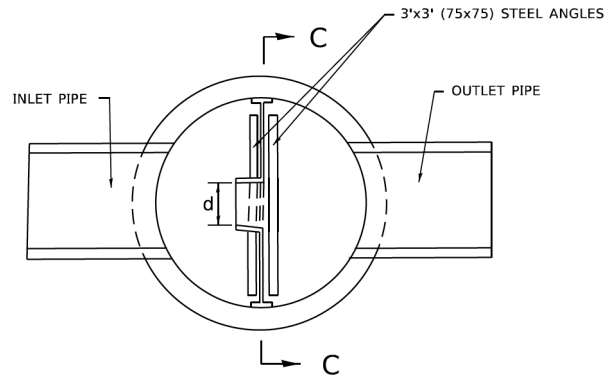
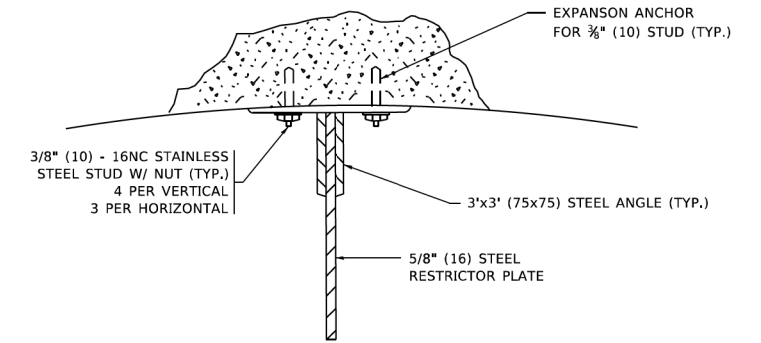


**PLAN**



**SECTION B-B**



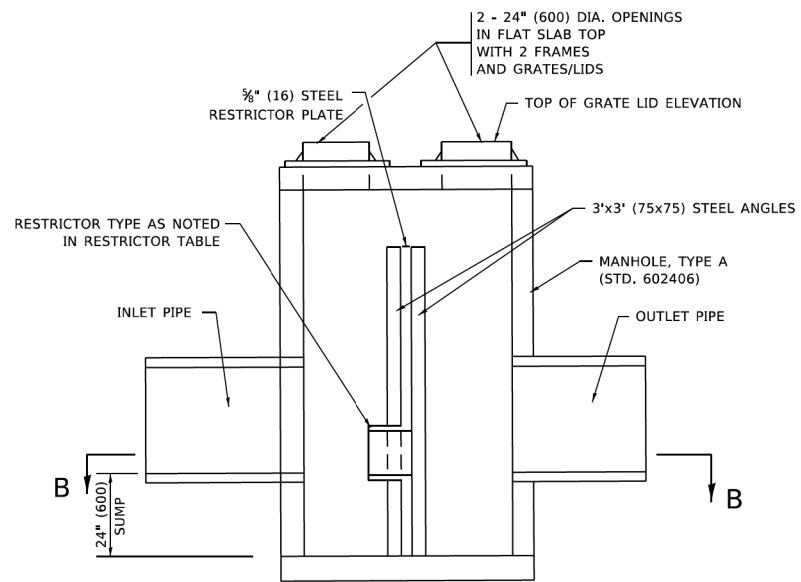
**ANGLE FASTENER DETAIL**

**NOTES:**

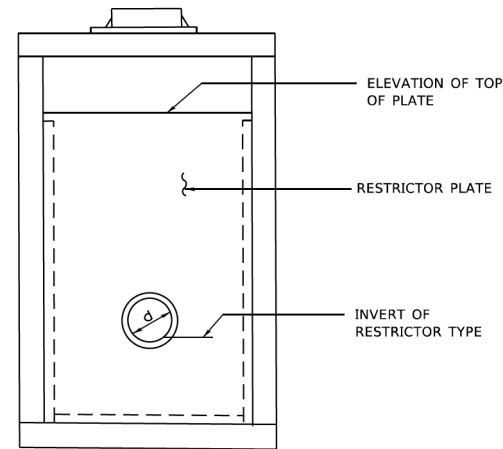
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.

**BASIS OF PAYMENT:**

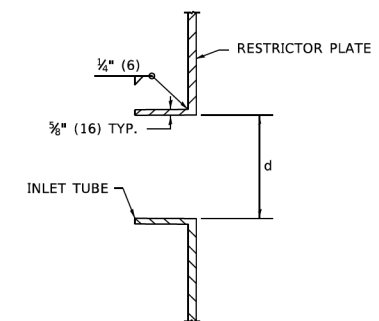
1. TO BE PAID FOR AS "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.



**SECTION A-A**

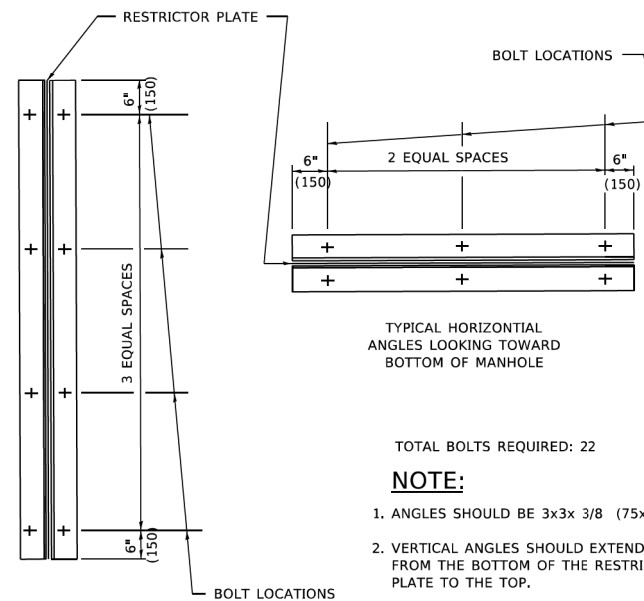


**SECTION C-C**



**INLET TUBE DETAIL**

STATION AND OFFSET	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
147+56.71 36.89RT	6.0	T1 CL	2	13"	743.02	746.40
154+26.53 55.31RT	6.0	T1 CL	2	19"	740.12	745.75



**STEEL ANGLE BOLTING DETAILS**

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

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USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 01-08-01
PLOT DATE = 11/18/2022	DATE - 09-09-94	REVISED - K. SMITH 11-18-22

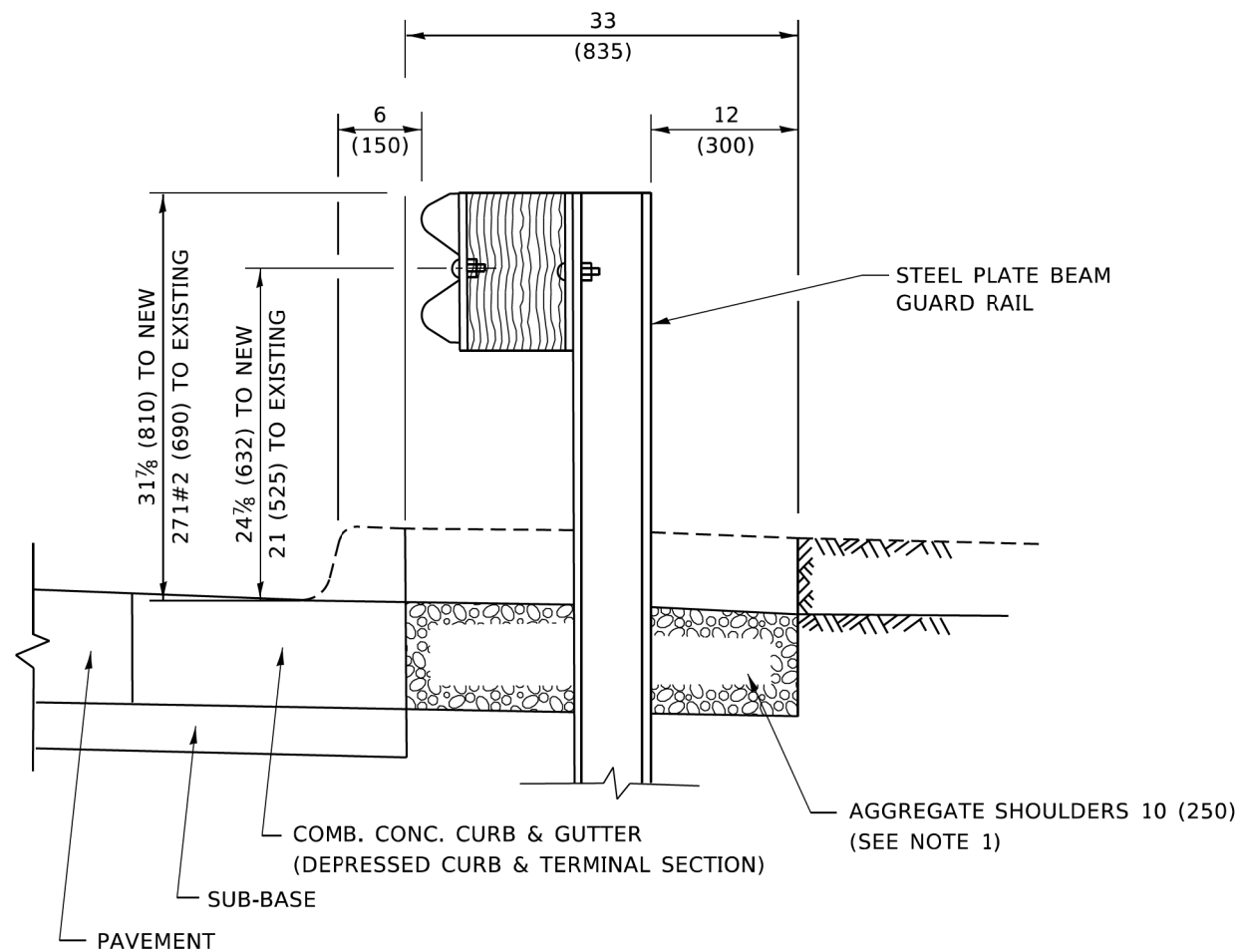
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH  
RESTRICTOR PLATE

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 0347	SECTION	COUNTY KANE	TOTAL SHEETS 488	SHEET NO. 401
BD600-04 (BD-12)		CONTRACT NO. 61J84		ILLINOIS FED. AID PROJECT



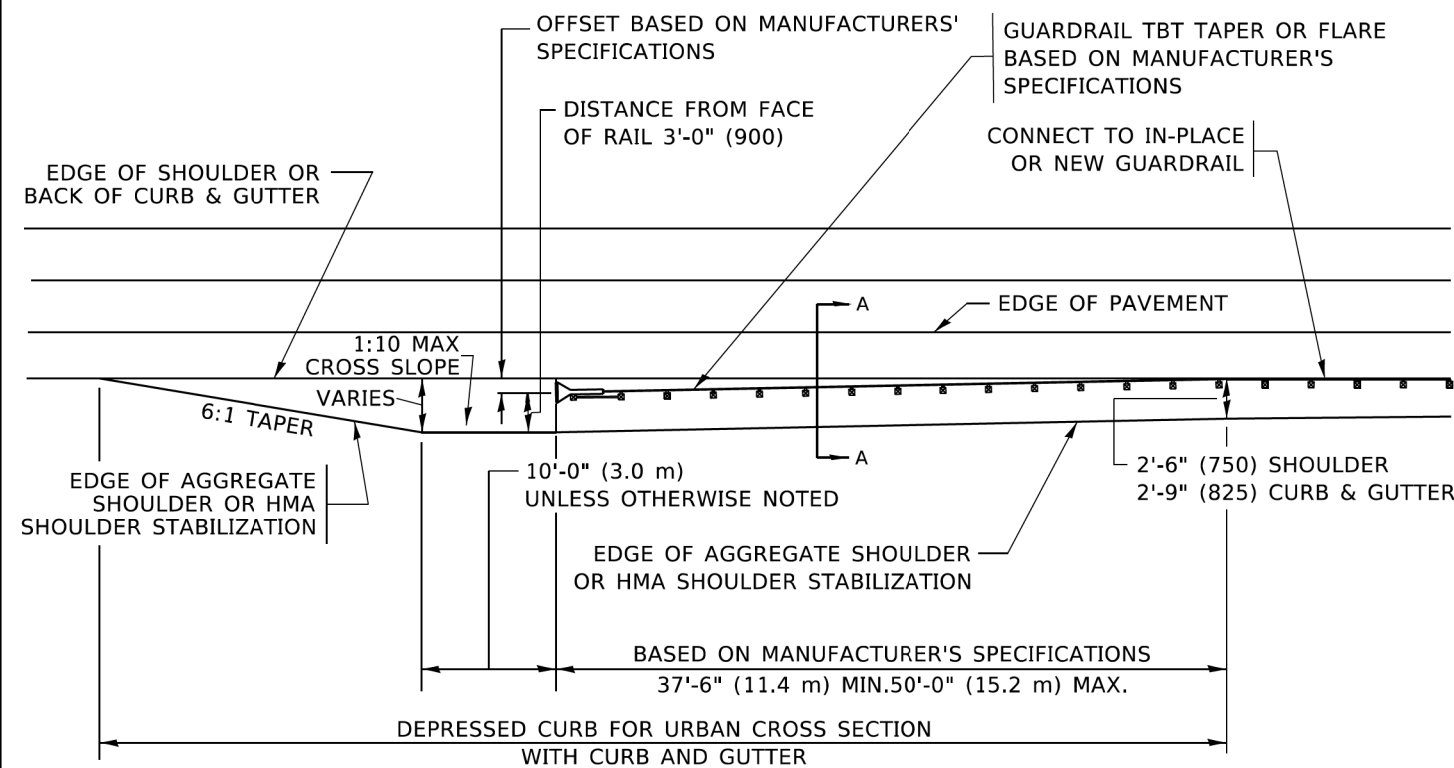


**SECTION A-A**

**NOTES:**

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE EXISTING GUARDRAIL HEIGHT SHALL TRANSITION TO MATCH THE NEW TERMINAL END SECTION AND SHALL BE PAID FOR AS VERTICAL ADJUSTMENT OF EXISTING GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM  
GUARD RAIL ADJACENT TO CURB AND GUTTER  
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

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USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - R. BORO 09-14-2009
	DRAWN -	REVISED - R. BORO 08-06-2012
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 05-08-2015
PLOT DATE = 11/18/2022	DATE - 09-22-90	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

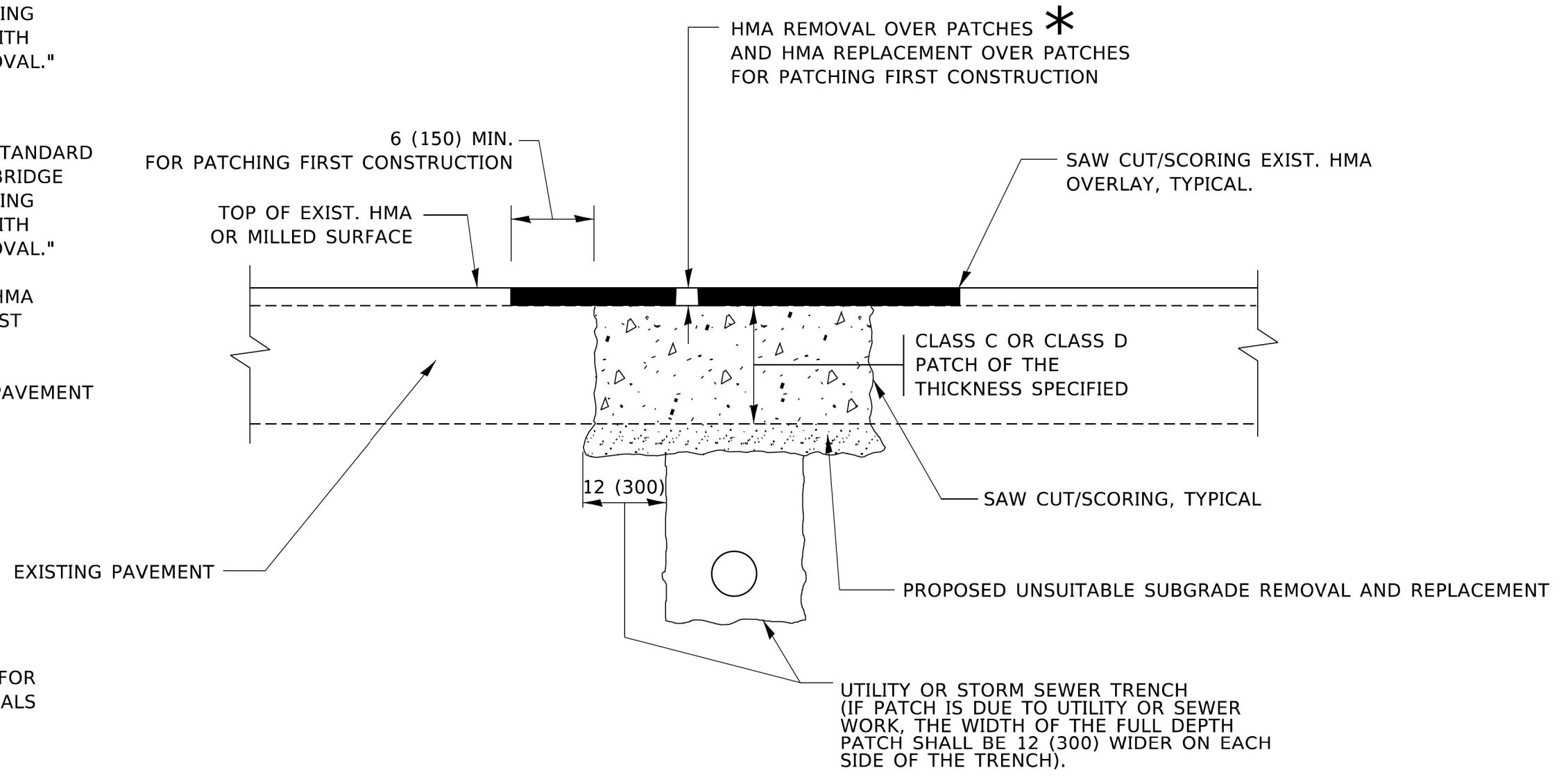
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	402A
BD600-10 (BD-34)		CONTRACT NO. 61J84		
ILLINOIS FED. AID PROJECT				

**METHOD OF MEASUREMENT**

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

**BASIS OF PAYMENT**

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

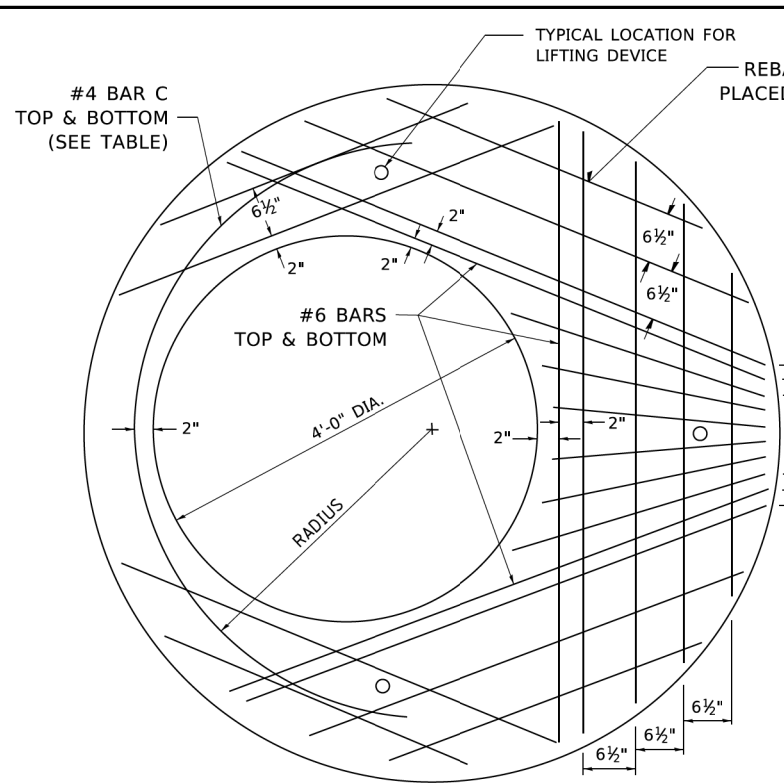
1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: Default  
FILE: \\pavilid@pcw.bentley.com\PI\PIDOT\Documents\DOT\_Offices\District 1\Projects\Dist1\2213\CAD\Drawn\CAD\Sheets\B22.dgn

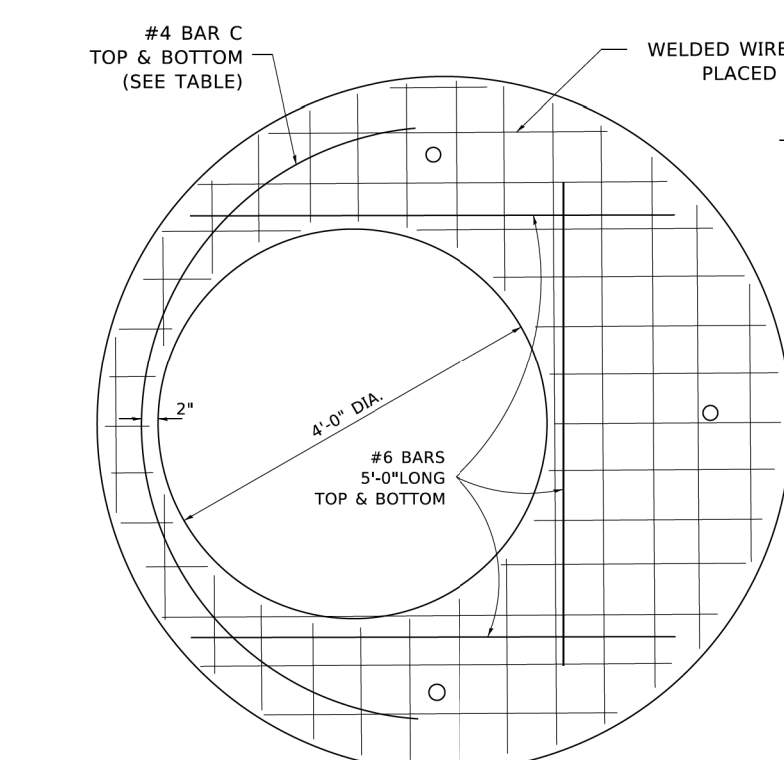
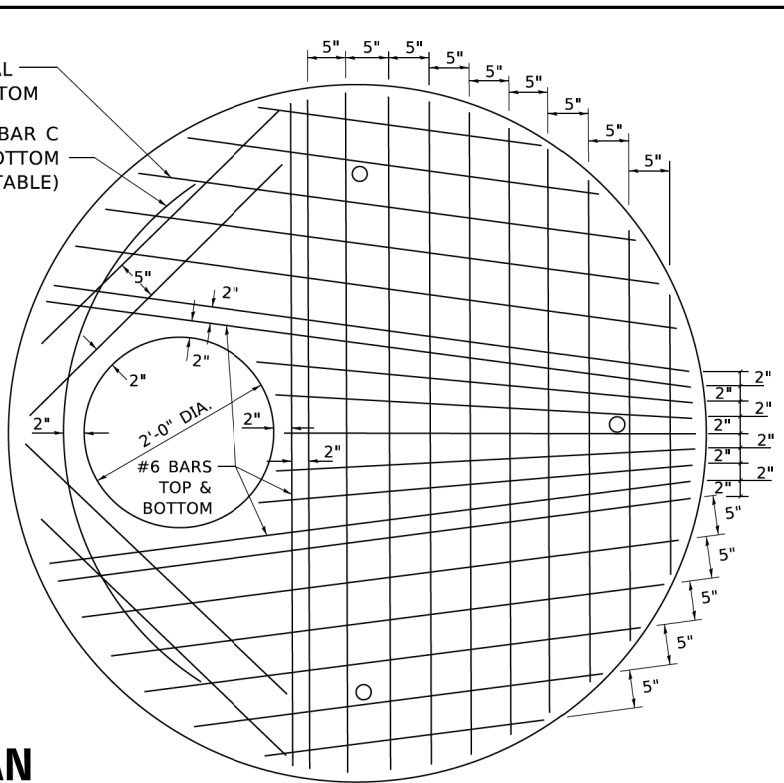
USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED - R. BORO 09-04-07	0347				05-00102-00-PV	KANE	488	403	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. ENG 10-27-08		SCALE: NONE		SHEET 1	OF 1	SHEETS	STA.	TO STA.
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		<b>BD400-04 (BD-22)</b>		CONTRACT NO. <b>61J84</b>		ILLINOIS FED. AID PROJECT		





**PLAN**

SHOWING REBAR REINFORCEMENT

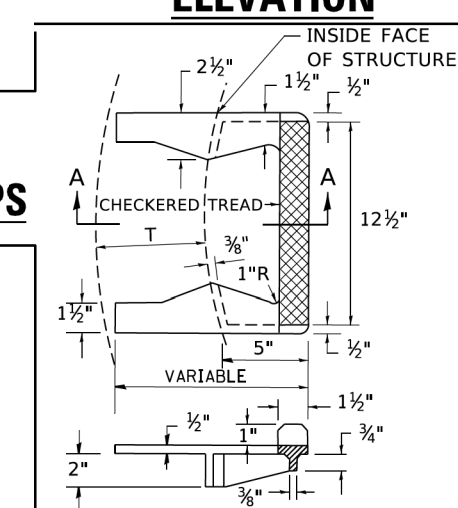


**PLAN**

SHOWING WELDED WIRE FABRIC REINFORCEMENT

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

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



**ELEVATION**

**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.

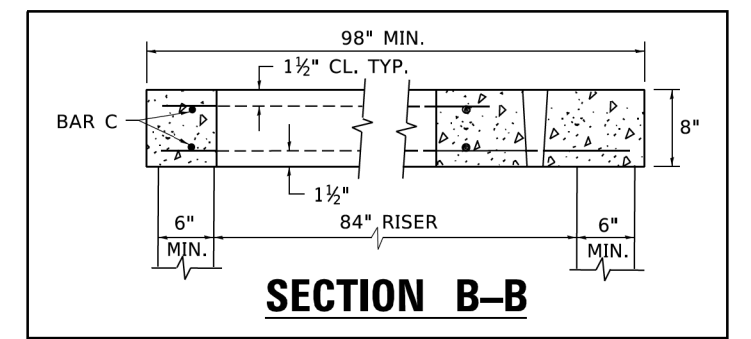
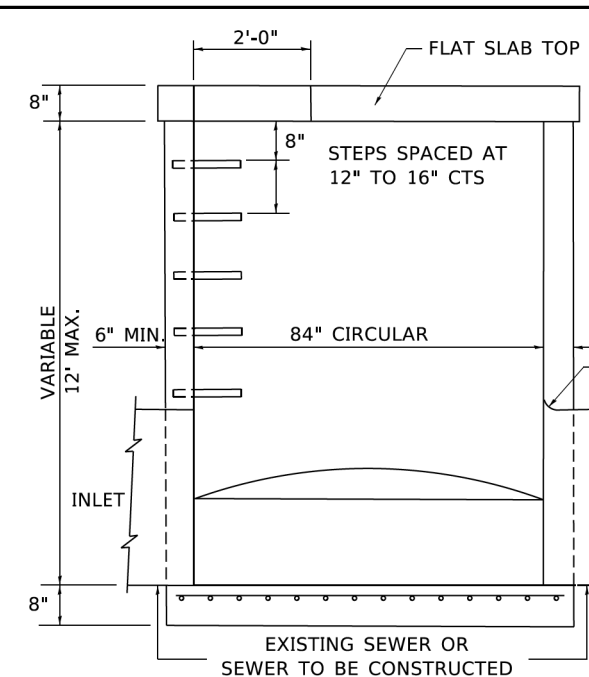
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING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

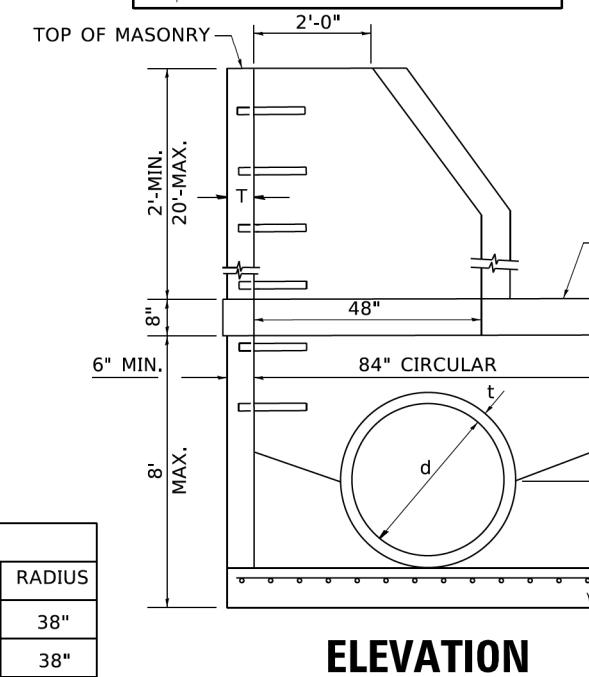


**SECTION B-B**

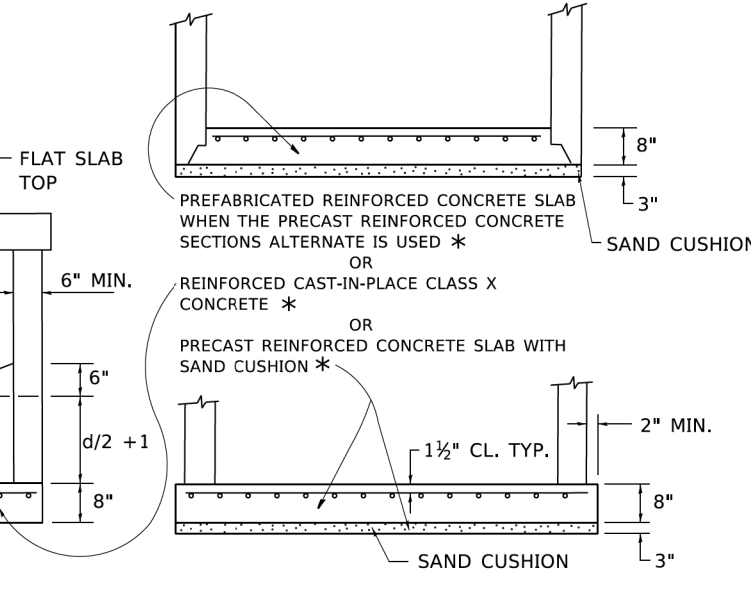
ALTERNATE MATERIALS FOR RISERS	T (MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"

**TABLE**

DIAMETER OF OPENING	REINFORCEMENT "A <sub>5</sub> " WWF OR BAR SIZE EACH DIRECTION	OR BAR SIZE	BAR C		
			SIZE	LENGTH	RADIUS
2'-0"	1.06 SQ.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SQ.IN./LIN.FT.	#6	#4	9'-0"	38"



**ELEVATION**



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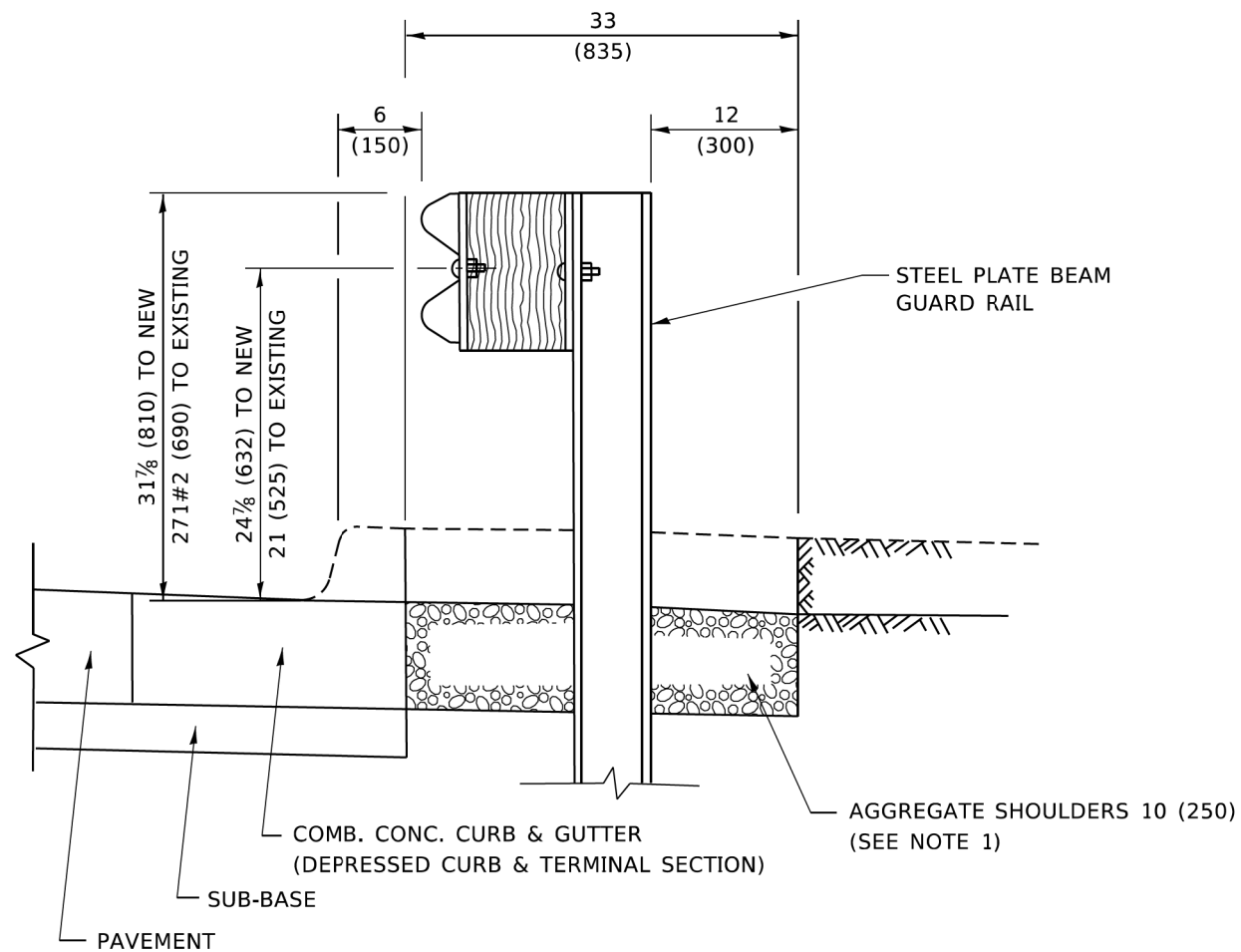
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PLOT DATE = 3/27/2019	DATE - 10-18-02	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MANHOLE TYPE A  
7 FOOT DIAMETER**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 0347	SECTION 05-00102-00-PV	COUNTY KANE	TOTAL SHEETS 488	SHEET NO. 405
BD600-11 (BD-37)		CONTRACT NO. 61J84		
ILLINOIS FED. AID PROJECT				

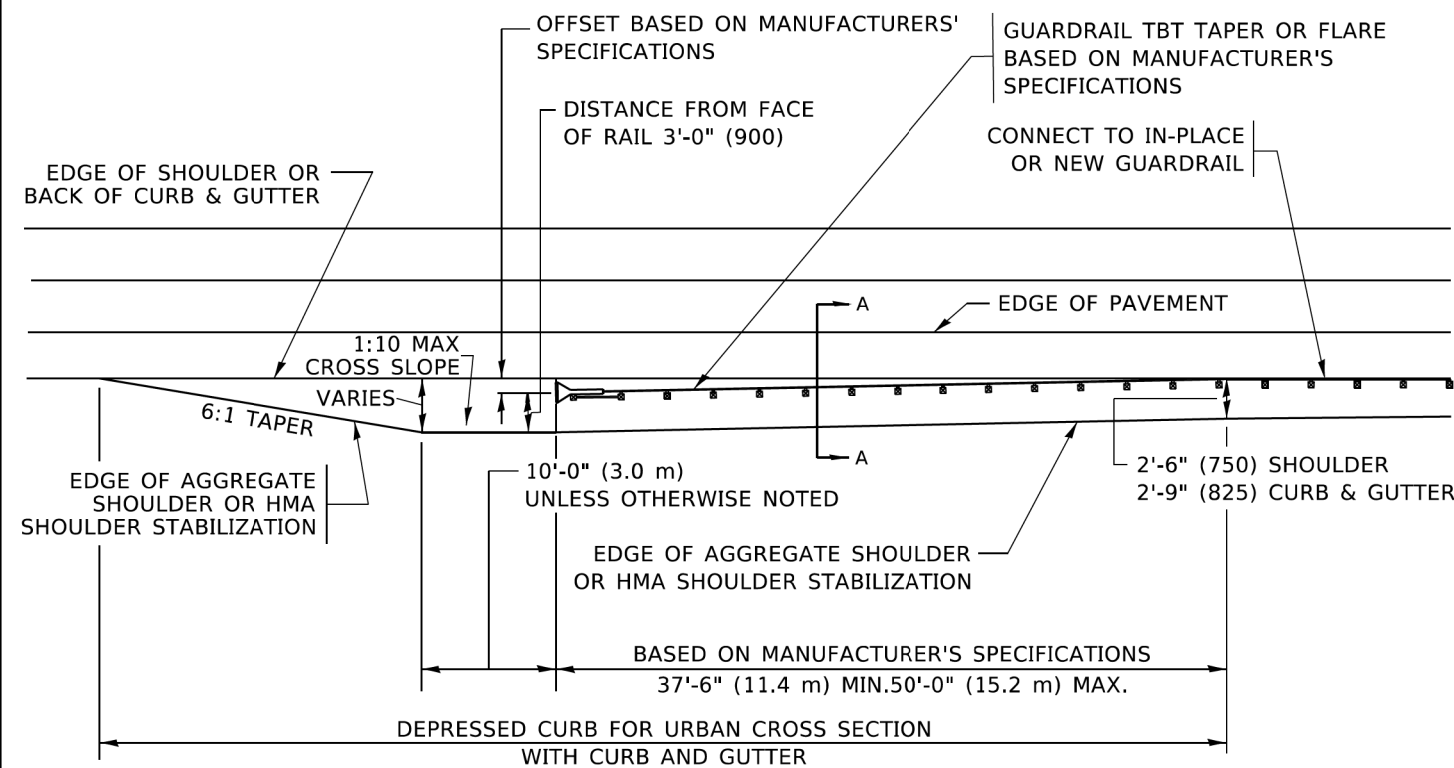


**SECTION A-A**

**NOTES:**

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE EXISTING GUARDRAIL HEIGHT SHALL TRANSITION TO MATCH THE NEW TERMINAL END SECTION AND SHALL BE PAID FOR AS VERTICAL ADJUSTMENT OF EXISTING GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM  
GUARD RAIL ADJACENT TO CURB AND GUTTER  
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN.

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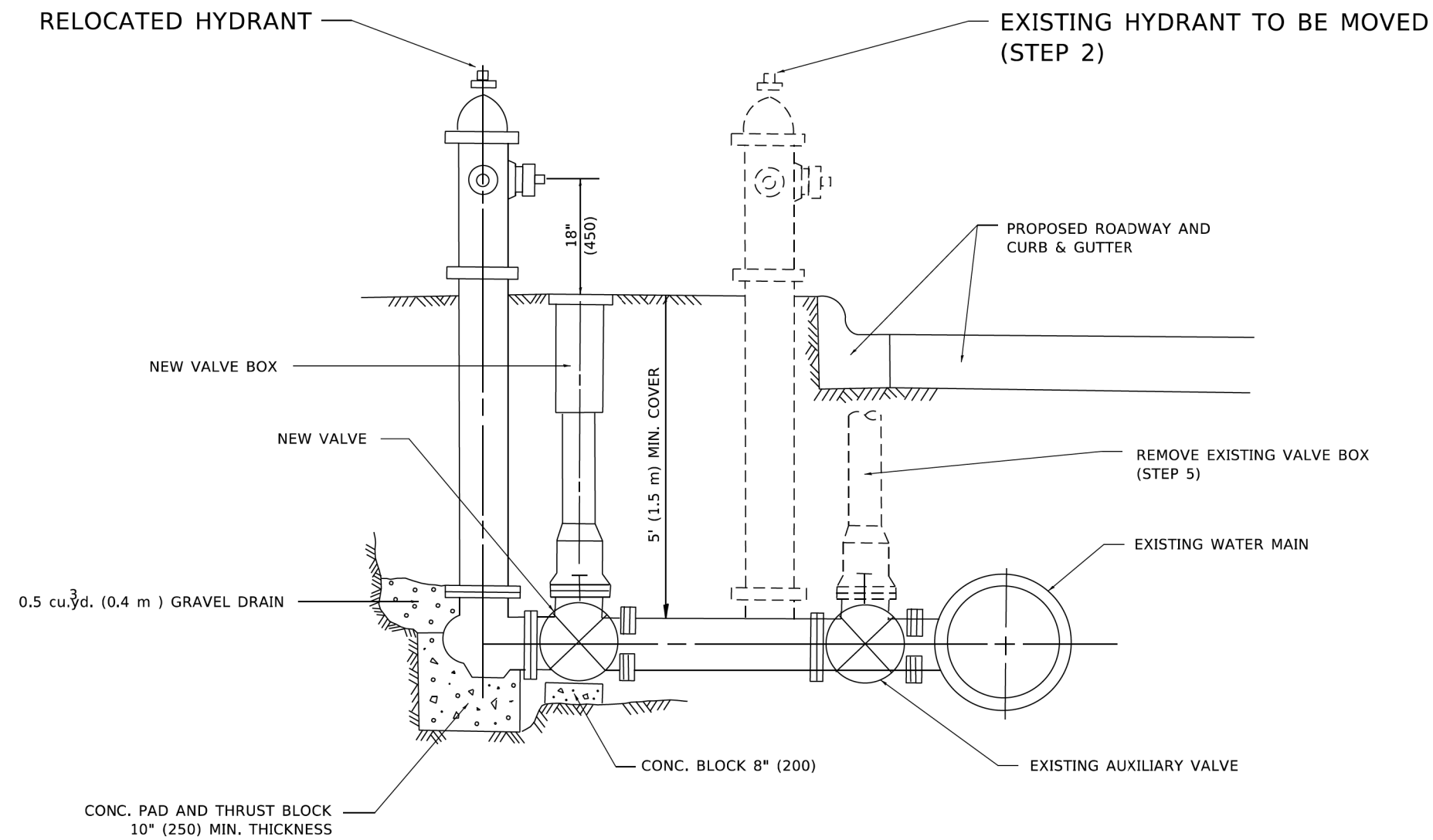
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	DRAWN -	REVISED - R. BORO 08-06-2012
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 05-08-2015
PLOT DATE = 11/18/2022	DATE - 09-22-90	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	405A
BD600-10 (BD-34)		CONTRACT NO. 61J84		
ILLINOIS FED. AID PROJECT				



**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.

**NOTE:**

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

# FIRE HYDRANT TO BE MOVED

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

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	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 11/18/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

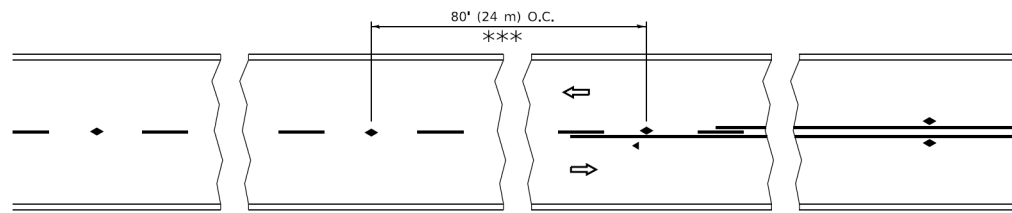
**FIRE HYDRANT TO BE MOVED**

SCALE: NONE    SHEET 1 OF 1 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	405B
<b>BD-36</b>		CONTRACT NO. <b>61J84</b>		
ILLINOIS FED. AID PROJECT				

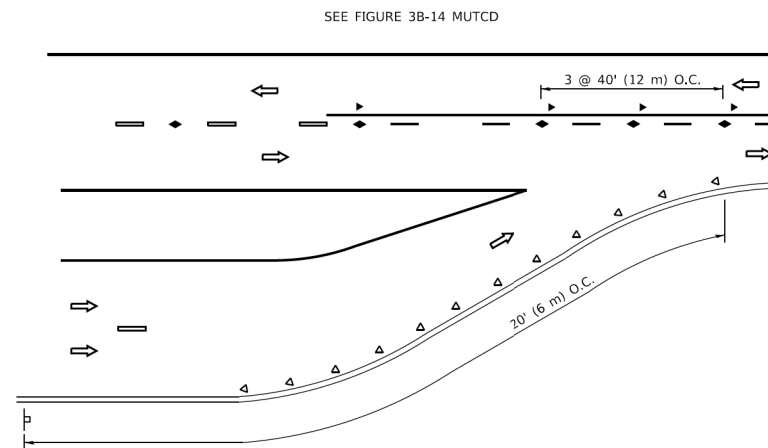




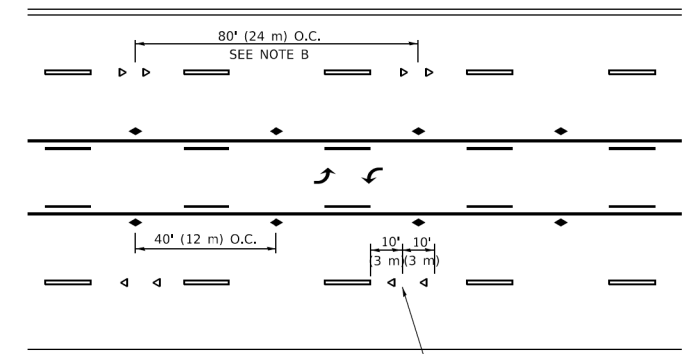


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

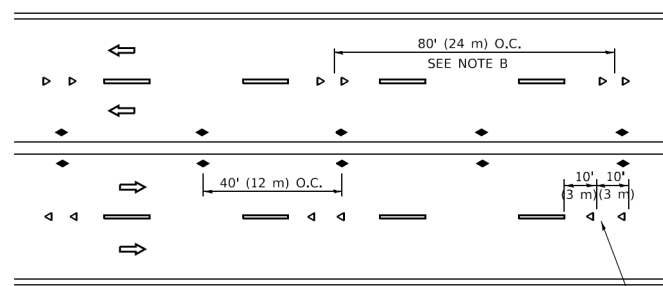
**TWO-LANE/TWO-WAY**



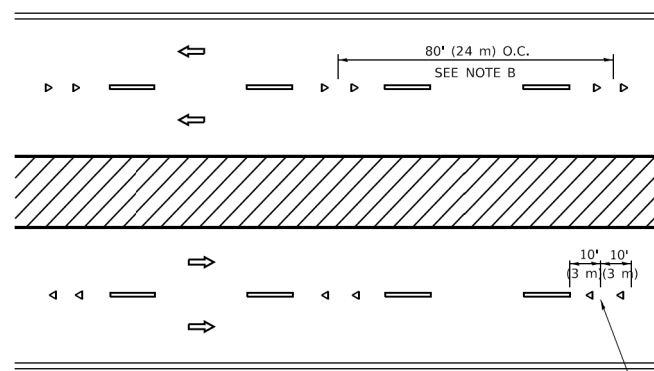
**LANE REDUCTION TRANSITION**



**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.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

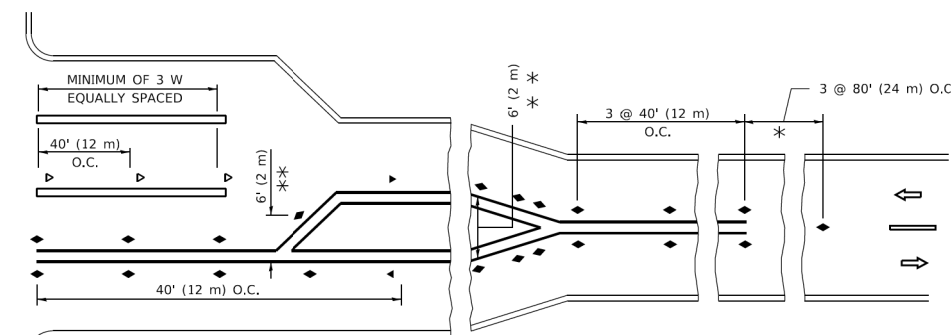
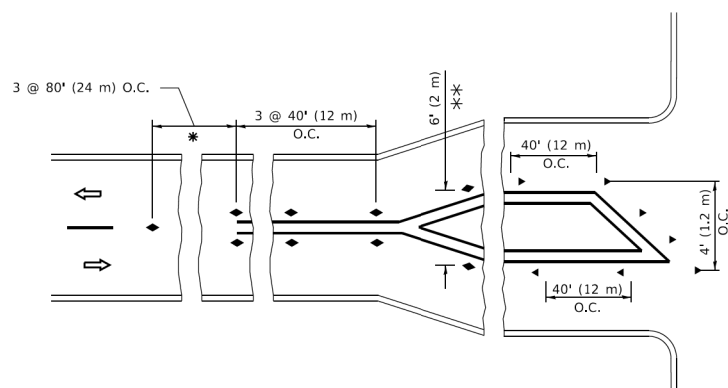
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**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.



**TURN LANES**

\* 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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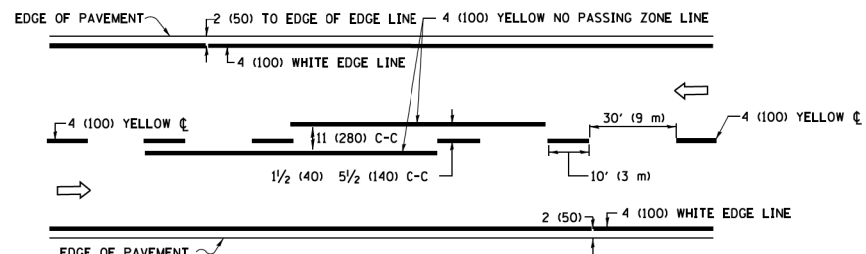
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PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

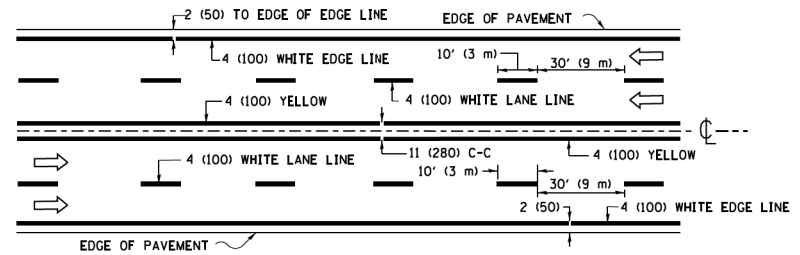
**TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

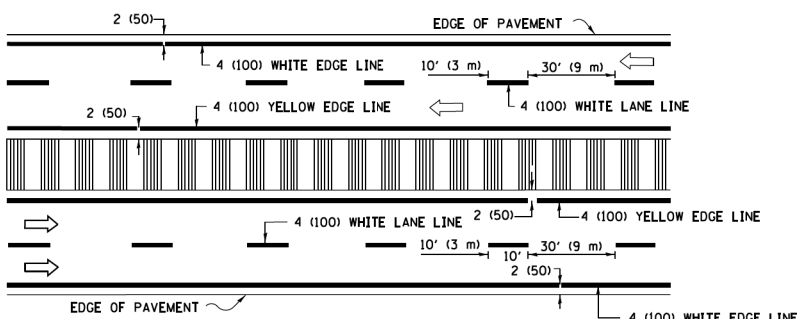
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	407
TC-11		CONTRACT NO. 61J84		
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

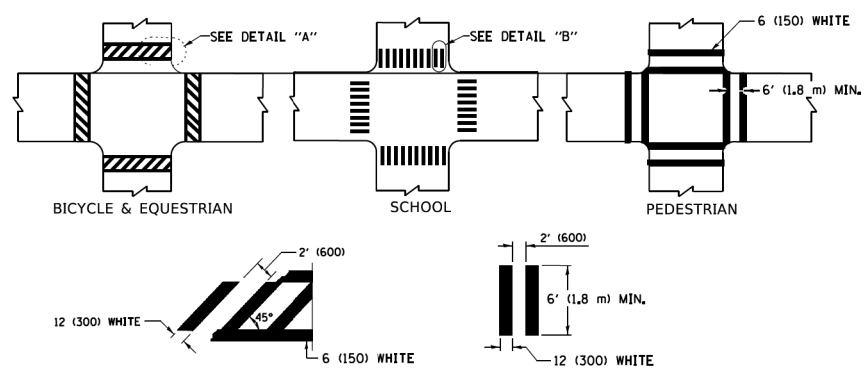


**MULTI-LANE UNDIVIDED**



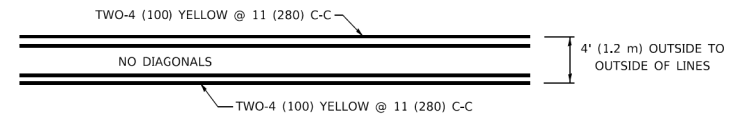
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

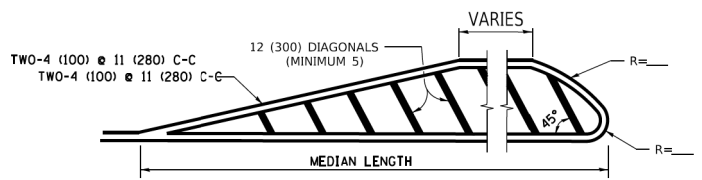


**TYPICAL CROSSWALK MARKING**

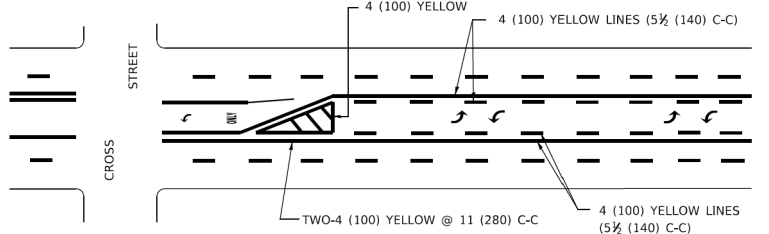
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



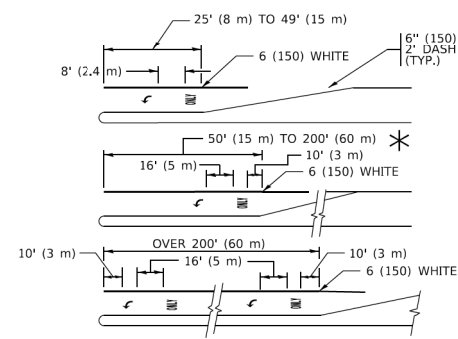
**4' (1.2 m) WIDE MEDIANS ONLY**



**MEDIANS OVER 4' (1.2 m) WIDE**



**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

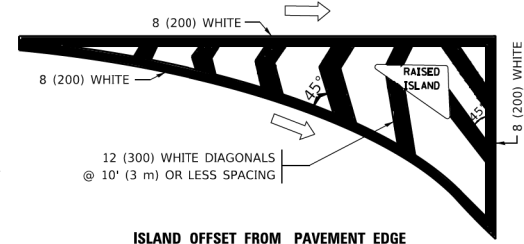


**TYPICAL LEFT (OR RIGHT) TURN LANE**

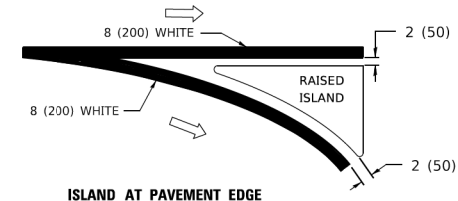
**TYPICAL TURN LANE MARKING**

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".

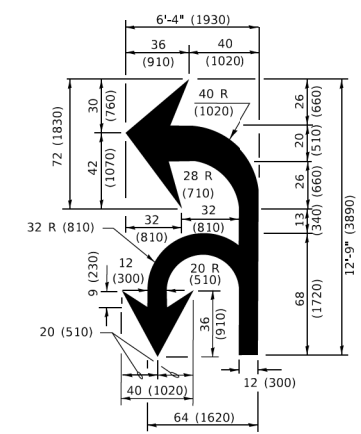


**ISLAND OFFSET FROM PAVEMENT EDGE**

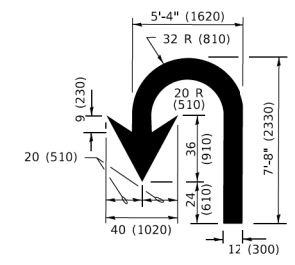


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**  
\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 MEDIANS IN YELLOW
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) 2' (600) @ 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" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH *X*=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

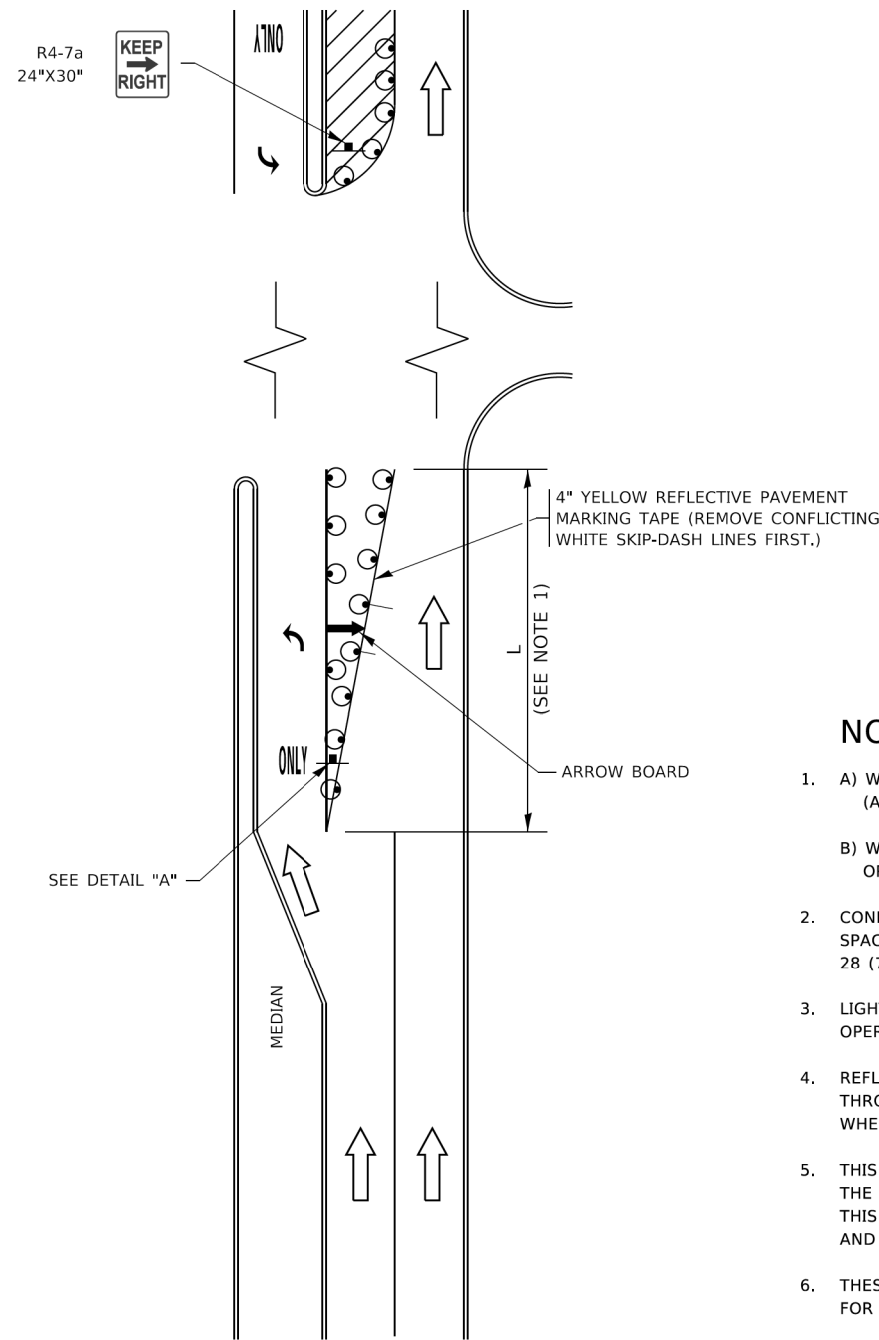
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USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
DRAWN -	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.0000" / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	REVISED - C. JUCIUS 04-12-16	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

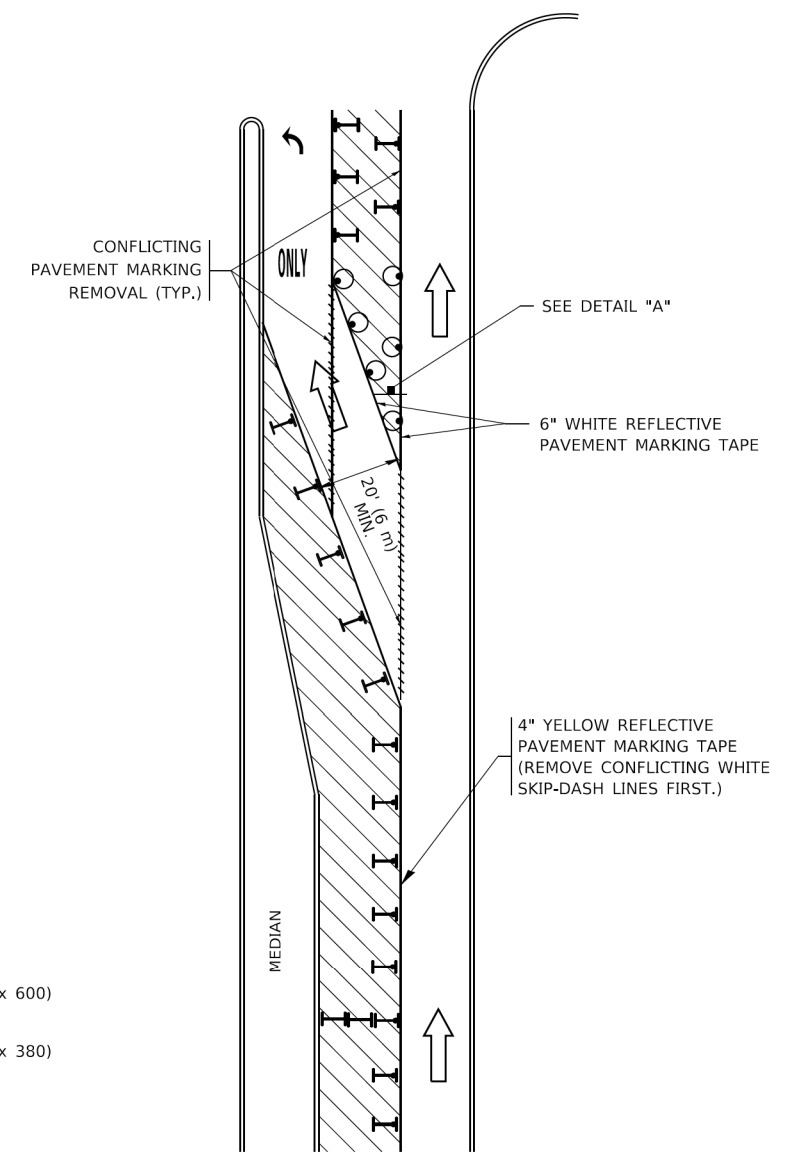
<b>DISTRICT ONE</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TYPICAL PAVEMENT MARKINGS</b>		0347	05-00102-00-PV	KANE	488	408
SCALE: NONE		<b>TC-13</b>		CONTRACT NO. 61J84		
SHEET 1 OF 2 SHEETS		ILLINOIS		FED. AID PROJECT		

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



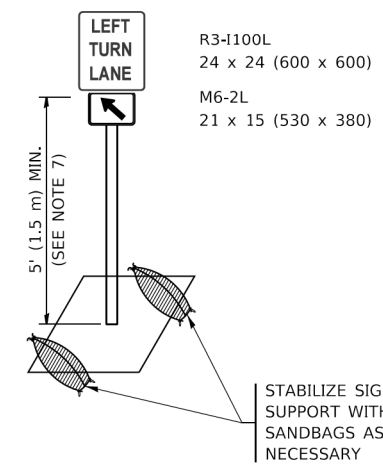
**FIGURE 2**

## LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

## NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. 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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. 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" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

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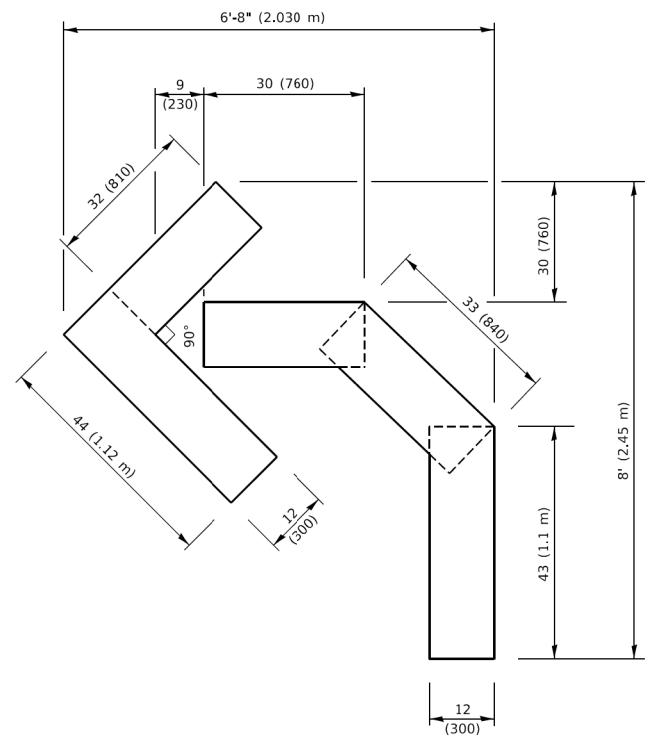
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

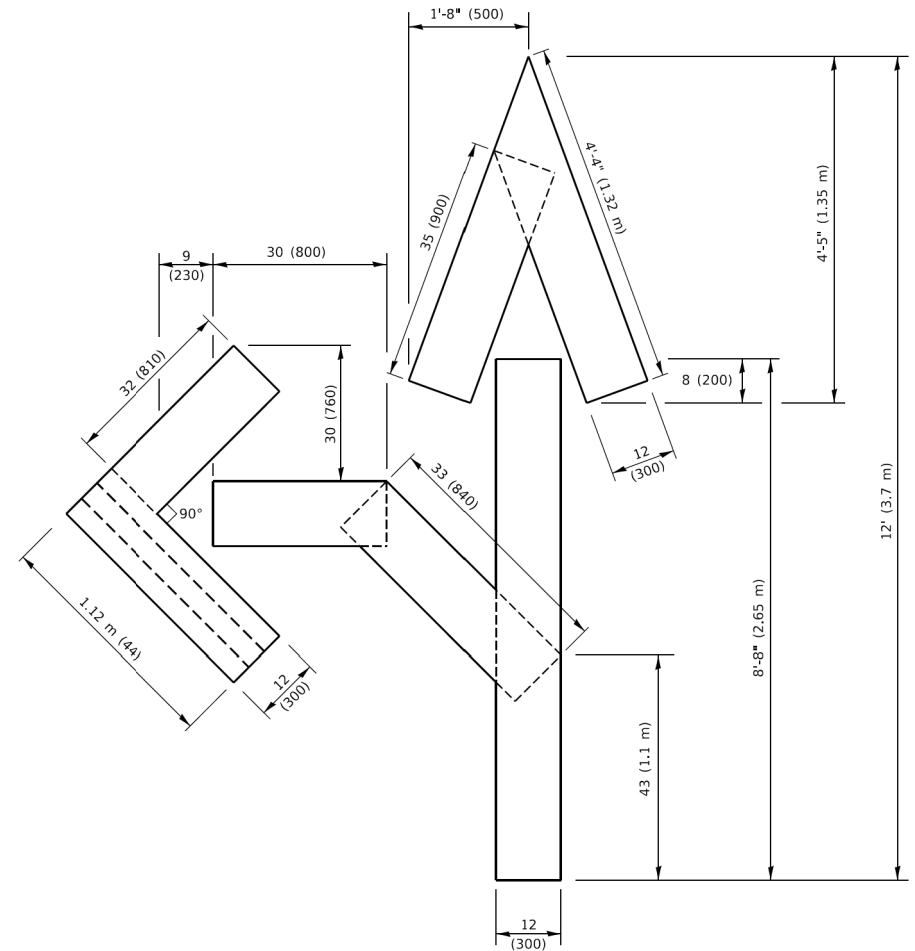
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

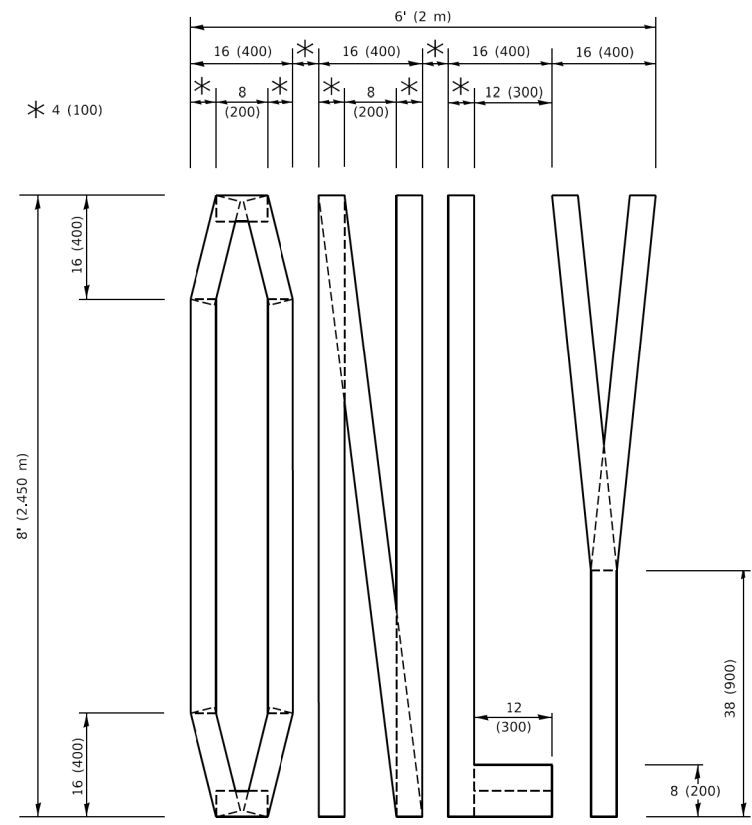
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	409
TC-14		CONTRACT NO. 61J84		
ILLINOIS FED. AID PROJECT				



**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)

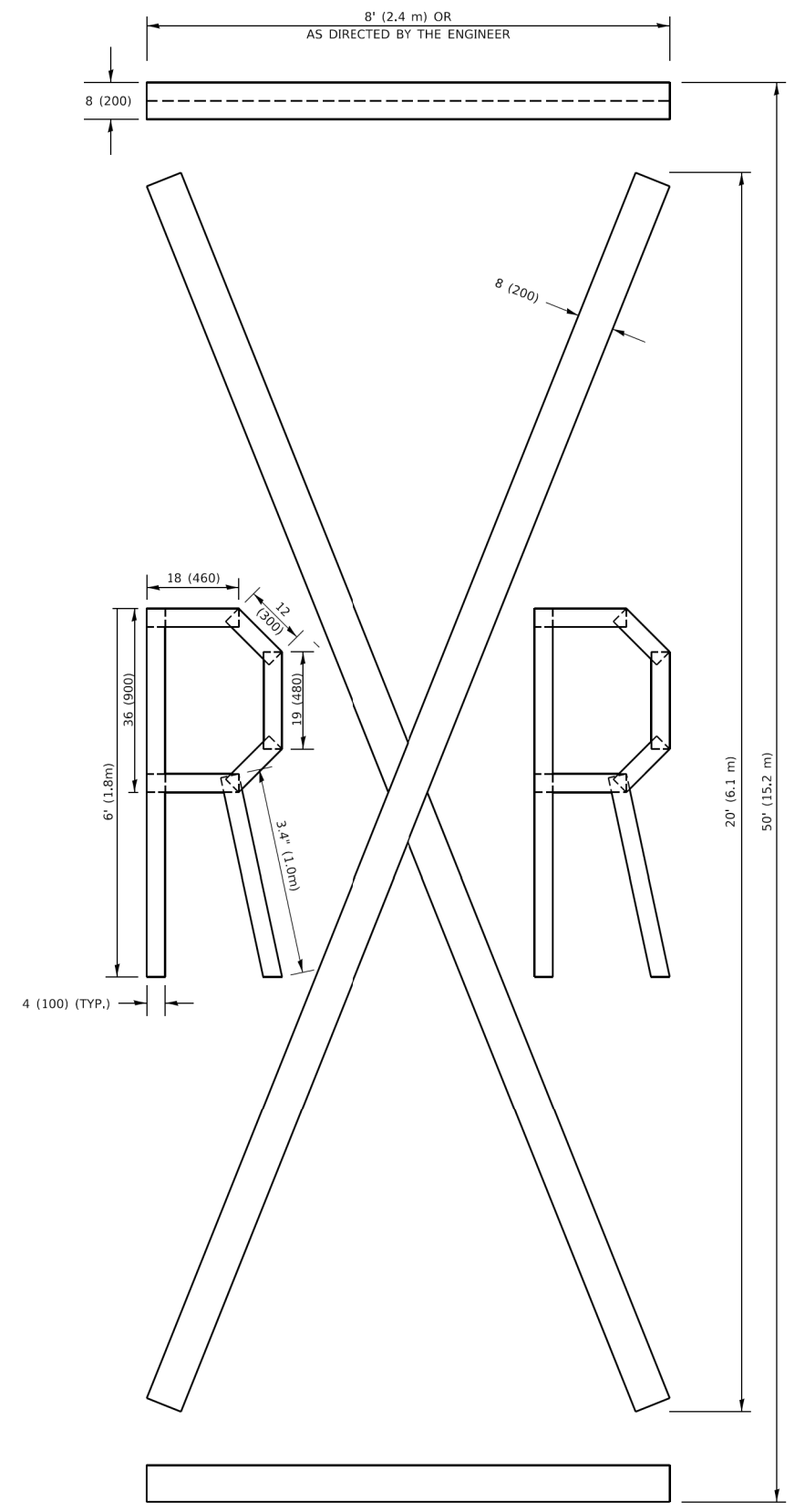


**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)



**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)

**NOTE:**  
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**  
 4 (100) LINE = 225.9 ft. (68.9 m)  
 75.3 sq. ft. (6.99 sq. m)

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

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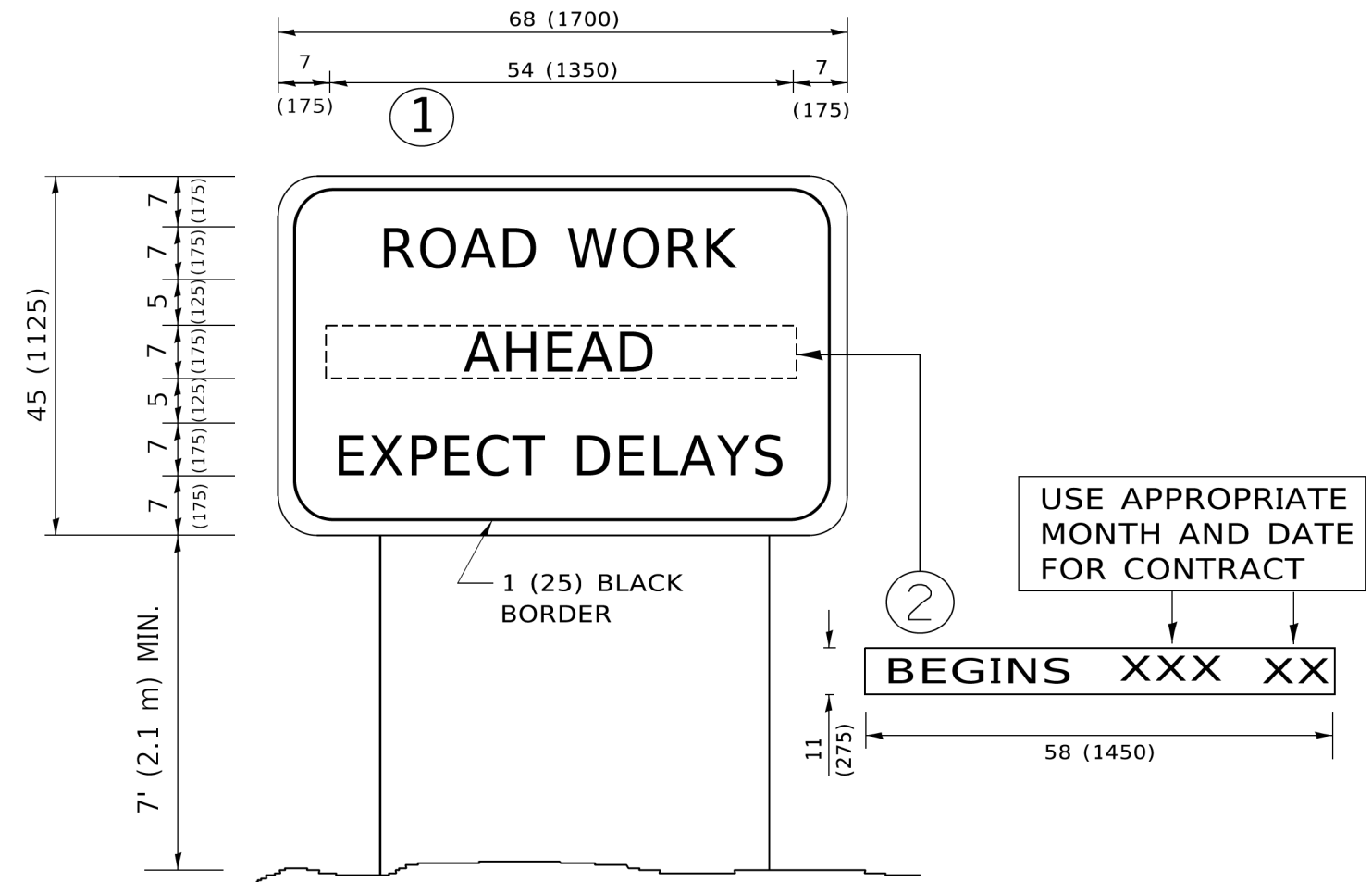
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	410
<b>TC-16</b>		CONTRACT NO. <b>61J84</b>		
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.

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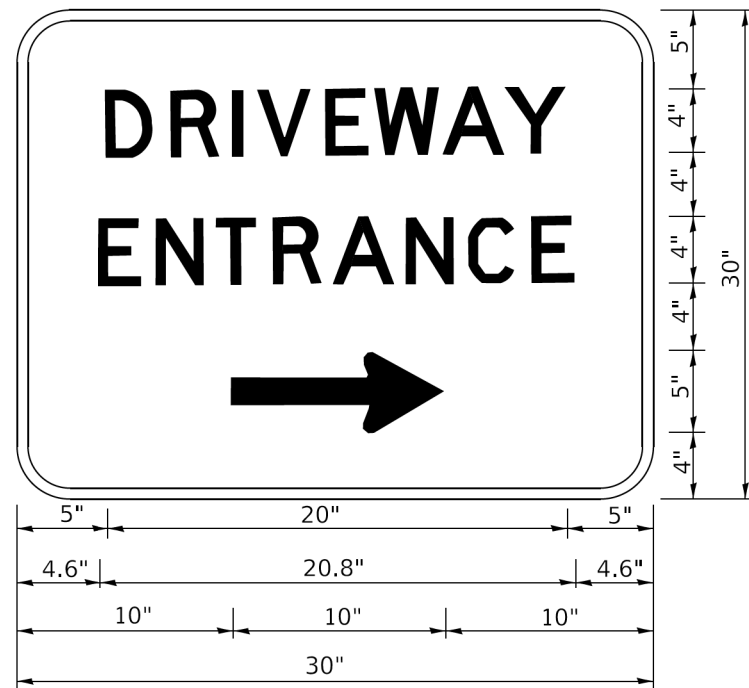
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	411
TC-22			CONTRACT NO. 61J84	
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".

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USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
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PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

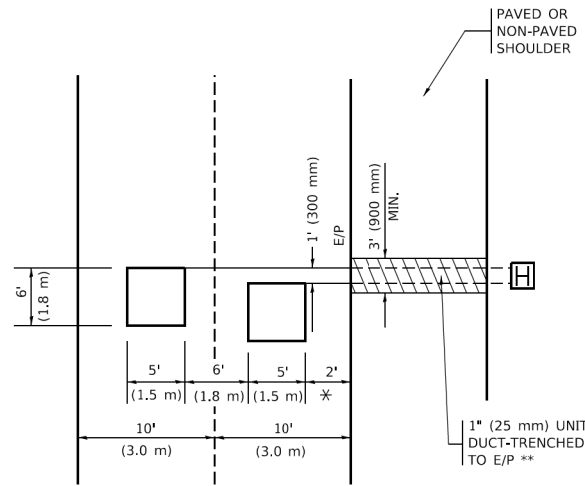
**DRIVEWAY ENTRANCE SIGNING**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	412
<b>TC-26</b>			CONTRACT NO. <b>61J84</b>	
ILLINOIS FED. AID PROJECT				

**LOOPS NEXT TO SHOULDERS**

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



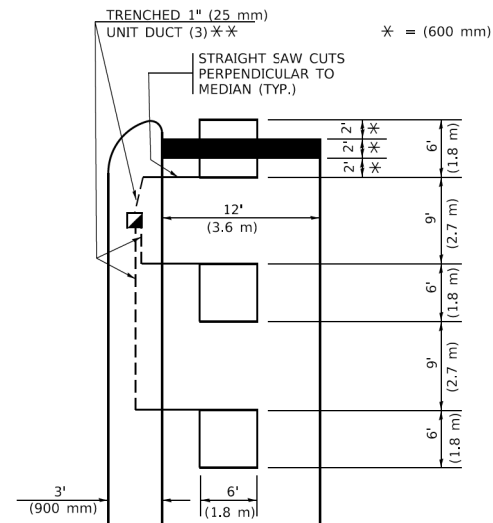
\* = (600 mm)

\*\* 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 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



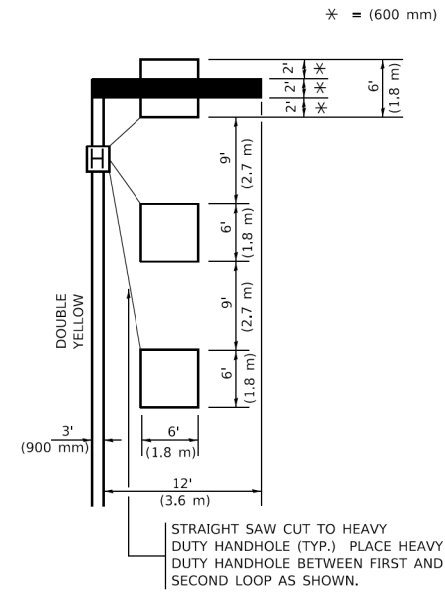
\* = (600 mm)

\*\* 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)**



\* = (600 mm)

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

**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 SEPARATLY. 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.

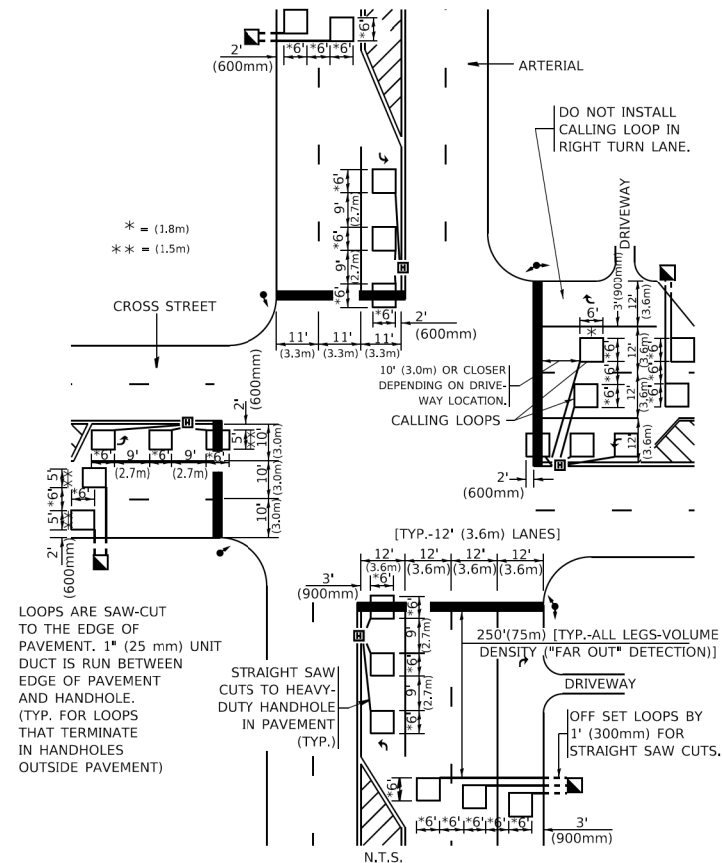
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

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



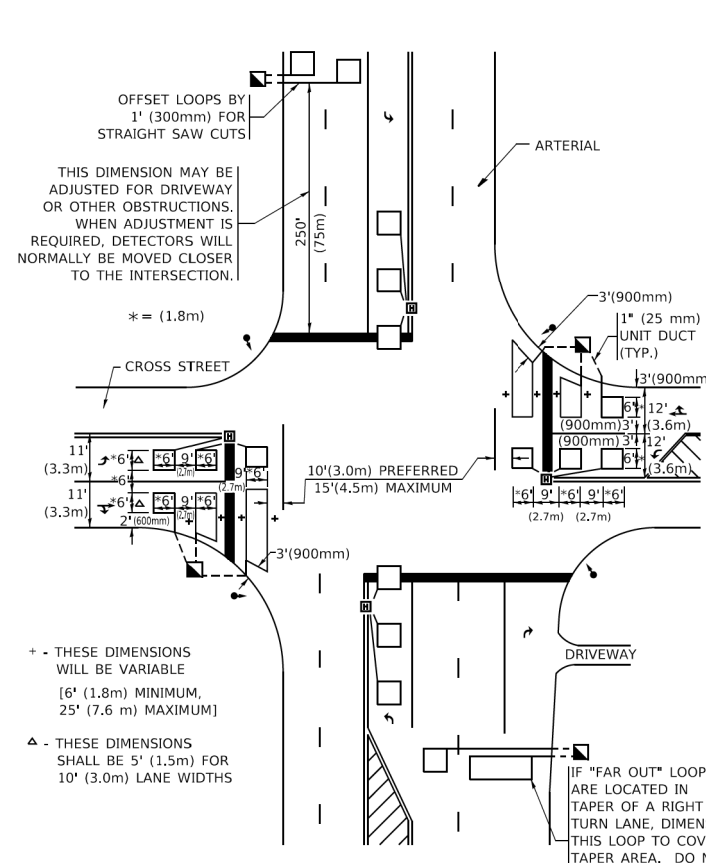
\* = (1.8m)  
\*\* = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

**DETAIL 1**  
N.T.S.

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



OFFSET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS  
THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]  
△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

**DETAIL 2**  
N.T.S.

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

**DISTRICT 1 - DETECTOR LOOP INSTALLATION**  
**DETAILS FOR ROADWAY RESURFACING**

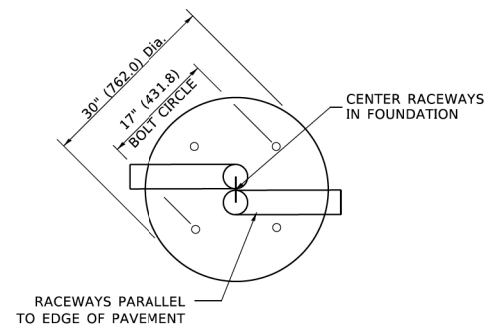
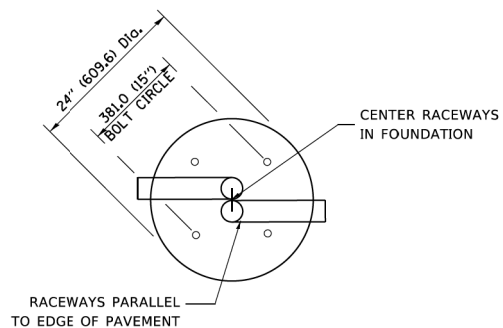
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	413
TS-07		CONTRACT NO. 61J84		
ILLINOIS FED. AID PROJECT				



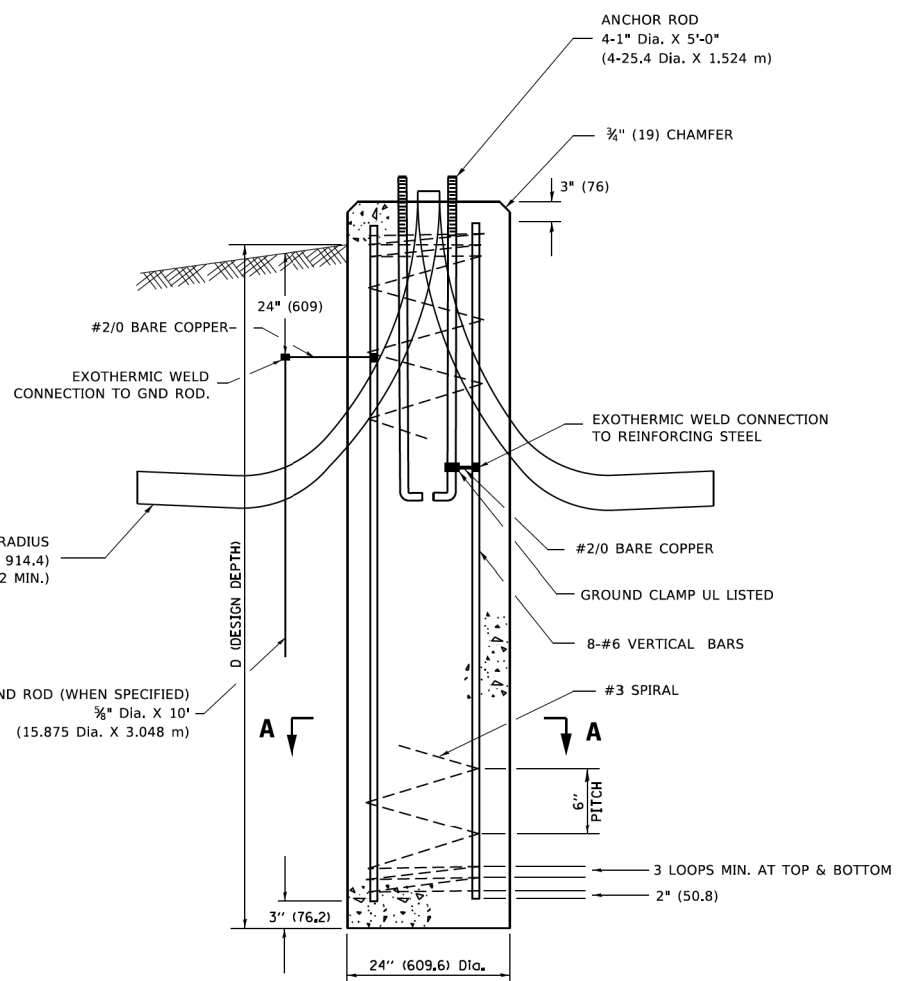
**LIGHT POLE FOUNDATION DEPTH TABLE**  
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.99 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND 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)	7'-9" (2.74 m)

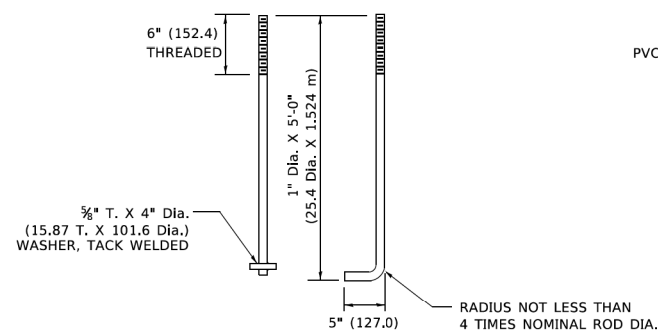


**TOP VIEW**

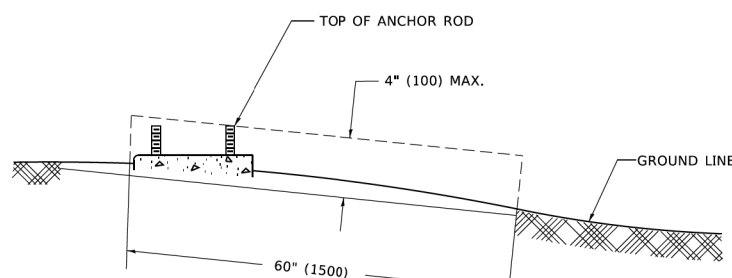
**TOP VIEW**



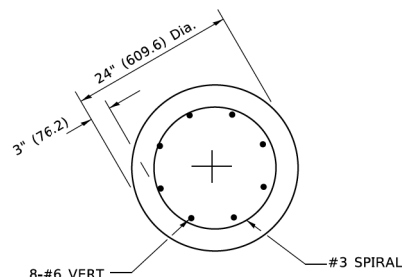
**FOUNDATION DETAIL**



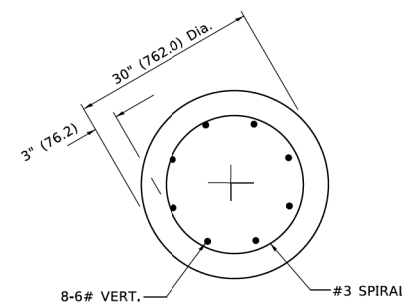
**ANCHOR ROD DETAIL**



**FOUNDATION EXTENSION DETAIL**



**SECTION A-A**



**SECTION A-A**

**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 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1139.
- 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 23#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.

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	DRAWN -	REVISED -
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PLOT DATE = 4/19/2019	DATE -	REVISED -

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

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

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

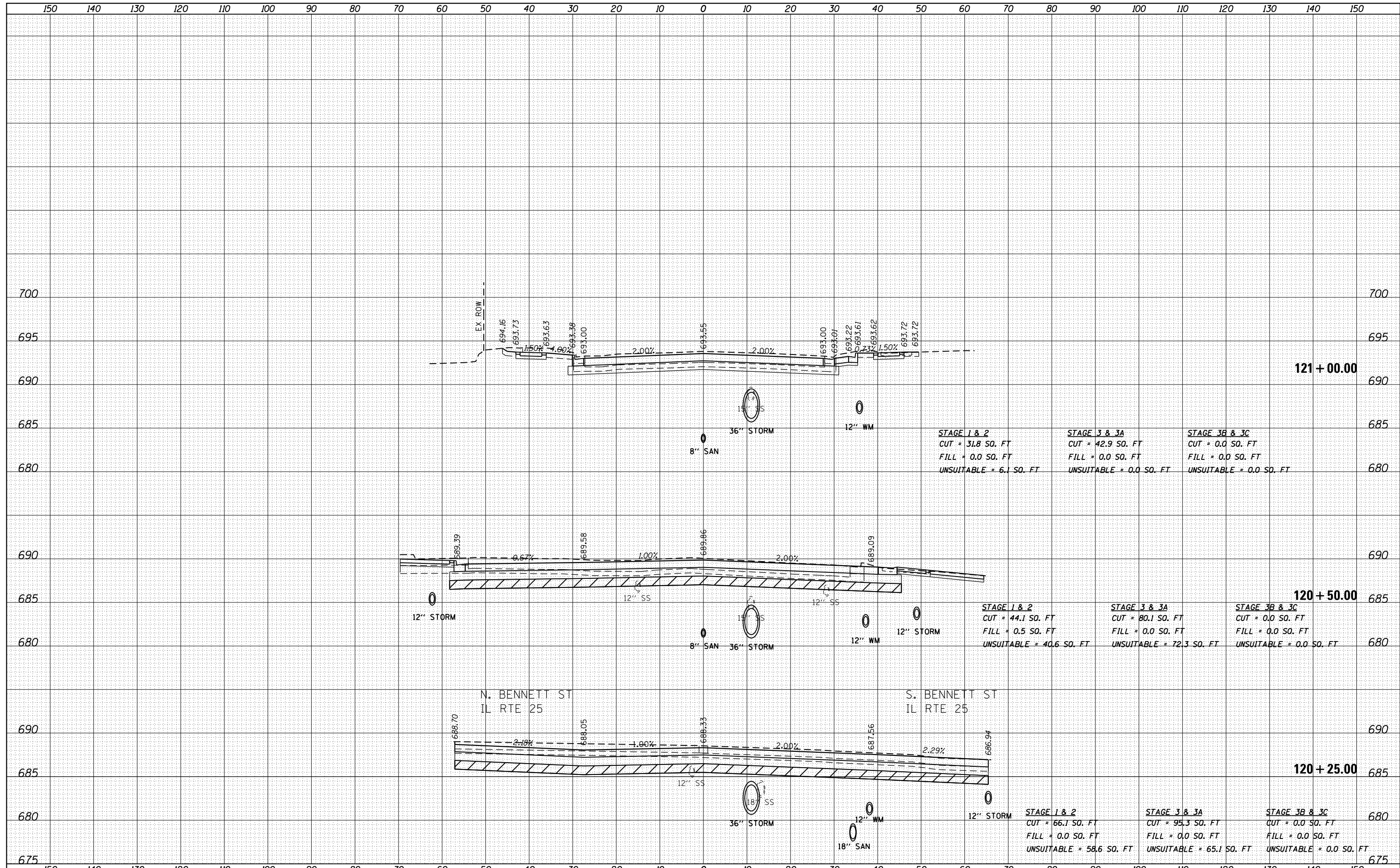
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	414
<b>BE-301</b>		CONTRACT NO. 61J84		
ILLINOIS FED. AID PROJECT				





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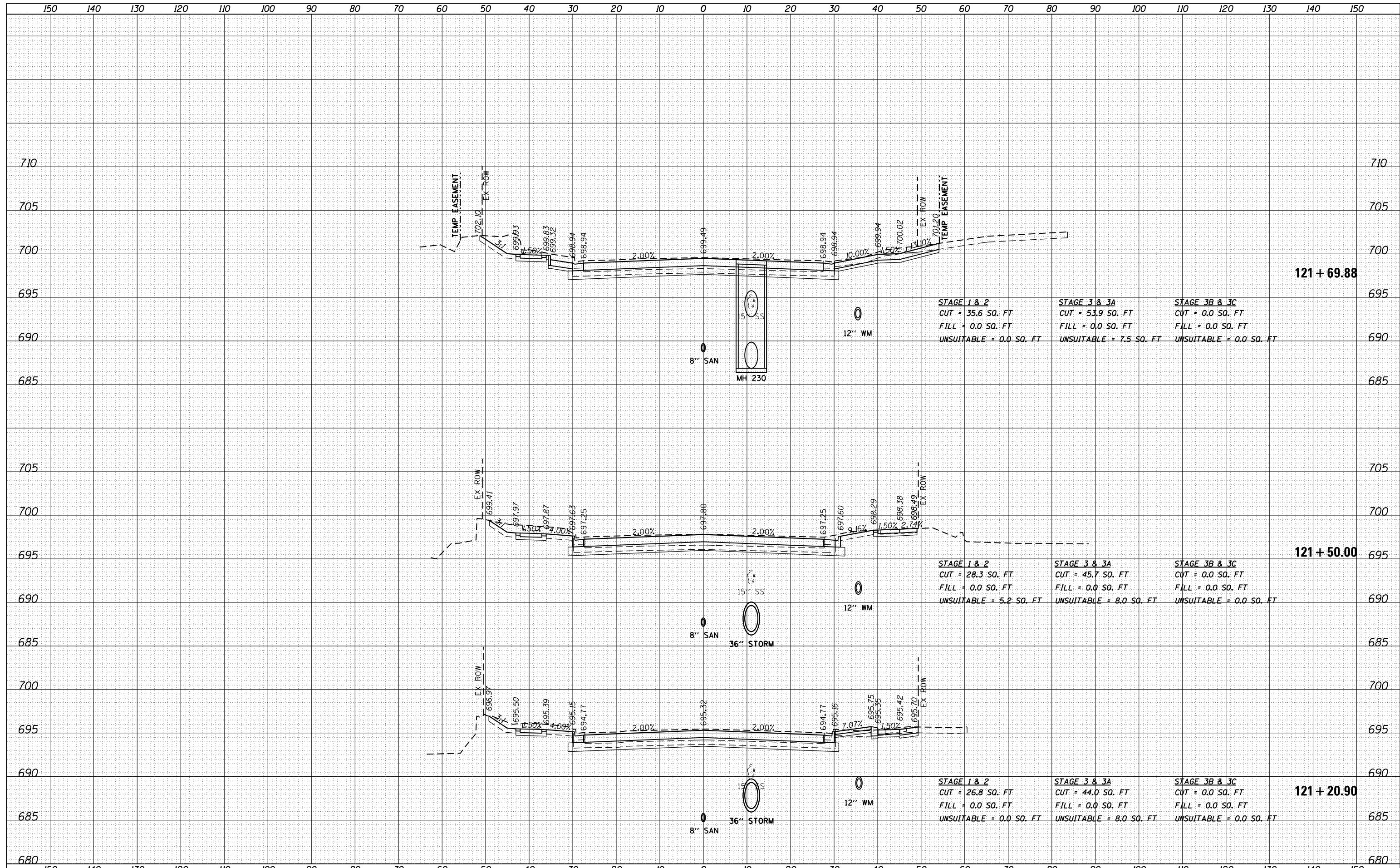
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		DATE - 11/7/2024	REVISED -			ILLINOIS FED. AID PROJECT				

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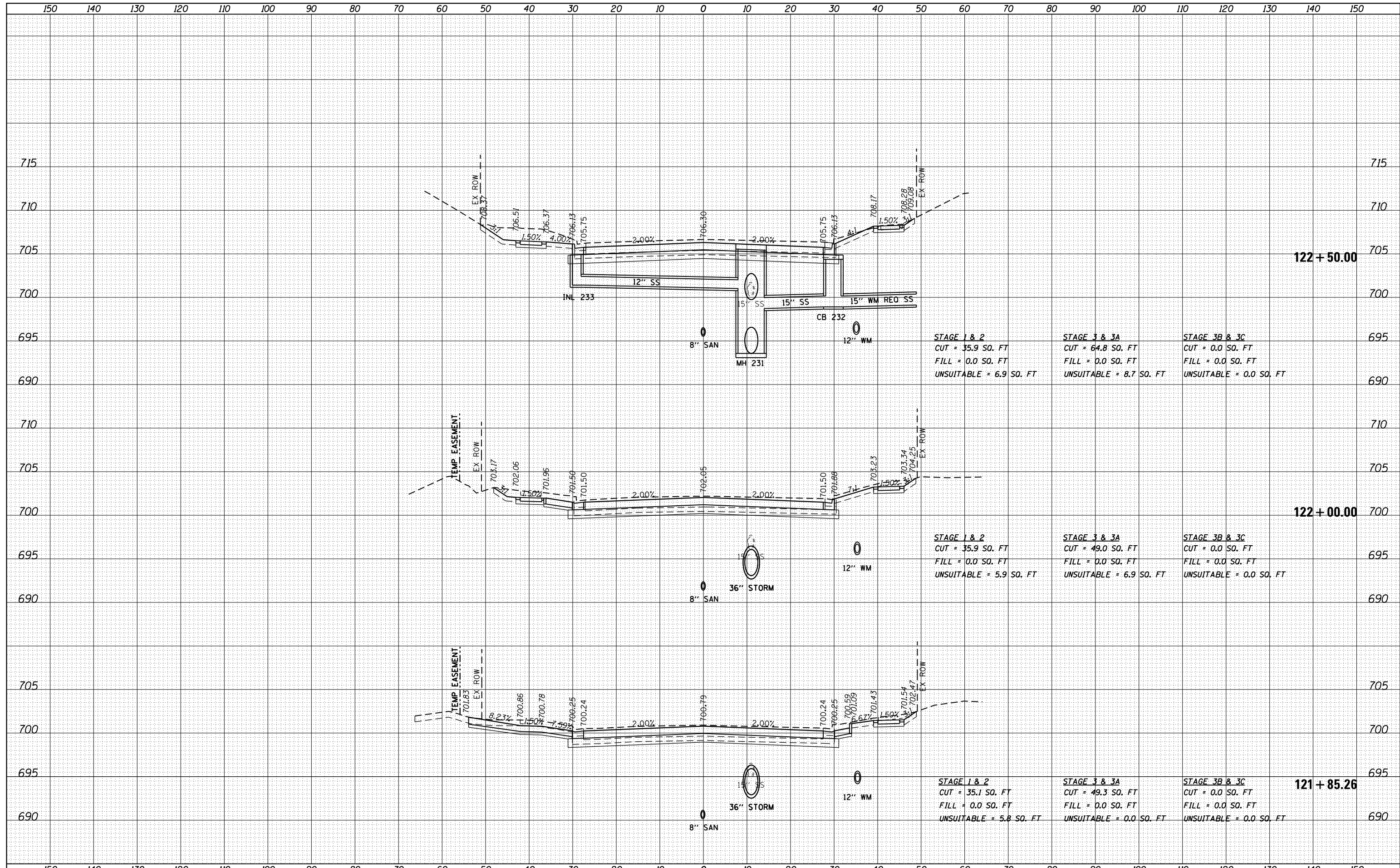
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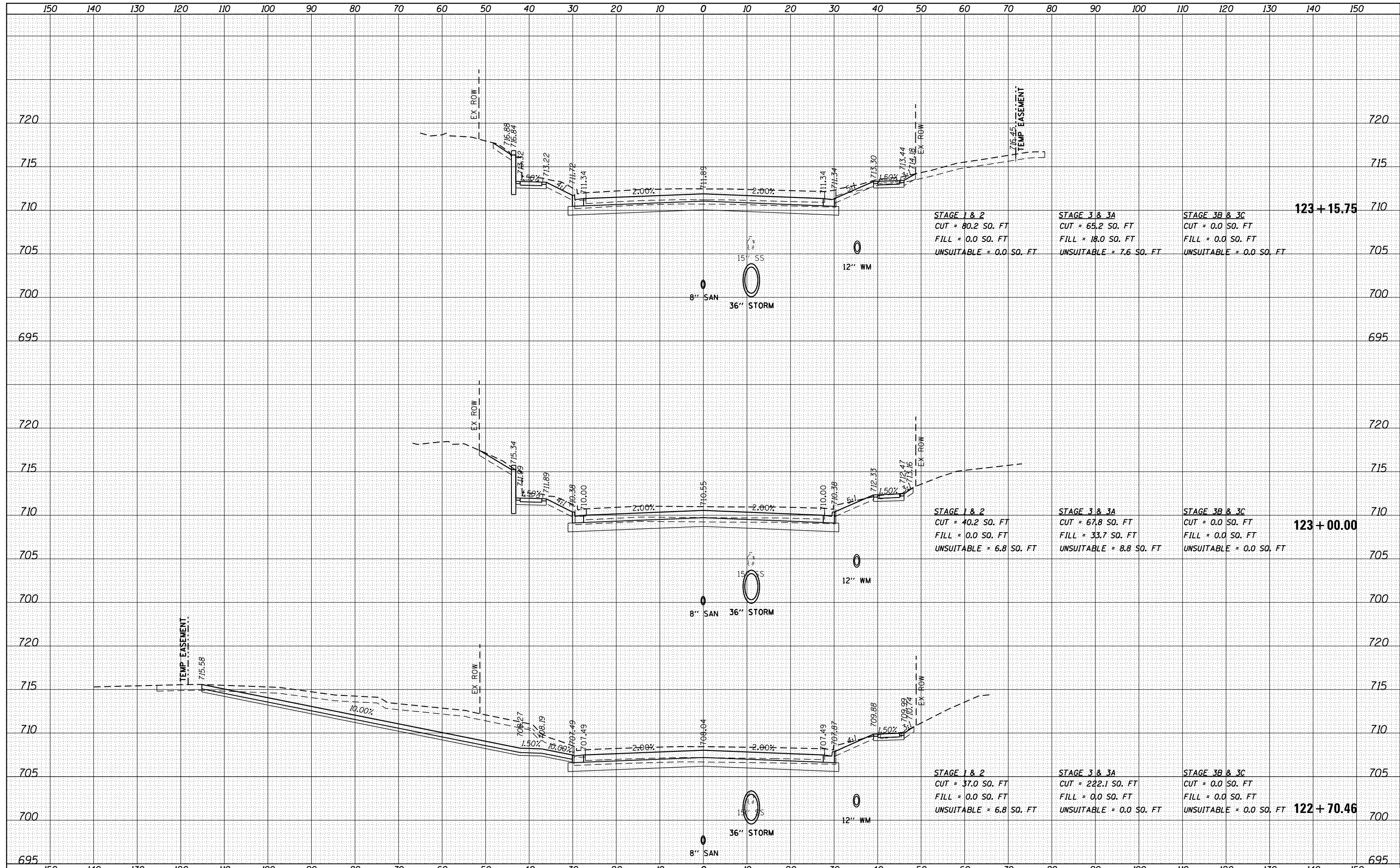
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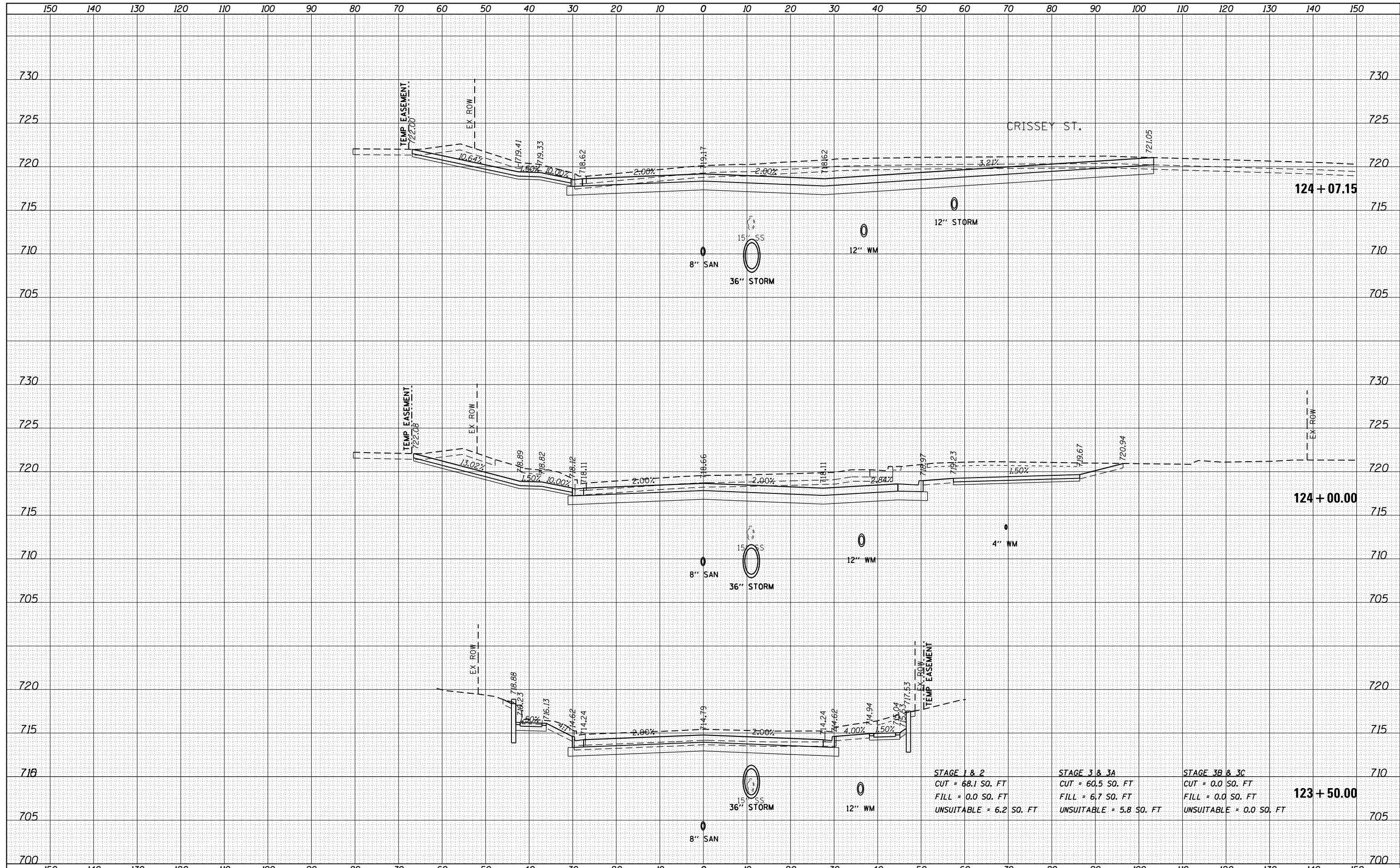
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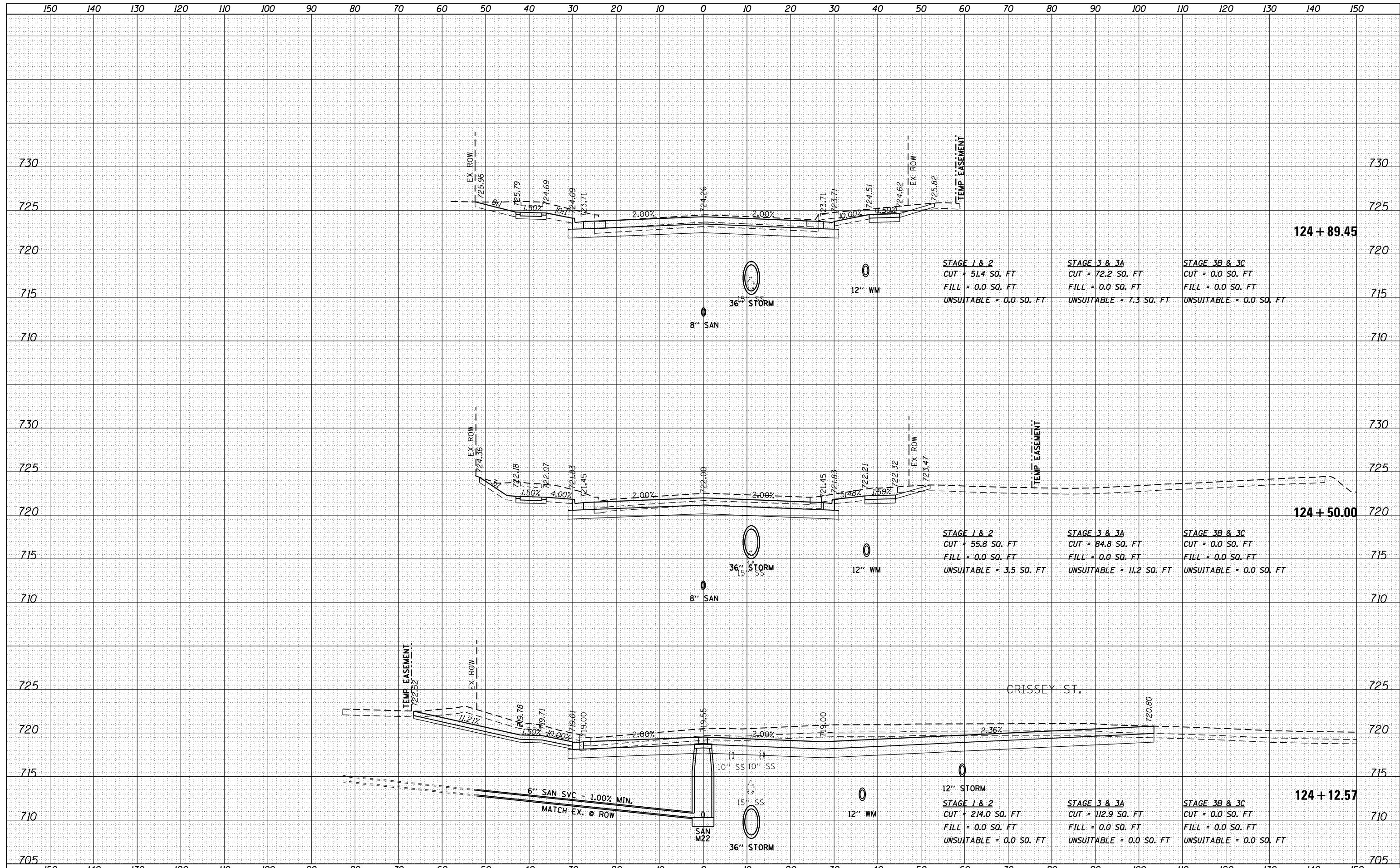
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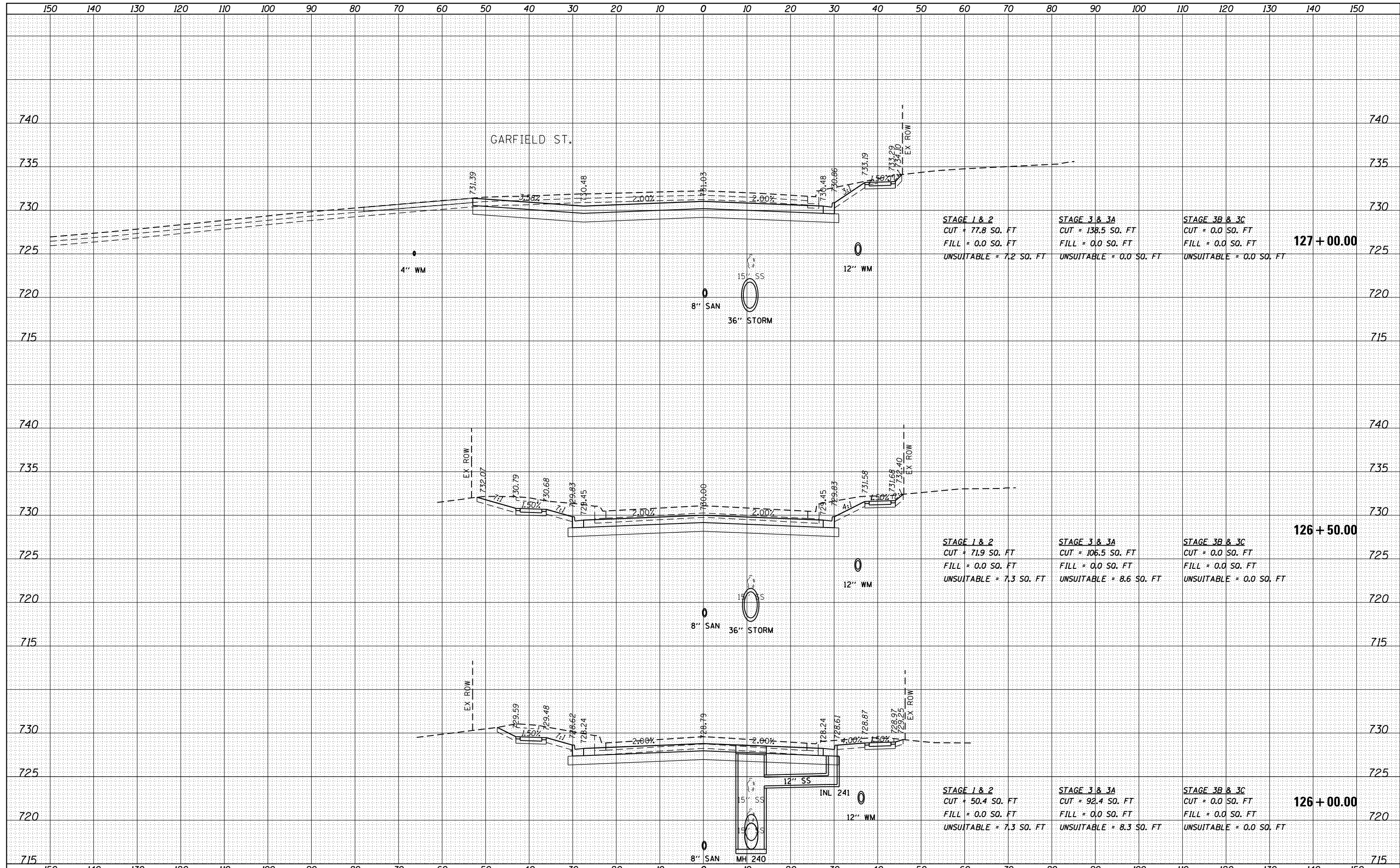


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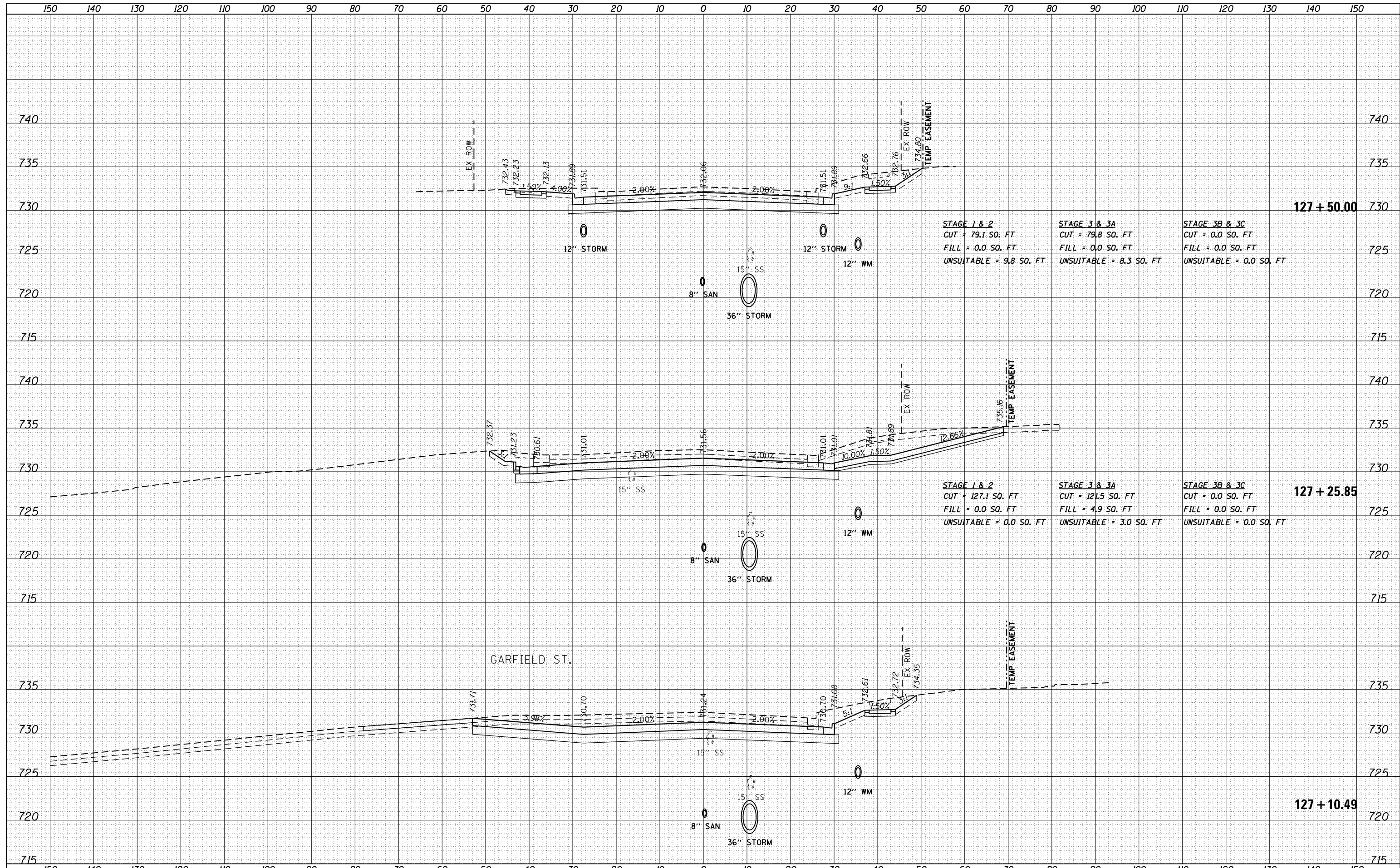
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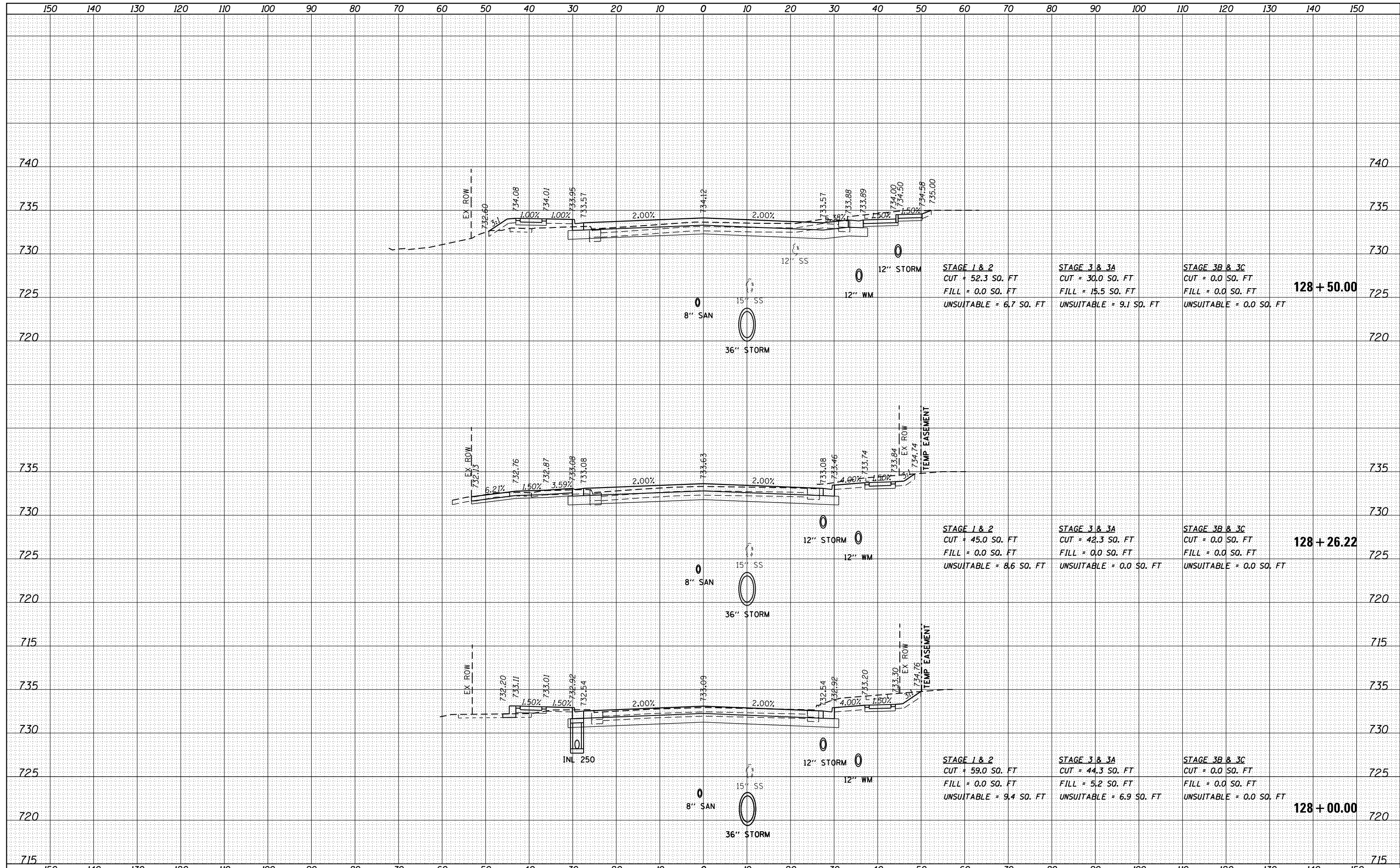
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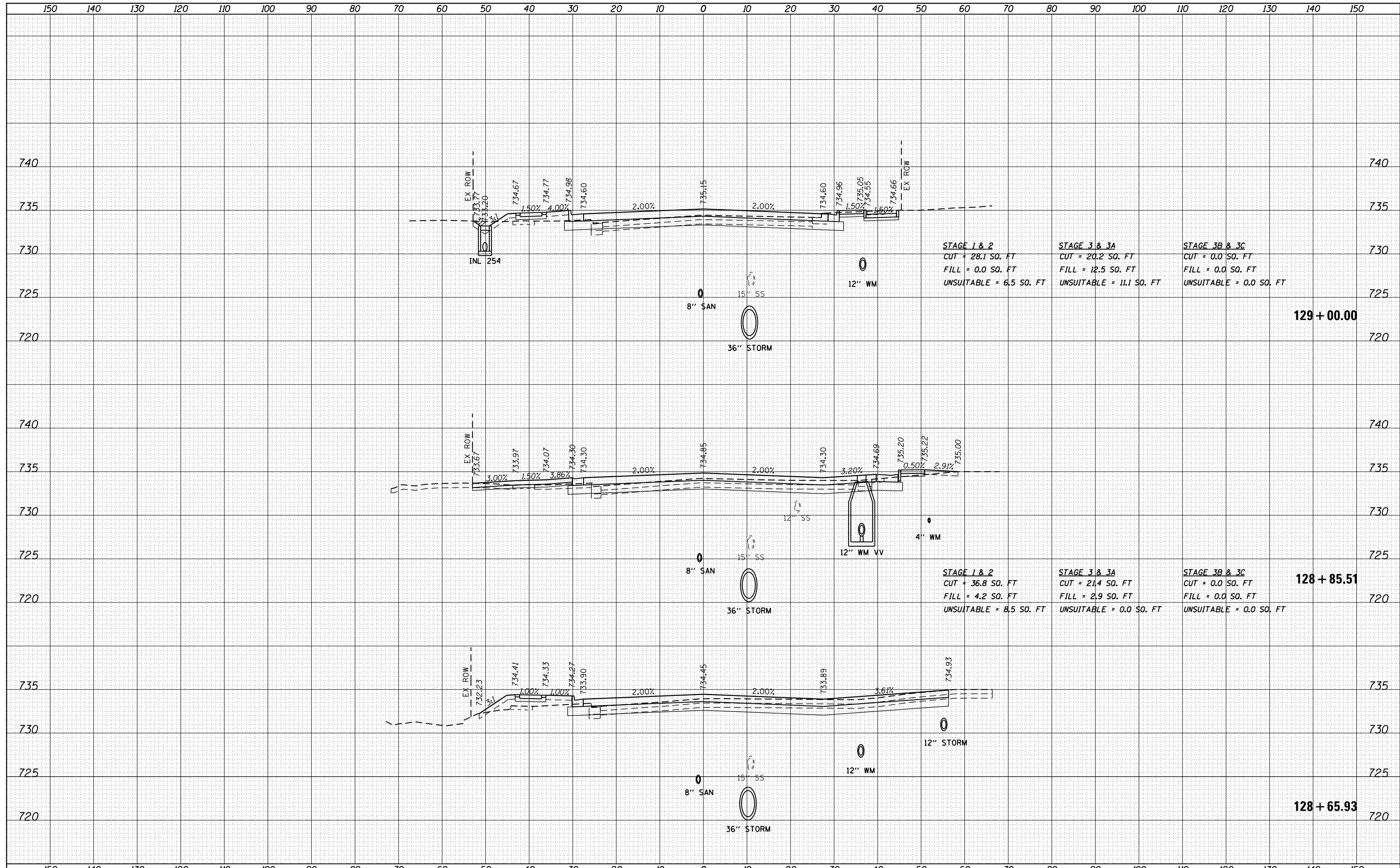
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						SCALE: 1"=5' VT	SCALE: 1"=10' HZ	SHEET 12 OF 62 SHEETS	STA. 128+00.00 TO STA. 128+50.00	

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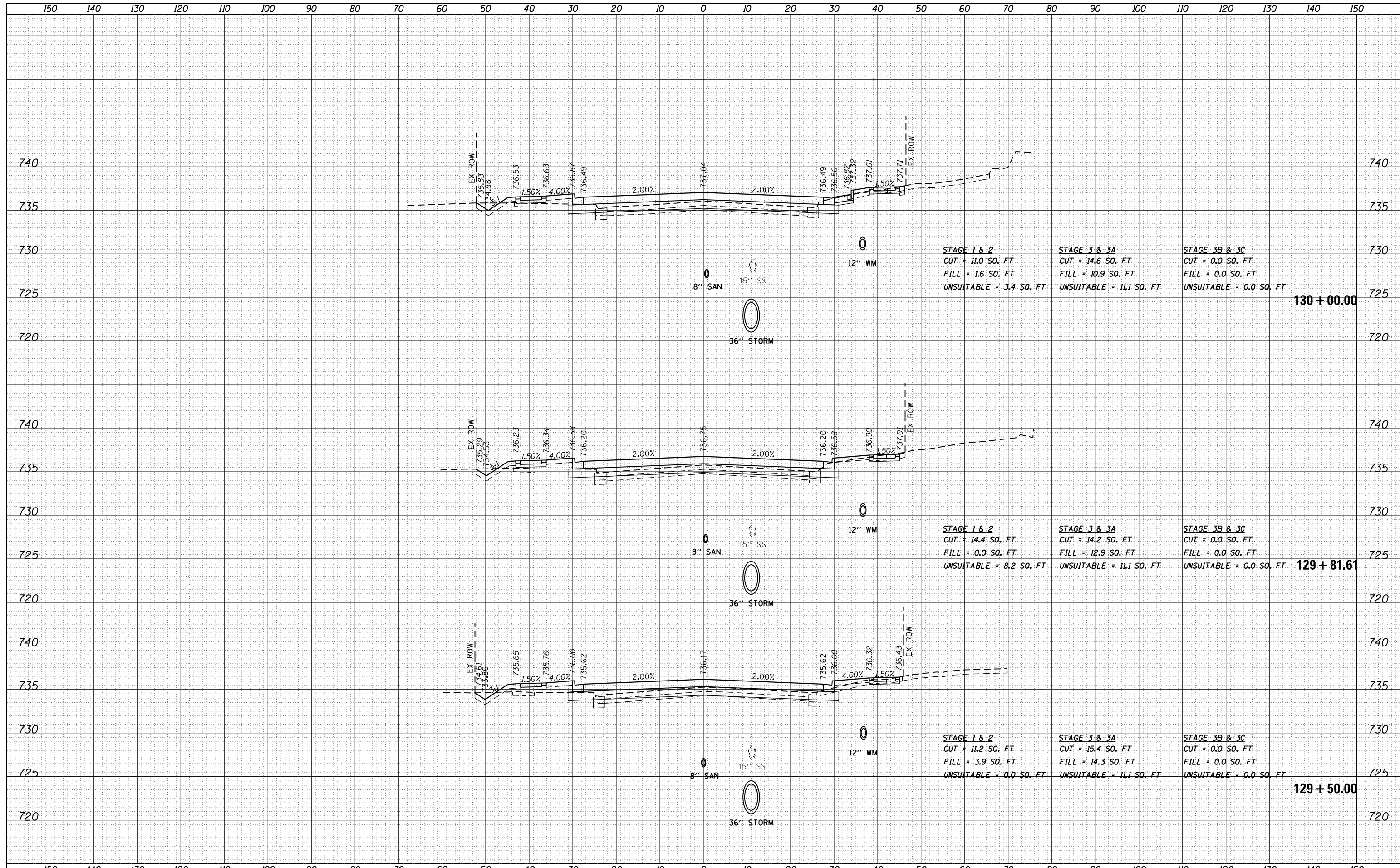
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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISIED -	ILLINOIS FED. AID PROJECT						
Default			SHEET 13 OF 62 SHEETS STA. 128+65.93 TO STA. 129+00.00						

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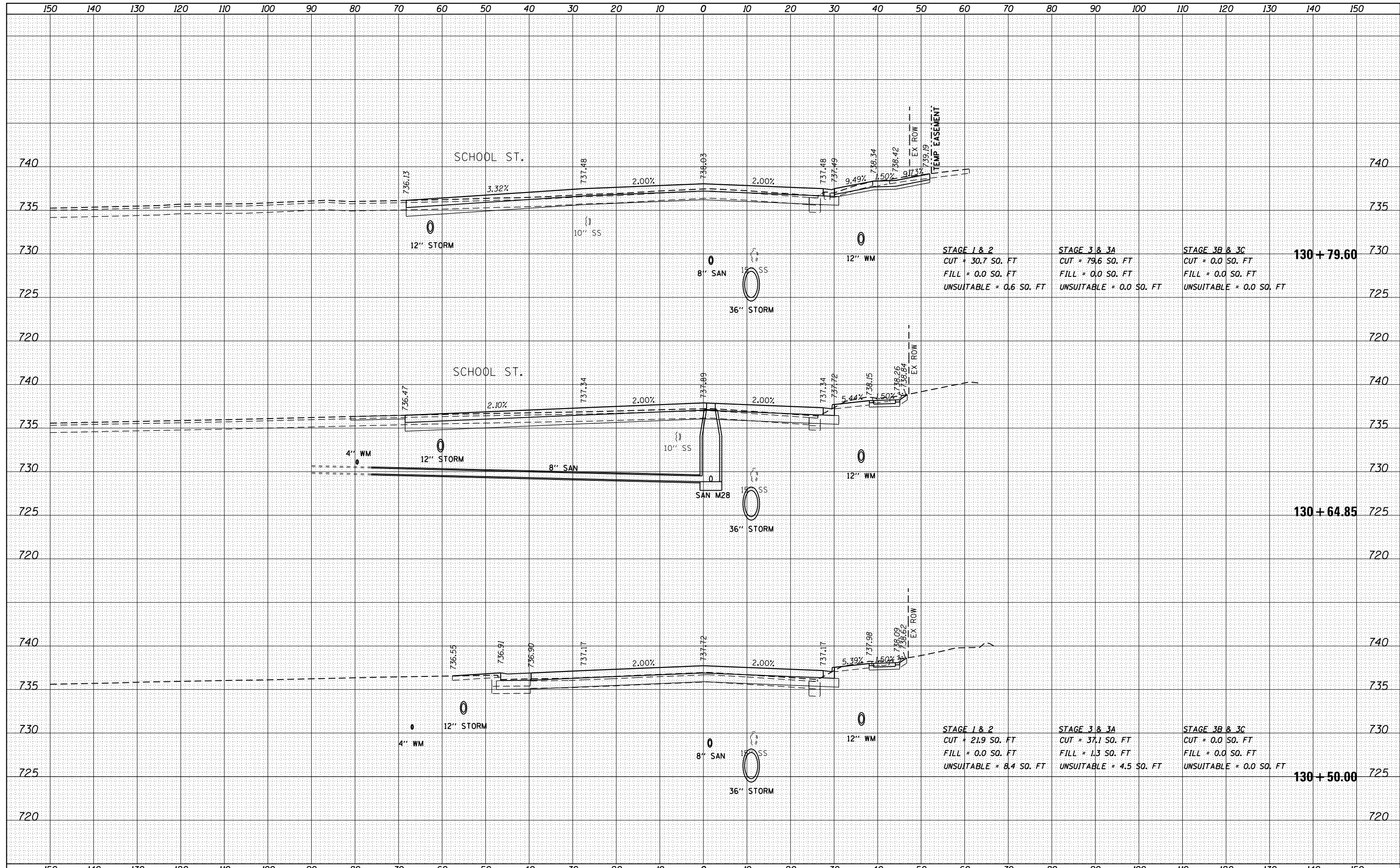


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	PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: 1"=5' VT  
SCALE: 1"=10' HZ  
SHEET 14 OF 62 SHEETS  
STA. 129+50.00 TO STA. 130+00.00

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NOTE BOOK	
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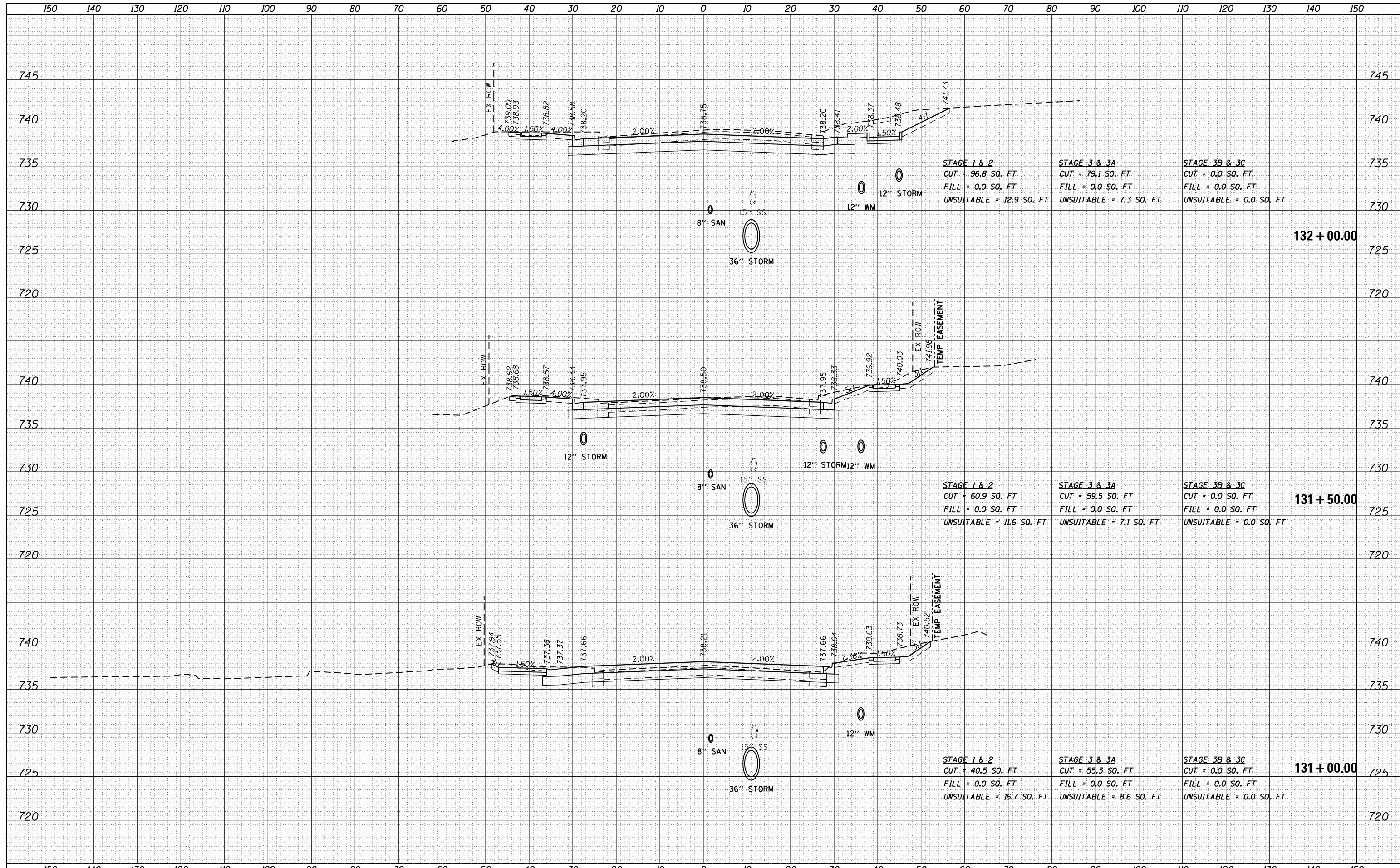
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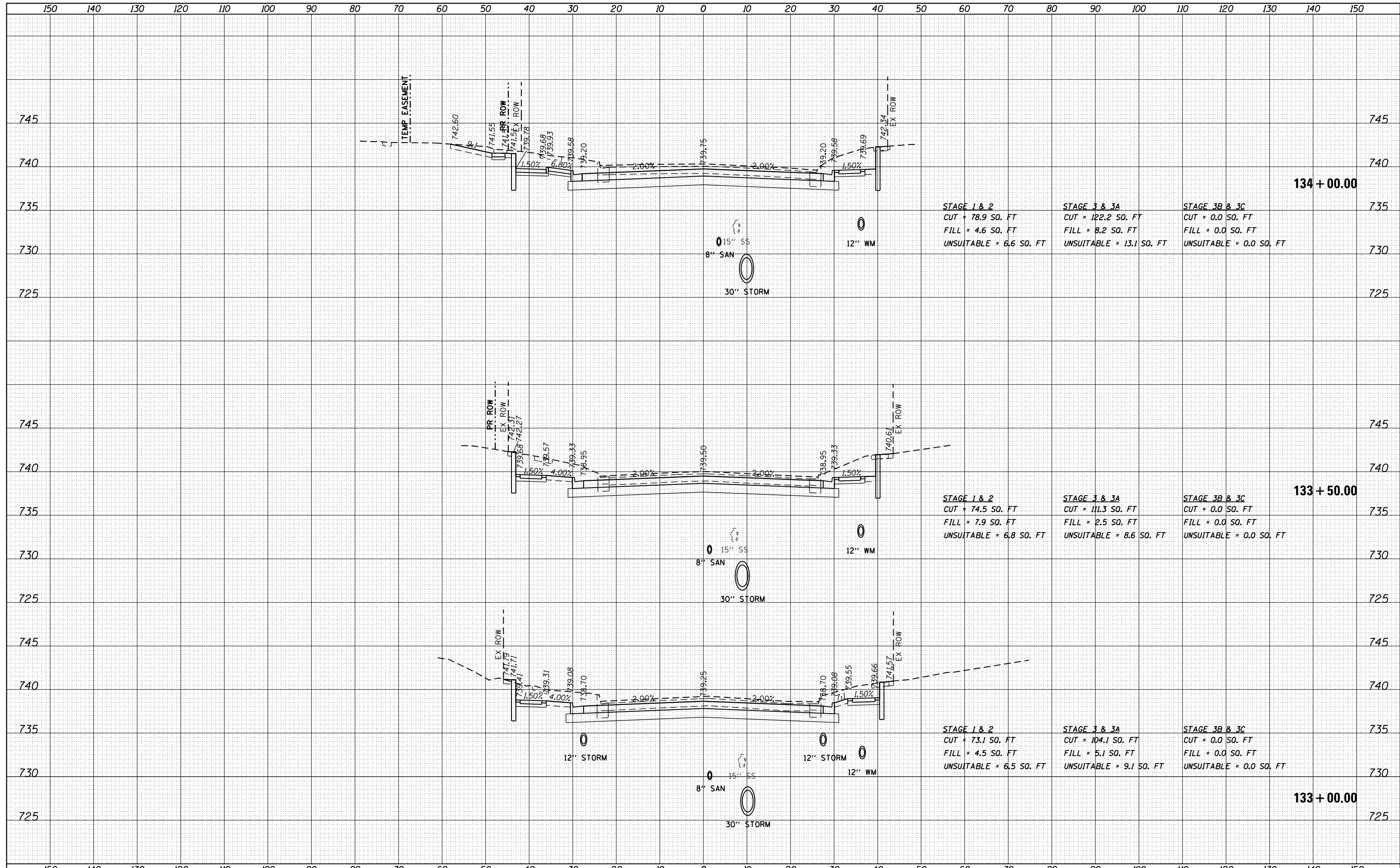
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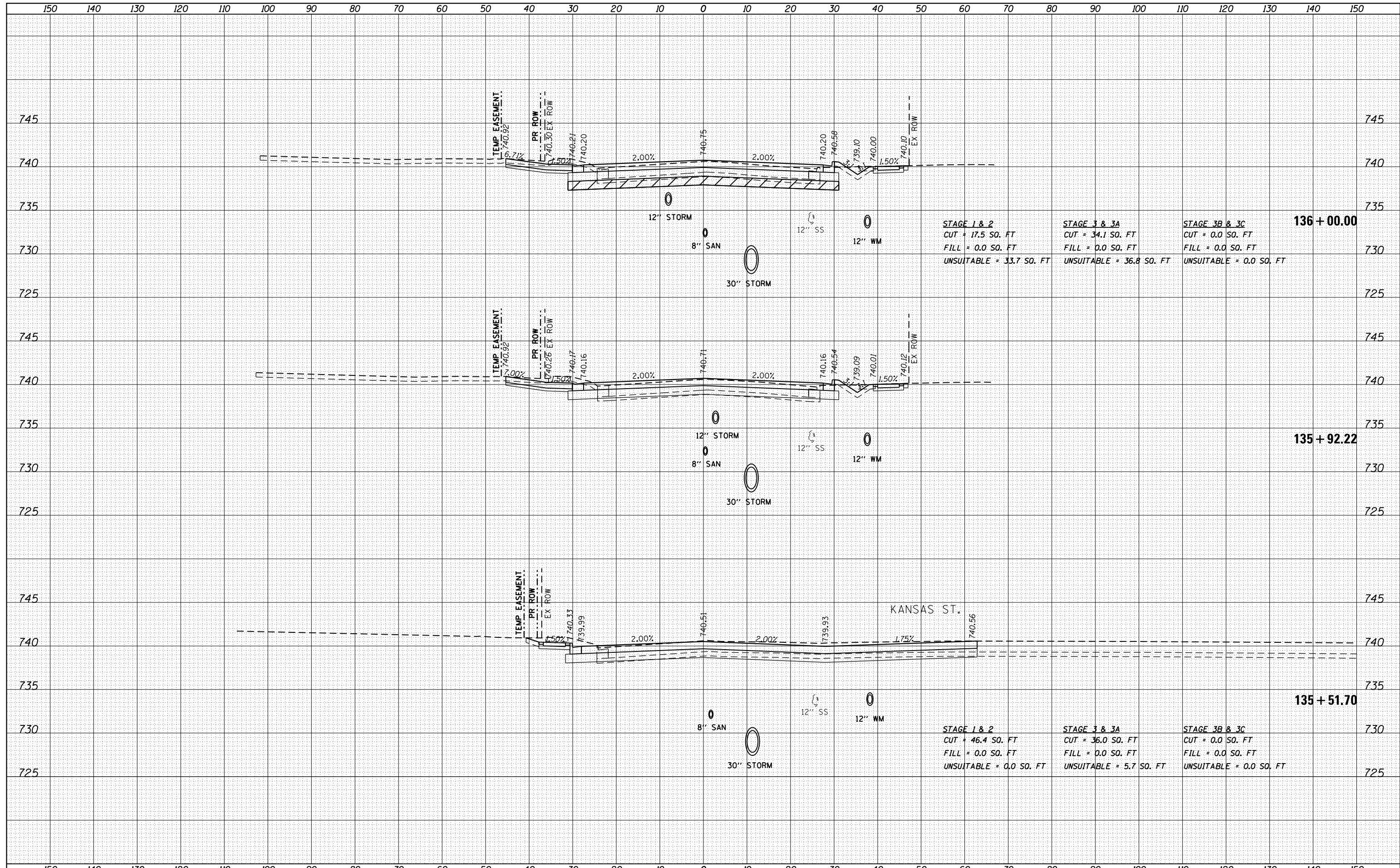
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FILE NAME = F:\961-000 Geneva East State St\CADD\_Sheets\961-000\_SHT\_XS\_E.STATE.dgn  
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USER NAME = tnestor	DESIGNED - GJE	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - GJE	REVISED -
PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -
	DATE - 11/7/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 38 - EAST STATE STREET  
CROSS SECTIONS**

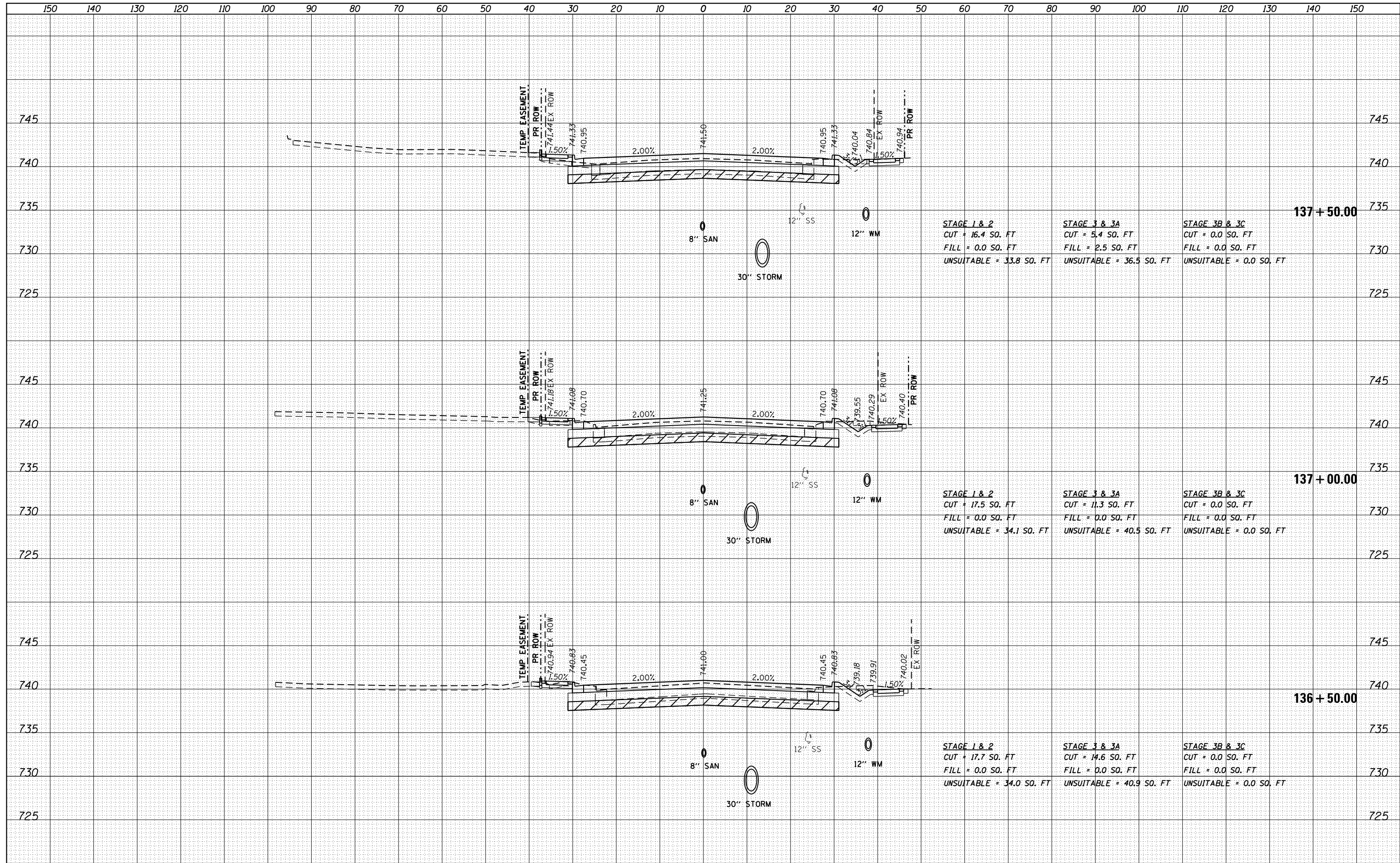
SCALE: 1"=5' VT  
 SCALE: 1"=10' HZ

SHEET 20 OF 62 SHEETS | STA. 135+51.70 TO STA. 136+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	434
				CONTRACT NO. 61J84
ILLINOIS FED. AID PROJECT				

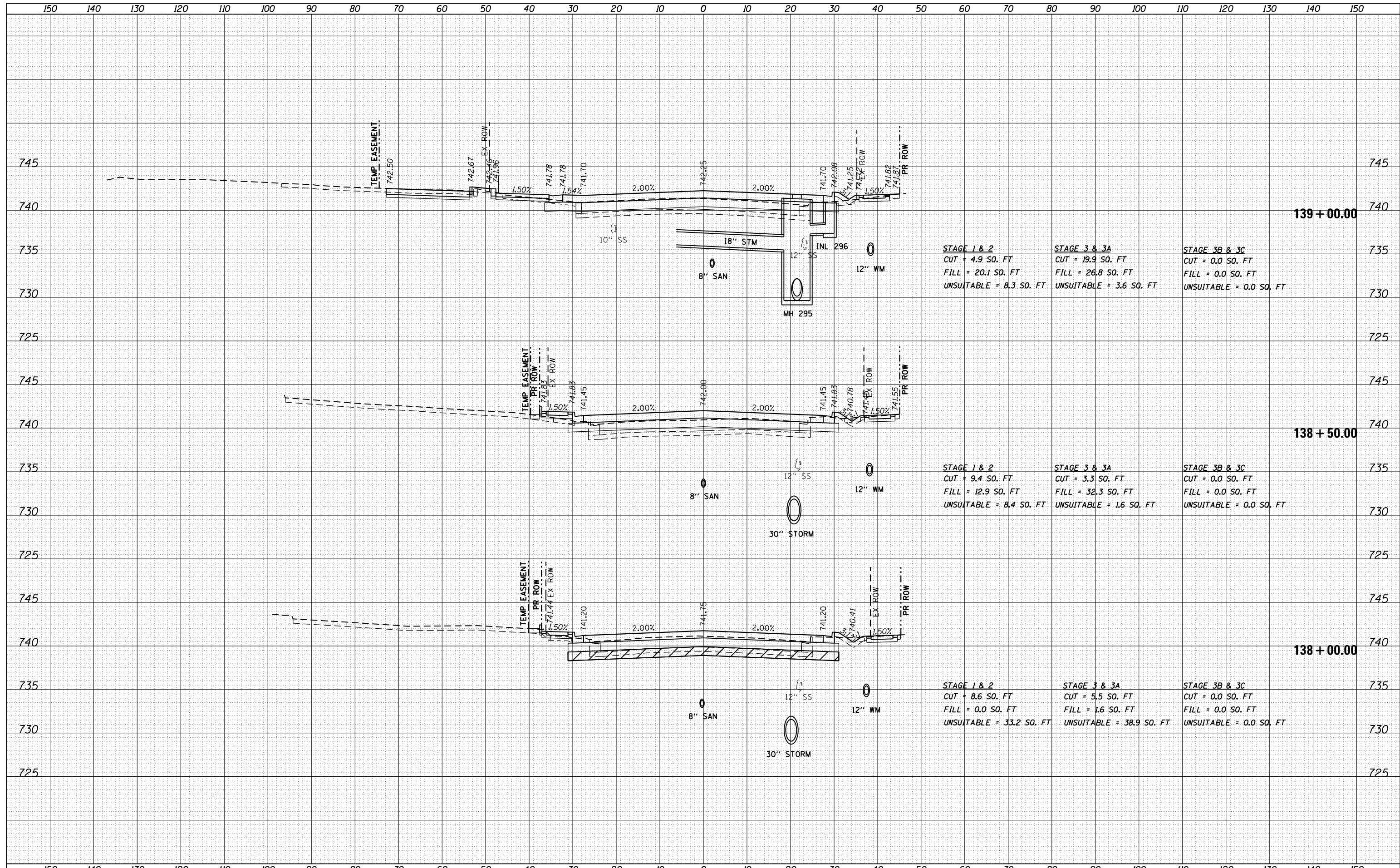
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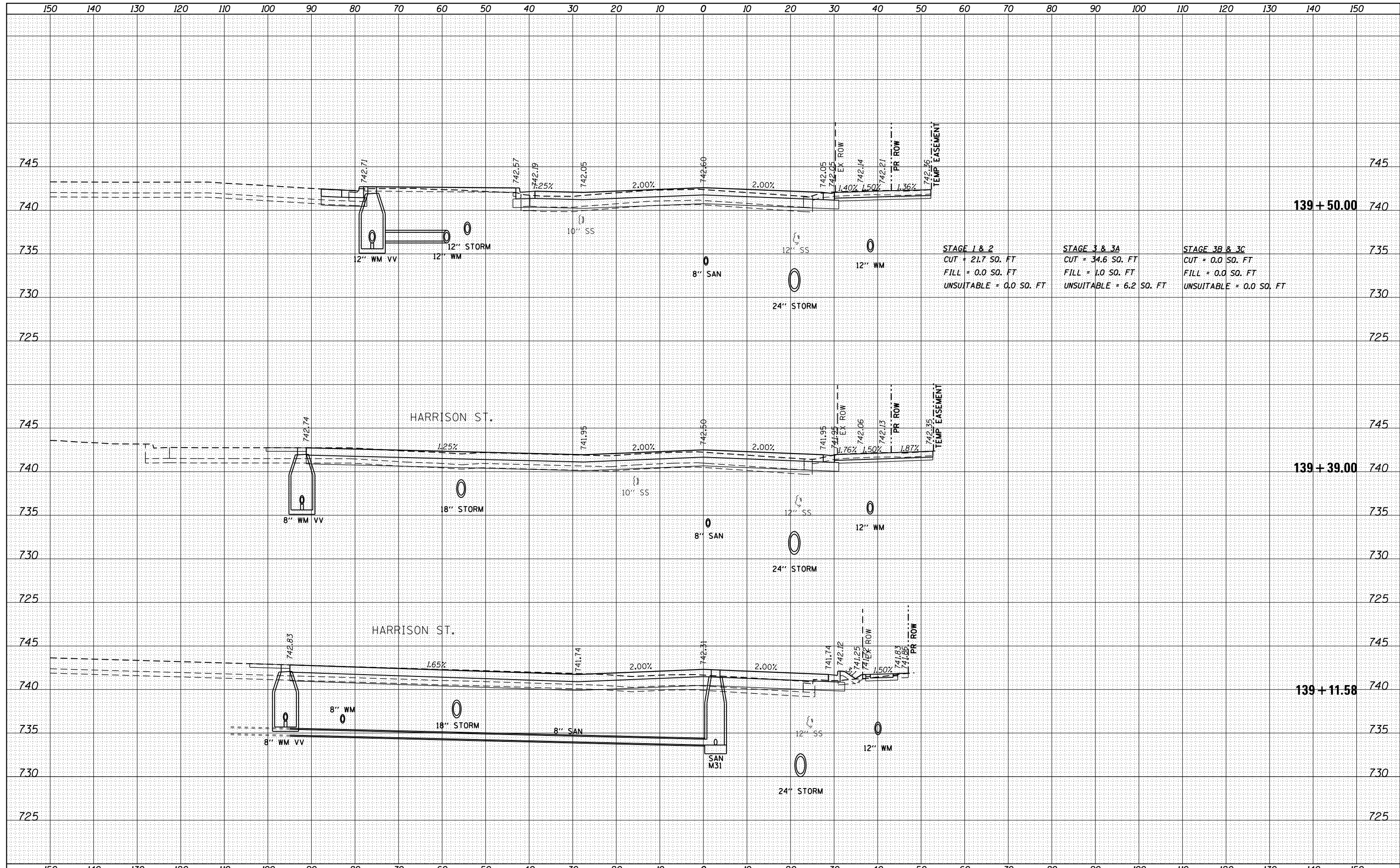
STAGE 1 & 2	STAGE 3 & 3A	STAGE 3B & 3C
CUT = 4.9 SO. FT	CUT = 19.9 SO. FT	CUT = 0.0 SO. FT
FILL = 20.1 SO. FT	FILL = 26.8 SO. FT	FILL = 0.0 SO. FT
UNSUITABLE = 8.3 SO. FT	UNSUITABLE = 3.6 SO. FT	UNSUITABLE = 0.0 SO. FT

STAGE 1 & 2	STAGE 3 & 3A	STAGE 3B & 3C
CUT = 9.4 SO. FT	CUT = 3.3 SO. FT	CUT = 0.0 SO. FT
FILL = 12.9 SO. FT	FILL = 32.3 SO. FT	FILL = 0.0 SO. FT
UNSUITABLE = 8.4 SO. FT	UNSUITABLE = 1.6 SO. FT	UNSUITABLE = 0.0 SO. FT

STAGE 1 & 2	STAGE 3 & 3A	STAGE 3B & 3C
CUT = 8.6 SO. FT	CUT = 5.5 SO. FT	CUT = 0.0 SO. FT
FILL = 0.0 SO. FT	FILL = 1.6 SO. FT	FILL = 0.0 SO. FT
UNSUITABLE = 33.2 SO. FT	UNSUITABLE = 38.9 SO. FT	UNSUITABLE = 0.0 SO. FT

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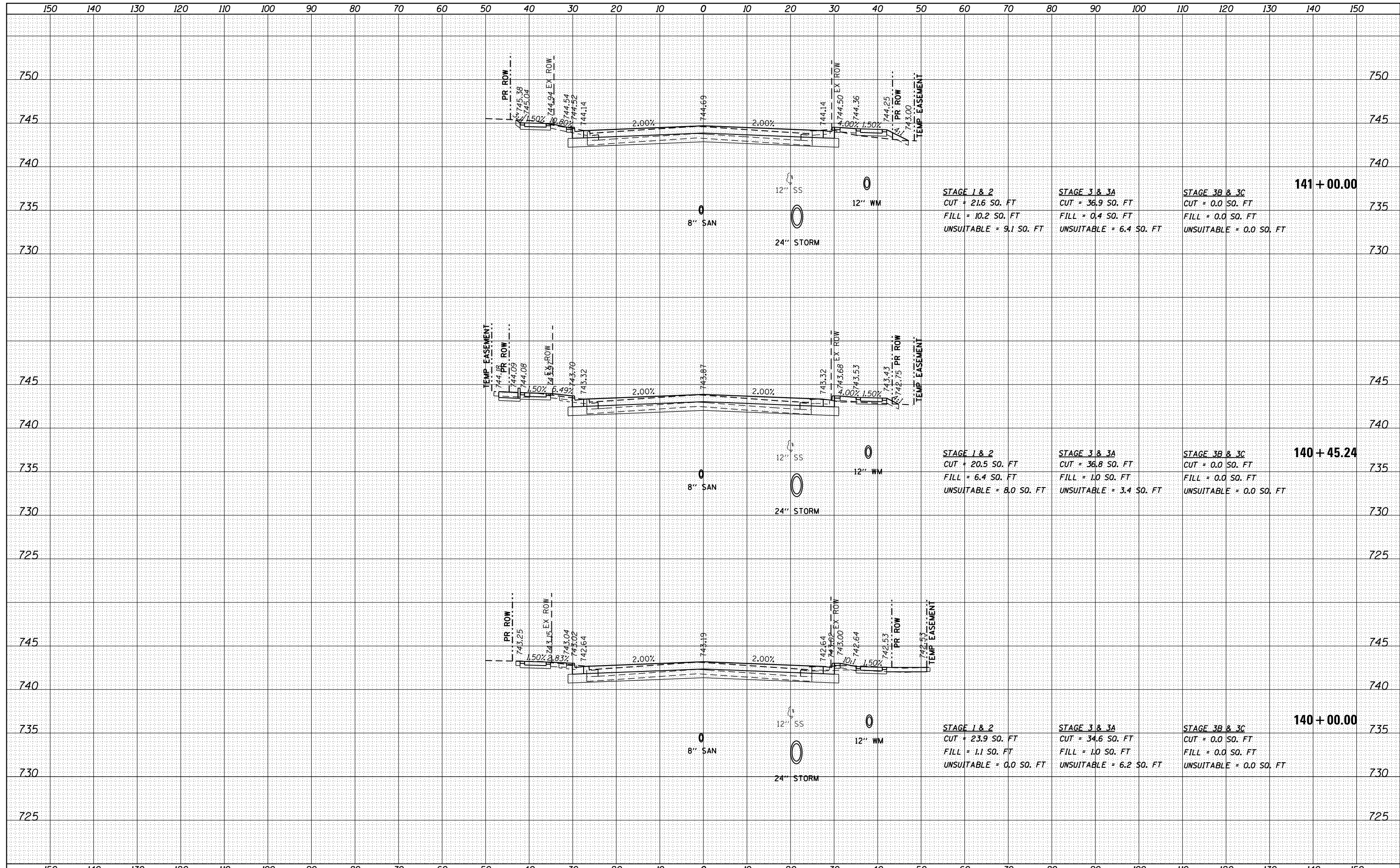


FILE NAME =	USER NAME = tnestor	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS ROUTE 38 - EAST STATE STREET</b> <b>CROSS SECTIONS</b>	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F:\961-000 Geneva East State St\CADD\Sheets\961-000-SHT_XS_E.STATE.dgn	DRAWN - GJE	REVISED -	0347			05-00102-00-PV	KANE	488	437	
PLOT SCALE = 20.0000' / in.	CHECKED - DBB	REVISED -	CONTRACT NO. 61J84							
Default	DATE - 11/7/2024	REVISED -	ILLINOIS FED. AID PROJECT							



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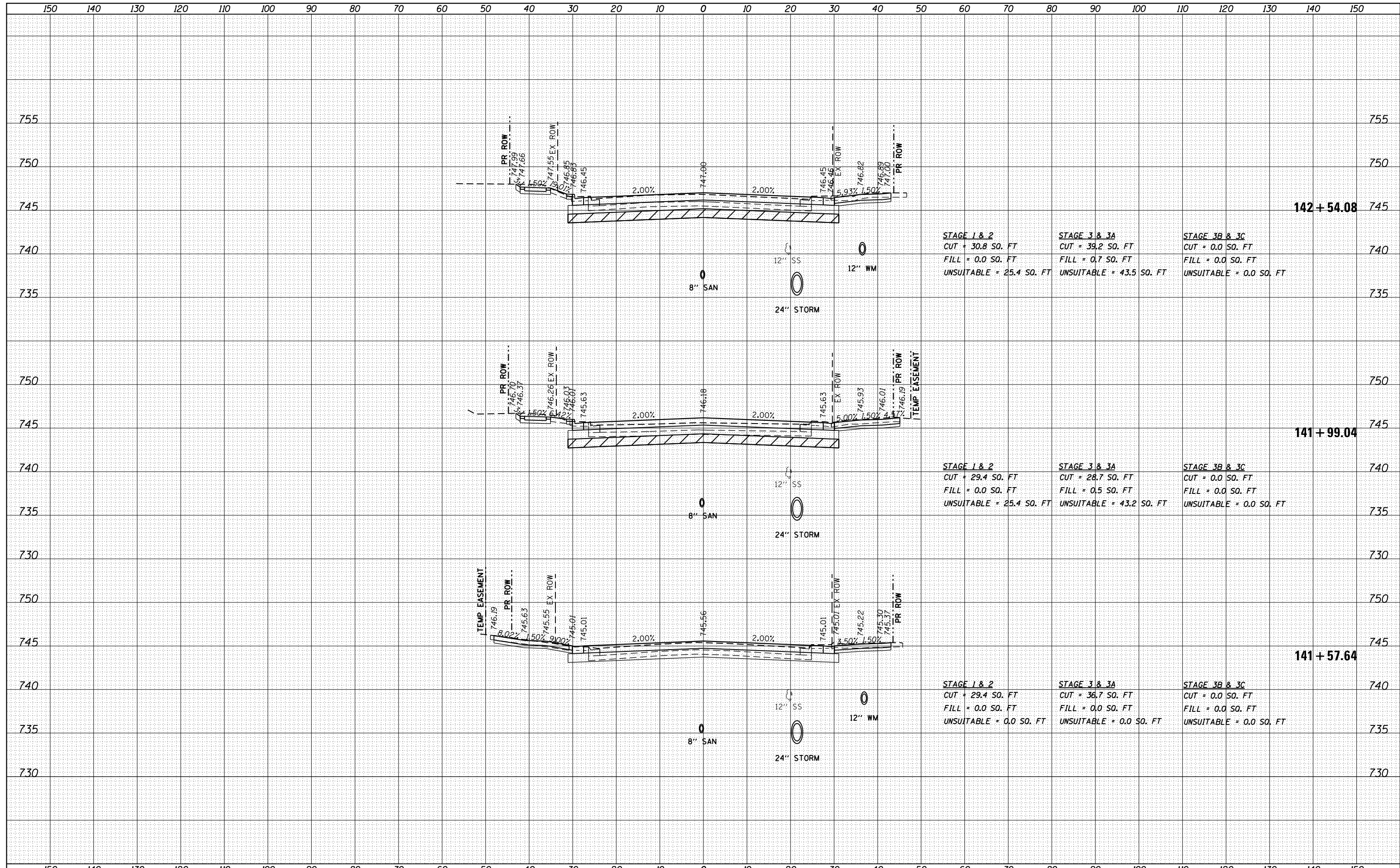
<b>STAGE 1 &amp; 2</b>	<b>STAGE 3 &amp; 3A</b>	<b>STAGE 3B &amp; 3C</b>
CUT = 21.6 SO. FT	CUT = 36.9 SO. FT	CUT = 0.0 SO. FT
FILL = 10.2 SO. FT	FILL = 0.4 SO. FT	FILL = 0.0 SO. FT
UNSUITABLE = 9.1 SO. FT	UNSUITABLE = 6.4 SO. FT	UNSUITABLE = 0.0 SO. FT

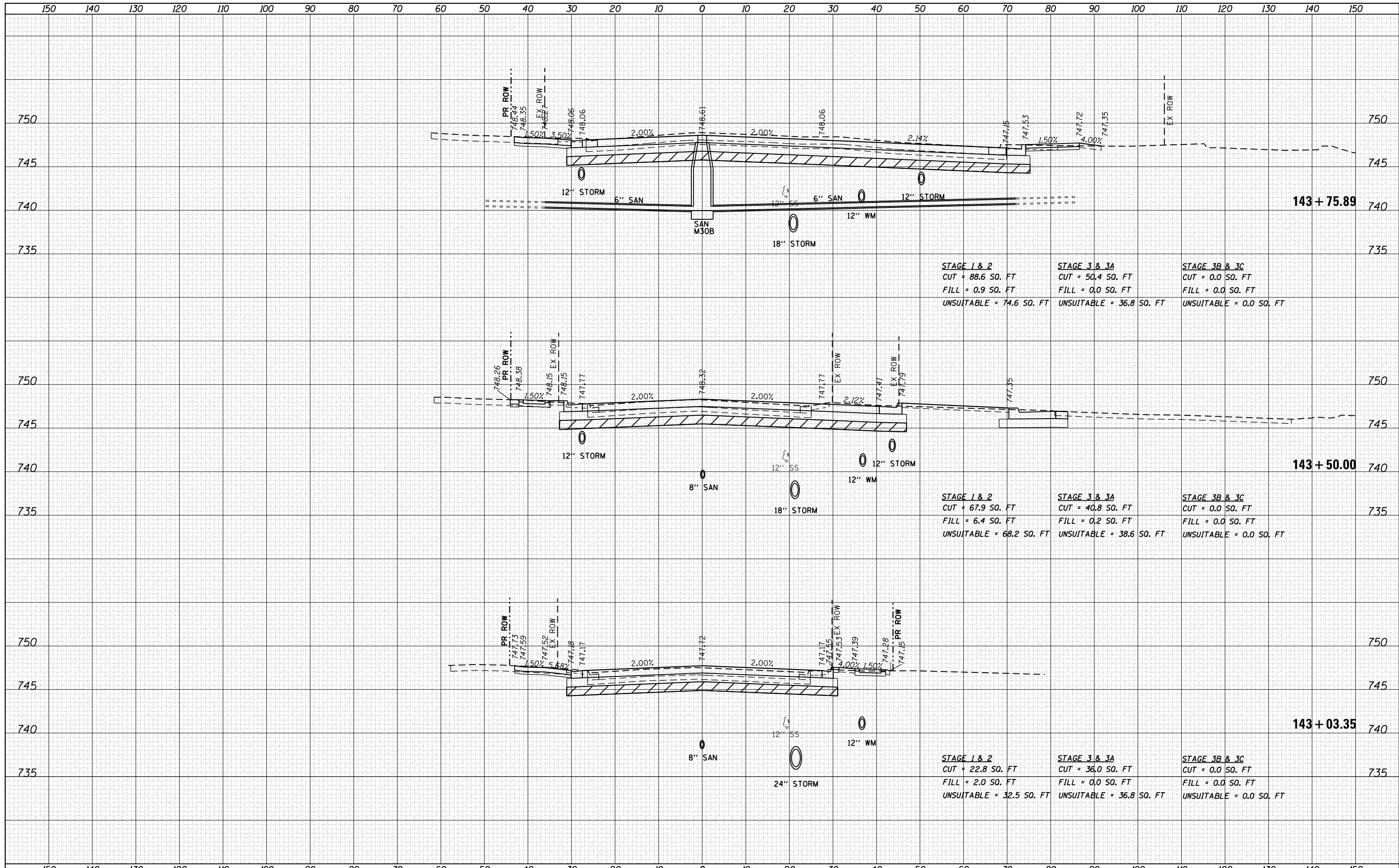
<b>STAGE 1 &amp; 2</b>	<b>STAGE 3 &amp; 3A</b>	<b>STAGE 3B &amp; 3C</b>
CUT = 20.5 SO. FT	CUT = 36.8 SO. FT	CUT = 0.0 SO. FT
FILL = 6.4 SO. FT	FILL = 1.0 SO. FT	FILL = 0.0 SO. FT
UNSUITABLE = 8.0 SO. FT	UNSUITABLE = 3.4 SO. FT	UNSUITABLE = 0.0 SO. FT

<b>STAGE 1 &amp; 2</b>	<b>STAGE 3 &amp; 3A</b>	<b>STAGE 3B &amp; 3C</b>
CUT = 23.9 SO. FT	CUT = 34.6 SO. FT	CUT = 0.0 SO. FT
FILL = 1.1 SO. FT	FILL = 1.0 SO. FT	FILL = 0.0 SO. FT
UNSUITABLE = 0.0 SO. FT	UNSUITABLE = 6.2 SO. FT	UNSUITABLE = 0.0 SO. FT

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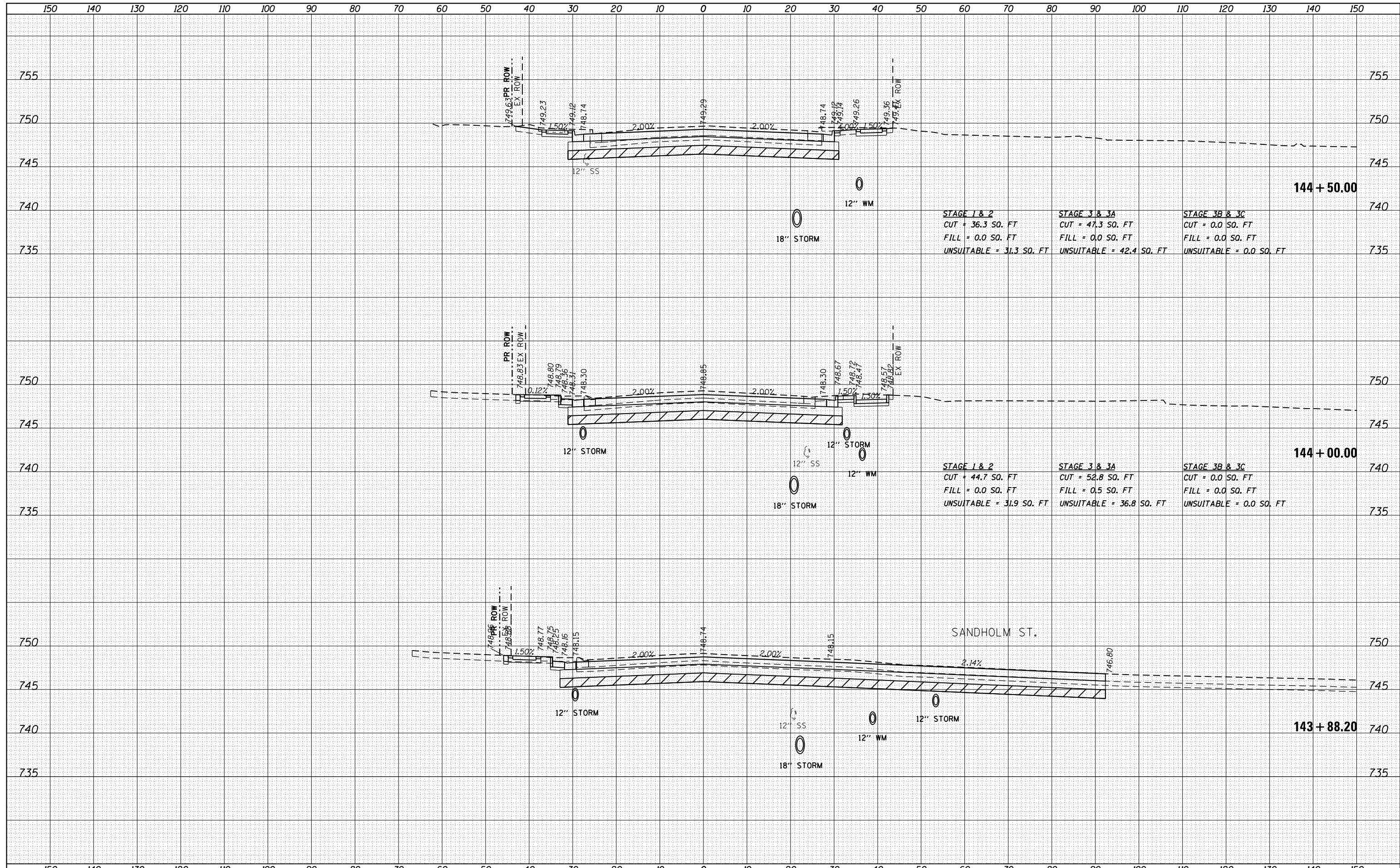


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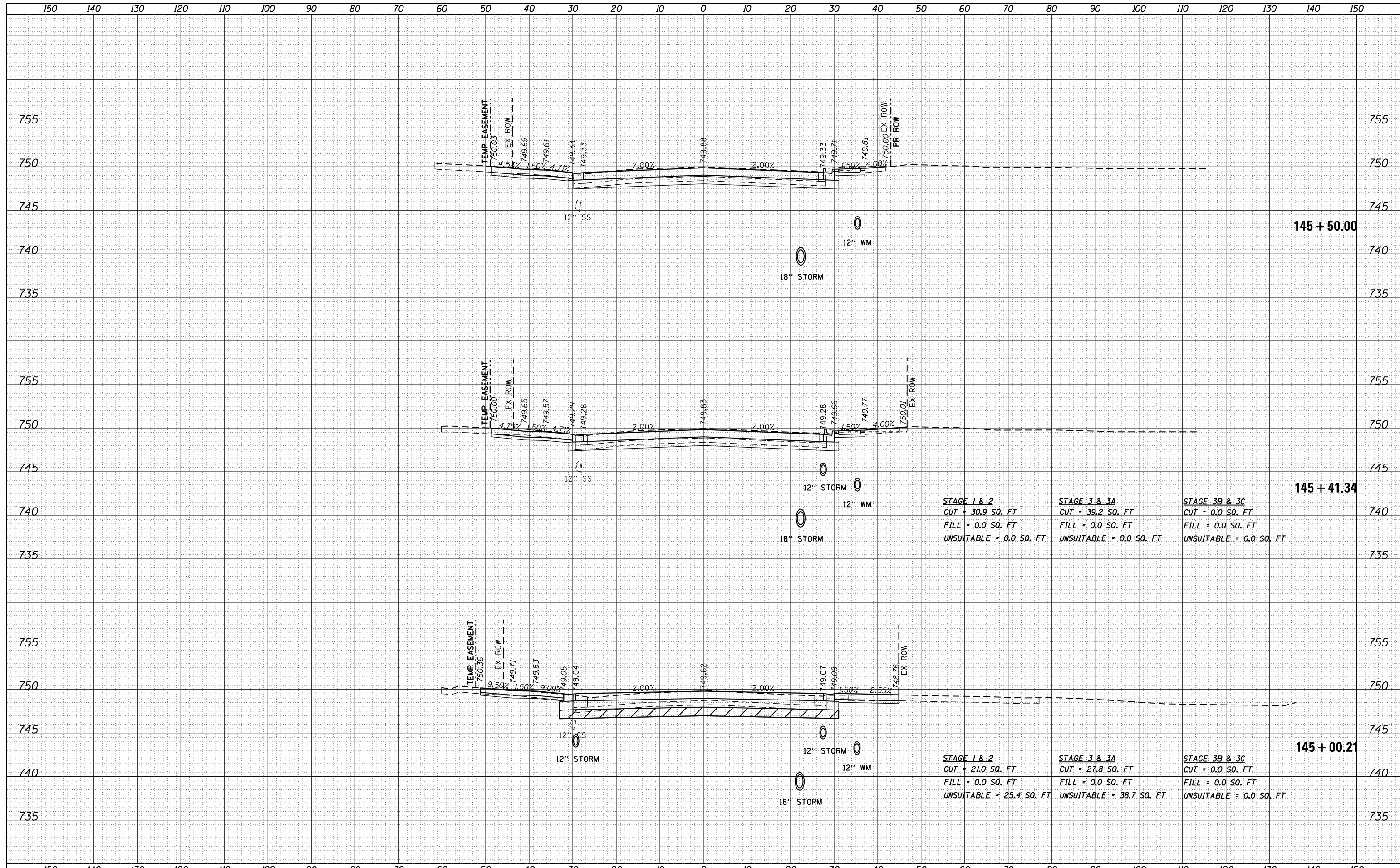
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FILE NAME =	USER NAME = tnestor	DESIGNED - GJE	REVISIED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS ROUTE 38 - EAST STATE STREET</b> <b>CROSS SECTIONS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F:\961-000 Geneva East State St\CADD\Sheets\961-000-SHT_XS_E.STATE.dgn	DRAWN - GJE	REVISIED -	0347			05-00102-00-PV	KANE	488	441	
Default	PLOT SCALE = 20.0000' / in.	CHECKED - DBB	REVISIED -			CONTRACT NO. 61J84				
	PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISIED -			ILLINOIS FED. AID PROJECT				

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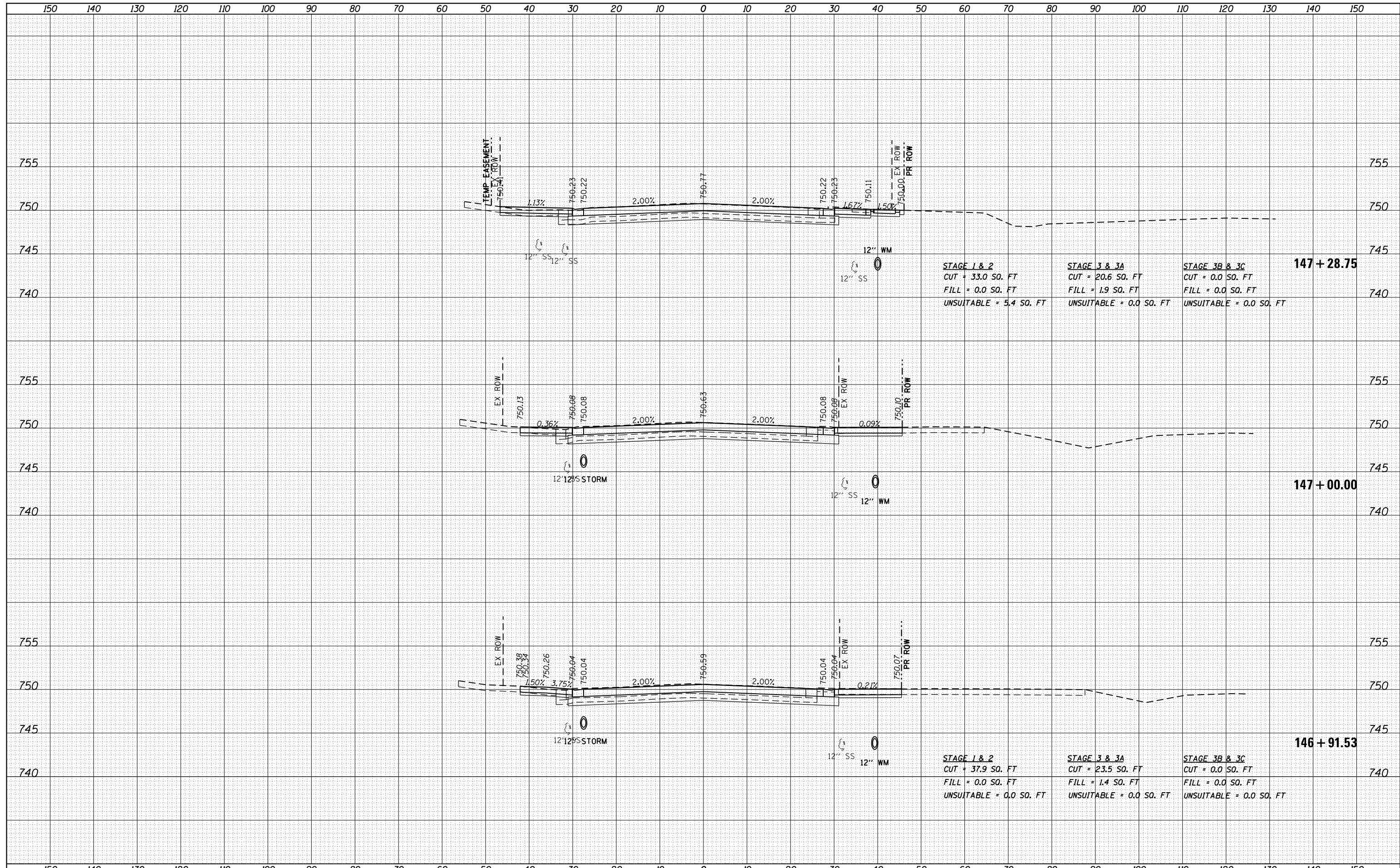


FILE NAME =	USER NAME = tnestor	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS ROUTE 38 - EAST STATE STREET</b> <b>CROSS SECTIONS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F:\961-000 Geneva East State St\CADD\Sheets\961-000-SHT_XS_E.STATE.dgn	DRAWN - GJE	REVISED -	0347					05-00102-00-PV	KANE	488	442	
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	PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -					ILLINOIS FED. AID PROJECT				



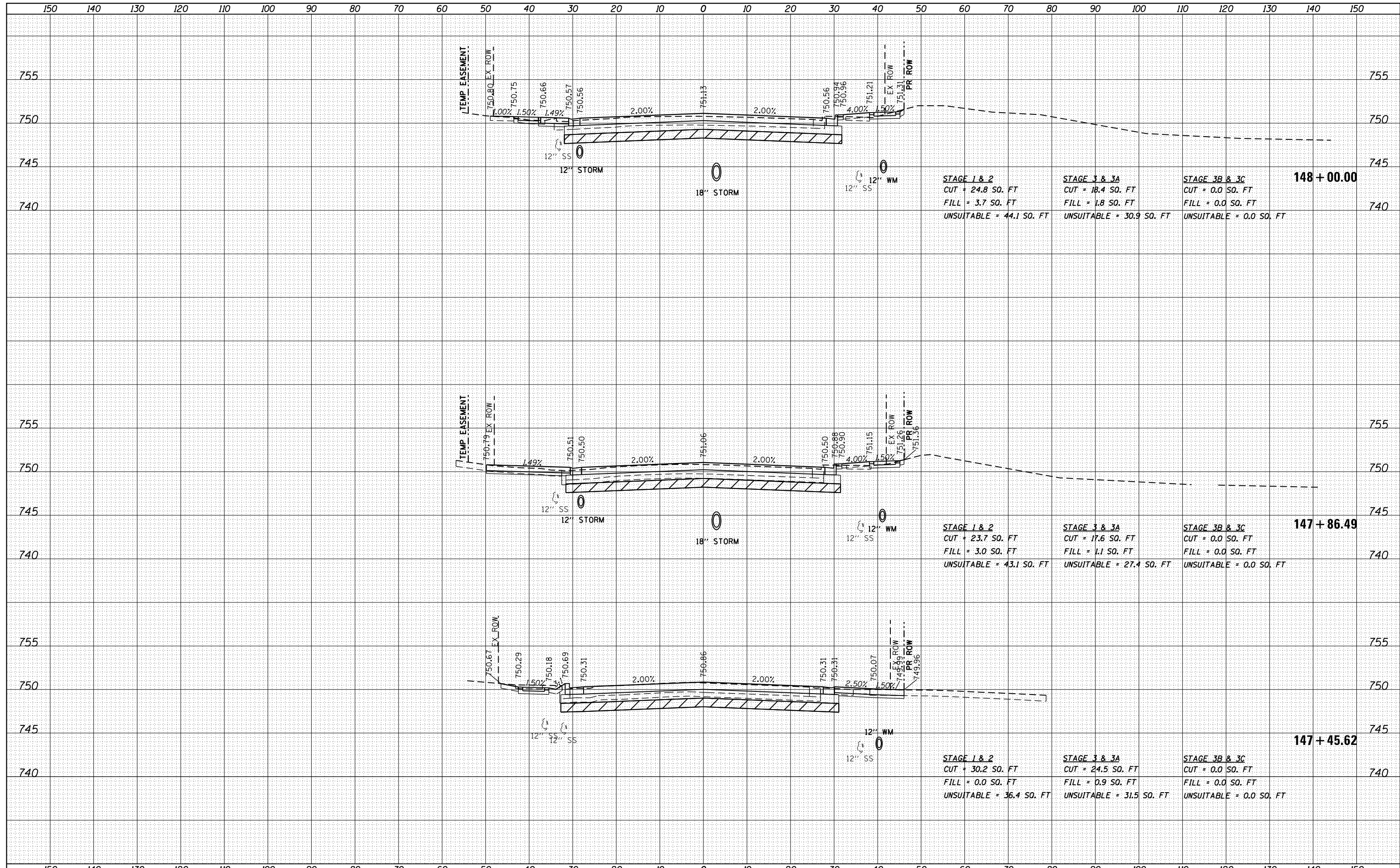
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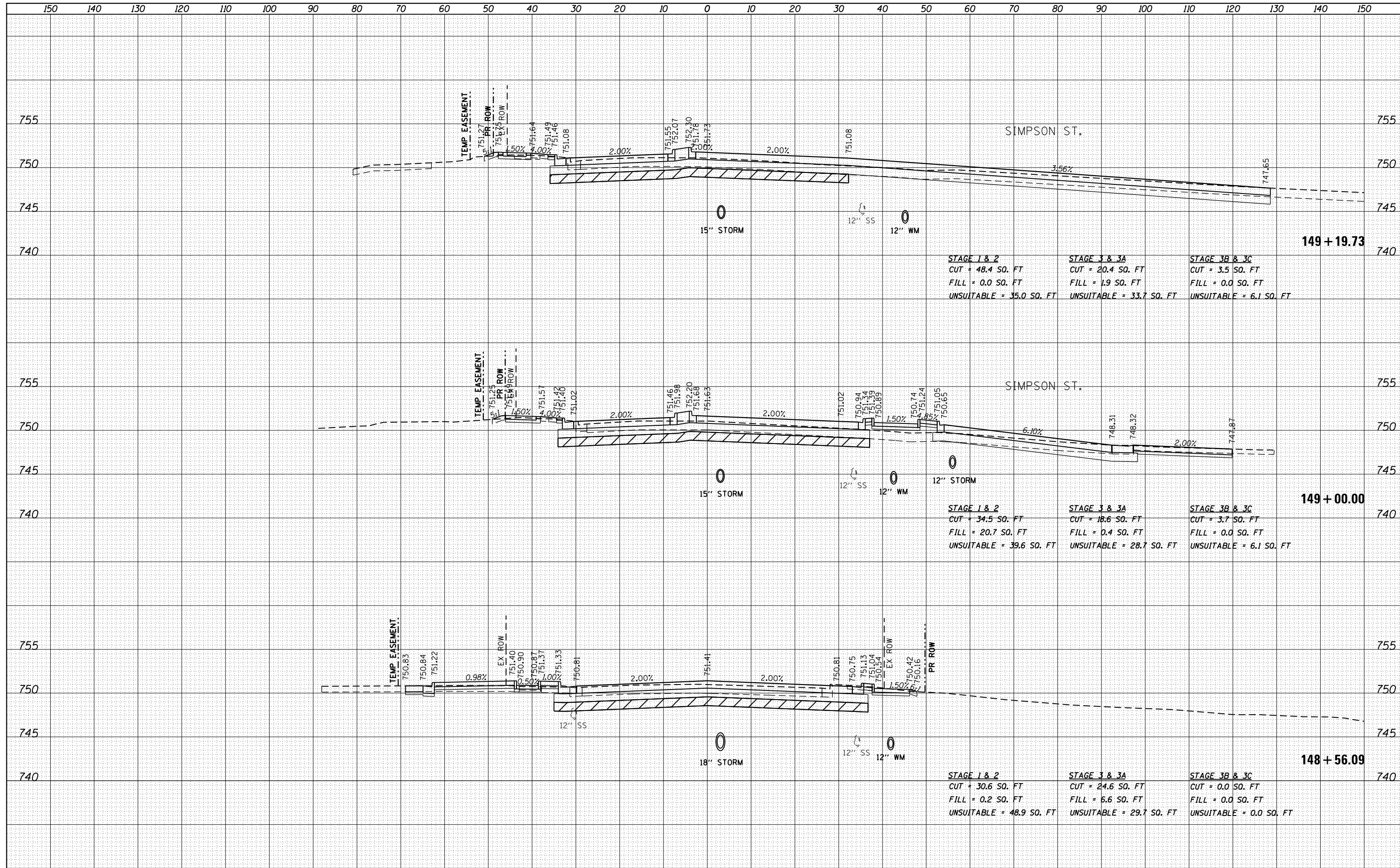


FILE NAME =	USER NAME = tnestor	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS ROUTE 38 - EAST STATE STREET</b> <b>CROSS SECTIONS</b>			F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F:\961-000 Geneva East State St\CADD\Sheets\961-000-SHT_XS_E.STATE.dgn		DRAWN - GJE	REVISED -		SCALE: 1"=5' VT	0347	05-00102-00-PV	KANE	488	445		
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		PLOT DATE = 1/13/2025	DATE - 11/7/2024			STA. 147+56.2 TO STA. 148+00.00			ILLINOIS FED. AID PROJECT			



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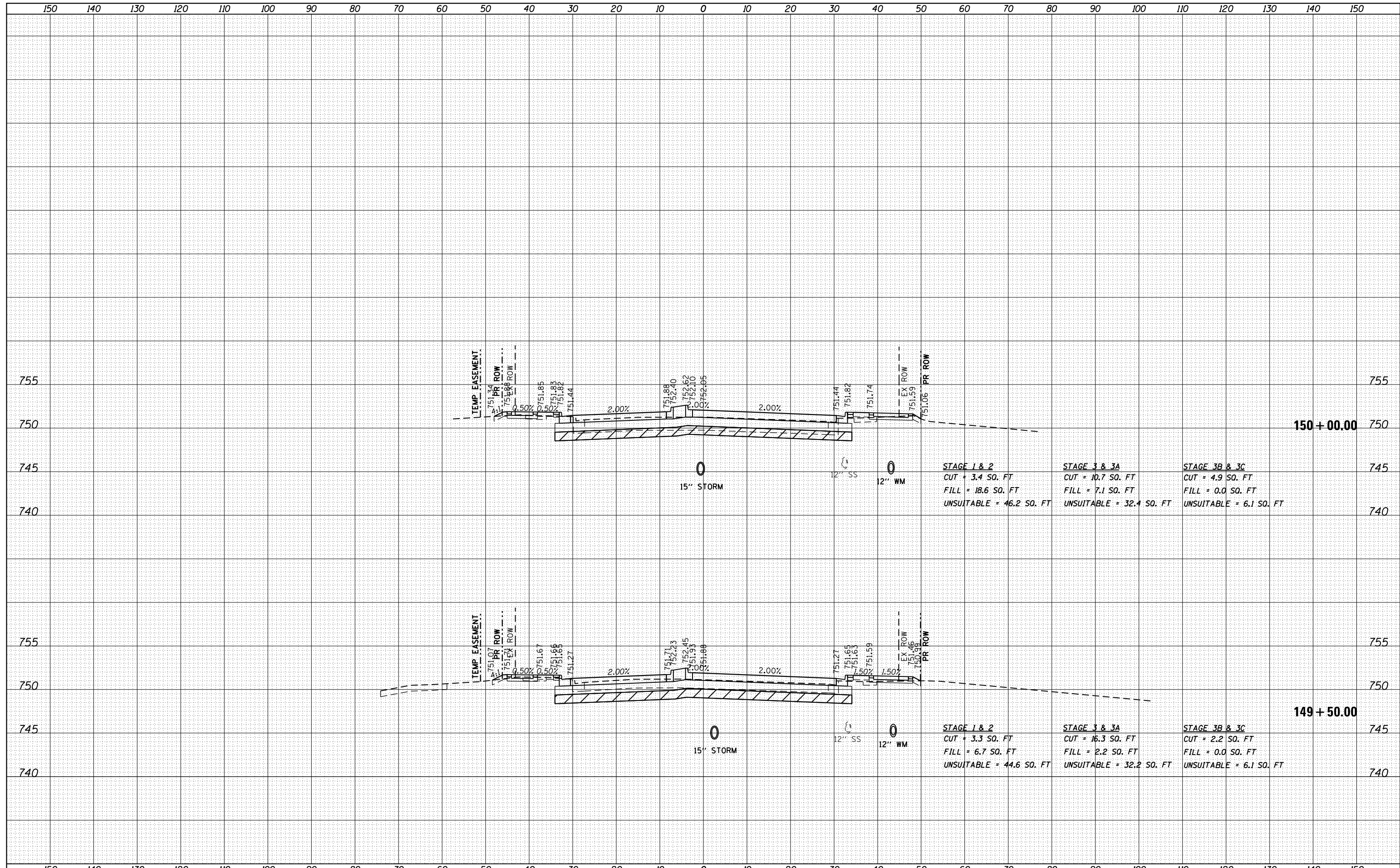
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FILE NAME =	USER NAME = tnestor	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS ROUTE 38 - EAST STATE STREET</b> <b>CROSS SECTIONS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
F:\961-000 Geneva East State St\CADD\Sheets\961-000_SHT_XS_E.STATE.dgn		DRAWN - GJE	REVISED -		SCALE: 1"=5' VT	SCALE: 1"=10' HZ	SHEET 32 OF 62 SHEETS	STA. 148+56.09 TO STA. 149+19.73	0347	05-00102-00-PV	KANE	488	446
Default	PLOT SCALE = 20.0000' / in.	CHECKED - DBB	REVISED -						CONTRACT NO. 61J84				
	PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -						ILLINOIS FED. AID PROJECT				

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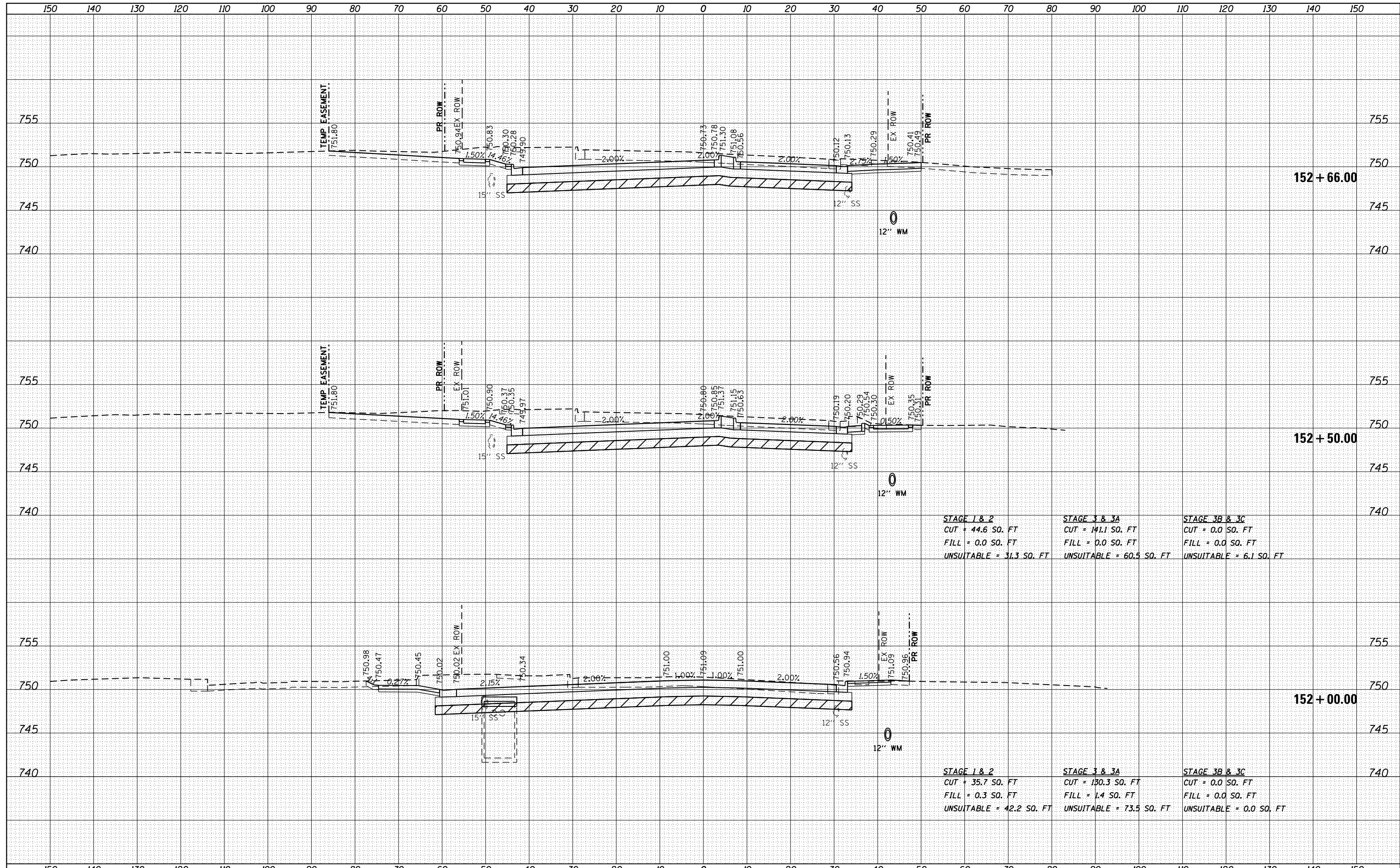
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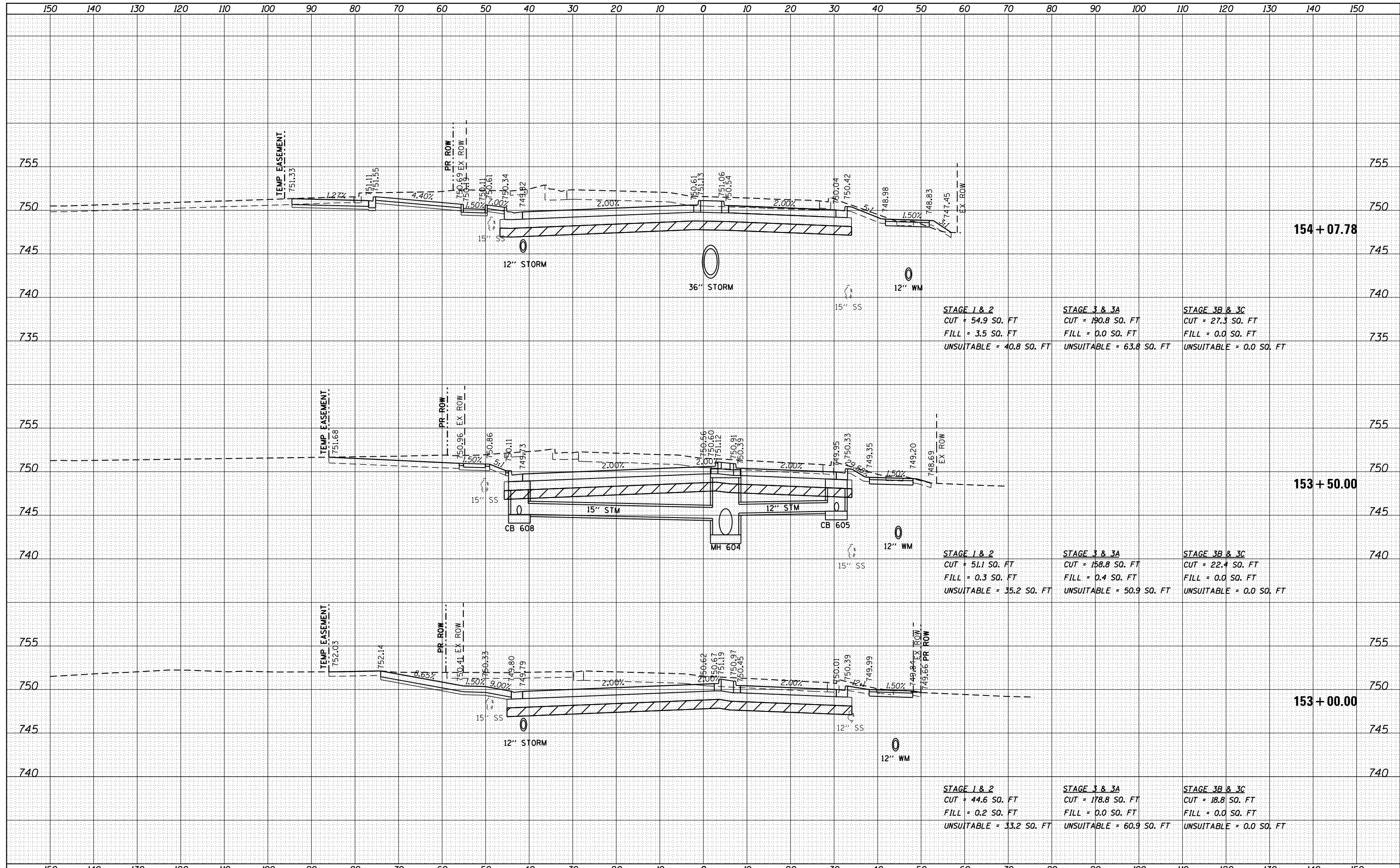


<b>STAGE 1 &amp; 2</b> CUT = 44.6 SO. FT FILL = 0.0 SO. FT UNSUITABLE = 31.3 SO. FT	<b>STAGE 3 &amp; 3A</b> CUT = 141.1 SO. FT FILL = 0.0 SO. FT UNSUITABLE = 60.5 SO. FT	<b>STAGE 3B &amp; 3C</b> CUT = 0.0 SO. FT FILL = 0.0 SO. FT UNSUITABLE = 6.1 SO. FT
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<b>STAGE 1 &amp; 2</b> CUT = 35.7 SO. FT FILL = 0.3 SO. FT UNSUITABLE = 42.2 SO. FT	<b>STAGE 3 &amp; 3A</b> CUT = 130.3 SO. FT FILL = 1.4 SO. FT UNSUITABLE = 73.5 SO. FT	<b>STAGE 3B &amp; 3C</b> CUT = 0.0 SO. FT FILL = 0.0 SO. FT UNSUITABLE = 0.0 SO. FT
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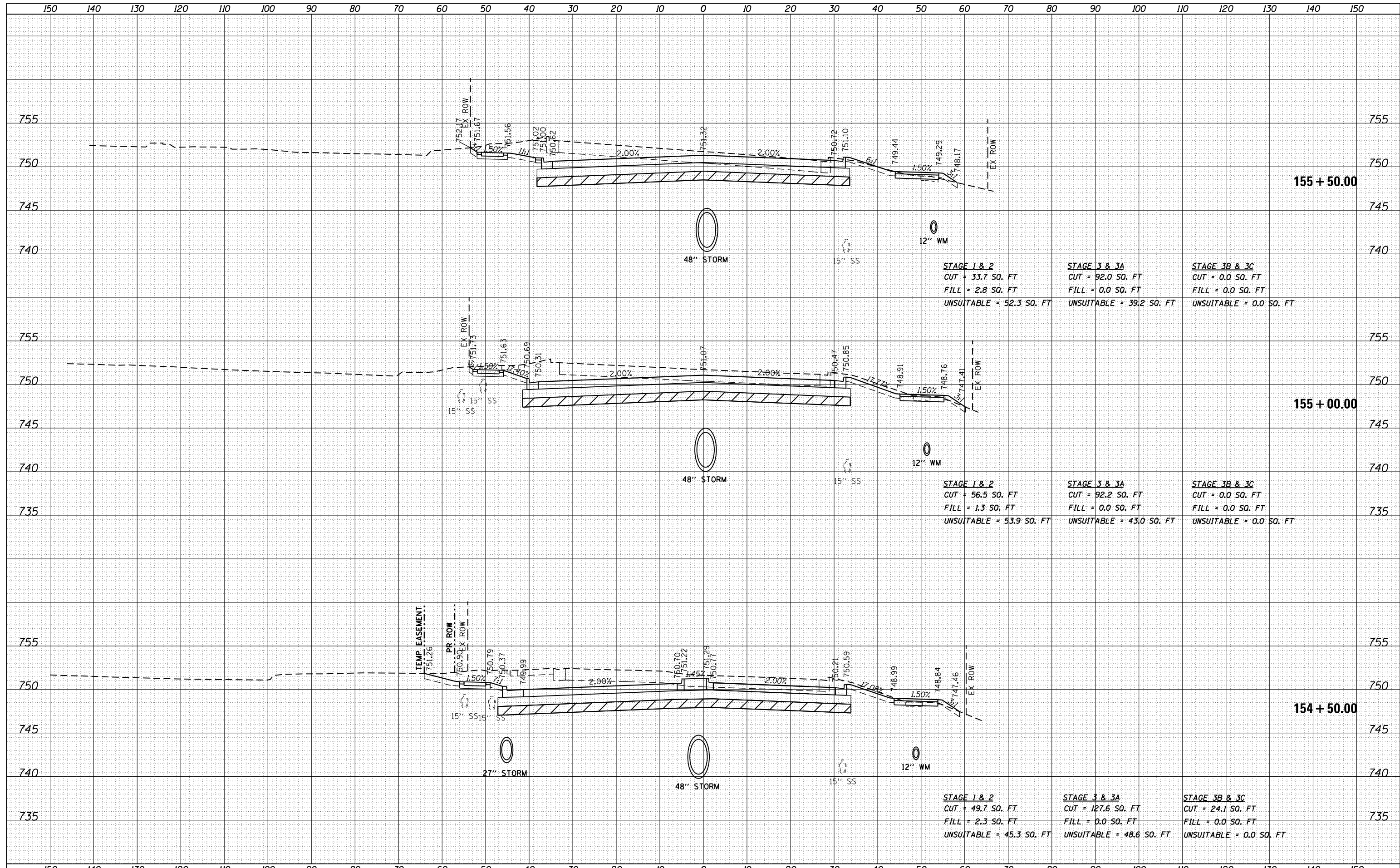
STAGE 1 & 2	STAGE 3 & 3A	STAGE 3B & 3C
CUT = 54.9 SQ. FT	CUT = 190.8 SQ. FT	CUT = 27.3 SQ. FT
FILL = 3.5 SQ. FT	FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 40.8 SQ. FT	UNSUITABLE = 63.8 SQ. FT	UNSUITABLE = 0.0 SQ. FT

STAGE 1 & 2	STAGE 3 & 3A	STAGE 3B & 3C
CUT = 51.1 SQ. FT	CUT = 158.8 SQ. FT	CUT = 22.4 SQ. FT
FILL = 0.3 SQ. FT	FILL = 0.4 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 35.2 SQ. FT	UNSUITABLE = 50.9 SQ. FT	UNSUITABLE = 0.0 SQ. FT

STAGE 1 & 2	STAGE 3 & 3A	STAGE 3B & 3C
CUT = 44.6 SQ. FT	CUT = 178.8 SQ. FT	CUT = 18.8 SQ. FT
FILL = 0.2 SQ. FT	FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 33.2 SQ. FT	UNSUITABLE = 60.9 SQ. FT	UNSUITABLE = 0.0 SQ. FT

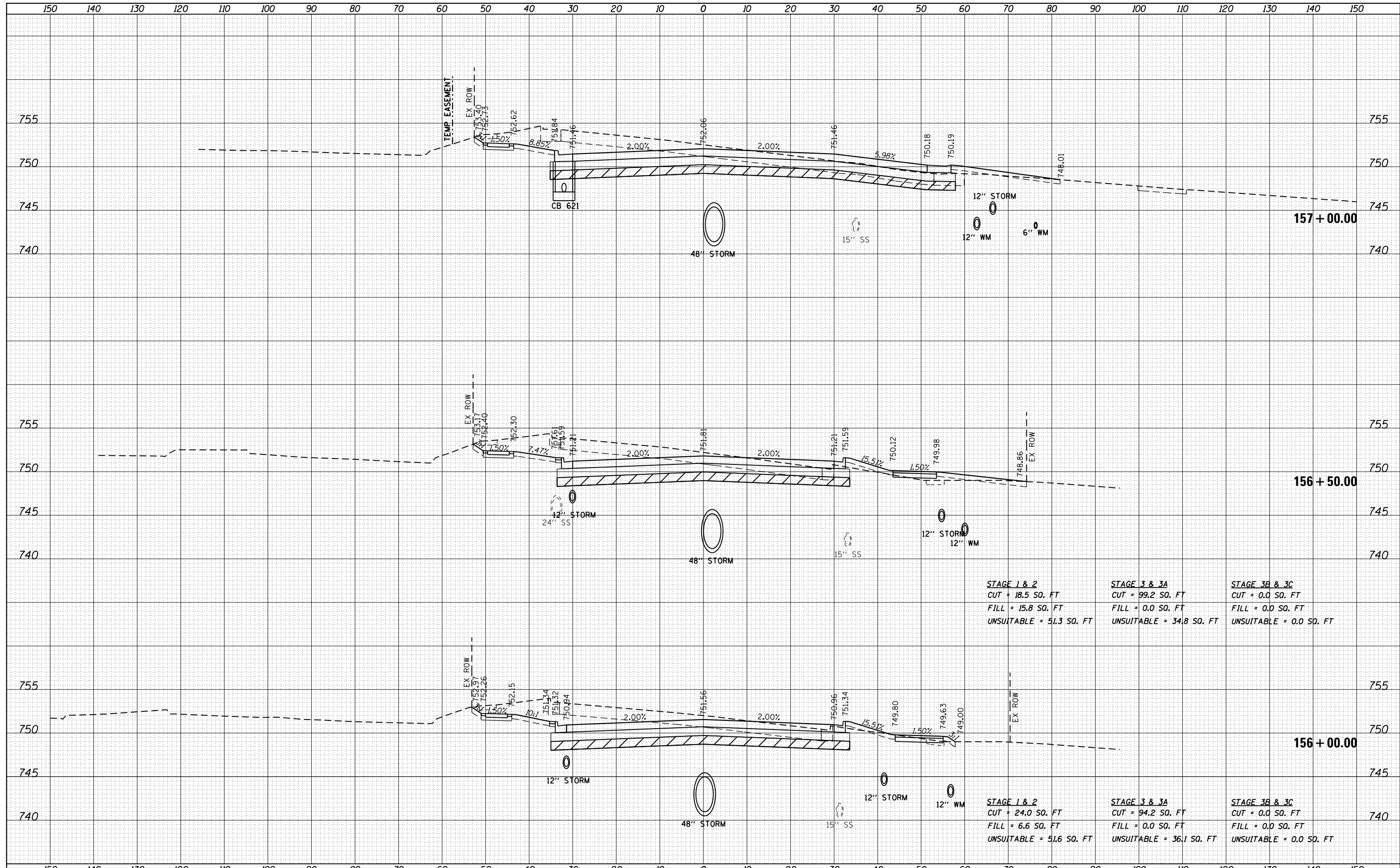
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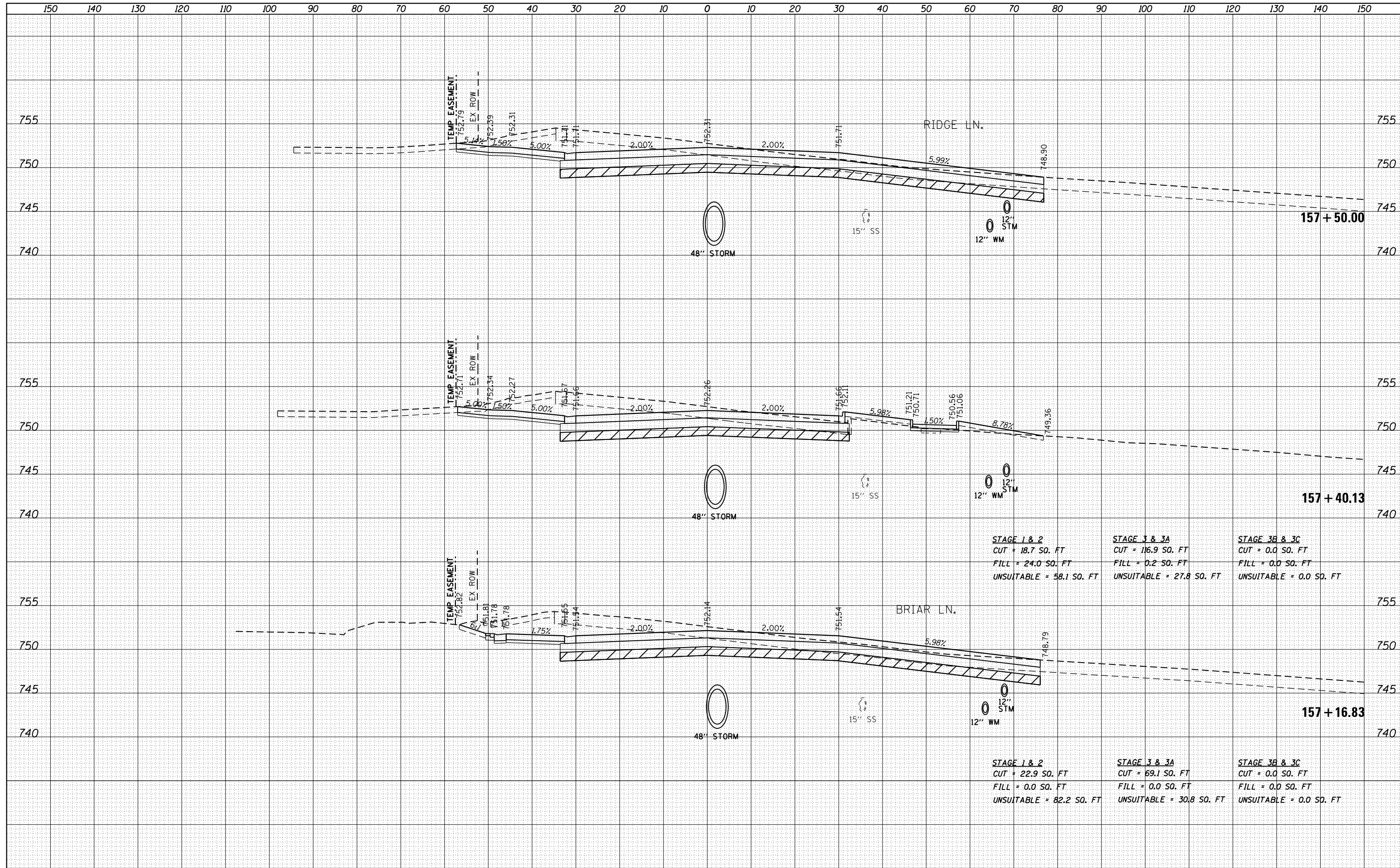
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FILE NAME =	USER NAME = tnestor	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS ROUTE 38 - EAST STATE STREET</b> <b>CROSS SECTIONS</b>	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
F:\961-000 Geneva East State St\CADD\Sheets\961-000_SHT_XS_E.STATE.dgn	PLOT SCALE = 20.0000' / in.	DRAWN - GJE	REVISED -			0347	05-00102-00-PV	KANE	488	452	
Default	PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -			CONTRACT NO. 61J84					
		DATE - 11/7/2024	REVISED -			ILLINOIS FED. AID PROJECT					

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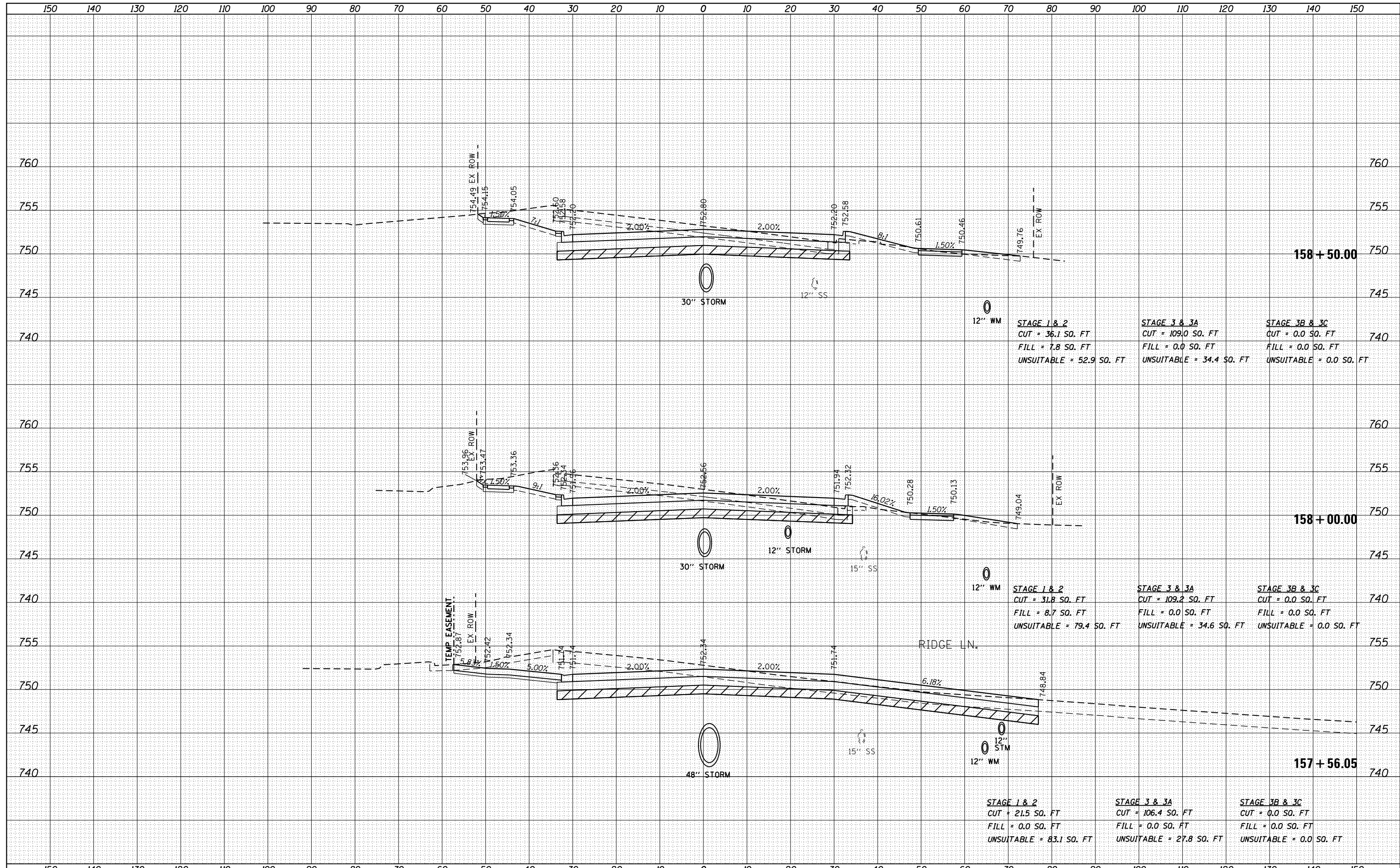
STAGE 1 & 2	STAGE 3 & 3A	STAGE 3B & 3C
CUT = 18.7 SQ. FT	CUT = 116.9 SQ. FT	CUT = 0.0 SQ. FT
FILL = 24.0 SQ. FT	FILL = 0.2 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 58.1 SQ. FT	UNSUITABLE = 27.8 SQ. FT	UNSUITABLE = 0.0 SQ. FT

STAGE 1 & 2	STAGE 3 & 3A	STAGE 3B & 3C
CUT = 22.9 SQ. FT	CUT = 69.1 SQ. FT	CUT = 0.0 SQ. FT
FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 82.2 SQ. FT	UNSUITABLE = 30.8 SQ. FT	UNSUITABLE = 0.0 SQ. FT



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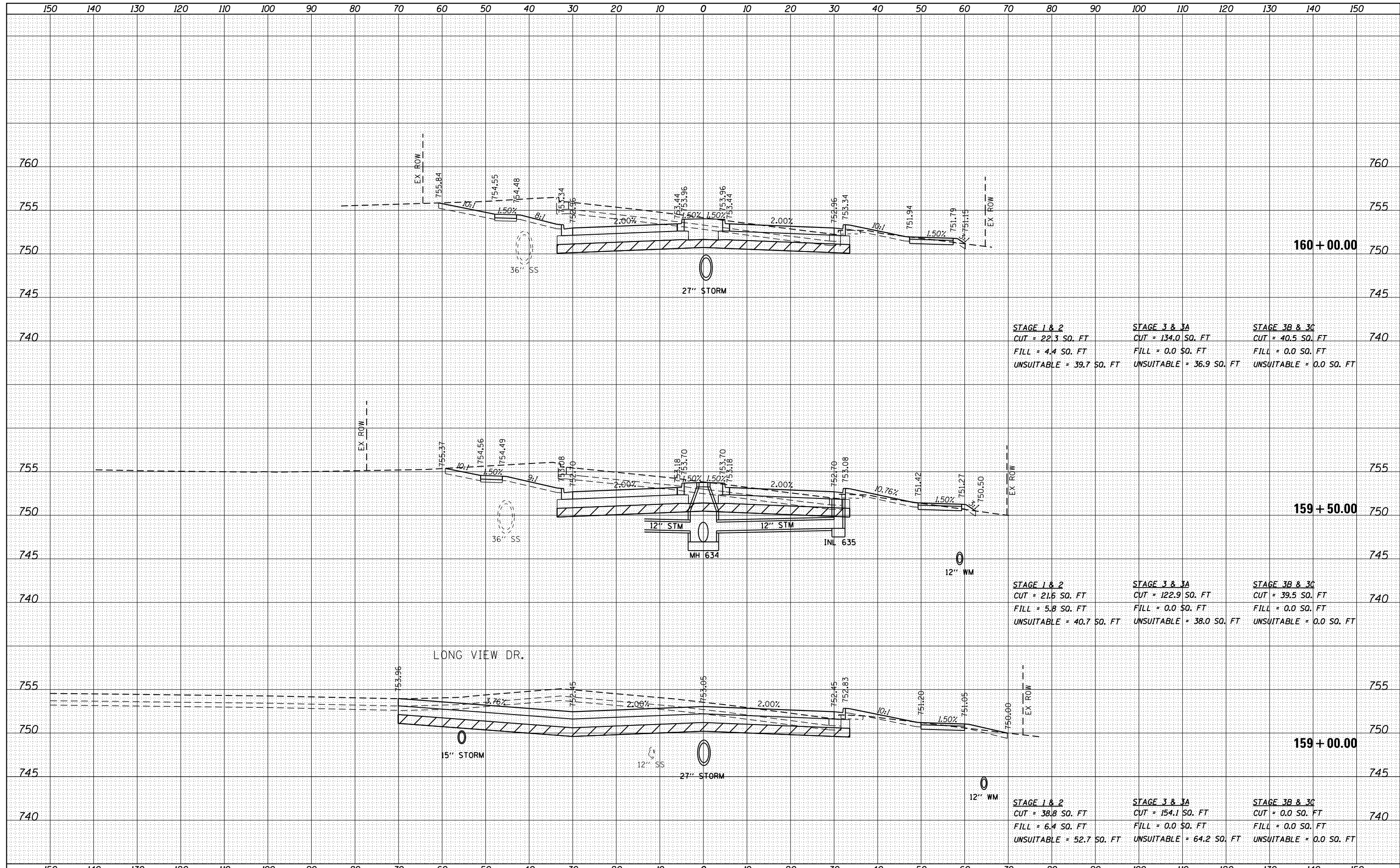
<b>STAGE 1 &amp; 2</b>	<b>STAGE 3 &amp; 3A</b>	<b>STAGE 3B &amp; 3C</b>
CUT = 36.1 SQ. FT	CUT = 109.0 SQ. FT	CUT = 0.0 SQ. FT
FILL = 7.8 SQ. FT	FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 52.9 SQ. FT	UNSUITABLE = 34.4 SQ. FT	UNSUITABLE = 0.0 SQ. FT

<b>STAGE 1 &amp; 2</b>	<b>STAGE 3 &amp; 3A</b>	<b>STAGE 3B &amp; 3C</b>
CUT = 31.8 SQ. FT	CUT = 109.2 SQ. FT	CUT = 0.0 SQ. FT
FILL = 8.7 SQ. FT	FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 79.4 SQ. FT	UNSUITABLE = 34.6 SQ. FT	UNSUITABLE = 0.0 SQ. FT

<b>STAGE 1 &amp; 2</b>	<b>STAGE 3 &amp; 3A</b>	<b>STAGE 3B &amp; 3C</b>
CUT = 21.5 SQ. FT	CUT = 106.4 SQ. FT	CUT = 0.0 SQ. FT
FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 83.1 SQ. FT	UNSUITABLE = 27.8 SQ. FT	UNSUITABLE = 0.0 SQ. FT

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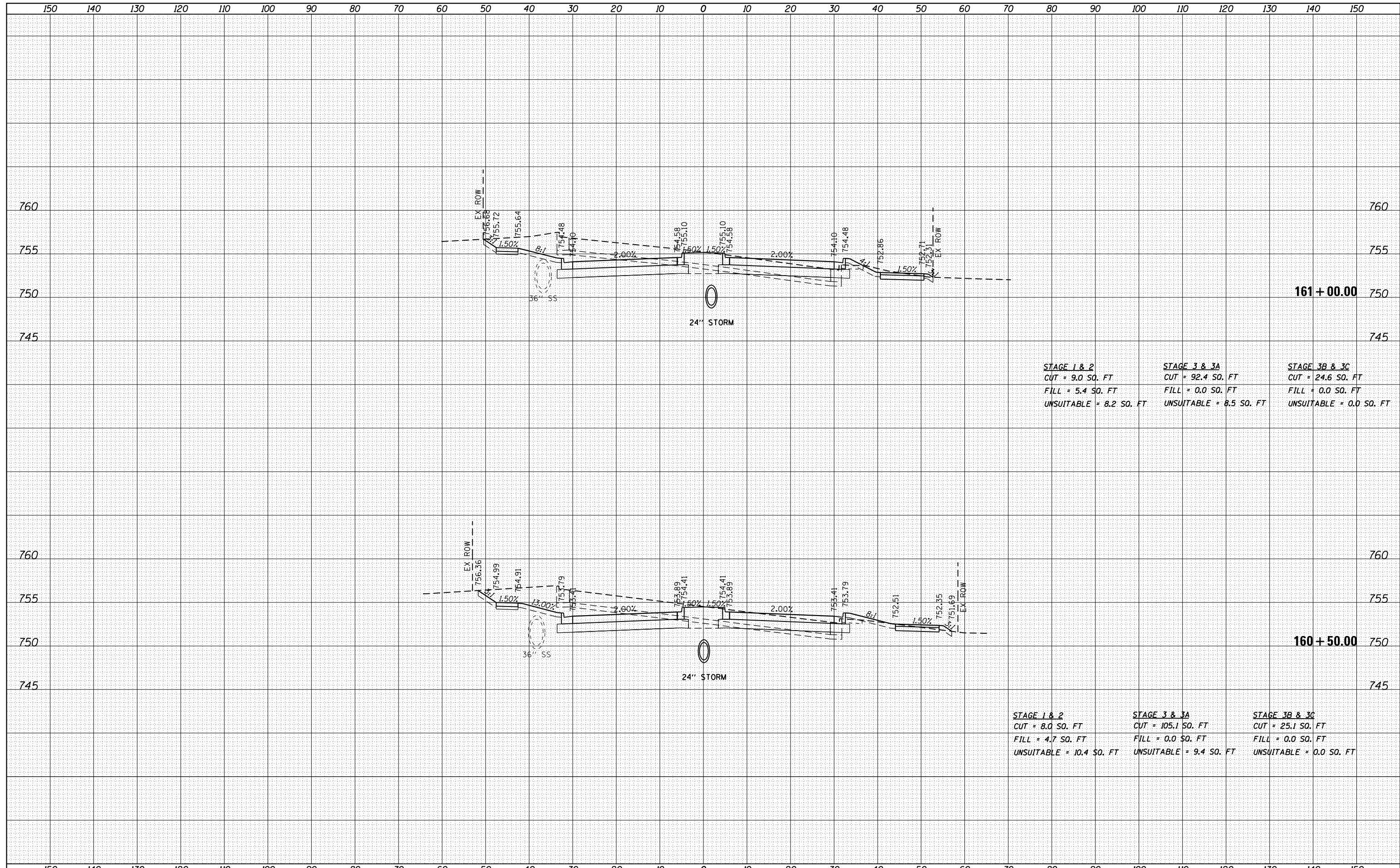
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FILE NAME =	USER NAME = tnestor	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS ROUTE 38 - EAST STATE STREET</b> <b>CROSS SECTIONS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
F:\961-000 Geneva East State St\CADD\Sheets\961-000-SHT_XS_E.STATE.dgn	PLOT SCALE = 20.0000' / in.	DRAWN - GJE	REVISED -			0347	05-00102-00-PV	KANE	488	455	
Default	PLOT DATE = 1/13/2025	CHECKED - DBB	REVISED -			CONTRACT NO. 61J84					
		DATE - 11/7/2024	REVISED -			ILLINOIS FED. AID PROJECT					

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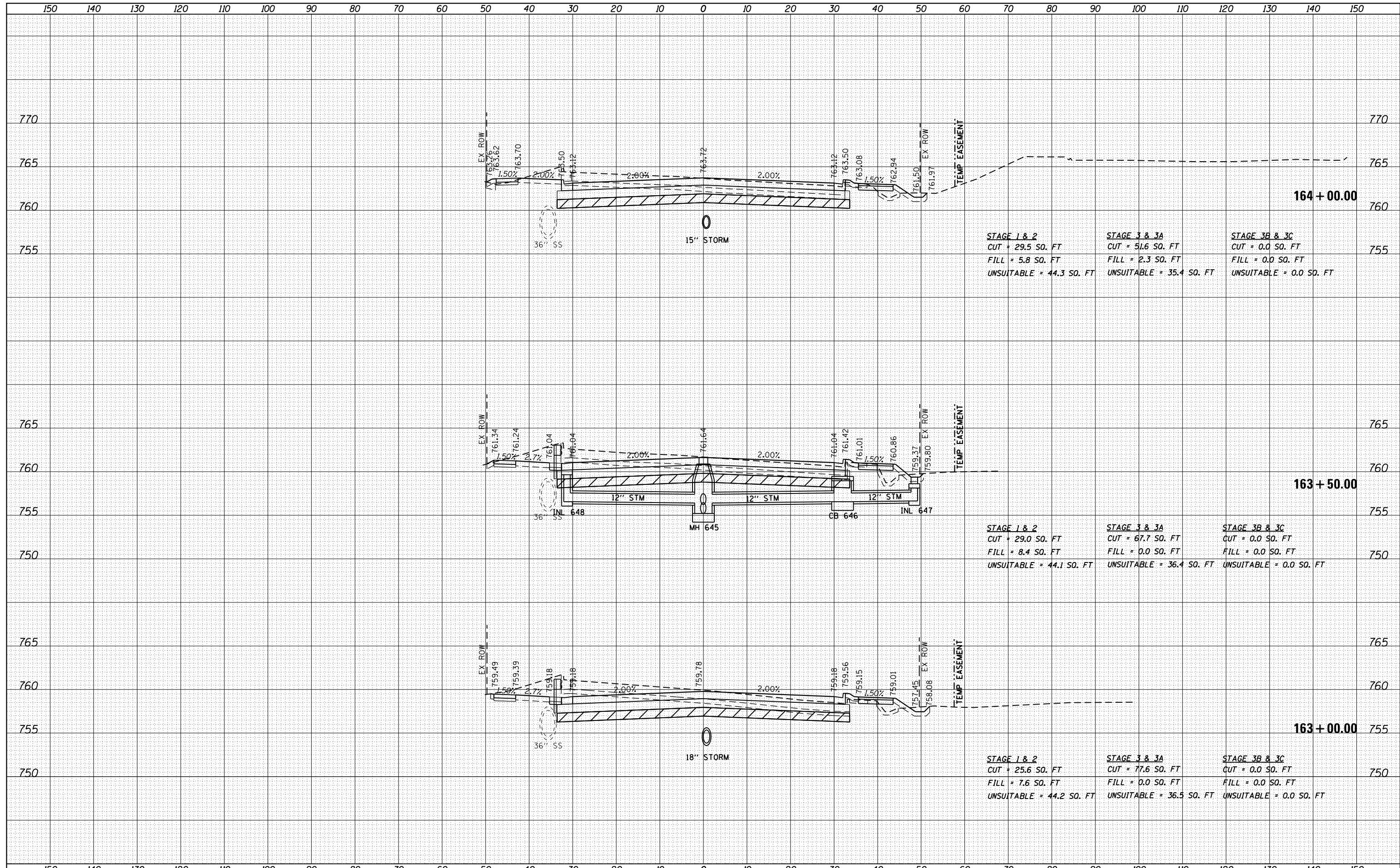
<b>STAGE 1 &amp; 2</b> CUT = 9.0 SQ. FT FILL = 5.4 SQ. FT UNSUITABLE = 8.2 SQ. FT	<b>STAGE 3 &amp; 3A</b> CUT = 92.4 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 8.5 SQ. FT	<b>STAGE 3B &amp; 3C</b> CUT = 24.6 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 0.0 SQ. FT
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<b>STAGE 1 &amp; 2</b> CUT = 8.0 SQ. FT FILL = 4.7 SQ. FT UNSUITABLE = 10.4 SQ. FT	<b>STAGE 3 &amp; 3A</b> CUT = 105.1 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 9.4 SQ. FT	<b>STAGE 3B &amp; 3C</b> CUT = 25.1 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 0.0 SQ. FT
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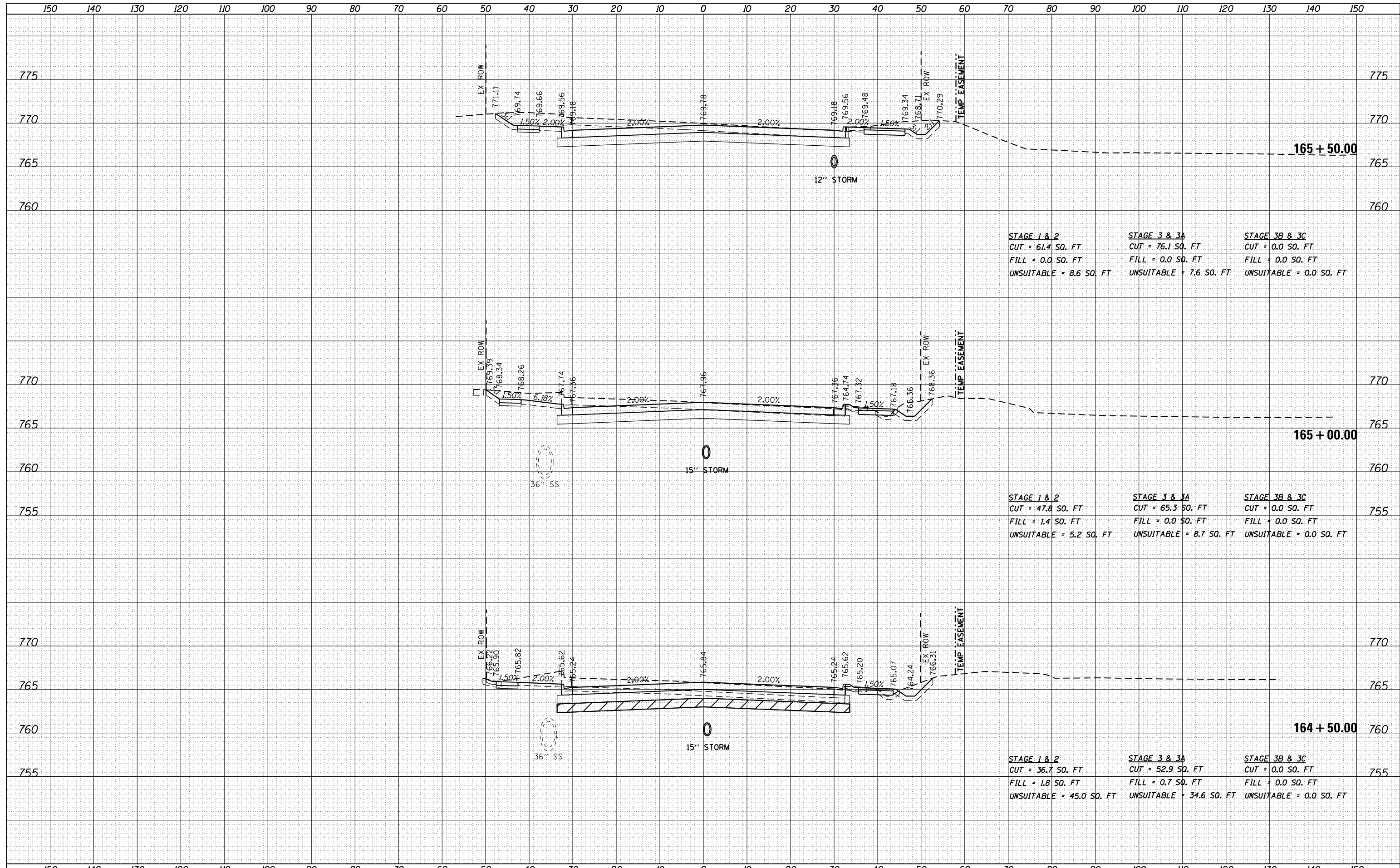
<b>STAGE 1 &amp; 2</b>	<b>STAGE 3 &amp; 3A</b>	<b>STAGE 3B &amp; 3C</b>
CUT = 29.5 SO. FT	CUT = 51.6 SO. FT	CUT = 0.0 SO. FT
FILL = 5.8 SO. FT	FILL = 2.3 SO. FT	FILL = 0.0 SO. FT
UNSUITABLE = 44.3 SO. FT	UNSUITABLE = 35.4 SO. FT	UNSUITABLE = 0.0 SO. FT

<b>STAGE 1 &amp; 2</b>	<b>STAGE 3 &amp; 3A</b>	<b>STAGE 3B &amp; 3C</b>
CUT = 29.0 SO. FT	CUT = 67.7 SO. FT	CUT = 0.0 SO. FT
FILL = 8.4 SO. FT	FILL = 0.0 SO. FT	FILL = 0.0 SO. FT
UNSUITABLE = 44.1 SO. FT	UNSUITABLE = 36.4 SO. FT	UNSUITABLE = 0.0 SO. FT

<b>STAGE 1 &amp; 2</b>	<b>STAGE 3 &amp; 3A</b>	<b>STAGE 3B &amp; 3C</b>
CUT = 25.6 SO. FT	CUT = 77.6 SO. FT	CUT = 0.0 SO. FT
FILL = 7.6 SO. FT	FILL = 0.0 SO. FT	FILL = 0.0 SO. FT
UNSUITABLE = 44.2 SO. FT	UNSUITABLE = 36.5 SO. FT	UNSUITABLE = 0.0 SO. FT

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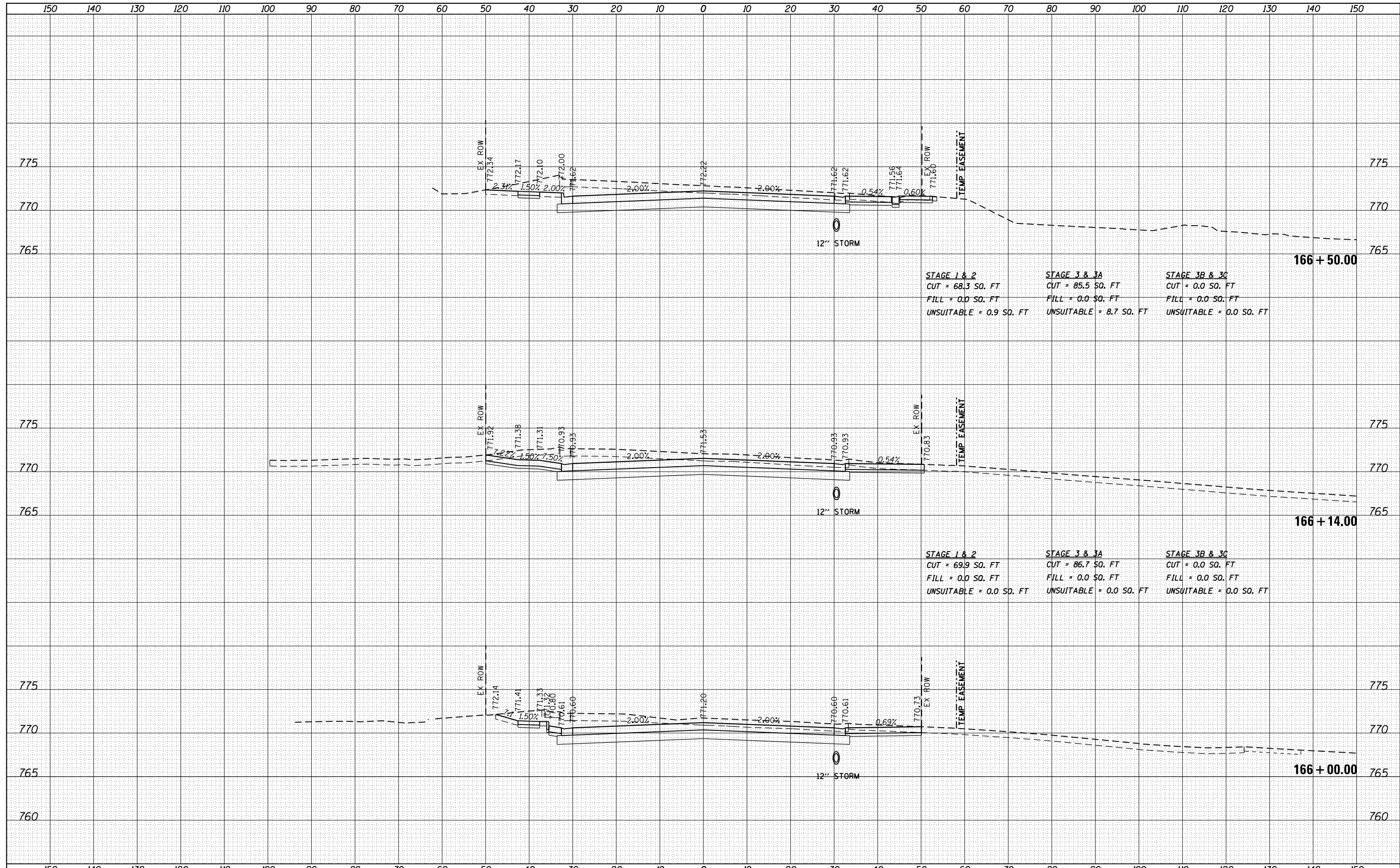
STAGE 1 & 2	STAGE 3 & 3A	STAGE 3B & 3C
CUT = 61.4 SQ. FT	CUT = 76.1 SQ. FT	CUT = 0.0 SQ. FT
FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 8.6 SQ. FT	UNSUITABLE = 7.6 SQ. FT	UNSUITABLE = 0.0 SQ. FT

STAGE 1 & 2	STAGE 3 & 3A	STAGE 3B & 3C
CUT = 47.8 SQ. FT	CUT = 65.3 SQ. FT	CUT = 0.0 SQ. FT
FILL = 1.4 SQ. FT	FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 5.2 SQ. FT	UNSUITABLE = 8.7 SQ. FT	UNSUITABLE = 0.0 SQ. FT

STAGE 1 & 2	STAGE 3 & 3A	STAGE 3B & 3C
CUT = 36.7 SQ. FT	CUT = 52.9 SQ. FT	CUT = 0.0 SQ. FT
FILL = 1.8 SQ. FT	FILL = 0.7 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 45.0 SQ. FT	UNSUITABLE = 34.6 SQ. FT	UNSUITABLE = 0.0 SQ. FT

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<b>STAGE 1 &amp; 2</b>	<b>STAGE 3 &amp; 3A</b>	<b>STAGE 3B &amp; 3C</b>
CUT = 68.3 SQ. FT	CUT = 85.5 SQ. FT	CUT = 0.0 SQ. FT
FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 0.9 SQ. FT	UNSUITABLE = 8.7 SQ. FT	UNSUITABLE = 0.0 SQ. FT

<b>STAGE 1 &amp; 2</b>	<b>STAGE 3 &amp; 3A</b>	<b>STAGE 3B &amp; 3C</b>
CUT = 69.9 SQ. FT	CUT = 86.7 SQ. FT	CUT = 0.0 SQ. FT
FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT	FILL = 0.0 SQ. FT
UNSUITABLE = 0.0 SQ. FT	UNSUITABLE = 0.0 SQ. FT	UNSUITABLE = 0.0 SQ. FT

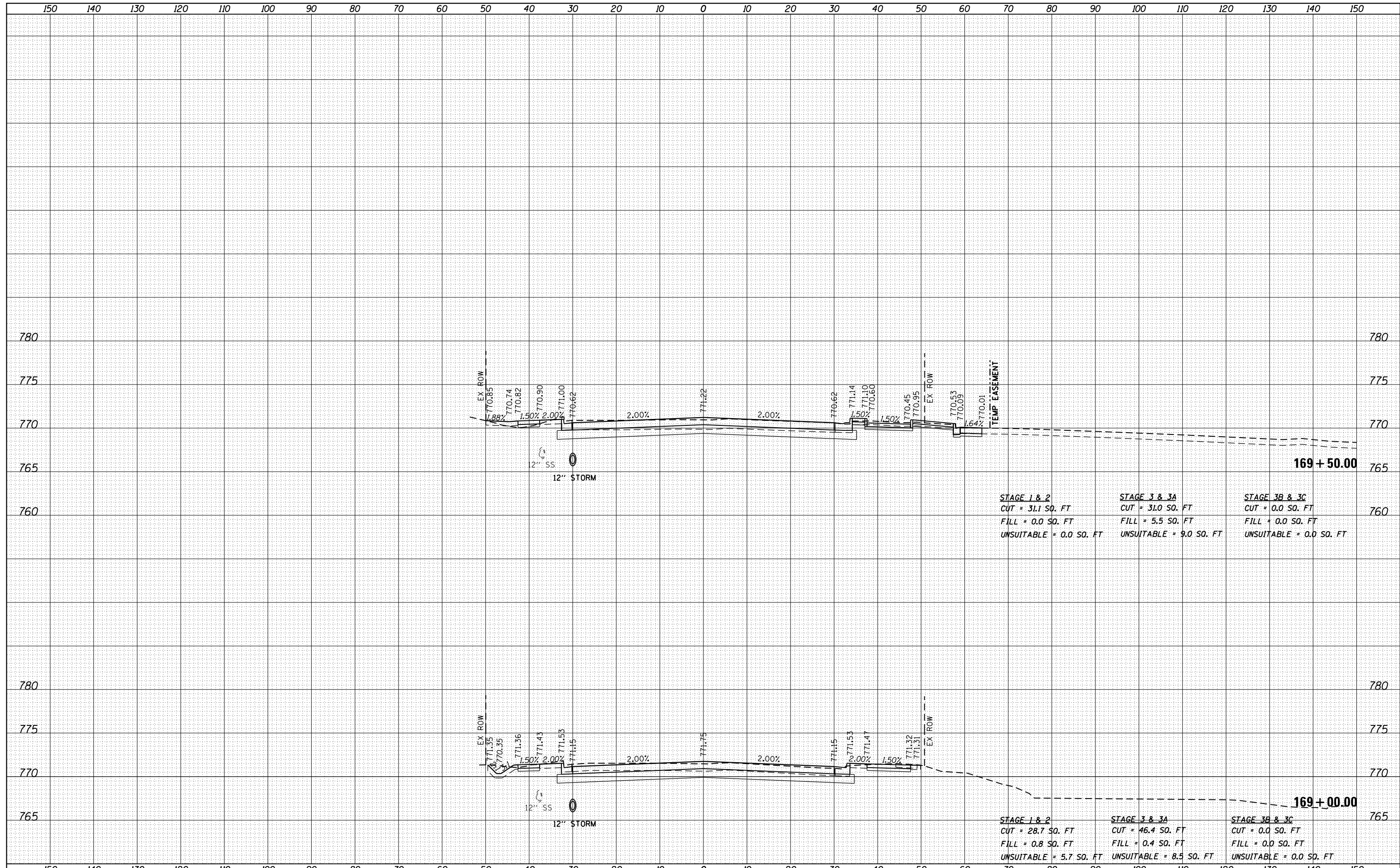






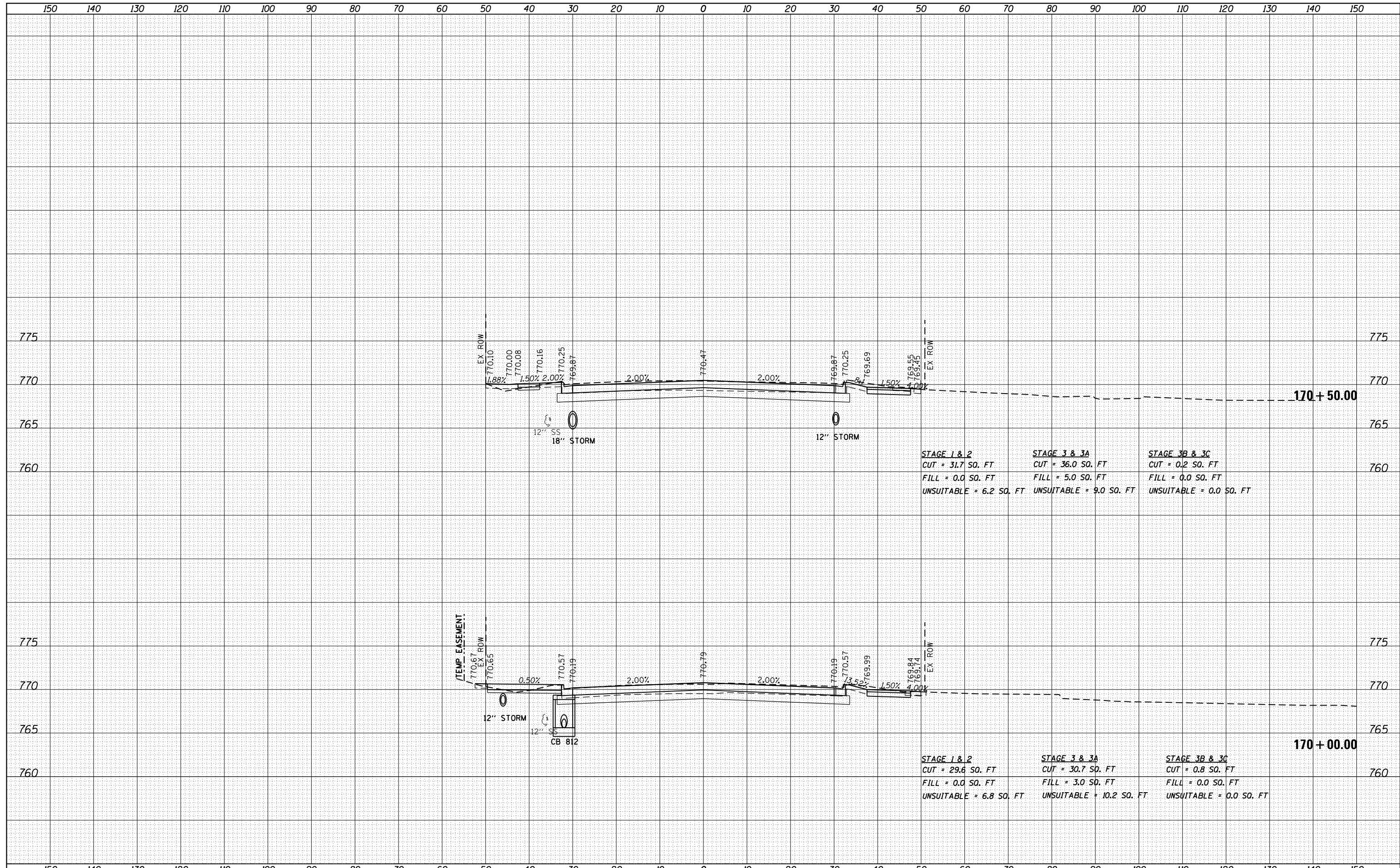
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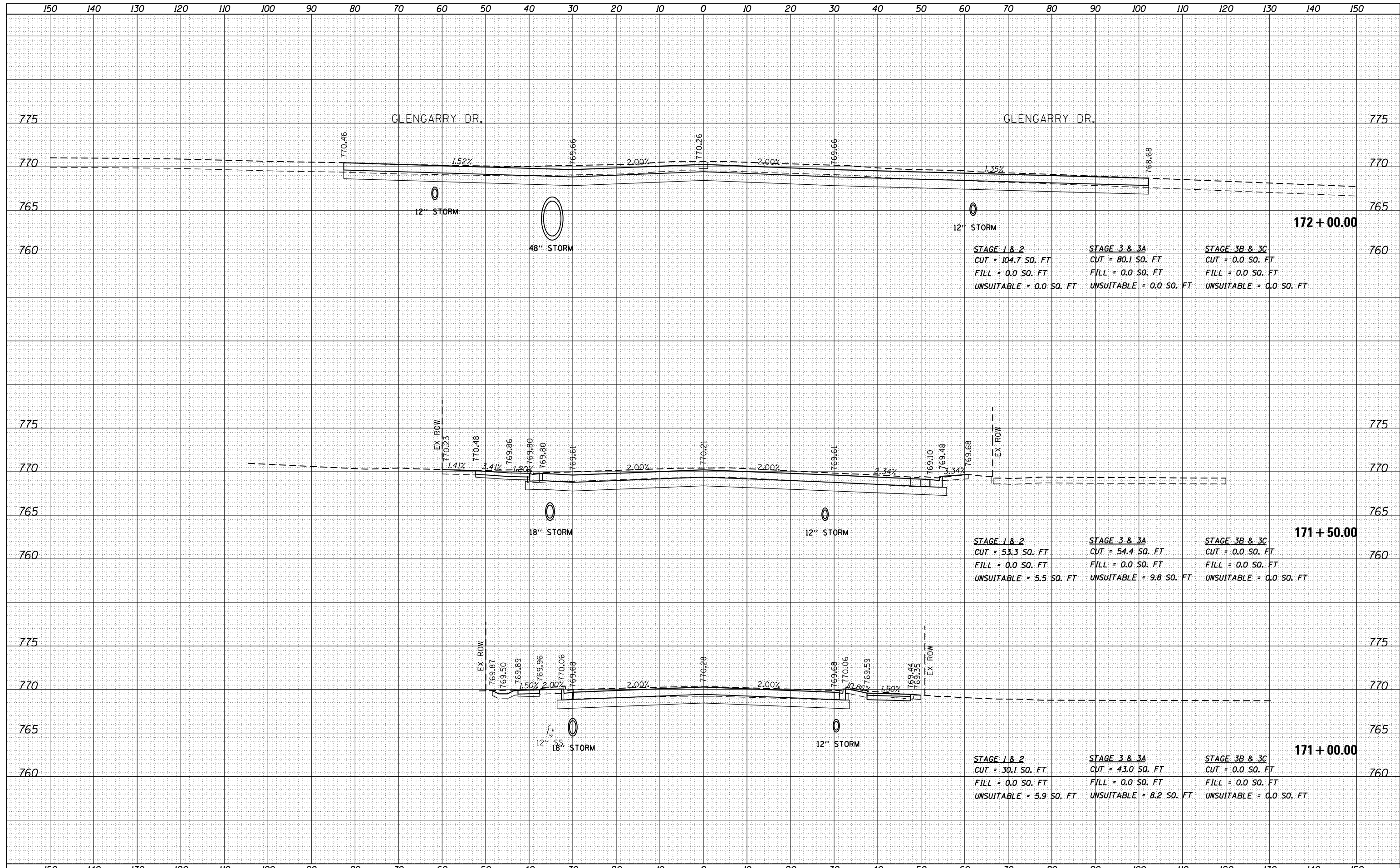


<b>STAGE 1 &amp; 2</b> CUT = 31.7 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 6.2 SQ. FT	<b>STAGE 3 &amp; 3A</b> CUT = 36.0 SQ. FT FILL = 5.0 SQ. FT UNSUITABLE = 9.0 SQ. FT	<b>STAGE 3B &amp; 3C</b> CUT = 0.2 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 0.0 SQ. FT
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<b>STAGE 1 &amp; 2</b> CUT = 29.6 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 6.8 SQ. FT	<b>STAGE 3 &amp; 3A</b> CUT = 30.7 SQ. FT FILL = 3.0 SQ. FT UNSUITABLE = 10.2 SQ. FT	<b>STAGE 3B &amp; 3C</b> CUT = 0.8 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 0.0 SQ. FT
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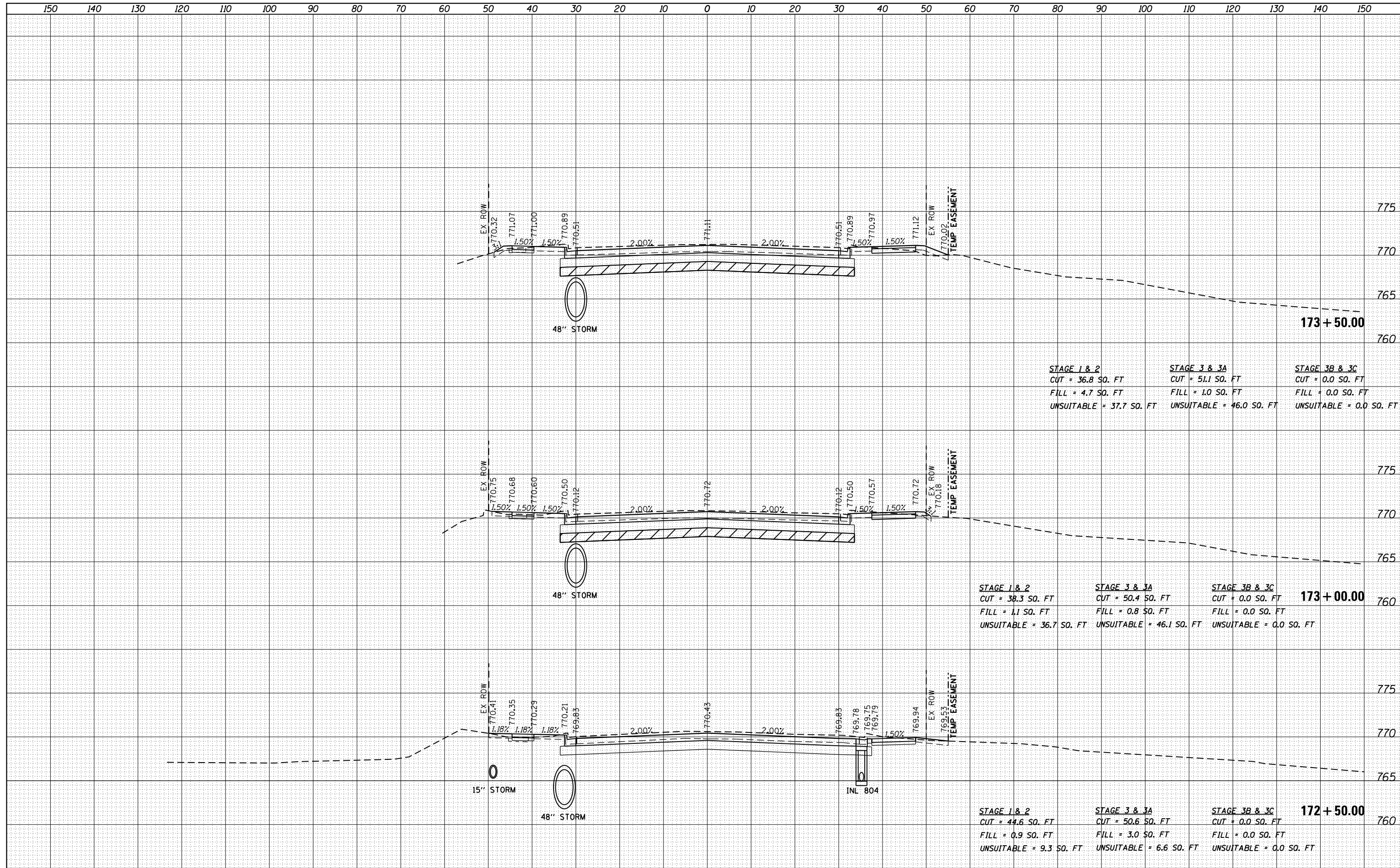
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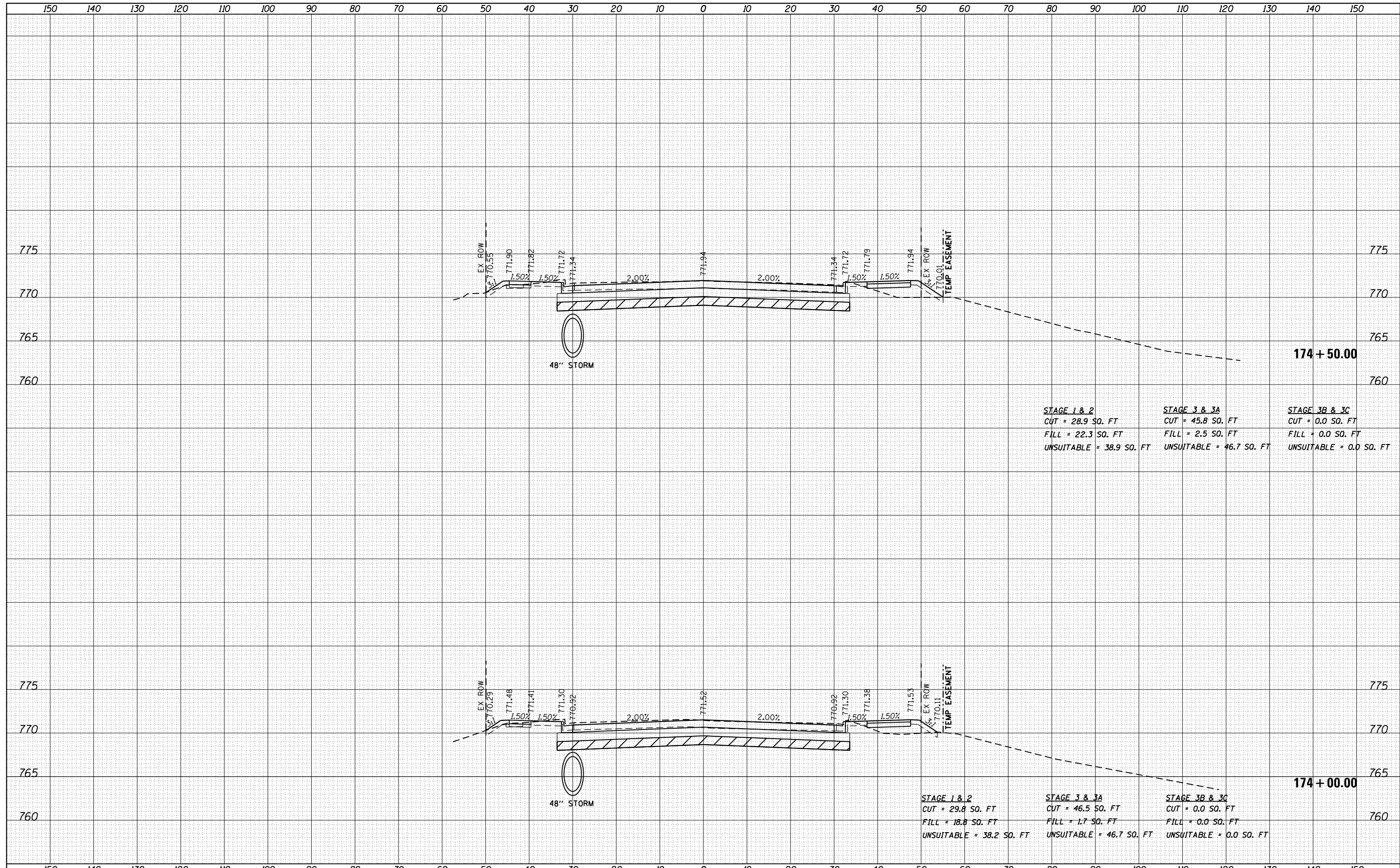
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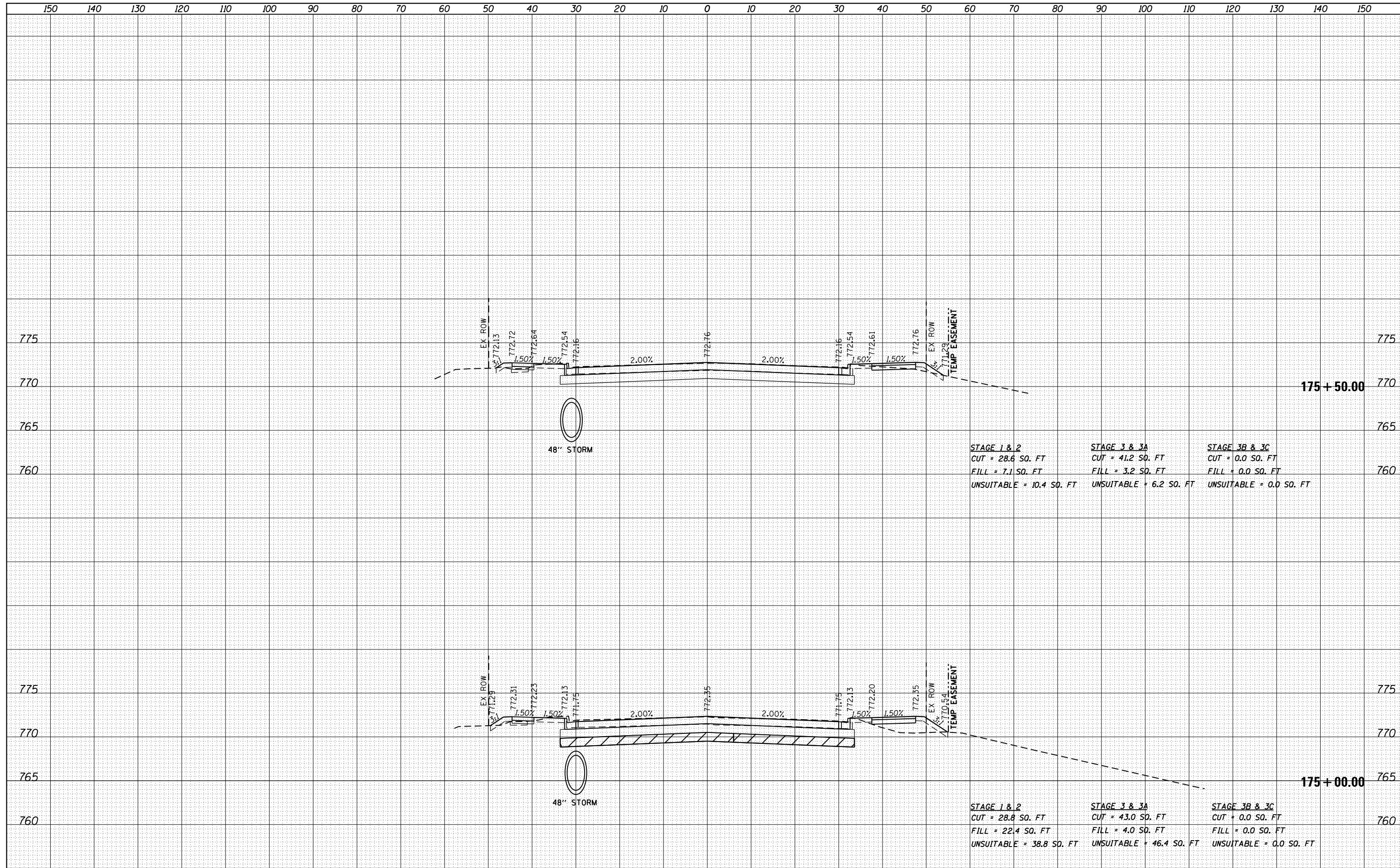


<b>STAGE 1 &amp; 2</b> CUT = 28.9 SQ. FT FILL = 22.3 SQ. FT UNSUITABLE = 38.9 SQ. FT	<b>STAGE 3 &amp; 3A</b> CUT = 45.8 SQ. FT FILL = 2.5 SQ. FT UNSUITABLE = 46.7 SQ. FT	<b>STAGE 3B &amp; 3C</b> CUT = 0.0 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 0.0 SQ. FT
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<b>STAGE 1 &amp; 2</b> CUT = 29.8 SQ. FT FILL = 18.8 SQ. FT UNSUITABLE = 38.2 SQ. FT	<b>STAGE 3 &amp; 3A</b> CUT = 46.5 SQ. FT FILL = 1.7 SQ. FT UNSUITABLE = 46.7 SQ. FT	<b>STAGE 3B &amp; 3C</b> CUT = 0.0 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 0.0 SQ. FT
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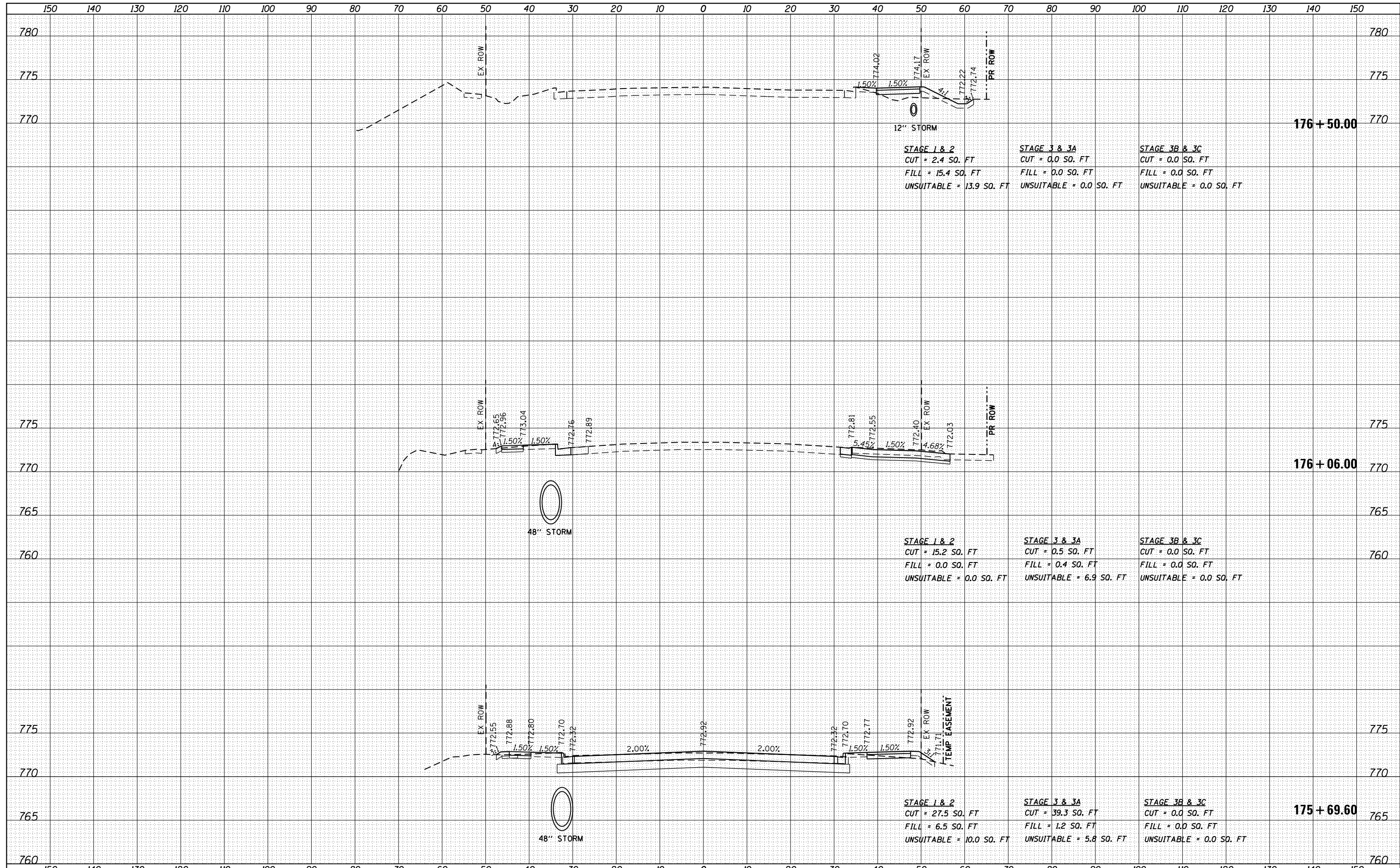


<b>STAGE 1 &amp; 2</b> CUT = 28.6 SQ. FT FILL = 7.1 SQ. FT UNSUITABLE = 10.4 SQ. FT	<b>STAGE 3 &amp; 3A</b> CUT = 41.2 SQ. FT FILL = 3.2 SQ. FT UNSUITABLE = 6.2 SQ. FT	<b>STAGE 3B &amp; 3C</b> CUT = 0.0 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 0.0 SQ. FT
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<b>STAGE 1 &amp; 2</b> CUT = 28.8 SQ. FT FILL = 22.4 SQ. FT UNSUITABLE = 38.8 SQ. FT	<b>STAGE 3 &amp; 3A</b> CUT = 43.0 SQ. FT FILL = 4.0 SQ. FT UNSUITABLE = 46.4 SQ. FT	<b>STAGE 3B &amp; 3C</b> CUT = 0.0 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 0.0 SQ. FT
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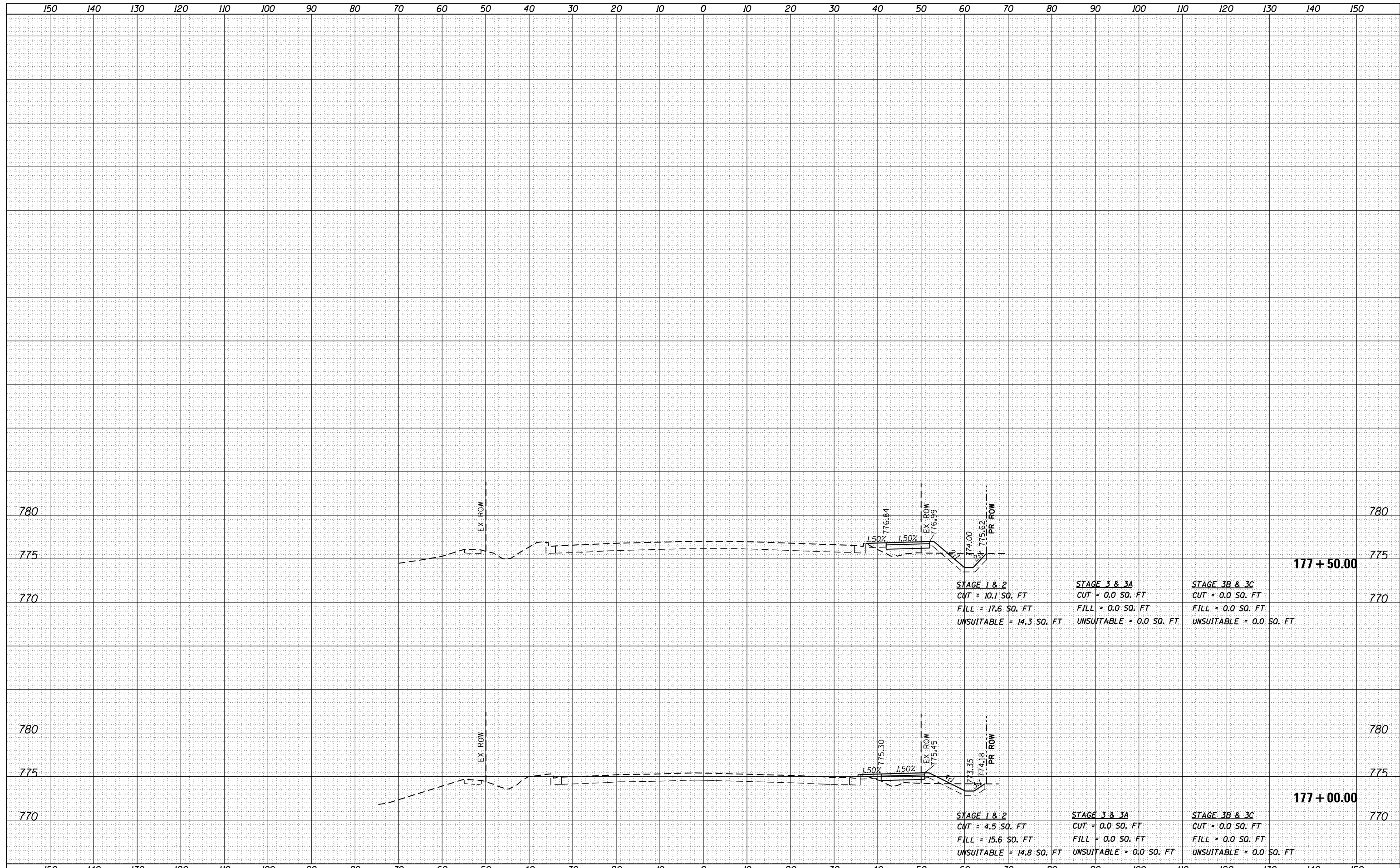


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PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -	ILLINOIS FED. AID PROJECT							
Default				SCALE: 1"=5' VT	SCALE: 1"=10' HZ	SHEET 55 OF 62 SHEETS	STA. 175+69.60 TO STA. 176+50.00			



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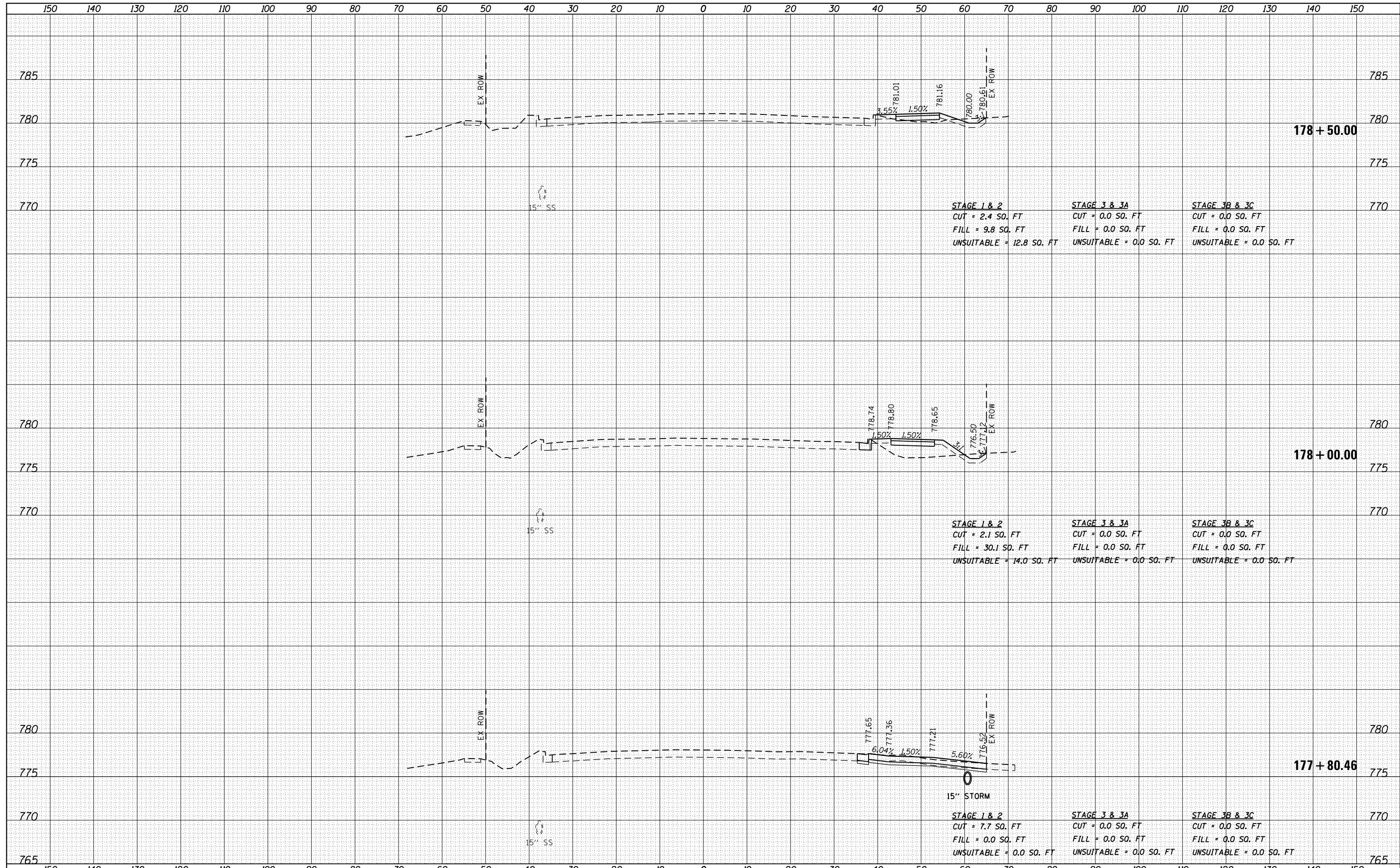
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F:\961-000 Geneva East State St\CADD\Sheets\961-000_SHT_XS_E.STATE.dgn		DRAWN - GJE	REVISED -		SCALE: 1"=5' VT	SCALE: 1"=10' HZ	SHEET 56 OF 62 SHEETS	STA. 177+00.00	TO STA. 177+50.00	0347	05-00102-00-PV	KANE	488 470
Default	PLOT SCALE = 20.0000" / in.	CHECKED - DBB	REVISED -		SCALE: 1"=10' HZ	SHEET 56 OF 62 SHEETS	STA. 177+00.00	TO STA. 177+50.00	CONTRACT NO. 61J84				
	PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -		ILLINOIS FED. AID PROJECT								

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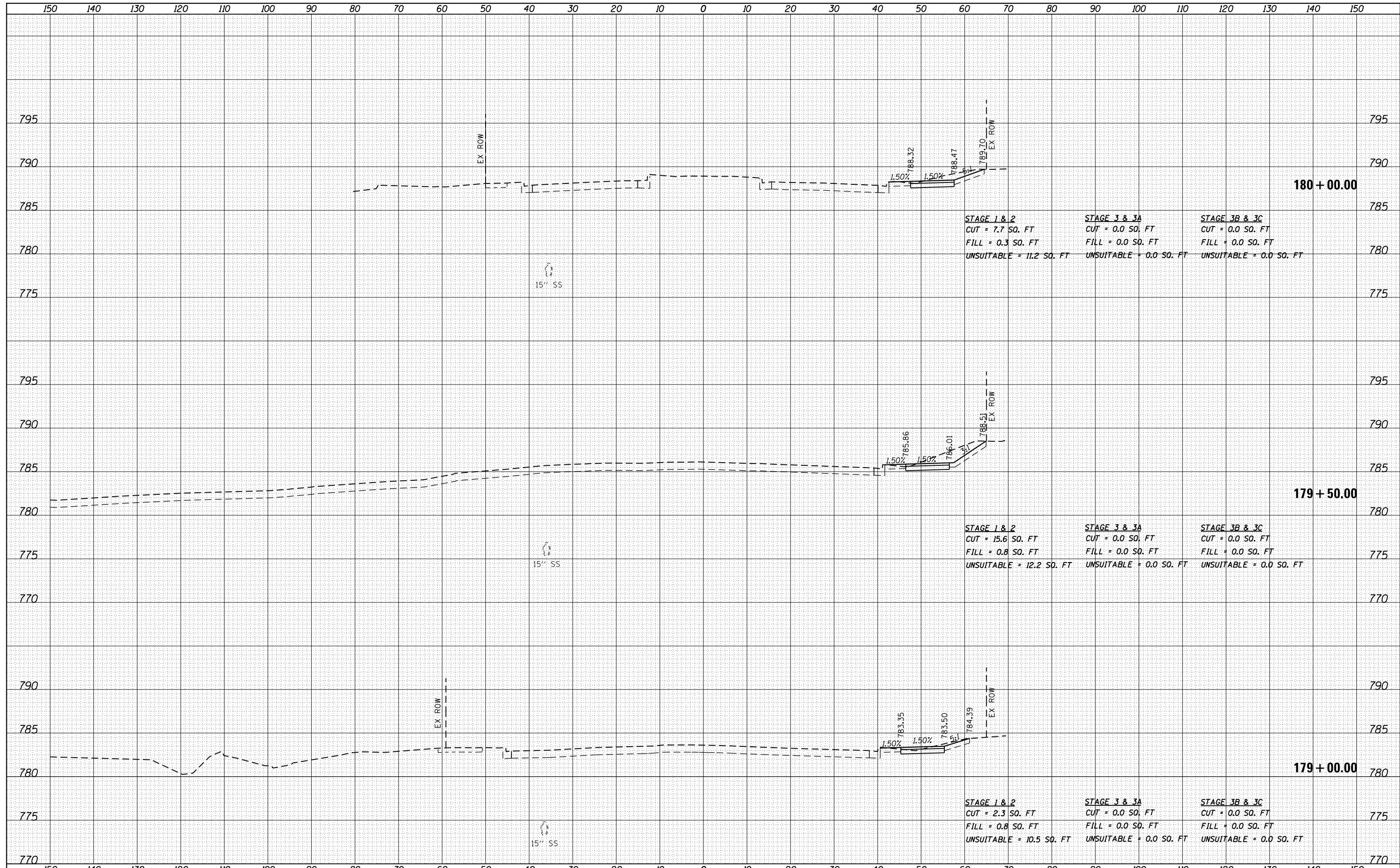
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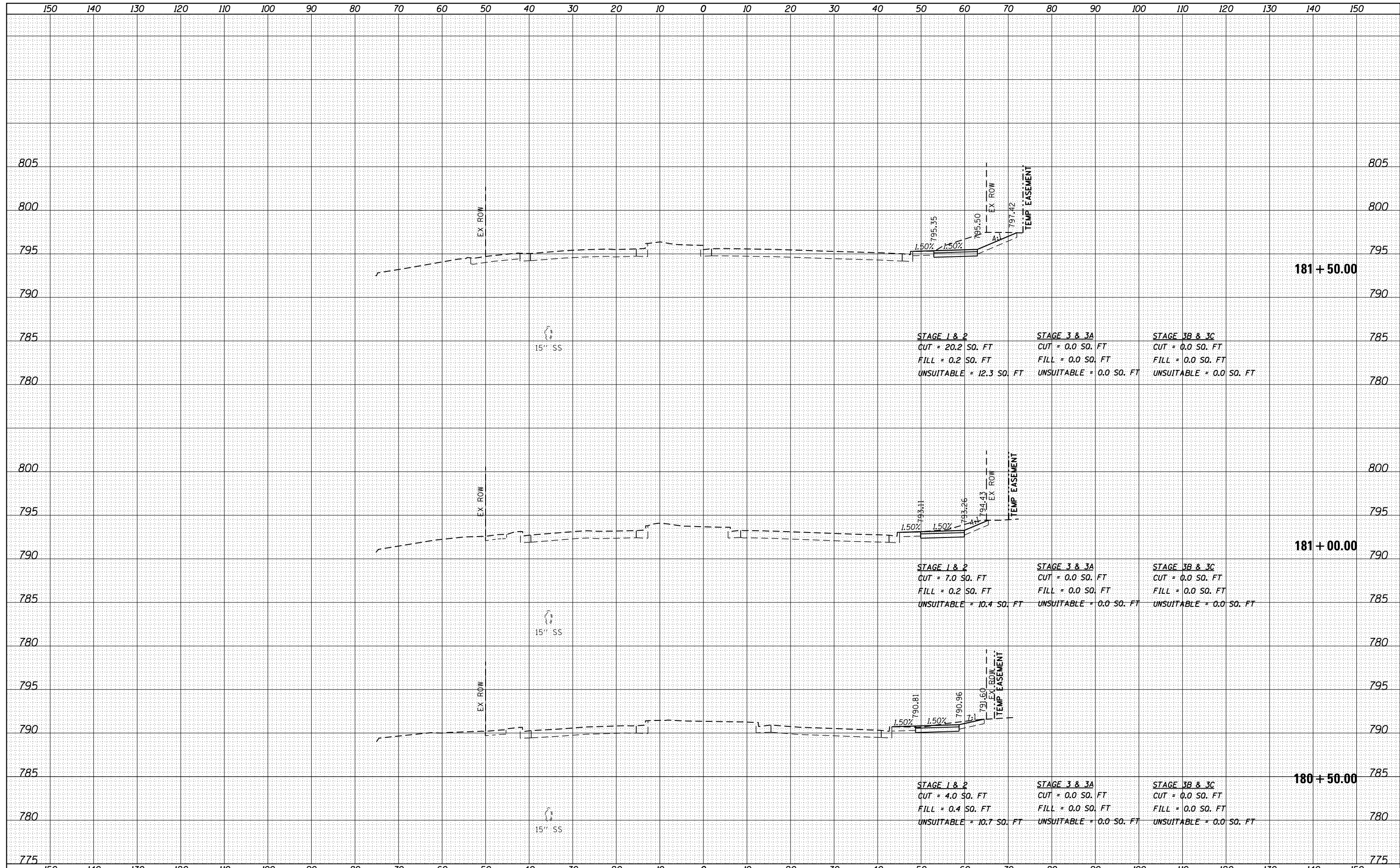
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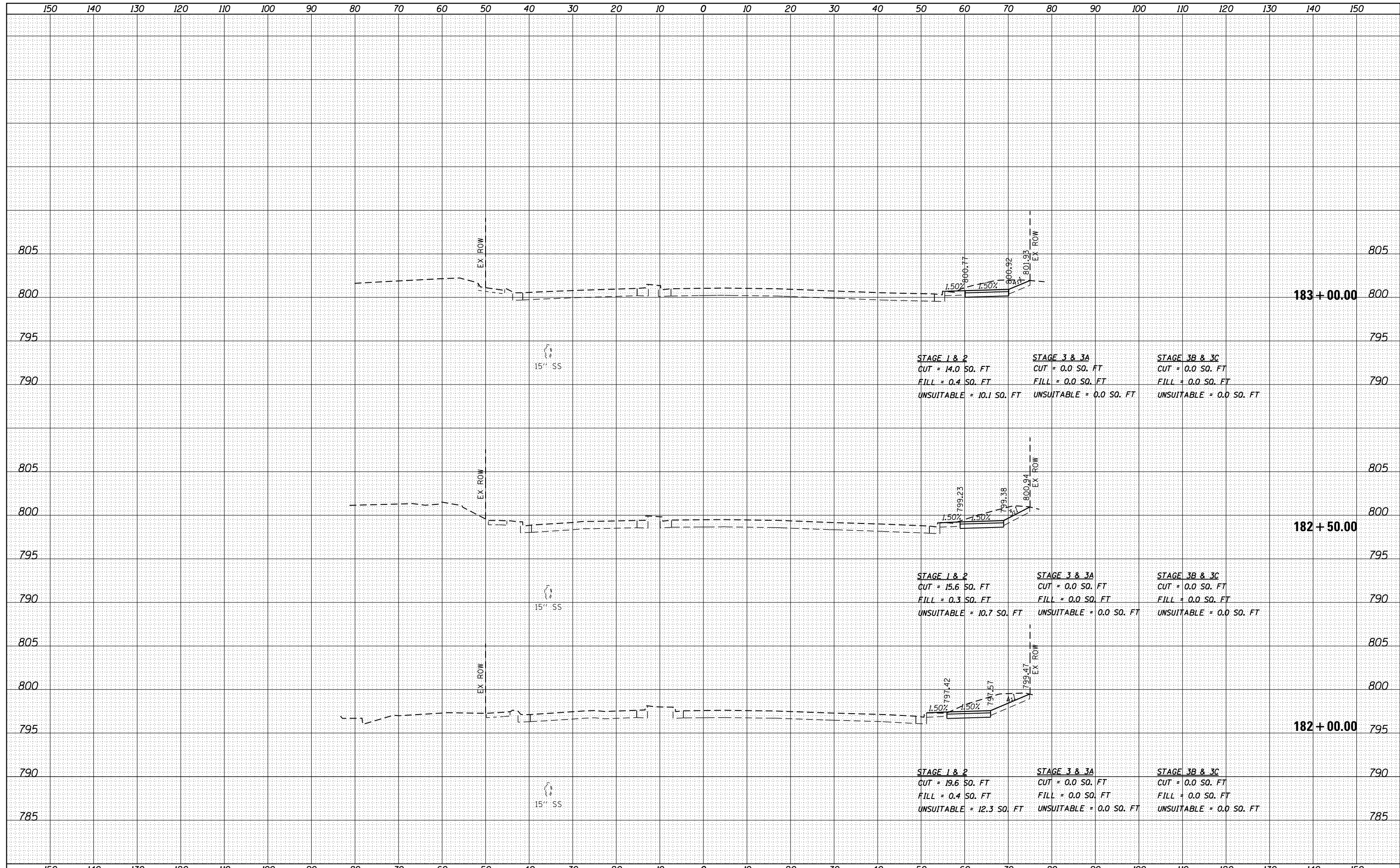
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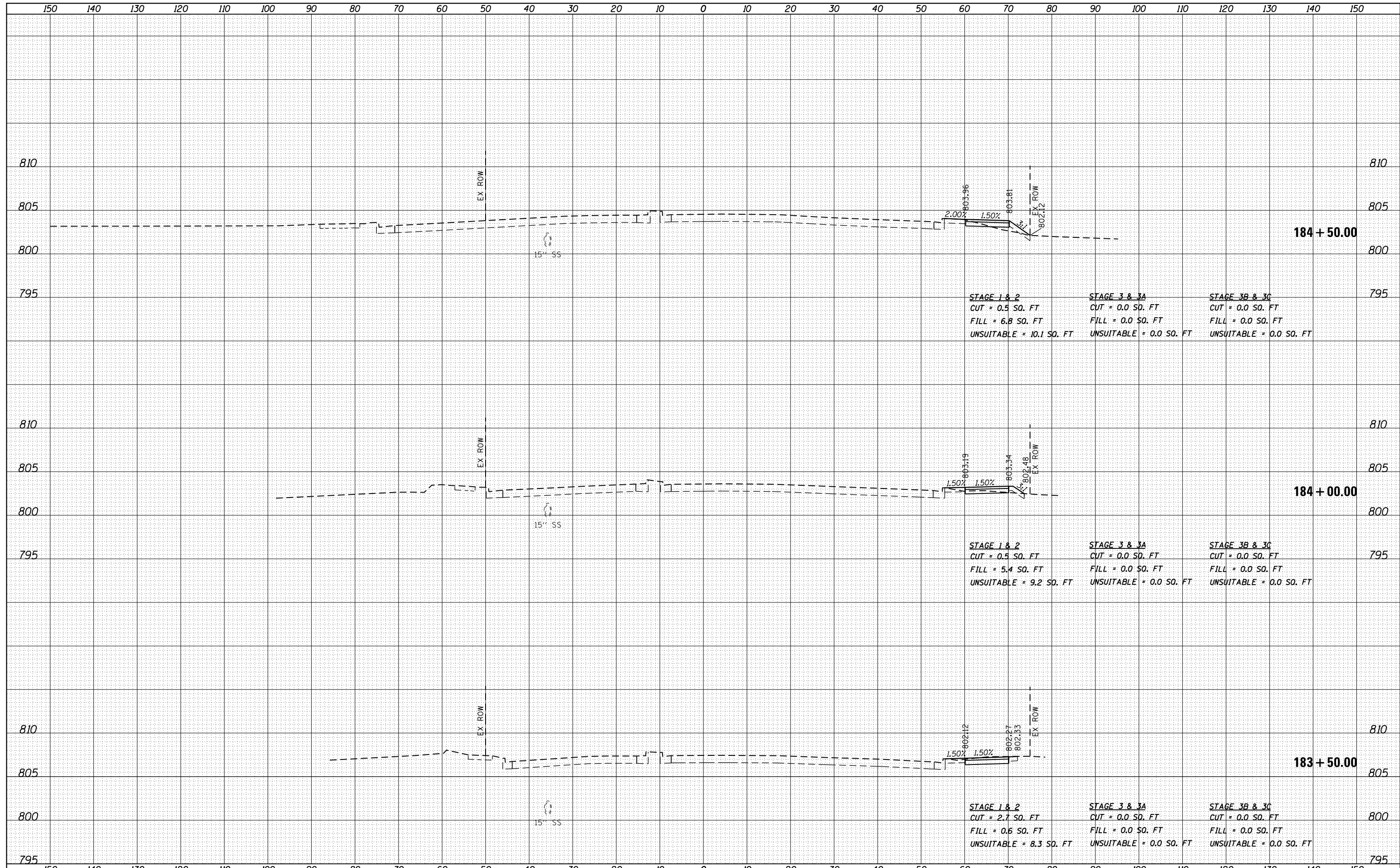
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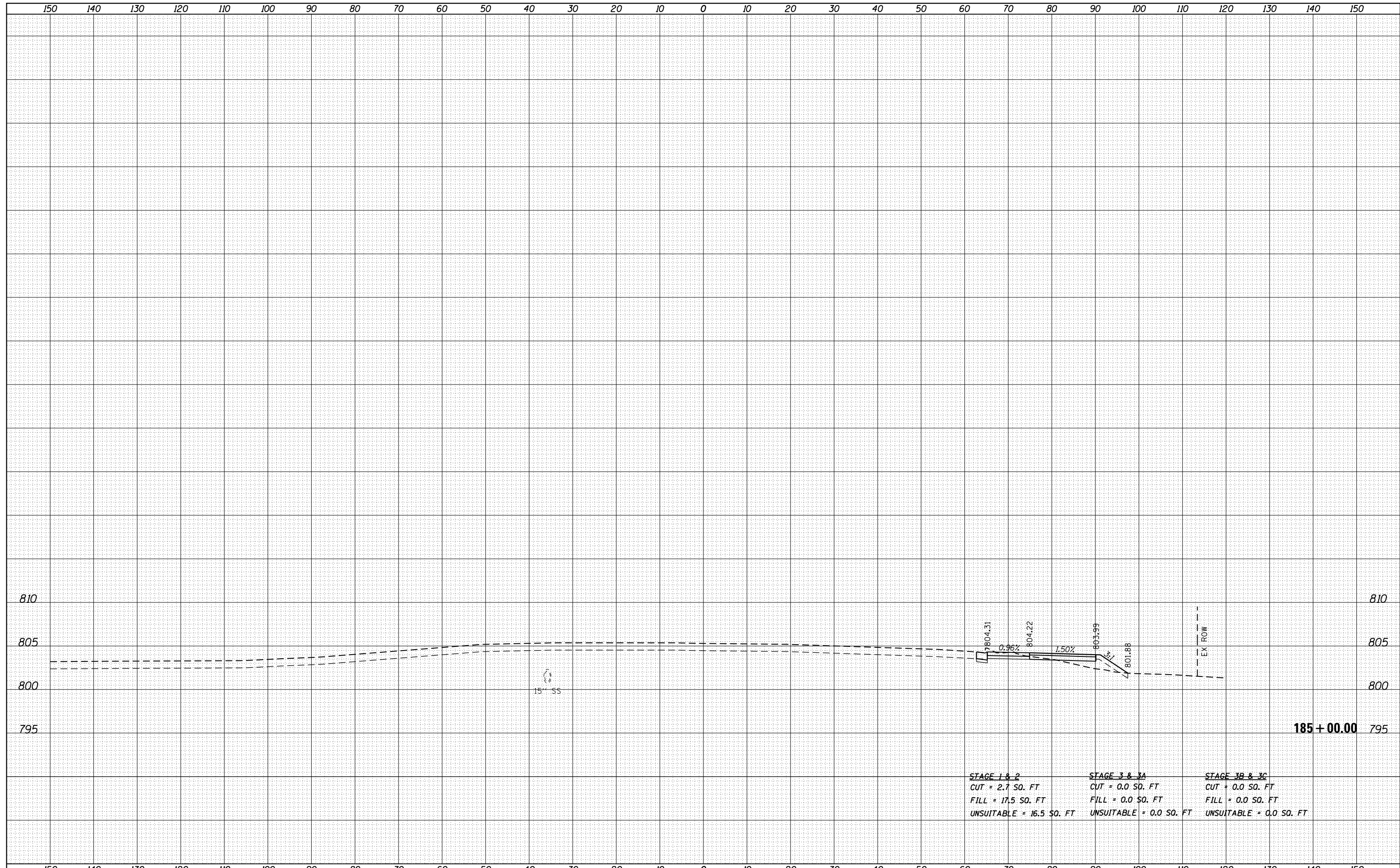
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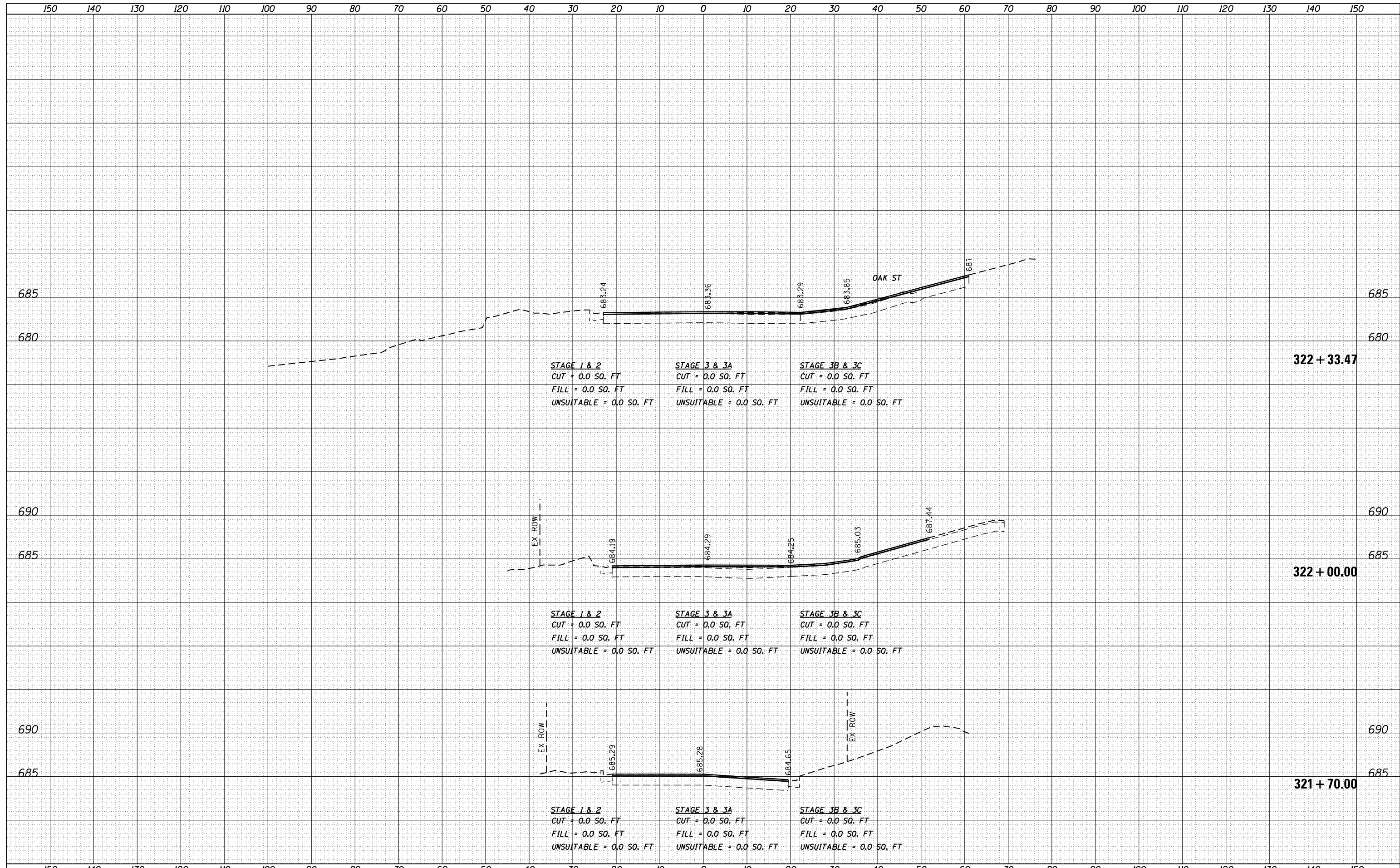
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<b>STAGE 1 &amp; 2</b> CUT = 2.7 SQ. FT FILL = 17.5 SQ. FT UNSUITABLE = 16.5 SQ. FT	<b>STAGE 3 &amp; 3A</b> CUT = 0.0 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 0.0 SQ. FT	<b>STAGE 3B &amp; 3C</b> CUT = 0.0 SQ. FT FILL = 0.0 SQ. FT UNSUITABLE = 0.0 SQ. FT
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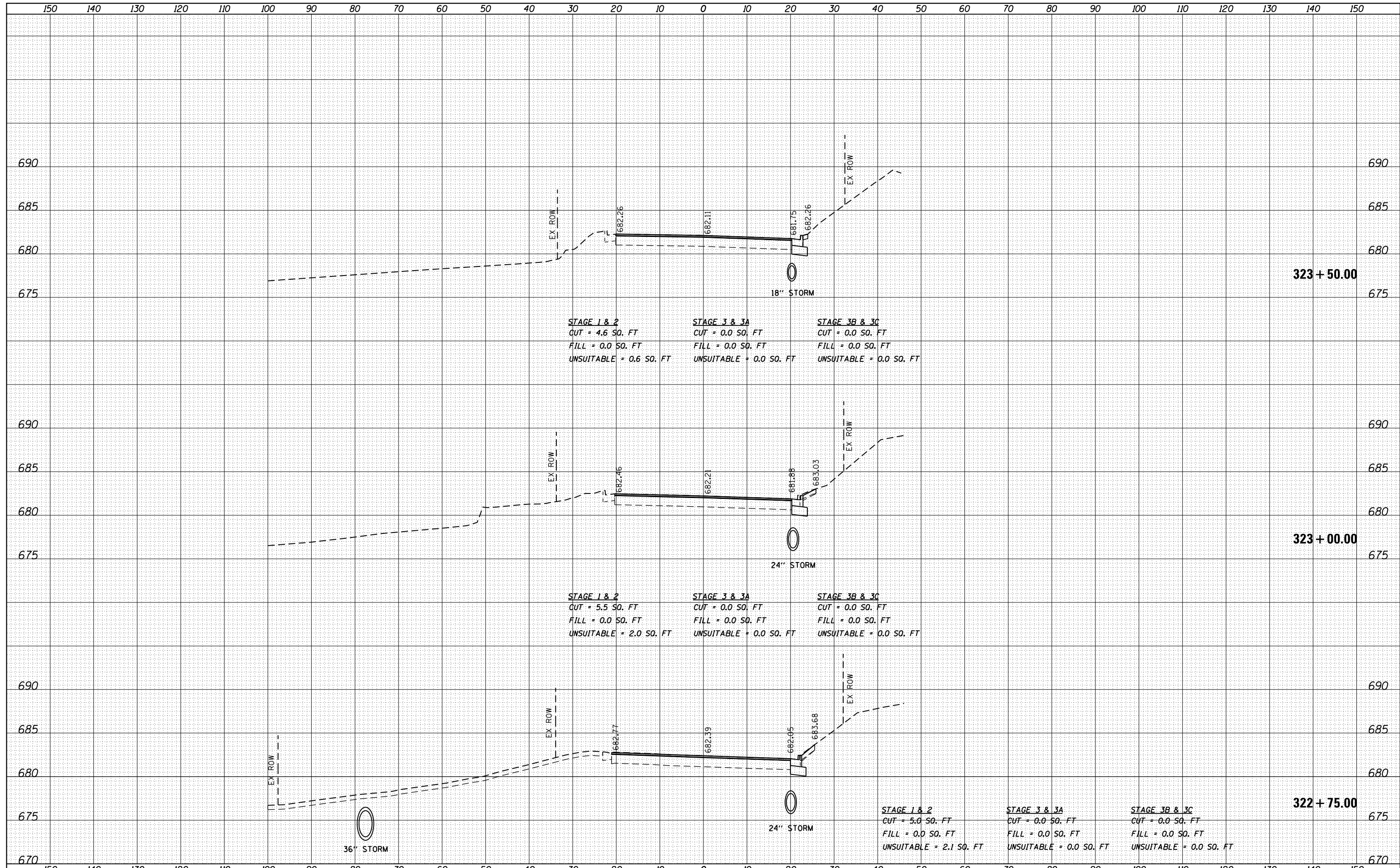
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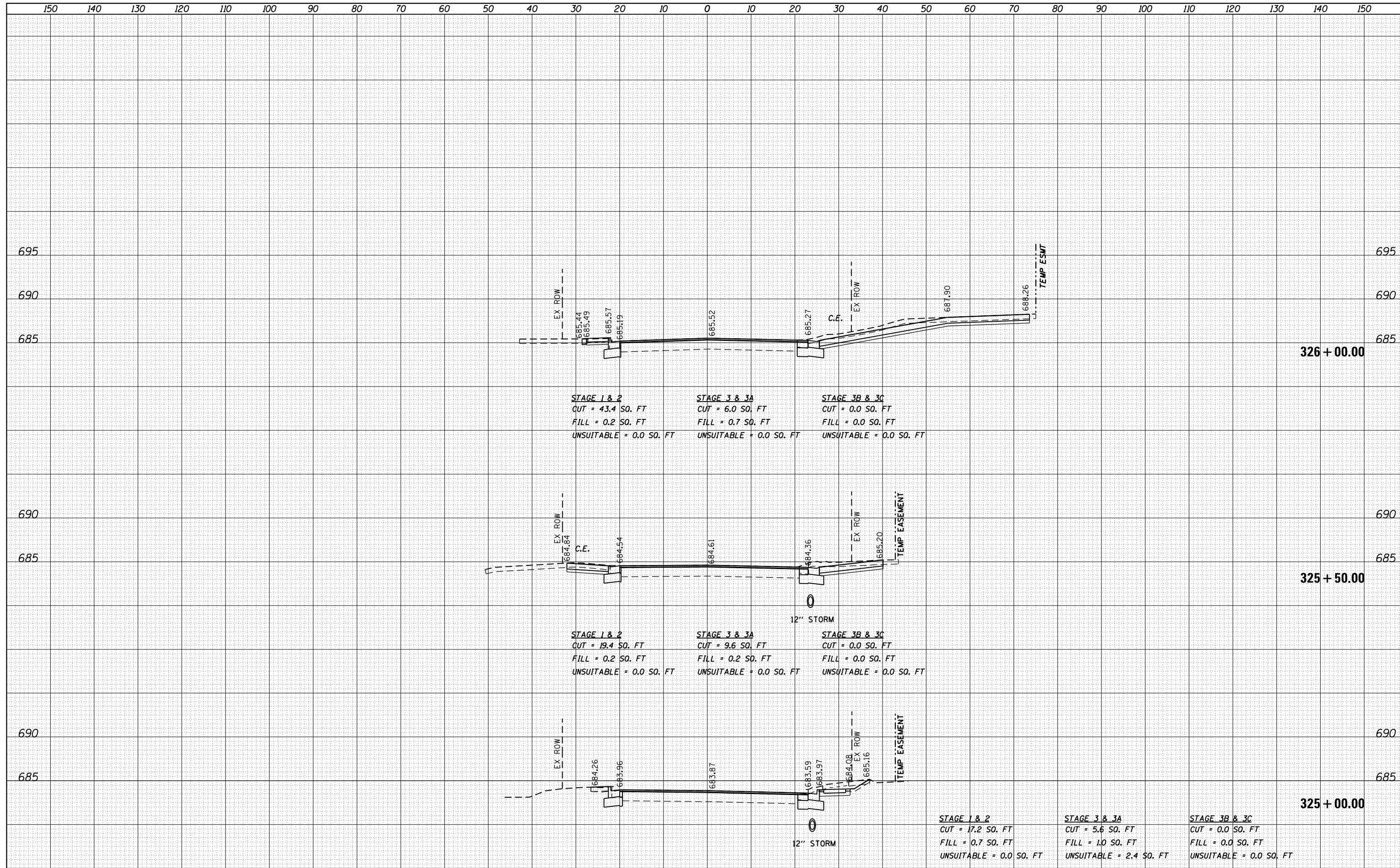
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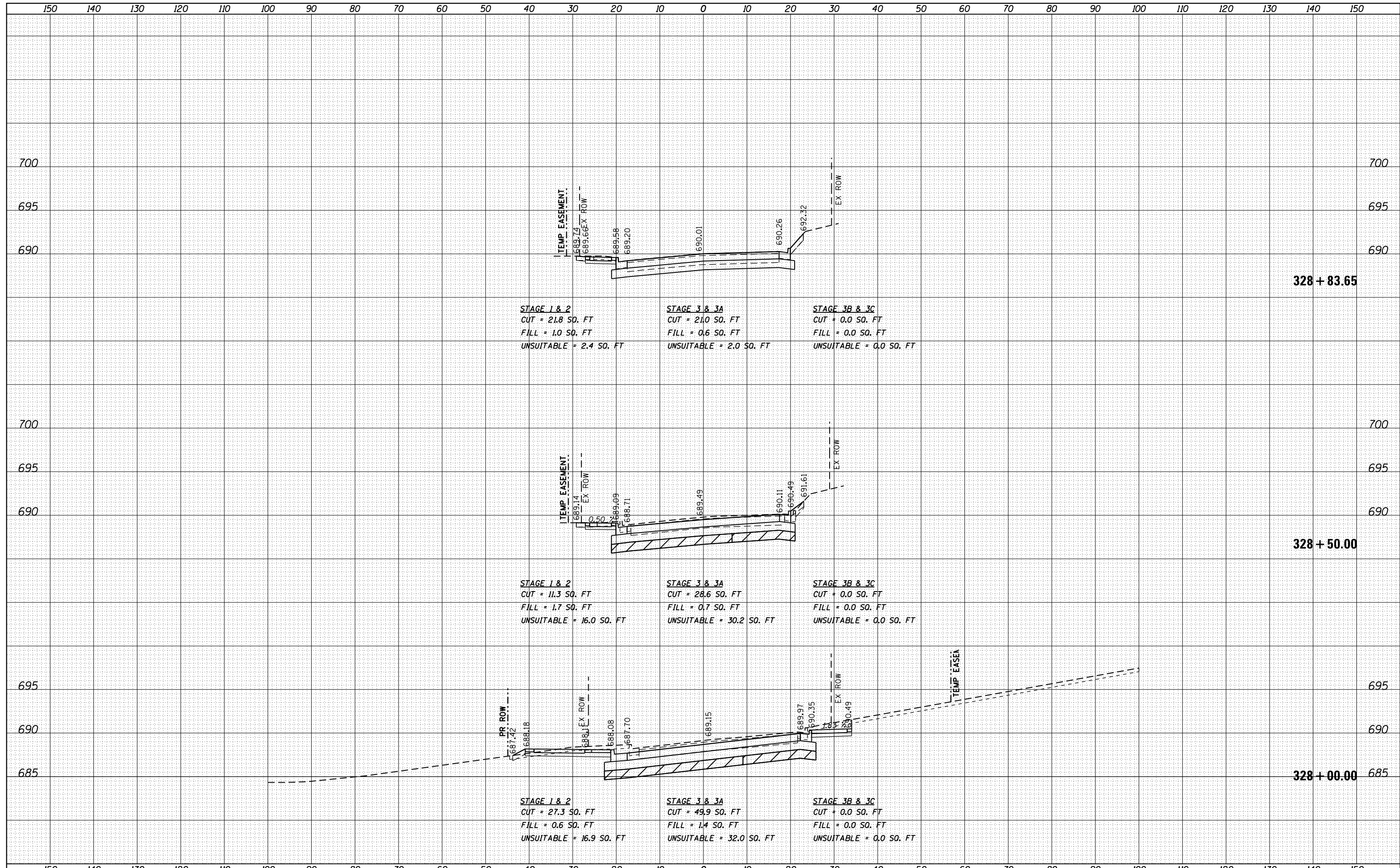


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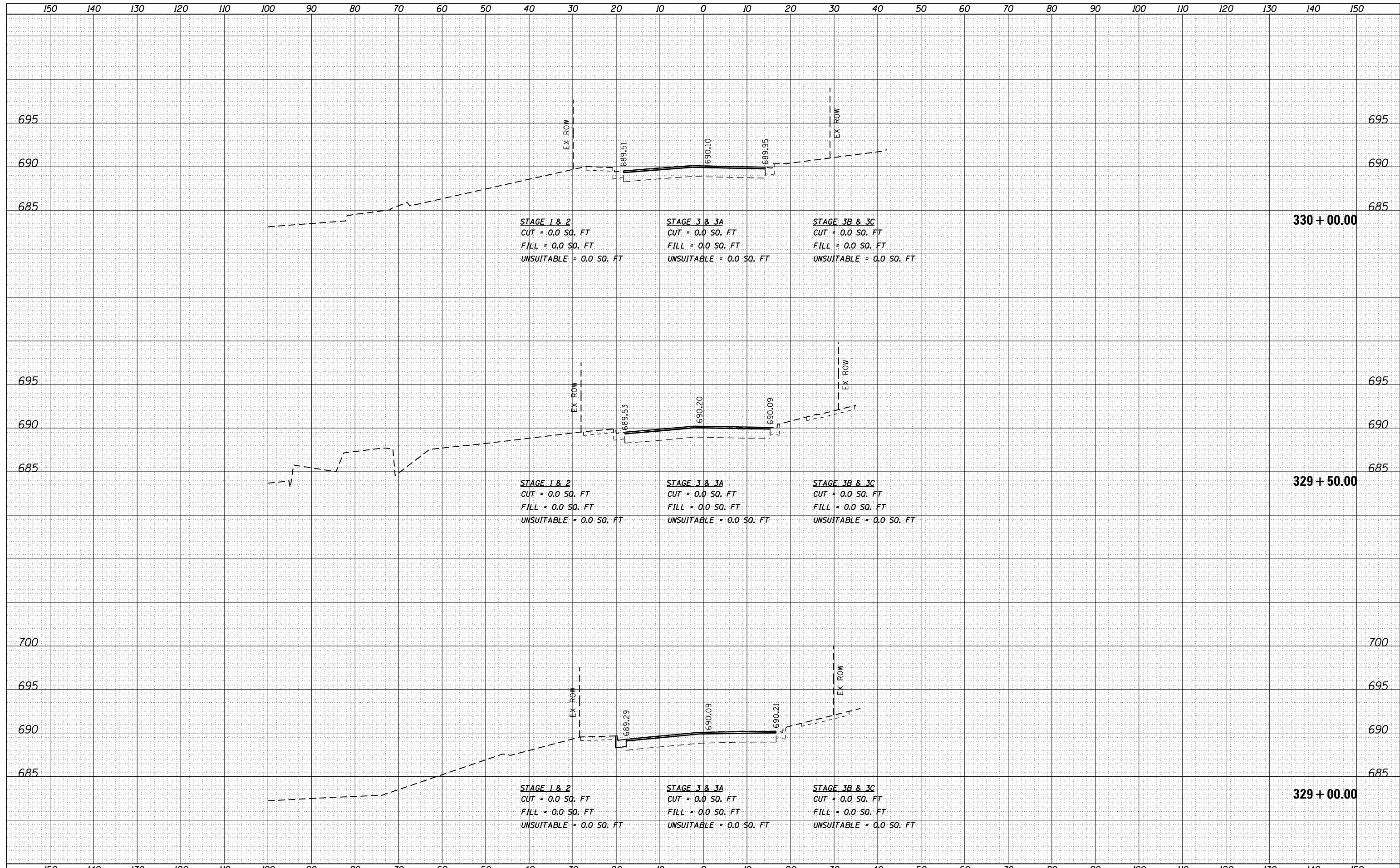
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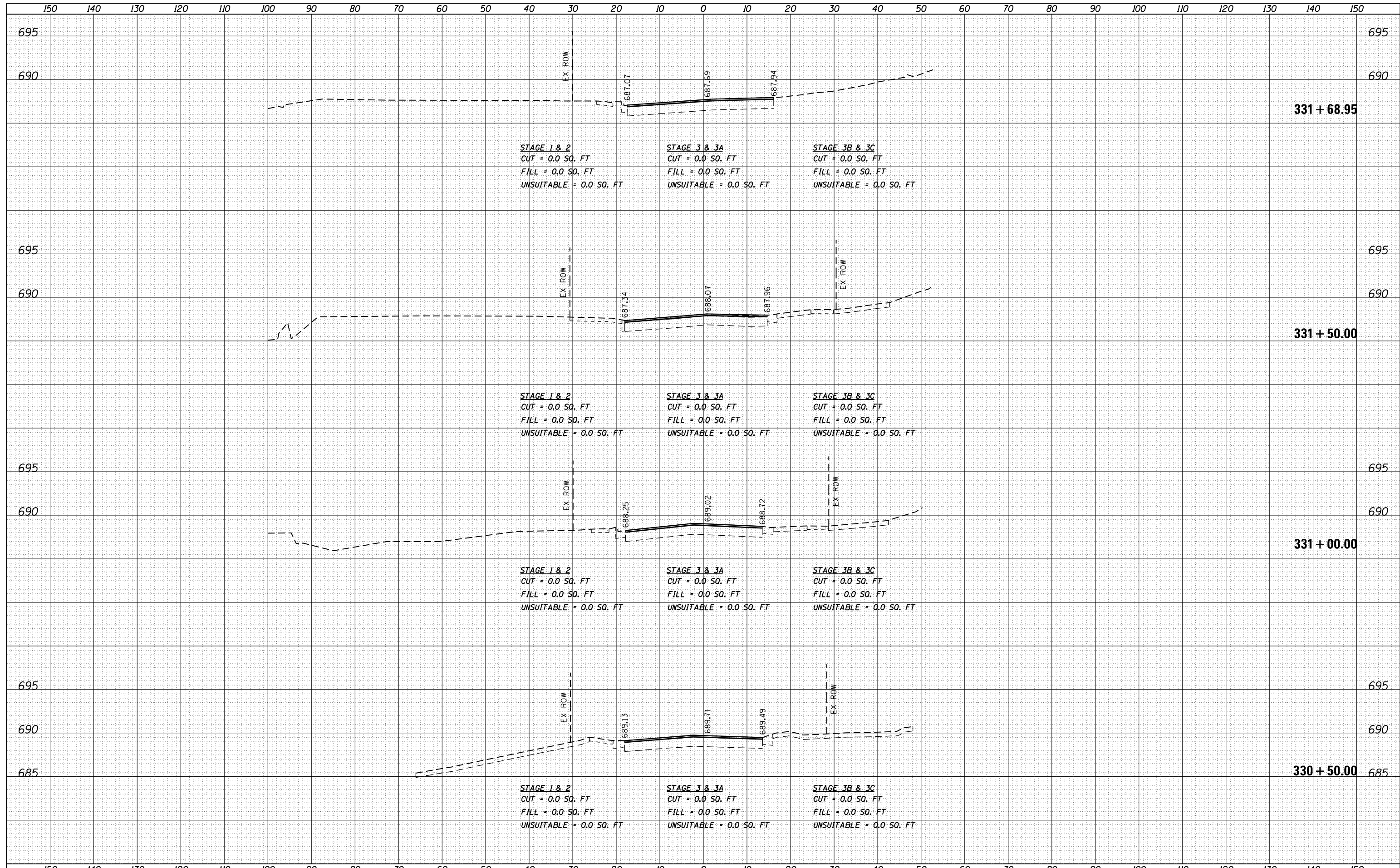
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FILE NAME =	USER NAME = tnestor	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS ROUTE 25 - BENNETT STREET</b> <b>CROSS SECTIONS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F:\961-000 Geneva East State St\CADD\Sheets\961-000_SHT_XS_N.BENNETT.dgn		DRAWN - GJE	REVISED -		SCALE: 1"=5' VT	0347	05-00102-00-PV	KANE	488	483	CONTRACT NO. 61J84	
Default		PLOT SCALE = 20.0000' / in.	CHECKED - DBB		REVISED -	SCALE: 1"=10' HZ	SHEET 7	OF 8 SHEETS	STA. 329+00.00	TO STA. 330+00.00	ILLINOIS FED. AID PROJECT	
		PLOT DATE = 1/13/2025	DATE - 11/7/2024		REVISED -							

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



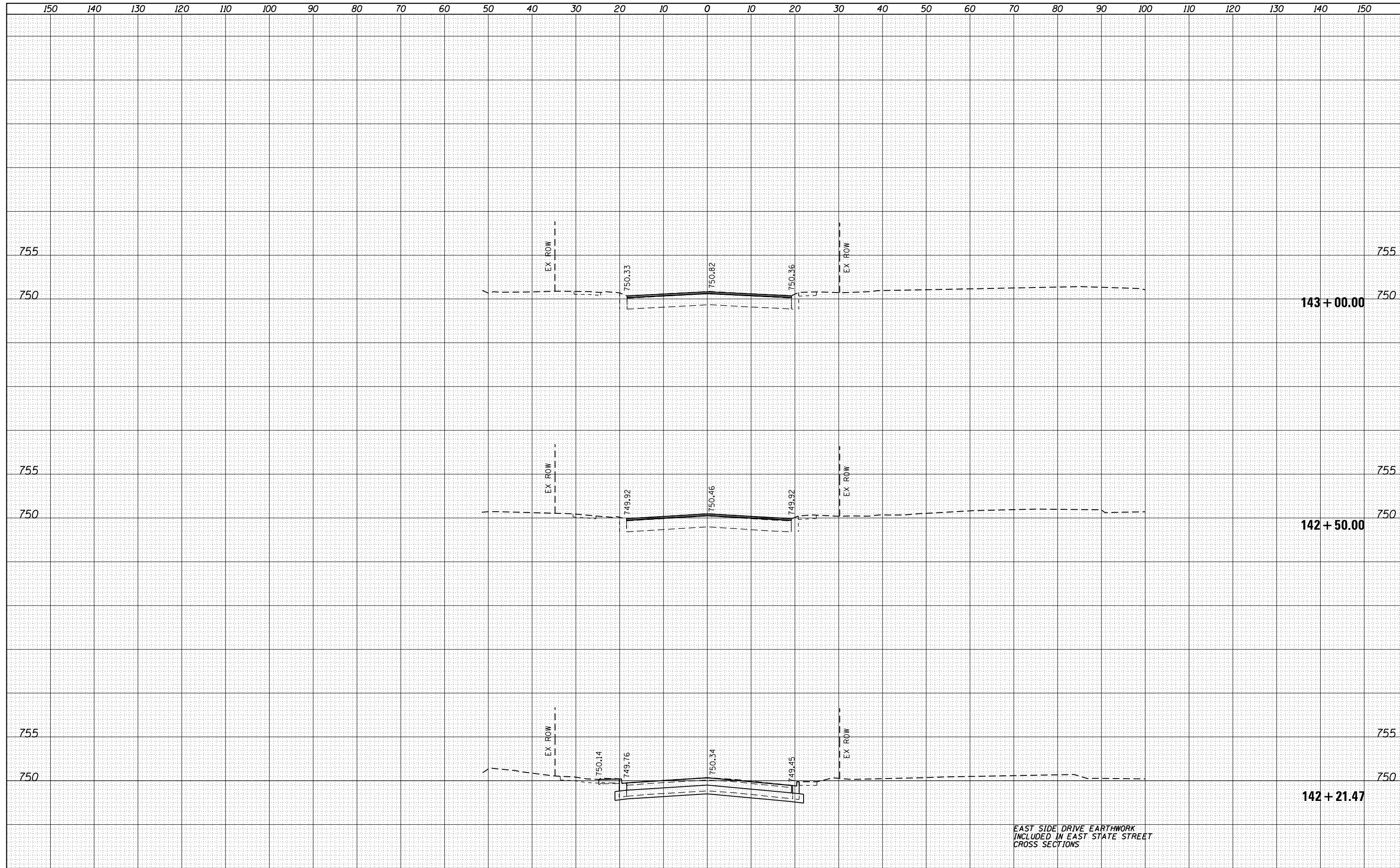
FILE NAME =	USER NAME = tnestor	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS ROUTE 25 - BENNETT STREET</b> <b>CROSS SECTIONS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F:\961-000 Geneva East State St\CADD\Sheets\961-000-SHT_XS_N-BENNETT.dgn	DRAWN - GJE	REVISED -	0347			05-00102-00-PV	KANE	488	484	
PLOT SCALE = 20.0000' / in.	CHECKED - DBB	REVISED -	CONTRACT NO. 61J84							
Default	DATE - 11/7/2024	REVISED -	SCALE: 1"=5' VT			SHEET 8	OF 8 SHEETS	STA. 330+50.00	TO STA. 331+68.95	ILLINOIS FED. AID PROJECT





DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



EAST SIDE DRIVE EARTHWORK  
INCLUDED IN EAST STATE STREET  
CROSS SECTIONS

FILE NAME = F:\961-000 Geneva East State St\CADD\Sheets\961-000\_SHT\_XS\_ESD.dgn  
Default

USER NAME = tnestor	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 1/13/2025	DATE - 11/7/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EAST SIDE DRIVE  
CROSS SECTIONS  
SCALE: 1"=5' VT  
SCALE: 1"=10' HZ  
SHEET 2 OF 4 SHEETS  
STA. 142+21.47 TO STA. 143+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0347	05-00102-00-PV	KANE	488	486
CONTRACT NO. 61J84				
ILLINOIS FED. AID PROJECT				



