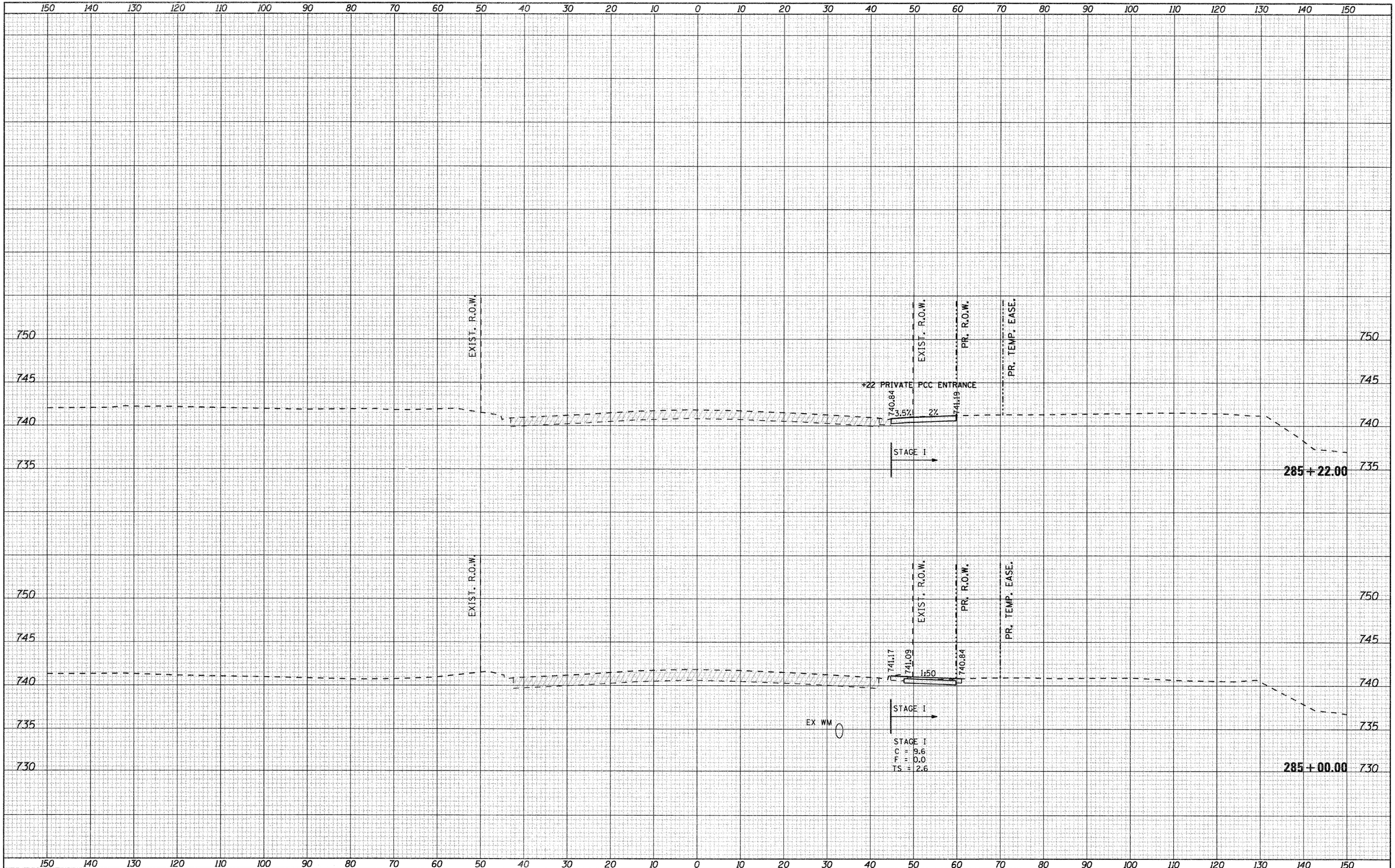
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 284+50.00 TO STA. 284+82.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	394
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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

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



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	PLOT DATE = 1/23/2012	DATE -	REVISED -

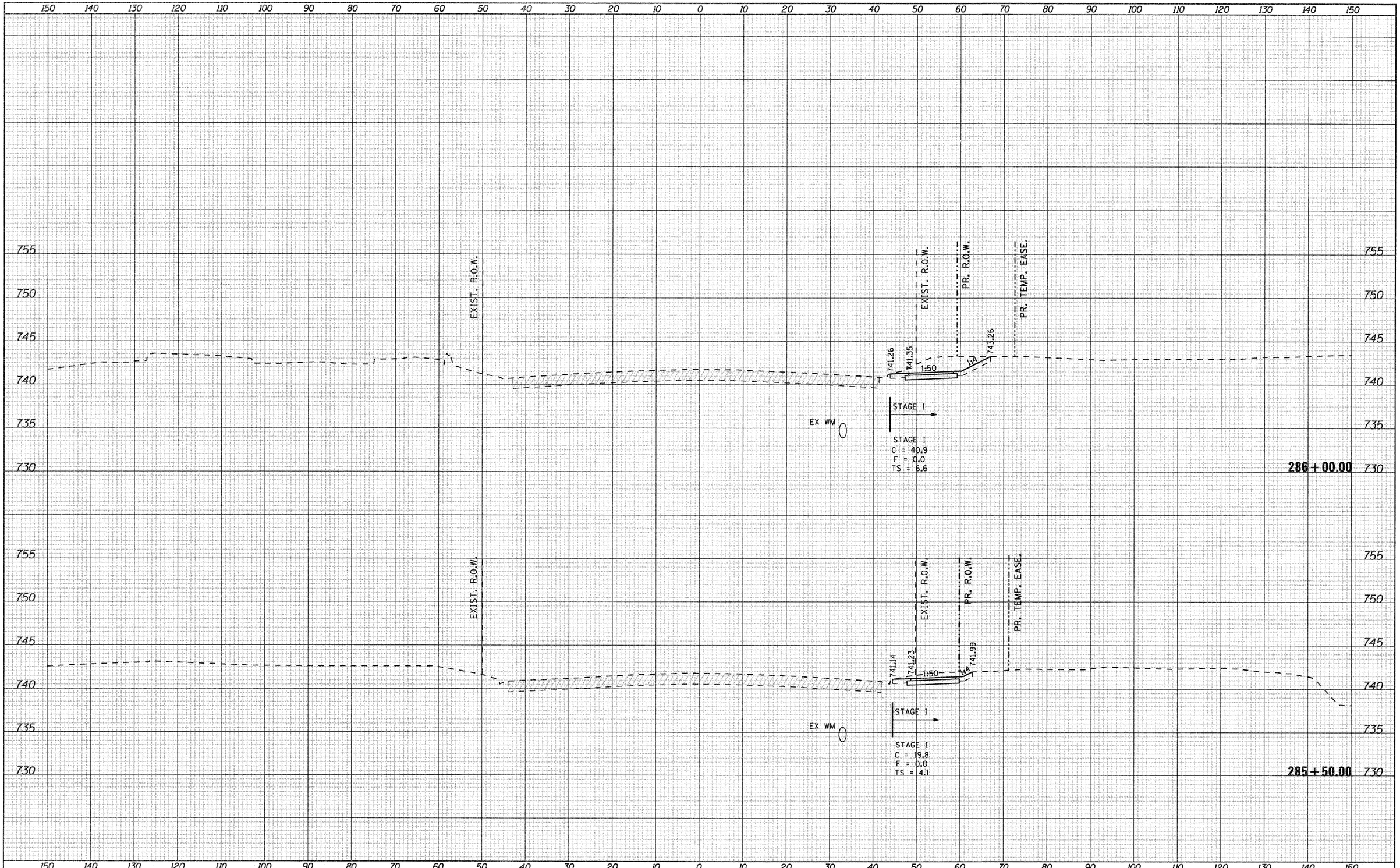
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 285+00.00 TO STA. 285+22.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	395
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME =	USER NAME = petp	DESIGNED -	REVISED -
g:\2010\trans\b10t001\dgn\cross sections\D01500XSHT_IL2.dgn		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2012	DATE -	REVISED -

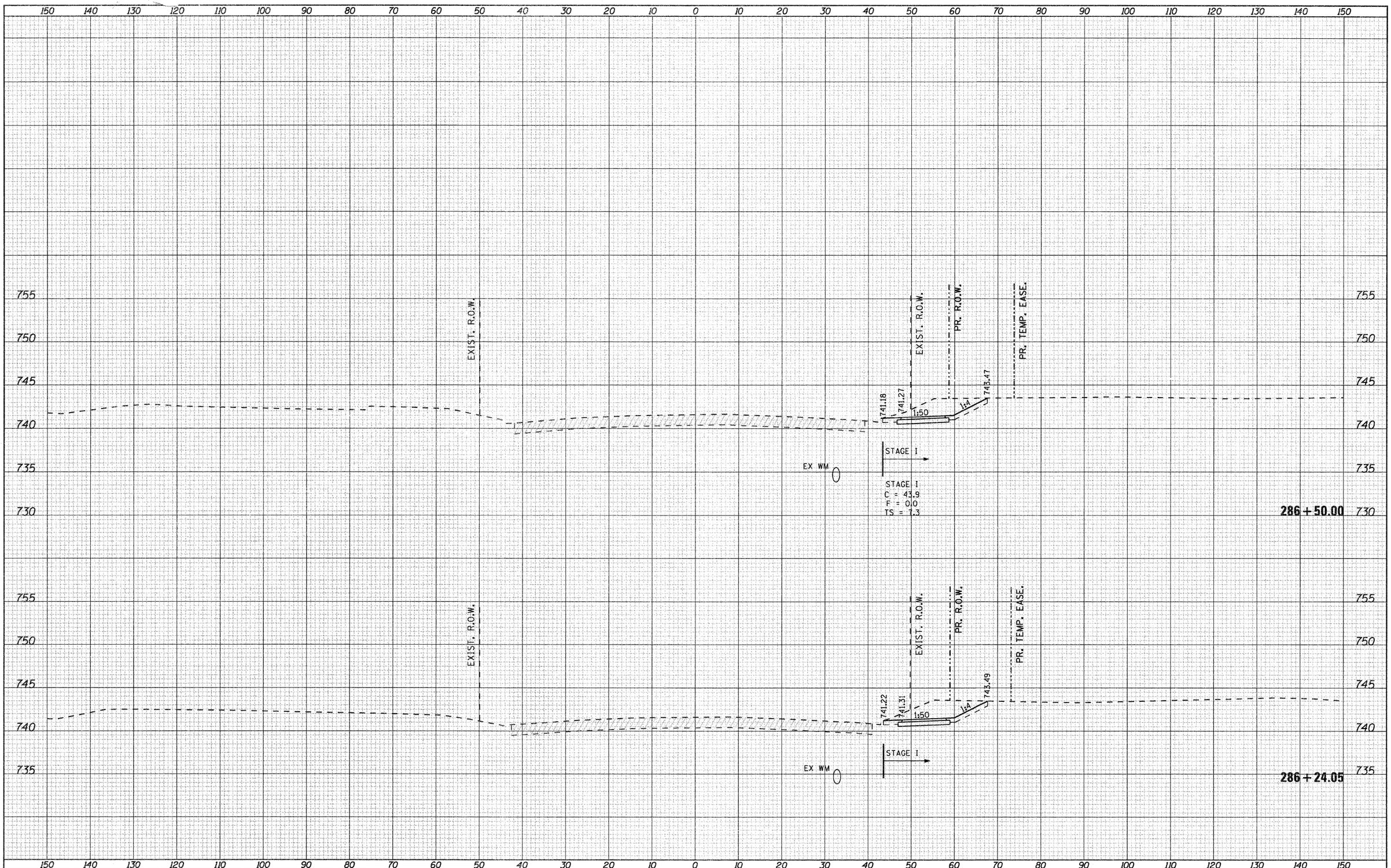
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 285+50.00 TO STA. 286+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	396
		CONTRACT NO. 64515		
	ILLINOIS	FED. AID PROJECT		

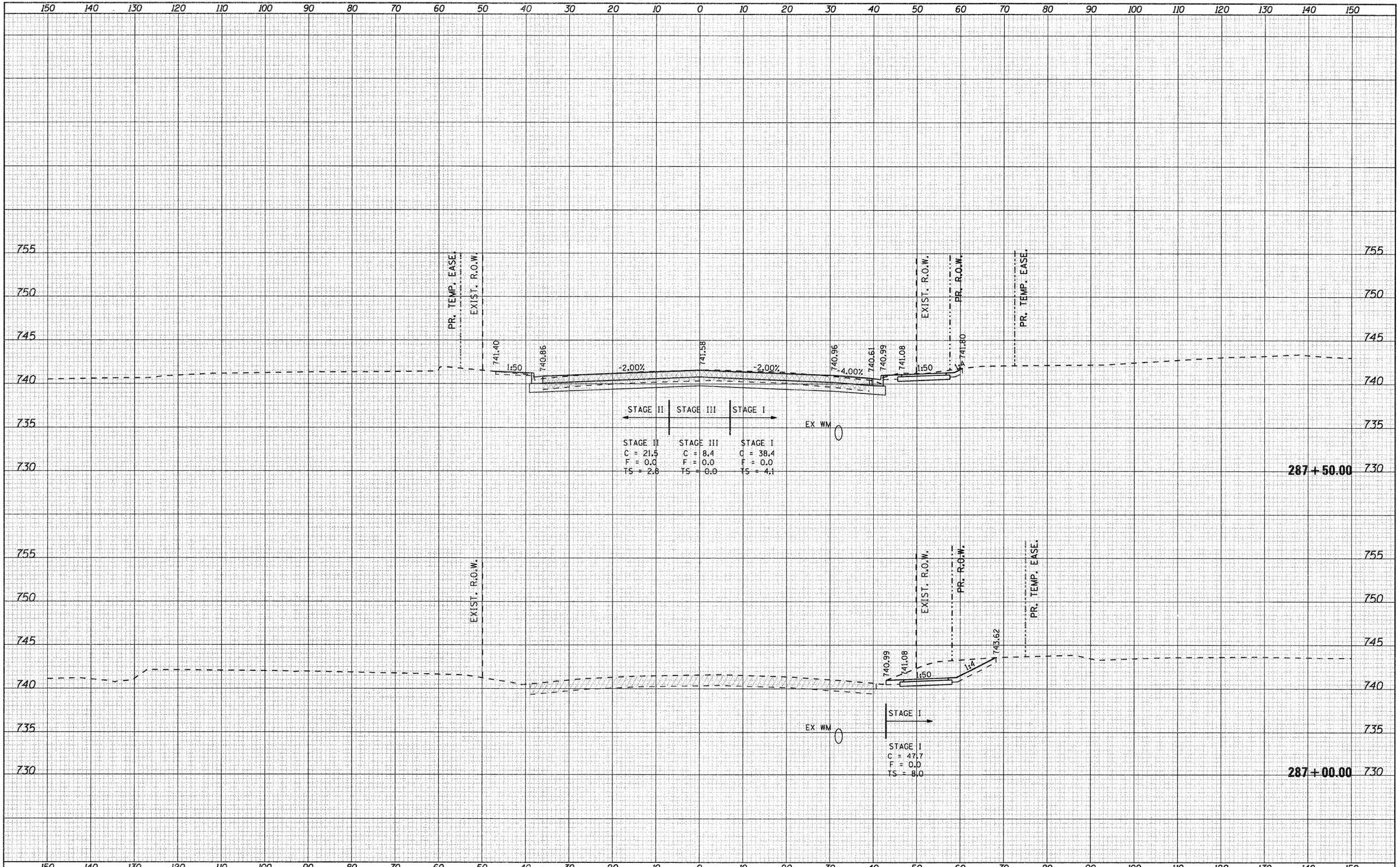
FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.	AREAS CHECKED	



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

| | | |

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



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

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	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

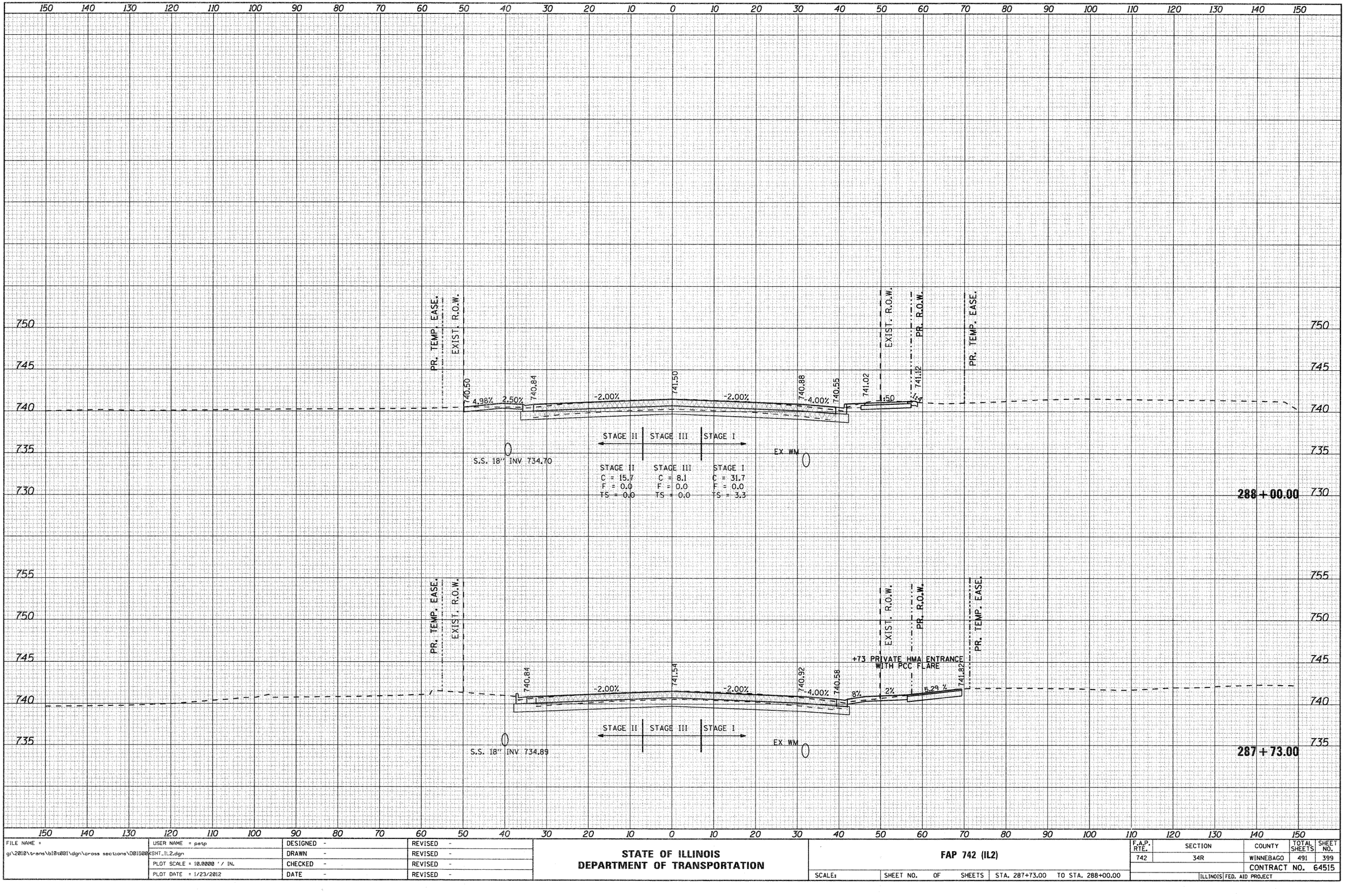
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 287+00.00 TO STA. 287+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	398
		CONTRACT NO. 64515		
		ILLINOIS FED. AID PROJECT		

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

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



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g:\2018\trans\b18t001\dgn\cross sections\D815204SHT_IL2.dgn		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

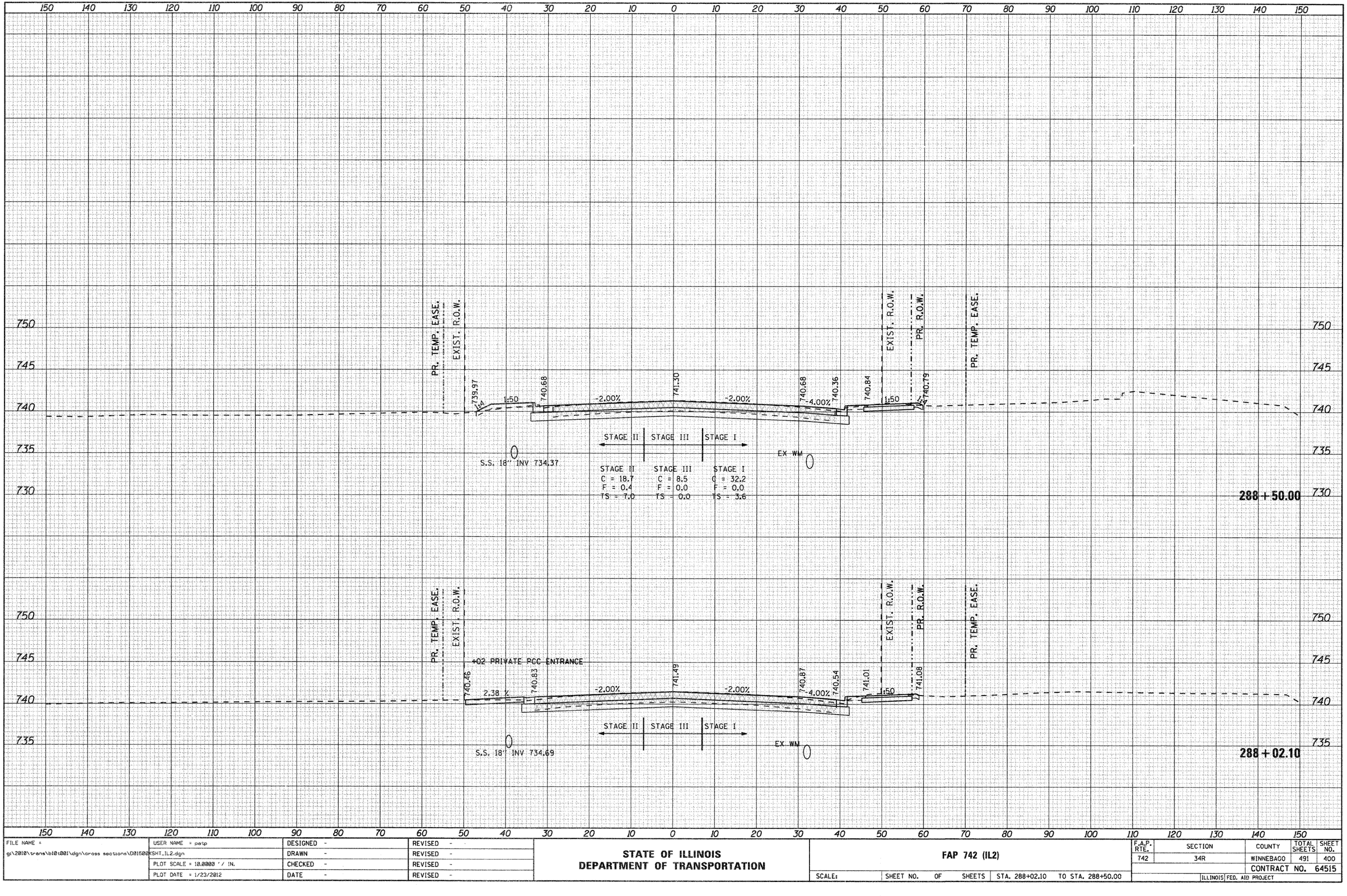
FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 287+73.00 TO STA. 288+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	399
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			

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

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



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	PLOT DATE = 1/23/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 742 (IL2)

SCALE: | SHEET NO. OF SHEETS | STA. 288+02.10 TO STA. 288+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	34R	WINNEBAGO	491	400
		CONTRACT NO. 64515		
	ILLINOIS FED. AID PROJECT			