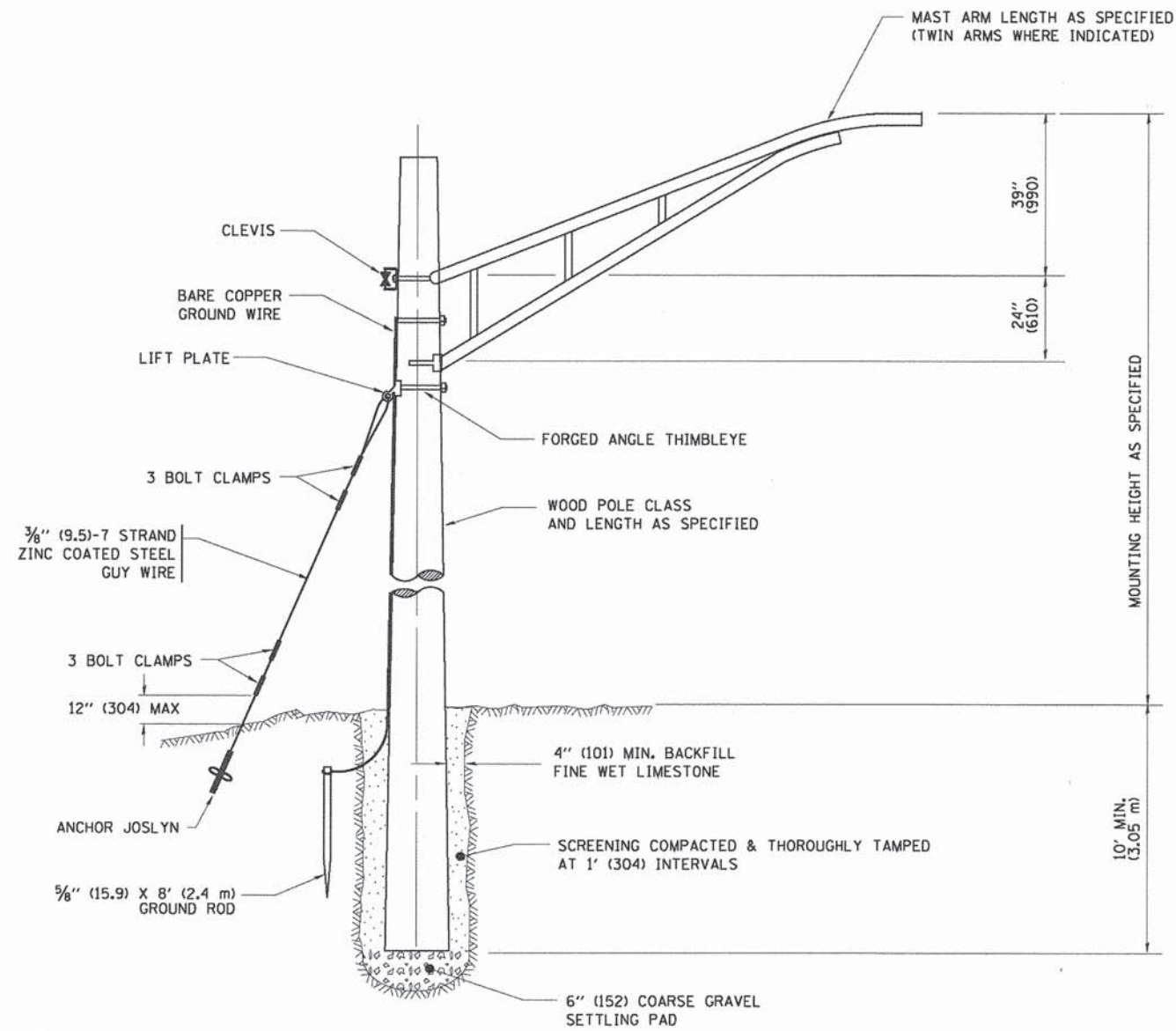
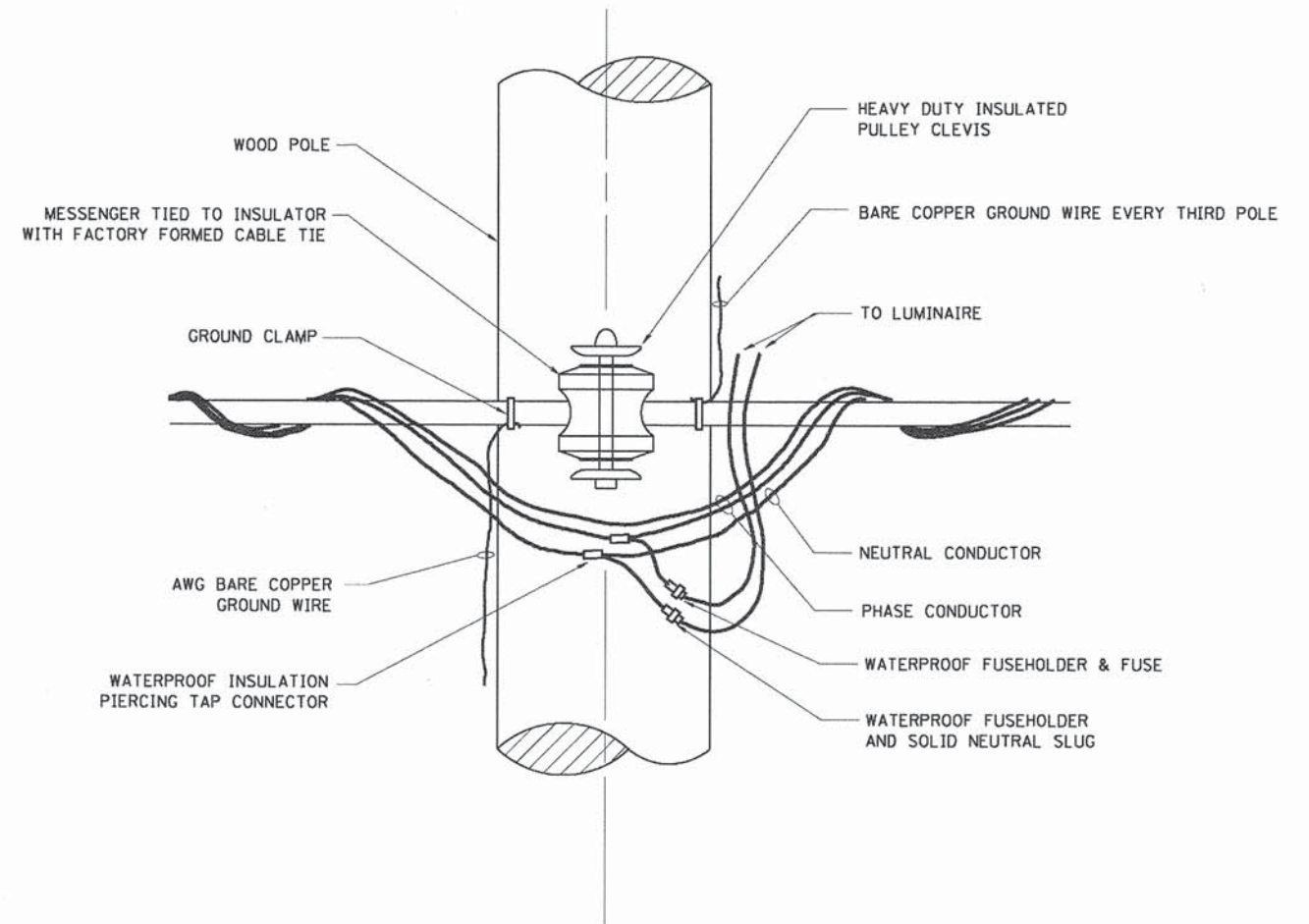


# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED																	
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE																				
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE																				
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA																				
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED																				
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F																				
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F																				
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)																				
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE																				
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED																				
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED																				
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED																				
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED																				
SIGNAL POST				REMOVE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED																				
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR																				
GUY WIRE				ABANDON ITEM				SAMPLING (SYSTEM) DETECTOR																				
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				EXISTING INTERSECTION LOOP DETECTOR																				
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																				
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING PREFORMED INTERSECTION LOOP DETECTOR																				
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																				
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																				
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED SAMPLING (SYSTEM) DETECTOR																				
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				<h2 style="margin: 0;">RAILROAD SYMBOLS</h2> <table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">EXISTING</th> <th style="width: 25%;">PROPOSED</th> </tr> </thead> <tbody> <tr> <td>RAILROAD CONTROL CABINET</td> <td></td> <td></td> </tr> <tr> <td>RAILROAD CANTILEVER MAST ARM</td> <td></td> <td></td> </tr> <tr> <td>FLASHING SIGNAL</td> <td></td> <td></td> </tr> <tr> <td>CROSSING GATE</td> <td></td> <td></td> </tr> <tr> <td>CROSSBUCK</td> <td></td> <td></td> </tr> </tbody> </table>				EXISTING	PROPOSED	RAILROAD CONTROL CABINET			RAILROAD CANTILEVER MAST ARM			FLASHING SIGNAL			CROSSING GATE			CROSSBUCK		
	EXISTING	PROPOSED																										
RAILROAD CONTROL CABINET																												
RAILROAD CANTILEVER MAST ARM																												
FLASHING SIGNAL																												
CROSSING GATE																												
CROSSBUCK																												
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER																								
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT																								
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER																								
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED																								
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)																								
MICROWAVE VEHICLE SENSOR																												
VIDEO DETECTION CAMERA																												
VIDEO DETECTION ZONE																												
PAN, TILT, ZOOM CAMERA																												
WIRELESS DETECTOR SENSOR																												
WIRELESS ACCESS POINT																												



TEMPORARY LIGHT POLE DETAIL

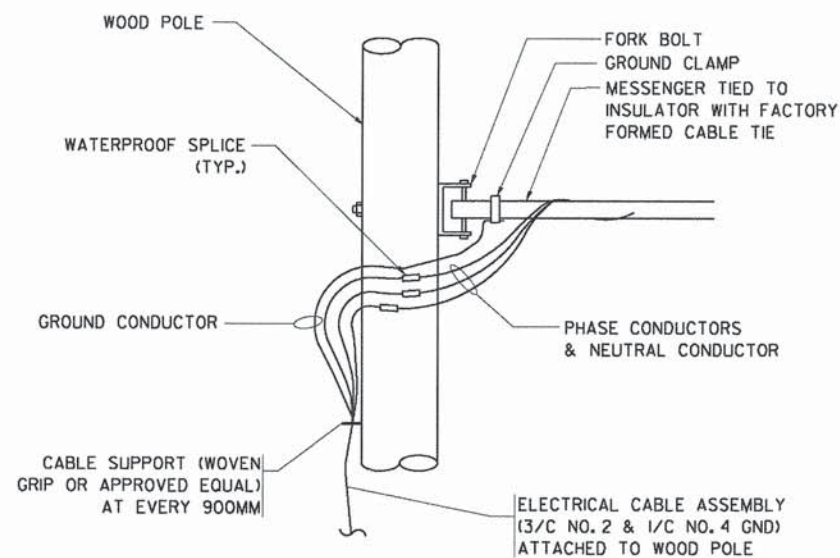


TEMPORARY LIGHT POLE ATTACHMENT DETAIL

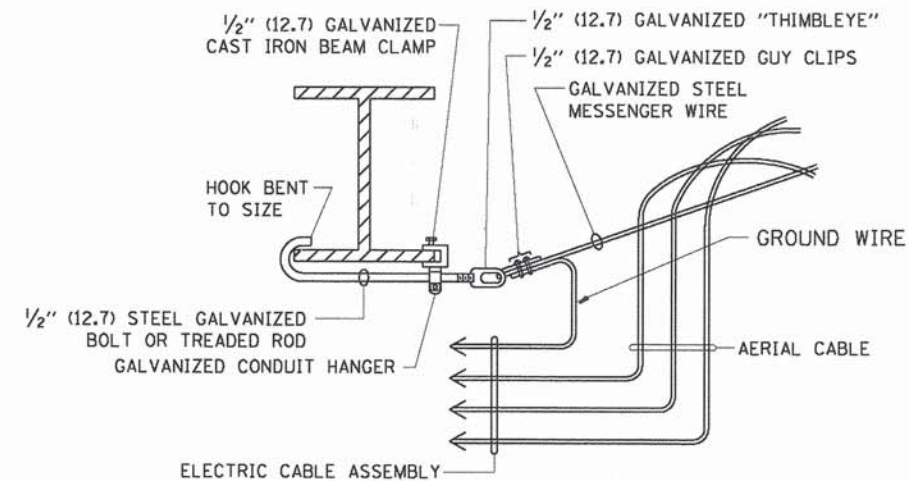
**NOTES:**

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED

FILE NAME = W:\distatd\22x34\be800.dgn	USER NAME = geglennob	DESIGNED -	REVISED - 08-08-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY LIGHT POLE DETAILS</b>				F.A.P. RTE. 0369	SECTION 12-00253-07-PV	COUNTY DUPAGE	TOTAL SHEETS 285	SHEET NO. 202
	PLOT SCALE = 50,000' / IN.	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 48 OF 50 SHEETS	STA.	TO STA.	<b>BE-800</b>				
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -	CONTRACT NO. 63851									



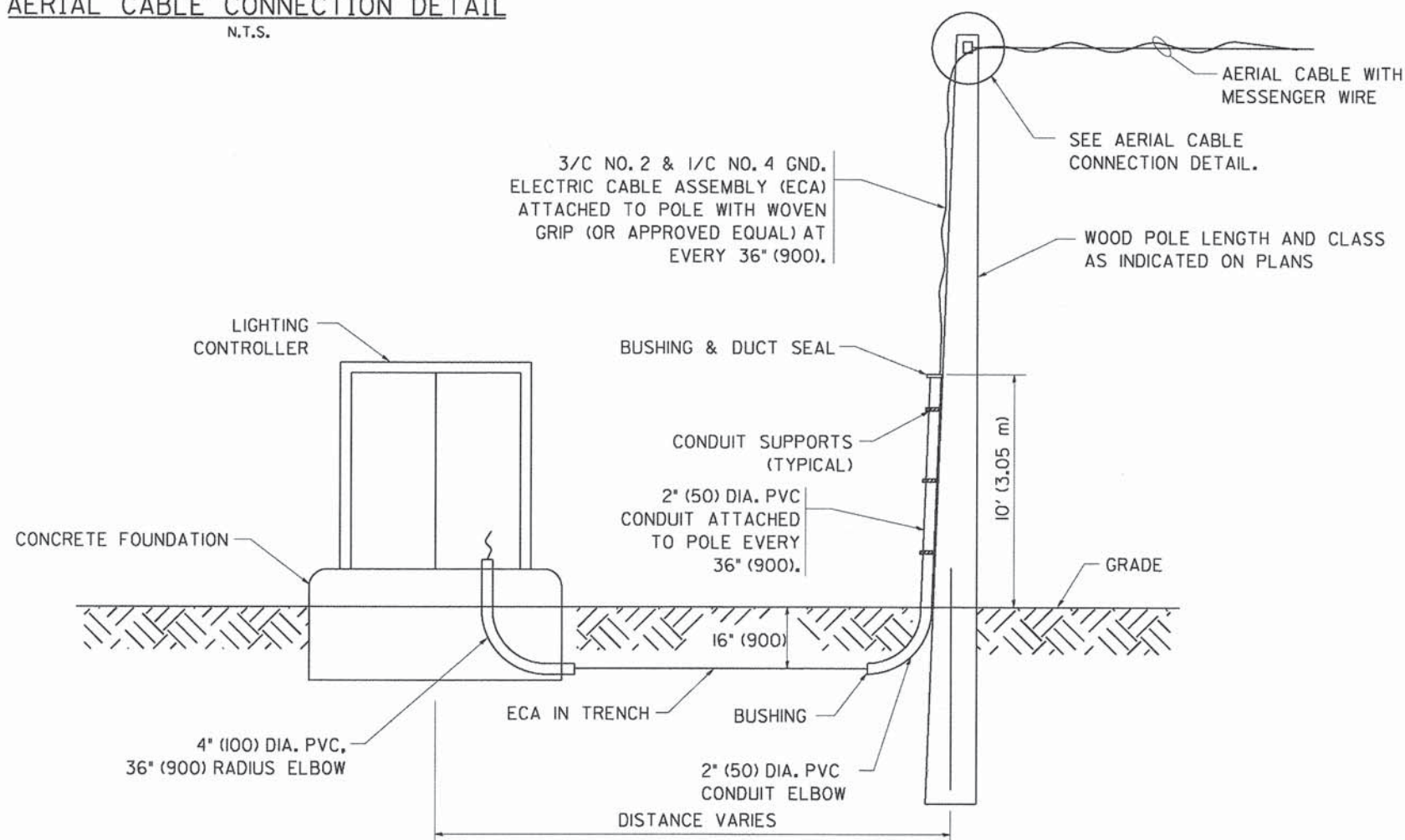
**AERIAL CABLE CONNECTION DETAIL**  
N.T.S.



**AERIAL CABLE ATTACHED TO STRUCTURE**  
NOT TO SCALE

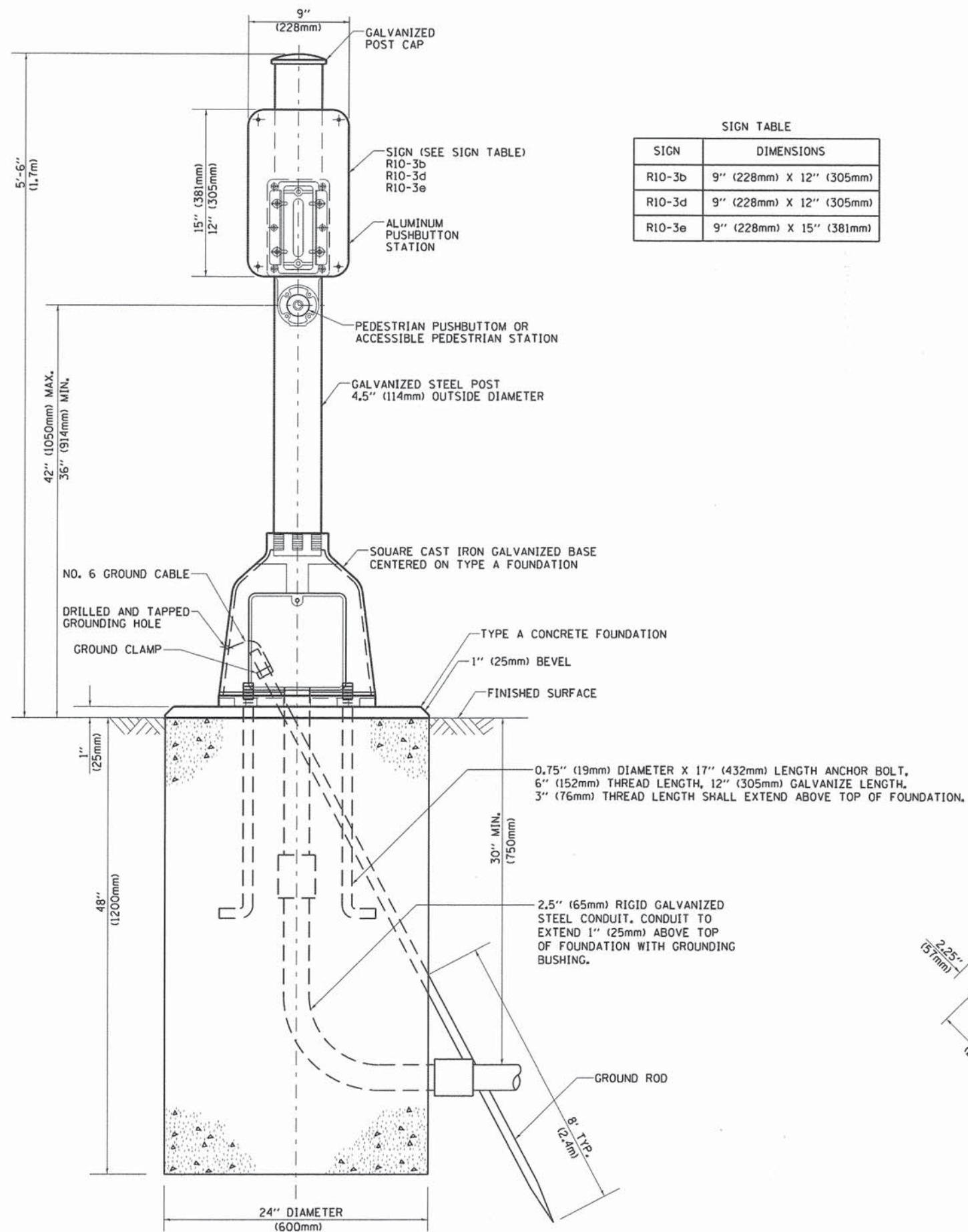
**NOTES:**

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



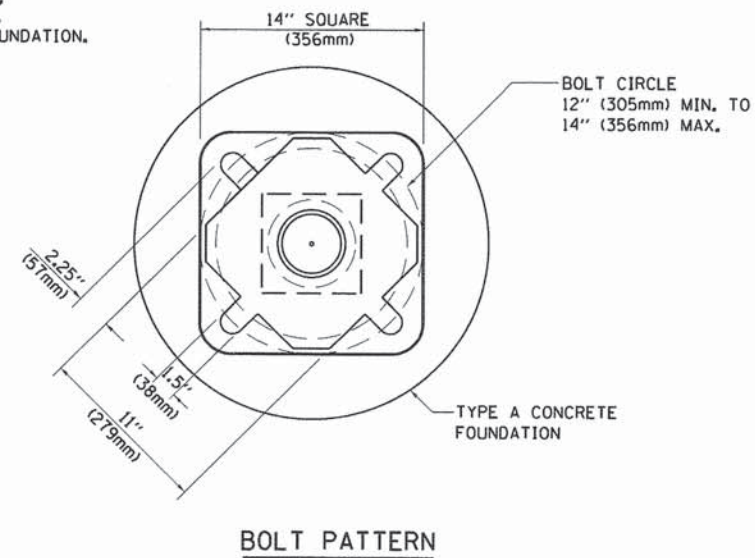
**WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL**  
N.T.S.

FILE NAME = W:\diststd\22x34\be801.dgn	USER NAME = geglierobt	DESIGNED - DRAWN -	REVISED - REVISED -	08-08-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY AERIAL CABLE INSTALLATION</b>			F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DUPAGE	TOTAL SHEETS 285	SHEET NO. 203
PLOT SCALE = 50,000' / IN.	PLOT DATE = 1/4/2008	CHECKED - DATE -	REVISOR - REVISOR -			SCALE: NONE	SHEET NO. 49 OF 50 SHEETS	STA.	TO STA.	<b>BE-801</b> CONTRACT NO. 63851			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT													



SIGN TABLE

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



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	PLDT DATE = 10/5/2012	DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DISTRICT 1			
PEDESTRIAN PUSH BUTTON POST, TYPE A			
SCALE: NONE	SHEET NO. 50 OF 50 SHEETS	STA.	TO STA.

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DUPAGE	TOTAL SHEETS 285	SHEET NO. 204
TS-09			CONTRACT NO. 63851	
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

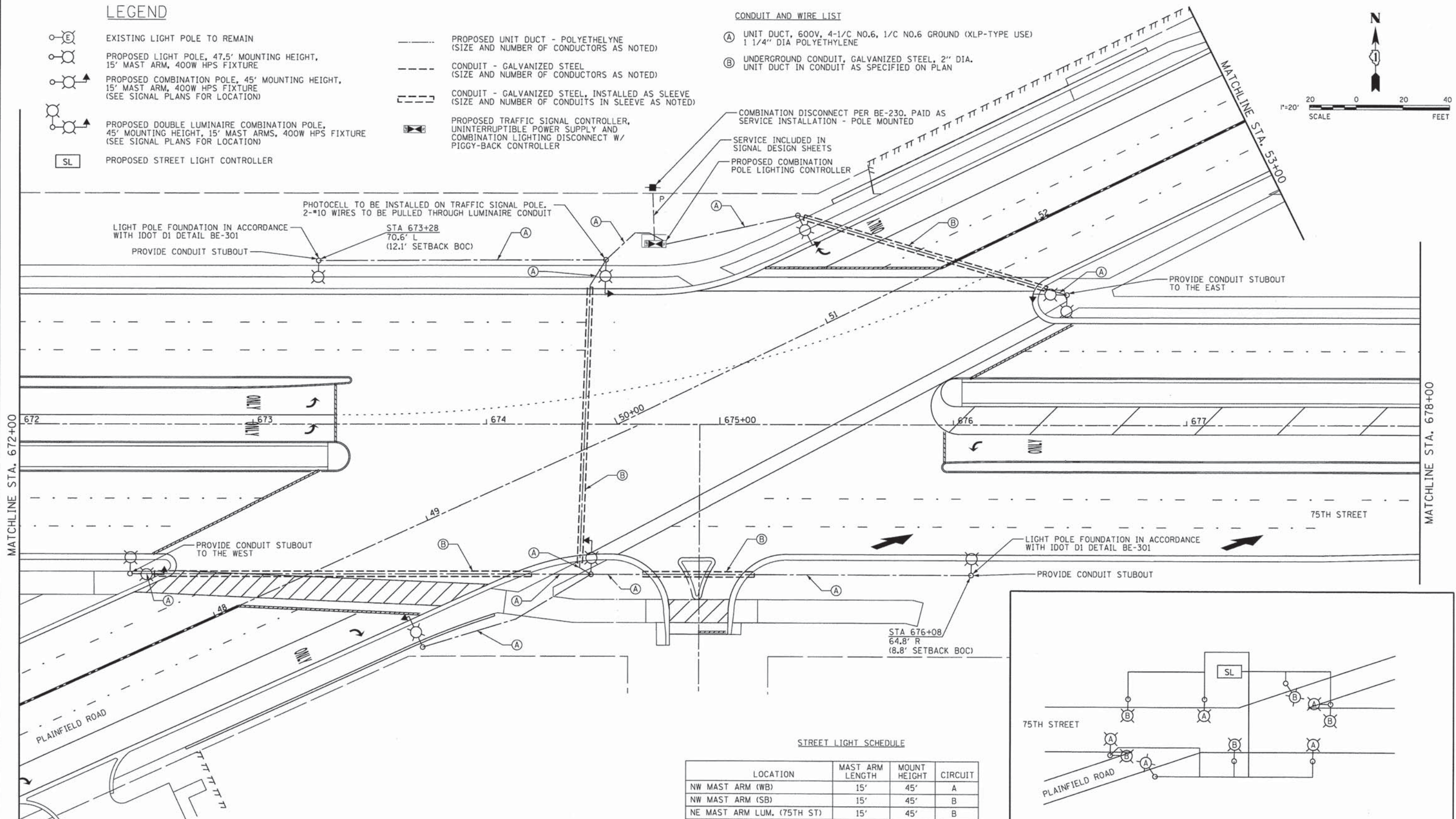
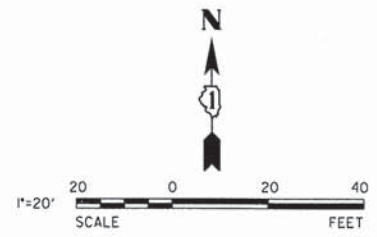
**LEGEND**

- EXISTING LIGHT POLE TO REMAIN
- PROPOSED LIGHT POLE, 47.5' MOUNTING HEIGHT, 15' MAST ARM, 400W HPS FIXTURE
- PROPOSED COMBINATION POLE, 45' MOUNTING HEIGHT, 15' MAST ARM, 400W HPS FIXTURE (SEE SIGNAL PLANS FOR LOCATION)
- PROPOSED DOUBLE LUMINAIRE COMBINATION POLE, 45' MOUNTING HEIGHT, 15' MAST ARMS, 400W HPS FIXTURE (SEE SIGNAL PLANS FOR LOCATION)
- PROPOSED STREET LIGHT CONTROLLER

- PROPOSED UNIT DUCT - POLYETHYLENE (SIZE AND NUMBER OF CONDUCTORS AS NOTED)
- CONDUIT - GALVANIZED STEEL (SIZE AND NUMBER OF CONDUCTORS AS NOTED)
- CONDUIT - GALVANIZED STEEL, INSTALLED AS SLEEVE (SIZE AND NUMBER OF CONDUITS IN SLEEVE AS NOTED)
- PROPOSED TRAFFIC SIGNAL CONTROLLER, UNINTERRUPTIBLE POWER SUPPLY AND COMBINATION LIGHTING DISCONNECT W/ PIGGY-BACK CONTROLLER

**CONDUIT AND WIRE LIST**

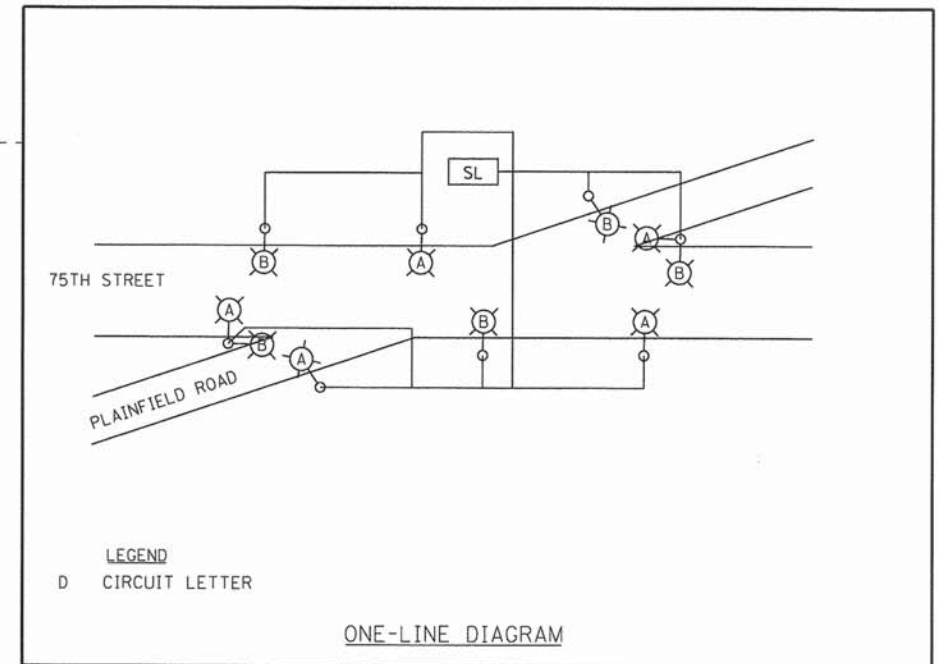
- (A) UNIT DUCT, 600V, 4-1/C NO.6, 1/C NO.6 GROUND (XLP-TYPE USE) 1 1/4" DIA POLYETHYLENE
- (B) UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. UNIT DUCT IN CONDUIT AS SPECIFIED ON PLAN



PAY CODE NO.	PAY ITEM	UNIT	QUANTITY
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	421
81603100	UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	690
82103400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	10
83009600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. MAST ARM	EACH	2
X8250090	COMBINATION POLE LIGHTING CONTROLLER	EACH	1

**STREET LIGHT SCHEDULE**

LOCATION	MAST ARM LENGTH	MOUNT HEIGHT	CIRCUIT
NW MAST ARM (WB)	15'	45'	A
NW MAST ARM (SB)	15'	45'	B
NE MAST ARM LUM. (75TH ST)	15'	45'	B
NE MAST ARM LUM. (PLAIN. RD)	15'	45'	A
SW MAST ARM LUM. (75TH ST)	15'	45'	A
SW MAST ARM LUM. (PLAIN. RD)	15'	45'	B
SE MAST ARM (EB)	15'	45'	B
SE MAST ARM (NB)	15'	45'	A
STA 673+28, 70.6' LT	15'	47.5'	B
STA 676+08, 64.8' RT	15'	47.5'	A



USER NAME = \$USER\$  
 DESIGNED - JDH  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 03/04/13

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

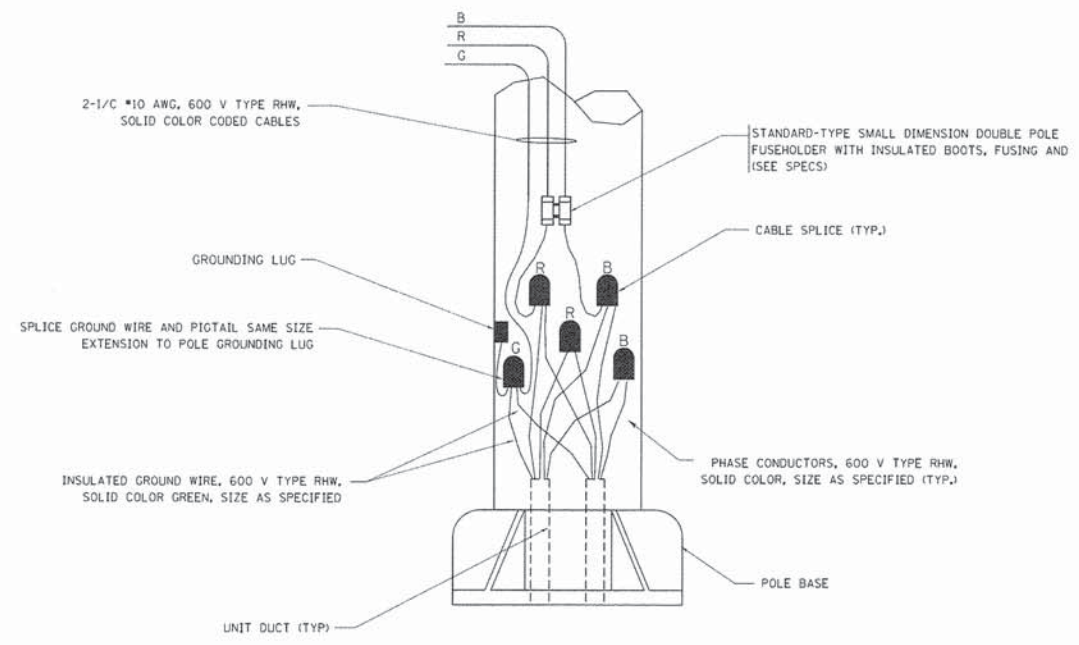
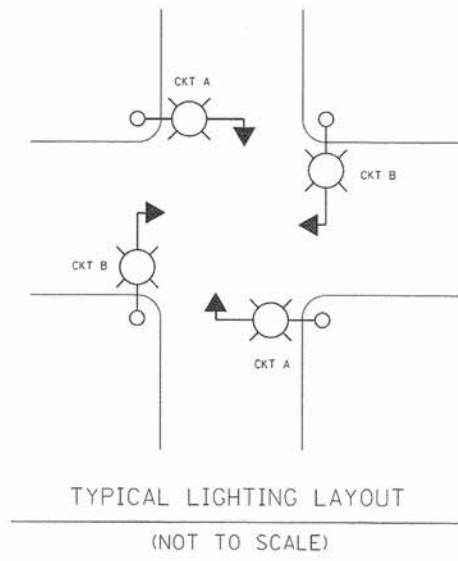
**STREET LIGHTING PLAN  
 75TH STREET AT PLAINFIELD ROAD**  
 SCALE: 1"=20'  
 SHEET NO. 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	205

CONTRACT NO. 63851  
 FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

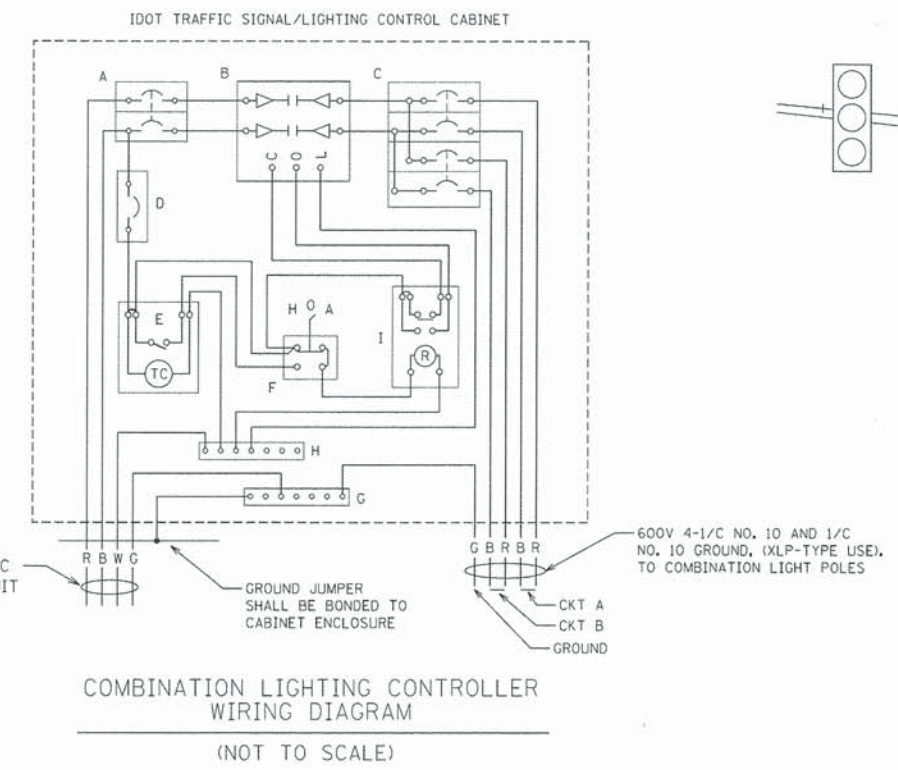
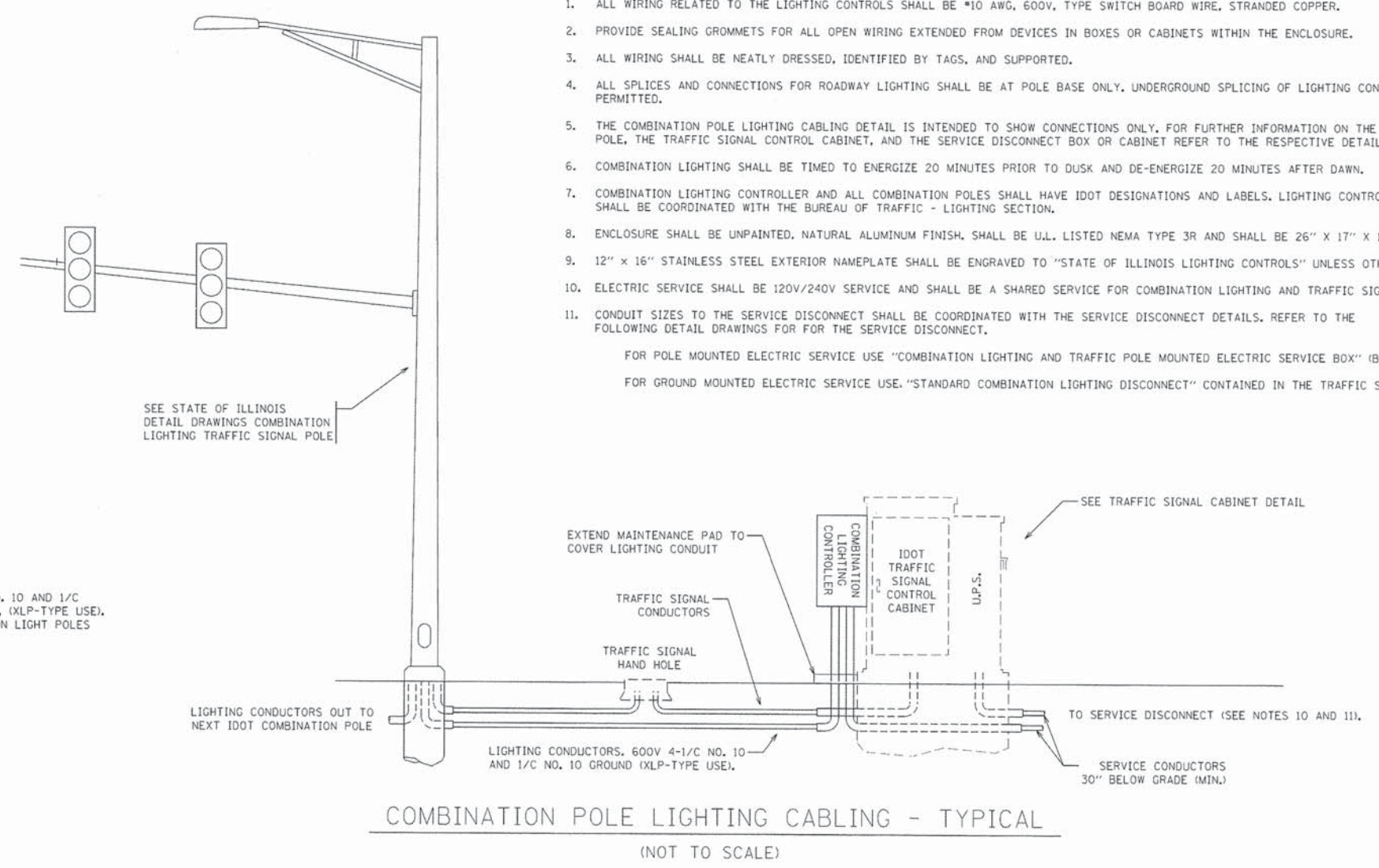
PANEL EQUIPMENT

BILL OF MATERIALS		
ITEM	QUANTITY	DESCRIPTION
A	1	CIRCUIT BREAKER, THERMAL MAGNETIC MOLDED CASE, 2 POLE, 240 VOLT 100 AMP FRAME, 30 AMP TRIP, INTERRUPTING RATING 22K RMS SYMETRICALL AMP
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 30 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
C	2	CIRCUIT BREAKERS, 2 POLE, 100 AMP, FRAME 20 AMP, NON-INTERCHANGABLE TRIP INTERRUPTING RATING NEMA 10,000 AMP AT 240 V.
D	1	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 100 AMP FRAME, 15 AMP NON-INTERCHANGABLE TRIP, INTERRUPTING RATING 22K RMS SYMETRICAL AMP AT 240V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH]
F	1	H-O-A SWITCH
G	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
H	1	COPPER NEUTRAL BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
I	1	RELAY, 2 POLE, SINGLE THROW, 120 VOLT COIL, CURRENT RATING TO BE COORDINATED WITH CONTACTOR



NOTES:

- ALL WIRING RELATED TO THE LIGHTING CONTROLS SHALL BE #10 AWG, 600V, TYPE SWITCH BOARD WIRE, STRANDED COPPER.
  - PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE ENCLOSURE.
  - ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED.
  - ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY. UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED.
  - THE COMBINATION POLE LIGHTING CABLING DETAIL IS INTENDED TO SHOW CONNECTIONS ONLY. FOR FURTHER INFORMATION ON THE COMBINATION LIGHT POLE, THE TRAFFIC SIGNAL CONTROL CABINET, AND THE SERVICE DISCONNECT BOX OR CABINET REFER TO THE RESPECTIVE DETAIL DRAWINGS.
  - COMBINATION LIGHTING SHALL BE TIMED TO ENERGIZE 20 MINUTES PRIOR TO DUSK AND DE-ENERGIZE 20 MINUTES AFTER DAWN.
  - COMBINATION LIGHTING CONTROLLER AND ALL COMBINATION POLES SHALL HAVE IDOT DESIGNATIONS AND LABELS. LIGHTING CONTROLLER DESIGNATIONS SHALL BE COORDINATED WITH THE BUREAU OF TRAFFIC - LIGHTING SECTION.
  - ENCLOSURE SHALL BE UNPAINTED, NATURAL ALUMINUM FINISH, SHALL BE U.L. LISTED NEMA TYPE 3R AND SHALL BE 26" X 17" X 15"
  - 12" X 16" STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
  - ELECTRIC SERVICE SHALL BE 120V/240V SERVICE AND SHALL BE A SHARED SERVICE FOR COMBINATION LIGHTING AND TRAFFIC SIGNALS.
  - CONDUIT SIZES TO THE SERVICE DISCONNECT SHALL BE COORDINATED WITH THE SERVICE DISCONNECT DETAILS. REFER TO THE FOLLOWING DETAIL DRAWINGS FOR FOR THE SERVICE DISCONNECT.
- FOR POLE MOUNTED ELECTRIC SERVICE USE "COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRIC SERVICE BOX" (BE-230).  
FOR GROUND MOUNTED ELECTRIC SERVICE USE "STANDARD COMBINATION LIGHTING DISCONNECT" CONTAINED IN THE TRAFFIC SIGNAL DETAILS.



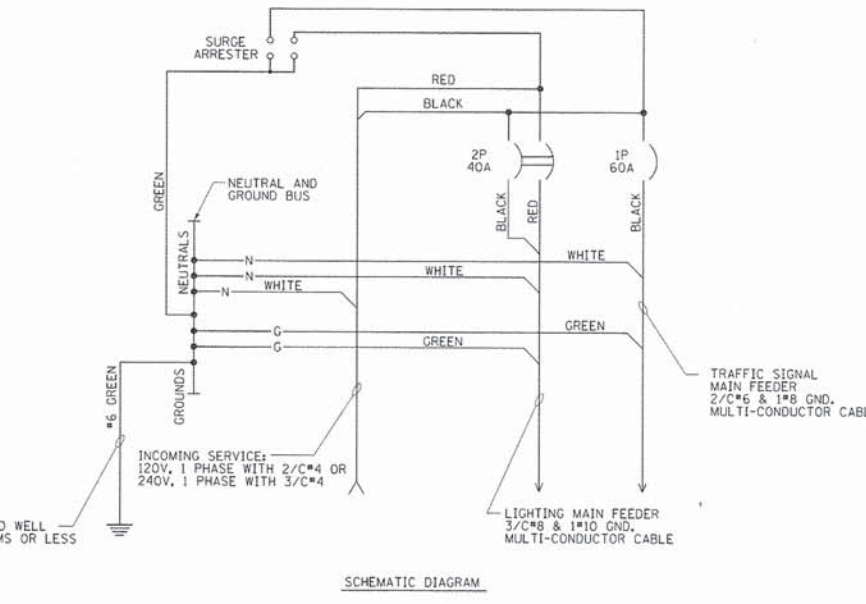
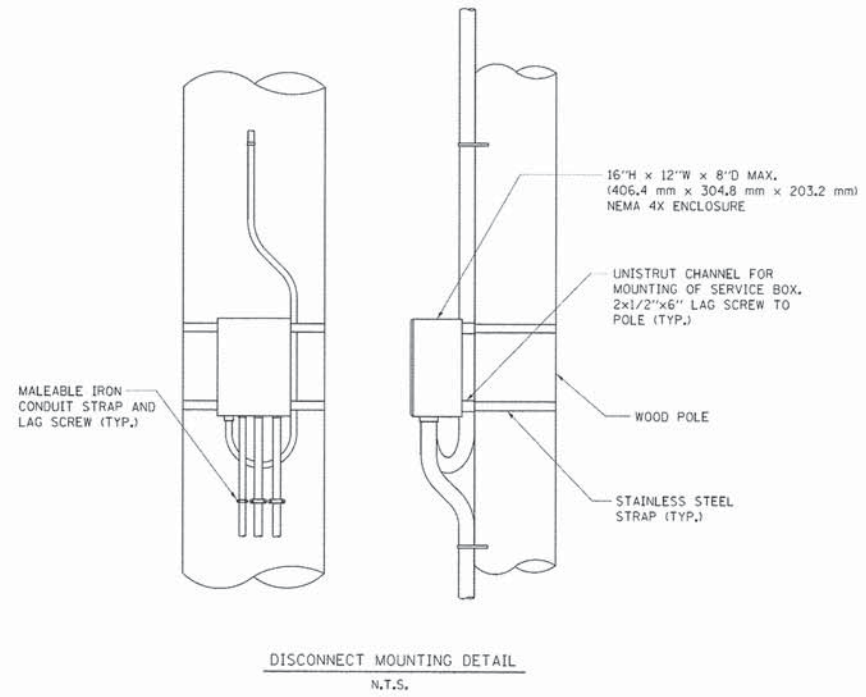
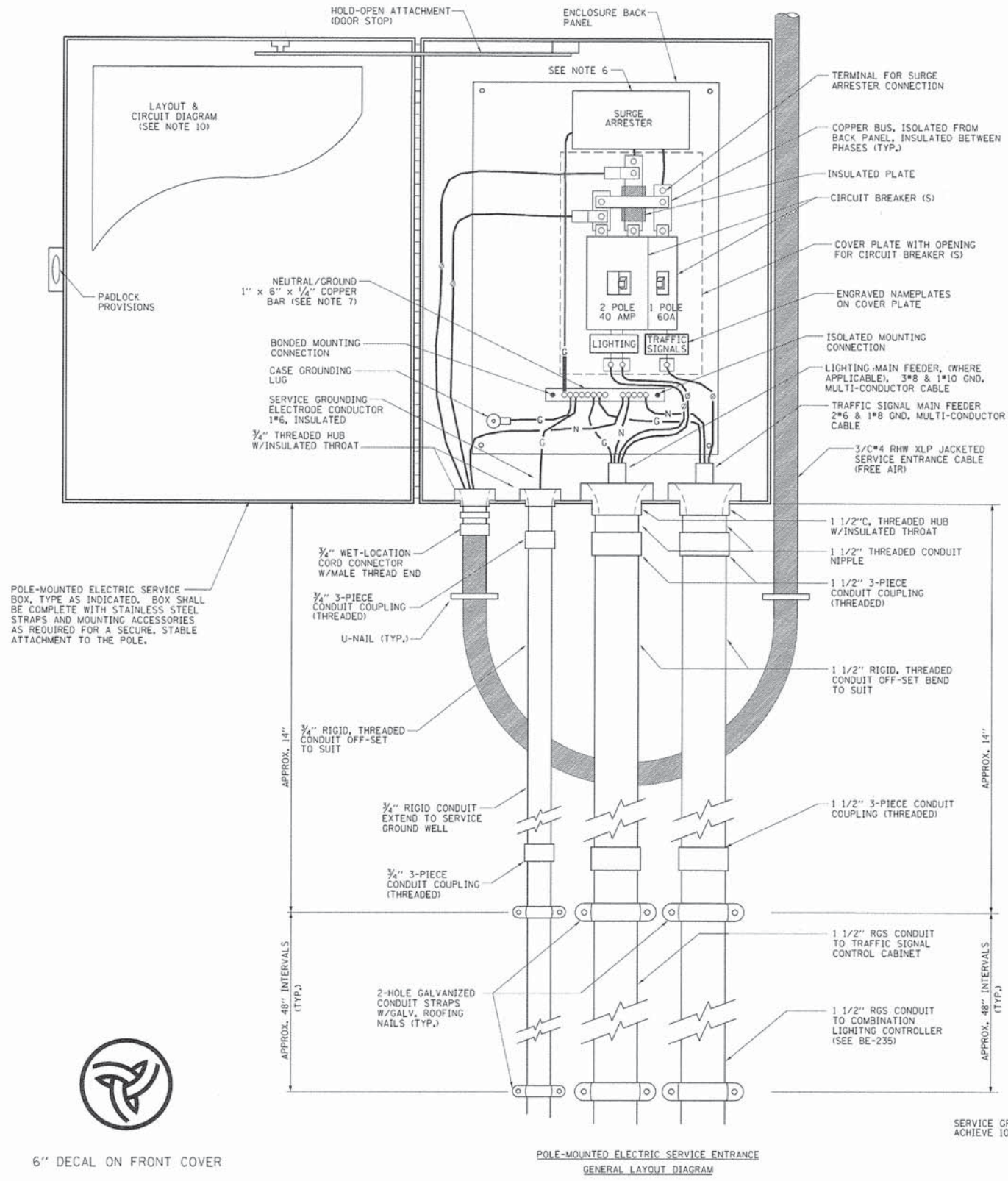
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PLOT SCALE = 50,0000 1/1 in.		CHECKED -	REVISED -
PLOT DATE = 2/27/2013		DATE - 8/24/11	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

COMBINATION LIGHTING CONTROLLER

SCALE: NTS SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DUPAGE	TOTAL SHEETS 285	SHEET NO. 206
BE-235		CONTRACT NO. 63851		
ILLINOIS FED. AID PROJECT				



- NOTES:**
- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WIRE SERVICE.
  - THE POLE-MOUNTED ELECTRIC SERVICE BOX DETAIL DEPICTS THE BASIC CONSTRUCTION OF THE EQUIPMENT. SLIGHT MODIFICATIONS APPLY FOR DIFFERING SERVICES AND APPLICATIONS AS FOLLOWS:
    - TYPE A FULLY EQUIPPED FOR 240/120V, 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER
    - TYPE A1 FULLY EQUIPPED FOR 240/120V, 3W SERVICE, BLANK COVER IN LIEU OF LIGHTING MAIN BREAKER
    - TYPE B EQUIPPED FOR 120V, SERVICE, COMPLETE WITH 1P, 60A, TRAFFIC SIGNALS MAIN BREAKER
    - TYPE B1 EQUIPPED FOR 120V, SERVICE, COMPLETE WITH 1P, 40A, TRAFFIC SURVEILLANCE MAIN BREAKER
  - THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.
  - THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12"W X 16"H X 8"D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A-16H20B556LP/A-16 P12/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
  - CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
  - THE SURGE PROTECTOR SHALL BE SUITABLE FOR 240/120 VOLT SINGLE PHASE 60HZ AC ELECTRICAL SERVICE, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CMOV230L065XST OR APPROVED EQUAL.
  - BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
  - THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
  - THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
  - A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
  - A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
  - LUGS AND CONNECTORS SHALL BE RATED FOR 75°C CONDUCTOR.
  - THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.

POLE-MOUNTED ELECTRIC SERVICE BOX, TYPE AS INDICATED. BOX SHALL BE COMPLETE WITH STAINLESS STEEL STRAPS AND MOUNTING ACCESSORIES AS REQUIRED FOR A SECURE, STABLE ATTACHMENT TO THE POLE.



6" DECAL ON FRONT COVER

FILE NAME =	USER NAME = bauerd	DESIGNED -	REVISED - R. TOMSONS 08-13-04
ct:\work\pilot\baerd\ad0188315\be230.dgn		DRAWN -	REVISED - MAP 10-25-12
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PLOT DATE = 2/27/2013		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

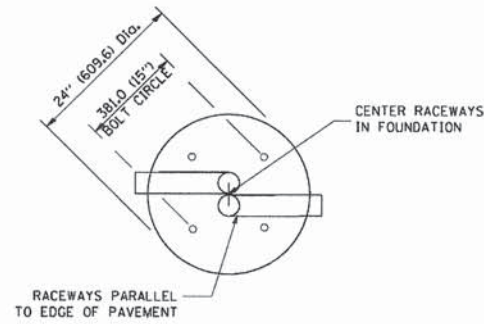
**COMBINATION LIGHTING & TRAFFIC POLE  
MOUNTED ELECTRIC SERVICE BOX DETAIL**

SCALE: NONE SHEET NO. 3 OF 3 SHEETS STA. TO STA.

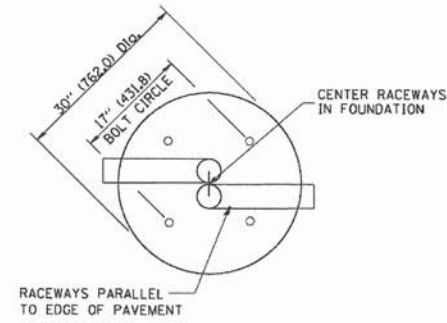
F.A.P. R.T.E. 0369	SECTION 12-00233-07-PV	COUNTY DUPAGE	TOTAL SHEETS 285	SHEET NO. 207
BE-230		CONTRACT NO. 63851		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**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/SO. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SO.FT	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SO. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



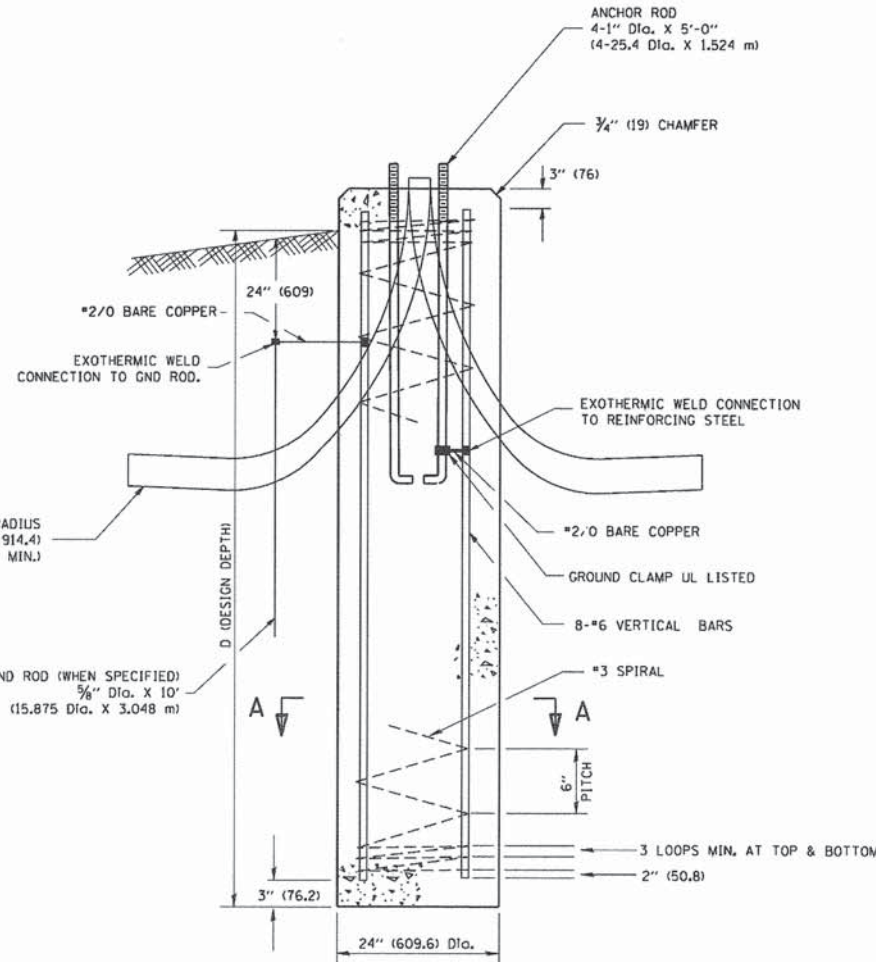
TOP VIEW



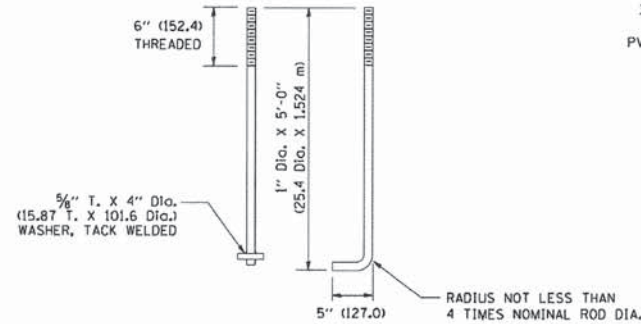
TOP VIEW

**NOTES**

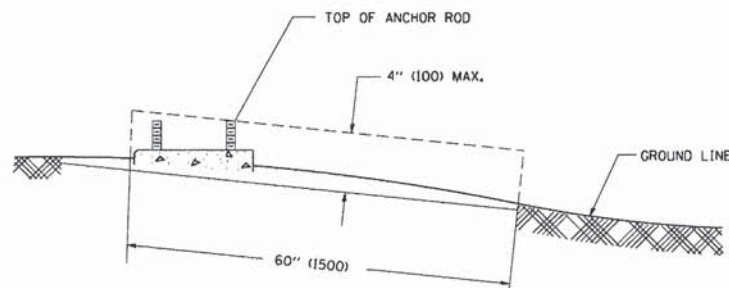
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, 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.
- 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.
- 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).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- 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.
- 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.
- 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 UMG MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- 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.
- 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.
- 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.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



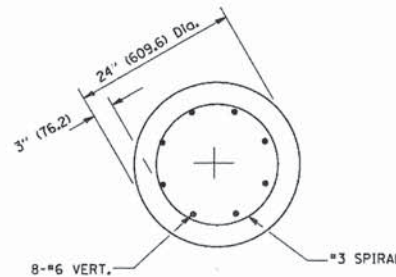
FOUNDATION DETAIL



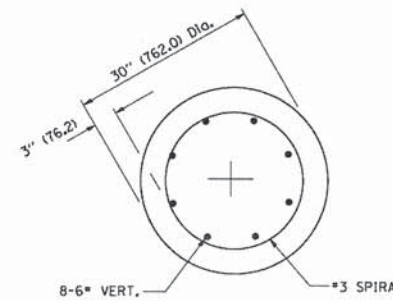
ANCHOR ROD DETAIL



FOUNDATION EXTENSION DETAIL

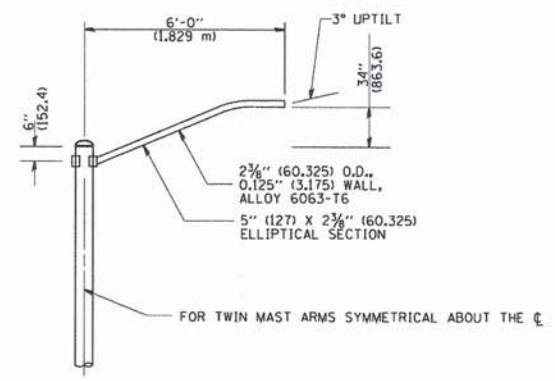
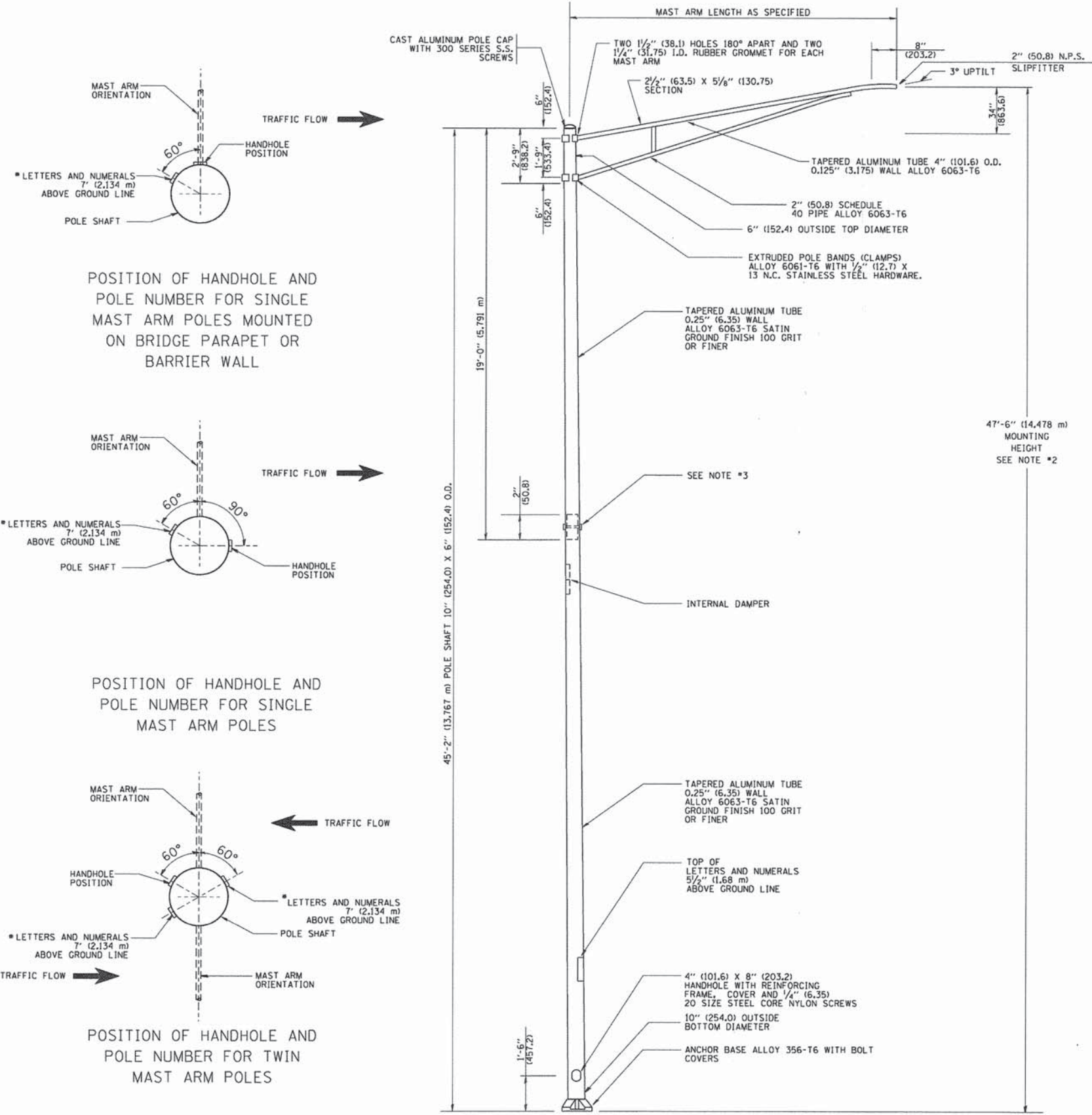


SECTION A-A



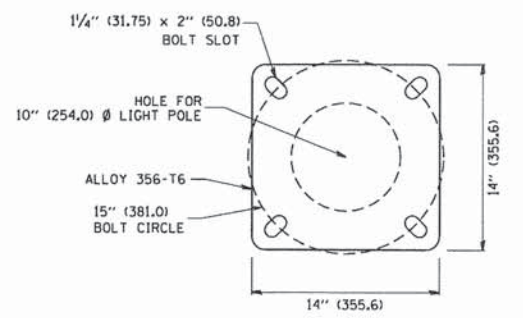
SECTION A-A



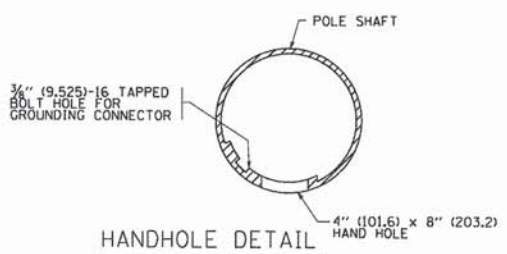


6' (1.8 m) SINGLE MEMBER MAST ARM  
(N.T.S.)

- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
  2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
  3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
  4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
  5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
  6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
  7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
  8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



LIGHT POLE BASE PLATE DETAIL  
15 INCH (381.0) BOLT CIRCLE



HANDHOLE DETAIL  
(N.T.S.)

FILE NAME = W:\d\state\22x34\be428.dgn	USER NAME = gegl1enob1	DESIGNED -	REVISED - R. TOMSONS 09-06-00
		DRAWN -	REVISED - R. TOMSONS 09-03-03
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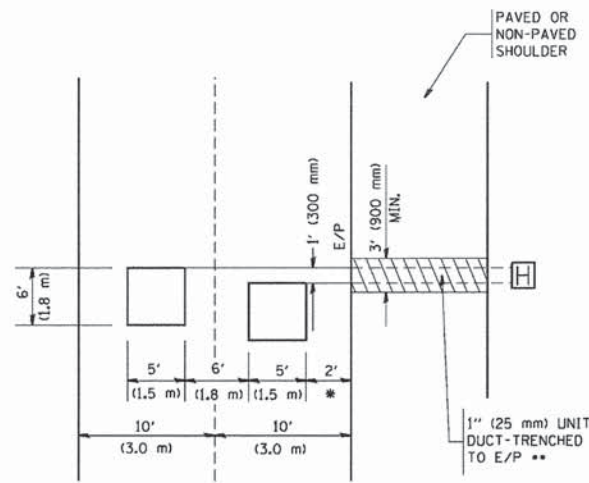
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ALUMINUM LIGHT POLE</b>			
47'-6" (14.478 m) MOUNTING HEIGHT			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 2080
BE-400			CONTRACT NO. 63851	
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

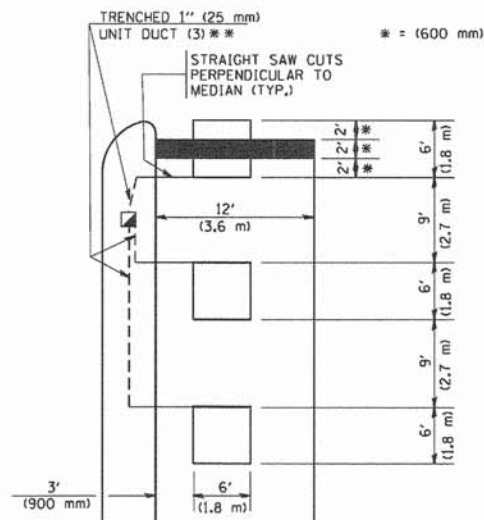


\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)

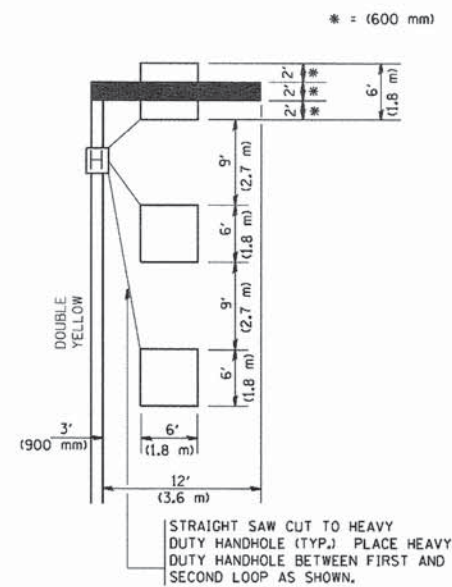
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD B14001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

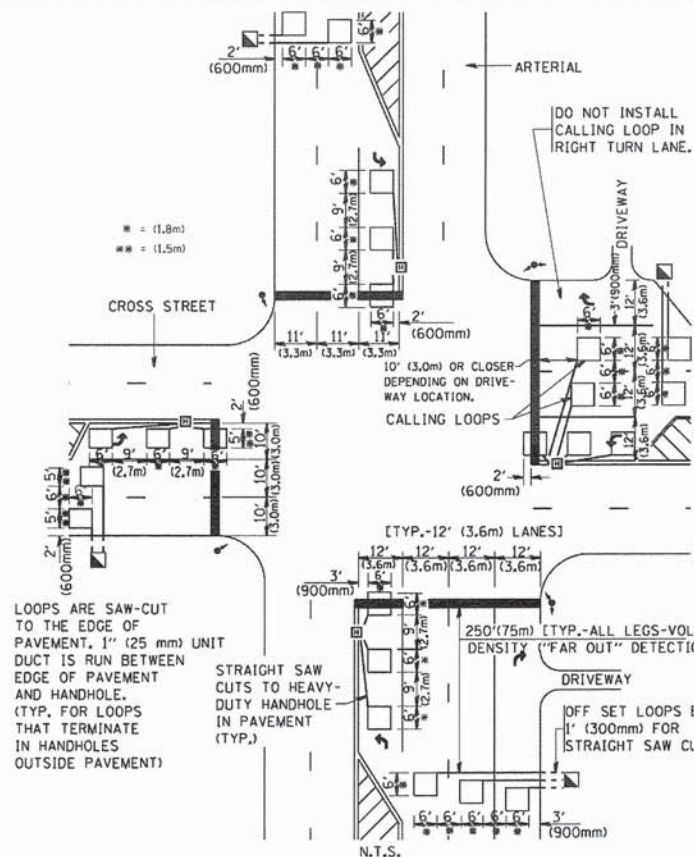
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)



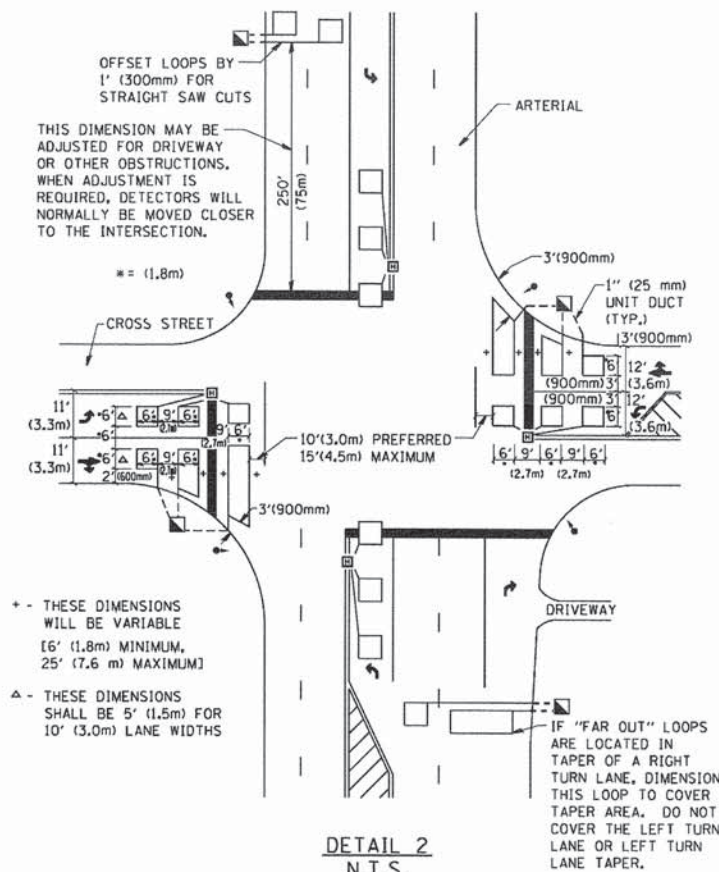
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1  
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2  
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME \*  
W:\diststd\22x34\ts07.dgn

USER NAME \* gegl1n0bt  
PLOT SCALE = 50.0000' / IN.  
PLOT DATE = 1/4/2008

DESIGNED -  
DRAWN -  
CHECKED - R.K.F.  
DATE -

REVISED -  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION  
DETAILS FOR ROADWAY RESURFACING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	208b
TS-07			CONTRACT NO. 63851	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE (3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10') OR LESS.

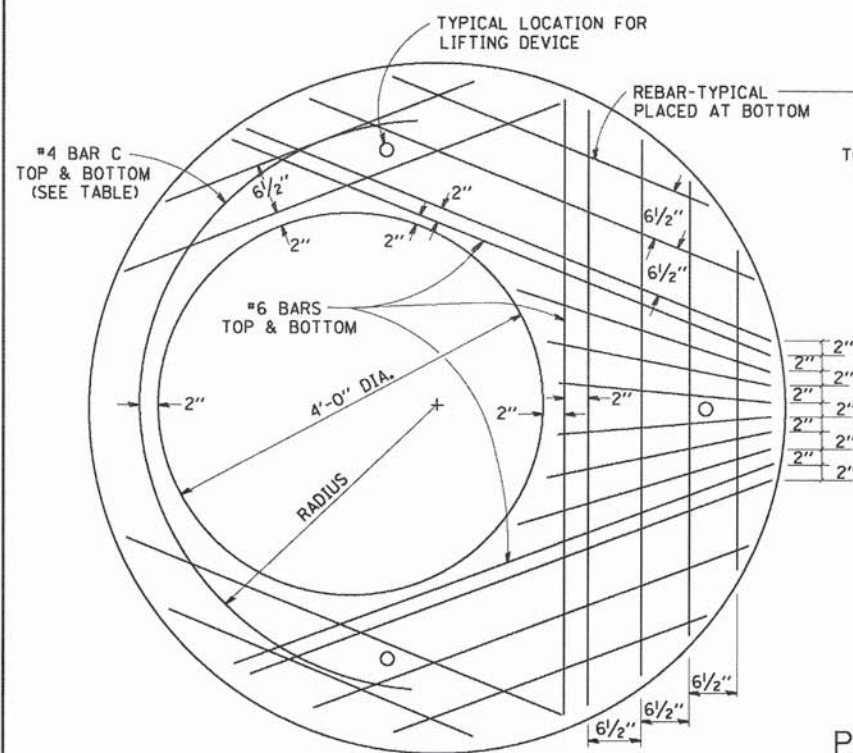
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS. REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCEMENT BARS WILL BE PERMITTED.

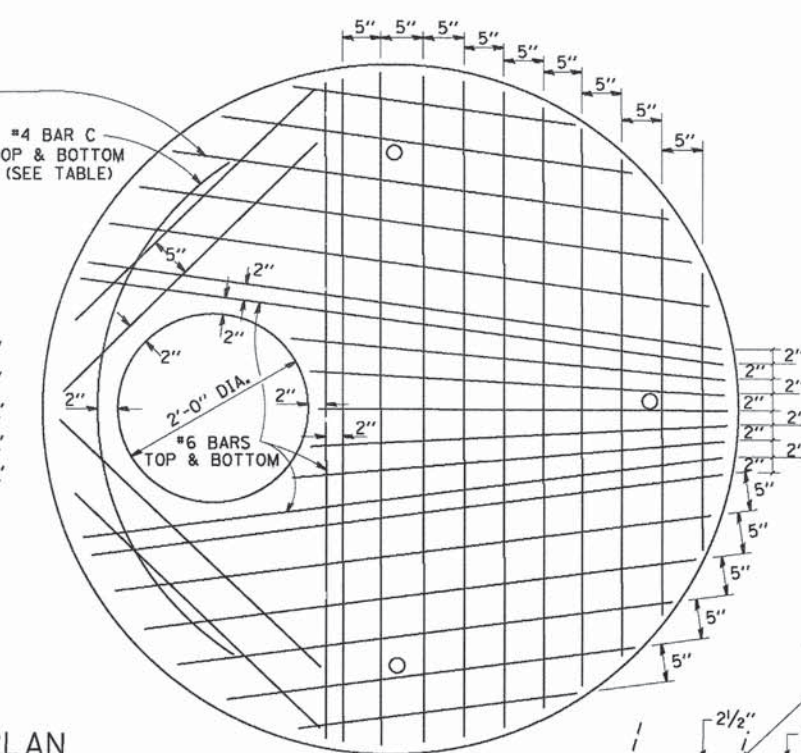
BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

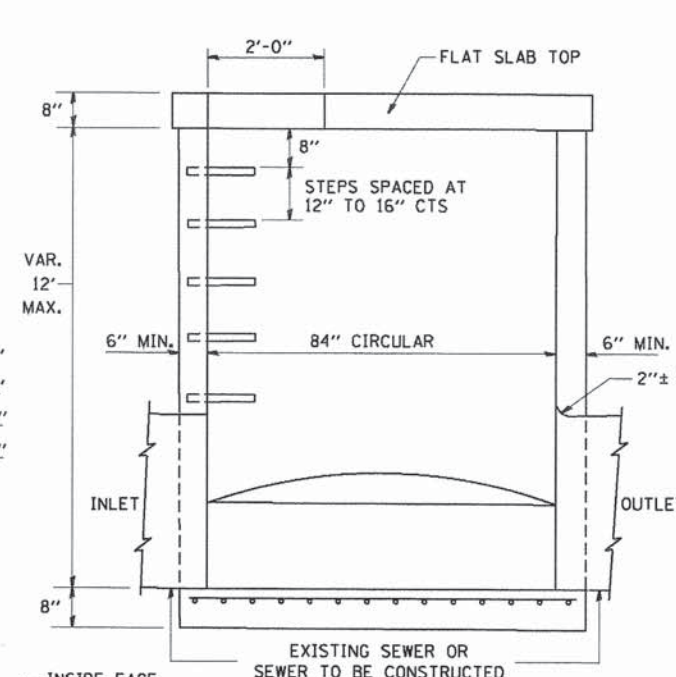
LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.



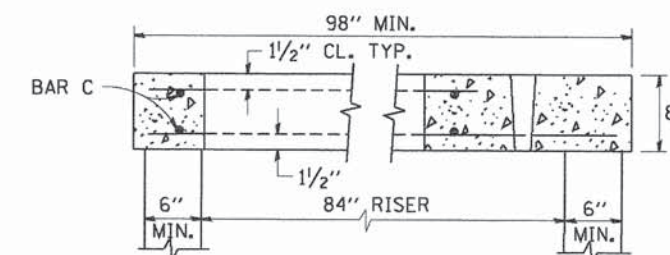
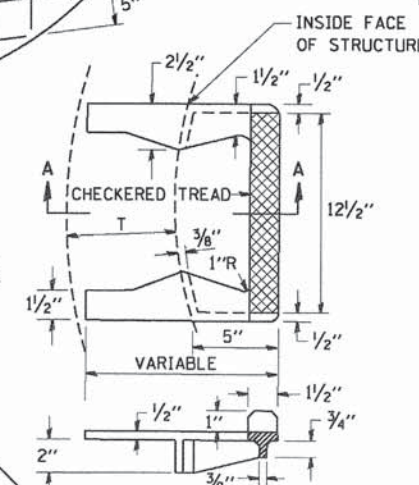
**PLAN**  
SHOWING REBAR REINFORCEMENT



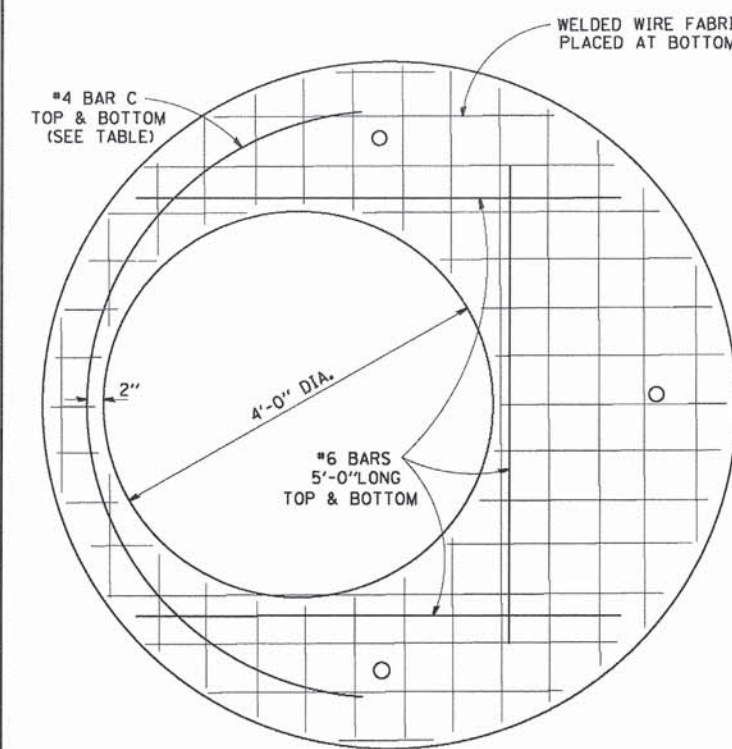
**SEC. A-A**  
**CAST IRON STEPS**



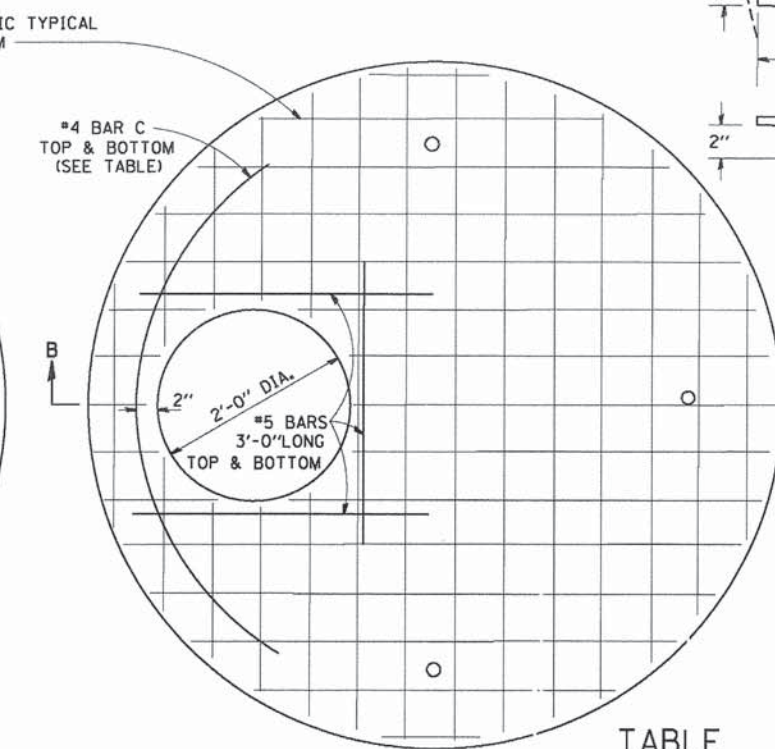
**ELEVATION**



**SECTION B-B**



**PLAN**  
SHOWING WELDED WIRE FABRIC REINFORCEMENT

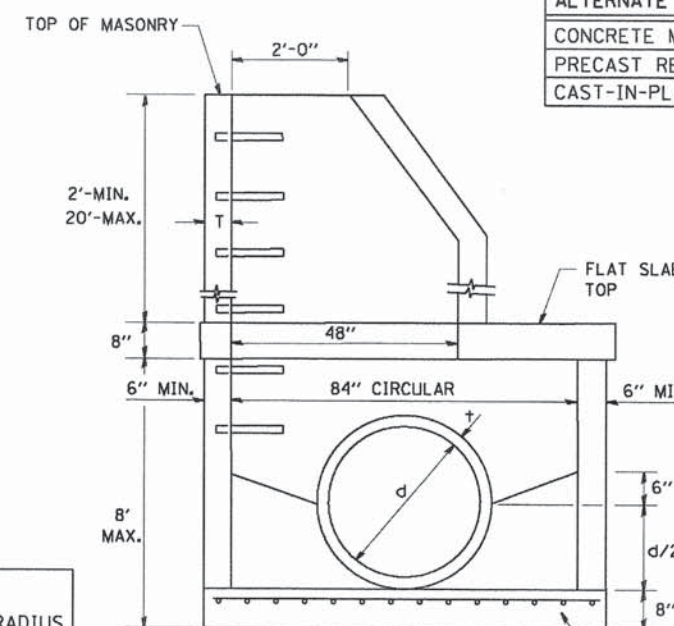


**TABLE**

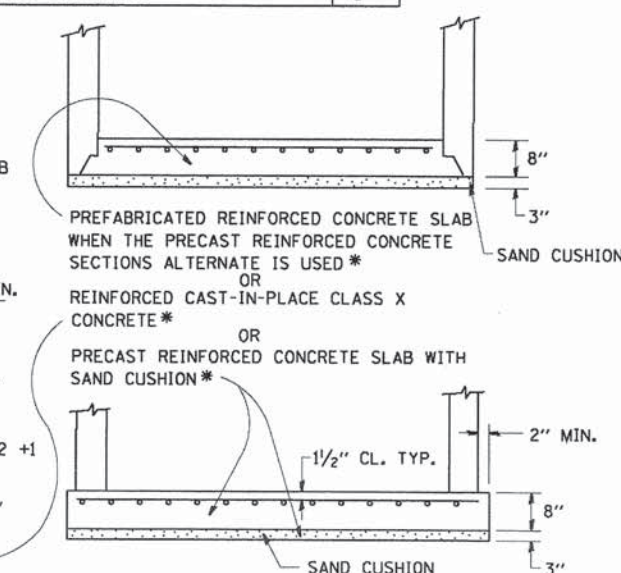
DIAMETER OF OPENING	REINFORCEMENT "A" WWF OR BAR SIZE EACH DIRECTION	BAR C SIZE	BAR C		
			SIZE	LENGTH	RADIUS
2'-0"	1.06 SO.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SO.IN./LIN.FT.	#6	#4	9'-0"	38"

NOTE: THIS STRUCTURE SHOULD BE USED WITH PIPES SIZE 54" DIA. OR SMALLER.

ALTERNATE MATERIALS FOR RISERS	T (MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"



**ELEVATION**



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PLOT DATE = 1/4/2008

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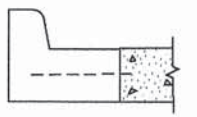
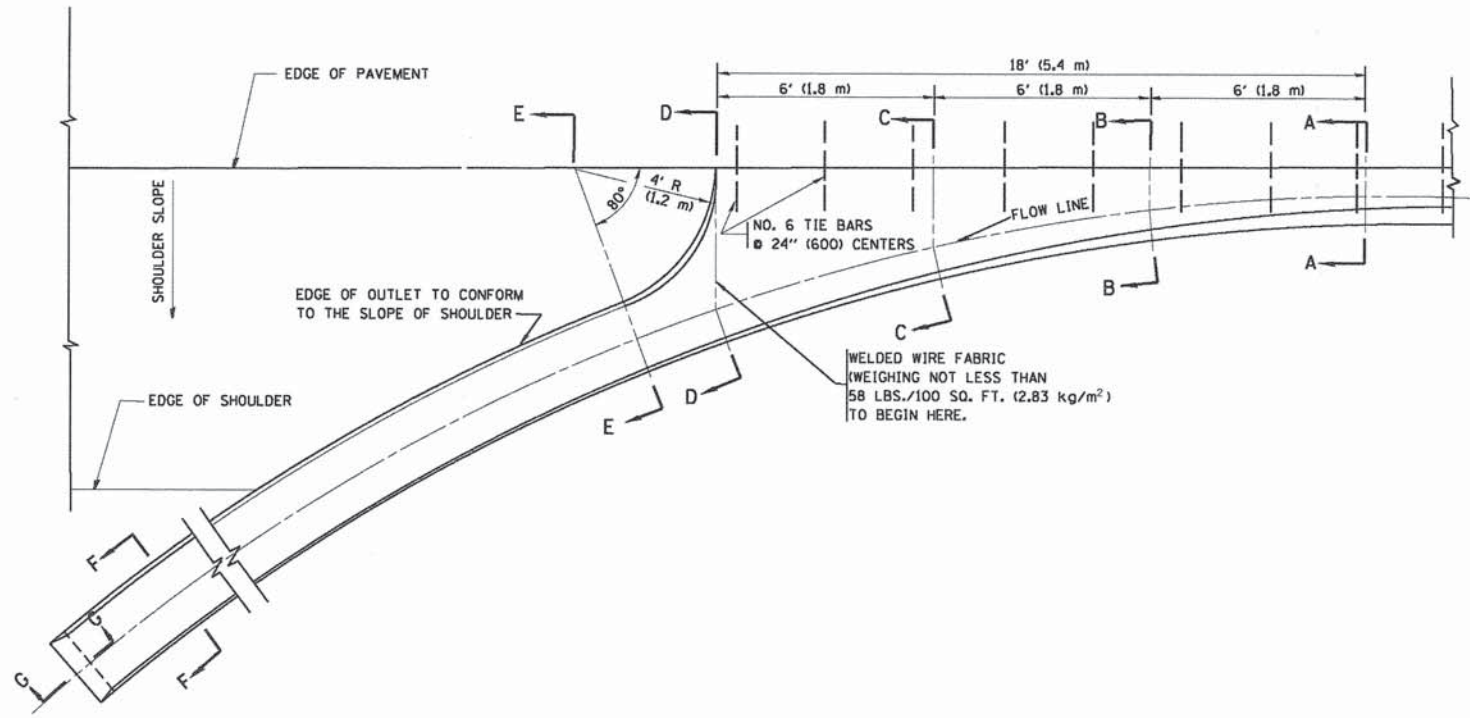
REVISED -  
REVISED -  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MANHOLE TYPE A**  
**7 FOOT DIAMETER**

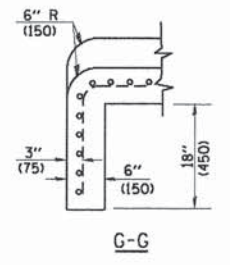
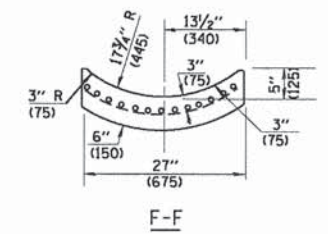
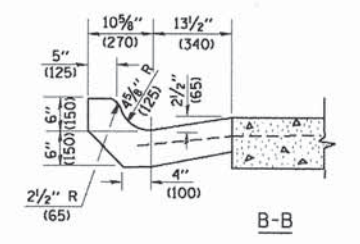
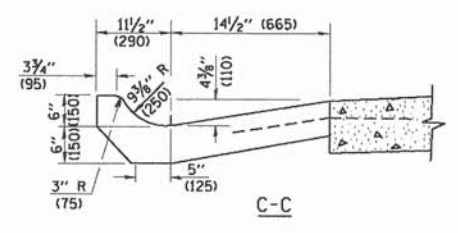
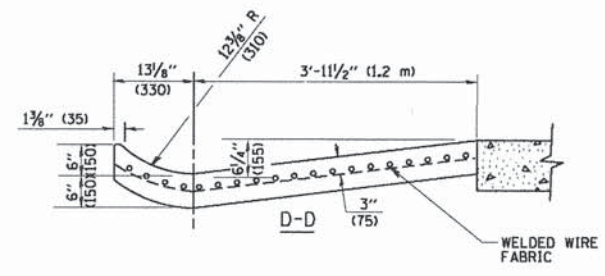
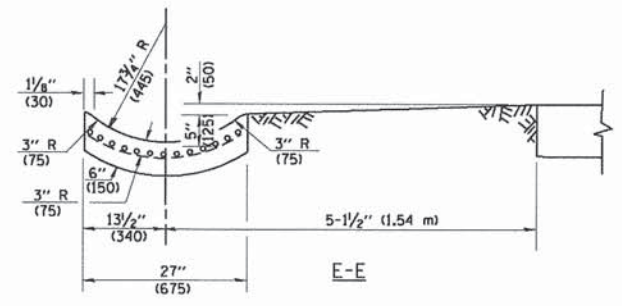
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	208c
BD600-11 (BD-37)		CONTRACT NO.	63851	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



A-A \*

\* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



**GENERAL NOTES**

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24\" (600) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

**QUANTITIES**

FOR SECTION A-A TO E-E AND CURTAIN WALL =  
 1.25 CU. YDS. (0.96 m<sup>3</sup>) CLASS S1 CONCRETE (OUTLET) FOR 9\" (225) PAV'T.  
 1.27 CU. YDS. (0.96 m<sup>3</sup>) CLASS S1 CONCRETE (OUTLET) FOR 10\" (250) PAV'T.  
 FOR SECTION F-F =  
 0.045 CU. YDS. (0.03 m<sup>3</sup>) CLASS S1 CONCRETE PER FT. (m).

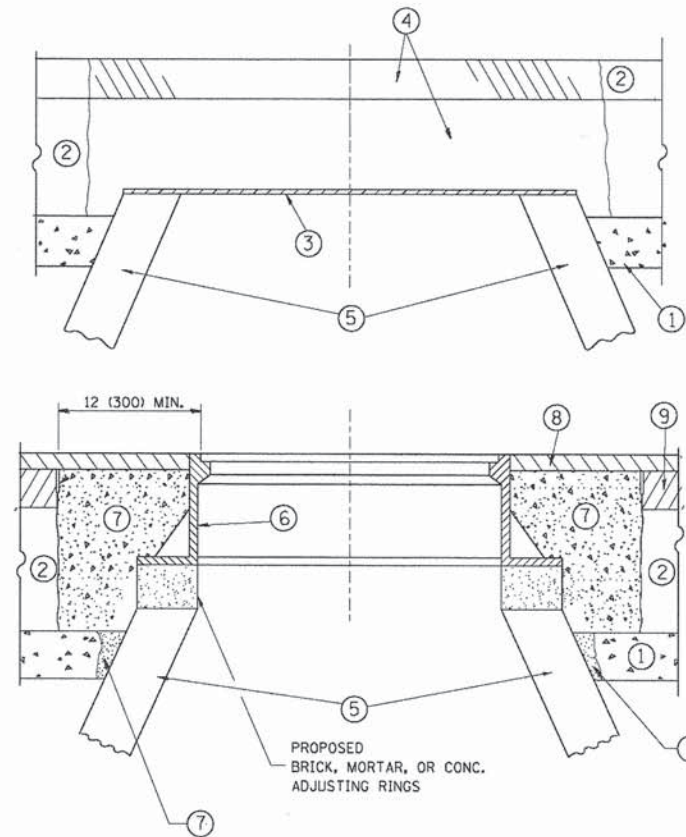
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - E. GOMEZ 12-21-00
		DATE - 08-04-86	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>OUTLET FOR CONCRETE CURB AND GUTTER</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	209
<b>BD600-01 (BD-03)</b>		<b>CONTRACT NO. 63851</b>		
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				



**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

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

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

**LEGEND**

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

**LOCATION OF STRUCTURES:**

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

**BASIS OF PAYMENT:**

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

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

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

**NOTES:**

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

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

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

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

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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

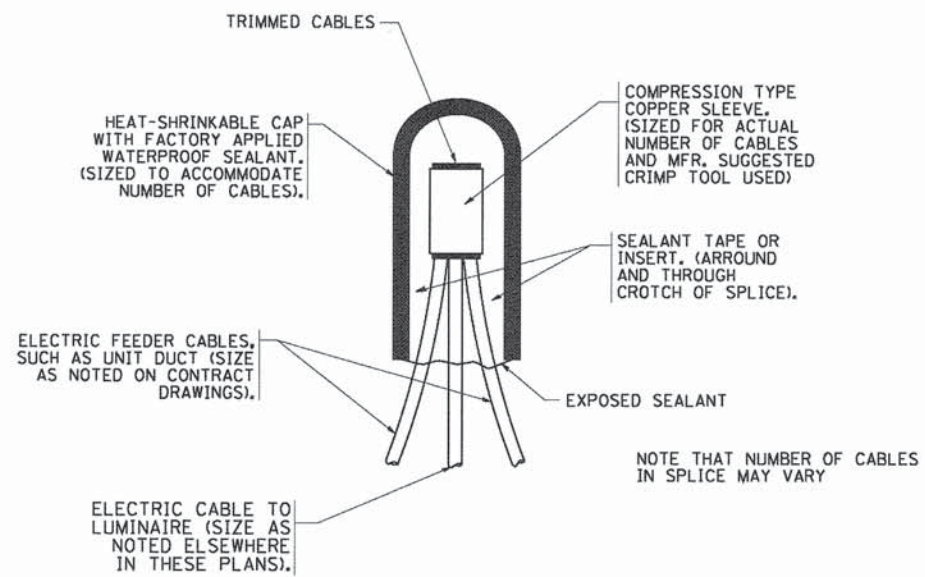
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		CHECKED -	REVISED - R. BORO 03-09-11
		DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

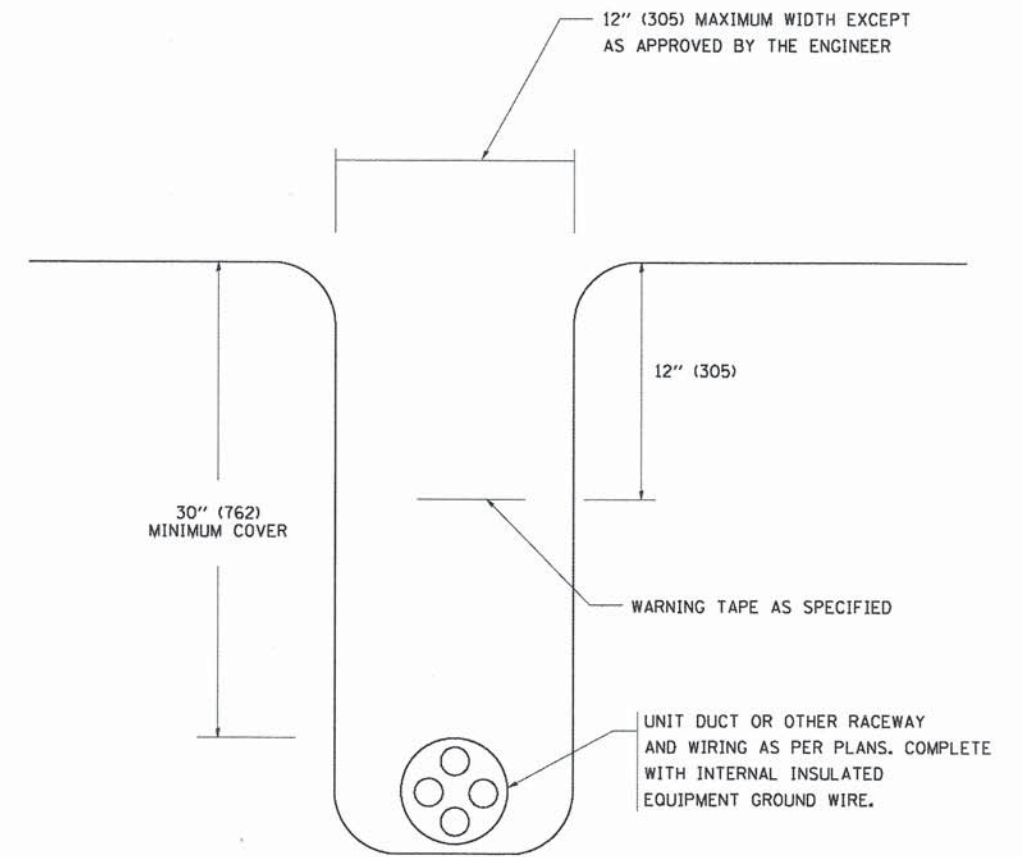
**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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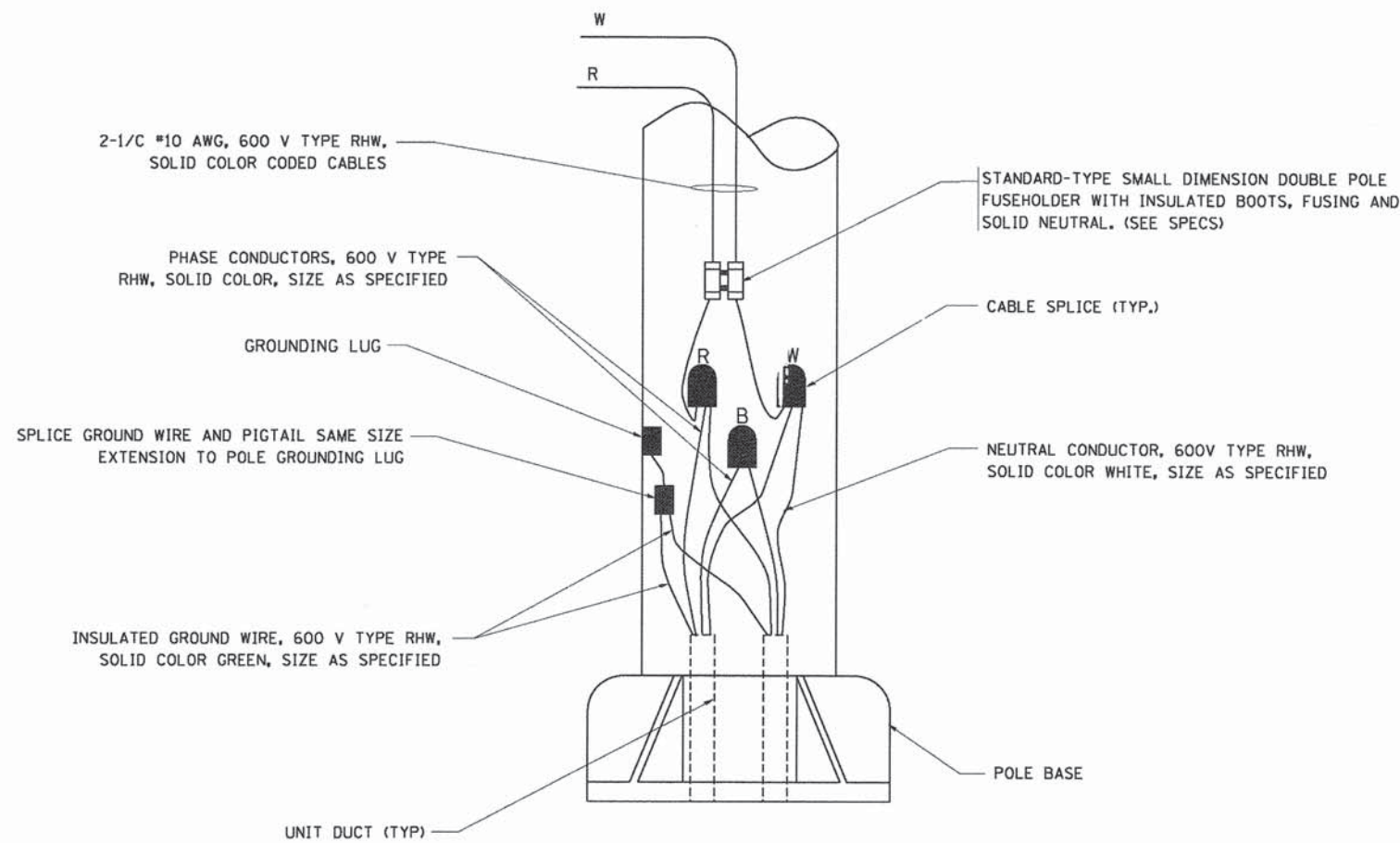
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0369	12-00233-07-PV	DU PAGE	285	210
BD600-03 (BD-8)			CONTRACT NO. 63851	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TYPICAL SPLICE DETAIL**  
N.T.S.

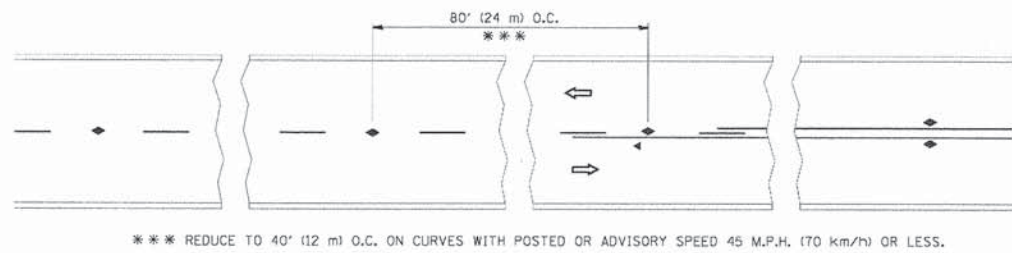


**TYPICAL WIRING IN TRENCH DETAIL**  
N.T.S.



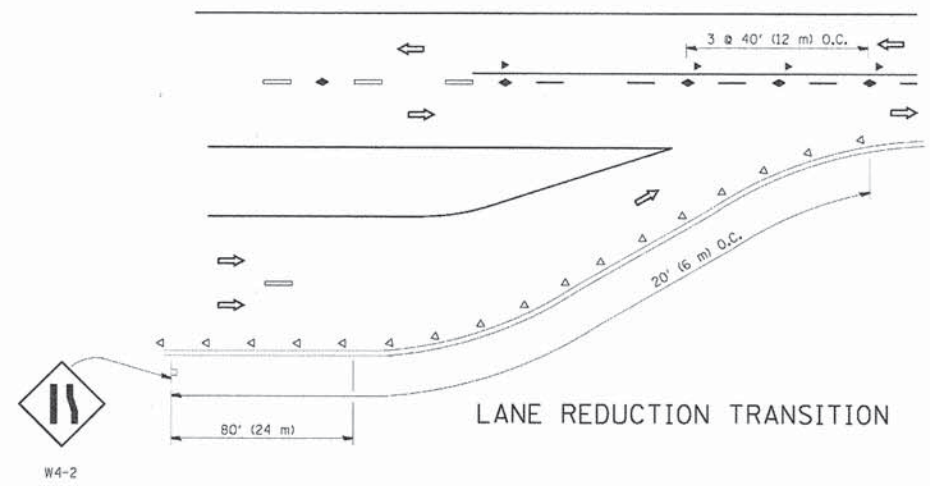
**POLE WIRING DETAIL**  
N.T.S.

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	PLOT SCALE = 50,000' / IN.	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT		
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -								CONTRACT NO. 63851		
		DATE -	REVISED -										

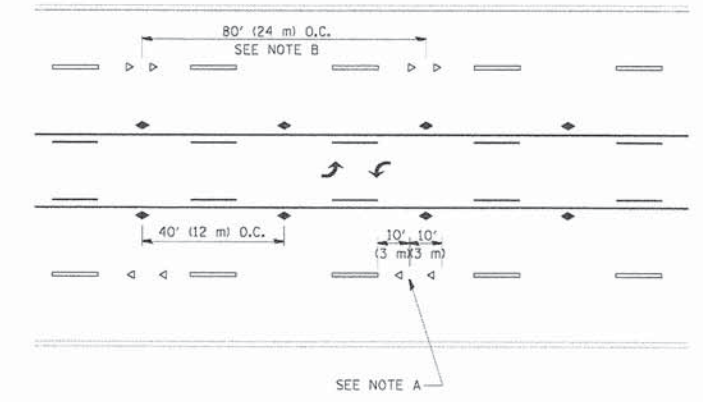


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

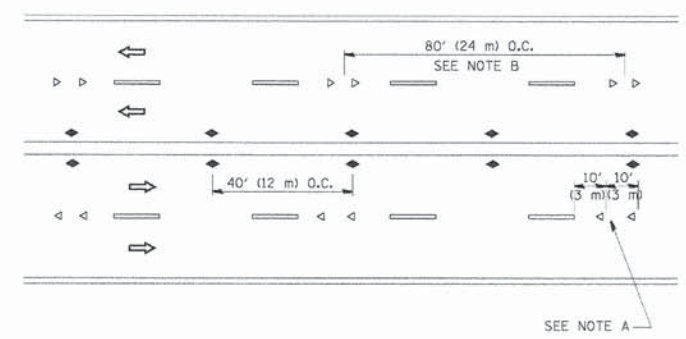
TWO-LANE/TWO-WAY



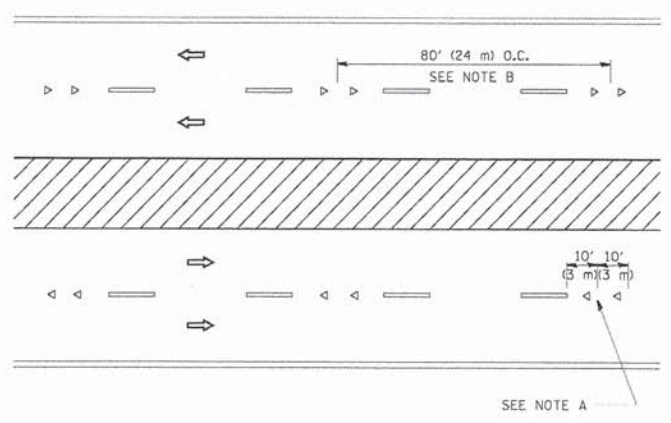
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

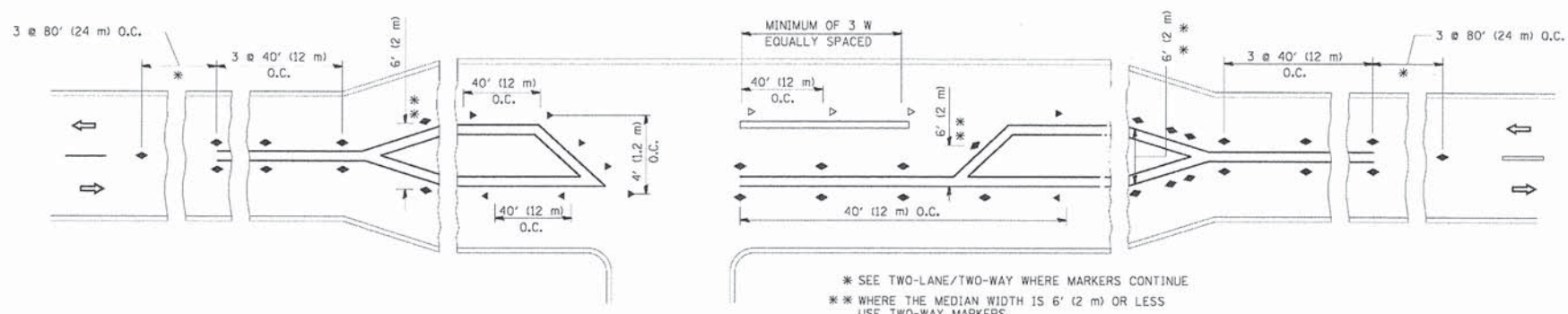
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

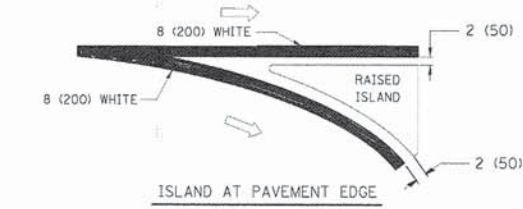
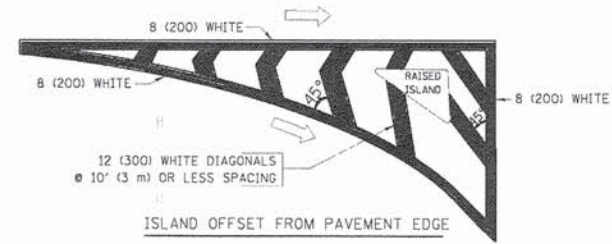
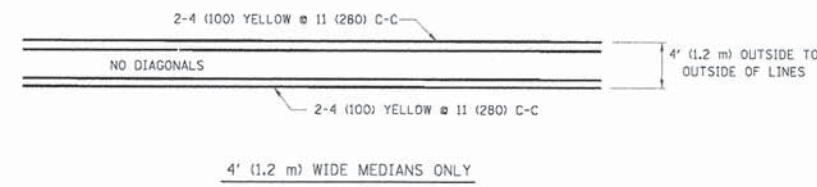
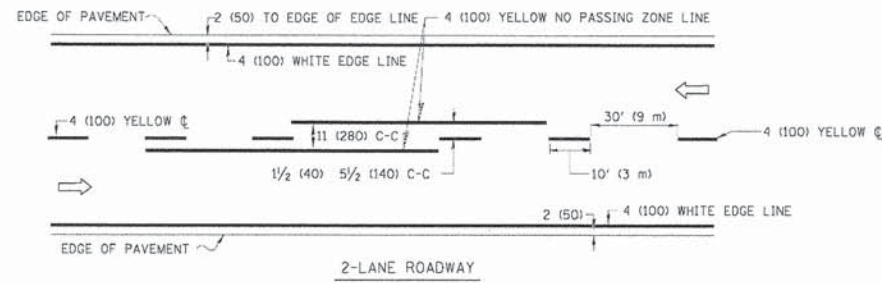


LEFT TURN

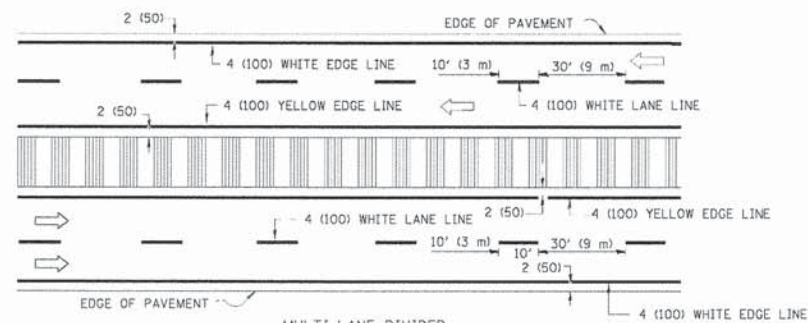
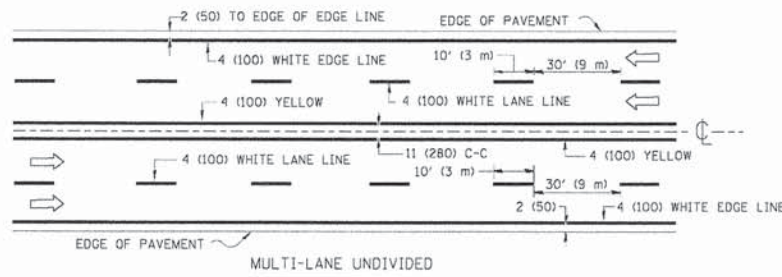
\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

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	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - T. RAMMACHER 03-12-99		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	<b>TC-11</b>		CONTRACT NO. 63851
	PLOT DATE = 3/2/2011	CHECKED -	REVISED - T. RAMMACHER 01-06-00										
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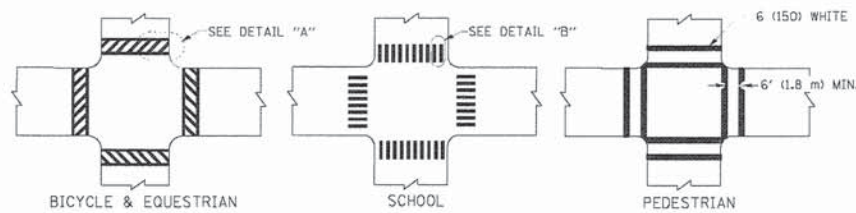


TYPICAL ISLAND MARKING

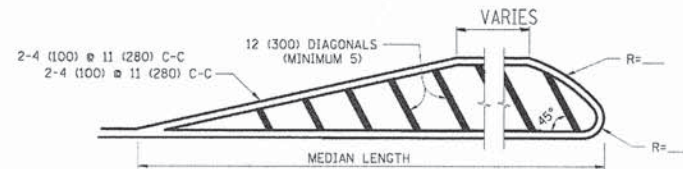


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



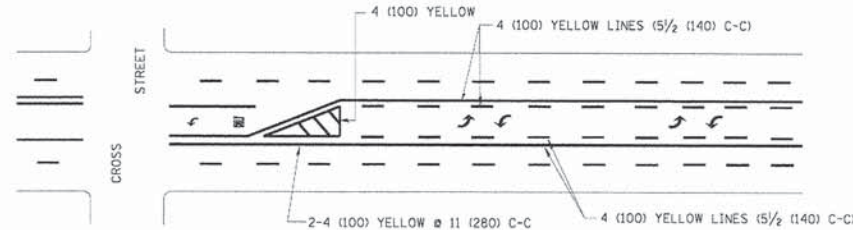
TYPICAL CROSSWALK MARKING



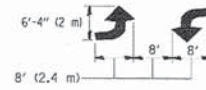
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

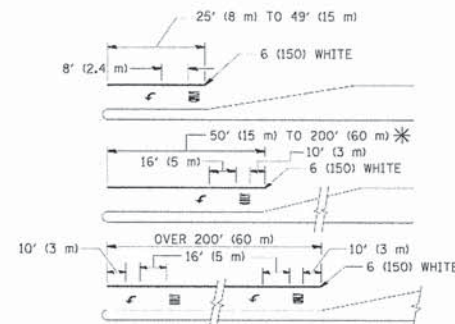


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



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

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW. EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "RR"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

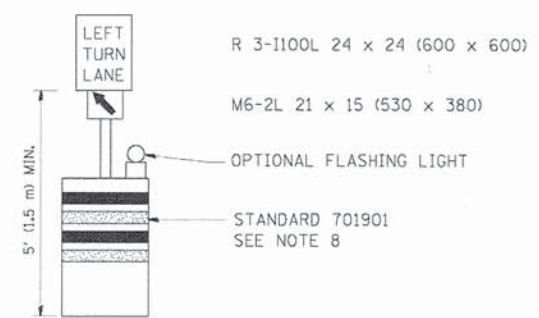
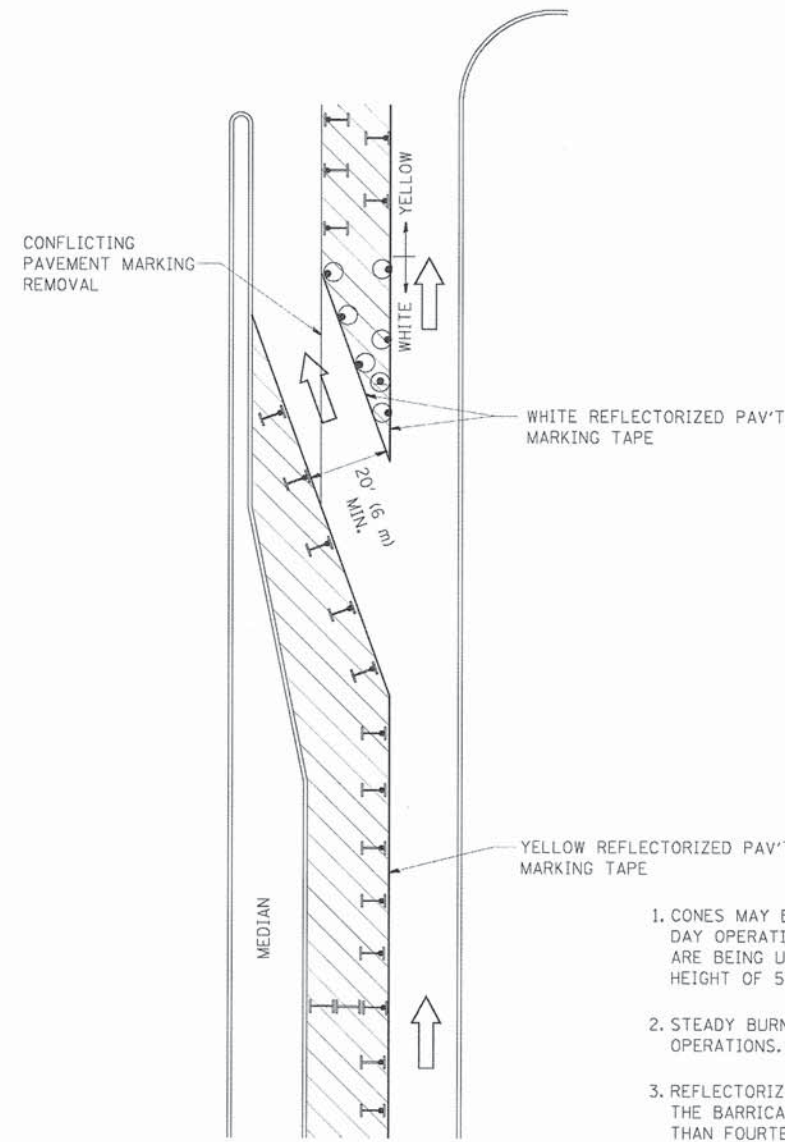
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	PLOT DATE = 9/5/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	213
TC-13			CONTRACT NO. 63851	
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				











**GENERAL NOTES**

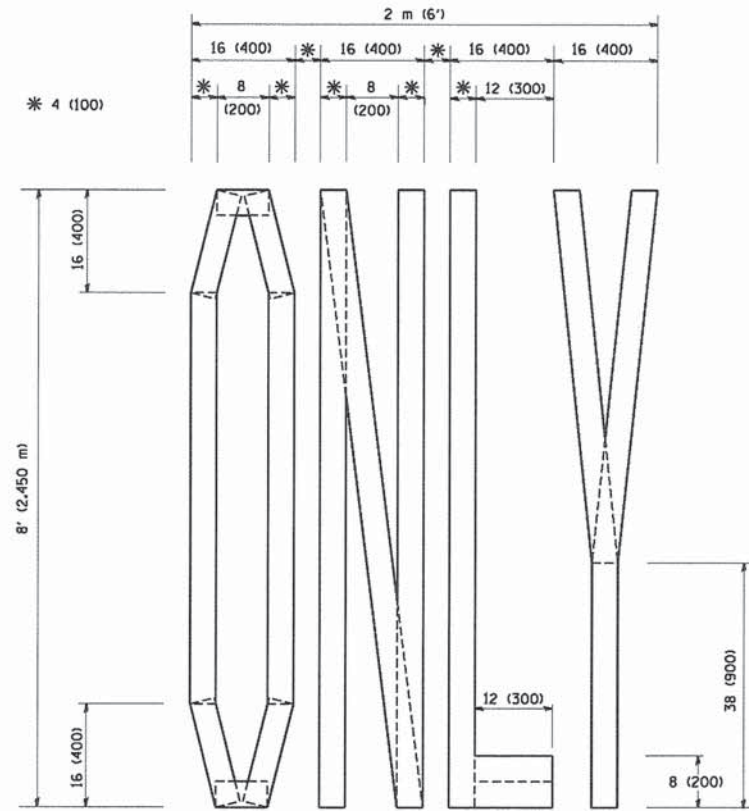
1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

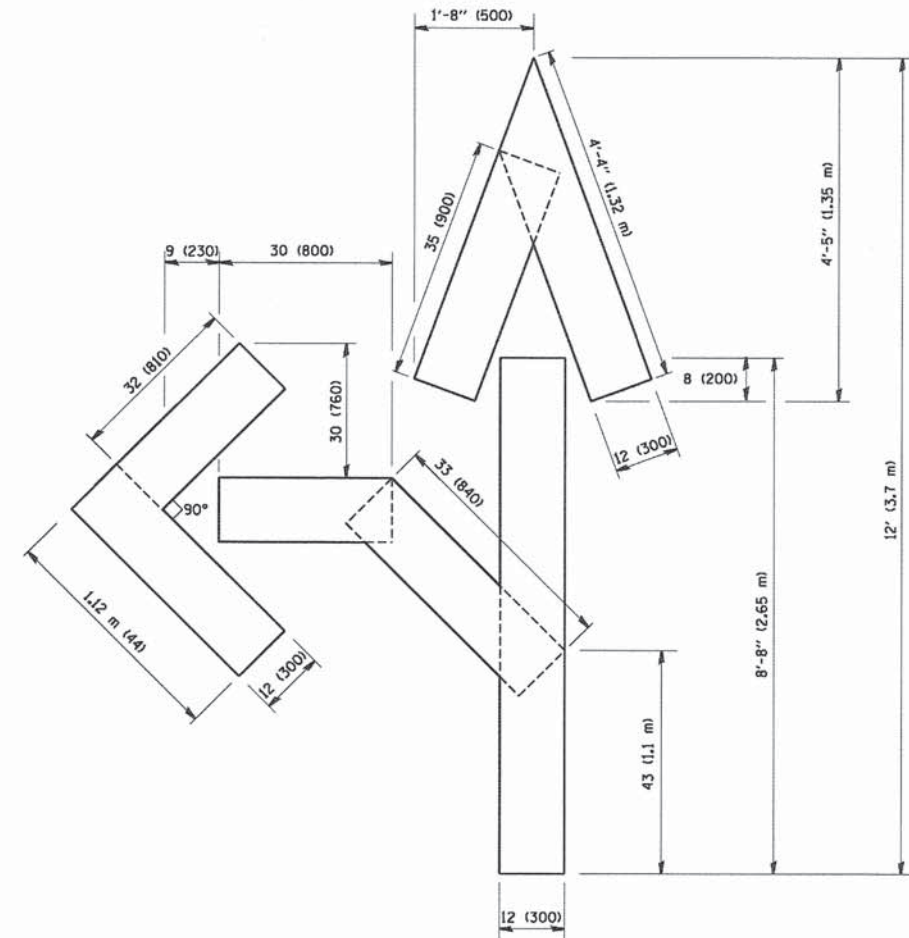
**LEGEND**

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

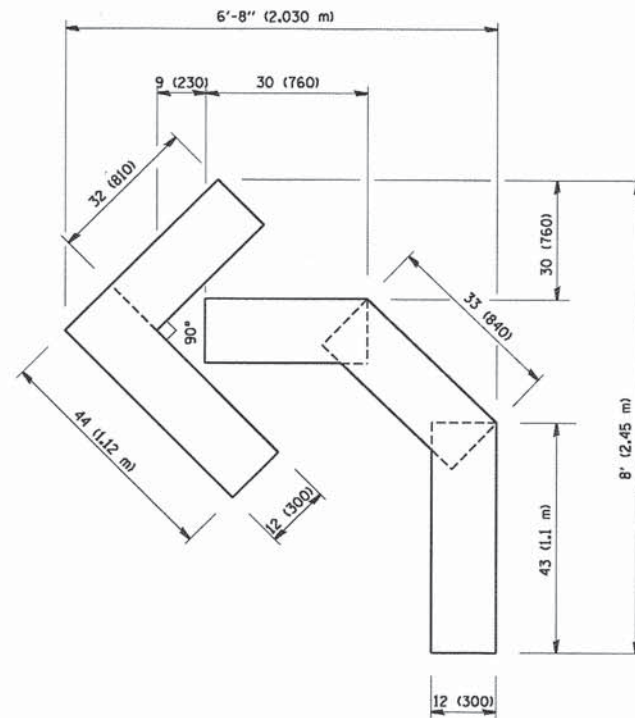
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es:\pw\work\PM1100T\DRIVAKOSGN\BTRR315\14.dgn		REVISED - A. HOUSEH 11-07-95	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	0369	12-00233-07-PV	DU PAGE	285	214
		REVISED - A. HOUSEH 10-12-96	REVISED -					<b>TC-14</b>		CONTRACT NO. 63851			
		REVISED - T. RAMMACHER 01-06-00	REVISED -		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT								



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



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



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

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

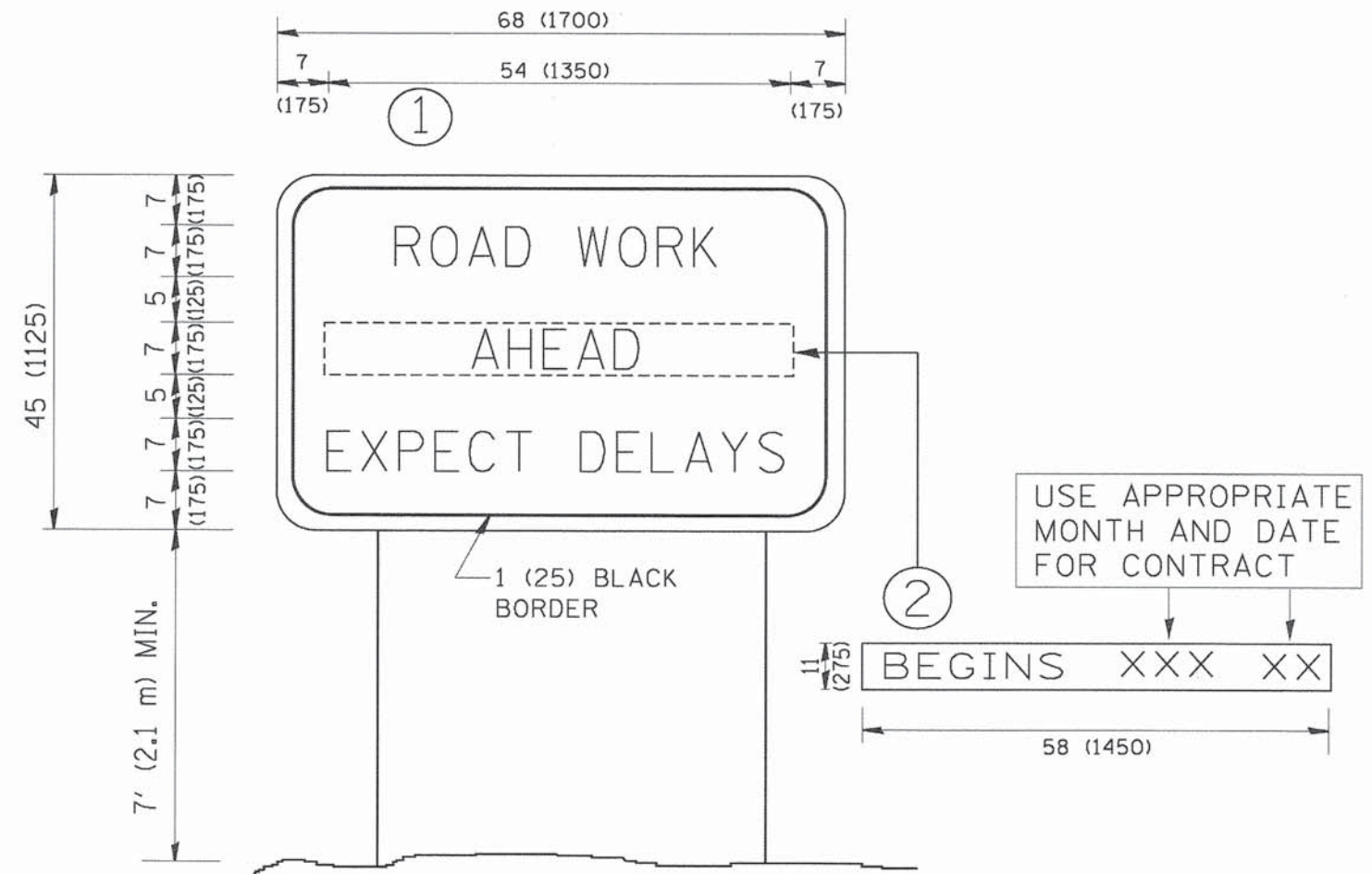
FILE NAME = W:\diststd\22x34\tbl6.dgn	USER NAME = gegliamobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	215
TC-16			CONTRACT NO. 63851	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

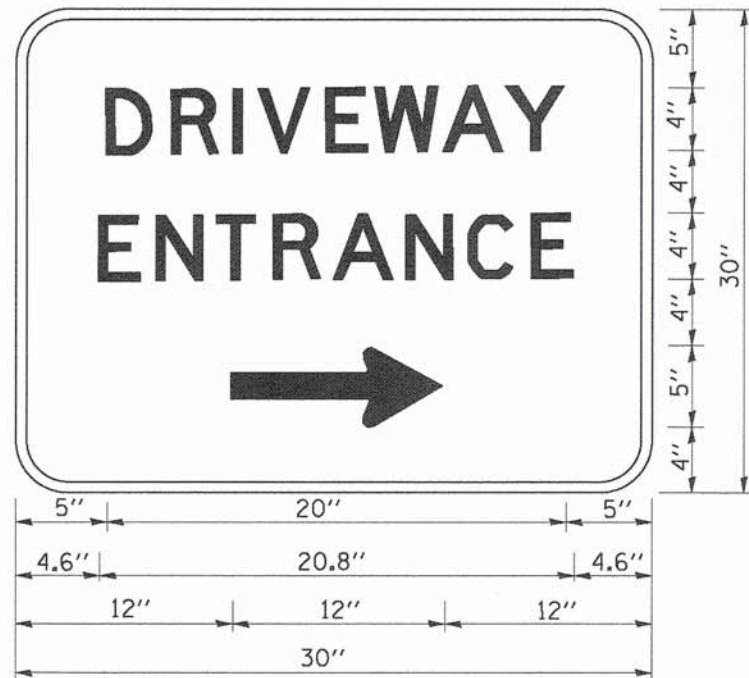


**NOTES:**

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

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

FILE NAME = W:\diststd\22x34\to22.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN -	REVISED - REVISED -	R. MIRS 09-15-97 R. MIRS 12-11-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>			F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 216
PLOT SCALE = 50.000 "/ IN.	CHECKED -	REVISED - REVISED -	T. RAMMACHER 02-02-99 C. JUCIUS 01-31-07	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>TC-22</b>		<b>CONTRACT NO. 63851</b>		
PLOT DATE = 1/4/2008	DATE -			FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT									



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

**NOTES:**

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

FILE NAME = W:\d:\stsd\22x34\st26.dgn	USER NAME = geglienobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
		DRAWN -	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

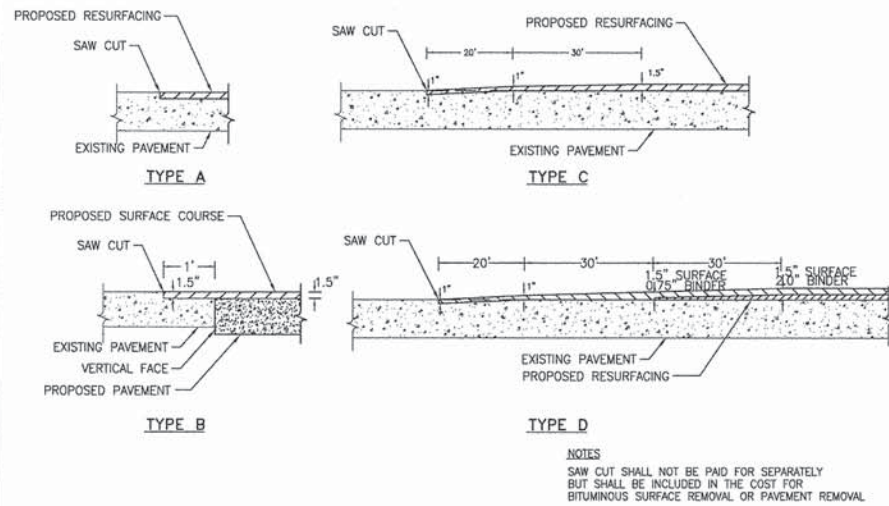
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

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

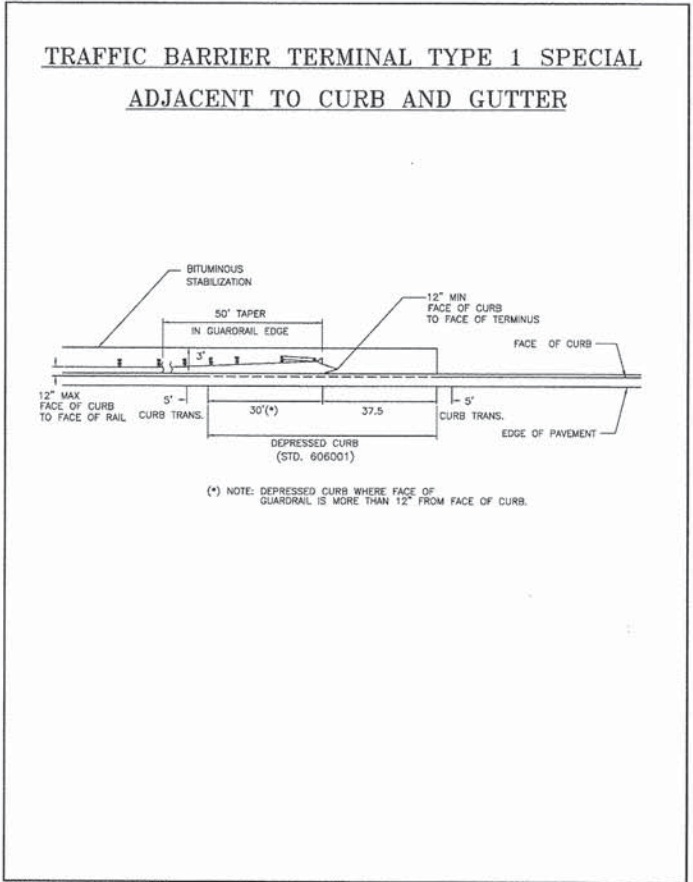
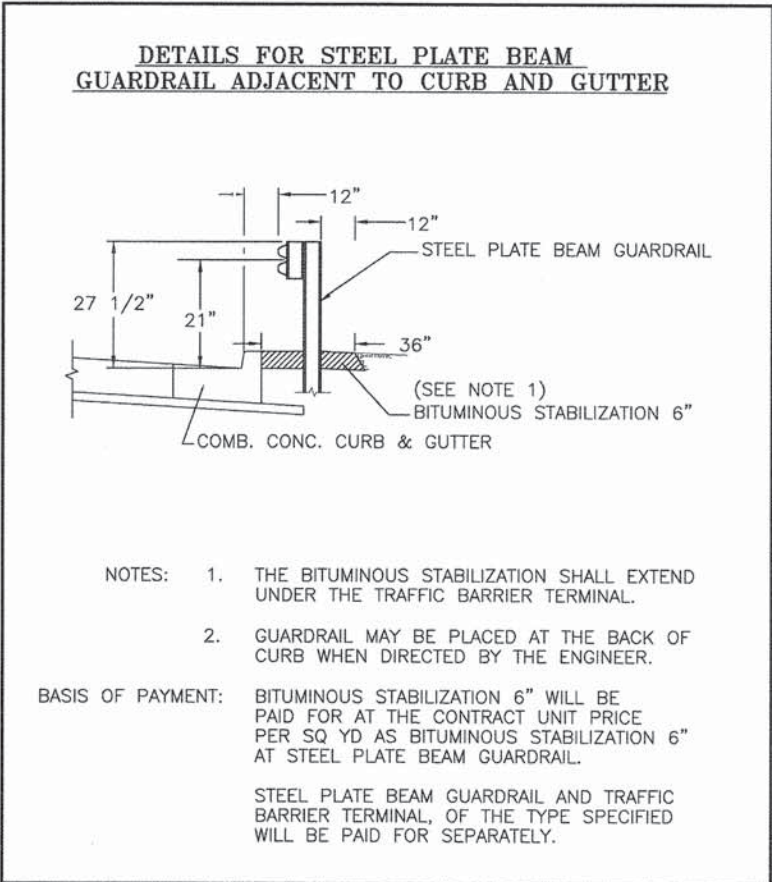
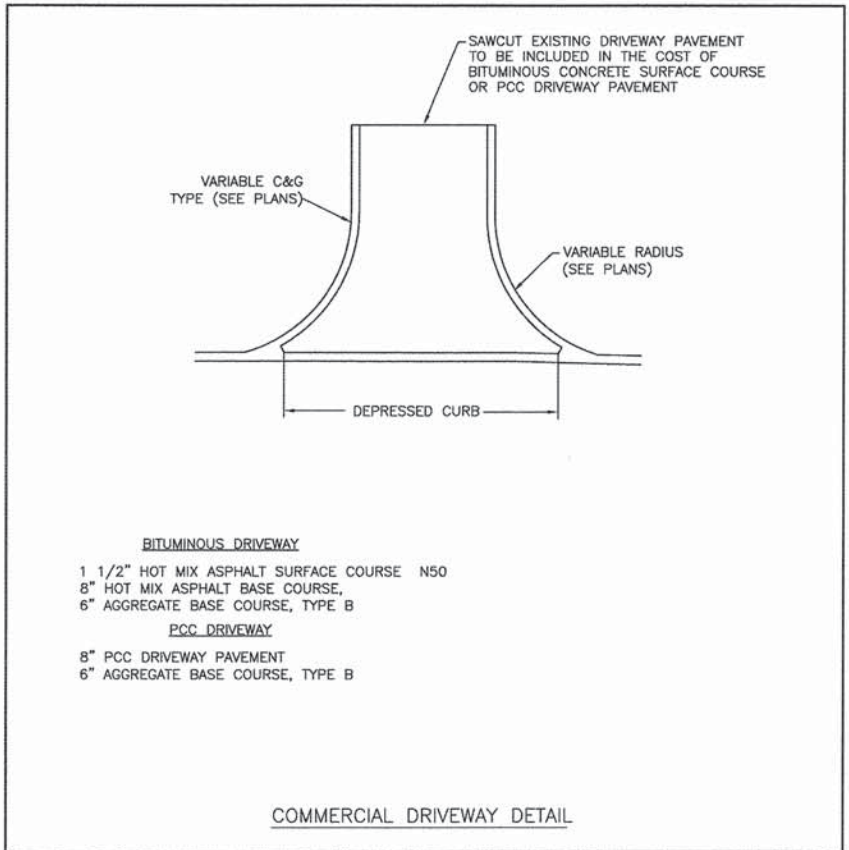
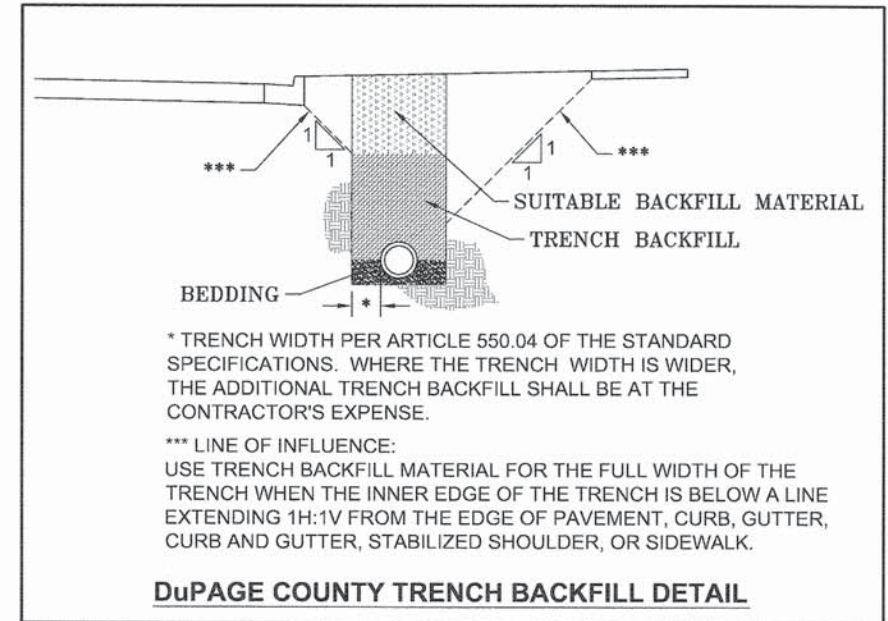
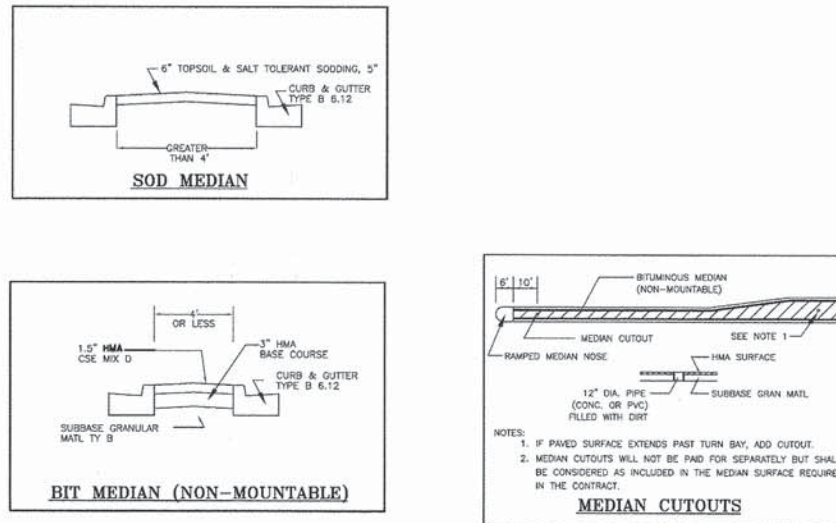
F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 217
TC-26			CONTRACT NO. 63851	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**BUTT JOINT DETAILS**



NOTES:  
SAW CUT SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR BITUMINOUS SURFACE REMOVAL OR PAVEMENT REMOVAL

**MEDIAN DETAILS**



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
		DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DUPAGE COUNTY DETAILS**

SCALE: NONE SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	218
CONTRACT NO. 63851				

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

**PAVEMENT MARKINGS AND PAVEMENT MARKERS**

**MATERIALS FOR PAVEMENT MARKINGS:**

LOCATION	MATERIAL
ALL MARKINGS ON BITUMINOUS PAVEMENT	THERMOPLASTIC PAVEMENT MARKINGS
ALL MARKINGS ON CONCRETE SURFACES	URETHANE PAVEMENT MARKINGS

**INSTALLATION OF PAVEMENT MARKINGS:**

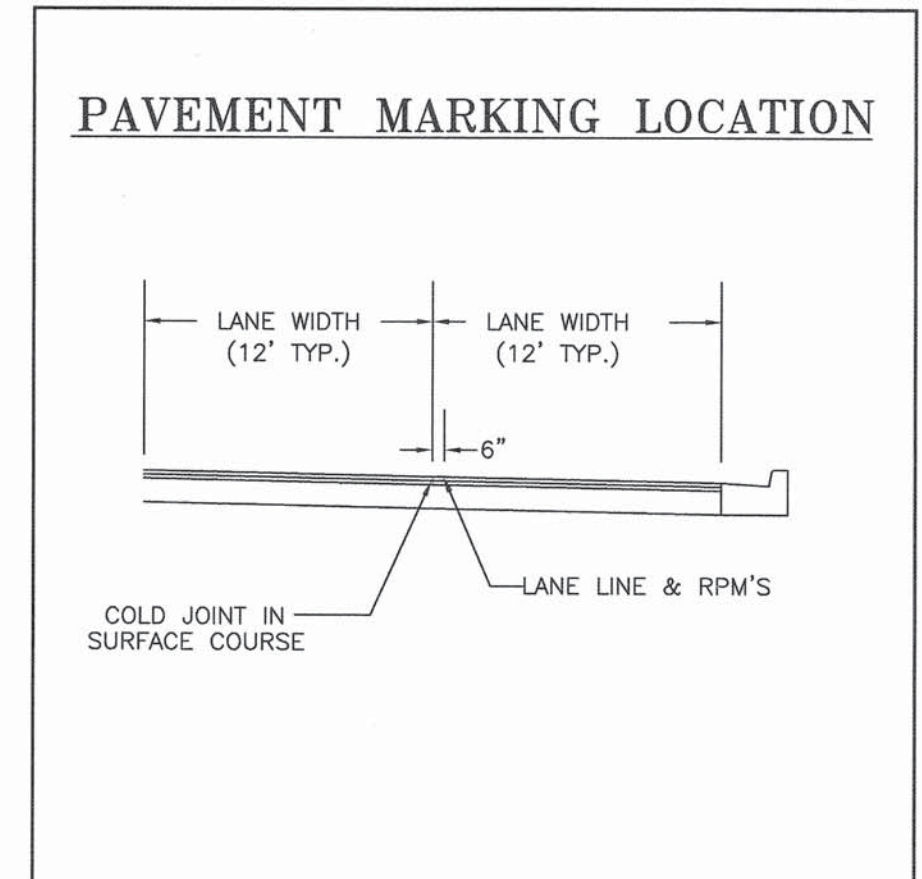
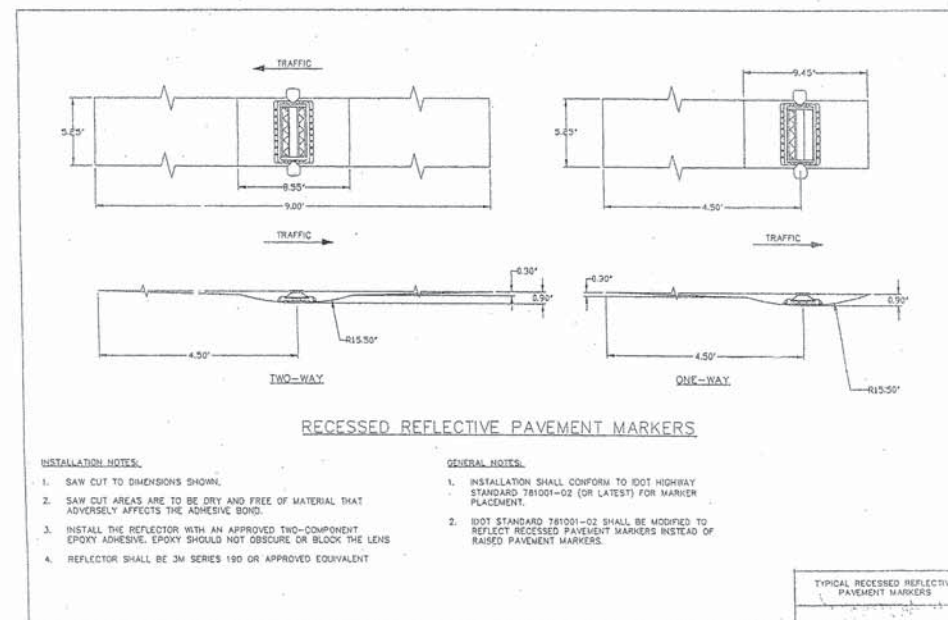
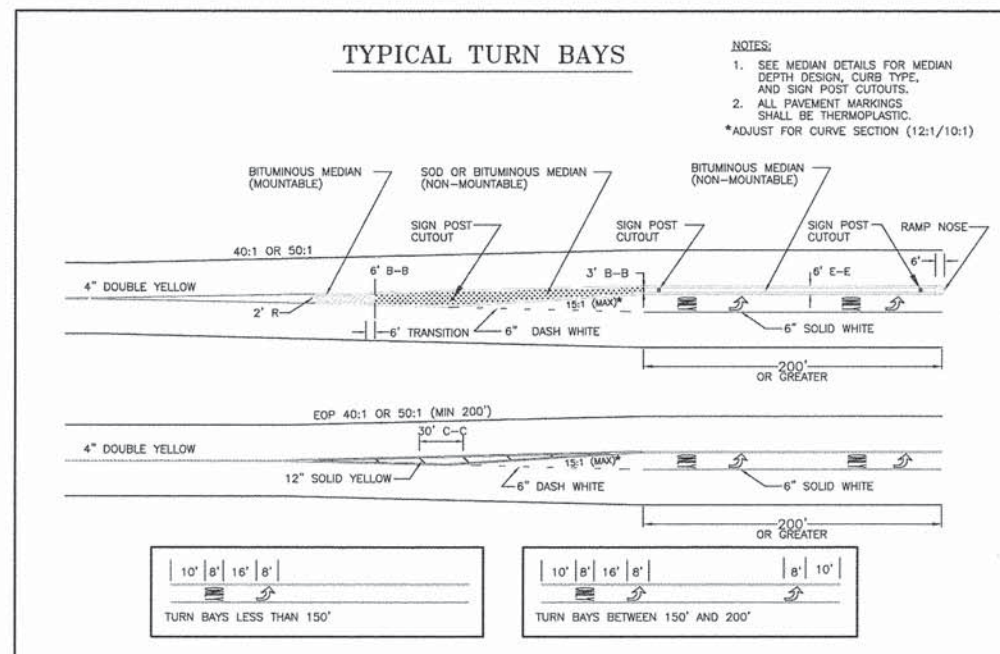
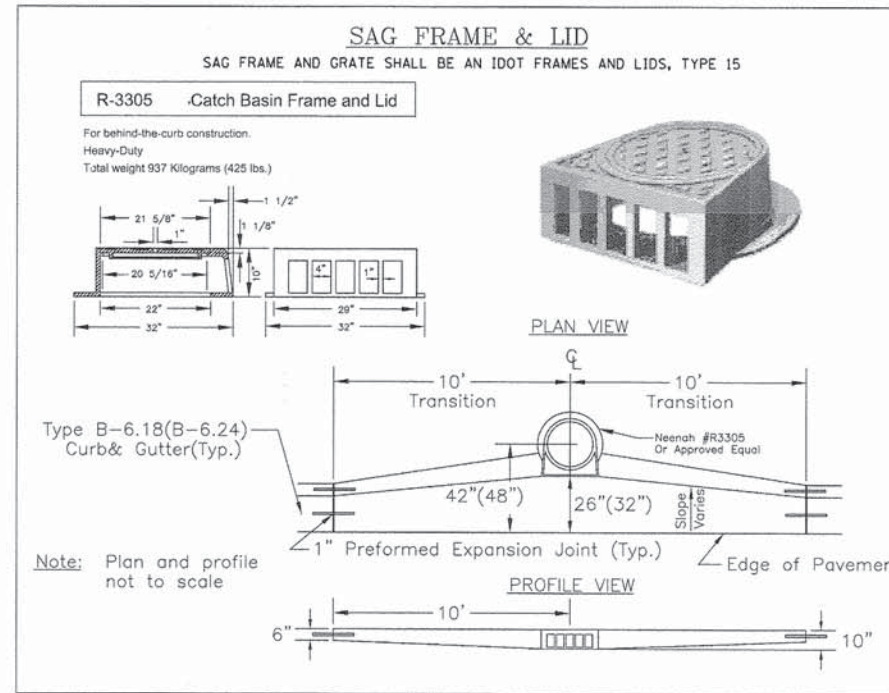
LOCATION	TYPE OF MARKING
PAINTED MEDIANS	4" DOUBLE YELLOW; 11" e-c AND 12" YELLOW @ 45°; 30" e-c
BARRIER MEDIANS	4" YELLOW
TURN BAY TAPERS ALONG THRU LANES	6" WHITE, 2' LONG, 6' SPACE (DOTTED WHITE)
START OF TURN BAYS	ARROW AND "ONLY"
END OF TURN BAYS 150'-200' LONG	ADDITIONAL ARROW 10' FROM END
TURN BAYS > 200' LONG	ADDITIONAL "ONLY"

ALL OTHER MARKINGS PER MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OF ILLINOIS.

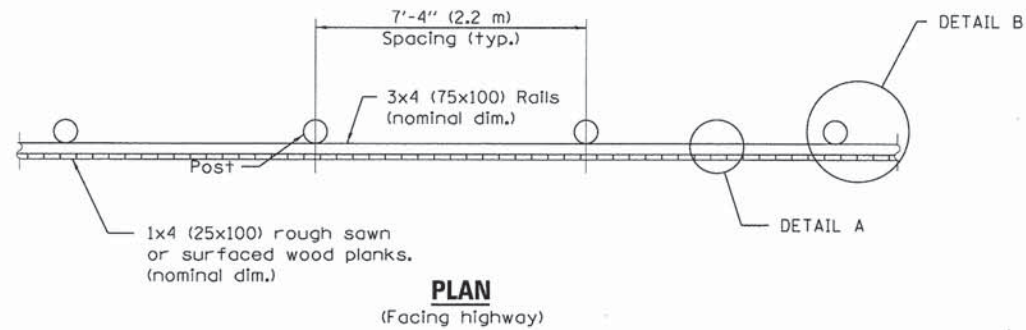
**INSTALLATION OF RECESSED REFLECTIVE PAVEMENT MARKERS:**

LOCATION	SPACING	TYPE
DOUBLE YELLOW CENTERLINE, & SKIP-DASH WHITE LANE LINES	40'	2-WAY YELLOW
APPROACH & DEPARTURE FROM INTERSECTIONS *	40'	2-WAY YELLOW
* EQUAL TO LENGTH OF TURN BAY, OR 200'	40'	2-WAY YELLOW
ALONG CURVES OR TAPERS	80'	1-WAY YELLOW
TANGENT SECTIONS	40'	1-WAY YELLOW
SOLID LANE LINES (TURN BAYS)	3 @ 3' LATERAL	NONE **
END OF PAINTED MEDIANS	3 @ 3' LATERAL	NONE **
DOUBLE YELLOW CENTERLINE	2-WAY YELLOW	2-WAY YELLOW
PAINTED MEDIANS ≤ 4' WIDE	2-WAY YELLOW	2-WAY YELLOW
PAINTED MEDIANS > 4' WIDE	1-WAY YELLOW	1-WAY YELLOW
YELLOW LINE ALONG BARRIER MEDIANS	NONE **	NONE **
** EXCEPT IN SPECIAL CIRCUMSTANCES		
SKIP-DASH WHITE LANE LINES, SOLID LANE LINES (TURN BAYS)	1-WAY WHITE	1-WAY WHITE
2-WAY, UNDIVIDED ROADWAY	2-WAY WHITE / RED	2-WAY WHITE / RED
1-WAY ROADWAY, OR DIVIDED WITH BARRIER MEDIUM	2-WAY WHITE / RED	2-WAY WHITE / RED

PROVIDE A 3M SERIES 190 REFLECTOR AND A MARKERONE SERIES R100 REFLECTOR HOLDER OR ENGINEER APPROVED EQUAL.

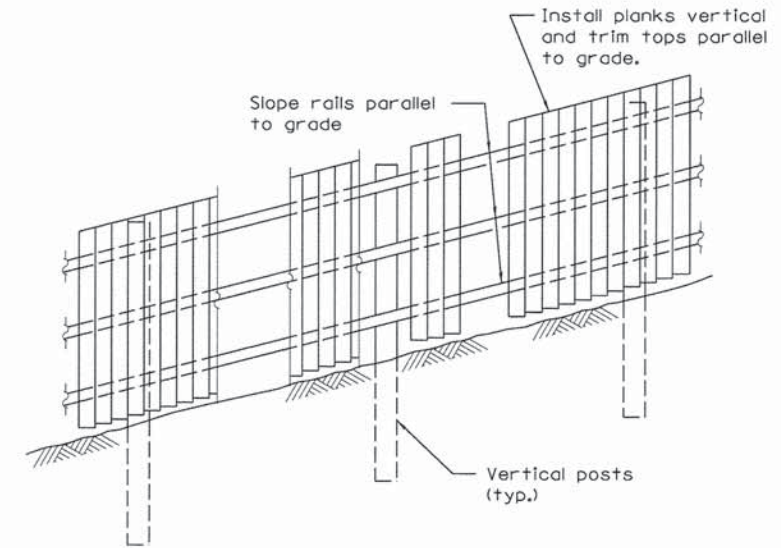


9/19/2008 Cold Joint - prvmt mk location.DWG

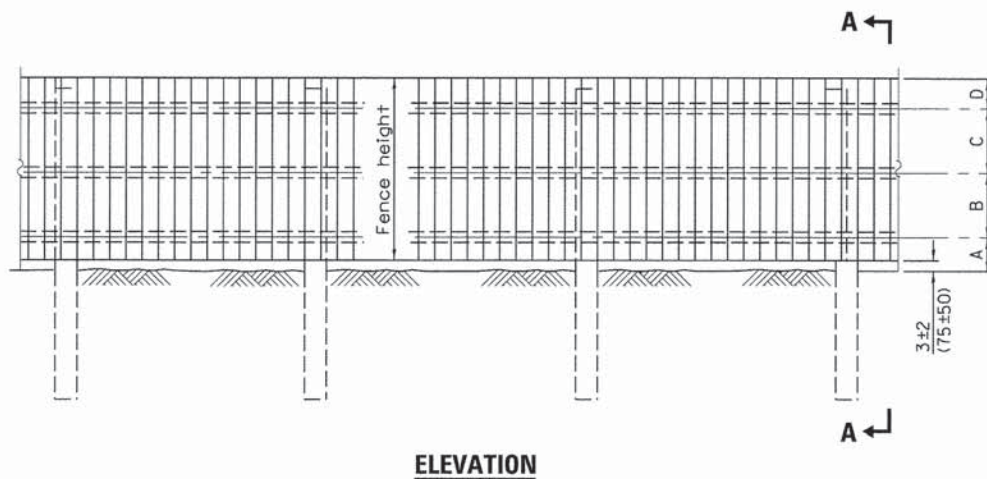


	GRASS AREA	WALL AREA
	6'-0" (1.8 m)	6'-0" (1.8 m)
• Post Size (nominal dim.)	3" R (76x76)	3" R (76x76)
Post Length	10'-0" (3.0 m)	8'-0" (2.4 m)
Post Embedment	4'-0" (1.2 m)	2'-0" (0.6 m)
A	15 (380)	15 (380)
B	24 (600)	24 (600)
C	24 (600)	24 (600)
D	12 (300)	12 (300)

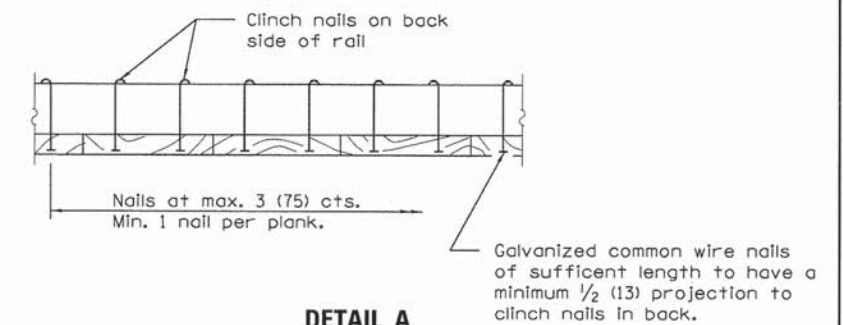
• FENCE POST SHALL BE 3" DIA SCH. 40 STEEL POST HOT DIPPED GALVANIZED WITH A STEEL CAP ON THE TOP.



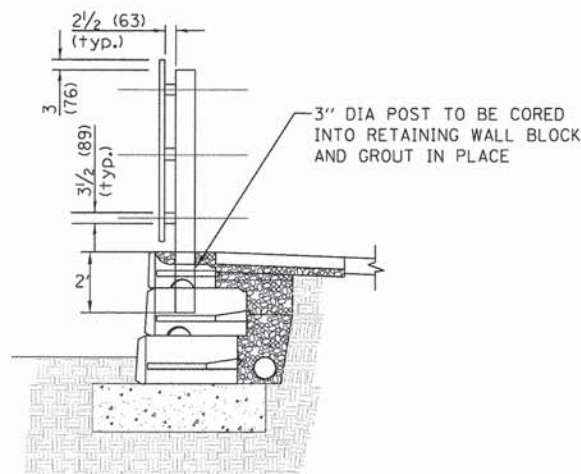
**ELEVATION**  
(Showing treatment with sloping ground)



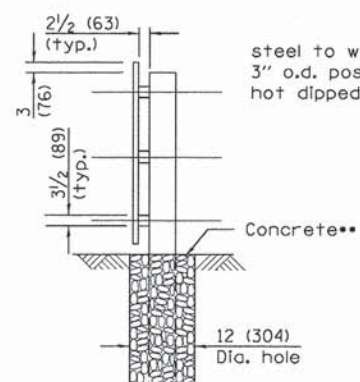
**ELEVATION**



**DETAIL A**  
(Showing typical plank to rail attachment each rail.)

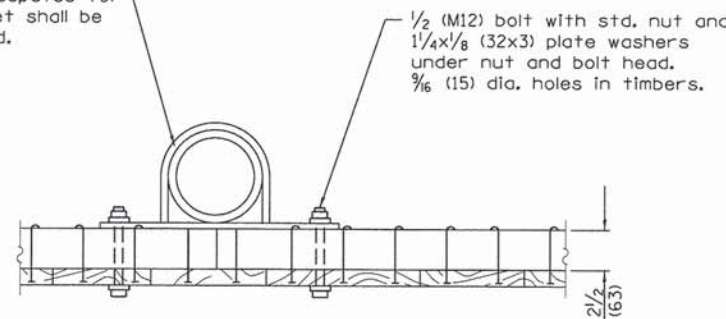


**SEC. A-A FOR RETAINING WALL AREA**



**SEC. A-A FOR LAWN AREA**

\*\* Concrete shall be SI concrete and shall have a minimum compressive strength of 3500 psi, at 28 days with air entrainment.



**DETAIL B**  
(Showing typical panel to post connection details)

**GENERAL NOTES**

Loading was based on 80 mph (130 km/h) with 30% gust factor. Minimum allowable soil pressure = 1.25 tsf (120 kPa).

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

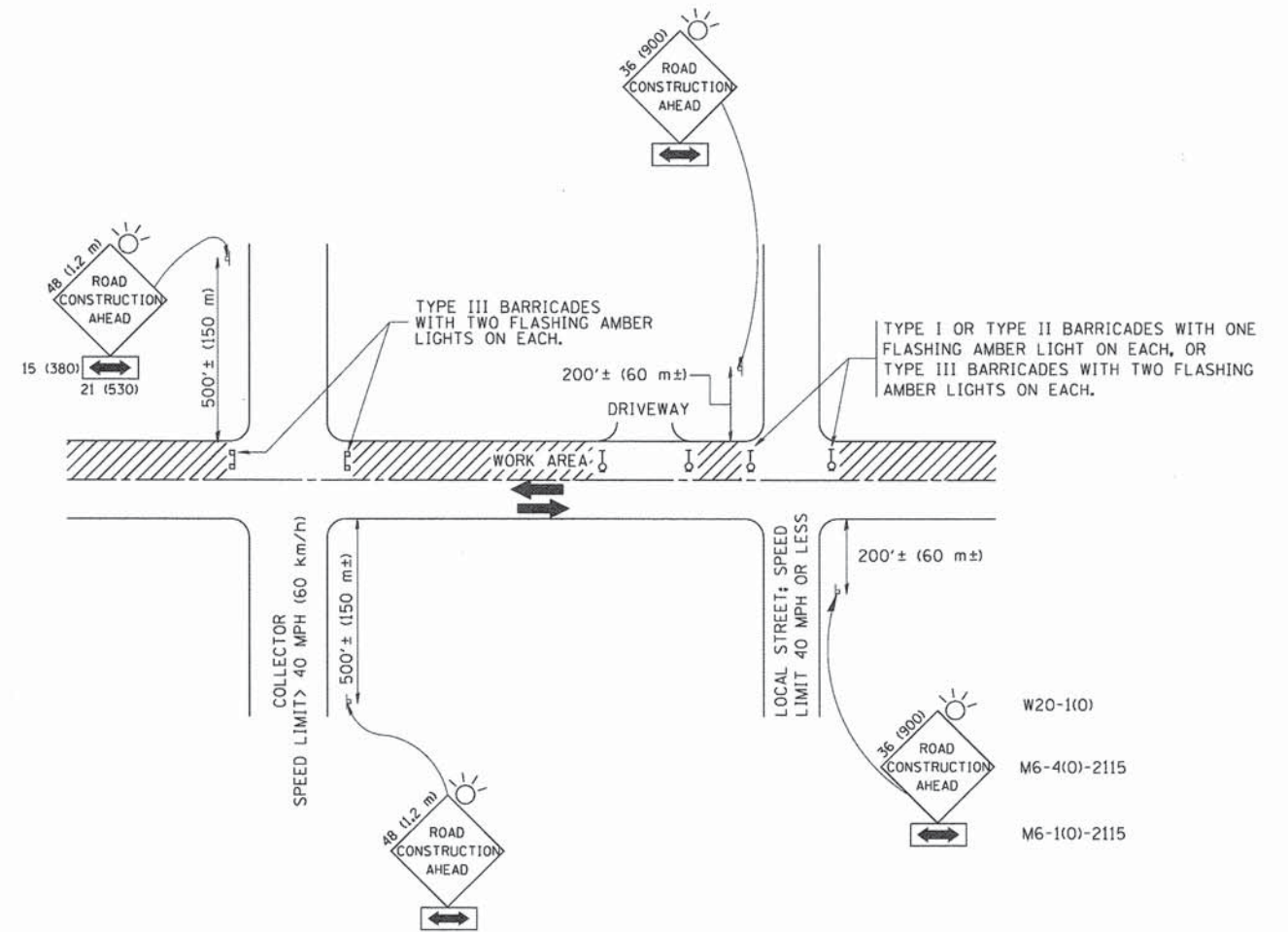
**SIGHT SCREEN WOOD PLANK FENCE DETAIL**



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET NO. OF SHEETS		F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 220
				CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT								



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = W:\diststd\22x34\td18.dgn	USER NAME = gogliobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

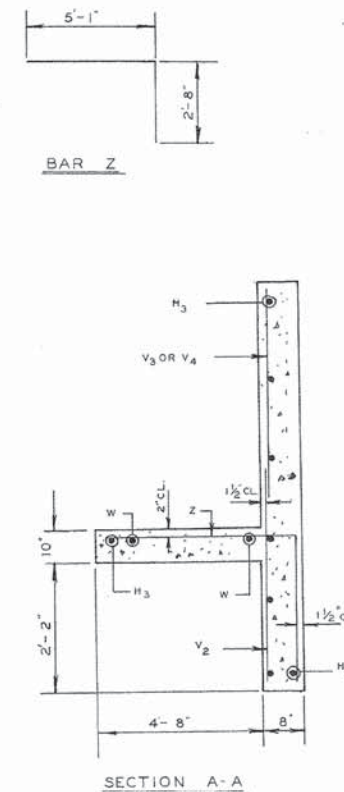
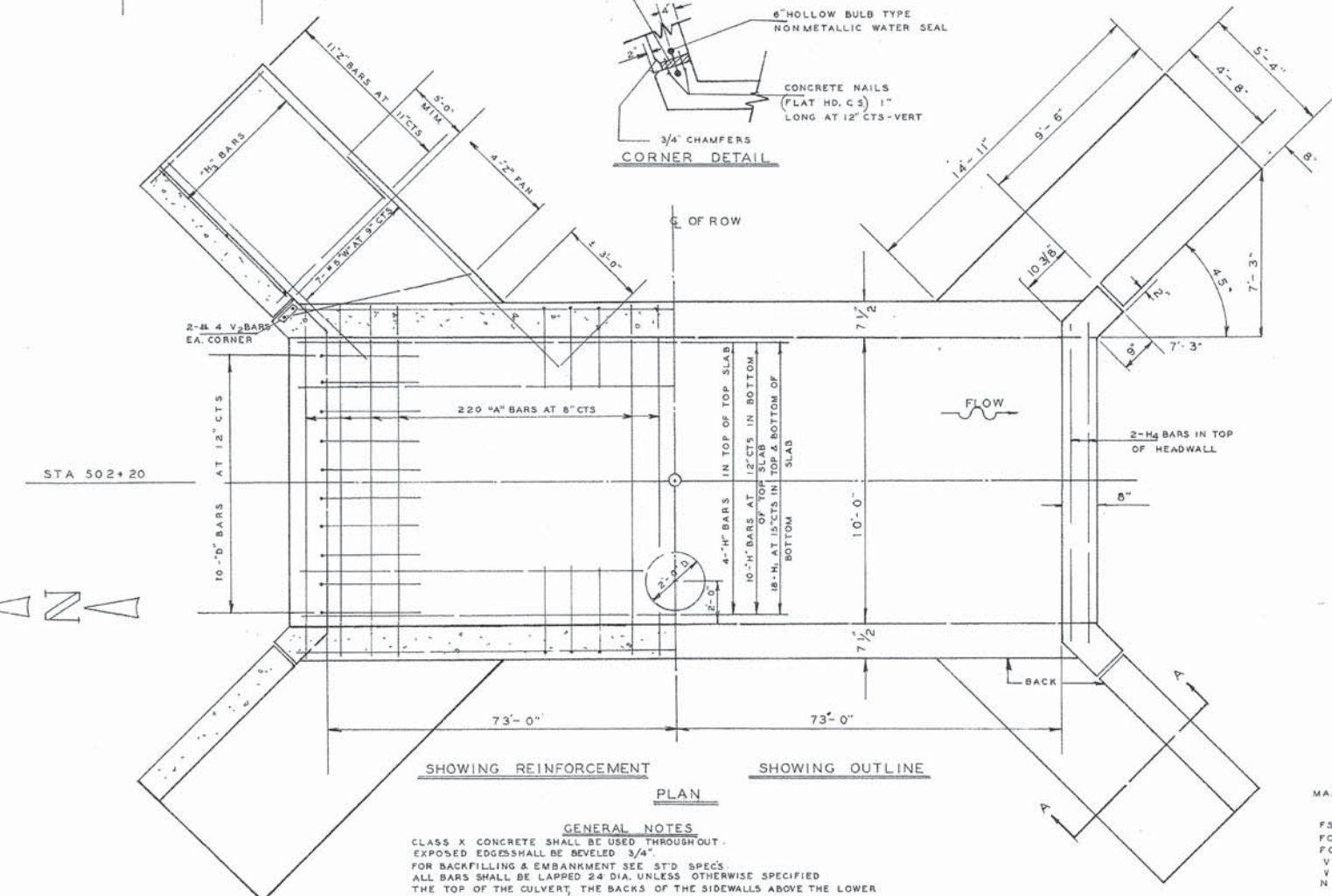
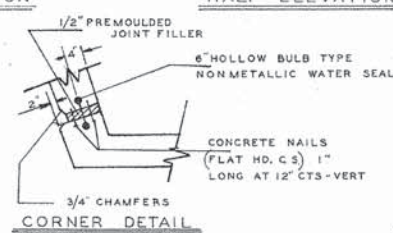
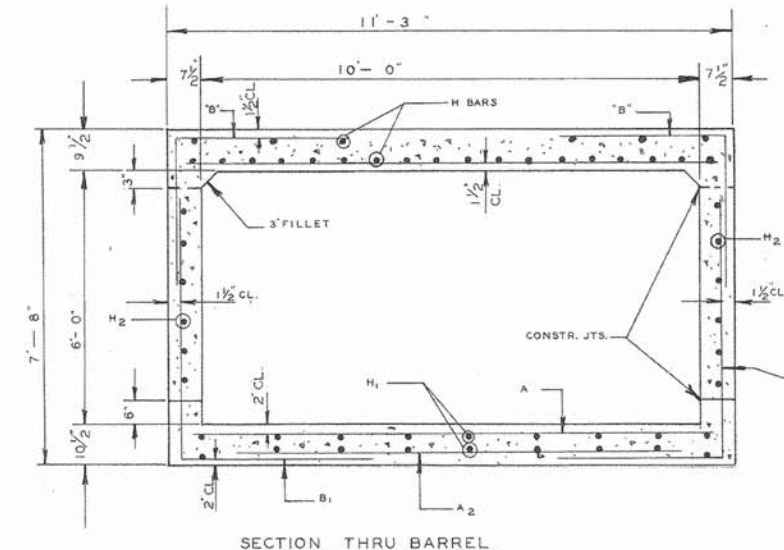
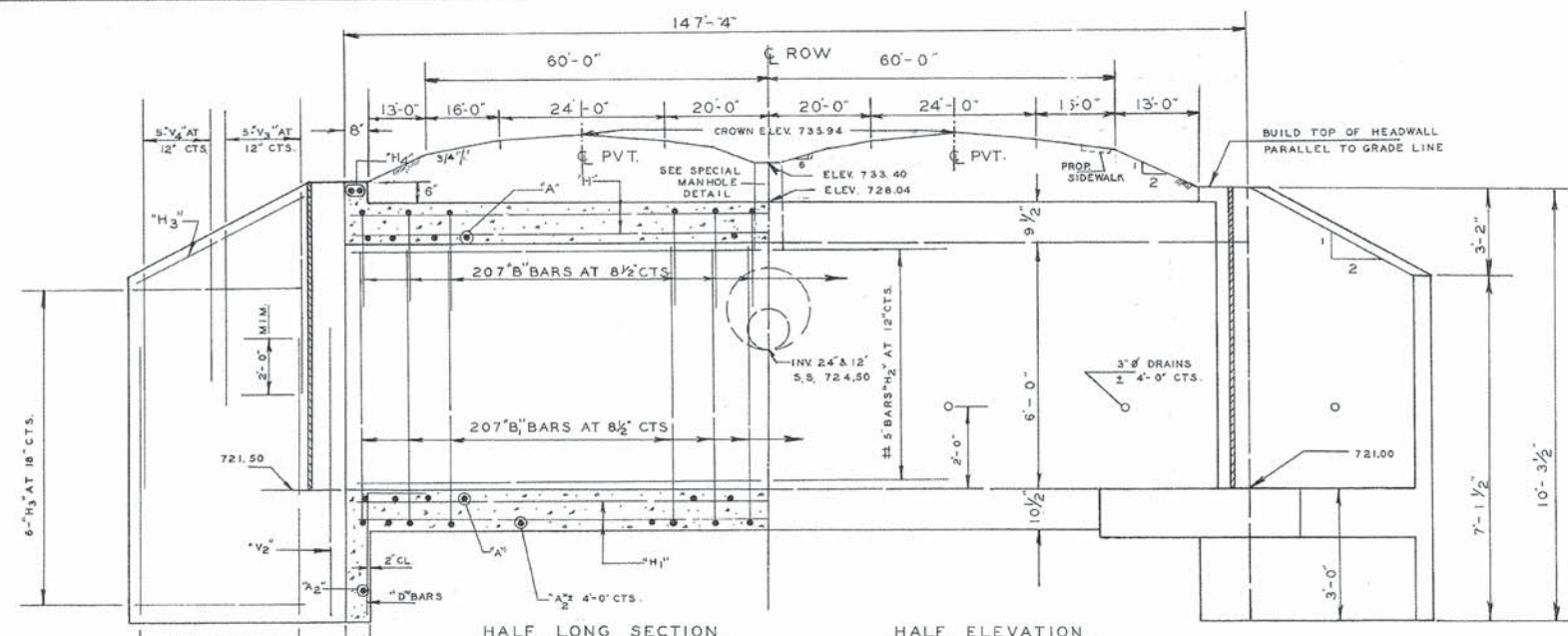
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

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

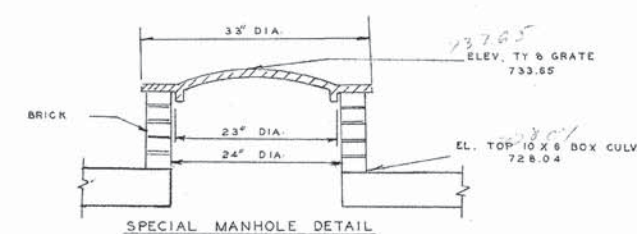
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	221
TC-10		CONTRACT NO. 63851		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**BILL OF MATERIALS**

BAR	NO	SIZE	LENGTH
A	440	# 8	10'-11"
A <sub>2</sub>	36	# 4	7'-3"
B	414	# 6	5'-0"
B <sub>1</sub>	414	# 6	8'-11"
D	20	# 4	4'-6"
H	14	# 6	147'-0"
H <sub>1</sub>	18	# 5	147'-0"
H <sub>2</sub>	12	# 5	147'-0"
H <sub>3</sub>	36	# 4	9'-2"
H <sub>4</sub>	4	# 6	10'-8"
V <sub>2</sub>	60	# 4	5'-0"
V <sub>3</sub>	20	# 4	7'-0"
V <sub>4</sub>	20	# 4	3'-6"
W	28	# 5	13'-6"
Z	60	# 5	7'-9"
CLASS X CONCRETE			CU. YD. 161.0
REINFORCEMENT BARS			LBS 30,914



**GENERAL NOTES**

CLASS X CONCRETE SHALL BE USED THROUGHOUT. EXPOSED EDGES SHALL BE BEVELED 3/4". FOR BACK FILLING & EMBANKMENT SEE STD SPECS. ALL BARS SHALL BE LAPPED 24 DIA. UNLESS OTHERWISE SPECIFIED. THE TOP OF THE CULVERT, THE BACKS OF THE SIDEWALLS ABOVE THE LOWER CONSTRUCTION JOINT & BACKS OF THE WINGS ABOVE THE TOPS OF THE FOOTING SHALL BE WATERPROOFED IN ACCORDANCE WITH SECTION 503.11 OF THE STD SPECS. NONMETALLIC WATER SEAL USED IN THE WINGWALL JOINTS SHALL EXTEND FROM THE TOP OF THE FOOTING TO WITHIN 6" OF THE TOP OF THE HEADWALL.

NOTE: HORIZONTAL CONST. JOINTS IN WINGS ARE OPTIONAL AT OR 6' ABOVE FLOW LINE ELEVATION.

MAX SOIL PRESSURE UNDER FOOTINGS 2312 P.S.F.

F<sub>3</sub> = 20000 P.S.I.  
 F<sub>C</sub> = 1400 P.S.I. BARREL  
 F<sub>C</sub> = 1000 P.S.I. WINGS  
 V = 90 P.S.I. BARREL  
 V = 75 P.S.I. WINGS  
 N = 10

LOADING HS-20-16

75<sup>TH</sup> ST SECTION 217



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING CULVERT PLANS FOR CULVERT ON 75TH STREET  
STA. 683 + 65.95

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 222
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

SCALE: NONE SHEET NO. OF SHEETS

75th Street  
Project IX 5003 (658)  
Begins at Sta. -6+90

Ends at Sta. 11+75

INSTALL GROUND ROD OUTSIDE THIS FOUNDATION

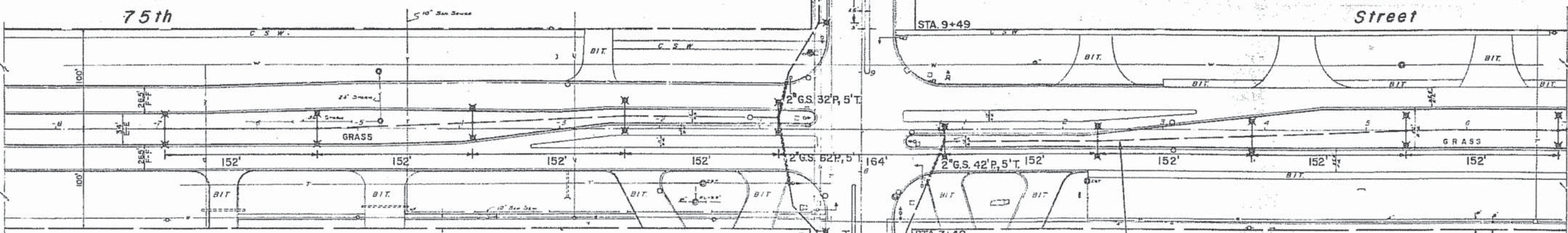


STA. 10+62

NOTE:  
Do not install conduit under magnetic detector loops in pavement. Engineer to denote exact push locations.

STA. 9+49

Street



MATCH LINE  
STA. 7+00  
SEE SHEET NO. 7

INSTALL GROUND ROD OUTSIDE THIS FOUNDATION

STA. -6+90

STA. -5+38

STA. -3+86

STA. -2+34

STA. 0+82

STA. 7+40

STA. 0+82

STA. 6+64

STA. 5+43

STA. 4+22

STA. 2+99

STA. 2+34

STA. 3+86

STA. 5+38

STA. 6+90

ELECTRIC CABLE UNIT DUCT  
1 1/4", 2-1/C #4, 600 VOLT  
TYPE XHHW WITH NO. 8 BARE  
GROUNDING WIRE (TYPICAL)

LOCATION	STATION	OFFSET	BRACKET ARM
75TH STREET	ALL LIGHTS	℄ MEDIAN	15' (TWIN)-TYPE A
CASS AVENUE	ALL LIGHTS	8' BACK OF CURB	6' ARM - TYPE B

2" G.S. 42' P.

2" G.S. 100' P., 20' T.

2" G.S. 67' P.

2" G.S. 35' P.

2" G.S. 34' P.

2" G.S. 34' P.

2" G.S. 36' P.

2" G.S. 36' P.

CASS

MATCH LINE  
STA. 2+00  
SEE SHEET NO. 5

**CITY OF DARIEN, ILLINOIS**  
**BUSINESS DISTRICT LIGHTING**

<b>REVISIONS</b> NO. DATE BY		Plan CASS AVE - STA. 2+00 to 11+75 75th S - STA. -8+50 to 7+00	DESIGNED BY JLC CHECKED BY JDJ APPROVED BY RGB
PROJECT NUMBER 80026		FRANK NOVOTNY AND ASSOCIATES, INC. CONSULTING ENGINEERS	FIELD BOOK NO. 676, 676A DATE OCTOBER, 1980 SCALE 1" = 50' SHEET NO. 6 OF 9



USER NAME = #USER#  
DESIGNED - JDH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13

REVISED - ---  
REVISED - ---  
REVISED - ---  
REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHT PLANS FOR PROJECT LIMITS

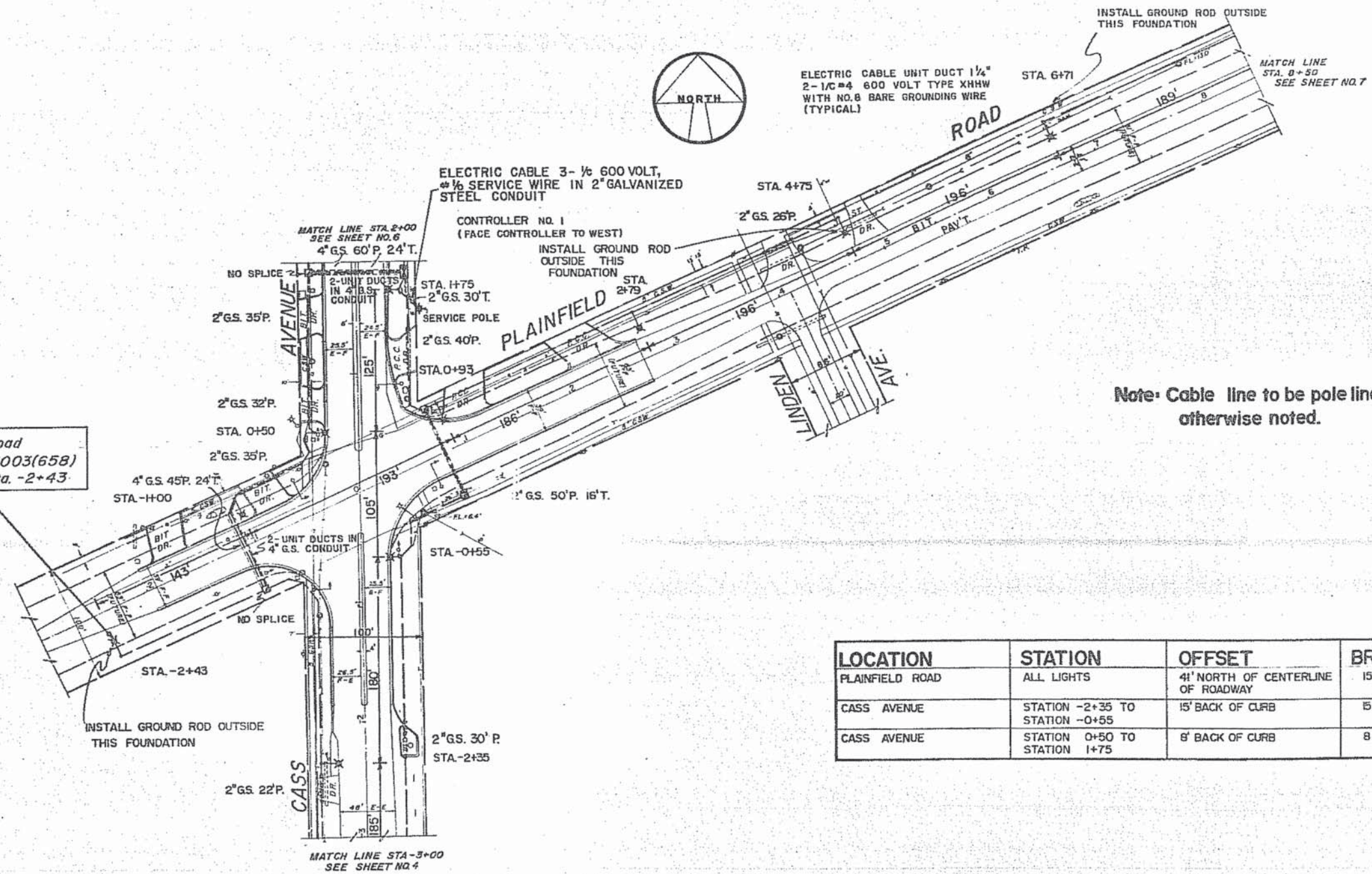
SCALE: NONE SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	223
CONTRACT NO. 63851				

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



Plainfield Road  
Project IX-5003(658)  
Begins at Sta. -2+43



Note: Cable line to be pole line, unless otherwise noted.

LOCATION	STATION	OFFSET	BRACKET ARM
PLAINFIELD ROAD	ALL LIGHTS	41' NORTH OF CENTERLINE OF ROADWAY	15 FEET - TYPE C
CASS AVENUE	STATION -2+35 TO STATION -0+55	15' BACK OF CURB	15 FEET - TYPE C
CASS AVENUE	STATION 0+50 TO STATION 1+75	6' BACK OF CURB	8 FEET - TYPE B

CITY OF DARIEN, ILLINOIS BUSINESS DISTRICT LIGHTING			
REVISIONS		Plan	DESIGNED BY JLC
NO.	DATE	BY	CHECKED BY JDJ
			APPROVED BY RGB
		FRANK NOVOTNY AND ASSOCIATES, INC. CONSULTING ENGINEERS	FIELD BOOK NO. 676, 676A
			DATE OCTOBER, 1980
			SCALE 1" = 50'
PROJECT NUMBER 80026			SHEET NO. 5 OF 9



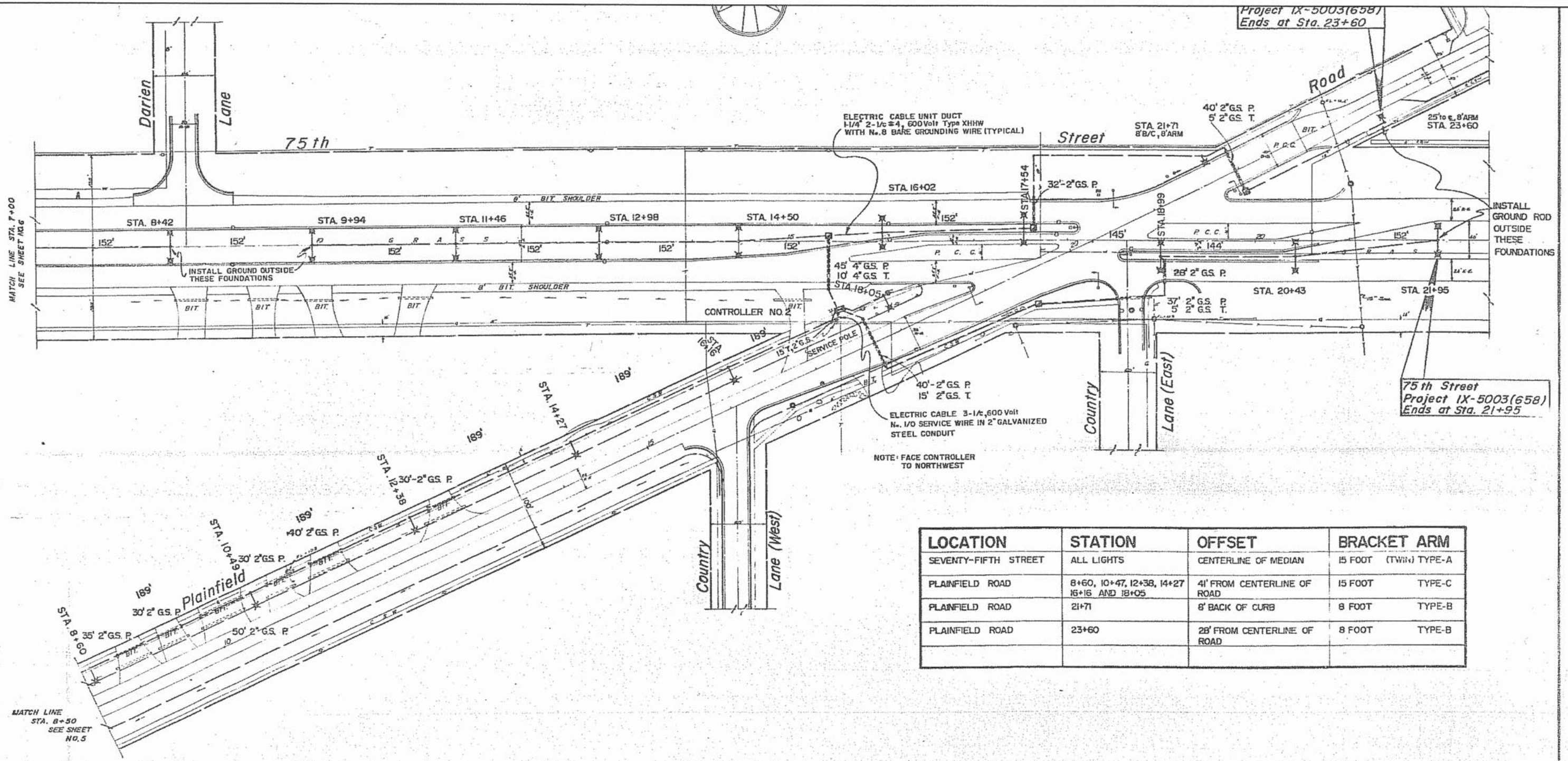
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PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHT PLANS FOR PROJECT LIMITS  
SCALE: NONE SHEET NO. OF SHEETS

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 224
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63851

Project IX-5003(658)  
Ends at Sta. 23+60



LOCATION	STATION	OFFSET	BRACKET ARM
SEVENTY-FIFTH STREET	ALL LIGHTS	CENTERLINE OF MEDIAN	15 FOOT (TWIN) TYPE-A
PLAINFIELD ROAD	8+60, 10+47, 12+38, 14+27, 16+16 AND 18+05	4' FROM CENTERLINE OF ROAD	15 FOOT TYPE-C
PLAINFIELD ROAD	21+71	8' BACK OF CURB	8 FOOT TYPE-B
PLAINFIELD ROAD	23+60	28' FROM CENTERLINE OF ROAD	8 FOOT TYPE-B

**CITY OF DARIEN, ILLINOIS**  
**BUSINESS DISTRICT LIGHTING**

REVISIONS NO. DATE BY		DESIGNED BY JLC CHECKED BY JDJ APPROVED BY RGB
Plan 75th ST - STA 7+00 to 21+95 PLAINFIELD RD - STA. 8+50 to 23+60		FIELD BOOK NO. 676, 676A DATE OCTOBER, 1980 SCALE 1" = 50'
FRANK NOVOTNY AND ASSOCIATES, INC. CONSULTING ENGINEERS		SHEET NO. 7 OF 9
PROJECT NUMBER 80026		



USER NAME = #USER#  
 DESIGNED - JQH  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 03/04/13

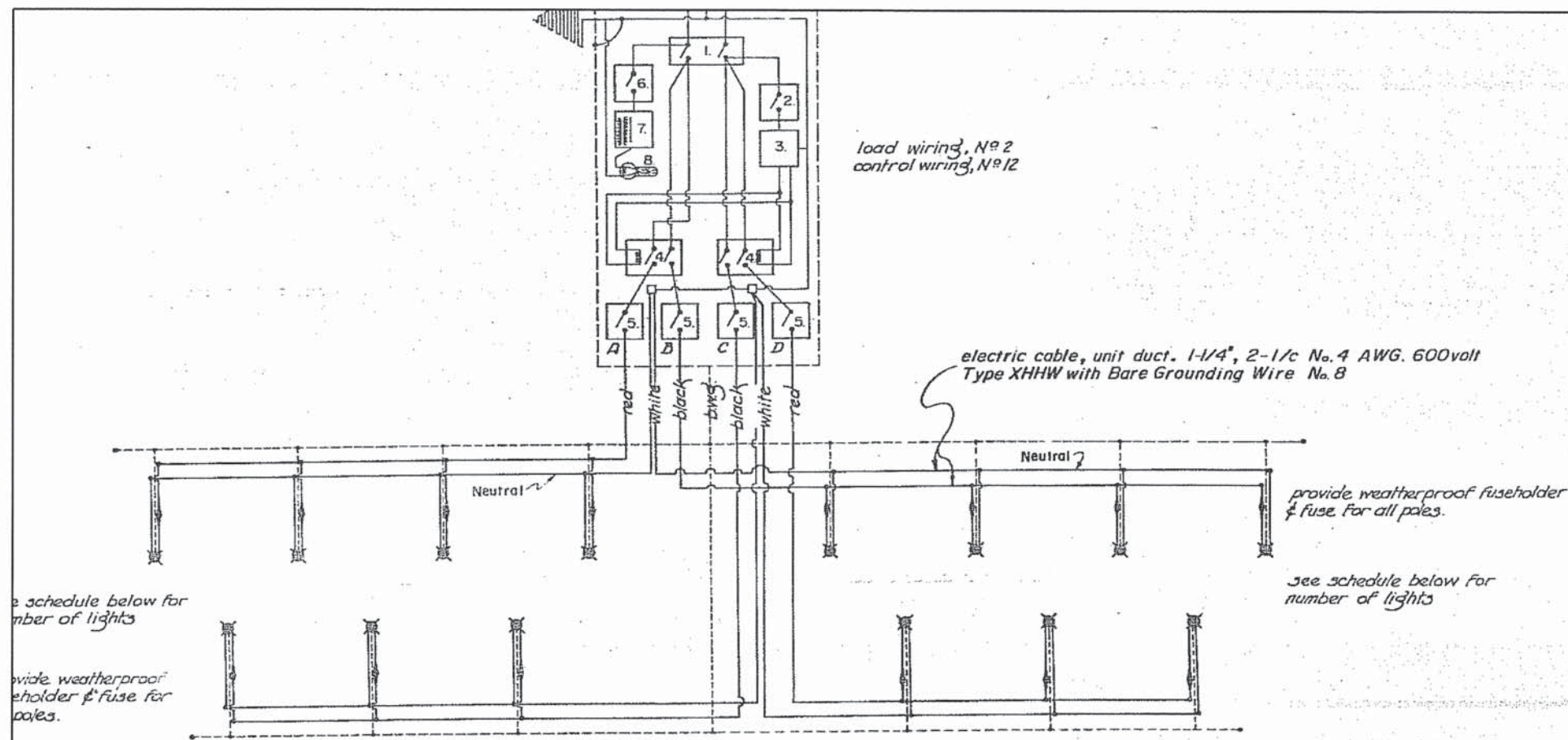
REVISED - ---  
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 REVISED - ---  
 REVISED - ---

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

**EXISTING LIGHT PLANS FOR PROJECT LIMITS**

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 225
CONTRACT NO. 63851			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SCALE: NONE SHEET NO. OF SHEETS



**CONTROLLER DETAILS**

For explanation of equipment code numbers, see schedule of controller equipment, below

LOCATION	CIRCUIT A—Red	CIRCUIT B—Black	CIRCUIT C—Black	CIRCUIT D—Red	TOTAL NO. OF LUMINAIRES
controller no. 1 n.e. cor. plainfield rd. & cass ave.	4 ea. 400 watt h.p.s.	16 ea. 400 watt h.p.s.	16 ea. 400 watt h.p.s.	14 ea. 400 watt h.p.s.	60 ea.
controller no. 2 s.w. cor. plainfield rd. & 75th st.	7 ea. 400 watt h.p.s.	6 ea. 400 watt h.p.s.	6 ea. 400 watt h.p.s.	8 ea. 400 watt h.p.s.	27 ea.

**CONTROLLER CIRCUITS**

NO.	ITEM	CONT. NO.	RATING	DESCRIPTION
1	Main Circuit Breaker	All	150	Two pole, 600 volt 150 amp circuit breaker minimum interrupting capacity 14,000
2	Branch Circuit Breaker	All	15	Single pole, 600 volt, 15 amp circuit breaker minimum interrupting capacity 7,500
3	Time Clock	All	1 Req'd.	240 volt, two pole, single throw clock with spring carry over & astronomical dial.
4	Magnetic Contactor	All	100	R.C.C. relay, mechanically held, two pole, 100 amp with 240 volt, 60 cycle operating coil, less case
5	Branch Circuit Breaker	All	75	One pole, 600 volt 75 amp circuit breaker minimum interrupting capacity 7,500
6	Branch Circuit Breaker	All	15	Single pole 600 volt 15 amp circuit breaker minimum interrupting capacity 7,500
7	Dry Type Transformer	All	1 Req'd.	500 watt, 240/280 volt to 120, Or Equal
8	Lampholder w/ Grounded Outlet	All	1 Req'd.	Porcelain lampholder with pull chain and lamp, and grounded duplex convenience outlet.

**SCHEDULE OF CONTROLLER EQUIPMENT - 2 EACH**

TYPE OF SOIL	DESIGN DEPTH OF FNDTN.	TYPE "A" POLE (30" FOUNDATION)		TYPE "B" & "C" POLE (24" FOUNDATION)		
		REINFORCEMENT IN FNDTN.		DESIGN DEPTH OF FNDTN.	REINFORCEMENT IN FNDTN.	
		VERT. BARS	SPIRAL		VERT. BARS	SPIRAL
SOFT CLAY OR LOOSE SAND	16' 0"	6-#5 x 15'0"	#4 x 14'7 1/2"	16'3"	6-#5 x 15'3"	#4 x 14'10 1/2"
MEDIUM CLAY OR MEDIUM SAND	10' 6"	6-#5 x 9'6"	#4 x 9'1 1/2"	10'9"	6-#5 x 9'9"	#4 x 9'4 1/2"
HARD CLAY OR DENSE SAND	7' 3"	6-#5 x 6'3"	#4 x 5'10 1/2"	7'3"	6-#5 x 6'3"	#4 x 5'10 1/2"
ROCK OR SOLID SLAG	6' 0"	6-#5 x 5'0"	#4 x 4'7 1/2"	6'0"	6-#5 x 5'0"	#4 x 4'7 1/2"

DESIGN TABLE FOR FOUNDATIONS

NOTE: THE ENGINEER SHALL DETERMINE THE TYPE OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE USING THE DOMINANT CHARACTERISTIC OF THE SOIL ENCOUNTERED.

REVISIONS			CITY OF DARIEN, ILLINOIS BUSINESS DISTRICT LIGHTING	
NO.	DATE	BY	CONTROLLER DETAILS	DESIGNED BY JLC
1	10/15/90	JLC		CHECKED BY JDD
				APPROVED BY RGB
				FIELD BOOK NO. ---
				DATE OCTOBER, 1990
				SCALE NONE
				SHEET NO. 9 OF 9

FRANK NOVOTNY AND ASSOCIATES, INC.  
CONSULTING ENGINEERS

PROJECT NUMBER 80026



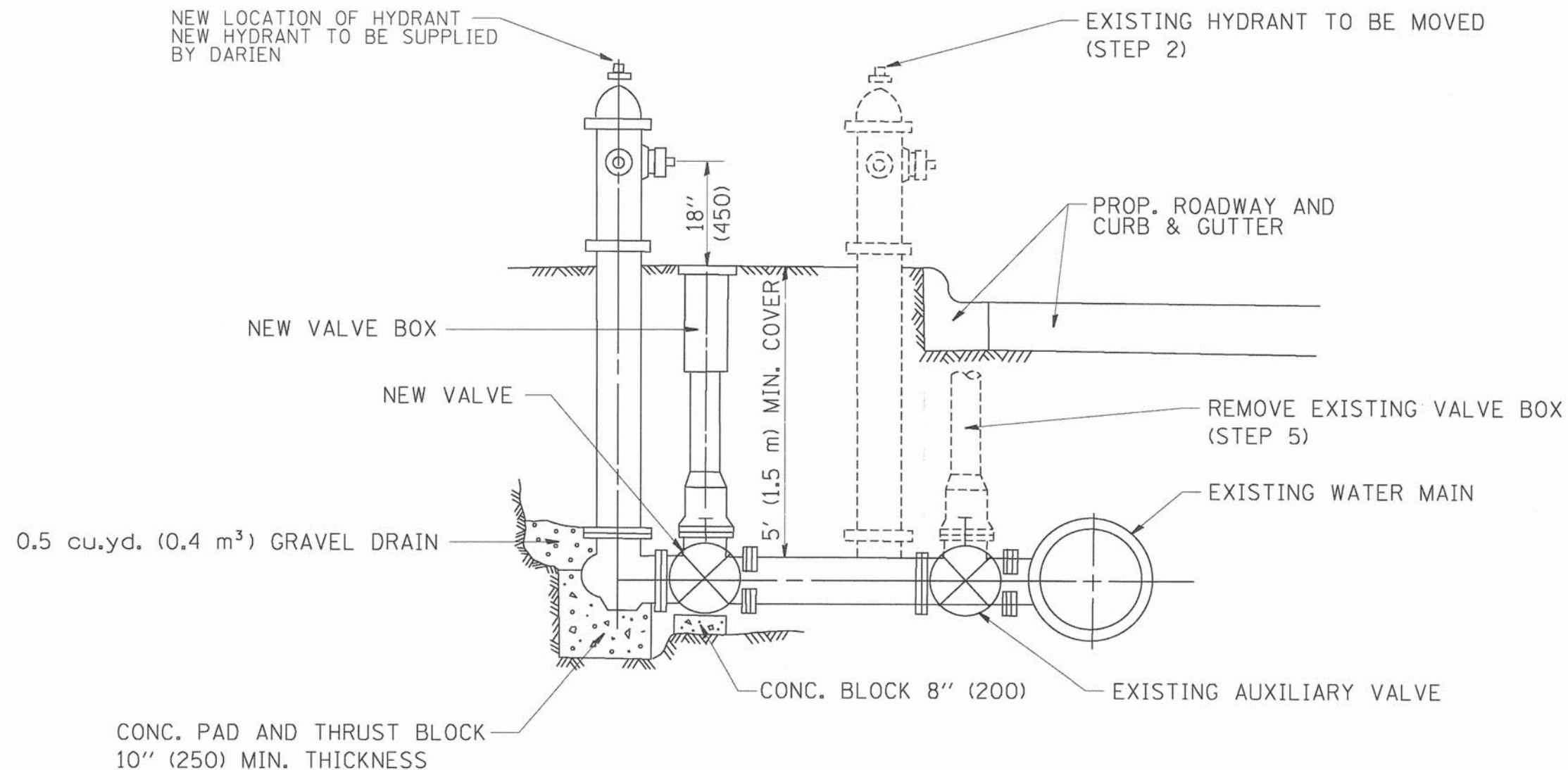
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	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHT PLANS FOR PROJECT LIMITS	
SCALE: NONE	SHEET NO. OF SHEETS

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 226
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63851



SEQUENCE OF CONSTRUCTION:

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

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

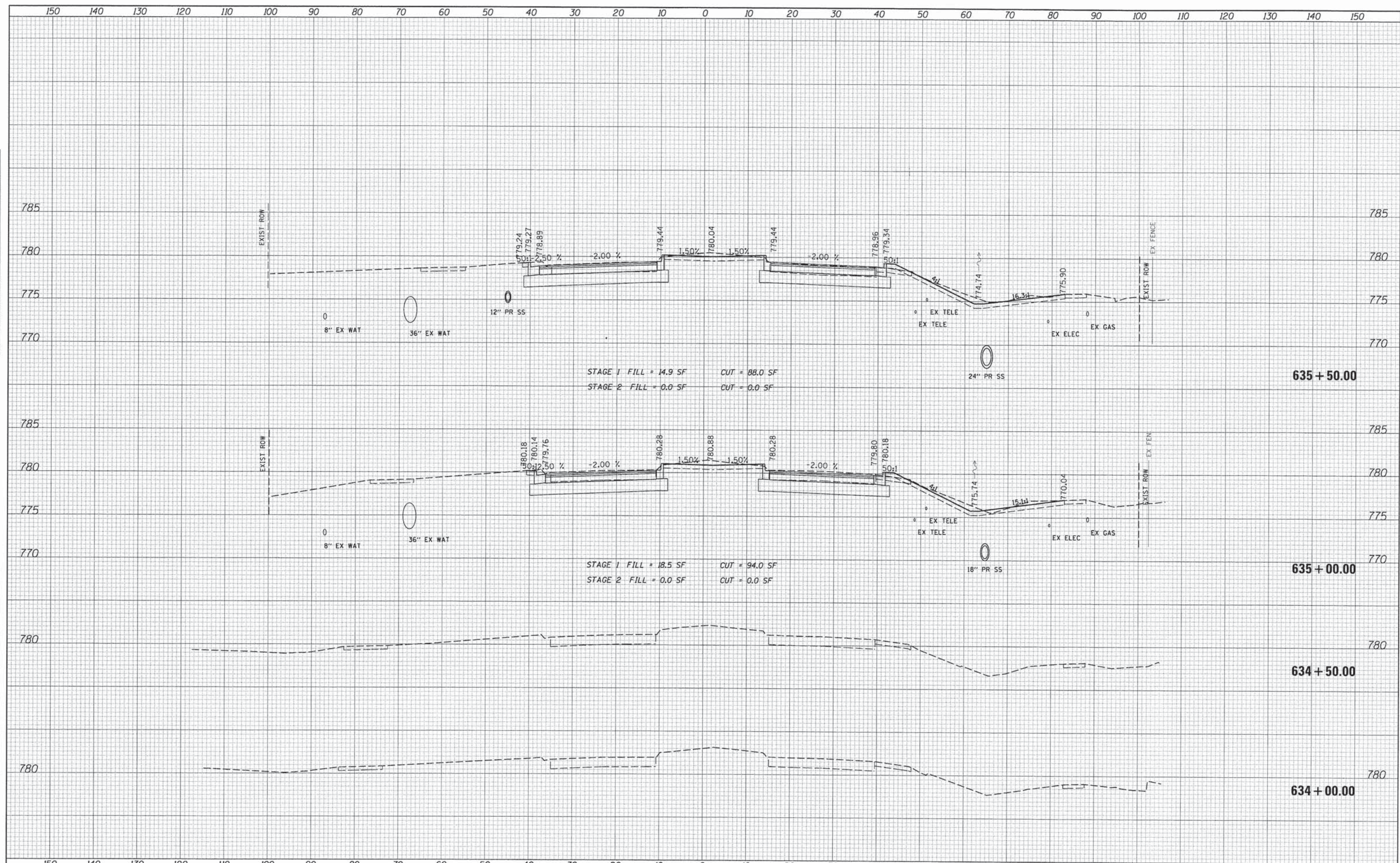
## FIRE HYDRANT TO BE MOVED AND REPLACED

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

FILE NAME = W:\diststd\22x34\bd36.dgn	USER NAME = goglionobt	DESIGNED -	REVISED - R. SHAH 09-09-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FIRE HYDRANT TO BE REMOVED AND REPLACED</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - R. SHAH 10-25-94			0369	12-00233-07-PV	DU PAGE	285	227
	PLOT DATE = 1/4/2008	DATE -	REVISED -			SCALE: NONE    SHEET NO. 1 OF 1 SHEETS    STA.    TO STA.		CONTRACT NO. 63851		
						FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

DATE	
BY	
SUPERVISED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
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SUPERVISED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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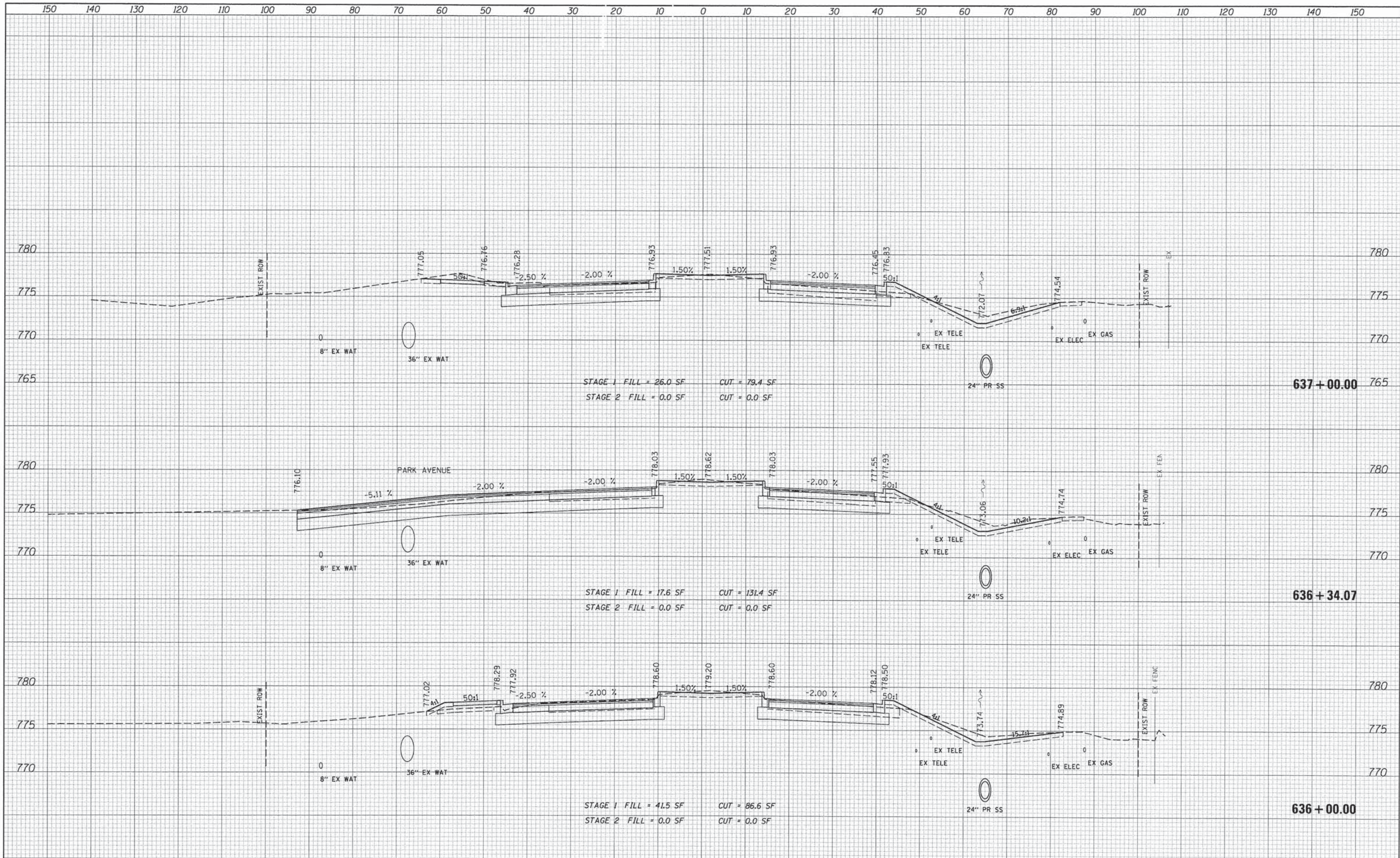
STAGE 1 FILL = 14.9 SF    CUT = 88.0 SF  
 STAGE 2 FILL = 0.0 SF    CUT = 0.0 SF

STAGE 1 FILL = 18.5 SF    CUT = 94.0 SF  
 STAGE 2 FILL = 0.0 SF    CUT = 0.0 SF

FILE NAME #	USER NAME # USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 228		
#FILE#	PLOT SCALE # SCALE#	CHECKED - VJD	REVISED -			SCALE: SHEET OF SHEETS STA. 634+00.00 TO STA. 635+00.00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
	PLOT DATE # DATE#	DATE - 03/04/13	REVISED -			CONTRACT NO. 63851						

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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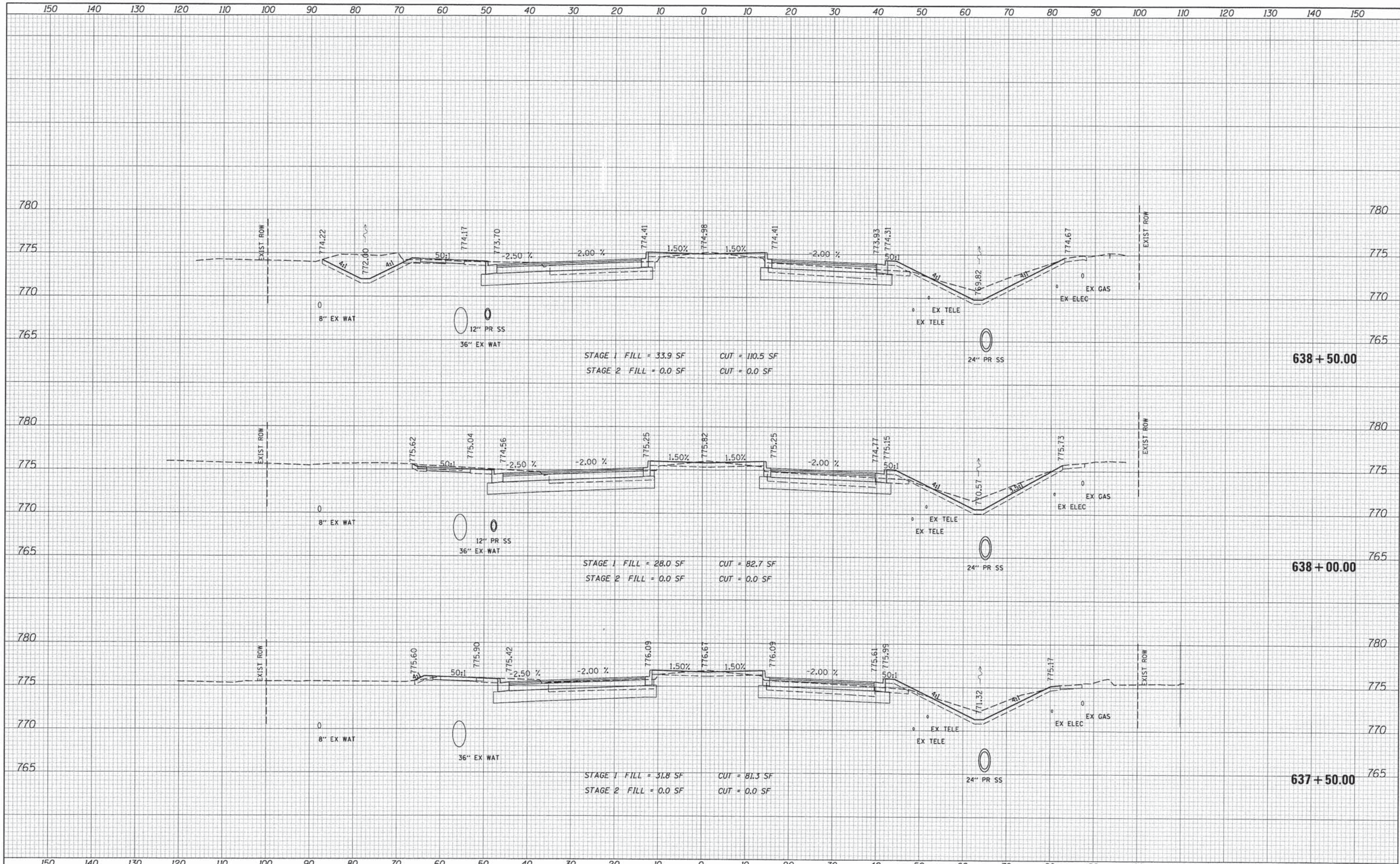


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#FILEL#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			SCALE:	SHEET OF SHEETS	STA. 636+00.00 TO STA. 637+00.00	CONTRACT NO. 63851		
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
		DATE - 03/04/13	REVISED -								



DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
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DESIGNED	
DRAWN	
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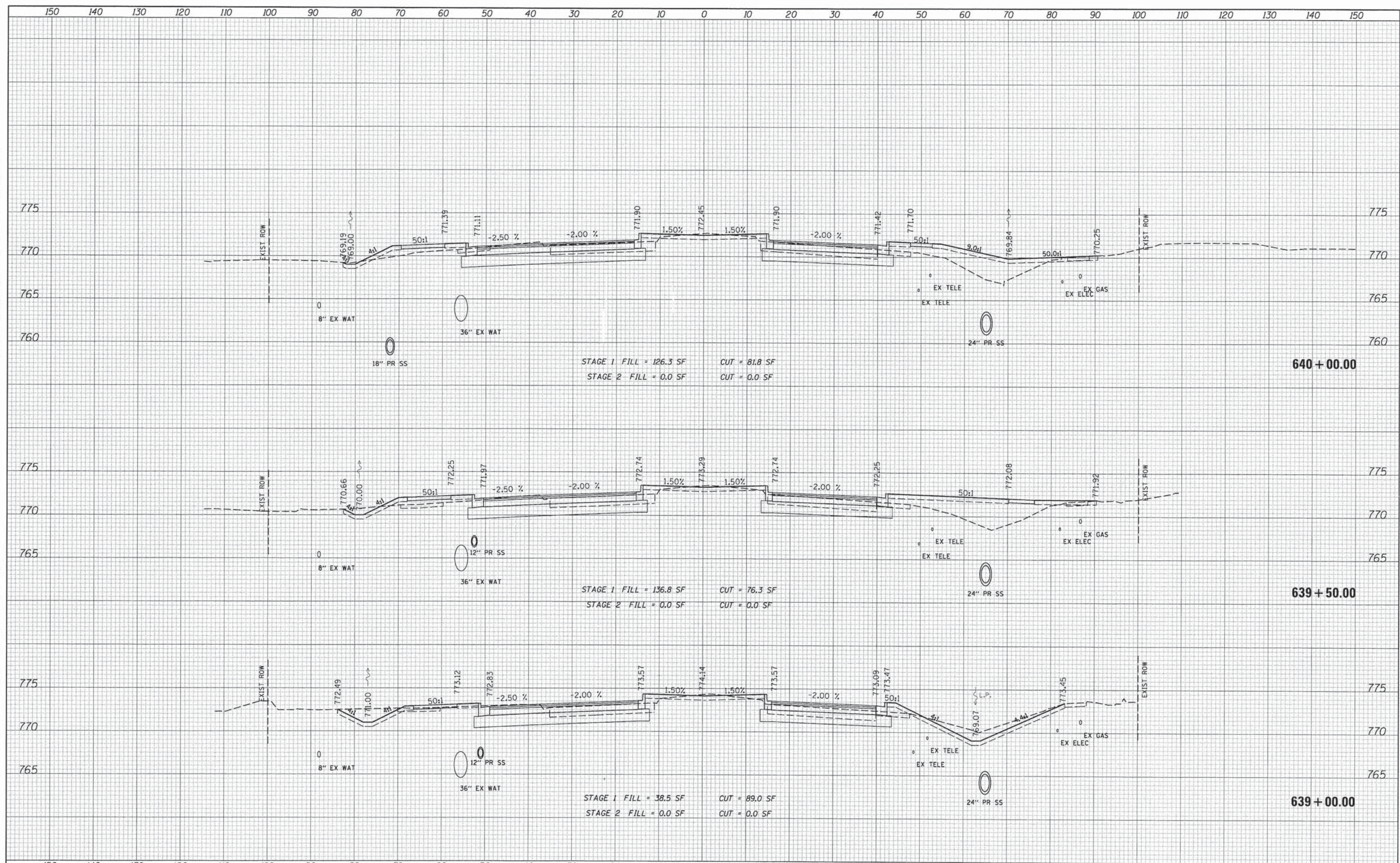
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FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			0369	12-00233-07-PV	DU PAGE	285	230	
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		DATE - 03/04/13	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
		SCALE:			SHEET OF SHEETS		STA. 637+50.00 TO STA. 638+50.00				

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

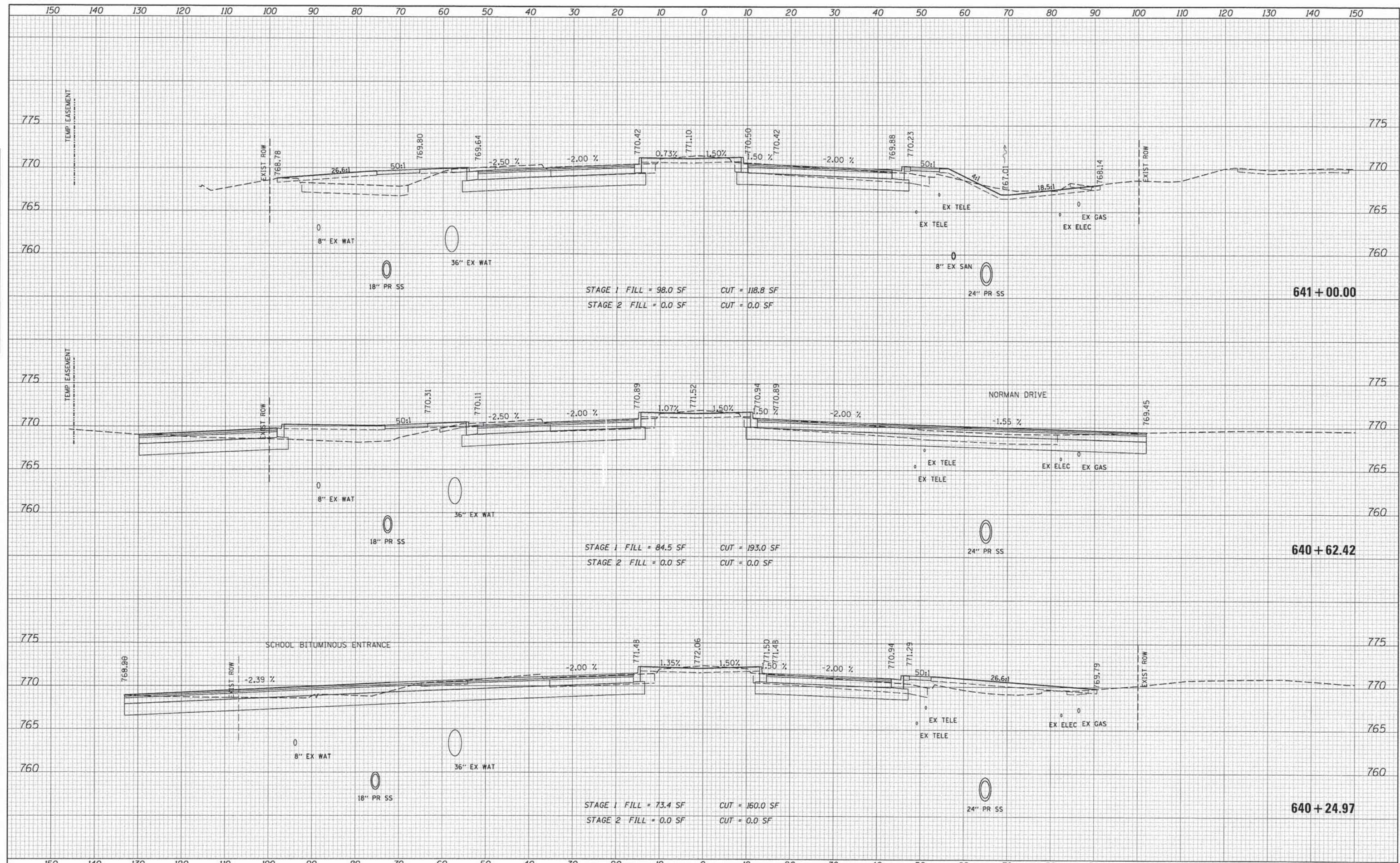
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NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	



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	PLOT DATE = #DATE#	CHECKED - VJD	REVISED -			STA. 639+00.00 TO STA. 640+00.00					
		DATE - 03/04/13	REVISED -								

DATE	
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TEMPLATE	
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NOTE BOOK	
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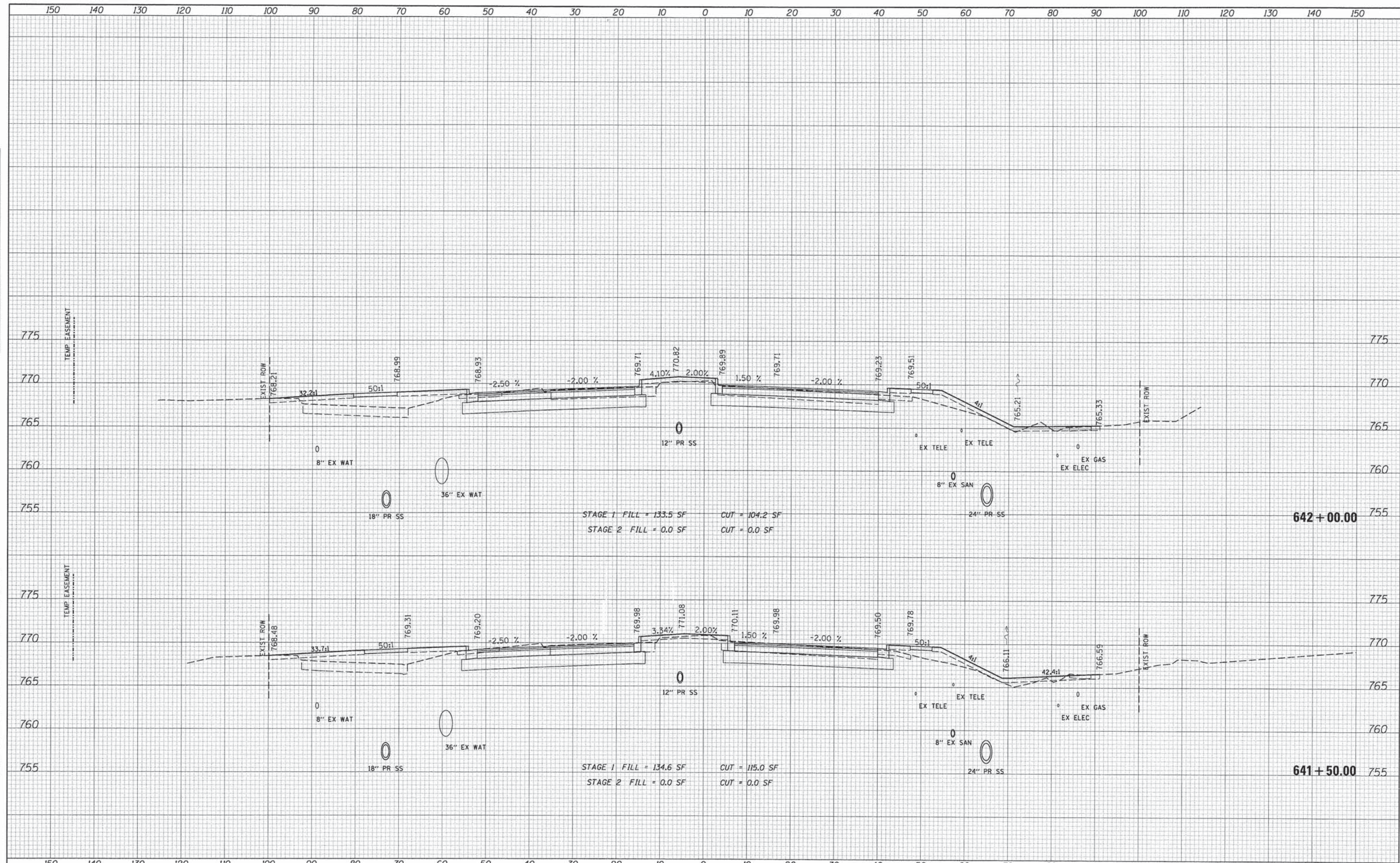
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NOTE BOOK	
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		DATE - 03/04/13	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

FINAL SURVEY	NO.
NO. OF SHEETS	
DATE	
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DESIGNED	
DRAWN	
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DATE	

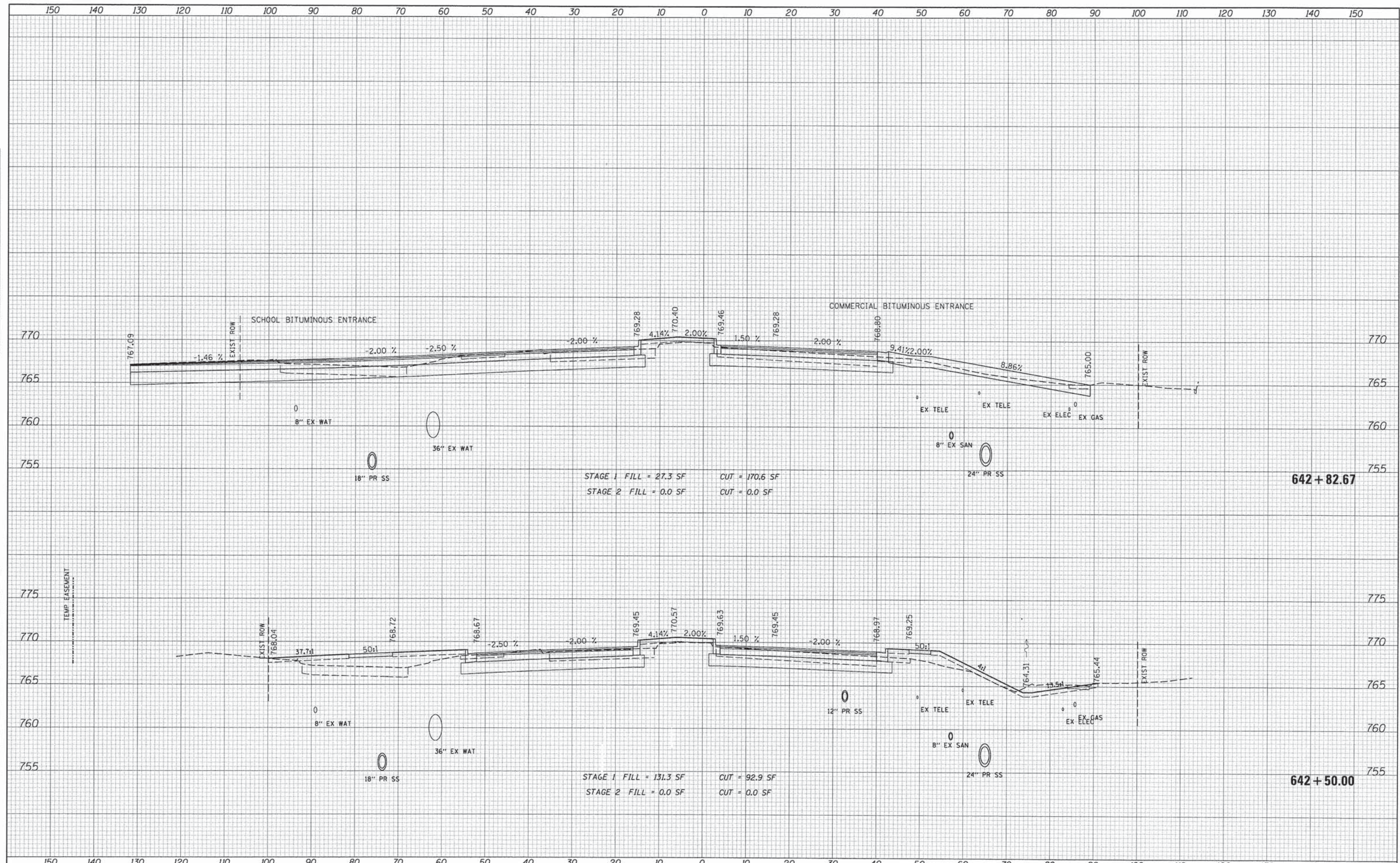
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NO. OF SHEETS	
DATE	
BY	
DESIGNED	
DRAWN	
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DATE	



FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 233		
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			SCALE:	SHEET OF SHEETS	STA. 641+50.00 TO STA. 642+00.00	CONTRACT NO. 63851			
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
		DATE - 03/04/13	REVISED -									

DATE	
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SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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NOTE BOOK	
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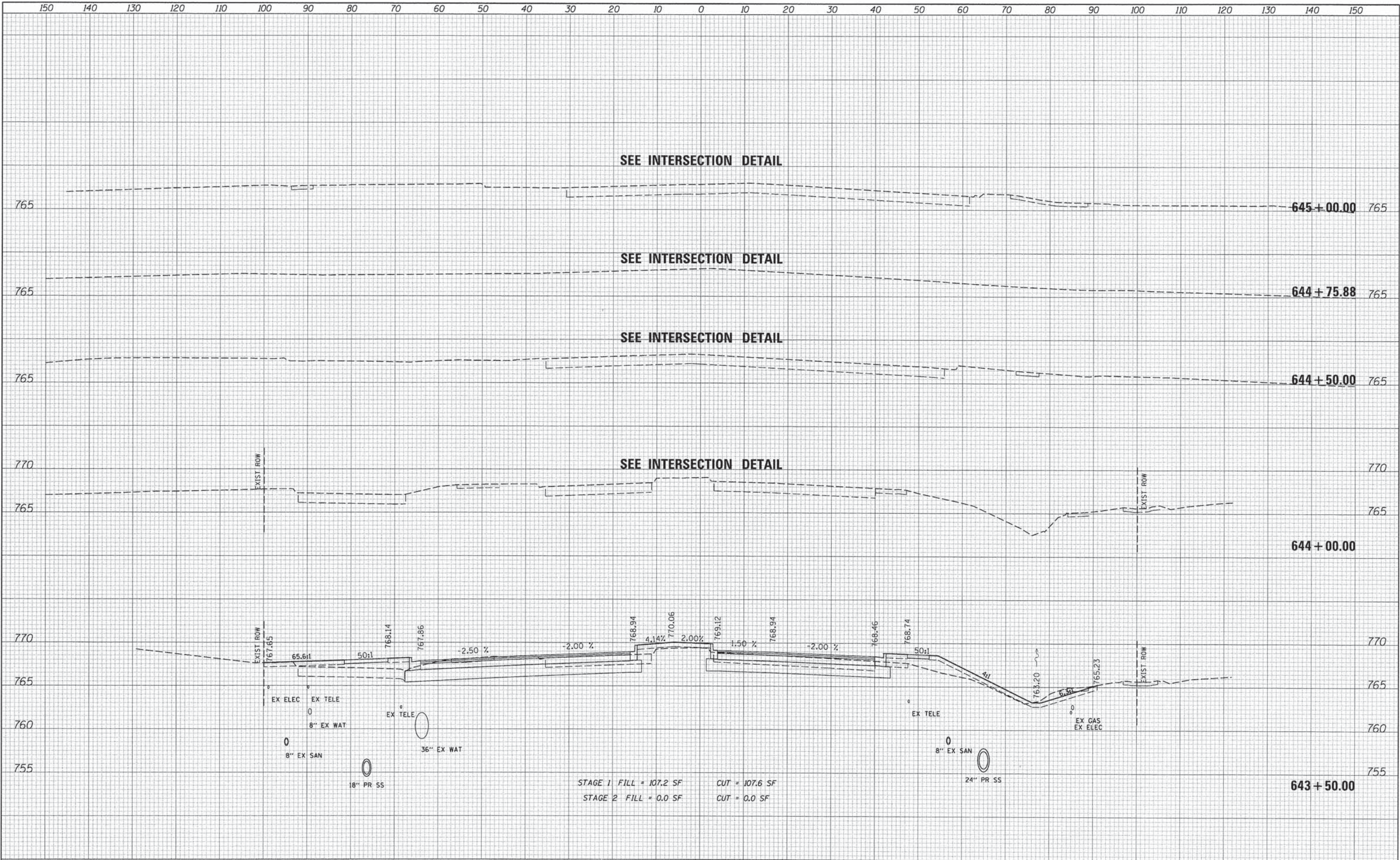
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TEMPLATE	
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NOTE BOOK	
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FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 234		
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			SCALE:	SHEET OF SHEETS	STA. 642+50.00 TO STA. 642+82.67	CONTRACT NO. 63851			
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
		DATE - 03/04/13	REVISED -									

DATE	
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TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
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SURVEYED	
TEMPLATE	
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NOTE BOOK	
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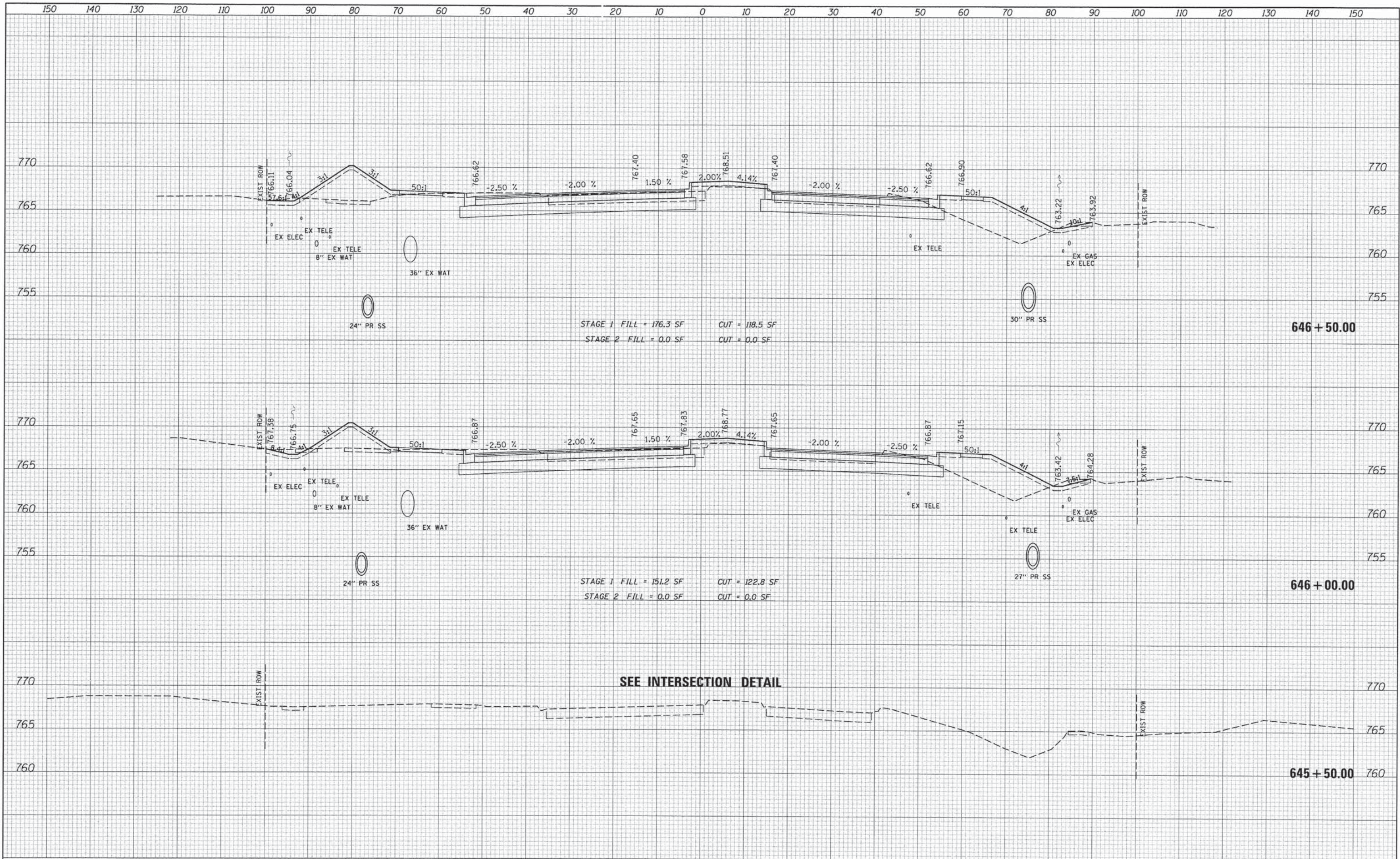


STAGE 1 FILL = 107.2 SF    CUT = 107.6 SF  
 STAGE 2 FILL = 0.0 SF    CUT = 0.0 SF

FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE - 03/04/13	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

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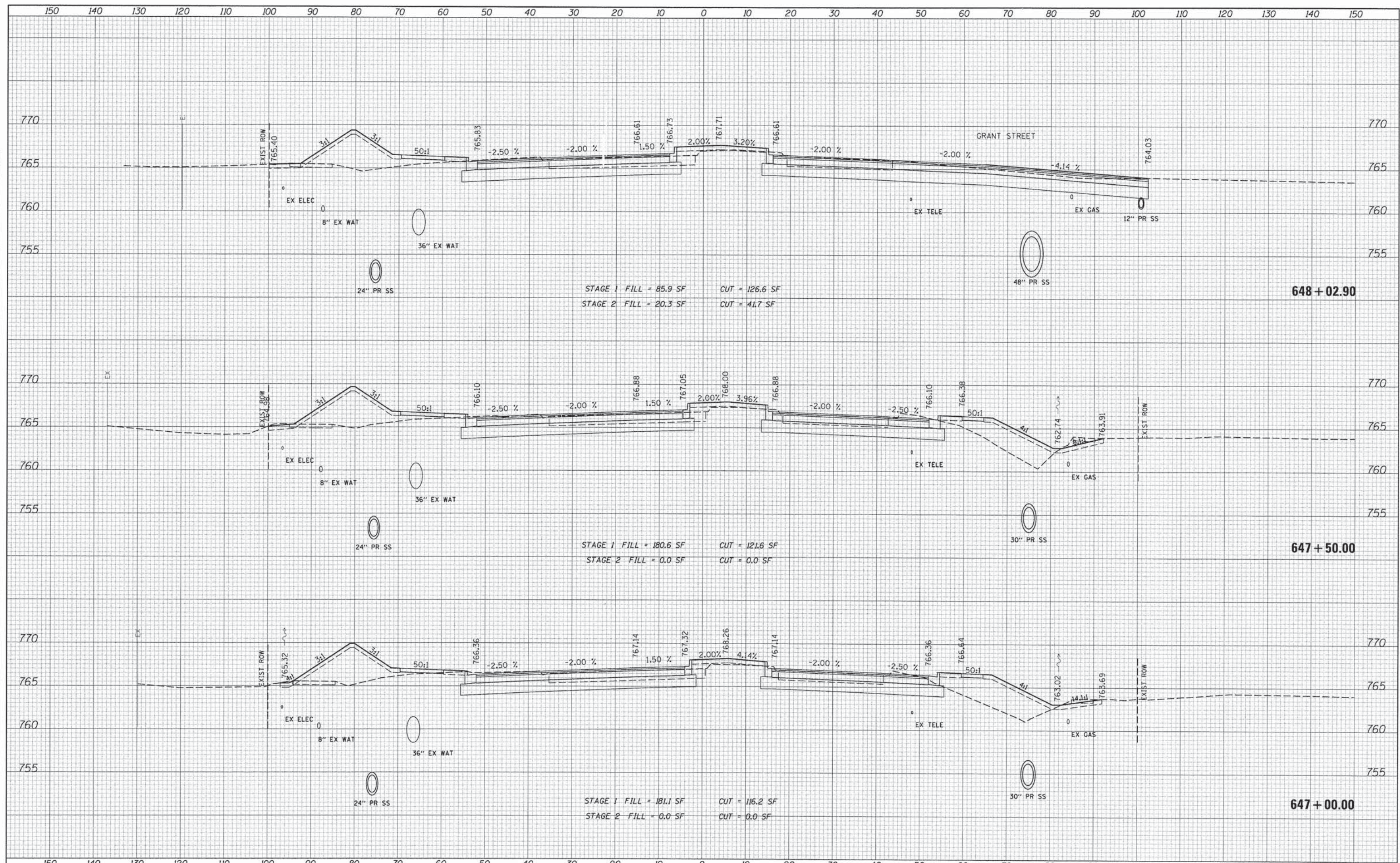
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ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = #USER*	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>		F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 236	
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	PLOT DATE = #DATE*	CHECKED - VJD	REVISED -								FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT	
		DATE - 03/04/13	REVISED -									

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TEMPLATE	
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FINAL	
SURVEY	
NOTE BOOK	
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DATE	
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NOTE BOOK	
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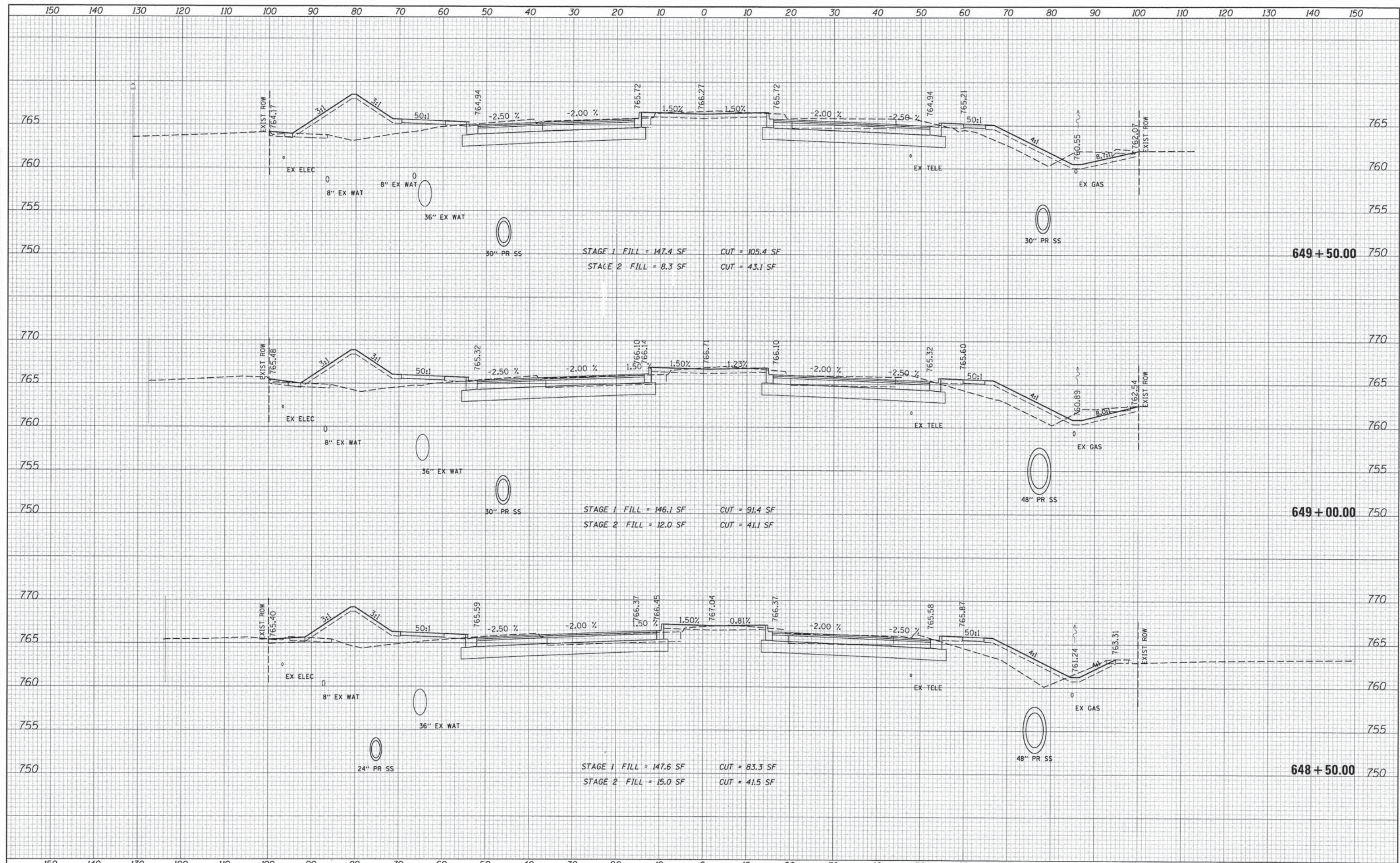


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	PLOT DATE = #DATE#	CHECKED - VJD	REVISED -								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
		DATE - 03/04/13	REVISED -										



DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL	
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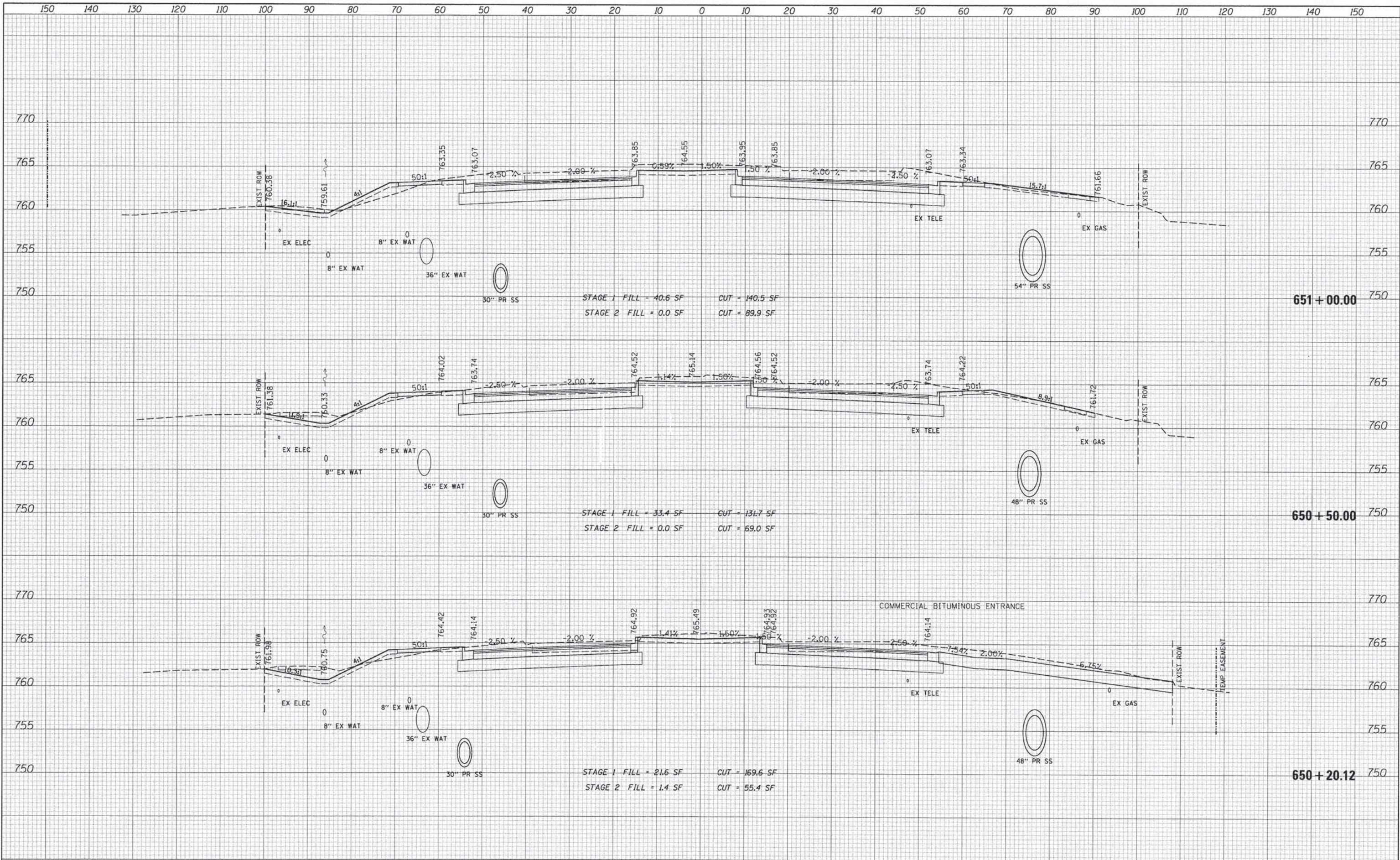
DATE	
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PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL	
NO.	



FILE NAME *	USER NAME * #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE * #SCALE#	DRAWN - DRP	REVISED -			0369	12-00233-07-PV	DU PAGE	285	238	
	PLOT DATE * #DATE#	CHECKED - VJD	REVISED -			CONTRACT NO. 63851					
		DATE - 03/04/13	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

DATE	
BY	
SURVEYED	
PLANNED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

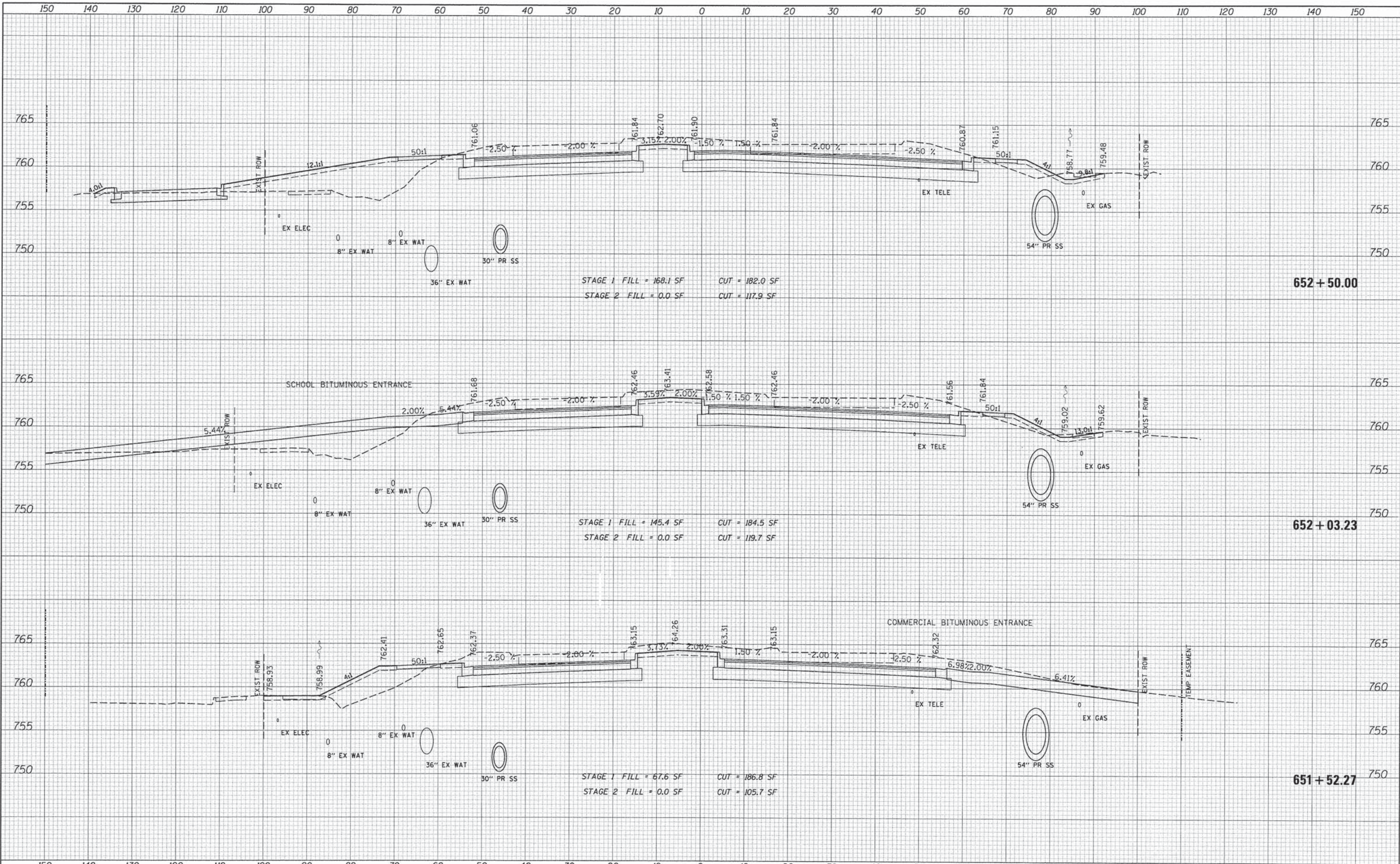
DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			0369	12-00233-07-PV	DU PAGE	285	239	
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED -			CONTRACT NO. 63851					
		DATE - 03/04/13	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

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

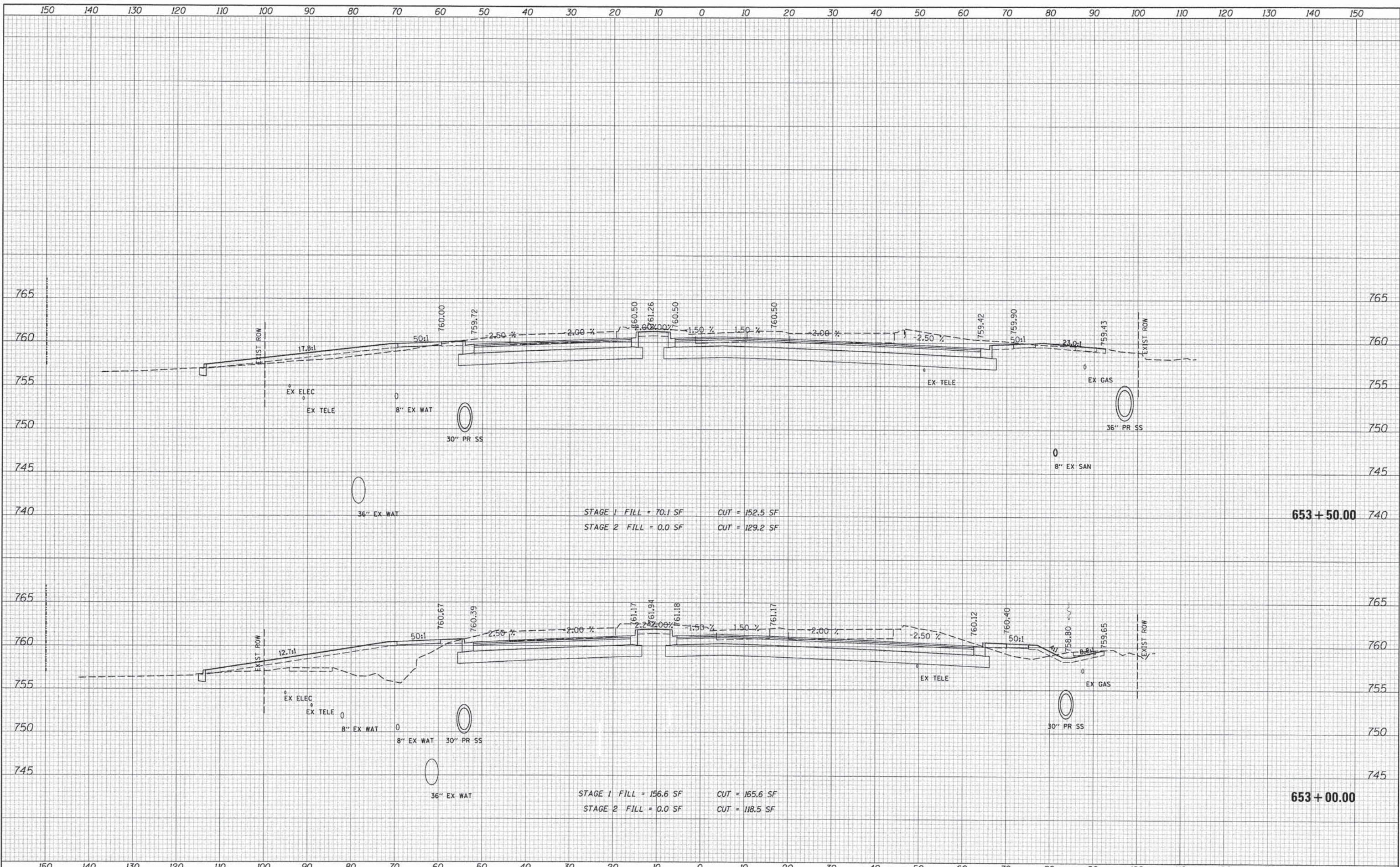
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = #USER#	DESIGNED - JQH	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS 75TH STREET</b>			F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 240
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 651+52.27	TO STA. 652+50.00	CONTRACT NO. 63851	
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 03/04/13	REVISED -									

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

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



STAGE 1 FILL = 70.1 SF    CUT = 152.5 SF  
 STAGE 2 FILL = 0.0 SF    CUT = 129.2 SF

**653 + 50.00**

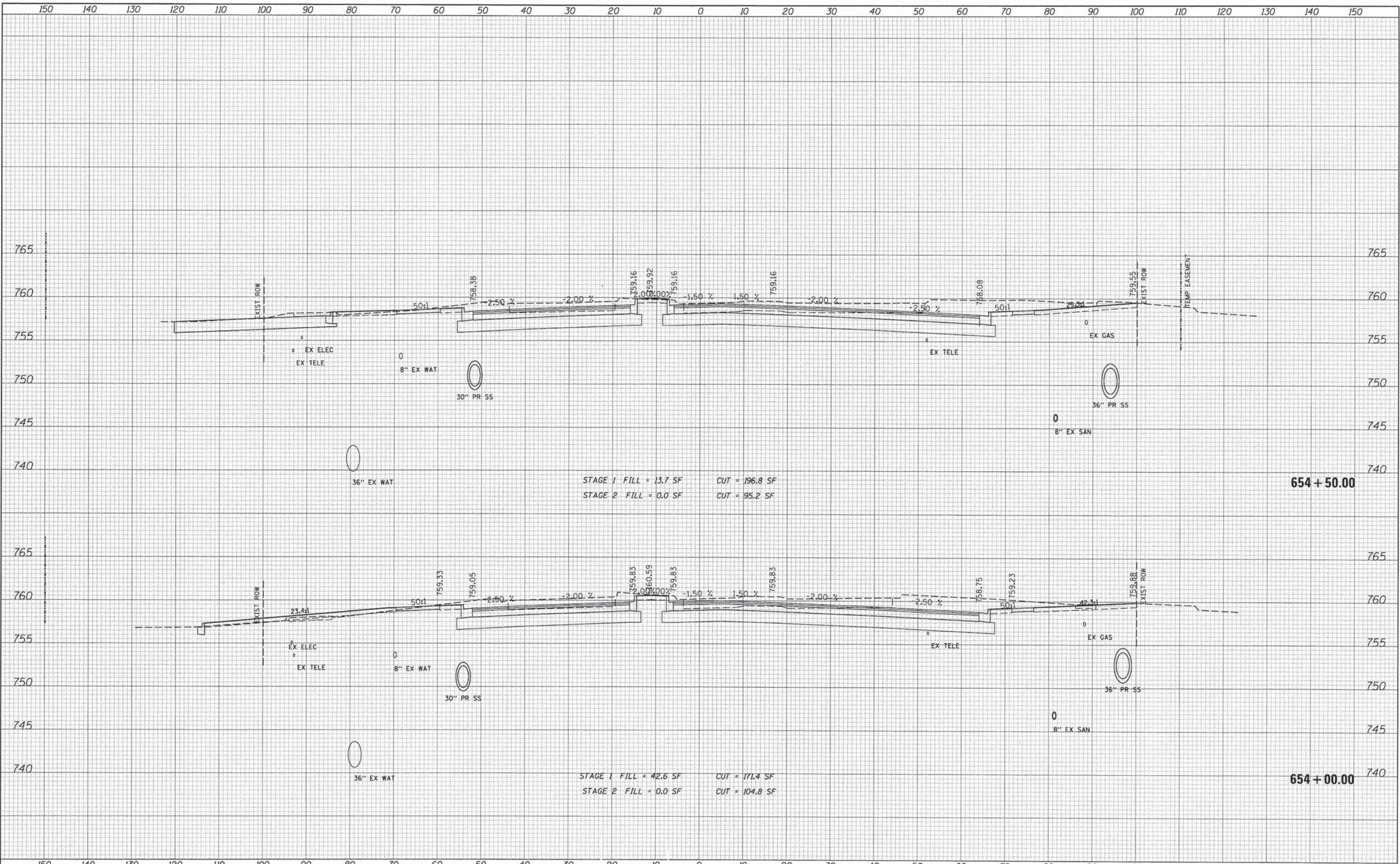
STAGE 1 FILL = 156.6 SF    CUT = 165.6 SF  
 STAGE 2 FILL = 0.0 SF    CUT = 118.5 SF

**653 + 00.00**

FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS 75TH STREET</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 653+00.00	TO STA. 653+50.00	DU PAGE	285	241
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED -								CONTRACT NO. 63851		
		DATE - 03/04/13	REVISED -								FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

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

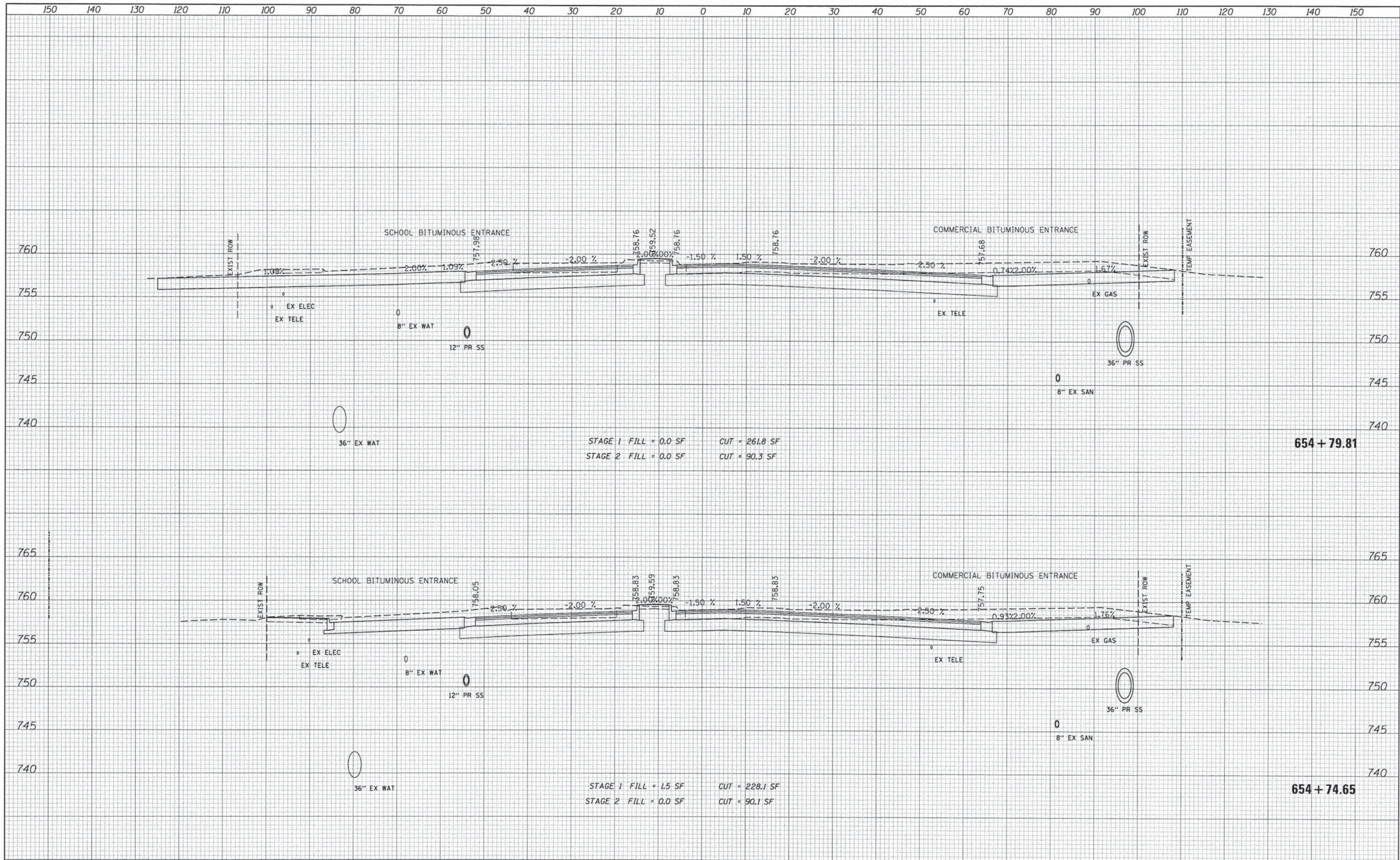
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SURVEYED	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			0369	12-00233-07-PV	DU PAGE	285	242	
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		DATE - 03/04/13	REVISED -			FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT					
		SCALE:			SHEET OF SHEETS STA. 654+00.00 TO STA. 654+50.00						

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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FINAL	
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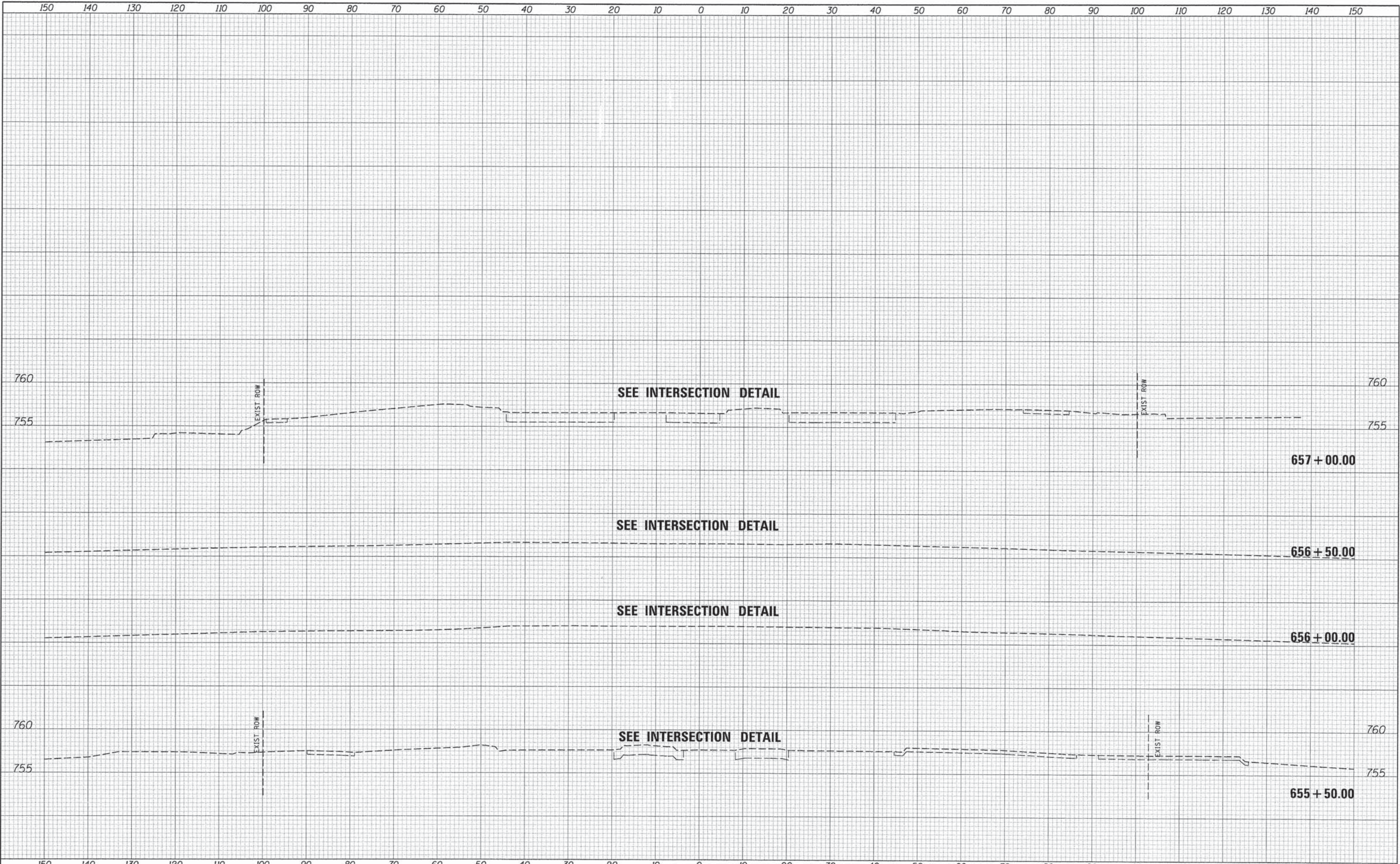
DATE	
BY	
ORIGINAL	
NO.	



FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 243	
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			SCALE: SHEET OF SHEETS STA. 654+74.65 TO STA. 654+79.81	CONTRACT NO. 63851				
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
		DATE - 03/04/13	REVISED -								

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

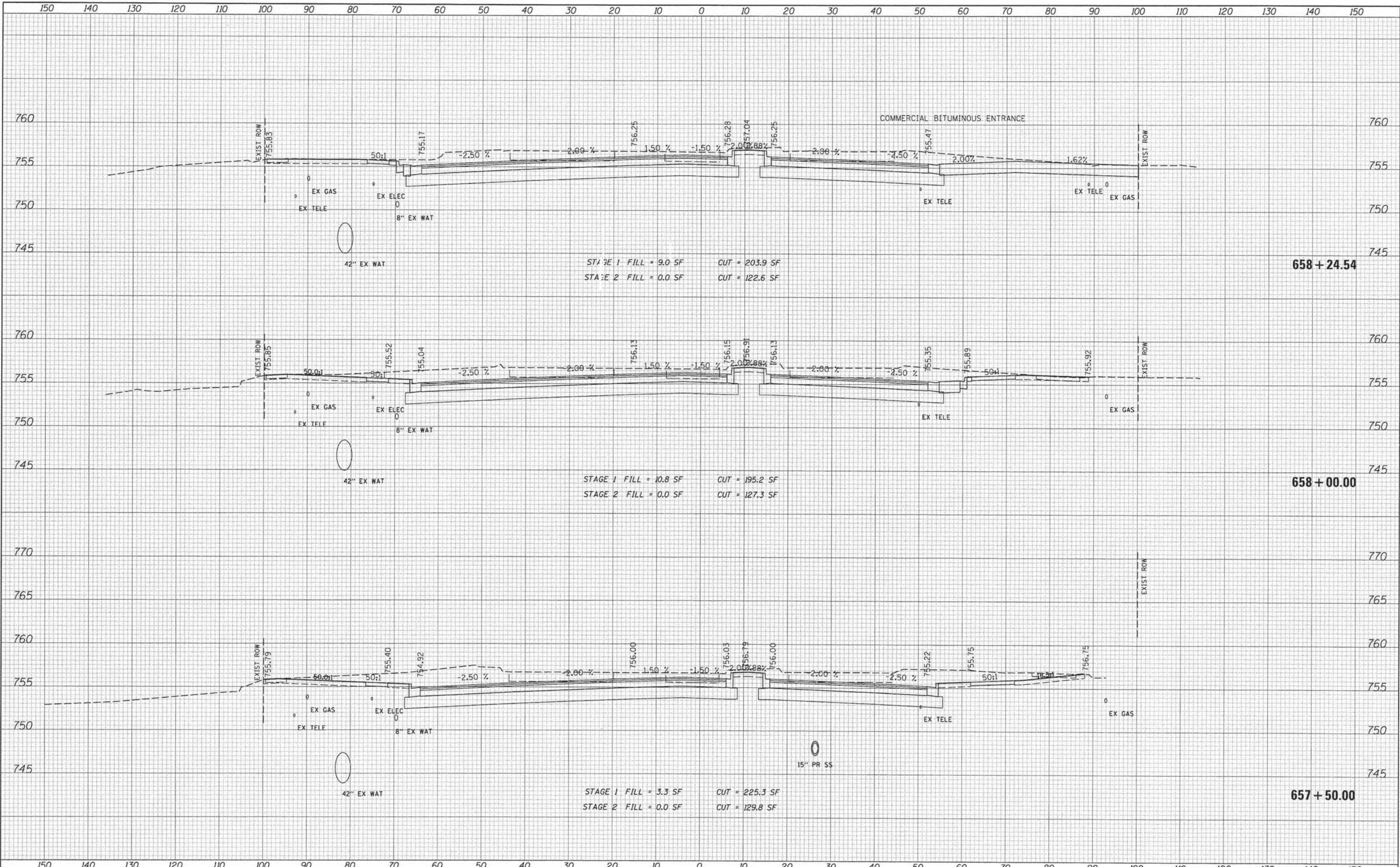
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	



FILE NAME =	USER NAME = \$USER\$	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS 75TH STREET</b>				F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 244
#FILEL#	PLOT SCALE = \$SCALE\$	DRAWN - DRP	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 655+50.00	TO STA. 657+00.00	CONTRACT NO. 63851		
	PLOT DATE = \$DATE\$	CHECKED - VJD	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								
		DATE - 03/04/13	REVISED -										

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

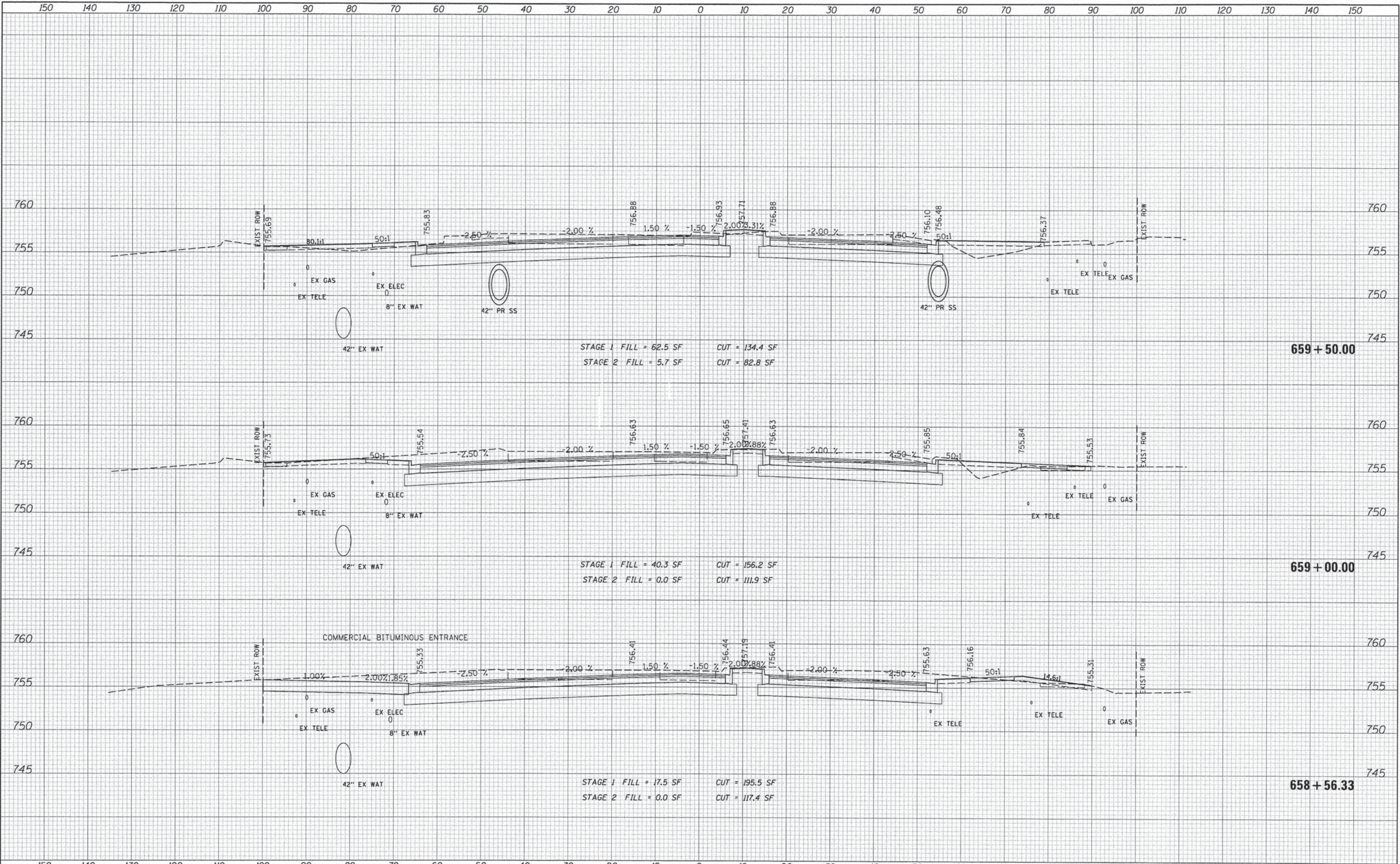
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED





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

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



STAGE 1 FILL = 62.5 SF    CUT = 134.4 SF  
 STAGE 2 FILL = 5.7 SF    CUT = 82.8 SF

STAGE 1 FILL = 40.3 SF    CUT = 156.2 SF  
 STAGE 2 FILL = 0.0 SF    CUT = 111.9 SF

STAGE 1 FILL = 17.5 SF    CUT = 195.5 SF  
 STAGE 2 FILL = 0.0 SF    CUT = 117.4 SF

**659 + 50.00**

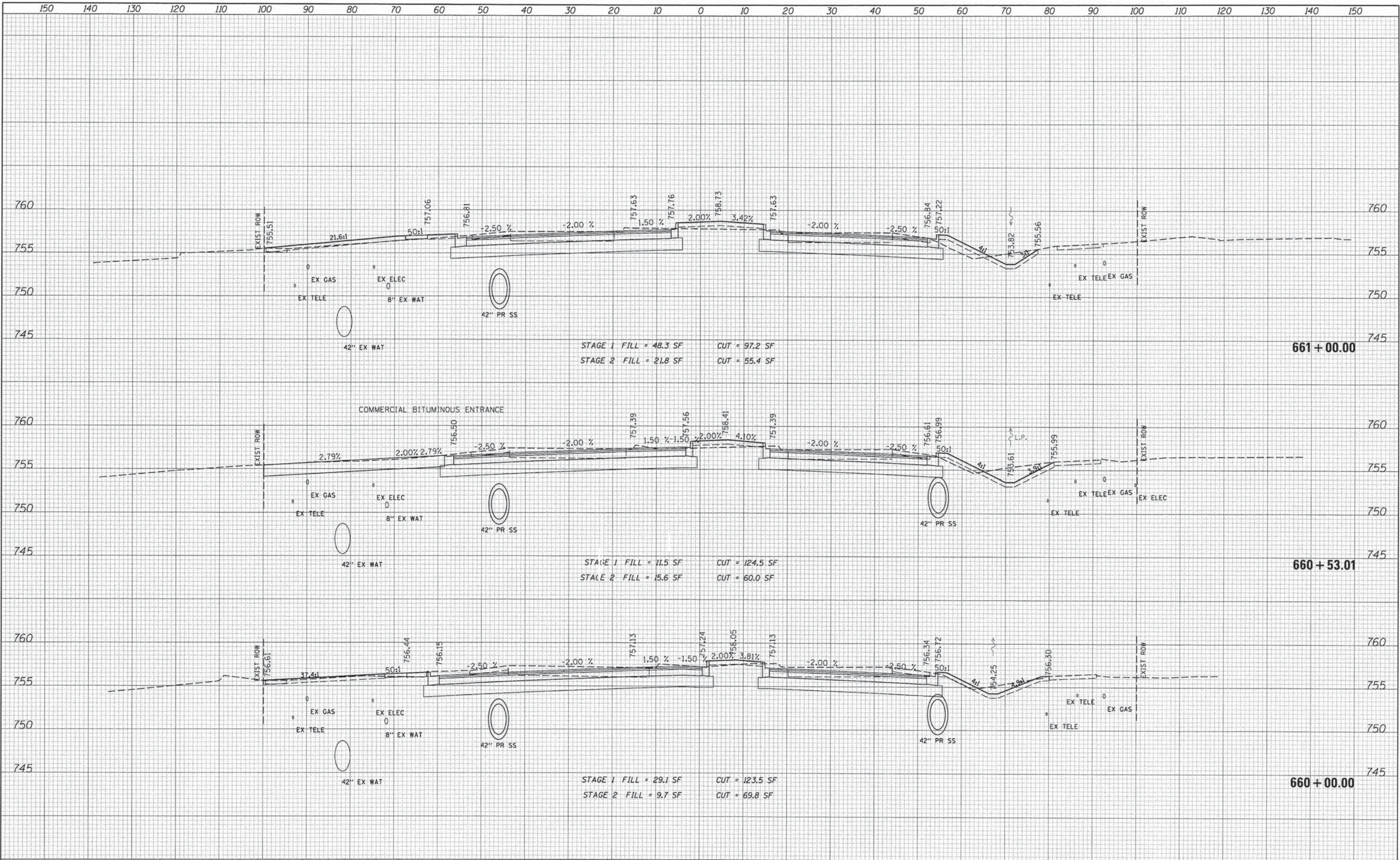
**659 + 00.00**

**658 + 56.33**

FILE NAME =	USER NAME = #USER*	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 246		
#FILEL*	PLOT SCALE = #SCALE*	DRAWN - DRP	REVISED -			SCALE:	SHEET OF SHEETS	STA. 658+56.33	TO STA. 659+50.00	CONTRACT NO. 63851		
	PLOT DATE = #DATE*	CHECKED - VJD	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
		DATE - 03/04/13	REVISED -									

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

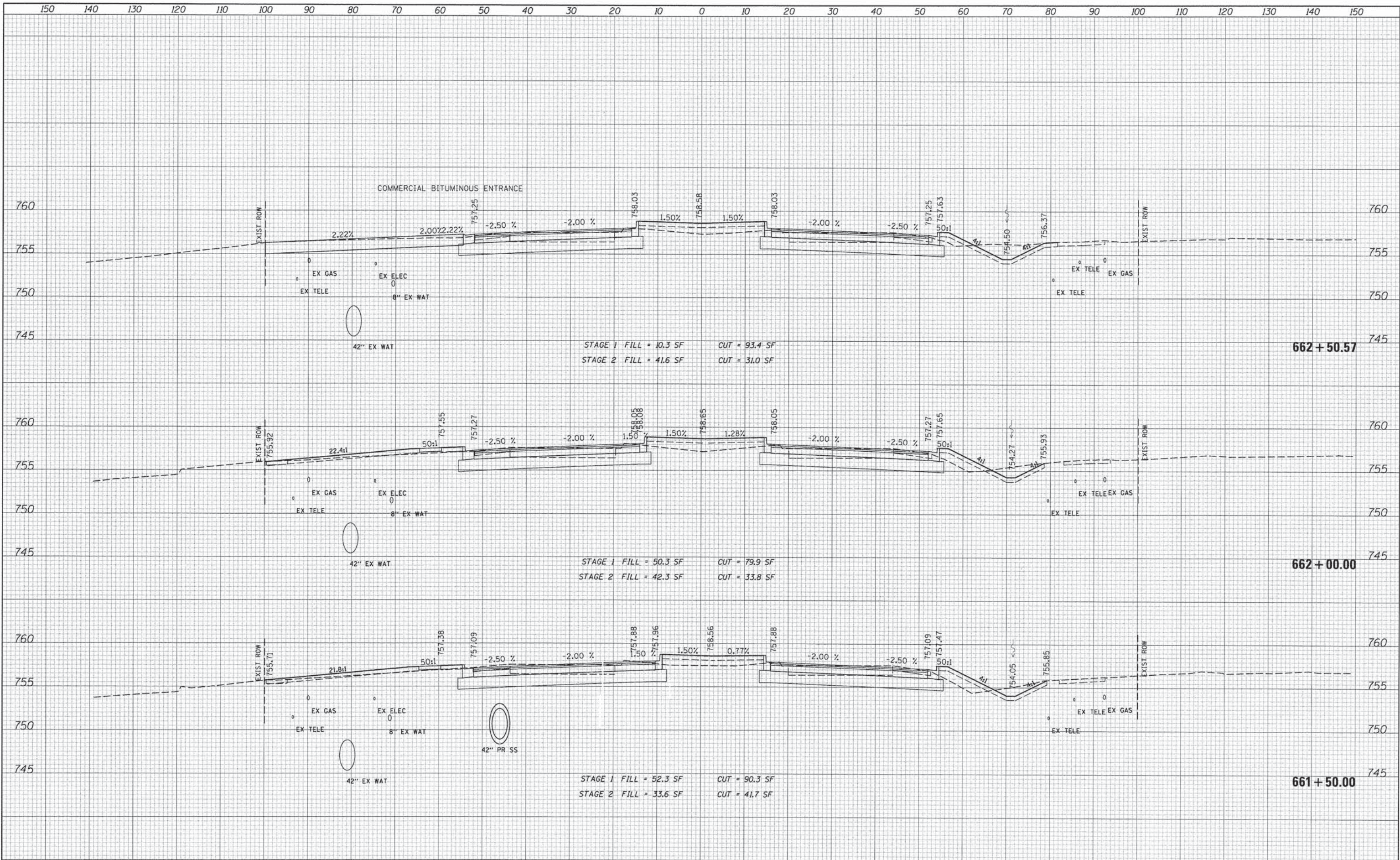
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY BOOK NO.	
NOTE BOOK NO.	



FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			0369	12-00233-07-PV	DU PAGE	285	247	
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		DATE - 03/04/13	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

DATE	
BY	
SURVEYED	
PLANNED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

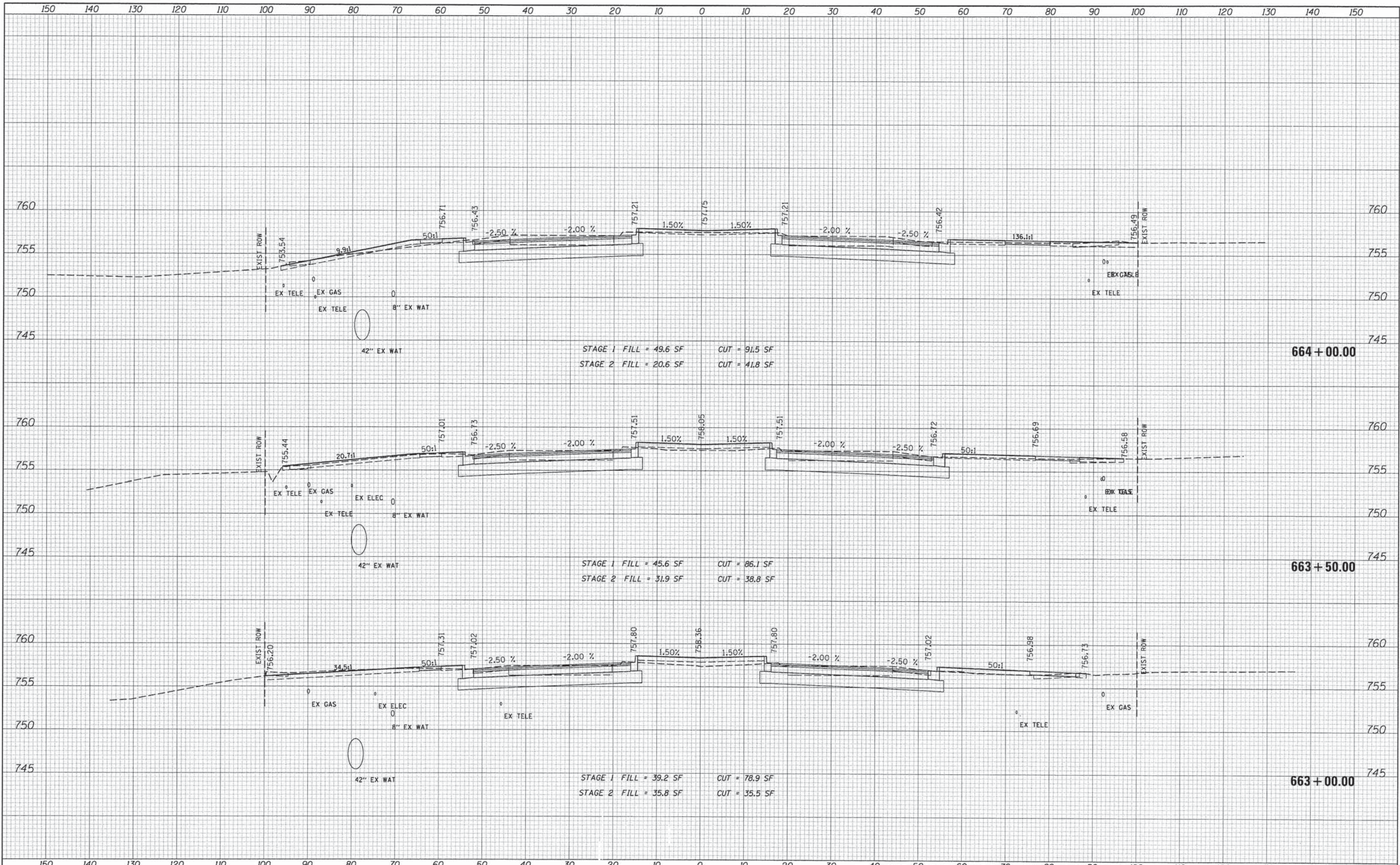
DATE	
BY	
SURVEYED	
PLANNED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			0369	12-00233-07-PV	DU PAGE	285	248	
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		DATE - 03/04/13	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

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

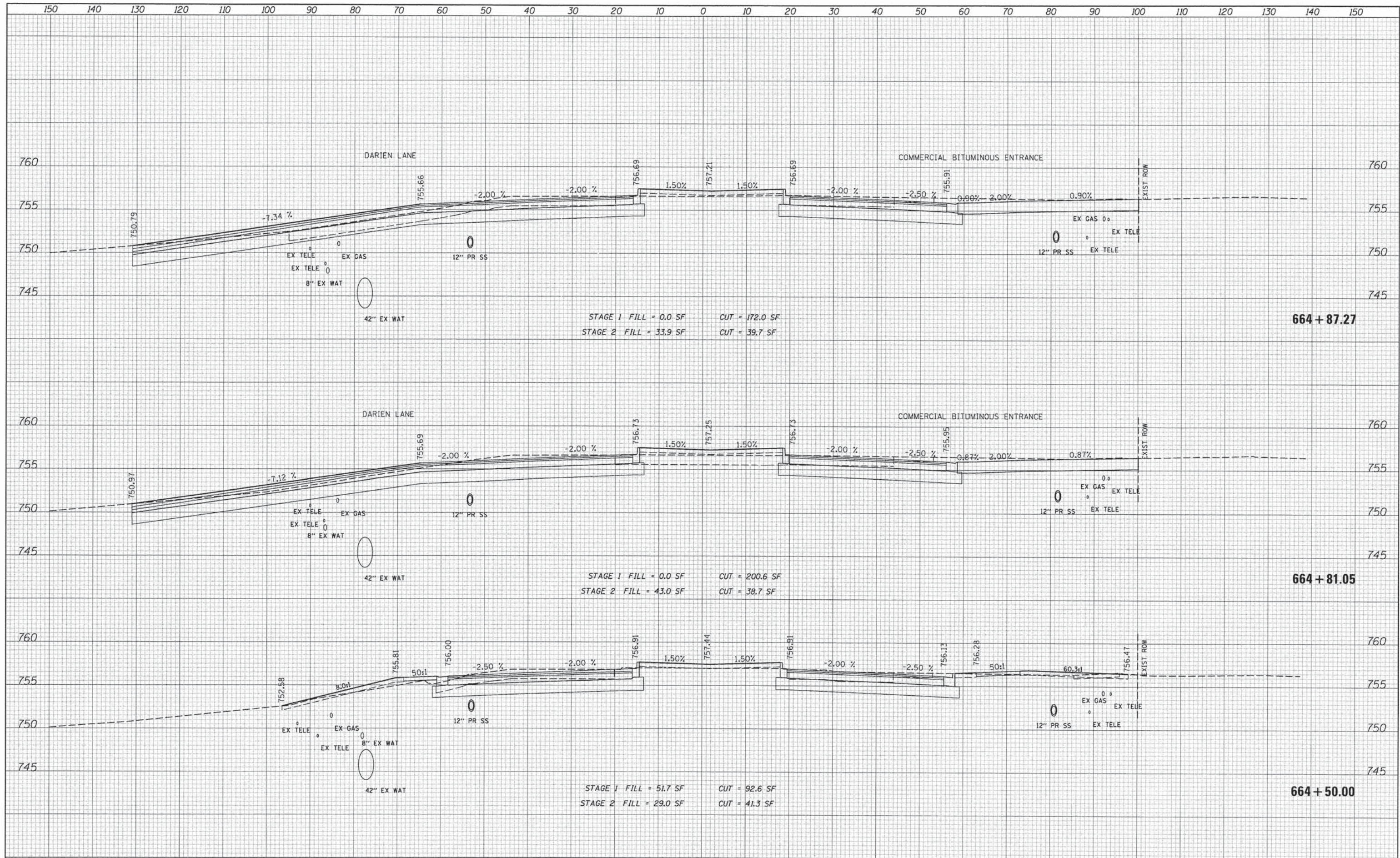
DATE	
BY	
SUPERVISED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = \$USER\$	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#	PLOT SCALE = \$SCALE\$	DRAWN - DRP	REVISED -			0369	12-00233-07-PV	DU PAGE	285	249	
	PLOT DATE = \$DATE\$	CHECKED - VJD	REVISED -			CONTRACT NO. 63851					
		DATE - 03/04/13	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

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

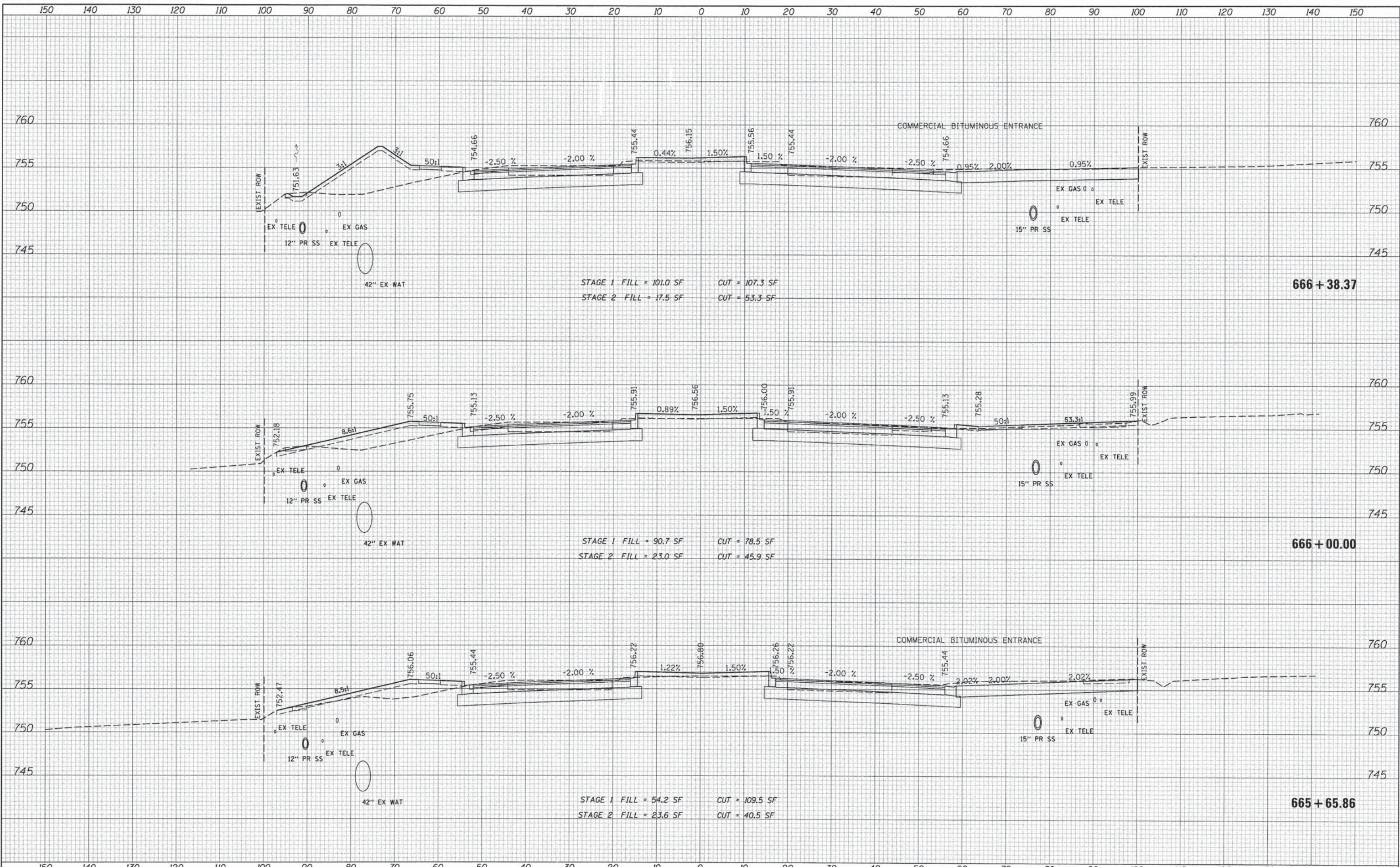
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
#FILE#		DRAWN - DRP	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 664+50.00	TO STA. 664+87.27	DU PAGE	285	250
		CHECKED - VJD	REVISED -								CONTRACT NO. 63851		
		DATE - 03/04/13	REVISED -								FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

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

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

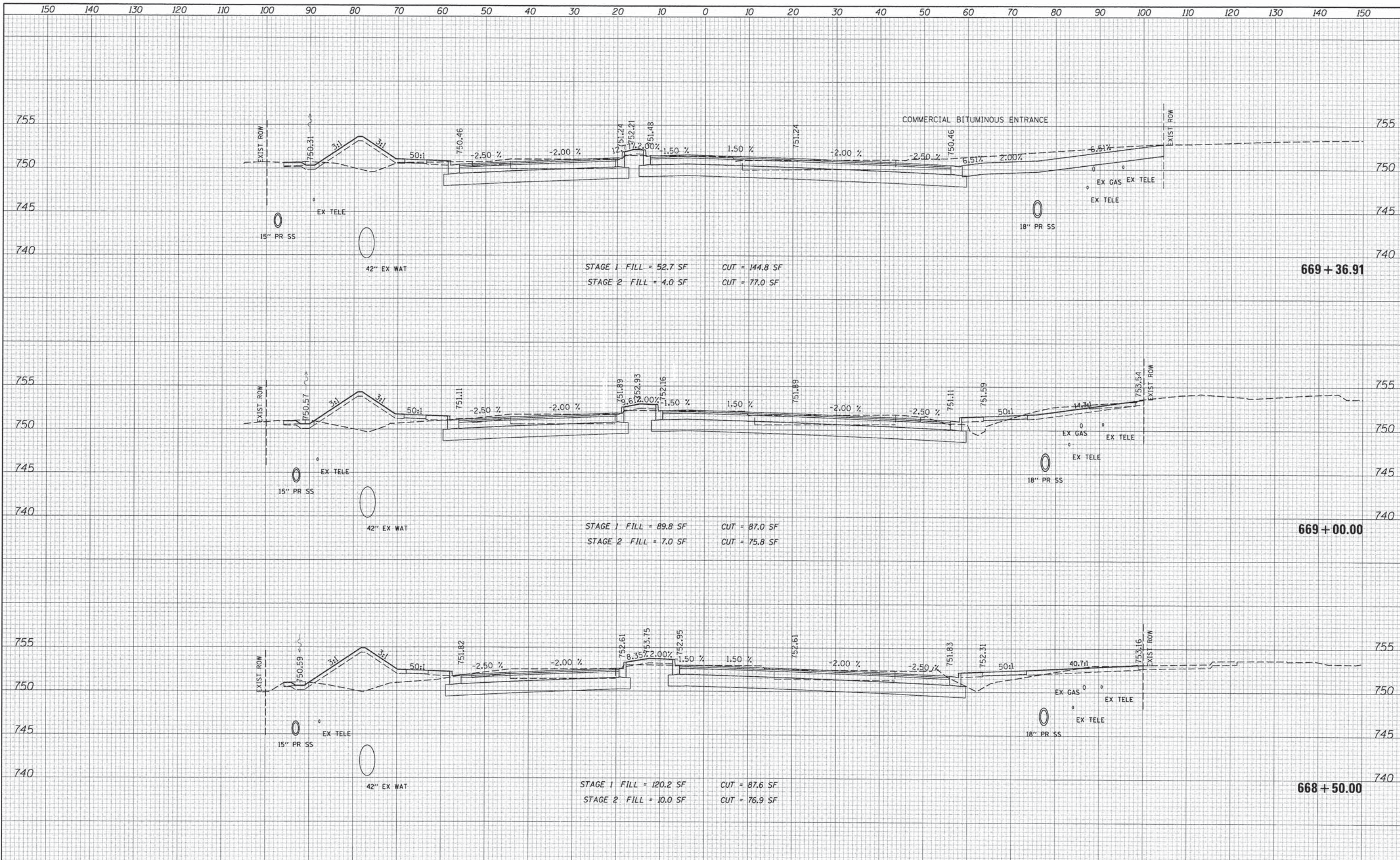


FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			0369	12-00233-07-PV	DU PAGE	285	251	
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		DATE - 03/04/13	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



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

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



FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>CROSS SECTIONS 75TH STREET</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	DESIGNED - DRP	REVISED -										0369	12-00233-07-PV	DU PAGE	285	253
	PLOT SCALE = #SCALE#	CHECKED - VJD	REVISED -	SCALE:    SHEET    OF    SHEETS    STA. 668+50.00    TO    STA. 669+36.91				CONTRACT NO. 63851				FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				
	PLOT DATE = #DATE#	DATE - 03/04/13	REVISED -													

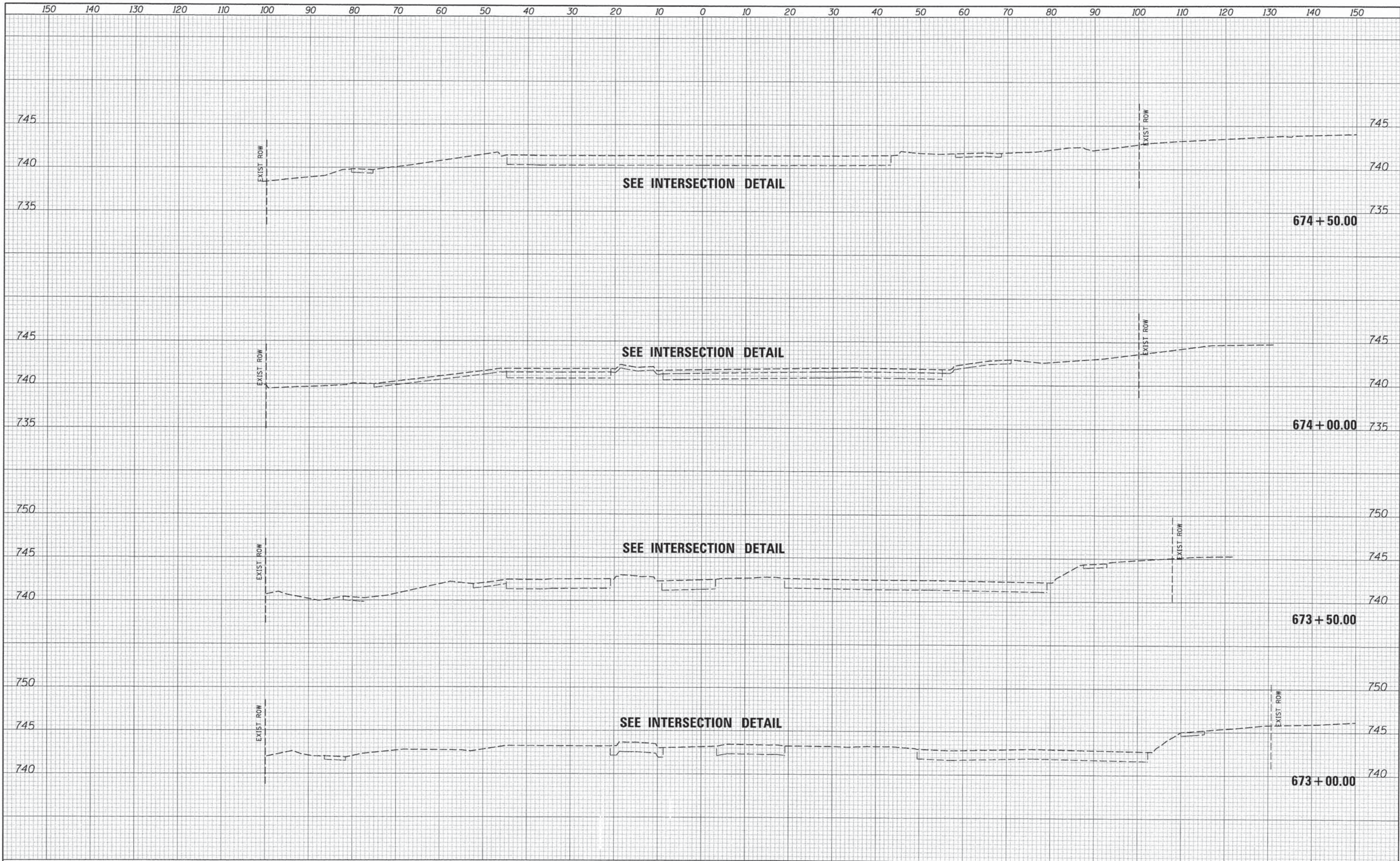






DATE	
BY	
SURVEYED	
DESIGNED	
DRAWN	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
DESIGNED	
DRAWN	
CHECKED	
NO.	









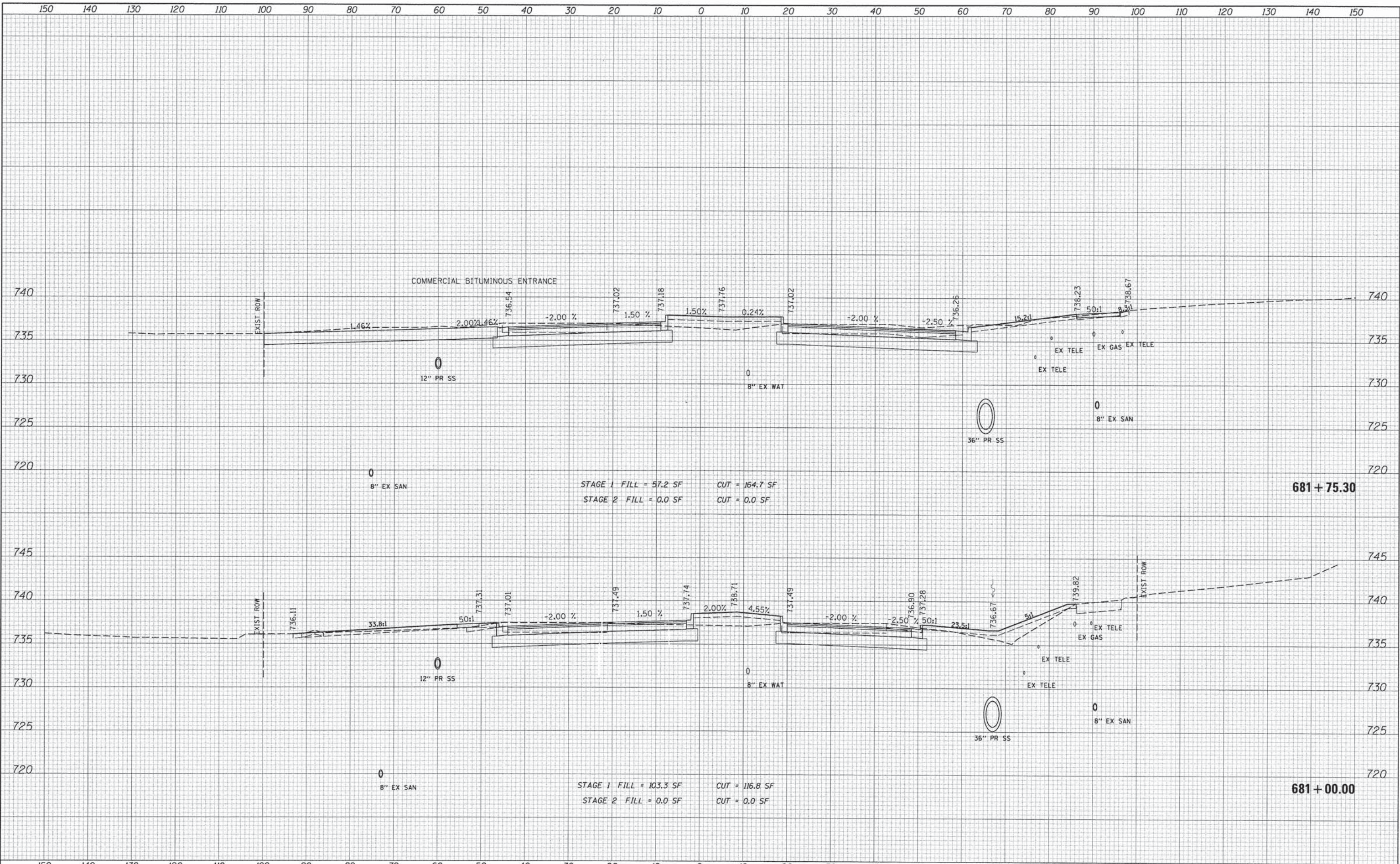






DATE	
BY	
SUPERVISED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SUPERVISED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



STAGE 1 FILL = 57.2 SF    CUT = 164.7 SF  
 STAGE 2 FILL = 0.0 SF    CUT = 0.0 SF

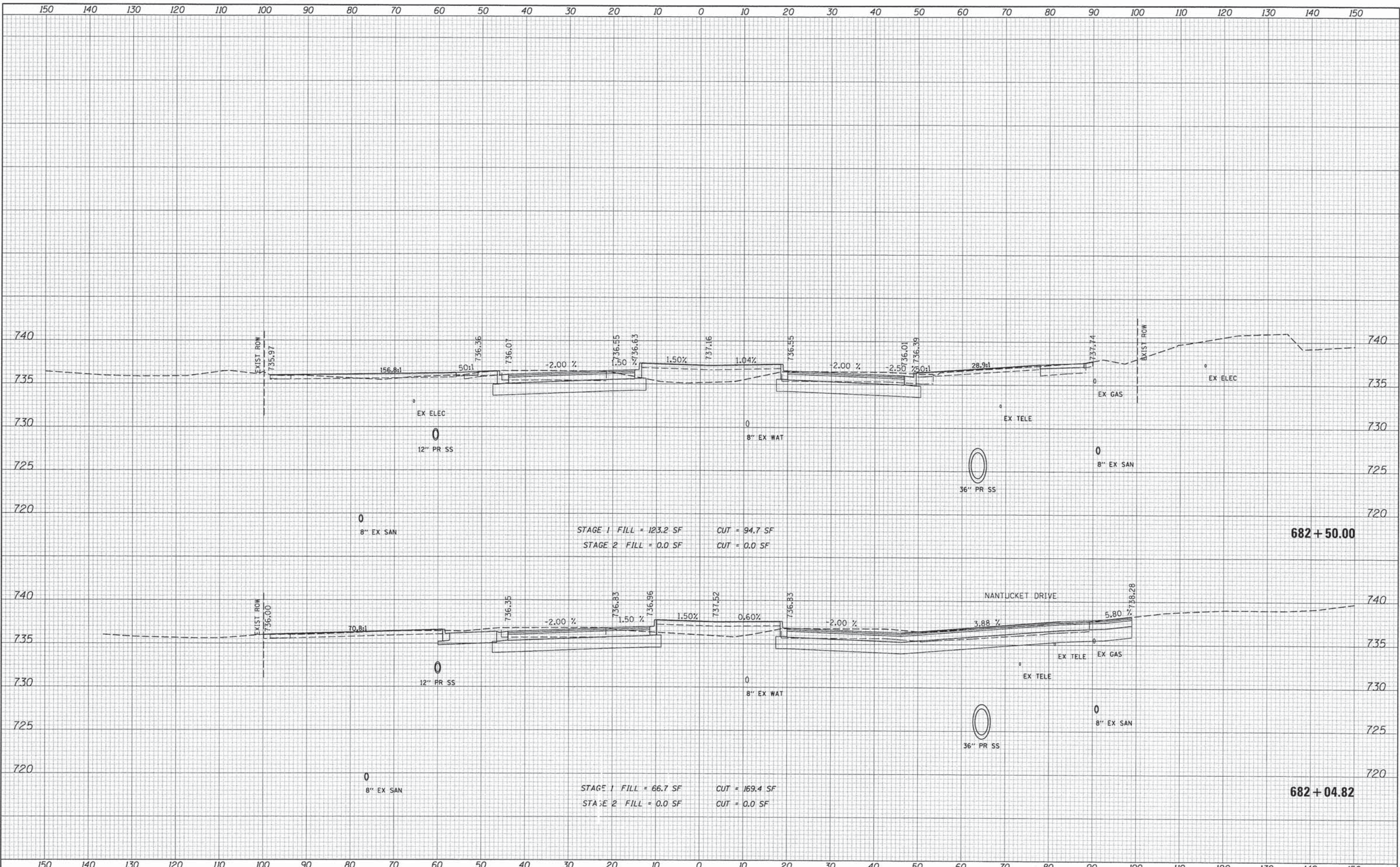
STAGE 1 FILL = 103.3 SF    CUT = 116.8 SF  
 STAGE 2 FILL = 0.0 SF    CUT = 0.0 SF

FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS 75TH STREET</b>	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			0369	12-00233-07-PV	DU PAGE	285	262	
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED -			CONTRACT NO. 63851					
		DATE - 03/04/13	REVISED -			FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT					

SCALE: SHEET OF SHEETS STA. 681+00.00 TO STA. 681+75.30

DATE	
BY	
SUBMITTED	
FINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

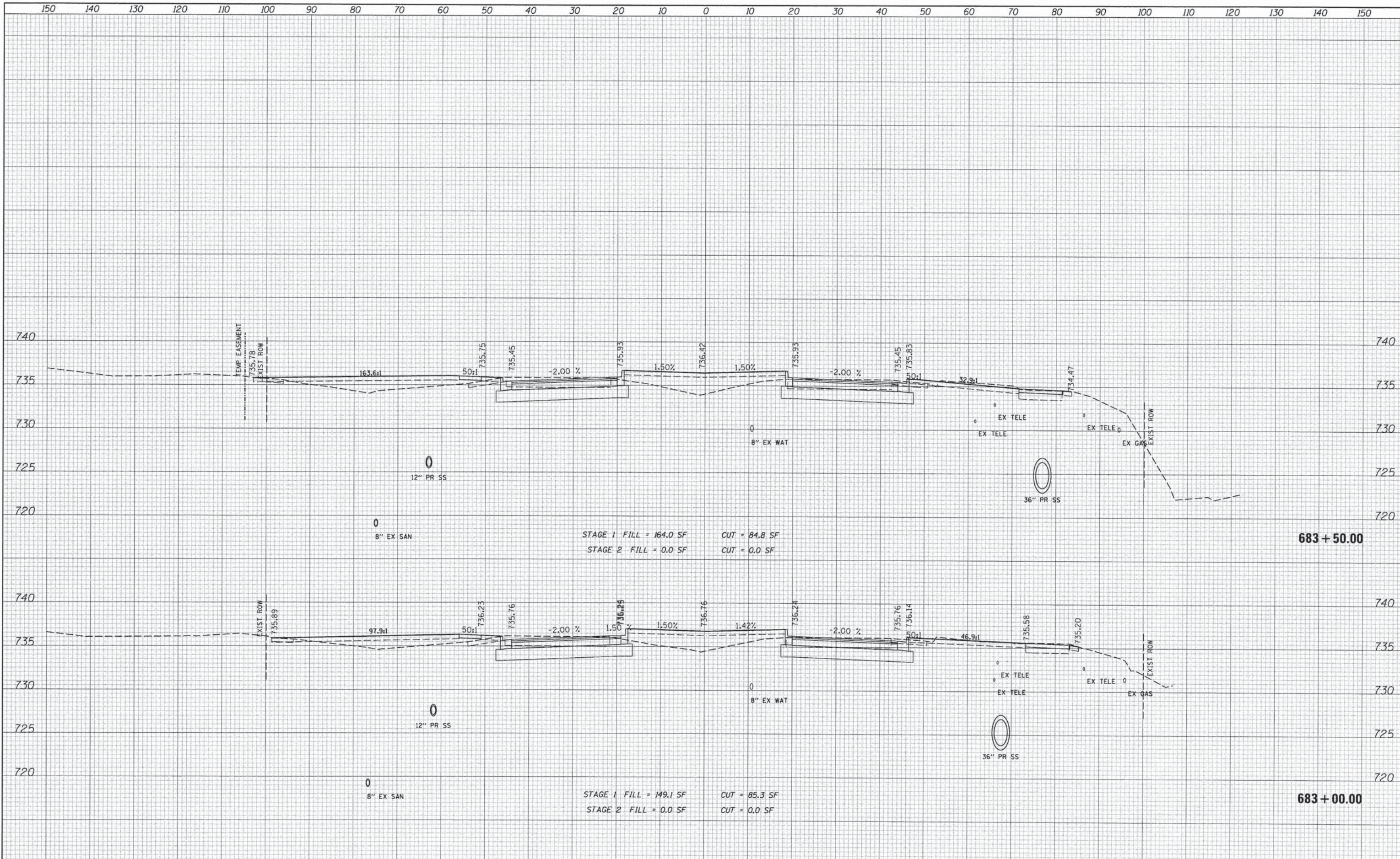
DATE	
BY	
SUBMITTED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

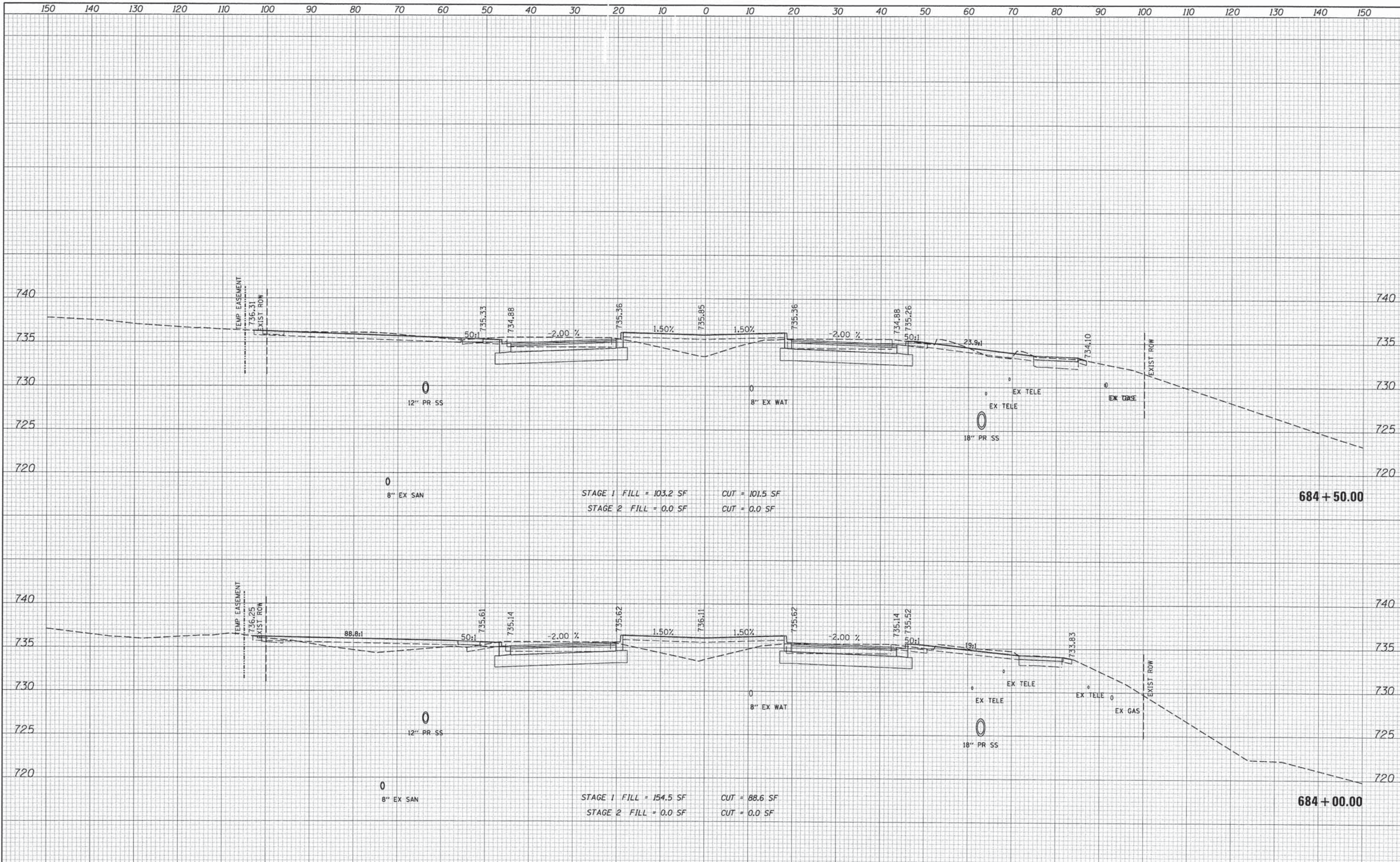


FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION CROSS SECTIONS 75TH STREET SCALE:     SHEET     OF     SHEETS     STA. 682+04.82     TO STA. 682+50.00	F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 263
#FILEL#	PLOT SCALE = #SCALE#	CHECKED - VJD	REVISED -		CONTRACT NO. 63851			FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT	
	PLOT DATE = #DATE#	DATE - 03/04/13	REVISED -						

BY	DATE
DESIGNED	
DRAWN	
CHECKED	
DATE	

BY	DATE
DESIGNED	
DRAWN	
CHECKED	
DATE	





DATE	
BY	
FINAL SURVEY	
SURVEY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

FILE NAME :	USER NAME : *USER*	DESIGNED - JDH	REVISED -
*FILE#		DRAWN - DRP	REVISED -
		CHECKED - VJD	REVISED -
		DATE - 03/04/13	REVISED -

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

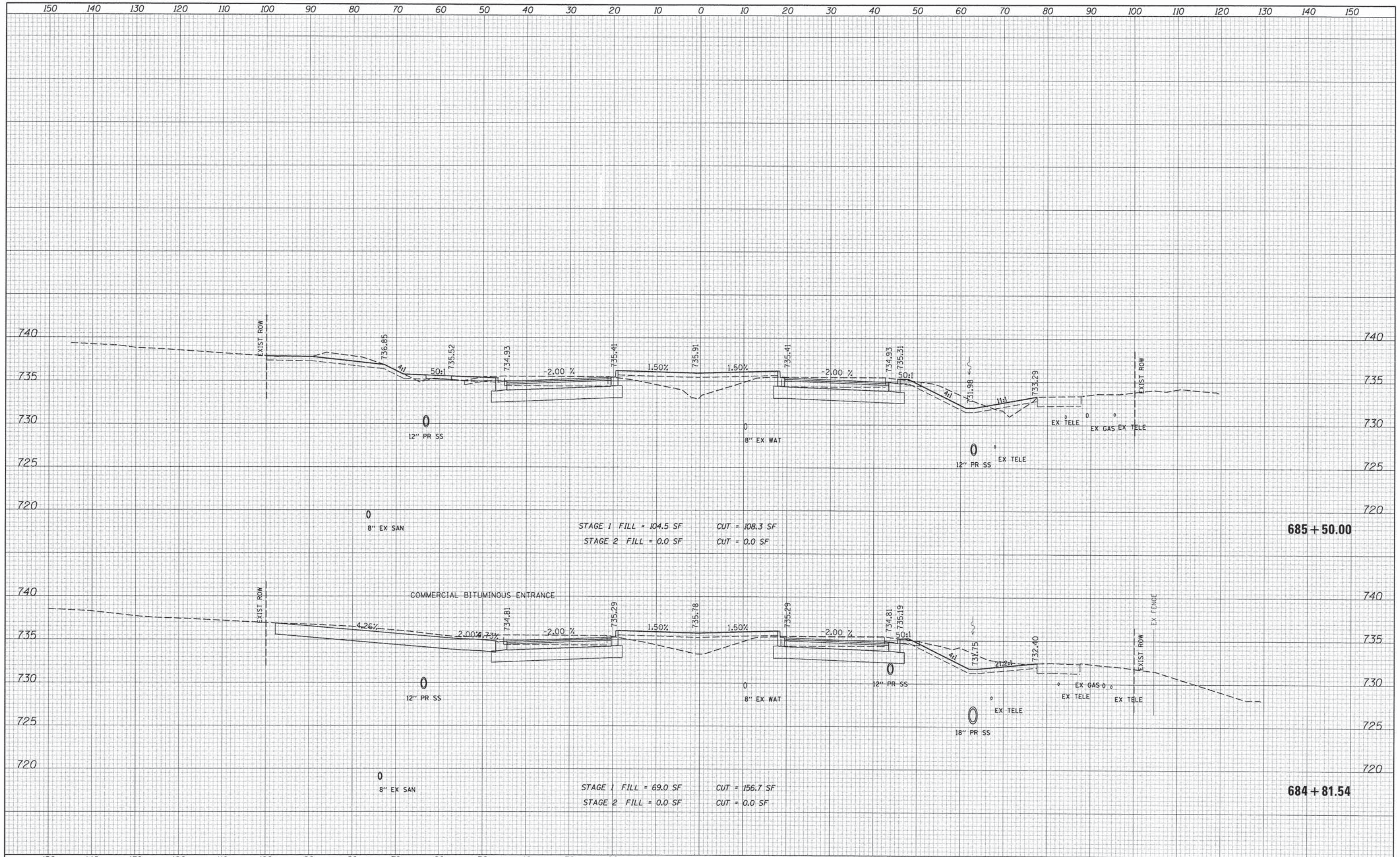
**CROSS SECTIONS**  
**75TH STREET**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	265
<b>CONTRACT NO. 63851</b>				

SCALE: SHEET OF SHEETS STA. 684+00.00 TO STA. 684+50.00

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

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



FILE NAME =	
*FILEL*	

USER NAME =	*USER*	DESIGNED -	JDH	REVISED -	
		DRAWN -	DRP	REVISED -	
PLOT SCALE =	*SCALE*	CHECKED -	VJD	REVISED -	
PLOT DATE =	*DATE*	DATE -	03/04/13	REVISED -	

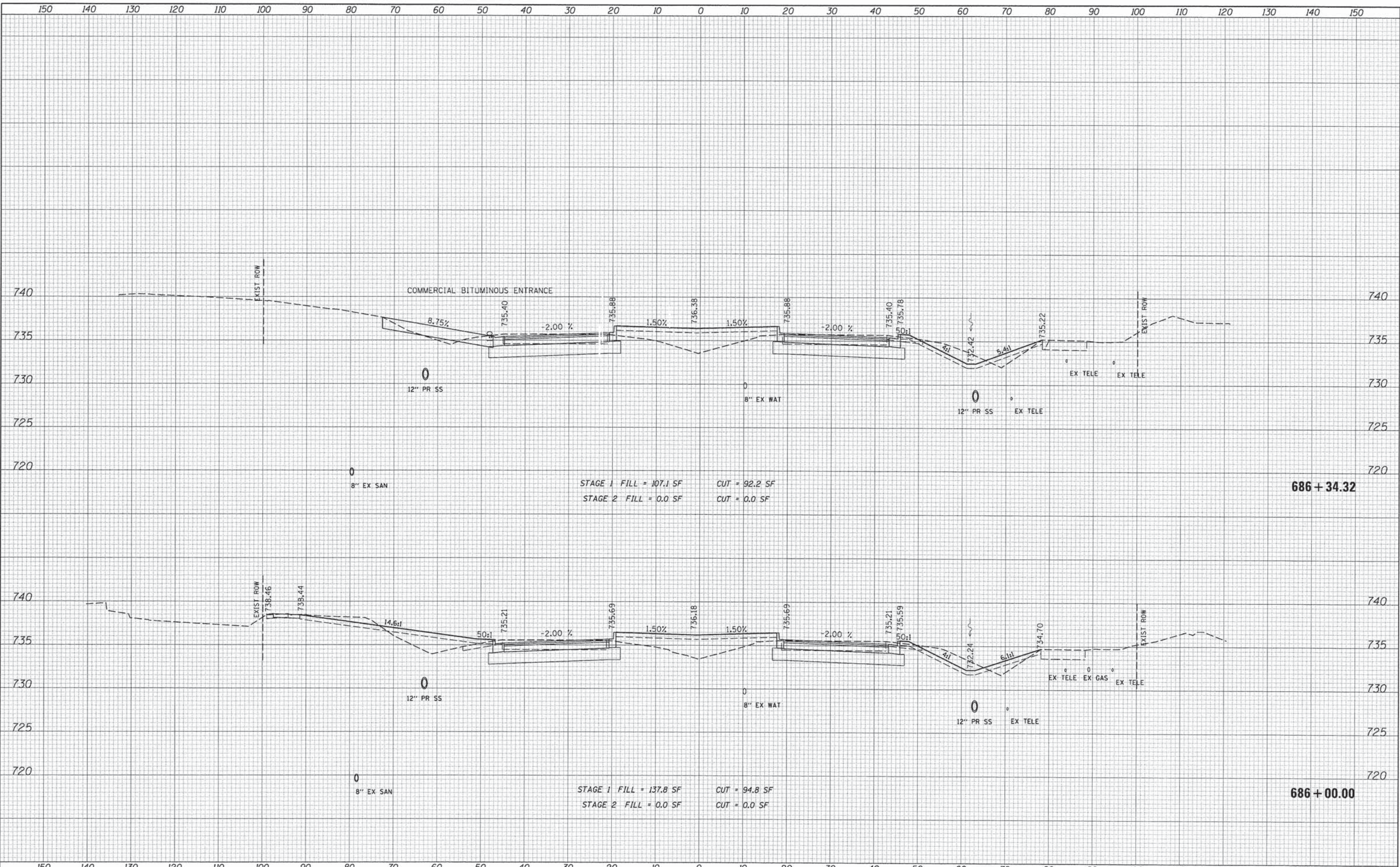
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS 75TH STREET</b>			
SCALE:	SHEET	OF	SHEETS
STA. 684+81.54		TO STA. 685+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	266
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

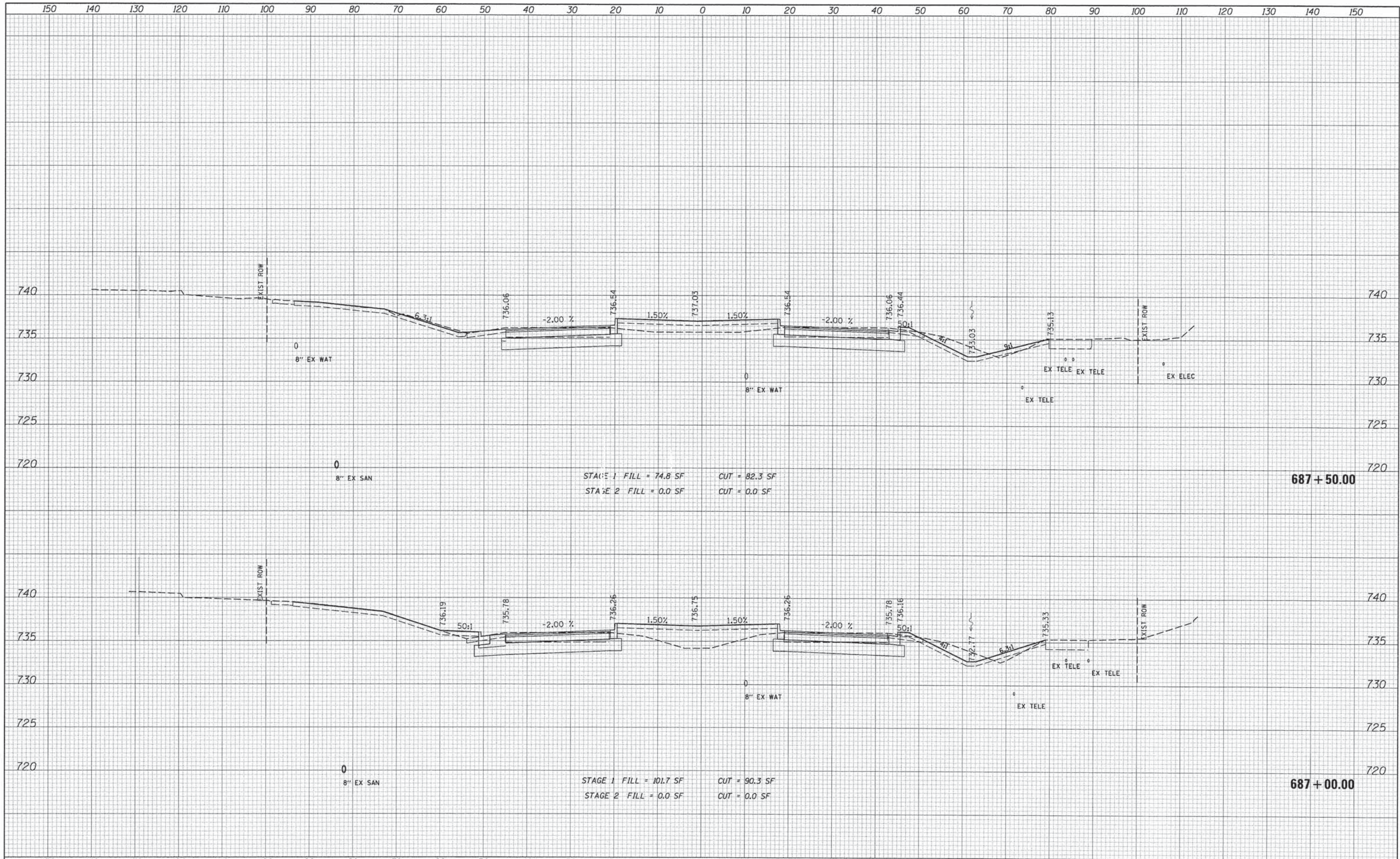
DATE	
BY	
ORIGINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = #USER#	DESIGNED - JDH	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>75TH STREET</b>	F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 267	
#FILEL#	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISIED -			SCALE: SHEET OF SHEETS STA. 686+00.00 TO STA. 686+34.32	CONTRACT NO. 63851				
	PLOT DATE = #DATE#	CHECKED - VJD	REVISIED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
		DATE - 03/04/13	REVISIED -								

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISED	
REVISION	
NO.	
FINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISED	
REVISION	
NO.	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



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PLOT DATE = \$DATE\$	CHECKED - VJD	REVISED -
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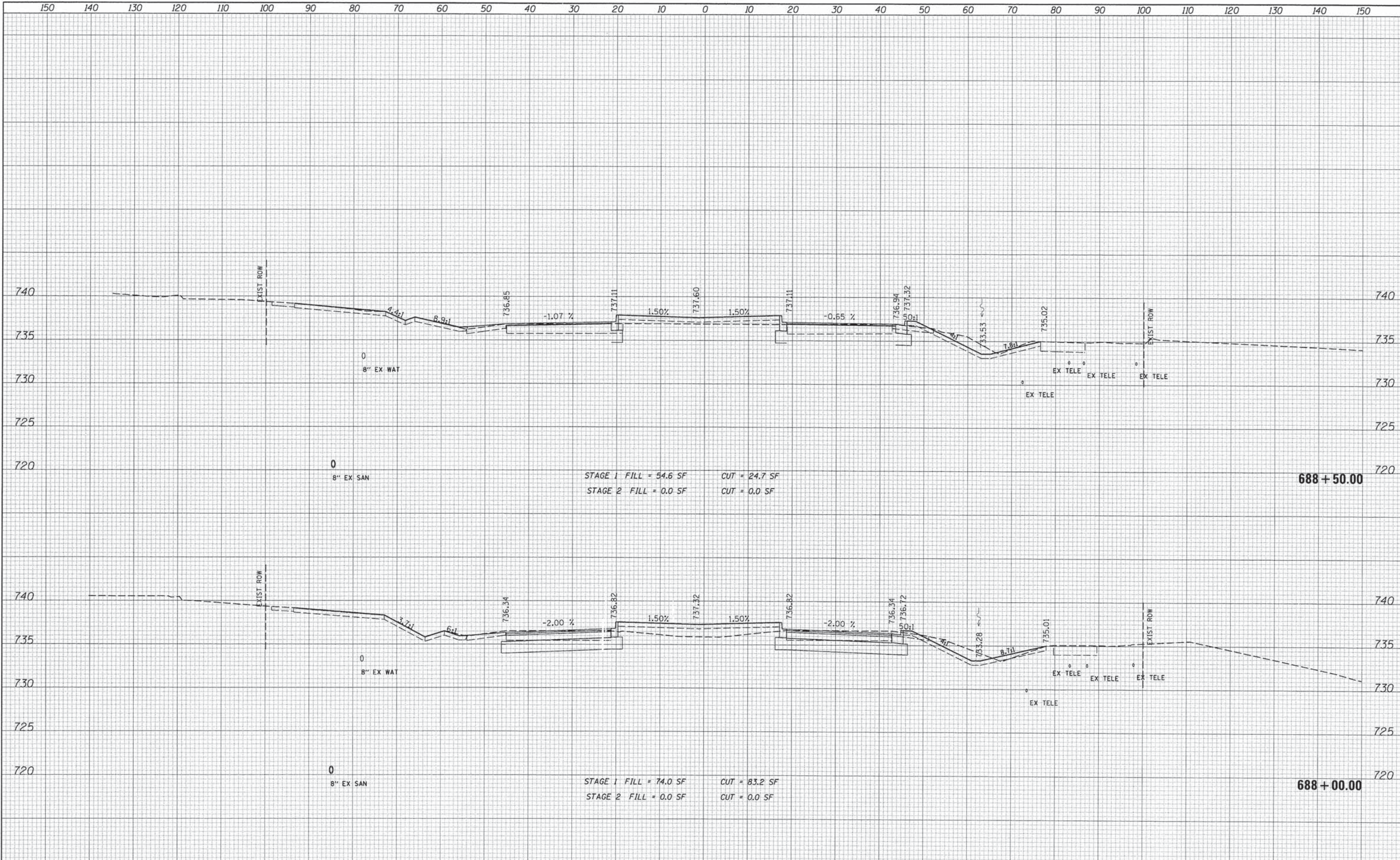
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**75TH STREET**

SCALE: SHEET OF SHEETS STA. 687+00.00 TO STA. 687+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	268
CONTRACT NO. 63851				

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



DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
USER NAME	#USER#
DESIGNED	- JDH
DRAWN	- DRP
CHECKED	- VJD
DATE	- 03/04/13

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
USER NAME	#USER#
DESIGNED	- JDH
DRAWN	- DRP
CHECKED	- VJD
DATE	- 03/04/13

FILE NAME	#
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USER NAME	#USER#
DESIGNED	- JDH
DRAWN	- DRP
CHECKED	- VJD
DATE	- 03/04/13

DESIGNED	- JDH
DRAWN	- DRP
CHECKED	- VJD
DATE	- 03/04/13

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
75TH STREET

SCALE: SHEET OF SHEETS STA. 688+00.00 TO STA. 688+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	269
				CONTRACT NO. 63851
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				









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INTENTIONALLY BLANK**



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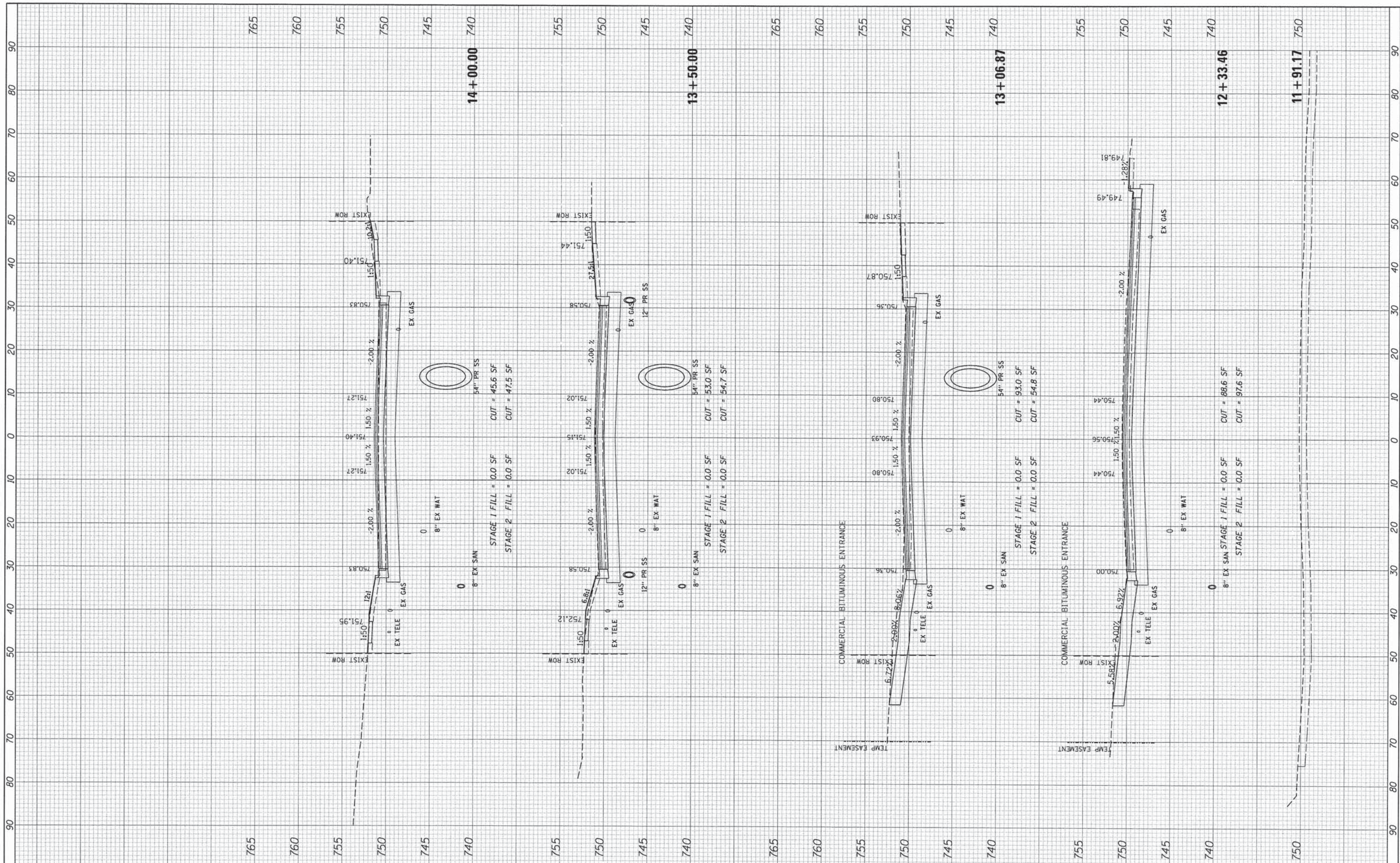
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
75TH STREET**

SCALE: 1"=10' SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	273
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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USER NAME = #USER#	DESIGNED - JDH	REVISED -
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	DATE - 03/04/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

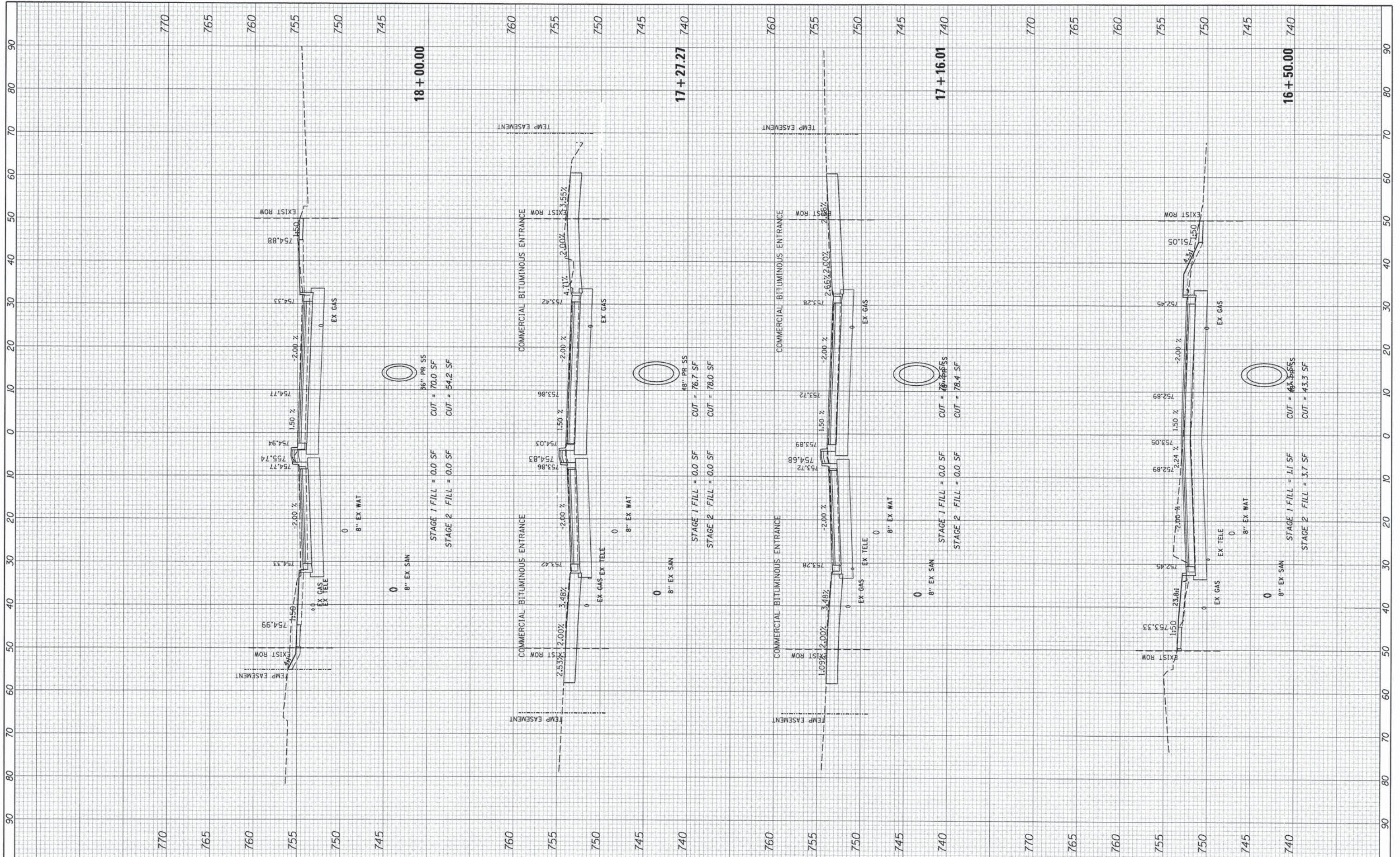
**CROSS SECTIONS  
 CASS AVENUE**

SCALE: 1"=10' H  
 1"=50' V

SHEET NO. OF SHEETS 11+91.17 14+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PY	DU PAGE	285	274
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63851	





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USER NAME = #USER#	DESIGNED - JDH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - VJD	REVISED -
	DATE - 03/04/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

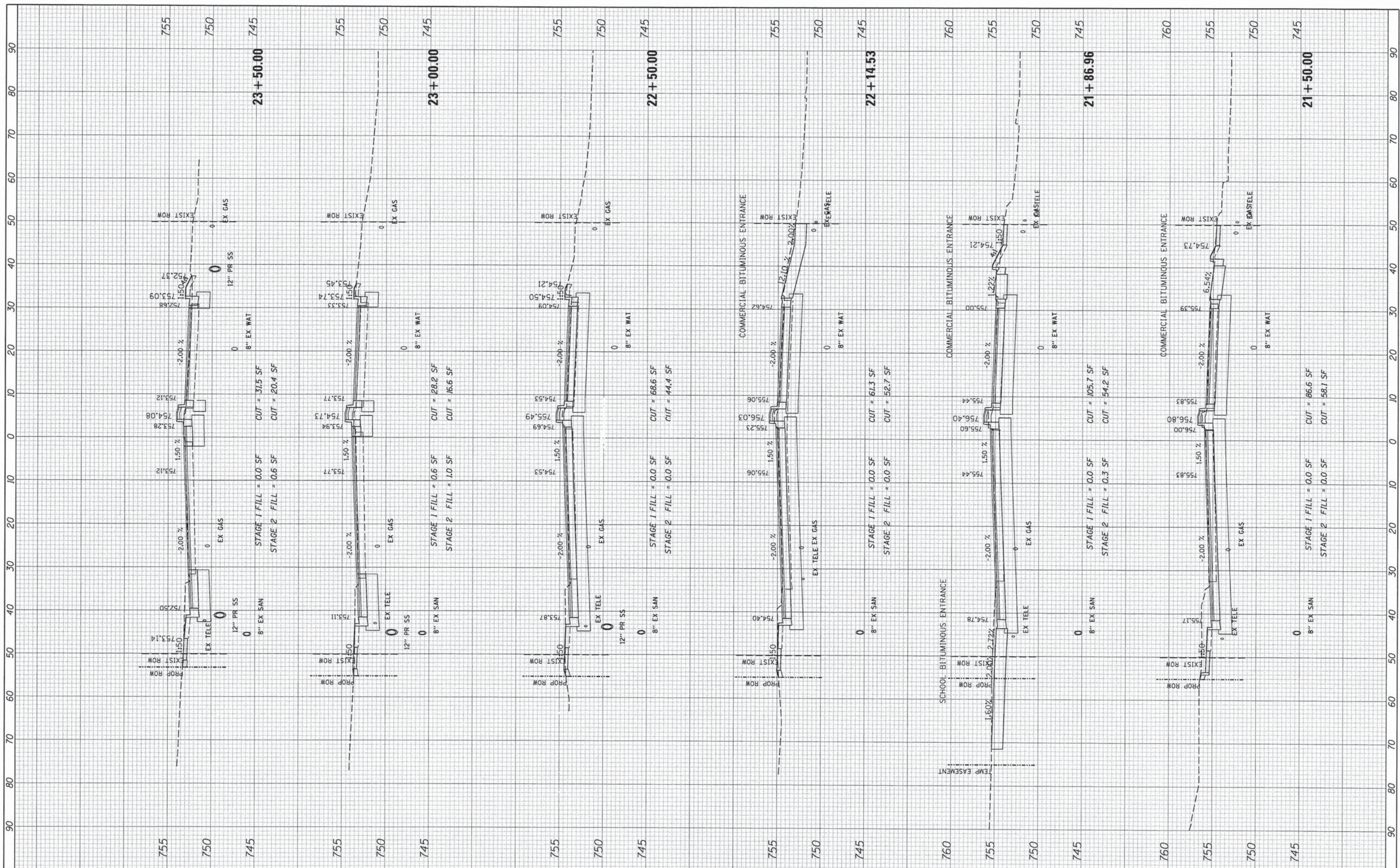
**CROSS SECTIONS  
 CASS AVENUE**

SCALE:  $\frac{1''=10' H}{1''=25' V}$  SHEET NO. OF SHEETS 16+50.00 18+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PY	DU PAGE	285	276
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63851	







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USER NAME = #USER#  
 PLOT SCALE = #SCALE#  
 PLOT DATE = #DATE#

DESIGNED - JDH  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 03/04/13

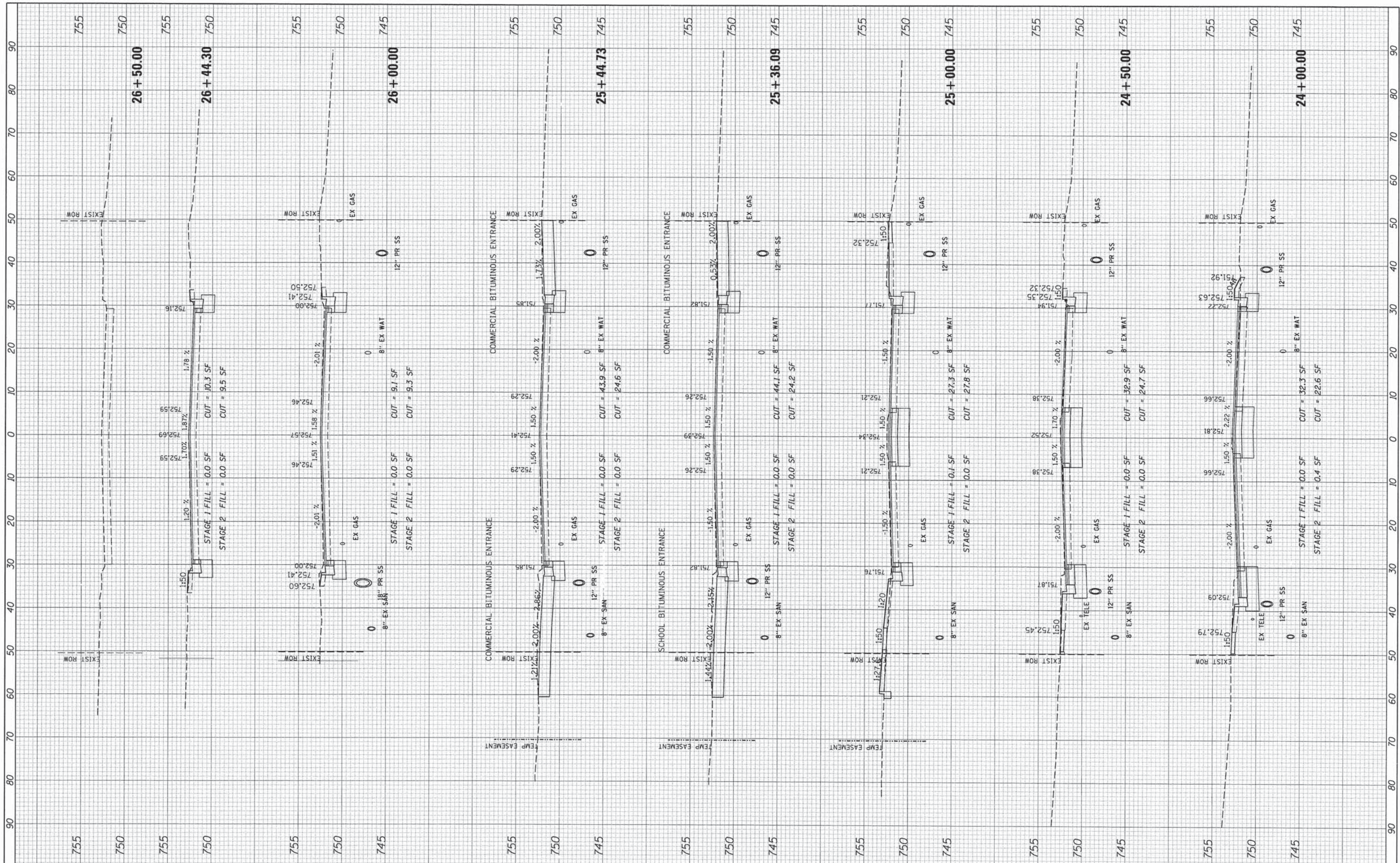
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 CASS AVENUE

SCALE: 1"=10' H  
 1"=50' V  
 SHEET NO. OF SHEETS 21+50.00 23+50.00

F.A.P. RTE. 0369	SECTION 12-00233-07-PY	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 278
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				
CONTRACT NO. 63851				



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USER NAME = #USER#	DESIGNED - JDH	REVISED - ..
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ..
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ..
	DATE - 03/04/13	REVISED - ..

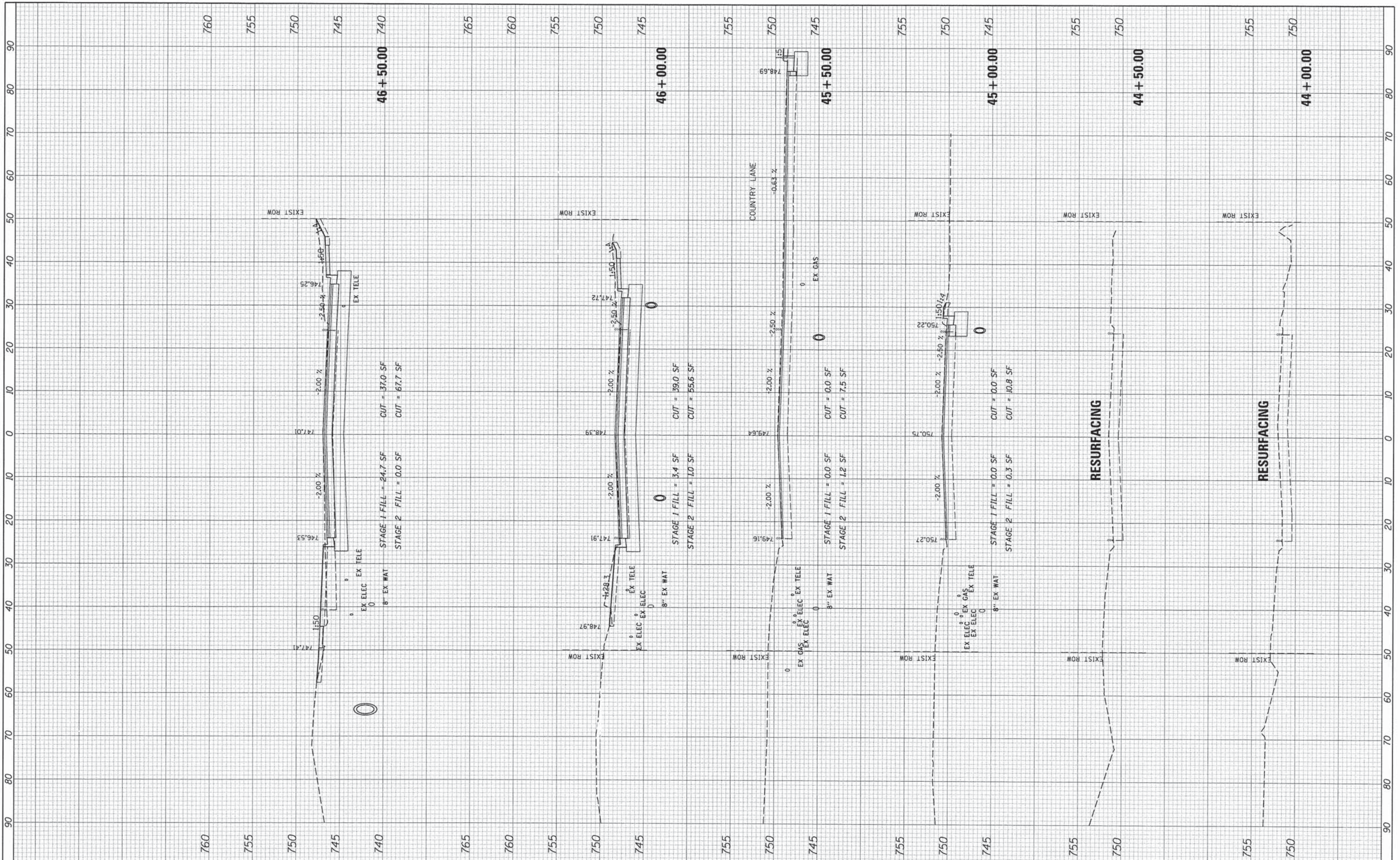
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 CASS AVENUE**

SCALE: 1"=10' H  
 1"=50' V

SHEET NO. OF SHEETS 24+00.00 26+44.30

F.A.P. RTE. 0369	SECTION 12-00233-07-PY	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 279
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



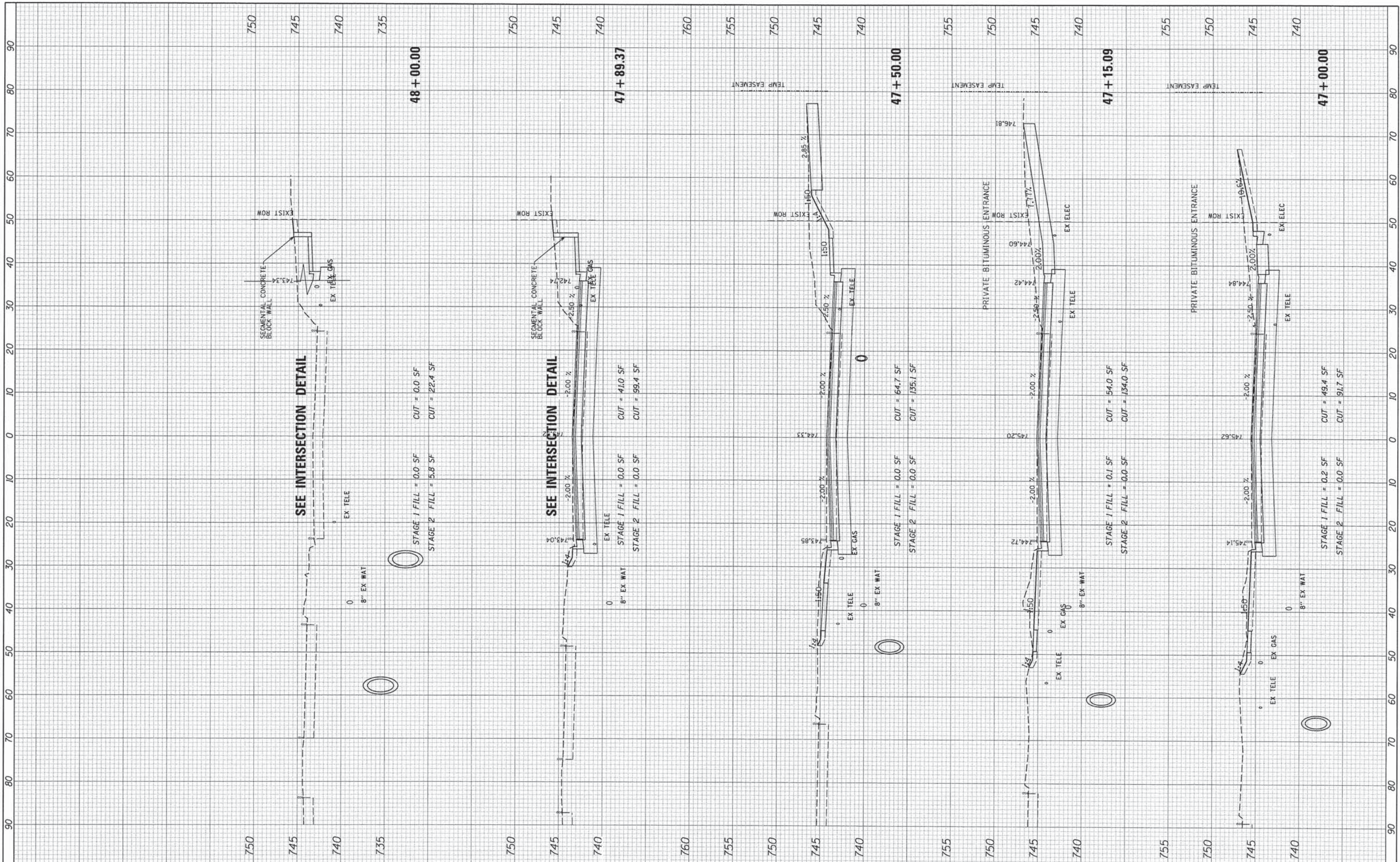
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 630.724.9203 fax  
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USER NAME = #USER#	DESIGNED - JDH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - VJD	REVISED -
	DATE - 03/04/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS    PLAINFIELD ROAD (SOUTH OF 75TH ST)</b>			
SCALE: 1"=10' H 1"=40' V	SHEET NO. OF SHEETS	44+00.00	46+50.00

F.A.P. RTE. 0369	SECTION 12-00233-07-PY	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 280
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63851				



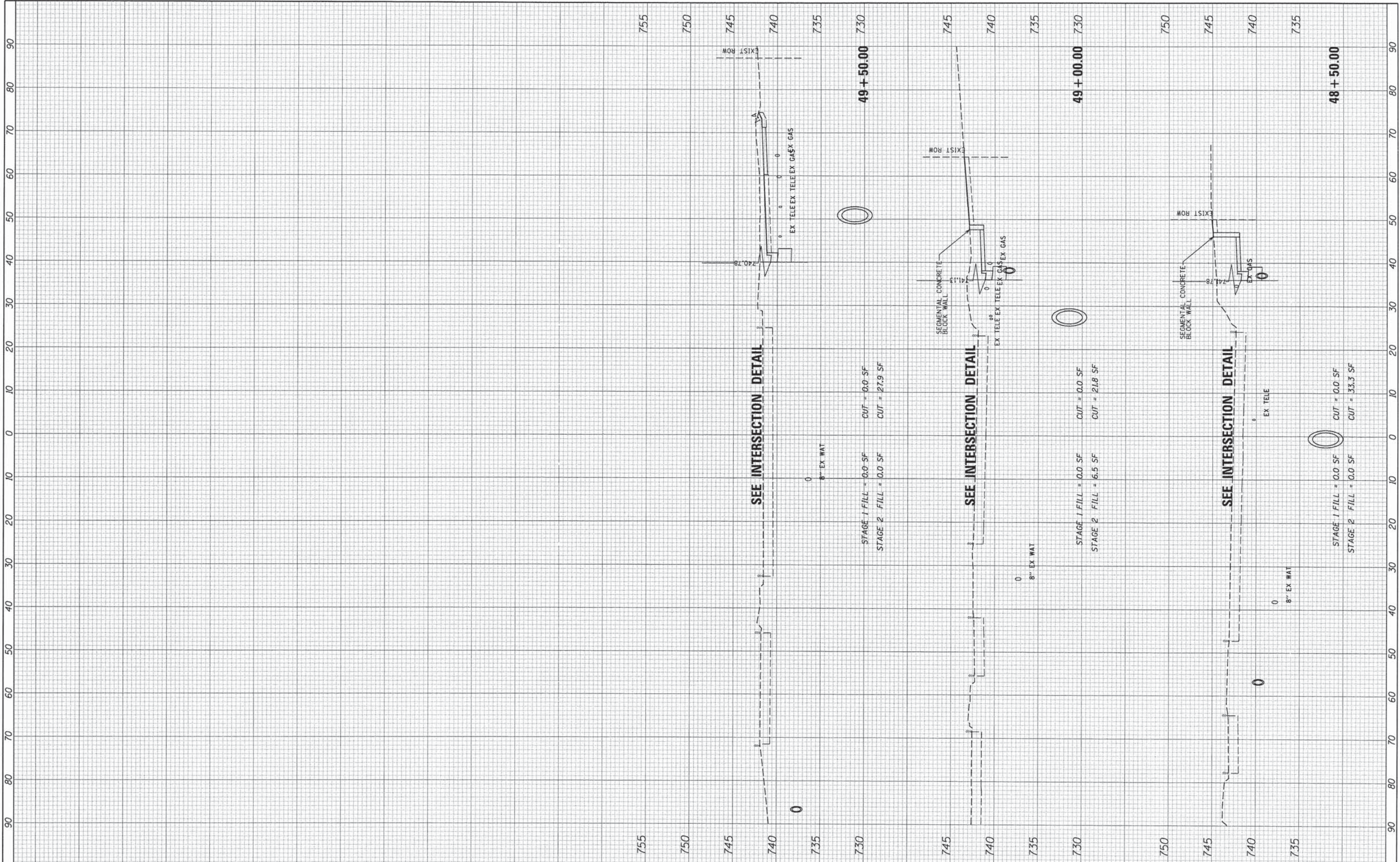
V3 Companies  
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 630.724.9202 fax  
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USER NAME = #USERS	DESIGNED - JQH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - VJD	REVISED -
	DATE - 03/04/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS    PLAINFIELD ROAD (SOUTH OF 75TH ST)</b>	
SCALE: 1"=10' H 1"=50' V	SHEET NO. OF SHEETS 47+00.00 48+00.00

F.A.P. RITE 0369	SECTION 12-00233-07-PY	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 281
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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USER NAME = #USER#	DESIGNED - JDH	REVISED - ...
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ...
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ...
	DATE - 03/04/13	REVISED - ...

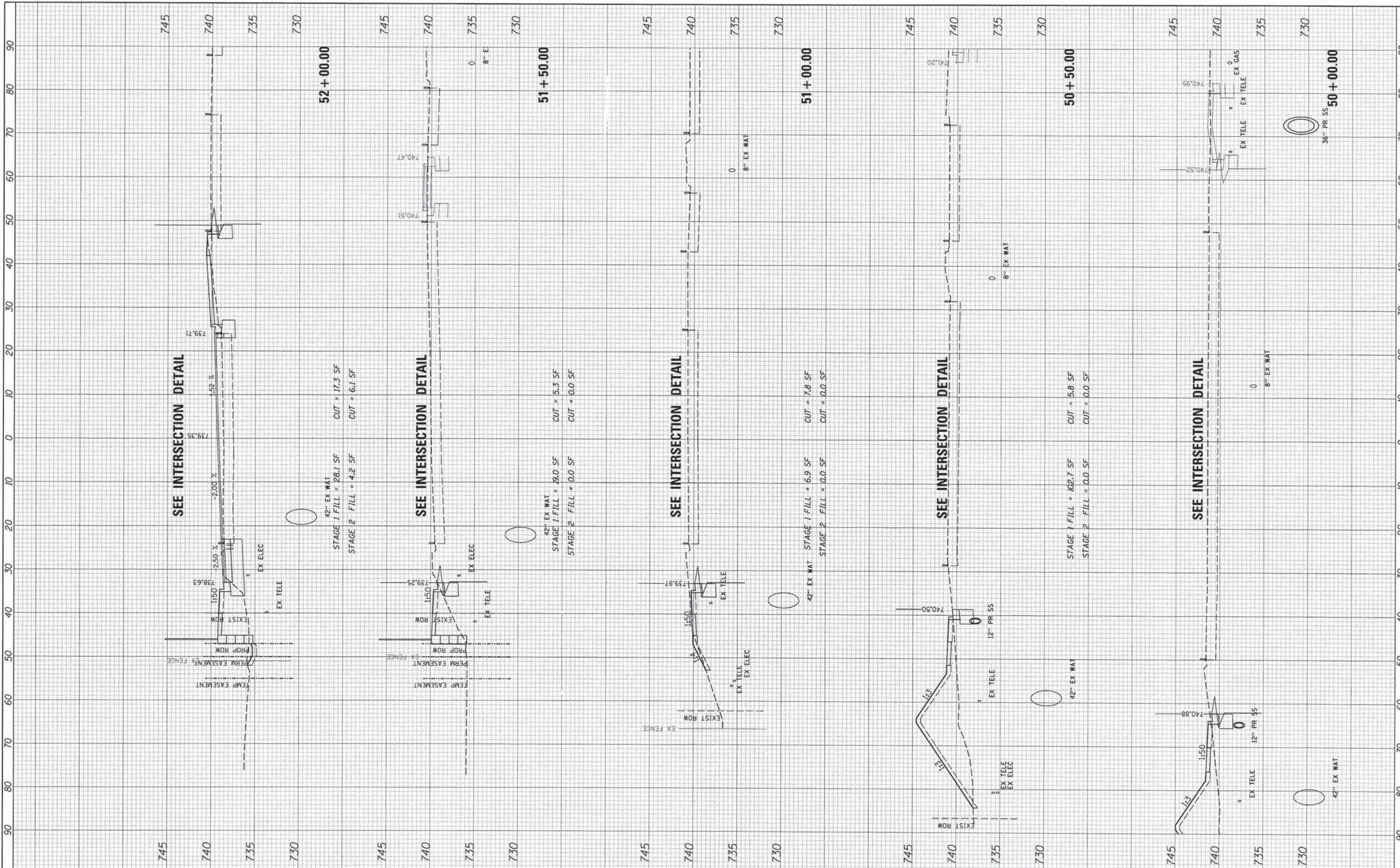
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 PLAINFIELD ROAD (SOUTH OF 75TH ST)**

SCALE: 1"=10' H  
 1"=25' V

SHEET NO. OF SHEETS 48+50.00 50+00.00

F.A.P. RTE. 0369	SECTION 12-00233-07-PY	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 282
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63851				



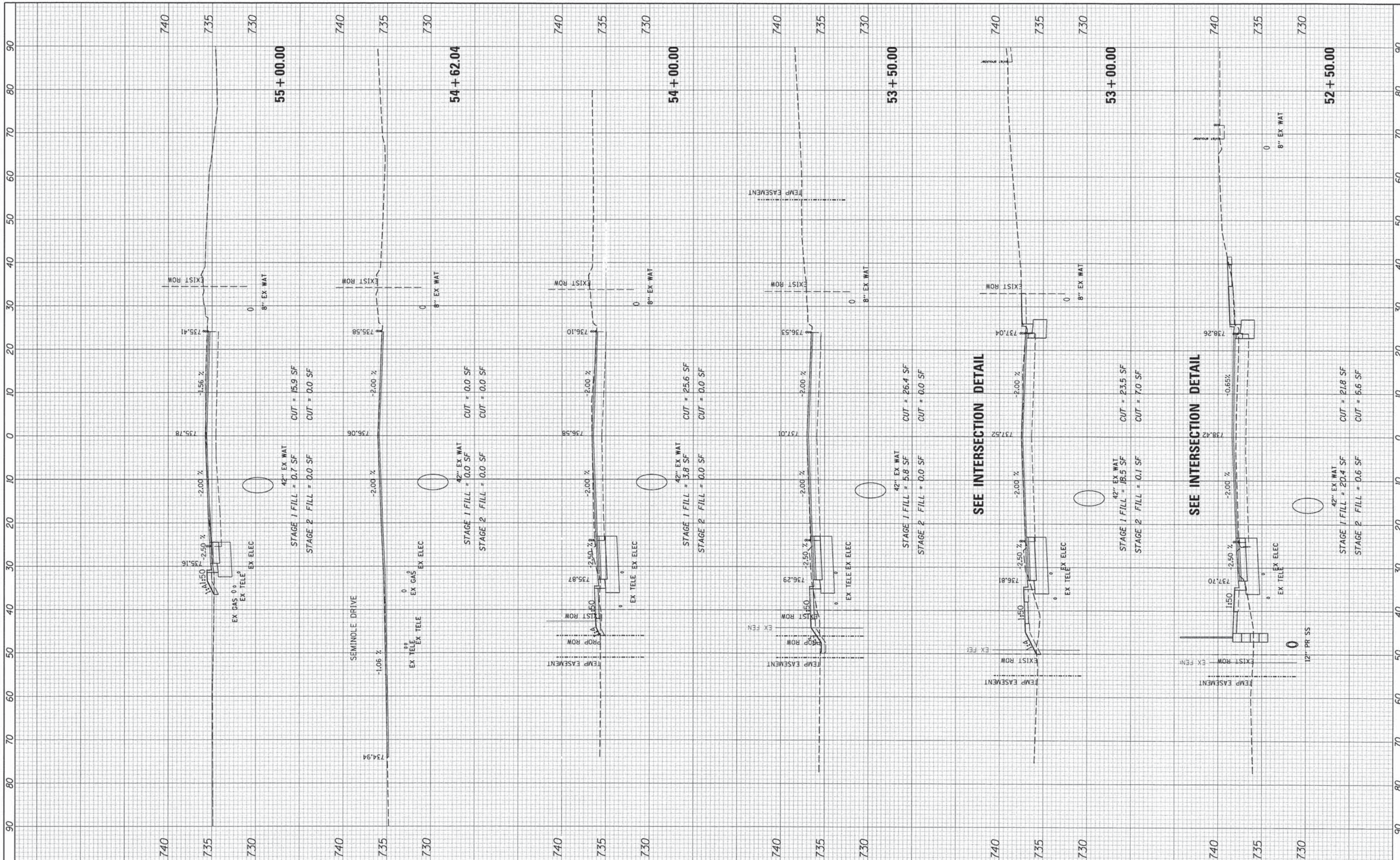
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USER NAME = #USERS	DESIGNED - JQH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - VJD	REVISED -
	DATE - 03/04/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS		PLAINFIELD ROAD (NORTH OF 75TH ST)	
SCALE: 1"=10' H 1"=50' V	SHEET NO.	OF SHEETS	50+00.00 52+00.00

F.A.P. RTE. 0369	SECTION 12-00233-07-PY	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 283
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SEE INTERSECTION DETAIL

SEE INTERSECTION DETAIL

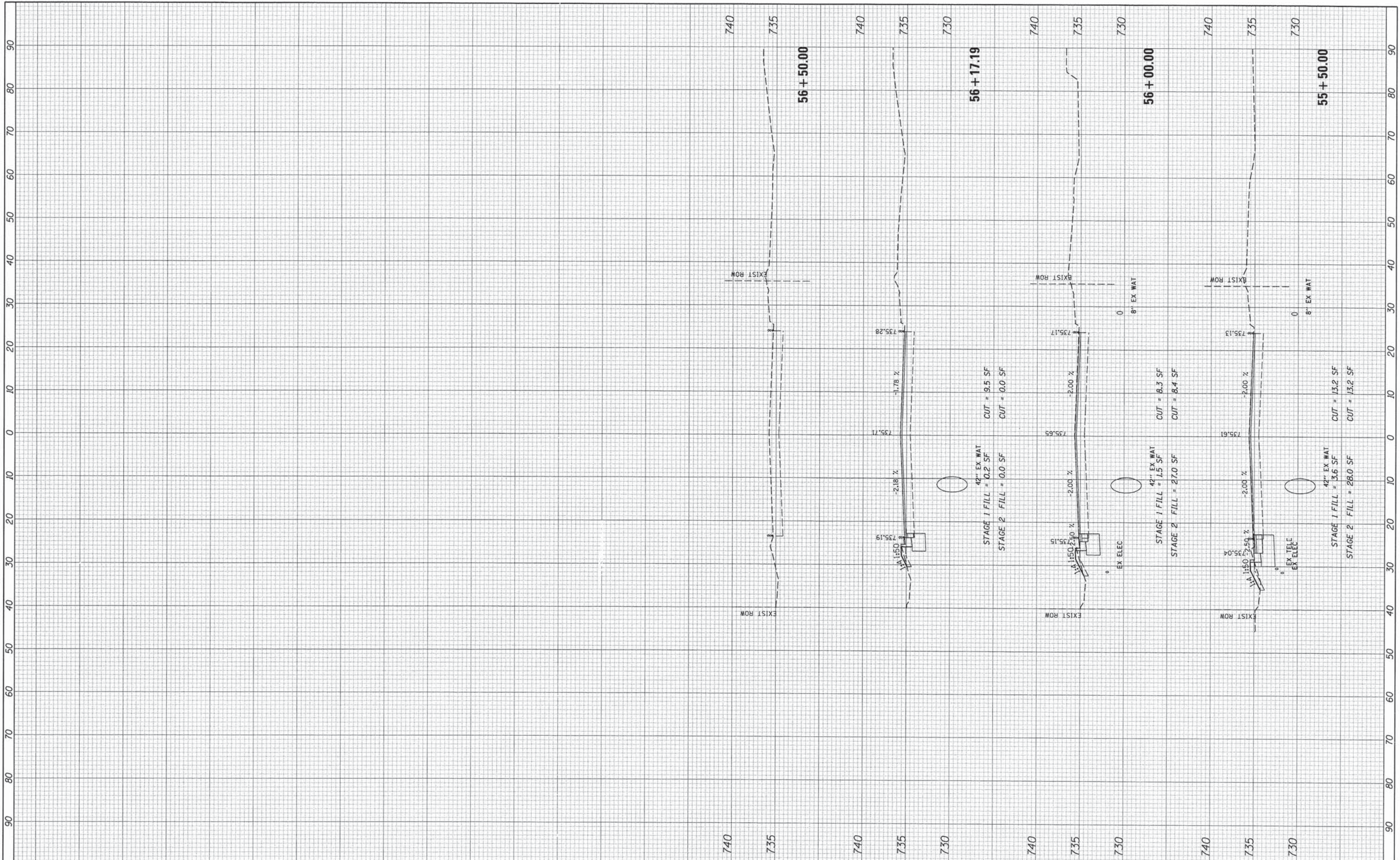
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USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS    PLAINFIELD ROAD (NORTH OF 75TH ST)</b>			
SCALE: 1"=10' H 1"=50' V	SHEET NO. OF SHEETS	52+50.00	55+00.00

F.A.P. RTE. 0369	SECTION 12-00233-07-PY	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 284
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63851				



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USER NAME = #USER#  
DESIGNED - JDH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13  
PLOT SCALE = #SCALE#  
PLOT DATE = #DATE#  
REVISOR - ...  
REVISOR - ...  
REVISOR - ...  
REVISOR - ...

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
PLAINFIELD ROAD (NORTH OF 75TH ST)  
SCALE: 1"=10' H  
1"=50' V  
SHEET NO. OF SHEETS 55+50.00 56+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PY	DU PAGE	285	285
CONTRACT NO. 63851				

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