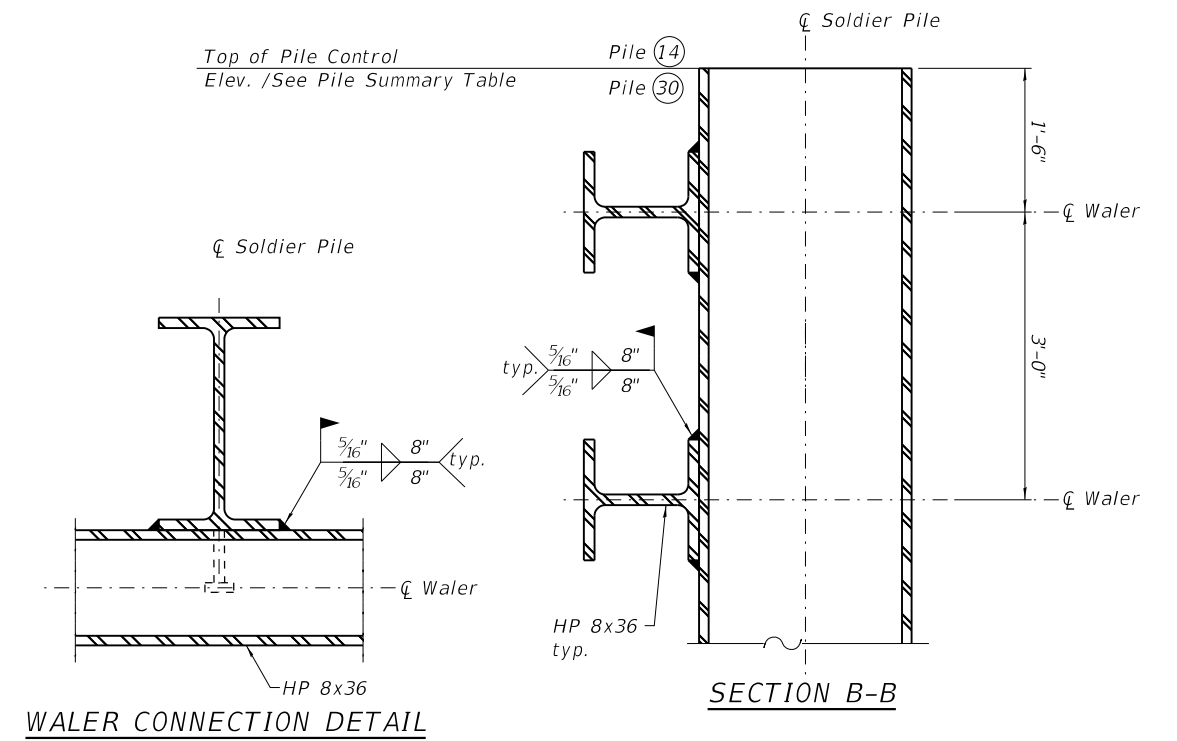


K3 to K4 Pile No.
K6 to K7 Pile No.

Waler Plan

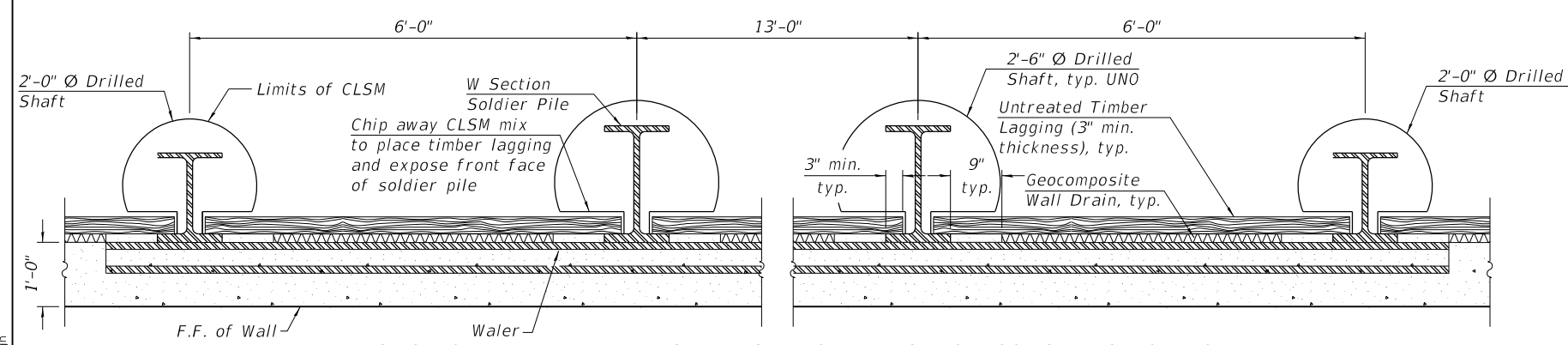
(4 locations: 2 at K3 to K4 and 2 at K6 to K7)

(Wall Facing, reinforcement bars, shear stud connectors, untreated timber lagging, geocomposite wall drain, and CLSM limits not shown for clarity)



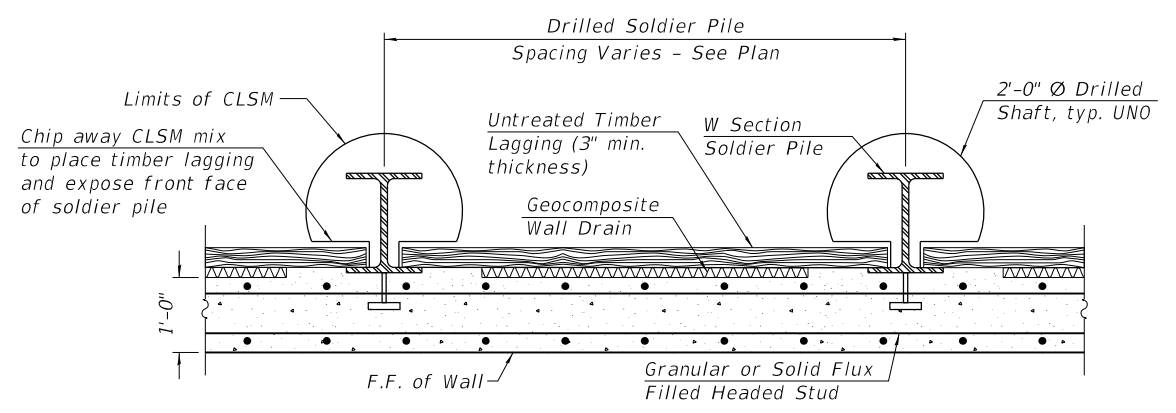
WALER CONNECTION DETAIL

SECTION B-B



WALL SECTION UNDERNEATH SUPERSTRUCTURE STAGE CONSTRUCTION JOINT

(Steel reinforcing bars not shown for clarity)



SECTION THRU DRILLED SOLDIER PILE WALL

- Note:
- The Contractor is responsible for the design and performance of the lagging using no less than a 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.
 - The cost of furnishing and installing the steel walers is included with the cost of Finishing Soldier Piles (W Section).

MODEL: Default
FILE NAME: S:\JULI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\016W2503-C2-010-TSD.dgn
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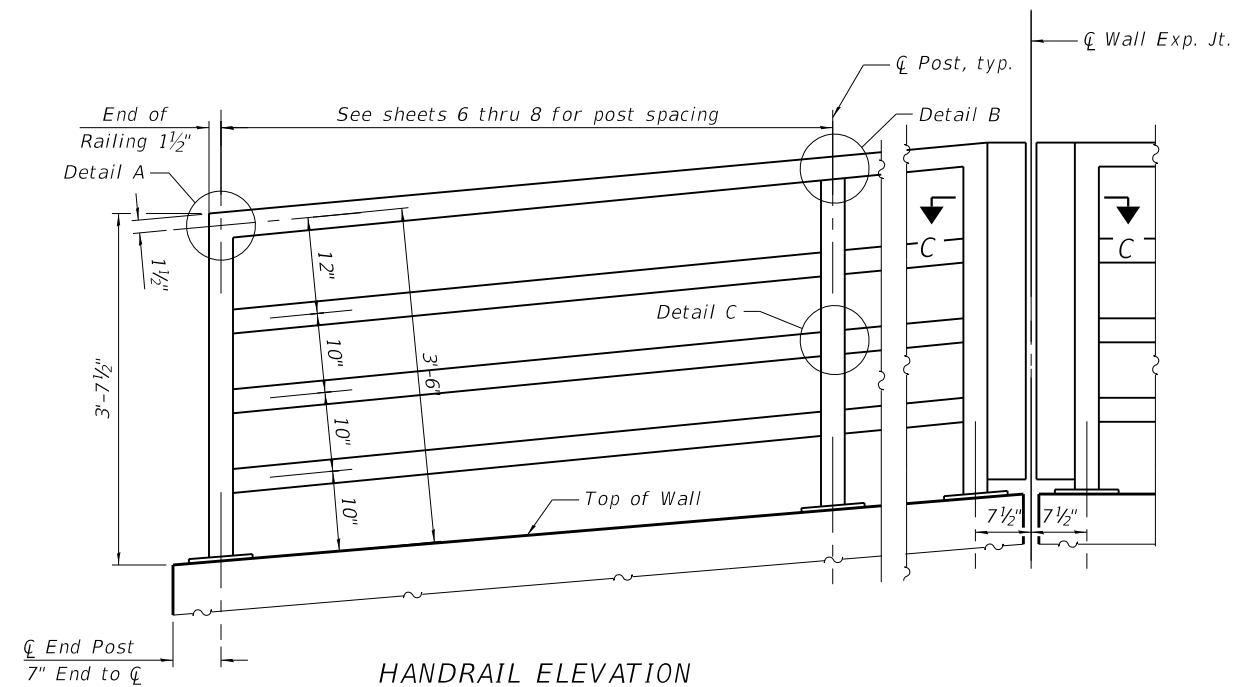
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|--------------|----------------|-----------|
| USER NAME = | DESIGNED - BRL | REVISED - |
| | CHECKED - DDR | REVISED - |
| PLOT SCALE = | DRAWN - DMH | REVISED - |
| PLOT DATE = | CHECKED - NDR | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

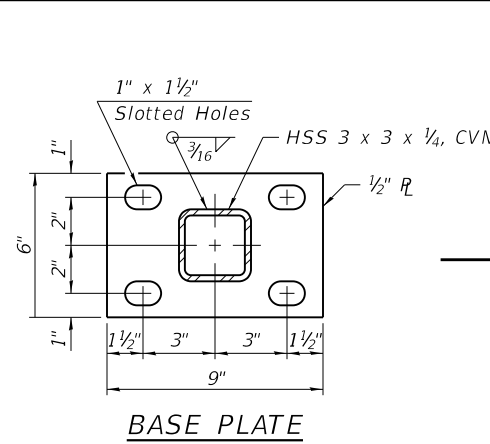
**WALER AND MISC. DETAILS
STRUCTURE NO. 016-W2503**

SHEET 10 OF 15 SHEETS

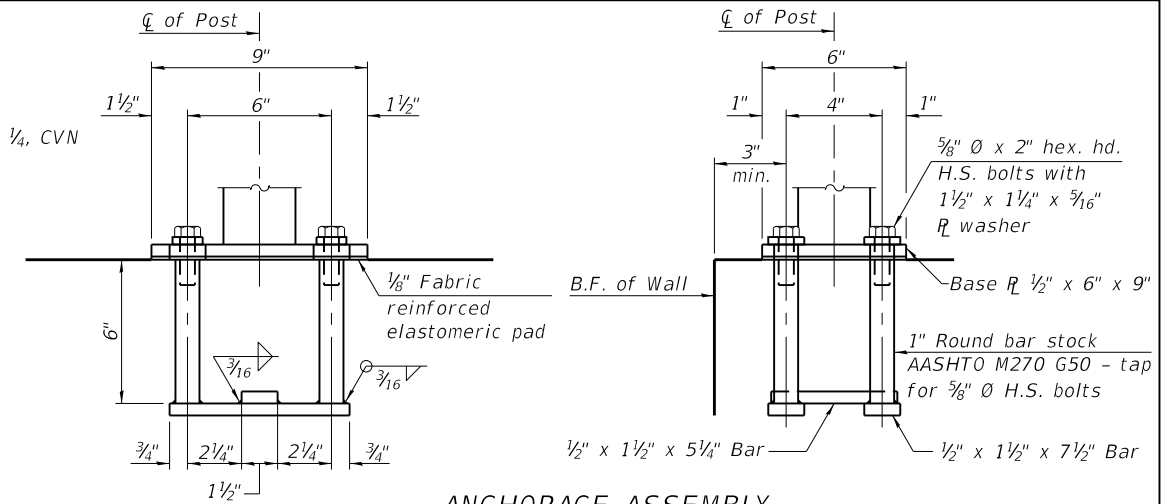
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1001 |
| CONTRACT NO. 62N91 | | | | |
| ILLINOIS | | FED. AID PROJECT | | |



HANDRAIL ELEVATION

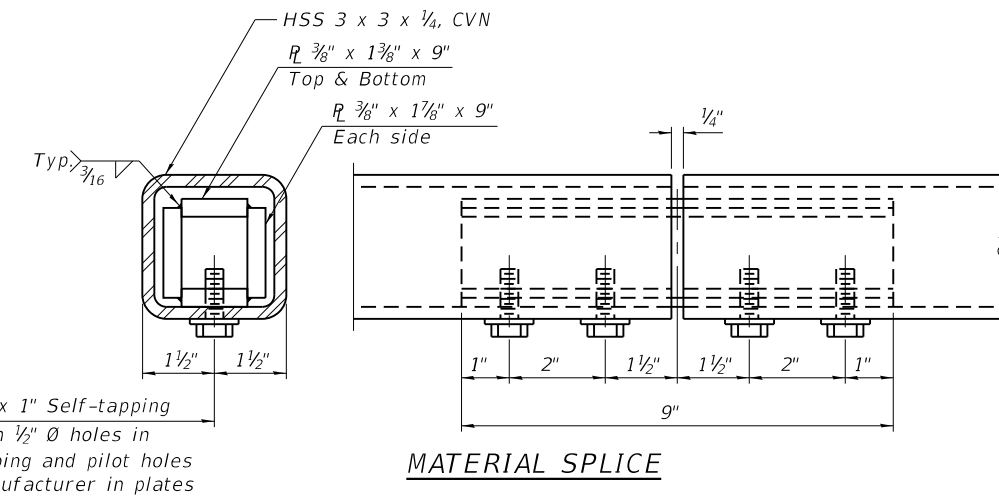


BASE PLATE

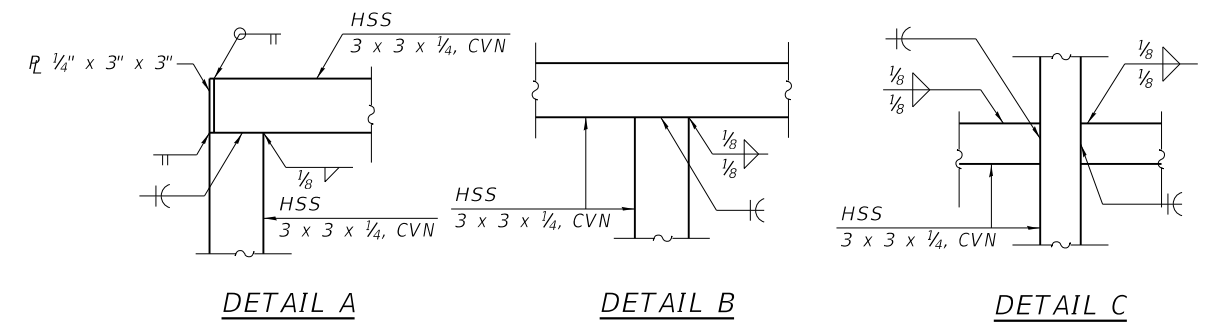


ANCHORAGE ASSEMBLY

The Hand Railing fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates.



MATERIAL SPLICE

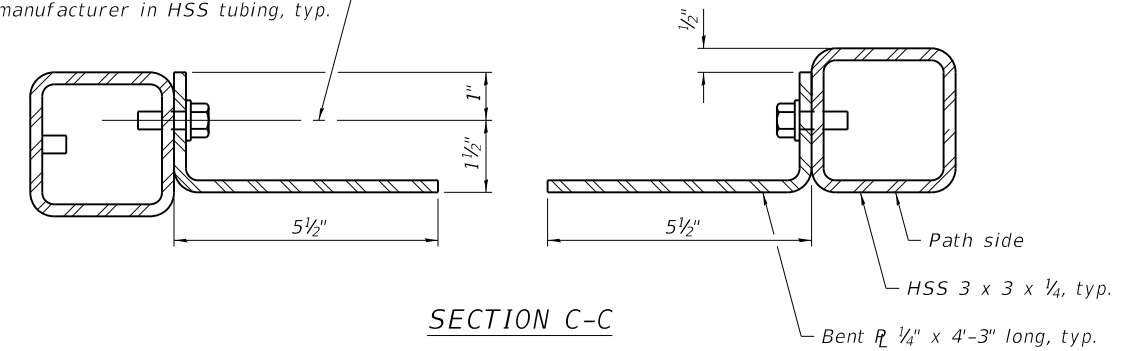


DETAIL A

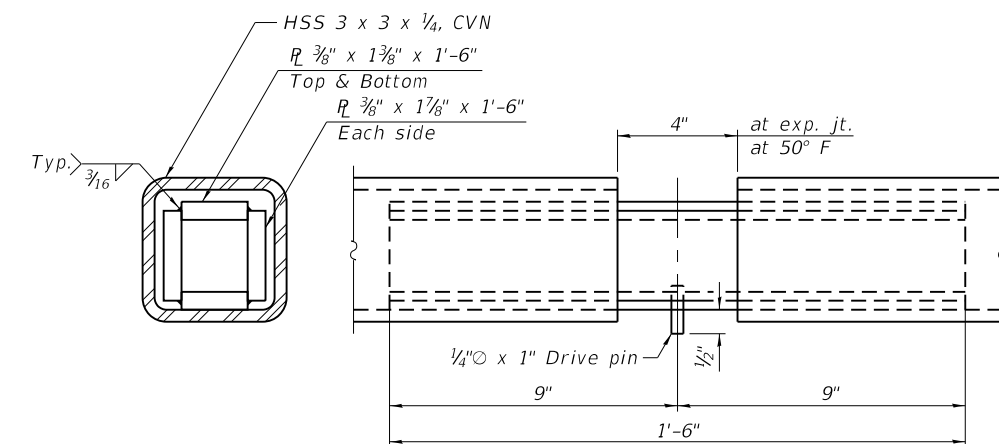
DETAIL B

DETAIL C

3/8" Ø x 1" Self-tapping HHCS in 1/2" Ø holes in plates & pilot holes per manufacturer in HSS tubing, typ.



SECTION C-C



EXPANSION SPLICE

Notes:

1. Place reinforcement bars to miss anchorage assembly locations.
2. All HSS tubing used for the Handrailing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.
3. All HSS tubing used for the Handrailing shall be ASTM A500 grade C.
4. All base plates used for the Handrailing shall be AASHTO M270 grade 50.
5. All heavy hex nuts shall be according to ASTM A 563 grade DH.
6. The post base plate shall be fastened to the top of wall snug tight and given an additional 1/8" turn.
7. Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.
8. All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
9. See sheet 6 thru 8 of 15 for dimensions of concrete openings at expansion joints.

RAILING CRITERIA

| | |
|----------------------|-------|
| MASH 2016 Test Level | 4 |
| Max Post Spacing | 7'-6" |
| Railing Weight (plf) | 25 |

BILL OF MATERIAL

| Item | Unit | Quantity |
|------------------------------|------|----------|
| Furnish and Install Handrail | Foot | 293 |

MODEL: Default
FILE NAME: S:\JULI\6300-6399\6346\113\Drawings\CAD\Micro-554\CAD_Sheets\016W2503-C2-011-RAIL.dgn
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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

| | | |
|--------------|----------------|-----------|
| USER NAME = | DESIGNED - BRL | REVISED - |
| PLOT SCALE = | CHECKED - DDR | REVISED - |
| PLOT DATE = | DRAWN - DMH | REVISED - |
| | CHECKED - NDR | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAILING DETAILS
STRUCTURE NO. 016-W2503**

SHEET 11 OF 15 SHEETS

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1002 |
| CONTRACT NO. 62N91 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



SOIL BORING LOG

ROUTE FAP 342 DESCRIPTION US 12 (Rand Rd) LOGGED BY Gonzalez (AL)

SECTION 2018-100-BR LOCATION SE 1/4, SEC. 12, TWP. 42N, RNG. 10E, 3rd PM.
Latitude 42.1297074, Longitude 88.00510809

COUNTY Cook DRILLING METHOD Hollow Stem Auger (8" O.D., 3.25" I.D.) HAMMER TYPE Auto 140 lb HE

STRUCT. NO. 016W2503
(Proposed)
Station _____

BORING NO. GC-34 (R-RWB-01)
Station 3414+33
Offset 36.6 ft LT
Ground Surface Elev. 719.2 ft

| DEPTH (ft) | DIAMETER (ft) | UNIFORMITY COEFFICIENT (UC) | SOIL TYPE | MOISTURE (%) |
|------------|---------------|-----------------------------|---|--------------|
| 5 | 6 | | Stiff, Gray, Moist, CLAY, Some Gravel (continued) | |
| 5 | 2.8 | 18 | | |
| 6 | B | | | |
| 7 | | | | |
| 7 | 1.6 | 15 | | |
| 9 | B | | | |
| 7 | | | | |
| 7 | | 18 | | |
| 7 | | | | |
| 3 | | | | |
| 3 | 1.0 | 17 | | |
| 6 | P | | | |
| 6 | | | | |
| 7 | 1.0 | 15 | | |
| 5 | P | | | |
| 3 | | | | |
| 4 | 2.5 | 15 | | |
| 7 | B | | | |
| 4 | | | | |
| 5 | 1.9 | 13 | | |
| 6 | B | | | |
| 4 | | | | |
| 6 | 2.1 | 14 | | |
| 8 | B | | | |
| 6 | | | | |
| 6 | 1.6 | 16 | | |
| 9 | B | | | |

Boring terminated at 25 feet.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, M-Modified SPT)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE FAP 342 DESCRIPTION US 12 (Rand Rd) LOGGED BY Gonzalez (AL)

SECTION 2018-100-BR LOCATION SW 1/4, SEC. 7, TWP. 42N, RNG. 11E, 3rd PM.
Latitude 42.12930806, Longitude 88.00459569

COUNTY Cook DRILLING METHOD Hollow Stem Auger (8" O.D., 3.25" I.D.) HAMMER TYPE Auto 140 lb HE

STRUCT. NO. 016W2503
(Proposed)
Station _____

BORING NO. GC-35 (R-RWB-02)
Station 2412+88
Offset 30.4 ft RT
Ground Surface Elev. 720.2 ft

| DEPTH (ft) | DIAMETER (ft) | UNIFORMITY COEFFICIENT (UC) | SOIL TYPE | MOISTURE (%) |
|------------|---------------|-----------------------------|-----------|--------------|
| 5 | | | | |
| 7 | | | | |
| 9 | | | | |
| 7 | | | | |
| 7 | | | | |
| 7 | | | | |
| 7 | | | | |
| 7 | | | | |
| 3 | | | | |
| 3 | 1.0 | 17 | | |
| 6 | P | | | |
| 6 | | | | |
| 7 | 1.0 | 15 | | |
| 5 | P | | | |
| 3 | | | | |
| 4 | 2.5 | 15 | | |
| 7 | B | | | |
| 4 | | | | |
| 5 | 1.9 | 13 | | |
| 6 | B | | | |
| 4 | | | | |
| 6 | 2.1 | 14 | | |
| 8 | B | | | |
| 6 | | | | |
| 6 | 1.6 | 16 | | |
| 9 | B | | | |

Soft, Brown, Wet, SILTY CLAY, Trace Sand, Trace Gravel
Soft, Brown, Moist, GRAVELLY SANDY LOAM (A-4)
LL=23, PL=16, PI=7
33% Gravel, 32% Sand, 22% Silt, 13% Clay
Soft, Brown, Moist, SANDY LOAM (A-4), Some Gravel
LL=24, PL=16, PI=8, Wet Unit Wt=127pcf
15% Gravel, 37% Sand, 31% Silt, 17% Clay
Boring terminated at 12 feet.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, M-Modified SPT)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

MODEL: Default
FILE NAME: S:\JOLI\6300--6399\6346\113\Drawings\CAD\Micro-55A\CAD_Sheets\016W2503-C2-014-SBL.dgn



| | | |
|--------------|----------------|-----------|
| USER NAME = | DESIGNED - BRL | REVISER - |
| | CHECKED - DDR | REVISER - |
| PLOT SCALE = | DRAWN - DMH | REVISER - |
| PLOT DATE = | CHECKED - NDR | REVISER - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS (3 OF 4)
STRUCTURE NO. 016-W2503
SHEET 14 OF 15 SHEETS

| | | | | |
|-----------------|---------------------|-------------|-------------------|---------------------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1005 |
| | | | | CONTRACT NO. 62N91 |
| | | | | ILLINOIS FED. AID PROJECT |



SOIL BORING LOG

Date 05/09/23

ROUTE FAP 342 DESCRIPTION US 12 (Rand Rd) LOGGED BY Gonzalez (AL)

SECTION 2018-100-BR LOCATION SW 1/4, SEC. 7, TWP. 42N, RNG. 11E, 3rd PM,

Latitude 42.12930806, Longitude 88.00459569

COUNTY Cook DRILLING METHOD Hand Hammer Stem Auger (8" O.D., 3.25" I.D.) HAMMER TYPE Auto 140 lb HE

STRUCT. NO. 016W2503
Station (Proposed)

BORING NO. GC-36 (R-RWB-03)
Station 2412+91
Offset 26.8 ft RT
Ground Surface Elev. 720.2 ft

| DEPTH T W H (ft) | B L O W S (/6") | U C S Qu | M O I S T (%) | Surface Water Elev. | D E P T H (ft) | B L O W S (/6") | U C S Qu | M O I S T (%) |
|------------------------|--------------------|-------------|------------------|---------------------|-------------------|--------------------|-------------|------------------|
| | | | | ft | | | | |
| 719.9 | | | | | | | | |
| 718.8 | 3 | | | | | 7 | | |
| | 1 | 1.0 P | 23 | | | 11 | 2.5 B | 13 |
| 716.7 | 3 | | | | | 5 | | |
| | 3 | 0.1 B | 23 | | | 6 | 1.9 B | 15 |
| | 4 | | | | 695.2 | 9 | | |
| 714.7 | | | | | | | | |
| | 0 | | | | | | | |
| | 0 | 0.3 B | 30 | | | | | |
| | 2 | | | | | | | |
| | 0 | | | | | | | |
| | 0 | | 25 | | | | | |
| | 1 | | | | | | | |
| 709.7 | | | | | | | | |
| | 4 | | | | | | | |
| | 5 | 1.9 B | 16 | | | | | |
| | 8 | | | | | | | |
| | 4 | | | | | | | |
| | 5 | 1.2 B | 17 | | | | | |
| | 7 | | | | | | | |
| | 4 | | | | | | | |
| | 6 | 2.1 B | 15 | | | | | |
| | 10 | | | | | | | |
| | 5 | | | | | | | |
| | 6 | 2.4 B | 14 | | | | | |
| | 9 | | | | | | | |
| -20 | | | | | | | | |

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

BBS, form 137 (Rev. 8-99)

MODEL: Default
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| USER NAME = | DESIGNED - BRL | REVISED - |
| PLOT SCALE = | CHECKED - DDR | REVISED - |
| PLOT DATE = | DRAWN - DMH | REVISED - |
| | CHECKED - NDR | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS (4 OF 4)
STRUCTURE NO. 016-W2503

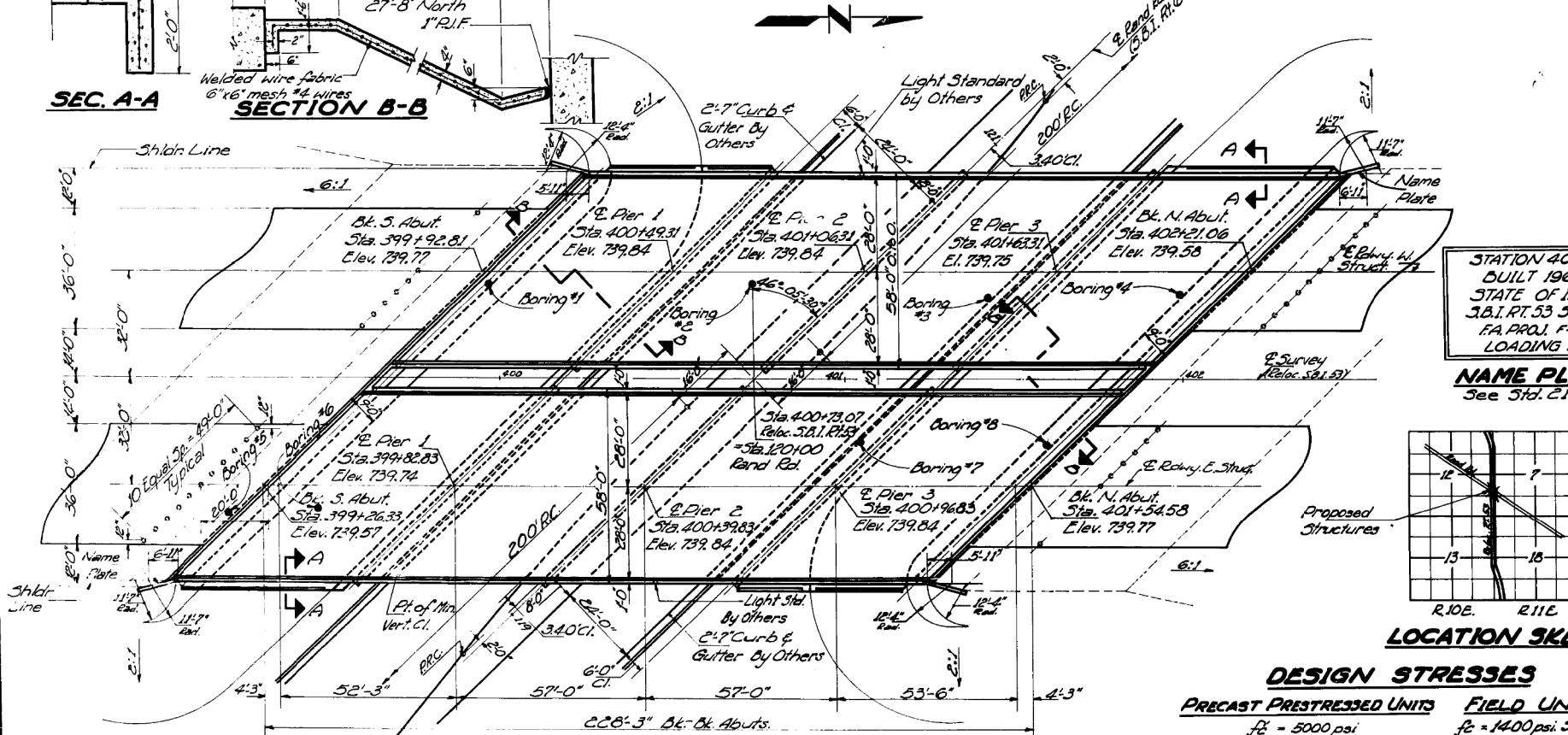
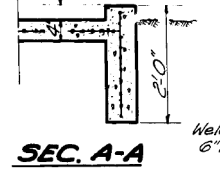
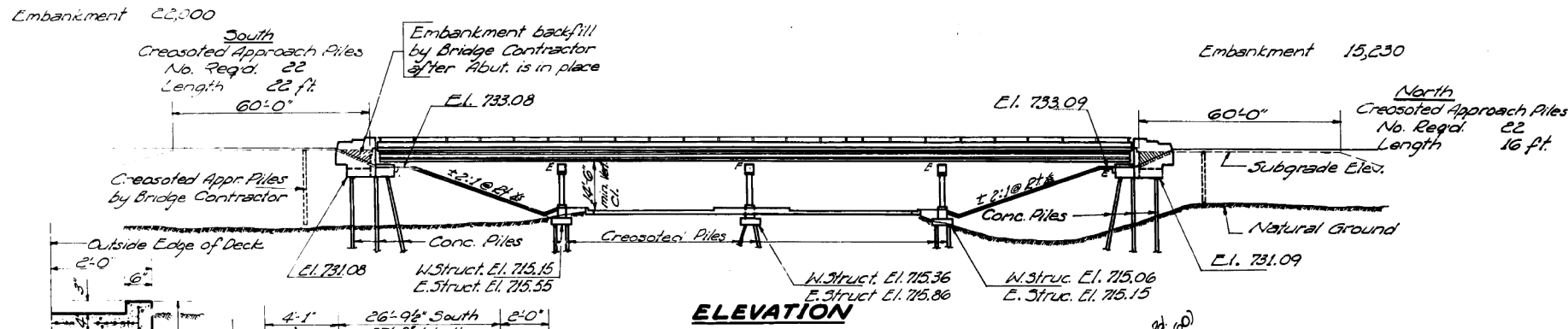
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1006 |
| CONTRACT NO. 62N91 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SHEET 15 OF 15 SHEETS

3.1'-R.R. Spike in S. face RR on North side Rand
ca. 130'± E. of intersection Wike & Rand Rd.
Elev. 723.52

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

| | | | | |
|--------------------------|---------|--------|--------------|-----------|
| DATE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 7/15/64 | 348-2 | COOK | 25 | 7 |
| SHEET NO. 1 OF 16 SHEETS | | | | |



GENERAL NOTES

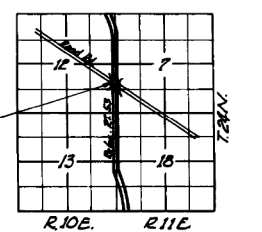
Glass X Concrete shall be used throughout.
Coarse aggregate to be used in parapet handrails and end post must be absolutely free of chert, flint, limonite, lignite and soft sandstone.
The concrete floor slab shall be finished in accordance with Art. 51.19 of the Standard Specifications.
Slope wall shall be reinforced with welded wire fabric, 6"x6" mesh, weighing 50 lbs. per sq. ft.
All reinforcement bars shall be lapped a minimum of 20 diameters unless otherwise shown.
All structural steel shall comply with the Specifications for Structural Steel A.S.T.M. Designation A-36.
Roadway expansion guards shall be assembled in the shop in proper position with the ends in place and shall be left assembled for shop inspection.
The exposed surfaces of the expansion guard shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.
Expansion guards are included in the quantity of Structural Steel. Estimated weight 20960 lbs.
The Contractor shall drive 2 concrete test piles, one at each abutment in a permanent location; 2 timber test piles, one in the vicinity of Pier 1 E. Structure and one in the vicinity of Pier 3 W. Structure as directed by the Engineer before ordering the remainder of piles.
Concrete piles at abutments shall be driven in holes precored through the embankment in accordance with Art. 60.9 (c) of the Standard Specifications.
Permanent forms will not be permitted in forming the concrete floor.
Excavation for slope wall shall be considered as incidental to the cost of the slope wall.

STATION 400+73.07
BUILT 196 BY
STATE OF ILLINOIS
S.B.I. RT. 53 SEC. 531-348-2
F.A. PROJ. F-184(41)
LOADING H520

NAME PLATE
See Std. 2113-1

TOTAL BILL OF MATERIAL

| Item | Super | Sub | Total |
|---|--------|--------|--------|
| Embankment Cu. Yds | | | 51,230 |
| Class A Exc. for Struct. Cu. Yds | | | 560 |
| Structural Steel Lbs. | 27460 | | 27460 |
| Furnishing and Erecting | | | |
| Precast Prestressed Concrete I-Beam, 42" Lin. Ft. | 3962 | | 3962 |
| Class X Concrete Cu. Yds | 18910 | 10176 | 29086 |
| Protective Coat Sq. Yds | 3153 | | 3153 |
| Aluminum Handrail Lin. Ft. | 891 | | 891 |
| Reinforcement Bars Lbs. | 184870 | 109100 | 293970 |
| Creosoted Piles Lin. Ft. | 5732 | 3732 | 9464 |
| Test Piles (Timber) Ea. | 2 | 2 | 4 |
| Concrete Piles Lin. Ft. | 4000 | 4000 | 8000 |
| Test Piles (Concrete) Ea. | 2 | 2 | 4 |
| Name Plates Ea. | 2 | 2 | 4 |
| Slope Wall (4') Sq. Yds | | | 1516 |

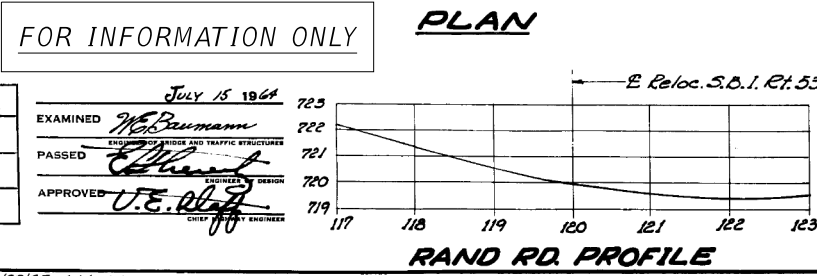


DESIGN STRESSES

PRECAST PRESTRESSED UNITS
 $f_c = 5000$ psi
 $f_{ti} = 4000$ psi
 $f_s = 248,000$ psi (cables)
 $f_{ei} = 173,600$ psi

FIELD UNITS
 $f_c = 1400$ psi Sub. & Super
 $v_c = 75$ psi Ftgs.
 $f_s = 20,000$ psi Reinf.
 $f_s = 20,000$ psi Struct. (A-36)
 $n = 10$

LOADING H520-44



DESIGNED: [Signature]
 CHECKED: [Signature]
 DRAWN: [Signature]
 CHECKED: [Signature]

EXAMINED: [Signature]
 PASSED: [Signature]
 APPROVED: [Signature]

PROJ. F-184(41)
GENERAL PLAN & ELEVATION
S.B.I. RT. 53 SEC. 531-348-2
COOK COUNTY
STA. 400+73.07

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

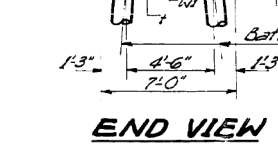
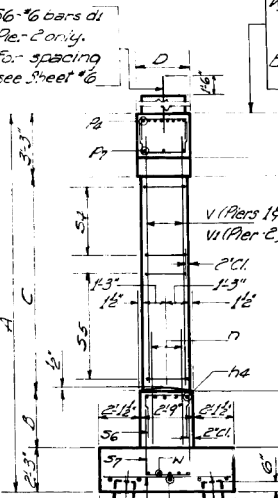
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|---|---------|--------|--------------|-----------|-------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 9 |
| S. & E. 61 | 318-2 | COOK | 25 | 16 | 16 SHEETS |
| FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT | | | | | |

FEED DIMENSIONS

| Bar | F | G |
|-----|-------|-------|
| 52 | 2'-8" | 2'-0" |
| 53 | 2'-5" | 2'-0" |
| 54 | 2'-2" | 2'-7" |
| 55 | 2'-2" | 2'-2" |
| 56 | 2'-5" | 2'-0" |
| 57 | 2'-5" | 4'-2" |

BARS 52 to 57

PILE DATA
Type - Creosoted
Capacity - 23 Tons
Est. Length - 24 Ft.
No. Required - 204
Test Piles - 2



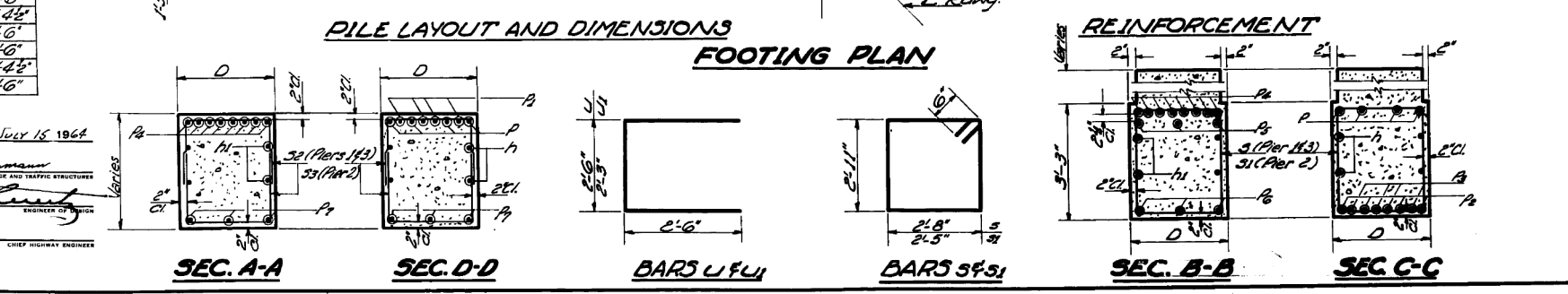
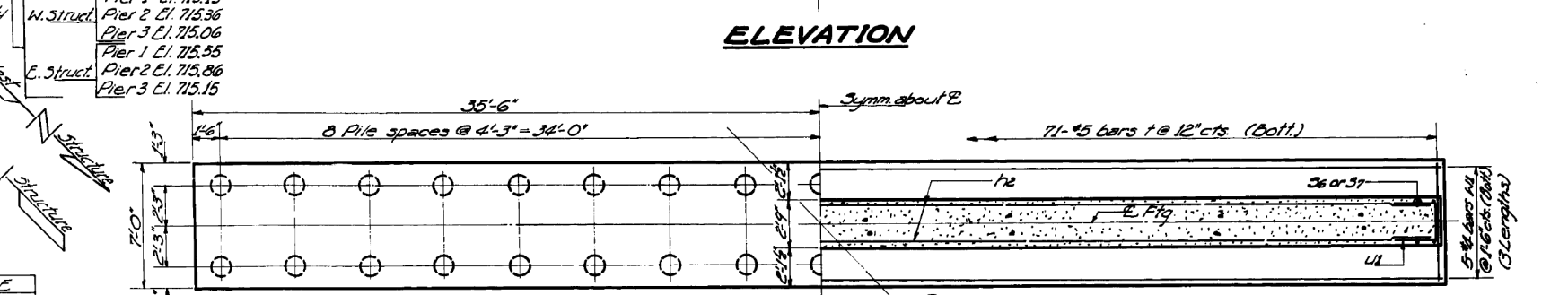
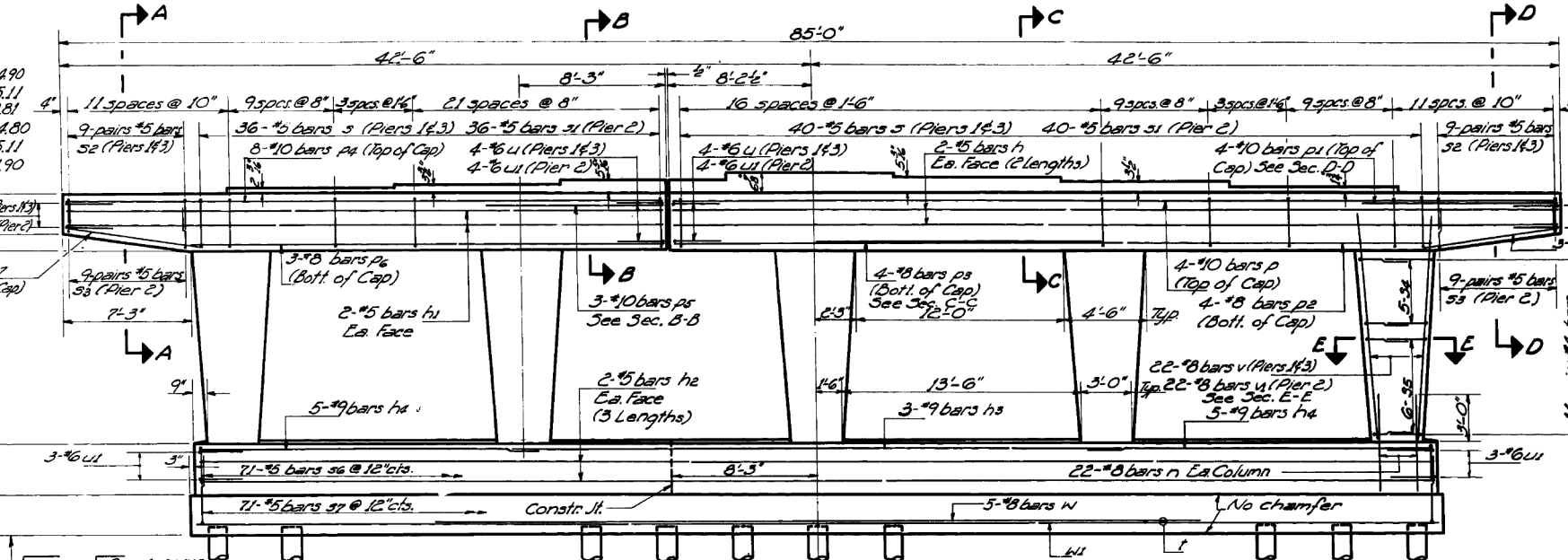
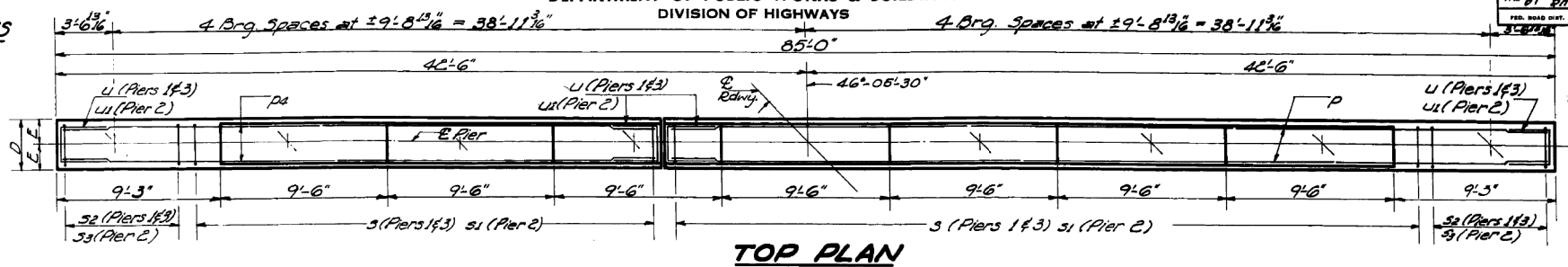
FOR INFORMATION ONLY

TABLE OF DIMENSIONS

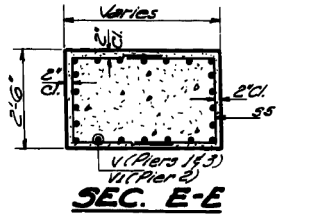
| Location | A | B | C | D | E |
|-----------|---------------|-------|--------|-------|-----------|
| W.Struct. | Pier 1 19'-9" | 3'-9" | 10'-6" | 3'-0" | 1'-6" |
| | Pier 2 19'-9" | 3'-0" | 11'-3" | 2'-9" | 1'-4 1/2" |
| | Pier 3 19'-9" | 3'-9" | 10'-6" | 3'-0" | 1'-6" |
| E.Struct. | Pier 1 19'-3" | 3'-9" | 10'-0" | 3'-0" | 1'-6" |
| | Pier 2 19'-3" | 3'-0" | 10'-9" | 2'-9" | 1'-4 1/2" |
| | Pier 3 19'-9" | 3'-9" | 10'-6" | 3'-0" | 1'-6" |

DESIGNED: [Signature]
CHECKED: [Signature]
DRAWN: [Signature]
CHECKED: [Signature]

EXAMINED: [Signature] July 18 1964
PASSED: [Signature]
APPROVED: [Signature] CHIEF HIGHWAY ENGINEER



Note: All edges shall have standard 3/8" chamfers except as noted. Pour steps monolithically with cap.



SIX PIERS BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|--------------------------------|-----|------|--------|-------|
| n | 48 | #5 | 23'-9" | □ |
| h1 | 24 | #5 | 33'-9" | □ |
| h2 | 72 | #5 | 24'-4" | □ |
| h3 | 18 | #9 | 35'-0" | □ |
| h4 | 60 | #9 | 19'-6" | □ |
| d1 | 12 | #6 | 3'-0" | □ |
| n | 660 | #8 | 6'-0" | □ |
| D | 24 | #10 | 50'-3" | □ |
| D1 | 24 | #10 | 10'-0" | □ |
| D2 | 24 | #8 | 43'-0" | □ |
| D3 | 24 | #8 | 16'-6" | □ |
| D4 | 48 | #10 | 33'-9" | □ |
| D5 | 18 | #10 | 9'-0" | □ |
| D6 | 18 | #8 | 26'-6" | □ |
| D7 | 36 | #5 | 7'-6" | □ |
| s | 304 | #5 | 12'-2" | □ |
| s1 | 152 | #5 | 11'-8" | □ |
| s2 | 144 | #5 | 6'-8" | □ |
| s3 | 72 | #5 | 6'-5" | □ |
| s4 | 300 | #4 | 7'-4" | □ |
| s5 | 360 | #4 | 6'-6" | □ |
| s6 | 426 | #5 | 8'-1" | □ |
| s7 | 426 | #5 | 10'-9" | □ |
| t | 426 | #5 | 6'-6" | □ |
| u | 56 | #6 | 7'-6" | □ |
| u1 | 64 | #6 | 7'-5" | □ |
| v | 440 | #8 | 12'-3" | □ |
| v1 | 220 | #8 | 13'-0" | □ |
| w | 30 | #8 | 43'-6" | □ |
| w1 | 90 | #4 | 24'-2" | □ |
| Class & Concrete Cu Yds. 694.6 | | | | |
| Reinf. Bars Lbs. 90190 | | | | |
| Creosoted Piles Lin. Ft. 4396 | | | | |
| Test Piles (Timber) Ca. E | | | | |

PIERS
S. & E. RT. 53 SEC. 531-3H62
COOK COUNTY
STA. 400+73.07

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SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

| | | |
|--------------|------------------------|-----------|
| USER NAME = | DESIGNED - [Signature] | REVISIONS |
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| PLOT DATE = | DRAWN - DMH | REVISIONS |
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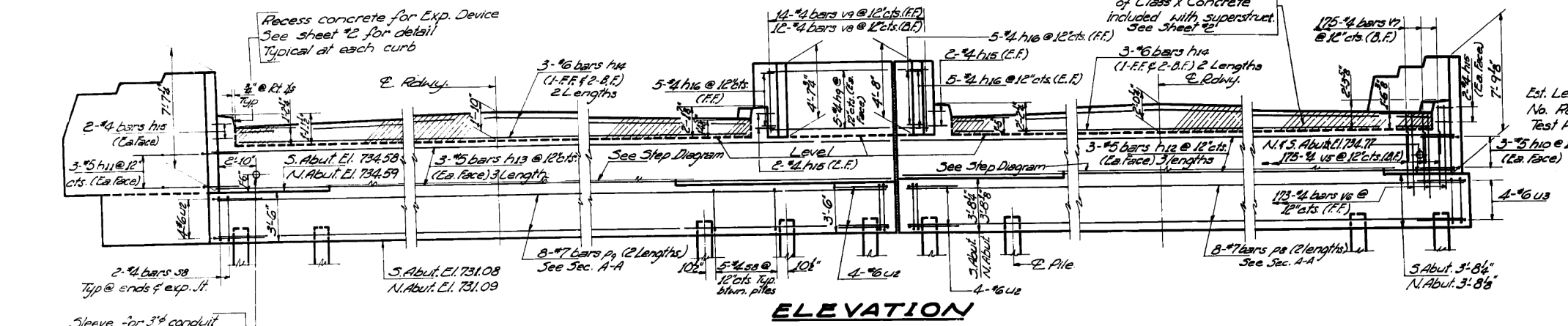
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DEPARTMENT OF TRANSPORTATION

EXISTING DRAWINGS (2 OF 6)
STRUCTURE NO. 016-W2503

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1008 |
| CONTRACT NO. 62N91 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

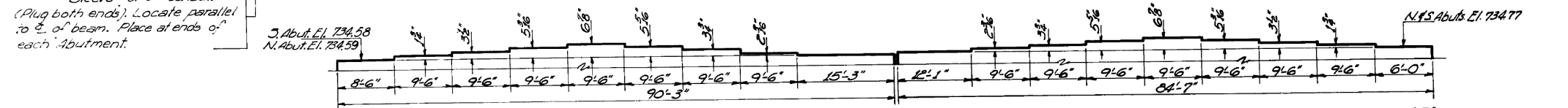
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

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|-----------|---------|--------|--------------|-----------|--------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. 10 |
| 531-348-2 | COOK | 25 | 17 | 16 SHEETS | |



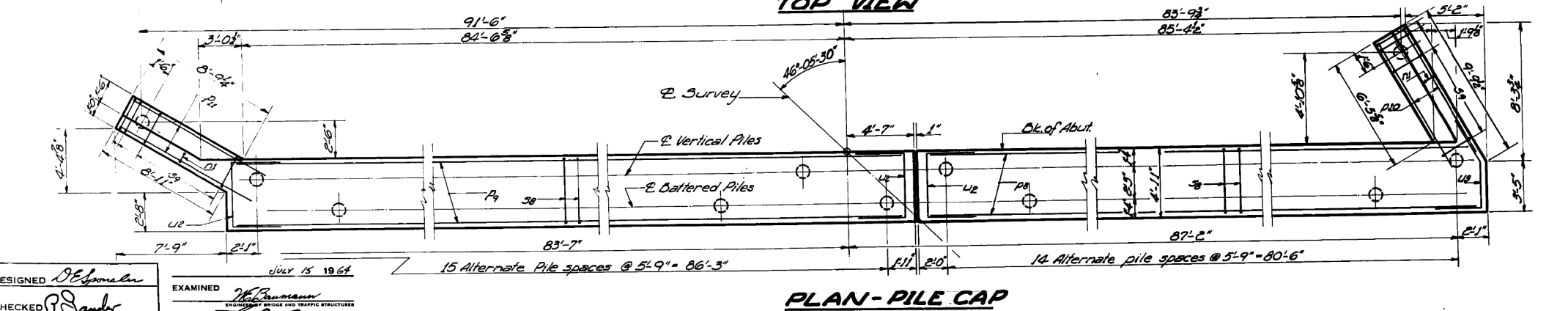
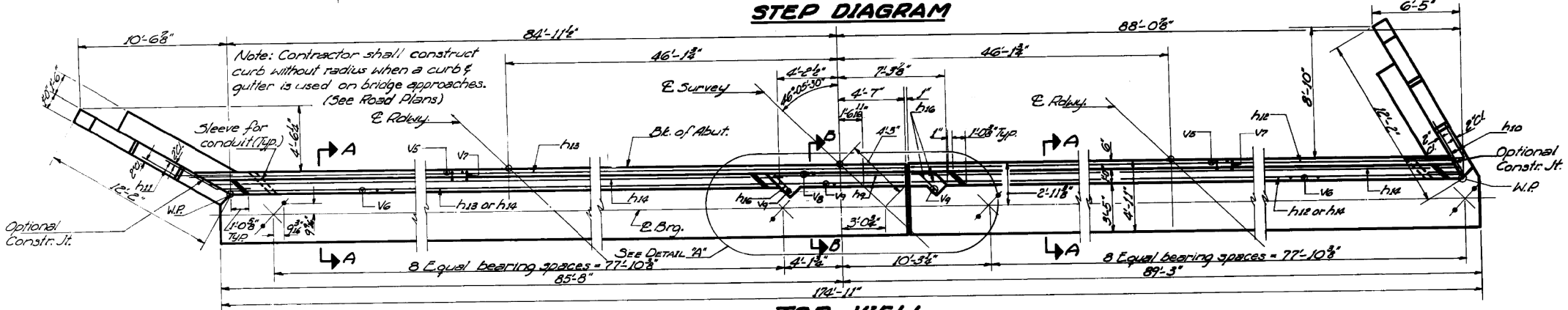
PILE DATA
Type - Concrete
Capacity - 44 Tons
3 Abut. N. Abut.
Est. Length 68 Ft. 57 Ft.
No. Req'd. 33 33
Test Piles 1 1

Note:
Space reinforcement in cap to miss anchor bolts.
All edges shall have standard 3/8" chamfers except as noted.
Four steps monolithically with cap.
See Sht. #11 for abut. details.



**TWO ABUTMENTS
BILL OF MATERIAL**

| Bar | No. | Size | Length | Shape |
|---------------------------|--------|------|--------|-------|
| h5 | 8 | 42 | 31.2' | |
| h6 | 8 | 42 | 61.10' | |
| h7 | 24 | 42 | 101.6' | |
| h8 | 32 | 42 | 111.8' | |
| h9 | 28 | 42 | 81.6' | |
| h10 | 12 | 45 | 61.6' | |
| h11 | 12 | 45 | 61.6' | |
| h12 | 36 | 45 | 281.9' | |
| h13 | 36 | 45 | 311.9' | |
| h14 | 24 | 46 | 401.0' | |
| h15 | 32 | 42 | 111.5' | |
| h16 | 40 | 42 | 111.6' | |
| h17 | 36 | 42 | 81.9' | |
| h18 | 32 | 47 | 431.0' | |
| h19 | 32 | 47 | 251.9' | |
| h20 | 12 | 47 | 91.0' | |
| h21 | 12 | 47 | 101.6' | |
| u8 | 306 | 42 | 161.4' | □ |
| u9 | 36 | 42 | 91.6' | □ |
| u2 | 24 | 46 | 101.6' | □ |
| u3 | 8 | 46 | 101.2' | □ |
| v2 | 32 | 42 | 71.5' | |
| v3 | 24 | 42 | 61.6' | |
| v4 | 40 | 42 | 31.9' | |
| v5 | 350 | 42 | 41.0' | |
| v6 | 346 | 42 | 61.3' | |
| v7 | 350 | 42 | 41.0' | |
| v8 | 24 | 42 | 31.5' | |
| v9 | 28 | 42 | 41.3' | |
| Class X Concrete Cu. Yds. | 923.0 | | | |
| Rein. Bars Lbs. | 18,990 | | | |
| Concrete Piles Lin. Ft. | 4,000 | | | |
| Test Piles (Conc.) Ea. | 2 | | | |



DESIGNED *J.E. Sporn*
CHECKED *P. Jander*
DRAWN *P. Jander*
CHECKED *J.E.S.*

EXAMINED *J. E. Sporn*
PASSED *J. E. Sporn*
APPROVED *J. E. Sporn*

JULY 15 1964

FOR INFORMATION ONLY

**ABUTMENTS
S.A. RT. 53 SEC. 531-348-2
COOK COUNTY
STA. 400+73.07**

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2/10/2025 5:09:01 PM



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|--------------|-------------------|-----------|
| USER NAME = | DESIGNED - J.E.S. | REVISOR - |
| PLOT SCALE = | CHECKED - DDR | REVISOR - |
| PLOT DATE = | DRAWN - DMH | REVISOR - |
| | CHECKED - NDR | REVISOR - |

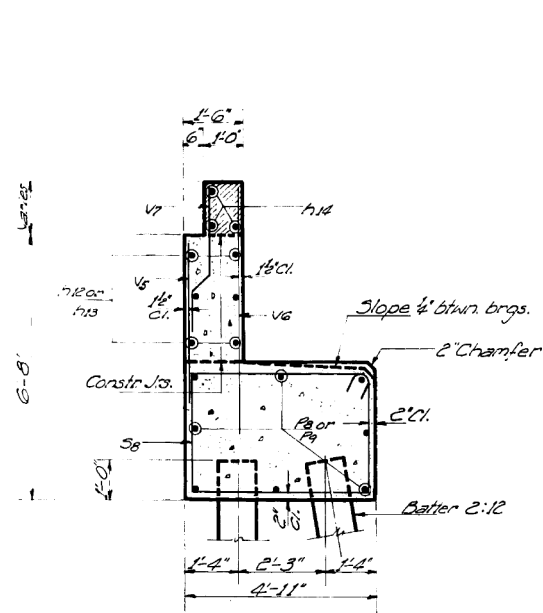
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING DRAWINGS (3 OF 6)
STRUCTURE NO. 016-W2503

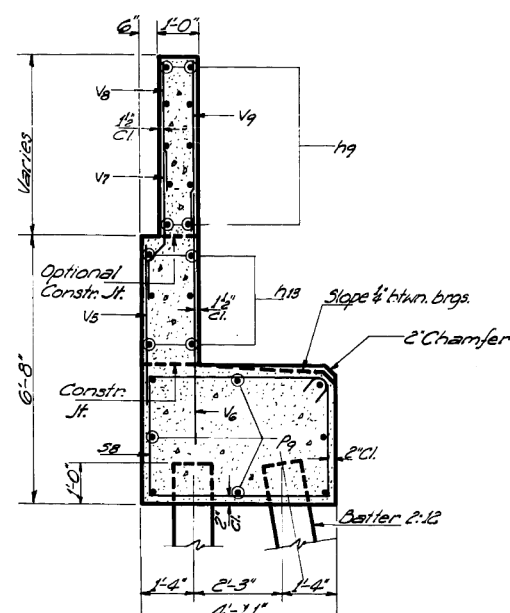
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|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1009 |
| CONTRACT NO. 62N91 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

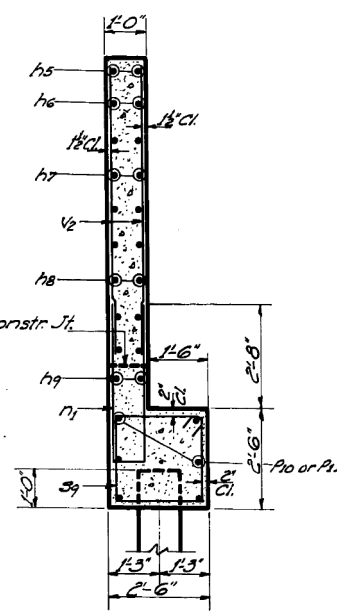
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|---------------------------|---------|--------|--------------|-----------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 531-348-2 | | COOK | 25 | 18 |
| SHEET NO. 11 16 SHEETS | | | | |



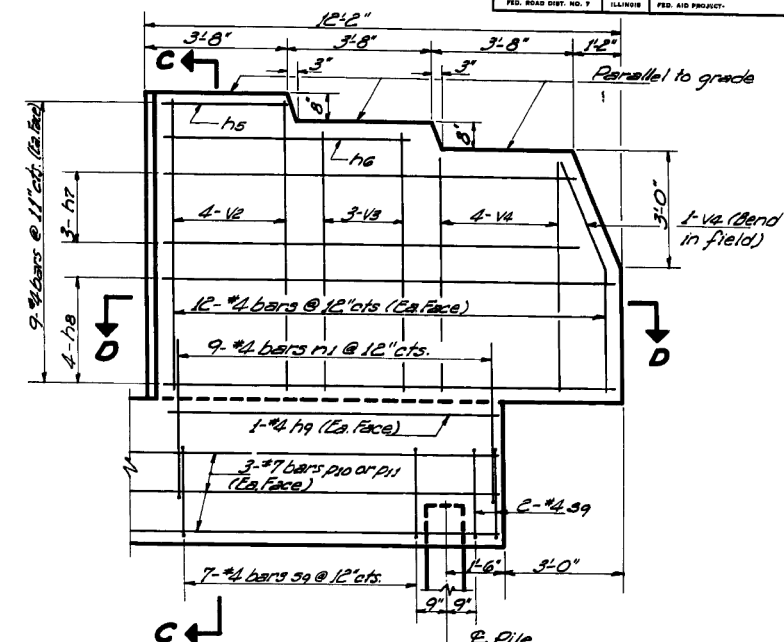
SECTION A-A



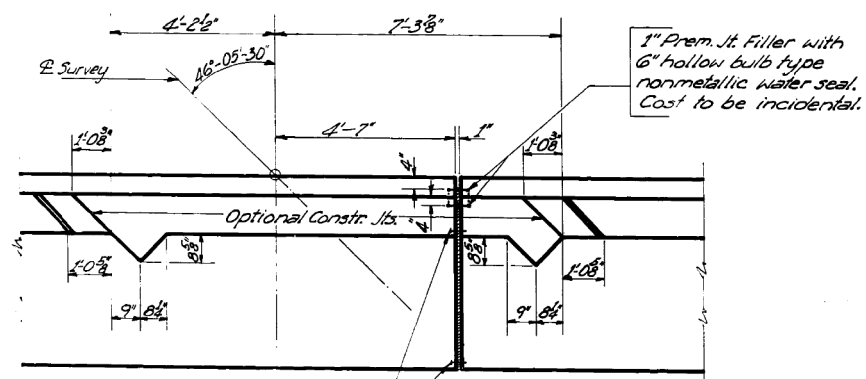
SECTION B-B



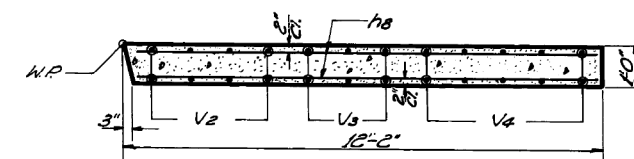
SEC. C-C



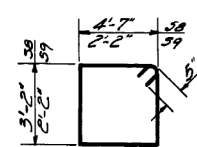
WING WALL ELEVATION



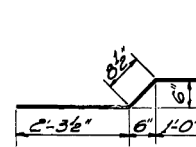
DETAIL 'A'



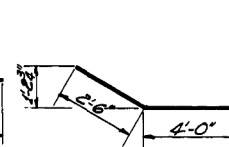
SECTION D-D



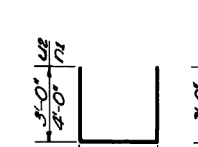
BARS s8 & s9



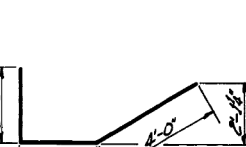
BAR V7



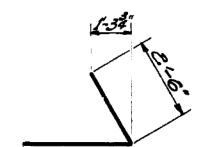
BAR h11



BARS u8 & r1



BAR u3



BAR h10

| | |
|-----------------------------------|-----------------------------|
| DESIGNED <i>J. J. [Signature]</i> | EXAMINED <i>[Signature]</i> |
| CHECKED <i>[Signature]</i> | PASSED <i>[Signature]</i> |
| DRAWN <i>[Signature]</i> | APPROVED <i>[Signature]</i> |
| CHECKED <i>[Signature]</i> | |

July 15 1964

FOR INFORMATION ONLY

ABUTMENT DETAILS
S.B.1. RT. 53 SEC. 531-348-2
COOK COUNTY
STA. 400+73.07

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SA
STRAND
ASSOCIATES

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME =
PLOT SCALE =
PLOT DATE =

DESIGNED - BBE
CHECKED - DDR
DRAWN - DMH
CHECKED - NDR

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING DRAWINGS (4 OF 6)
STRUCTURE NO. 016-W2503

| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1010 |
| CONTRACT NO. 62N91 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

| | | | | | |
|-----------|---------|--------|--------------|-----------|------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHE NO. 16 |
| 531-348-2 | COOK | 25 | 23 | | 16 EETS |

Boring No. B-6
Station 399+42
Offset 30' E of C.L. of 53

| Depth (ft) | Description | Moisture (%) | Specific Gravity |
|------------|----------------------------------|--------------|------------------|
| 0 | BLACK ORGANIC CLAY | | |
| 1 | BROWN CLAY BLACK MUCK | | |
| 10 | BROWN CLAY GRAY GRAVELLY CLAY | | |
| 9 | BROWN TO GRAY GRITTY CLAY | 2.13 | B |
| 10 | GRAY GRITTY CLAY | 2.13 | B |
| 7 | GRAY GRITTY CLAY | 1.37 | B |
| 6 | GRAY GRITTY CLAY | 1.37 | B |
| 10 | GRAY GRITTY CLAY | 1.63 | B |
| 9 | GRAY CLAYEY GRAVELLY SILT | | |
| 8 | GRAY CLAYEY GRAVELLY SILT | | |
| 11 | GRAY GRITTY CLAY | 1.30 | B |
| 10 | GRAY CLAY | 1.60 | B |
| 11 | GRAY CLAY | 1.63 | B |
| 7 | GRAY CLAYEY GRAVELLY SILT | | |
| 14 | GRAY CLAYEY GRAVELLY SILT | | |
| 14 | GRAY CLAY | 2.25 | P |
| 17 | GRAY CLAY | 3.10 | B |

END OF BORING

Surface Water El. _____
Groundwater El. at Completion 5'
After _____ Hours _____

Boring No. B-7
Station 401+05
Offset 19' E of C.L. of 53

| Depth (ft) | Description | Moisture (%) | Specific Gravity |
|------------|-------------------------------|--------------|------------------|
| 0 | BROWN GRAVELLY CLAY | | |
| 9 | BROWN GRAVELLY CLAY | | |
| 10 | BROWN SILTY CLAY | 3.30 | B |
| 10 | GRAY GRITTY CLAY | 2.91 | B |
| 10 | GRAY GRITTY CLAY | 3.30 | B |
| 6 | GRAY GRITTY CLAY | 2.91 | B |
| 6 | GRAY GRITTY CLAY | 2.98 | B |
| 5 | GRAY GRITTY CLAY | 2.98 | B |
| 10 | GRAY GRITTY CLAY GRAY SAND | 2.91 | B |
| 10 | GRAY SAND | | |
| 10 | GRAY CLAY | 2.13 | B |
| 11 | GRAY CLAY | 2.13 | B |
| 9 | GRAY CLAYEY GRAVELLY SILT | | |
| 9 | GRAY CLAY | 2.91 | B |
| 15 | GRAY CLAYEY GRAVELLY SILT | | |
| 14 | GRAY CLAYEY GRAVELLY SILT | | |
| 18 | GRAY CLAYEY GRAVELLY SILT | | |
| 40 | GRAY CLAYEY GRAVELLY SILT | | |

END OF BORING

Surface Water El. _____
Groundwater El. at Completion 2.12'
After _____ Hours _____

Boring No. B-8
Station 401+80
Offset 19' E of C.L. of 53

| Depth (ft) | Description | Moisture (%) | Specific Gravity |
|------------|--------------------------------|--------------|------------------|
| 0 | BLACK ORGANIC CLAY | | |
| 12 | BROWN SANDY CLAY | 2.50 | P |
| 9 | BROWN SANDY CLAY | 2.50 | P |
| 6 | BROWN SANDY GRAVELLY CLAY | 1.24 | S |
| 5 | GRAY CLAY | 2.91 | B |
| 9 | GRAY SILTY CLAY | 2.25 | P |
| 9 | GRAY GRITTY CLAY | 3.30 | B |
| 9 | GRAY GRITTY CLAY | 2.91 | B |
| 10 | GRAY GRITTY CLAY | 3.88 | B |
| 3 | GRAY SANDY GRAVEL GRAY CLAY | 1.12 | P |
| 7 | GRAY SILTY GRAVEL | | |
| 6 | GRAY SANDY SILT | | |
| 11 | GRAY CLAY W/STONES | 2.33 | B |
| 16 | GRAY CLAY | 3.88 | B |
| 9 | GRAY CLAY | 2.33 | B |
| 9 | GRAY CLAY W/STONES | 1.30 | B |
| 8 | GRAY GRITTY SILTY CLAY | 1.50 | B |
| 7 | GRAY GRITTY SILTY CLAY | 1.98 | B |

END OF BORING

Surface Water El. _____
Groundwater El. at Completion 5'
After _____ Hours _____

H-Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spore Sampler 1/2" with 140g hammer falling 30"

Qc-Unconfined Compressive Strength - 1/4"

w-Water Content - percentage of oven dry weight - %

Type Abbrev:
B-Edge Failure
S-Shear Failure
E-Estimated Value

FOR INFORMATION ONLY

BORINGS
S.A. RT. 53 SEC. 531-348-2
COOK COUNTY
STA. 400+73.07

| | |
|----------|--------------------|
| DESIGNED | <i>[Signature]</i> |
| CHECKED | <i>[Signature]</i> |
| DRAWN | <i>[Signature]</i> |
| CHECKED | <i>[Signature]</i> |

July 15 1964

| | |
|----------|--------------------|
| EXAMINED | <i>[Signature]</i> |
| PASSED | <i>[Signature]</i> |
| APPROVED | <i>[Signature]</i> |

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

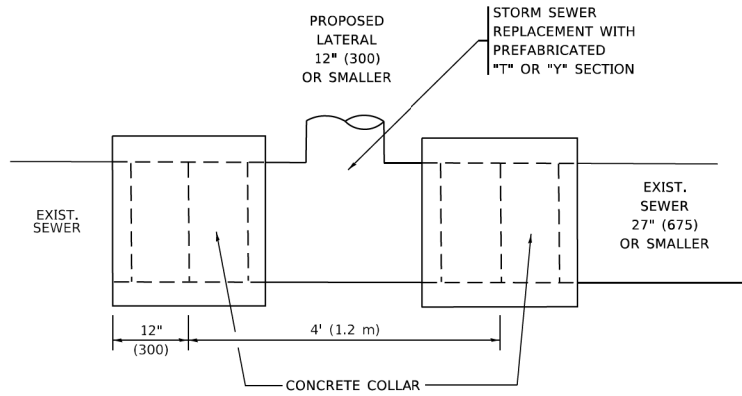
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| PLOT DATE = | DRAWN - DMH | REVISED - |
| | CHECKED - NDR | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING DRAWINGS (6 OF 6)
STRUCTURE NO. 016-W2503

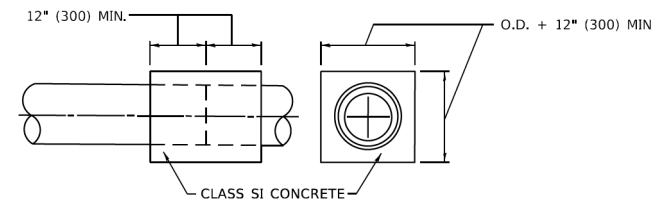
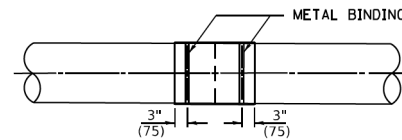
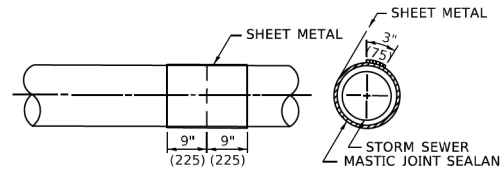
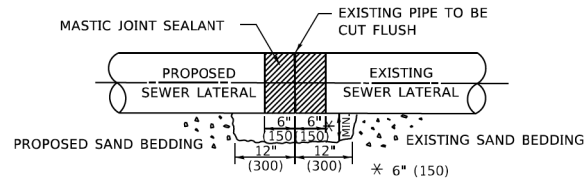
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1012 |
| CONTRACT NO. 62N91 | | | | |

ILLINOIS FED. AID PROJECT



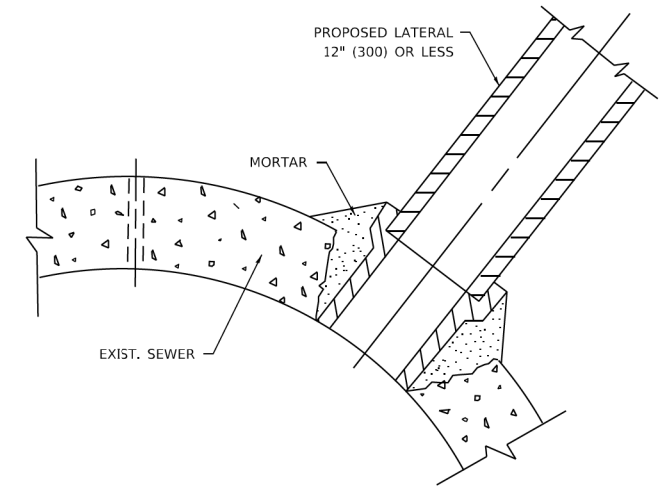
DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

- TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
- TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
- CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

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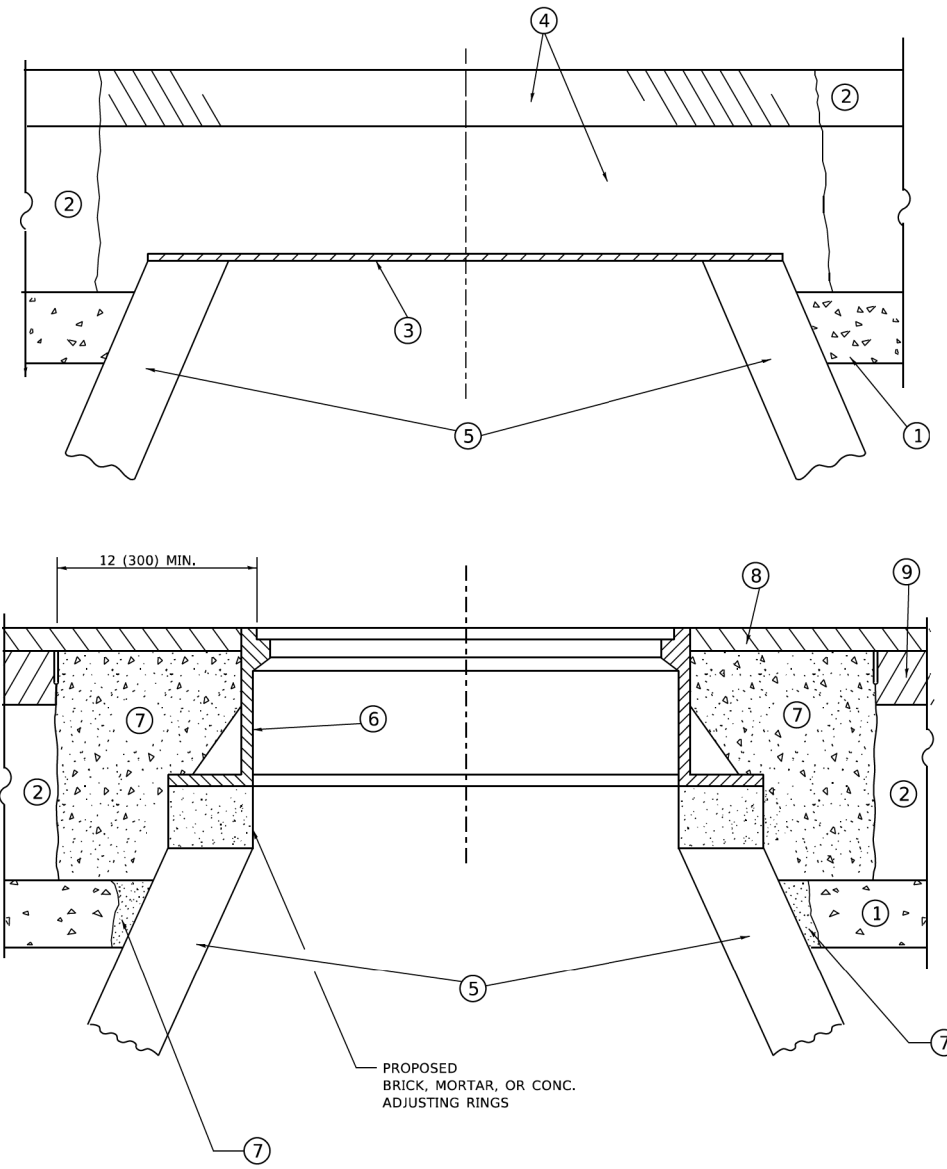
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|-------------------------------|-----------------------|-----------------------------|
| USER NAME = Lawrence,DeManche | DESIGNED - M. DE YONG | REVISED - R. SHAH 09-09-94 |
| | DRAWN - | REVISED - R. SHAH 10-25-94 |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - R. SHAH 06-12-96 |
| PLOT DATE = 11/18/2022 | DATE - 07-25-90 | REVISED - K. SMITH 11-18-22 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

| | | | | |
|---------------------------|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1013 |
| BD500-01 (BD-07) | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |



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

NOTES

1. 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.
2. 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.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

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 HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).
- 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-2* 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 | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

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

1. 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)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. 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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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|-------------------------------|--------------------|-----------------------------|
| USER NAME = Lawrence,DeManche | DESIGNED - R. SHAH | REVISED - R. BORO 03-09-11 |
| | DRAWN - | REVISED - R. BORO 12-06-11 |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - K. SMITH 11-18-22 |
| PLOT DATE = 9/15/2023 | DATE - 10-25-94 | REVISED - K. SMITH 09-15-23 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
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| DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING | | | |
| SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA. | |

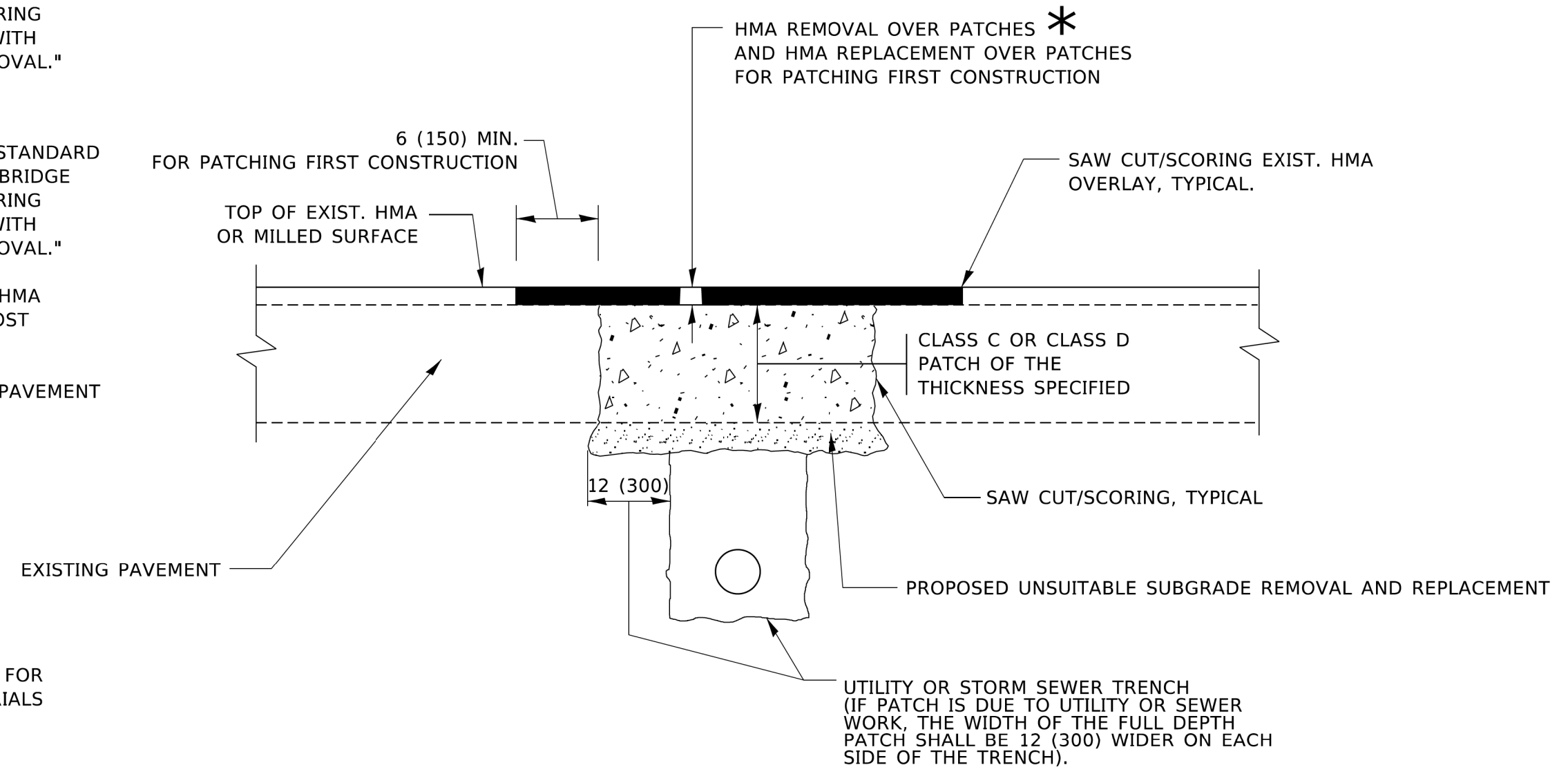
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1014 |
| BD600-03 (BD-08) | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

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.

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|-------------------------------|--------------------|-----------------------------|
| USER NAME = Lawrence.DeManche | DESIGNED - R. SHAH | REVISED - R. BORO 01-01-07 |
| | DRAWN - | REVISED - R. BORO 09-04-07 |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - K. ENG 10-27-08 |
| PLOT DATE = 11/18/2022 | DATE - 10-25-94 | REVISED - K. SMITH 11-18-22 |

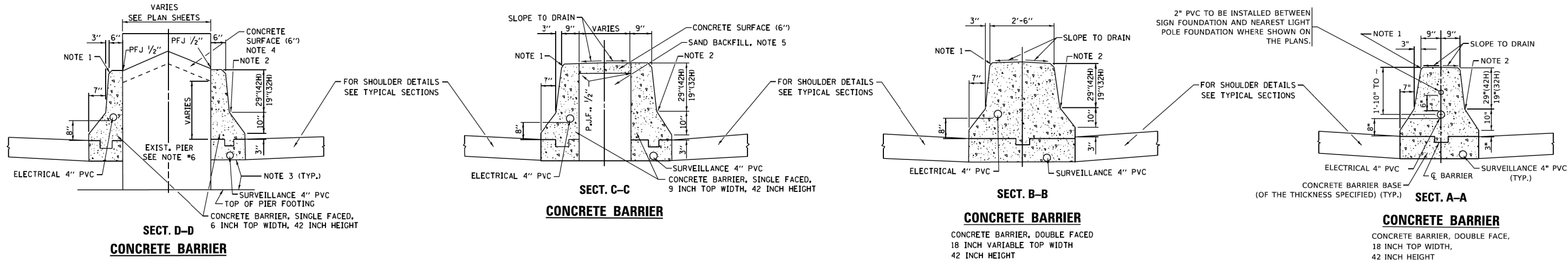
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

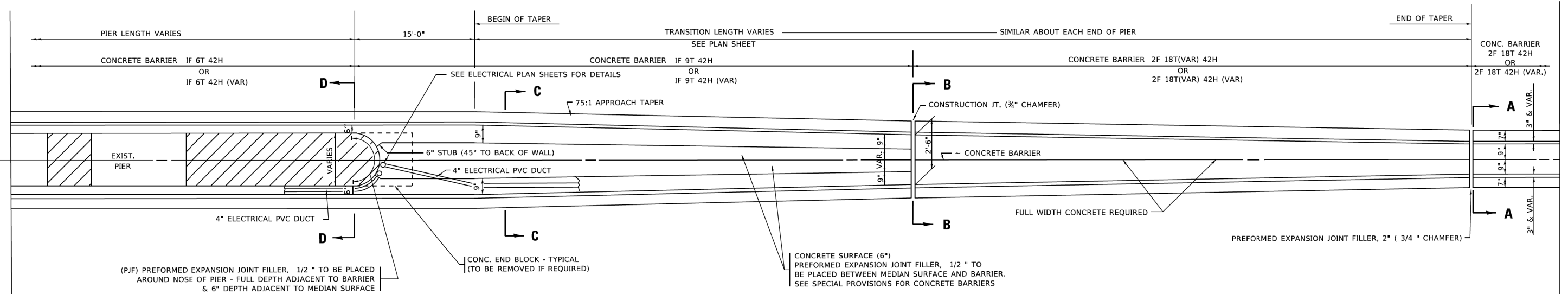
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1015 |
| BD400-04 (BD-22) | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

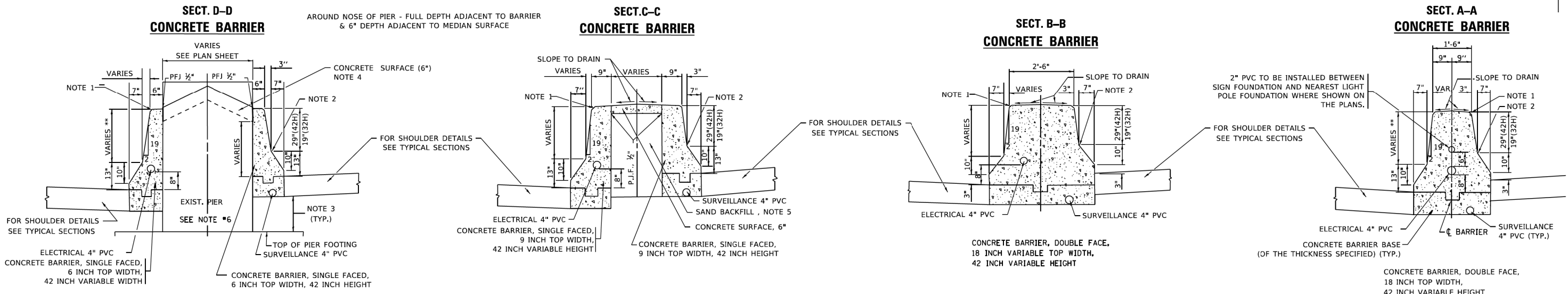
TANGENT CONDITION



PLAN VIEW OF CONCRETE BARRIER TRANSITION



(SUPER ELEVATION CONDITION)



GENERAL NOTES

- FOR UNDERDRAIN DETAILS SEE TYPICAL SECTIONS.
- FOR KEYWAY (F) DIMENSIONS, SEE TYPICAL SECTIONS.
- IF USING JOINTED CONCRETE BARRIER BASE, CONTRACTORS WILL HAVE THE OPTION OF USING A KEYWAY OR # TIE BARS AT O.C.
- MAINTAIN SLOPE OF FACE AS SHOWN ON DETAIL. HEIGHT AND WIDTH OF BARRIER INCREASE WHERE A DIFFERENCE IN MEDIAN EDGE-OF-PAVEMENT GRADE ELEVATION EXISTS.

NOTES:

- 3/4" CHAMFER OR 1" RADIUS (OPTIONAL)
- 10" RADIUS (OPTIONAL)
- EXTEND BOTTOM OF BARRIER TO FOOTING ONLY WHEN DEPTH IS 6" OR LESS, OTHERWISE MAINTAIN SAME DEPTH AS BOTTOM OF SHOULDER
- PIER FILLER MATERIAL TO BE CONCRETE IF MINIMUM 6" THICKNESS WILL BE MAINTAINED. IF 6" THICKNESS CANNOT BE MAINTAINED USE ASPHALT FILLER MATERIAL AS DIRECTED BY THE ENGINEER.
- SAND BACKFILL AND CONCRETE SURFACE WILL BE REQUIRED. FILLING WITH CONCRETE WILL NOT BE ALLOWED.
- IF PIER IS NEW CONSTRUCTION BARRIER WALL MAY BE MONOLITHIC

BASIS OF PAYMENT

- COST OF SAND BACKFILL, CONCRETE SURFACE (6"), AND PIER FILLER MATERIAL WILL BE PAID FOR SEPARATELY.
- PERFORMED JOINT FILLER SHALL BE INCLUDED IN THE UNIT COST FOR THE CONCRETE BARRIER OF THE TYPE INVOLVED.
- CONCRETE BARRIER BASE PAY ITEM IS TO BE INCLUDED IF THE BARRIER IS CONSTRUCTED MONOLITHIC OR JOINTED TO BASE. # TIE BARS AT O.C.
- REMOVAL OF CONCRETE BLOCK SHALL BE INCLUDED IN THE UNIT COST OF CONCRETE BARRIER.

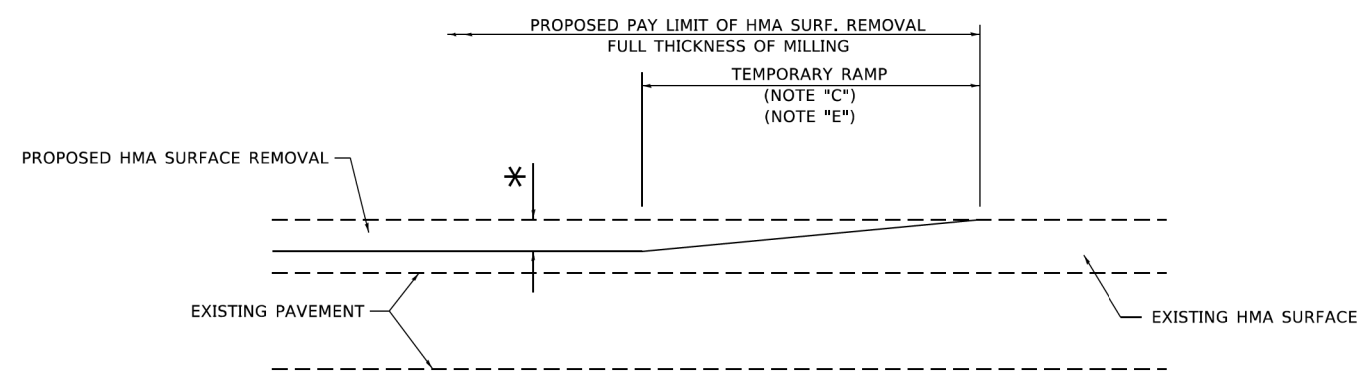
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|-------------------------------|-----------------|-----------------------------|
| USER NAME = Lawrence,DeManche | DESIGNED - FORD | REVISED - FORD 12-06-88 |
| PLOT SCALE = 100,0000' / in. | DRAWN - | REVISED - K. SMITH 11-18-22 |
| PLOT DATE = 11/18/2022 | CHECKED - | REVISED - |
| | DATE - 09-09-88 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

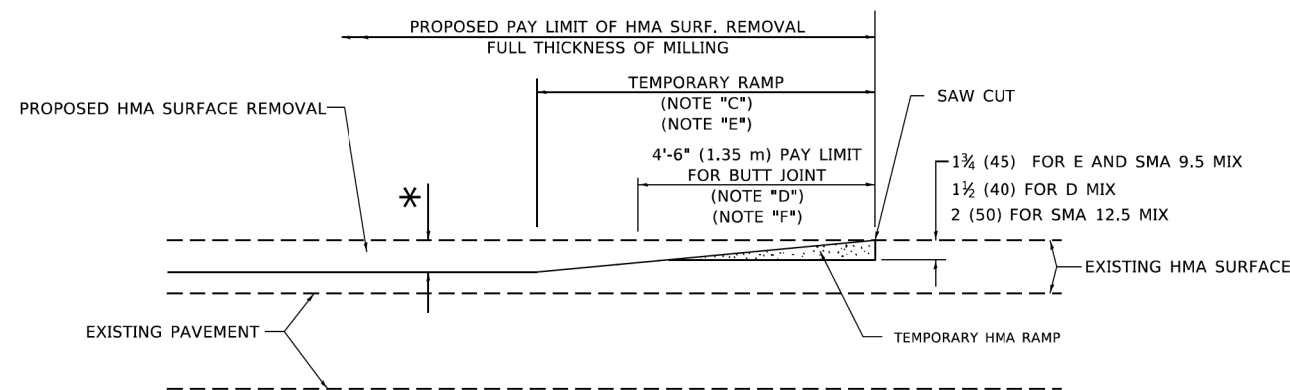
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| CONCRETE BARRIER TRANSITION & GENERAL DETAILS, CONCRETE BARRIER BASE | | | |
| SCALE: NONE | SHEET 1 | OF 1 SHEETS | STA. TO STA. |

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|---------------------------|---------------------|-------------|--------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1016 |
| BD-27 | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

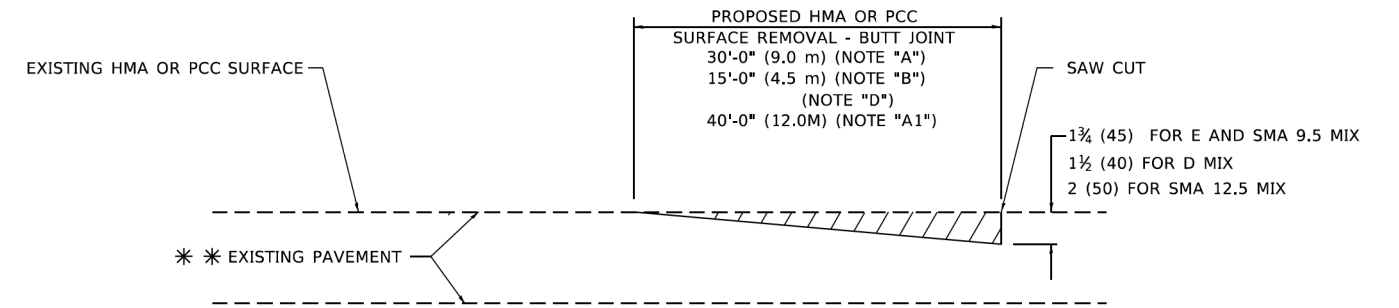
OPTION 1



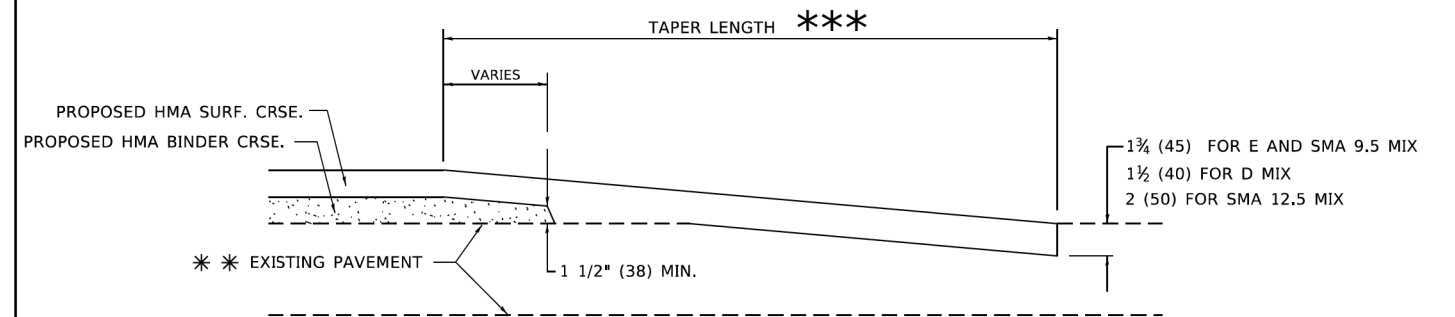
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

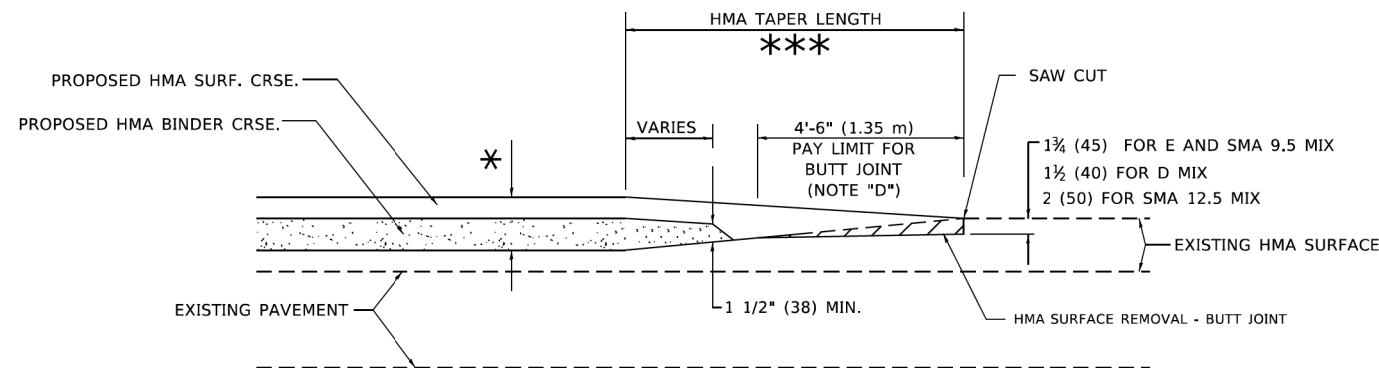
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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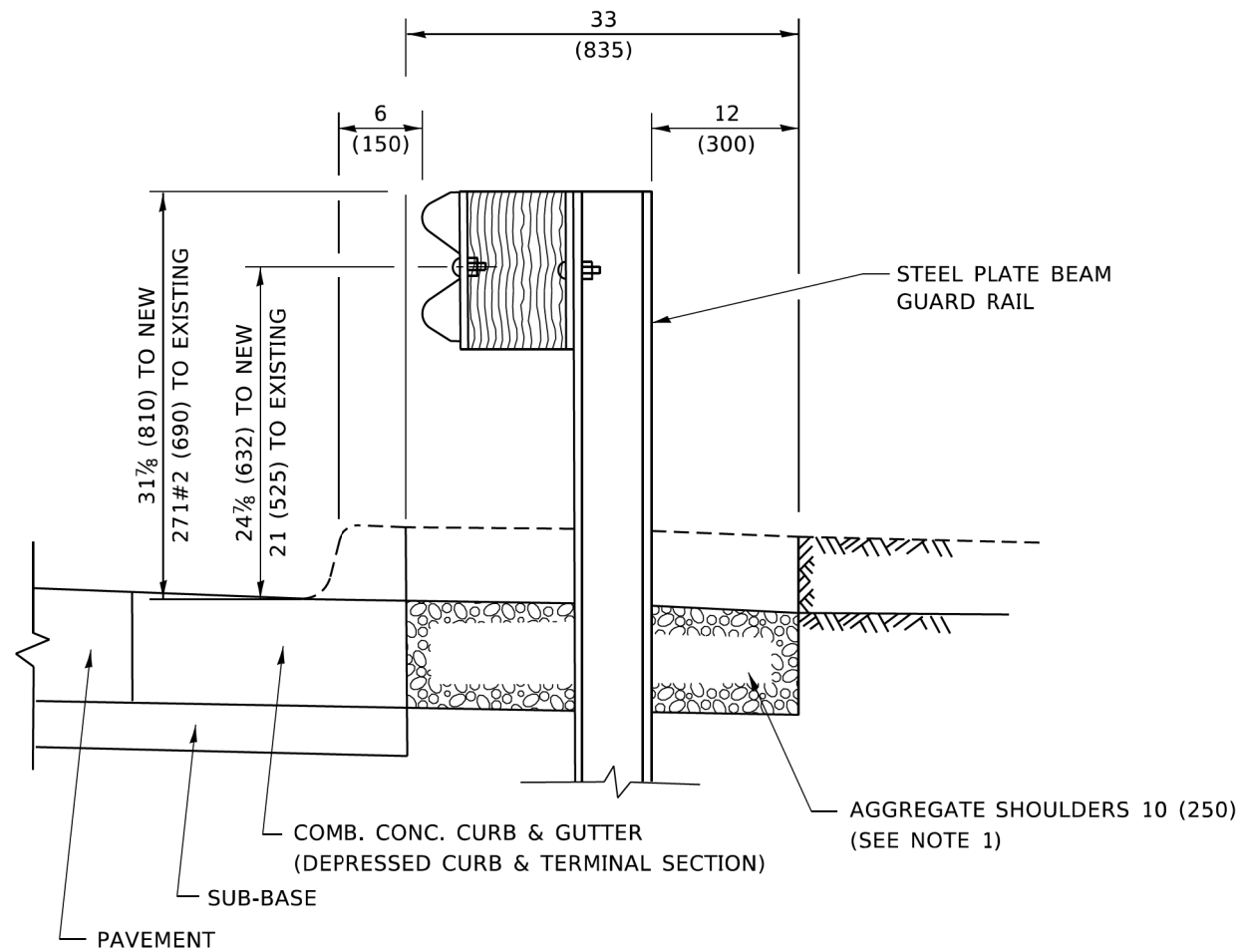
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| USER NAME = Lawrence,DeManche | DESIGNED - M. DE YONG | REVISED - A. ABBAS 03-21-97 |
| | DRAWN - | REVISED - M. GOMEZ 04-06-01 |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - R. BORO 01-01-07 |
| PLOT DATE = 11/18/2022 | DATE - 06-13-90 | REVISED - K. SMITH 11-18-22 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------------------|--------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1017 |
| BD400-05 BD-32 | | CONTRACT NO. 62N91 | | |
| ILLINOIS FED. AID PROJECT | | | | |

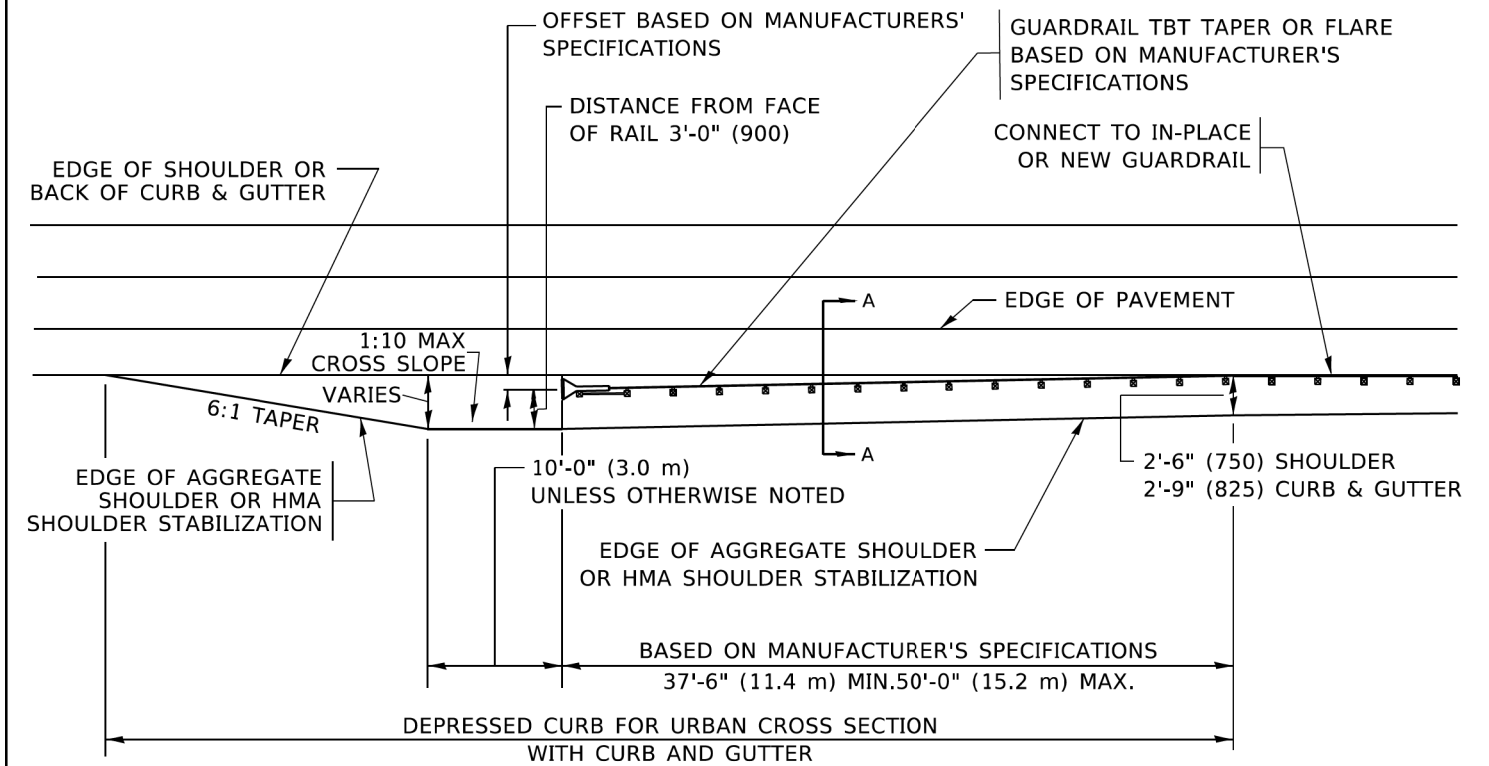


SECTION A-A

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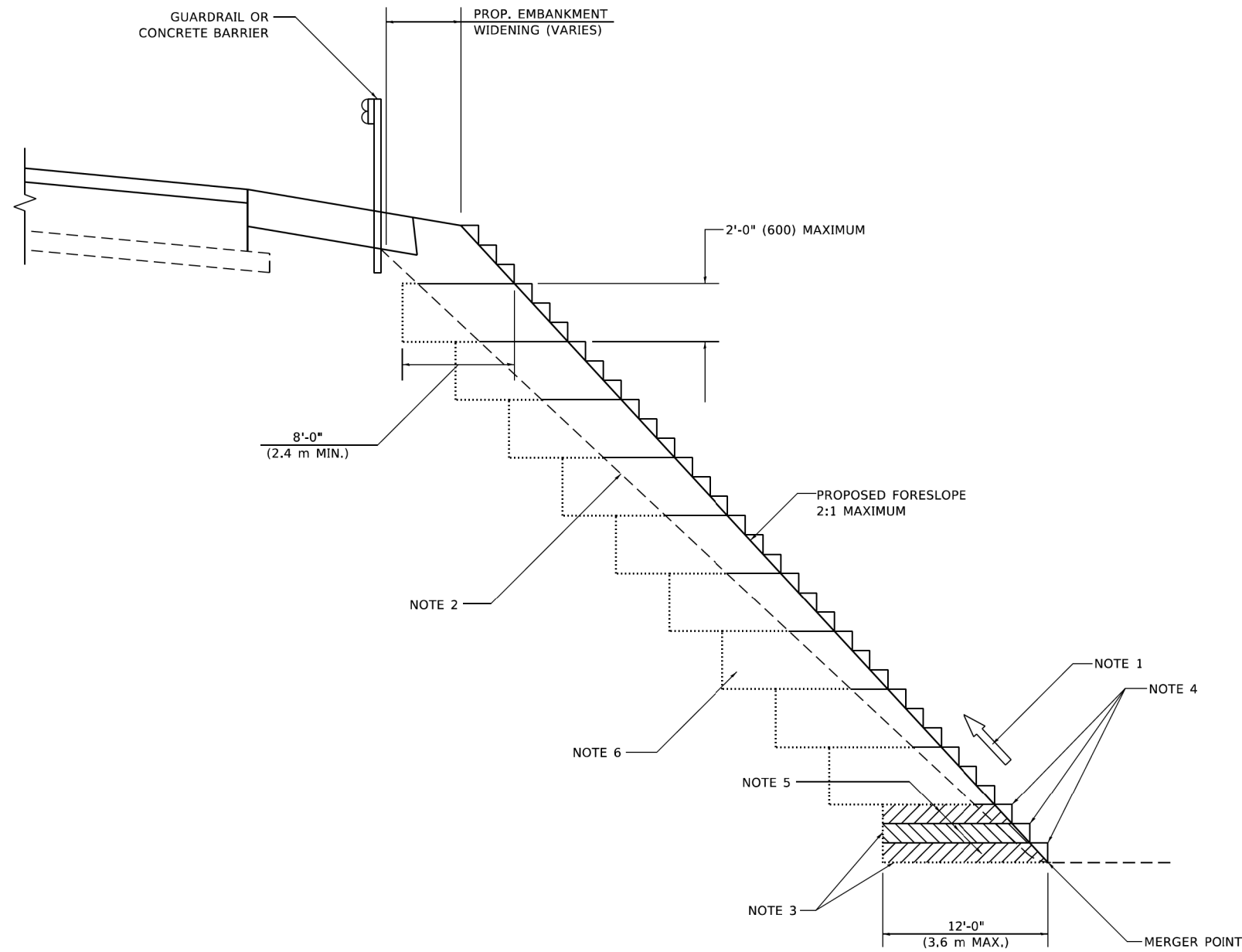
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| USER NAME = Lawrence,DeManche | DESIGNED - M. DE YONG | REVISED - R. BORO 09-14-2009 |
| | DRAWN - | REVISED - R. BORO 08-06-2012 |
| PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - R. BORO 05-08-2015 |
| PLOT DATE = 11/18/2022 | DATE - 09-22-90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

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|---------------------------|-------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1018 |
| BD600-10 (BD-34) | | CONTRACT NO. 62N91 | | |
| ILLINOIS FED. AID PROJECT | | | | |



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

GENERAL NOTES

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.

BASIS OF PAYMENT

1. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

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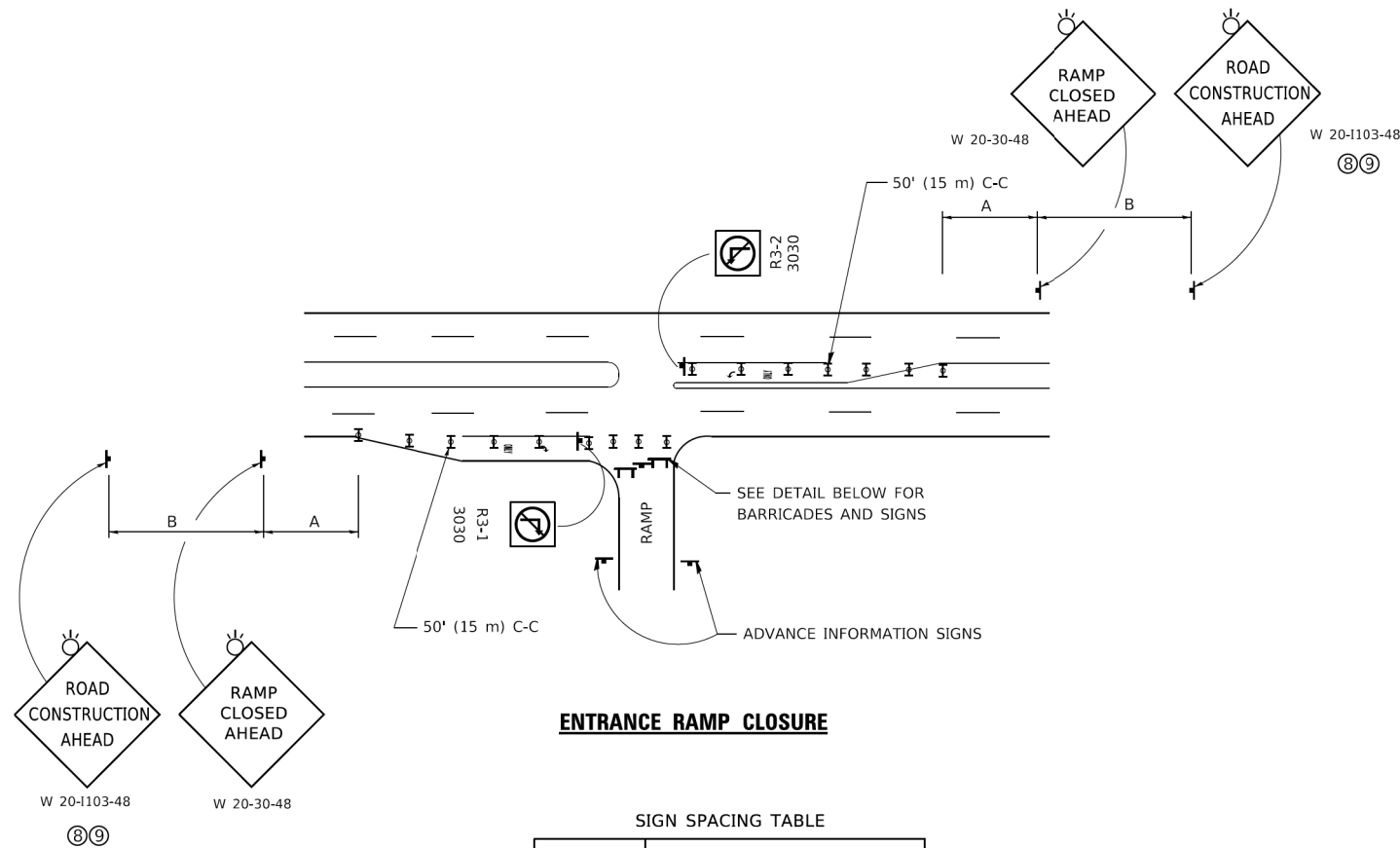
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| USER NAME = Lawrence,DeManche | DESIGNED - | REVISED - K. SMITH 11-18-22 |
| | DRAWN - CADD | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - S.E.B. | REVISED - |
| PLOT DATE = 11/18/2022 | DATE - 06-16-04 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

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

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| BD-51 | | CONTRACT NO. 62N91 | | |
| ILLINOIS FED. AID PROJECT | | | | |

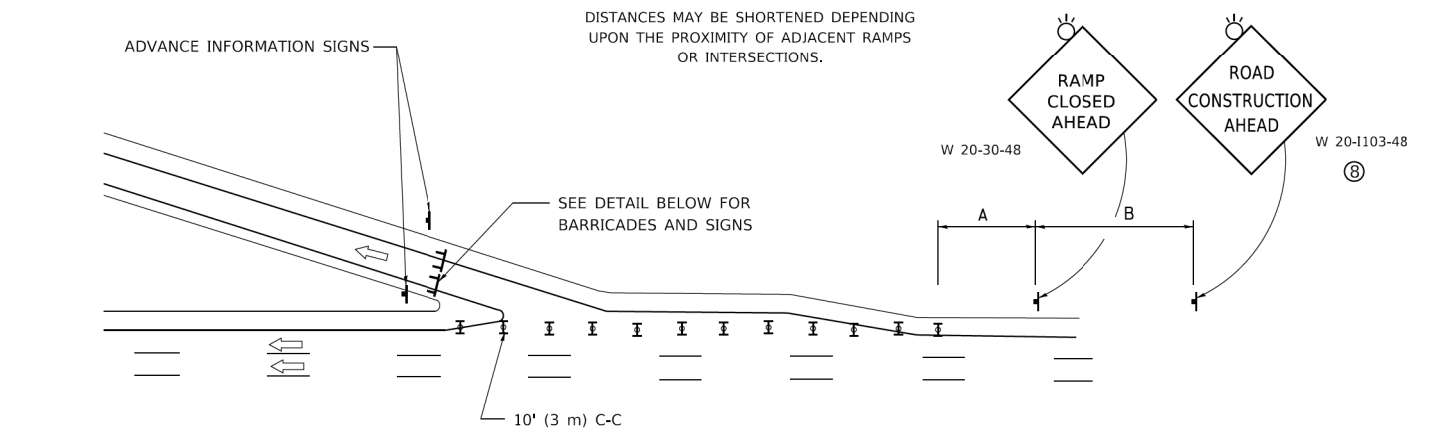


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

| FACILITY | DISTANCE BETWEEN SIGNS | |
|----------------------|------------------------|------------------|
| | A | B |
| EXPRESSWAY >24 HOURS | 1000' (300 m) | 1500' (450 m) |
| EXPRESSWAY ≤24 HOURS | 500' (150 m) | 500' (150 m) |
| ARTERIAL 55 MPH | 500' (150 m) | 500' (150 m) |
| ARTERIAL 50-45 MPH | 350' (100 m) | 350' (100 m) |
| ARTERIAL <45 MPH | 200' (60 m) | 200' (60 m) |

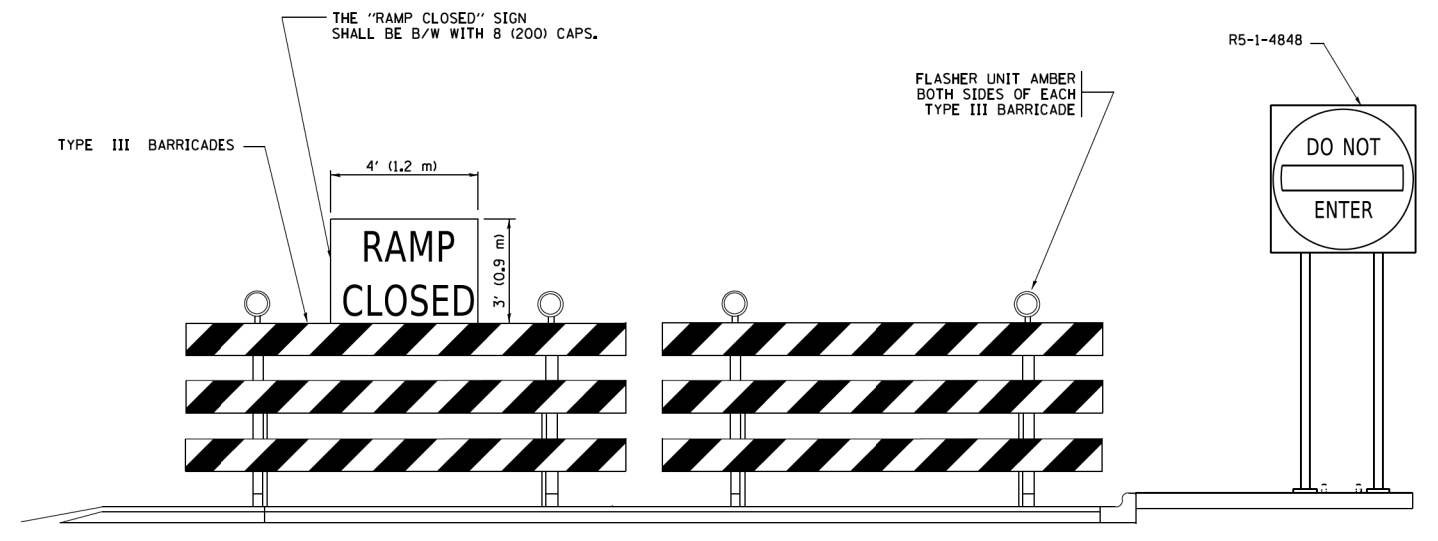
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

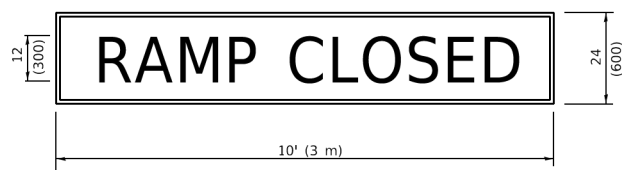
SYMBOLS

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



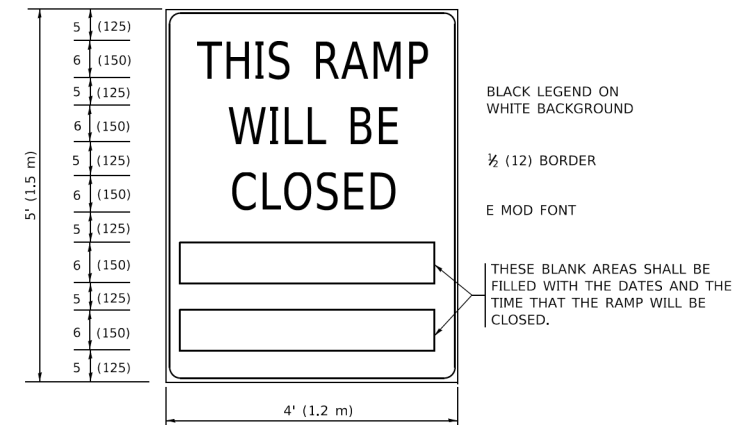
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

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| | | |
|------------------------------|-------------------|------------------------|
| USER NAME = footemj | DESIGNED - D.W.S. | REVISED - S.P.B._01-07 |
| | DRAWN - | REVISED - S.P.B._12-09 |
| PLOT SCALE = 50,0000 ' / ft. | CHECKED - | REVISED - M.D._06-13 |
| PLOT DATE = 3/4/2019 | DATE - 02-83 | REVISED - M.D._01-18 |

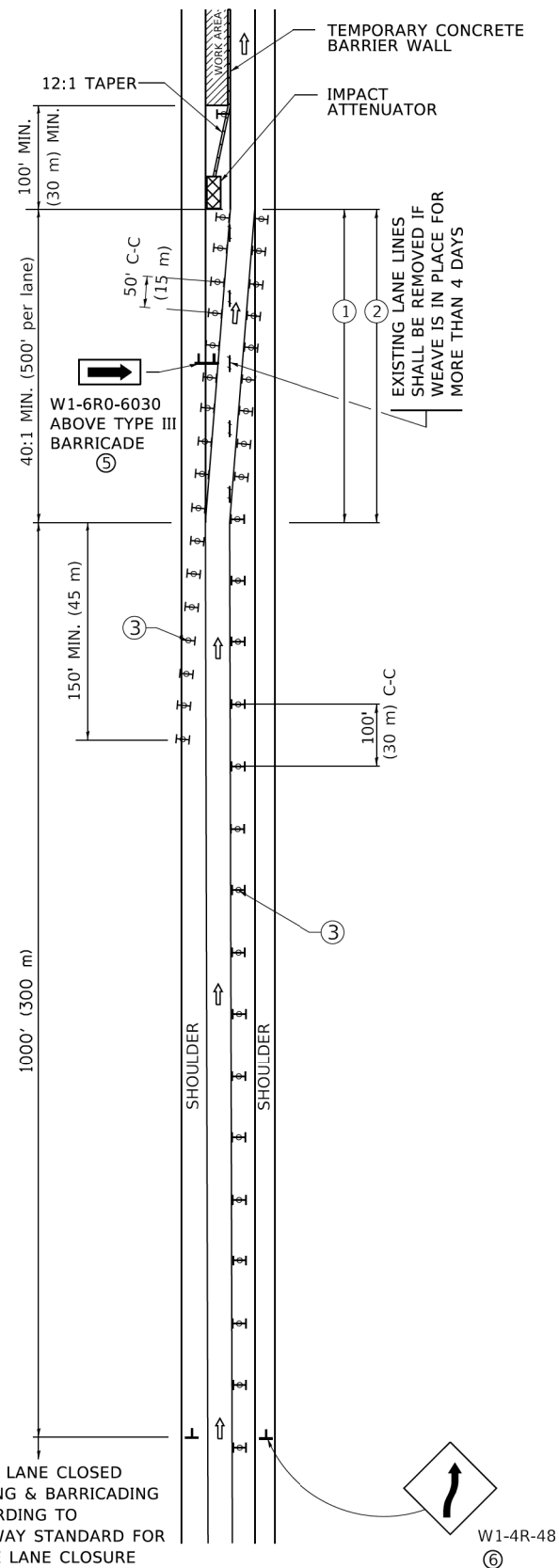
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

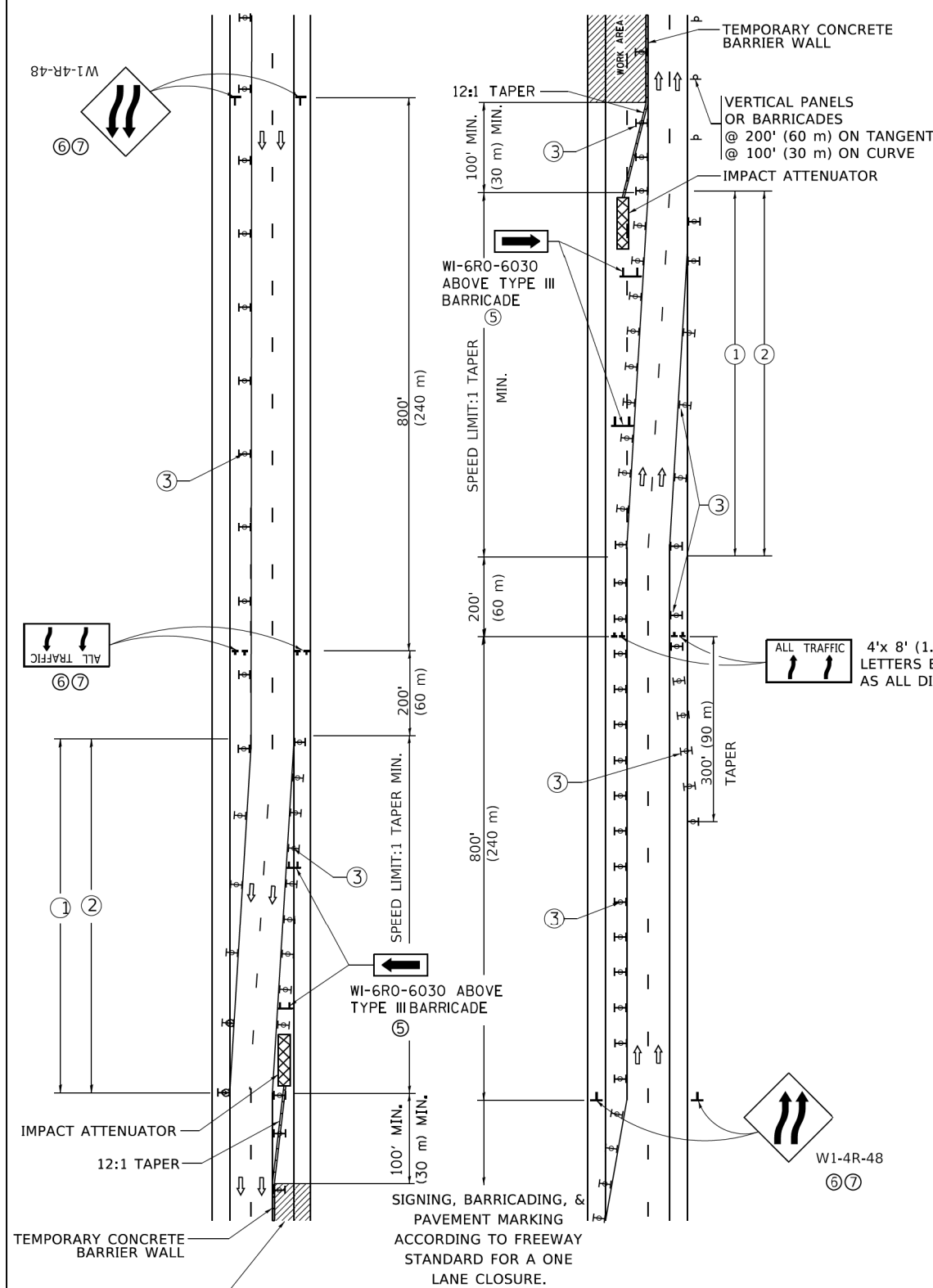
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------------------|-------------|--------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1020 |
| TC-08 | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES:

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48 (6)
- W24-1-48 (7)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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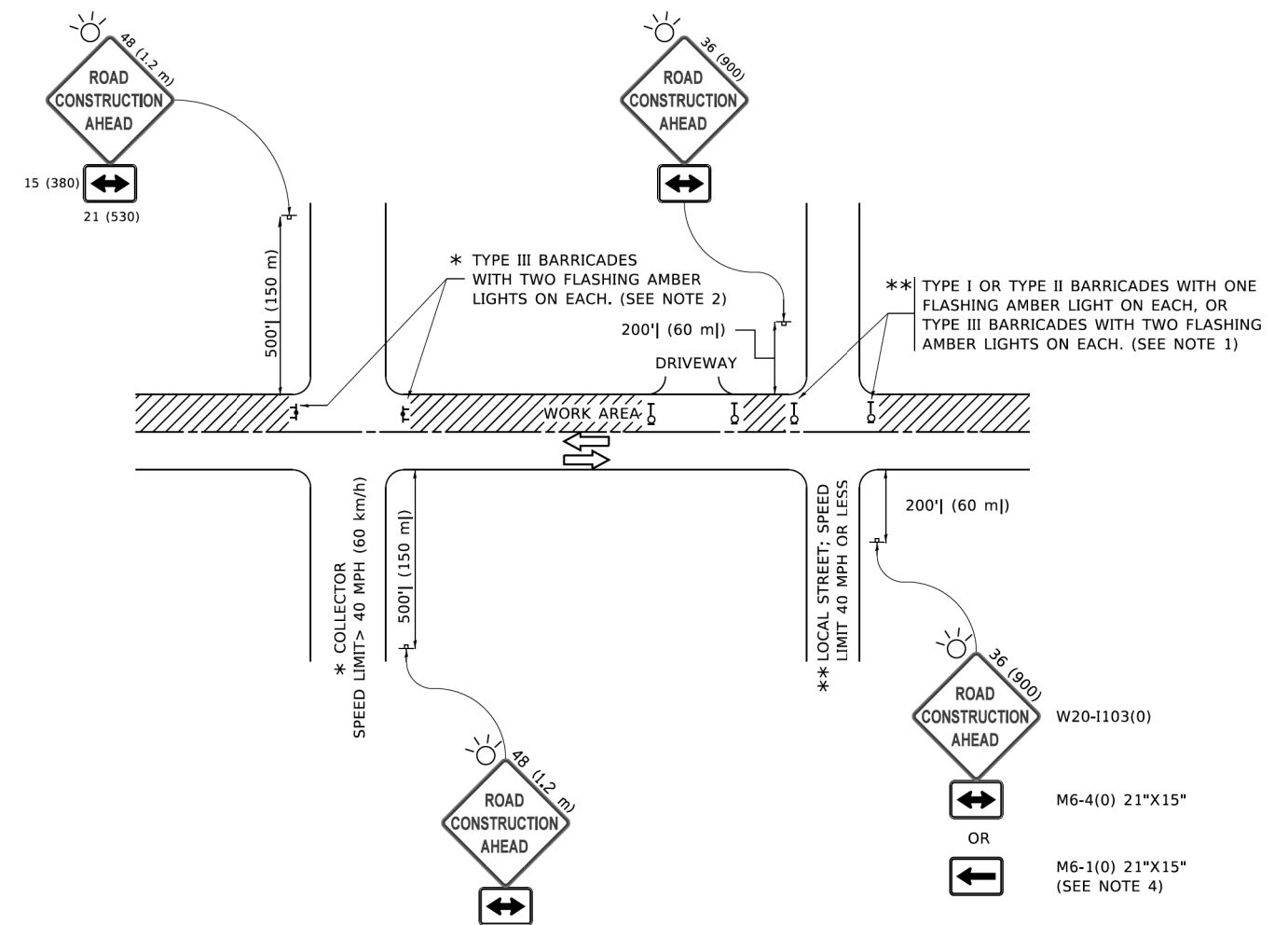
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|----------------------------|-------------------|------------------------|
| USER NAME = footemj | DESIGNED - D.W.S. | REVISED - J.A.F. 02-06 |
| | DRAWN - | REVISED - S.P.B. 01-07 |
| PLOT SCALE = 50.0000' / 1" | CHECKED - | REVISED - S.P.B. 12-09 |
| PLOT DATE = 3/4/2019 | DATE - 02-87 | REVISED - M.D. 06-13 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR
FREEWAY SINGLE & MULTI-LANE WEAVE

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

| | | | | |
|---------------------------|---------------------|--------------------|-------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1021 |
| TC-09 | | CONTRACT NO. 62N91 | | |
| ILLINOIS FED. AID PROJECT | | | | |



NOTES:

- 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:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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 THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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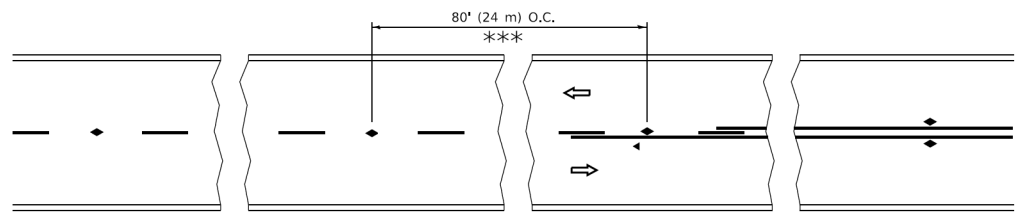
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|----------------------------|-------------------|---------------------------------|
| USER NAME = footemj | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96 |
| | DRAWN - | REVISED - T. RAMMACHER 01-06-00 |
| PLOT SCALE = 50,0000' / 1" | CHECKED - | REVISED - A. SCHUETZE 07-01-13 |
| PLOT DATE = 3/4/2019 | DATE - 06-89 | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

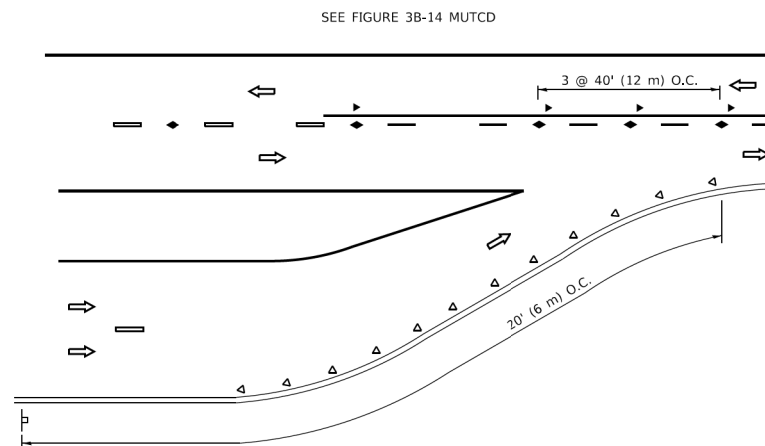
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|-------------|--------|--------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1022 |
| TC-10 | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

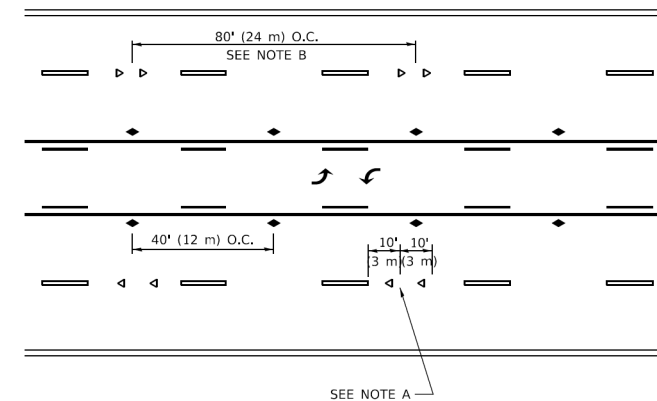


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

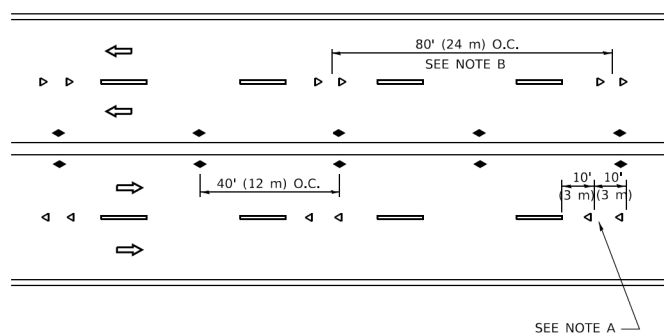
TWO-LANE/TWO-WAY



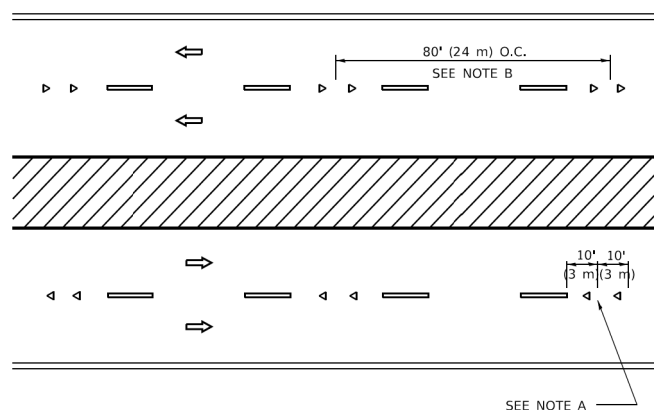
LANE REDUCTION TRANSITION



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

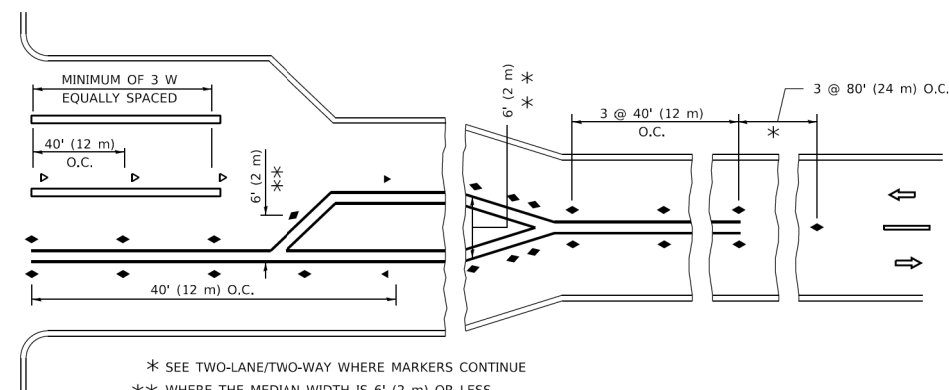
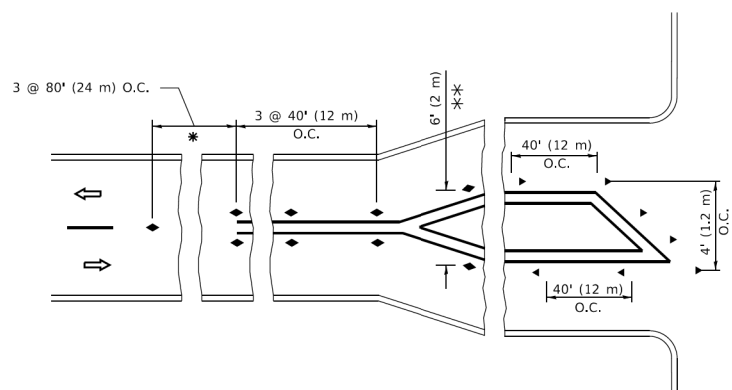
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



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

TURN LANES

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

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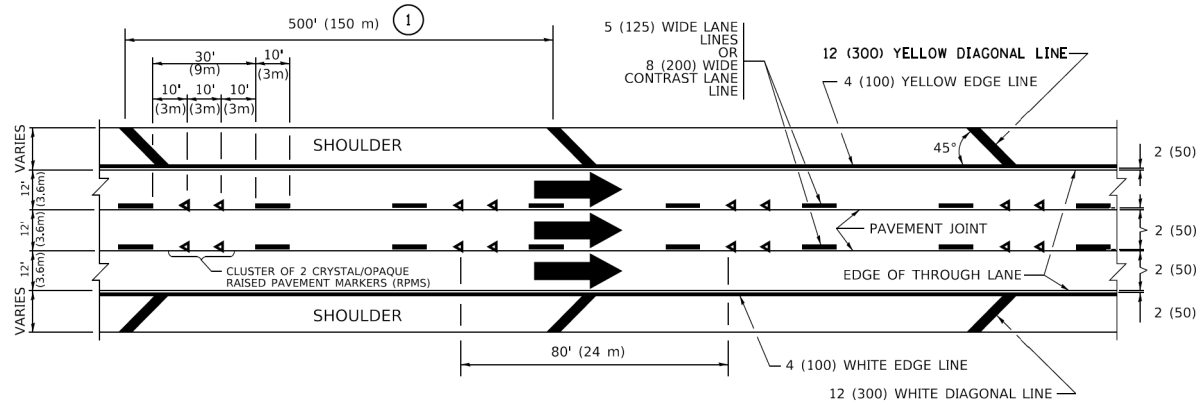
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| USER NAME = footemj | DESIGNED - | REVISED - T. RAMMACHER 03-12-99 |
| | DRAWN - | REVISED - T. RAMMACHER 01-06-00 |
| PLOT SCALE = 50,0000' / 1" | CHECKED - | REVISED - C. JUCIUS 09-09-09 |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - C. JUCIUS 07-01-13 |

**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.

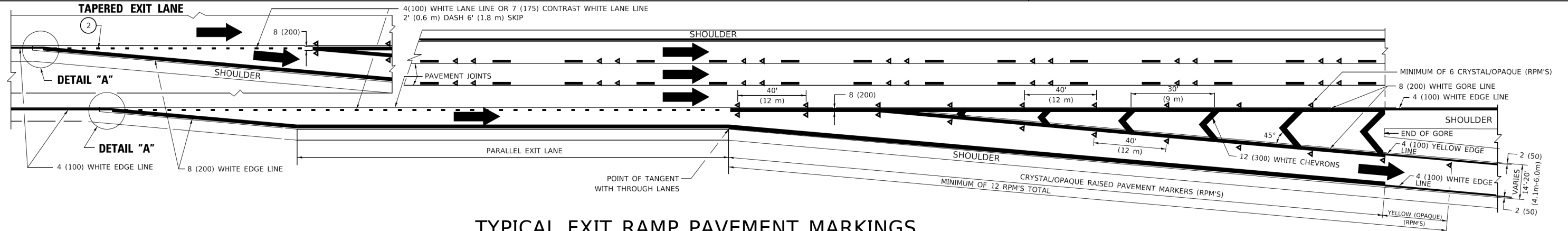
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1023 |
| TC-11 | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |



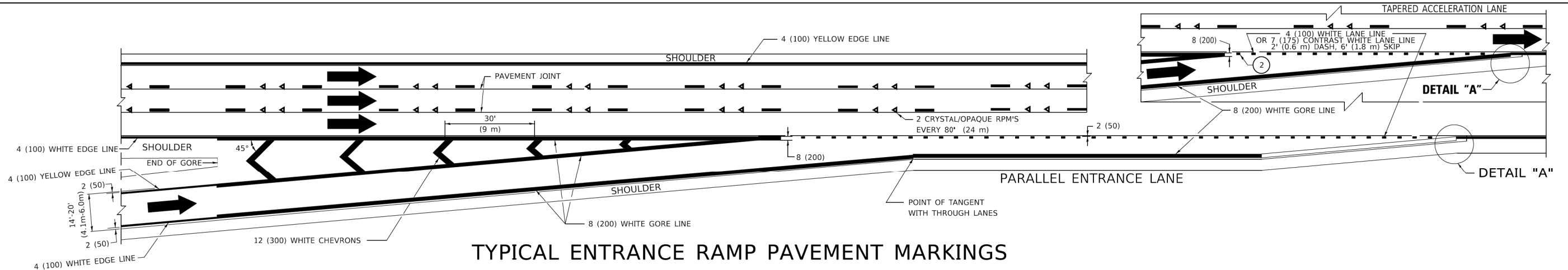
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

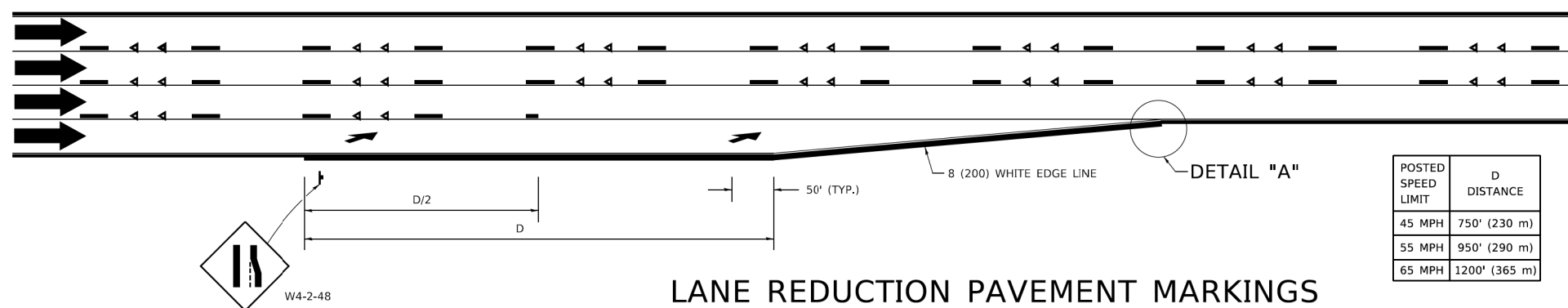
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



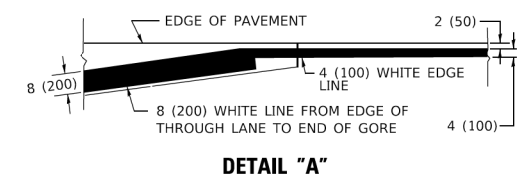
TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS



NOTES:

1. THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
2. 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

| POSTED SPEED LIMIT | D DISTANCE |
|--------------------|---------------|
| 45 MPH | 750' (230 m) |
| 55 MPH | 950' (290 m) |
| 65 MPH | 1200' (365 m) |

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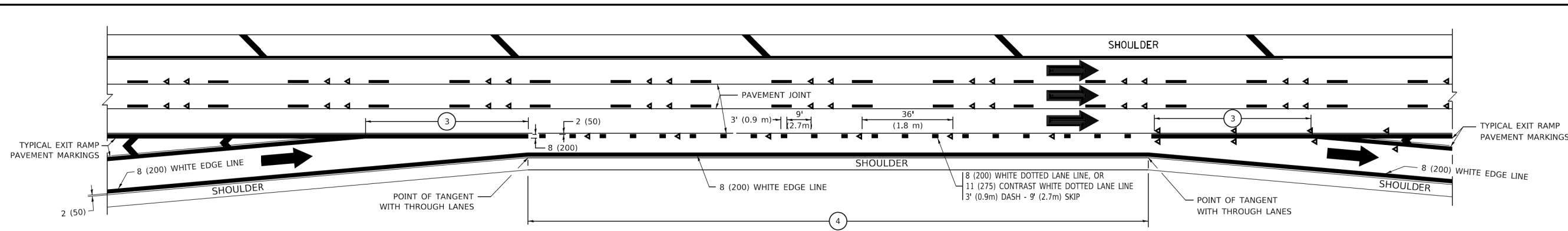
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| USER NAME = footemj | DESIGNED - D.W.S. | REVISED - S.P.B. 01-07 |
| | DRAWN - | REVISED - S.P.B. 01-10 |
| PLOT SCALE = 50,0000' / 1. | CHECKED - | REVISED - M.D. 05-13 |
| PLOT DATE = 3/4/2019 | DATE - 01-90 | REVISED - M.D. 09-17 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

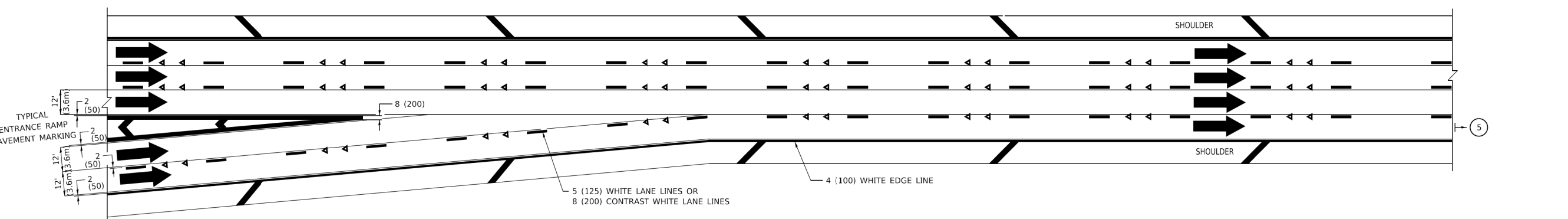
**MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

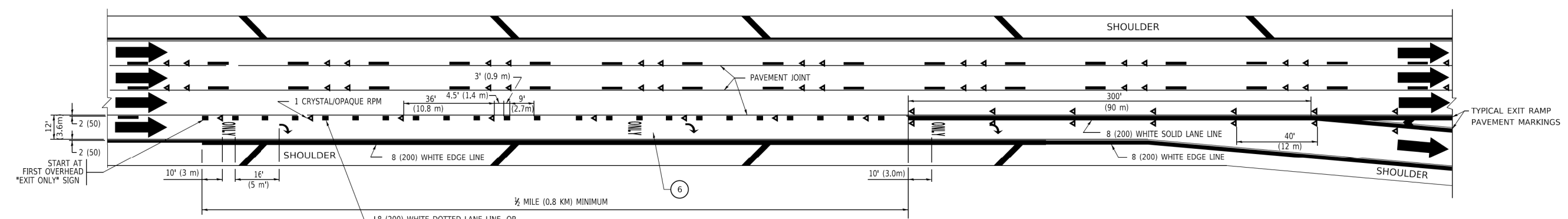
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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1024 |
| TC-12 | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |



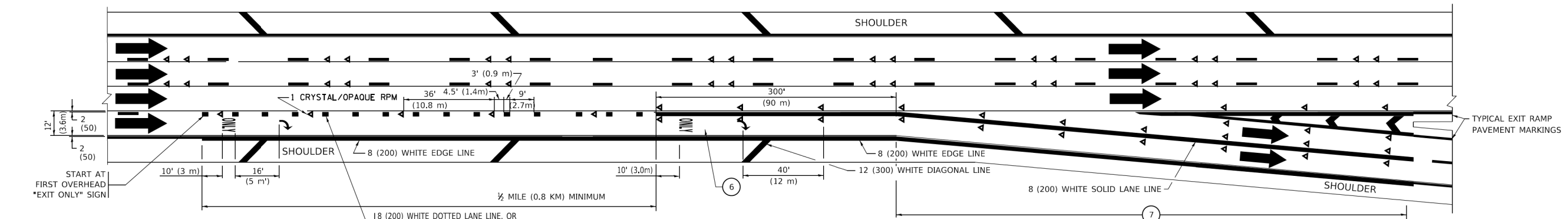
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

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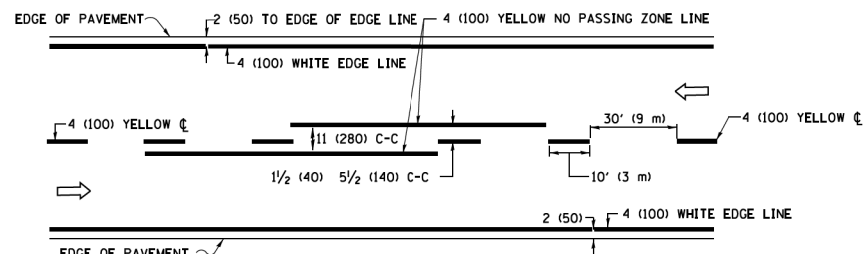
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|------------------------------|-------------------|------------------------|
| USER NAME = footemj | DESIGNED - D.W.S. | REVISED - J.A.F. 02-06 |
| | DRAWN - | REVISED - S.P.B. 01-07 |
| PLOT SCALE = 50,0000' / 1/4" | CHECKED - | REVISED - S.P.B. 01-10 |
| PLOT DATE = 3/4/2019 | DATE - 01-90 | REVISED - M.D. 09-17 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

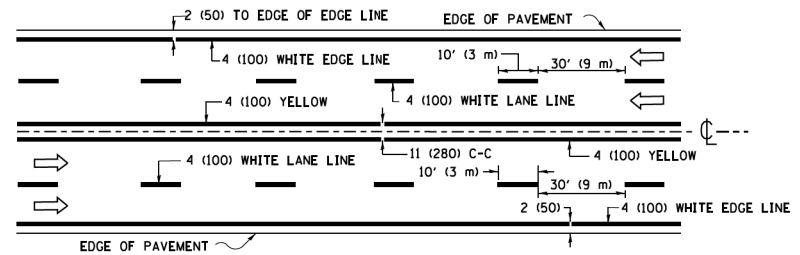
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

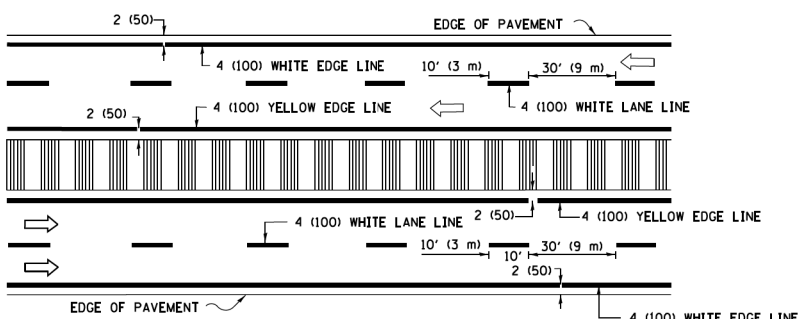
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| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1025 |
| TC-12 | | CONTRACT NO. 62N91 | | |
| ILLINOIS FED. AID PROJECT | | | | |



2-LANE ROADWAY

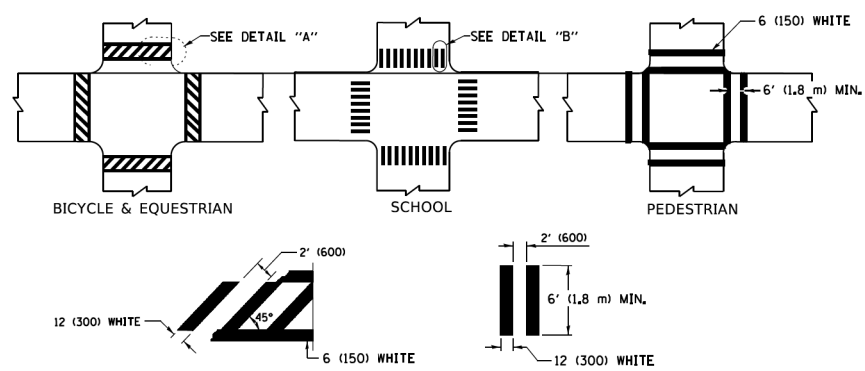


MULTI-LANE UNDIVIDED



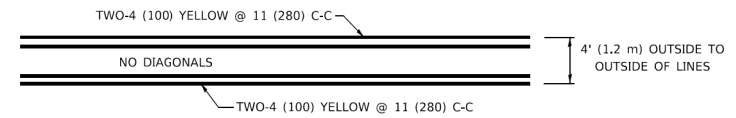
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

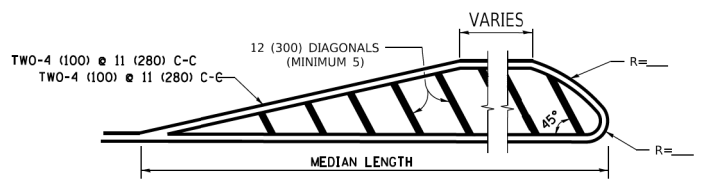


TYPICAL CROSSWALK MARKING

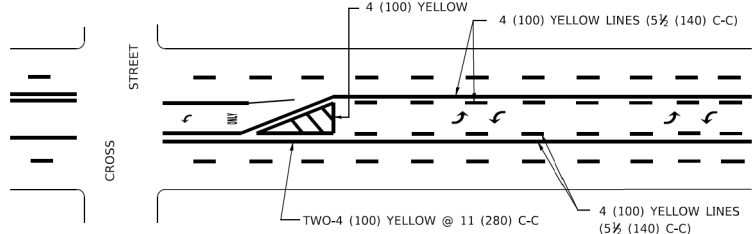
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



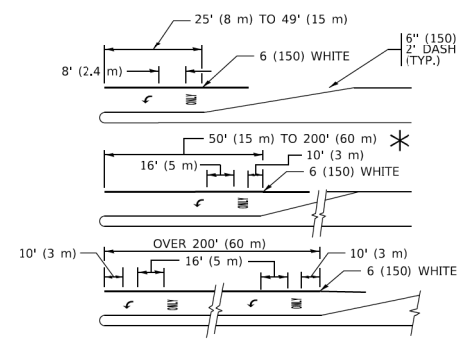
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



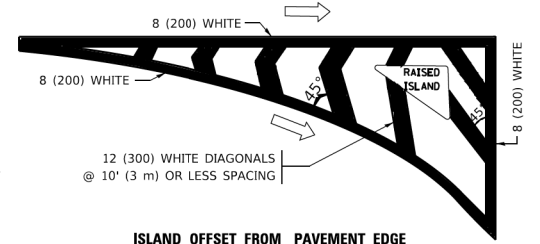
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



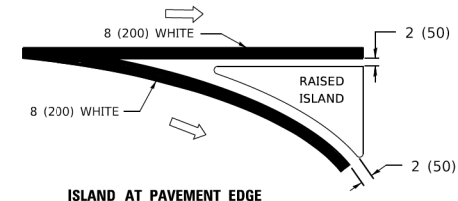
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

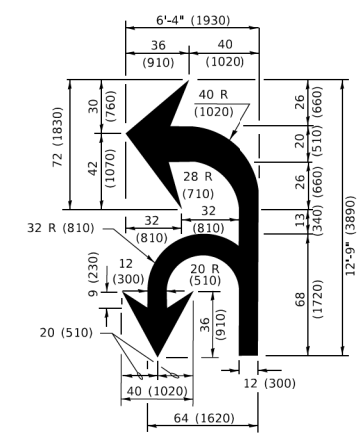
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



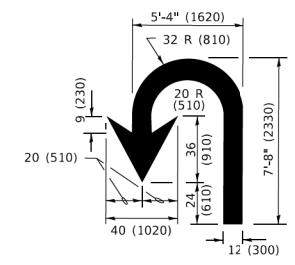
ISLAND OFFSET FROM PAVEMENT EDGE



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) APART 12 (300) @ 45° 12 (300) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) 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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²) |
| 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.

MODEL: Default
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| | | |
|-------------------------------|------------------|------------------------------|
| USER NAME = footemj | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 |
| PLOT SCALE = 50.00000 ' / ft. | DRAWN - | REVISED - C. JUCIUS 07-01-13 |
| PLOT DATE = 3/4/2019 | CHECKED - | REVISED - C. JUCIUS 12-21-15 |
| | DATE - 03-19-90 | REVISED - C. JUCIUS 04-12-16 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| DISTRICT ONE TYPICAL PAVEMENT MARKINGS | | | |
|---|---------|-------------|--------------|
| SCALE: NONE | SHEET 1 | OF 2 SHEETS | STA. TO STA. |

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1026 |
| TC-13 | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

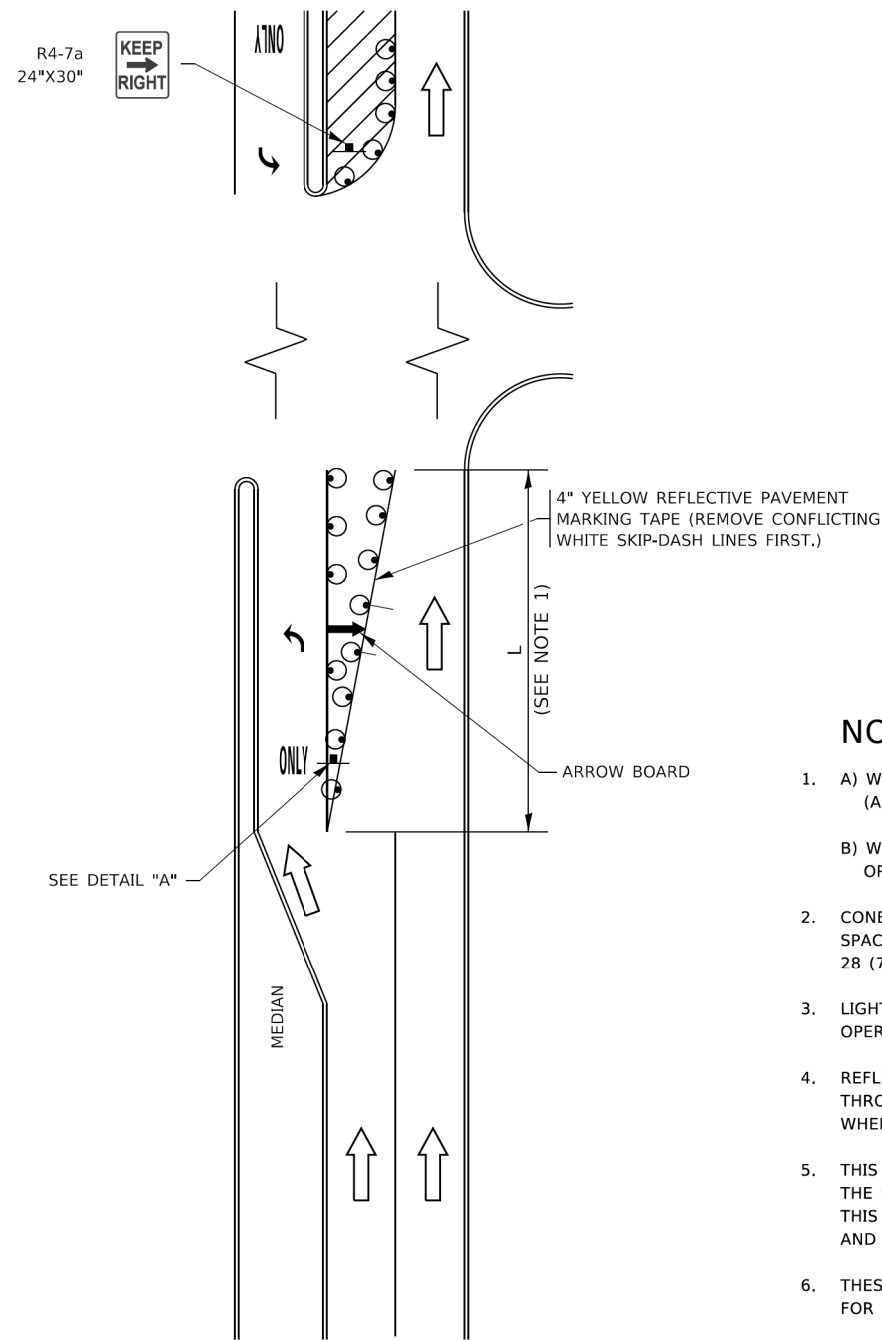


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

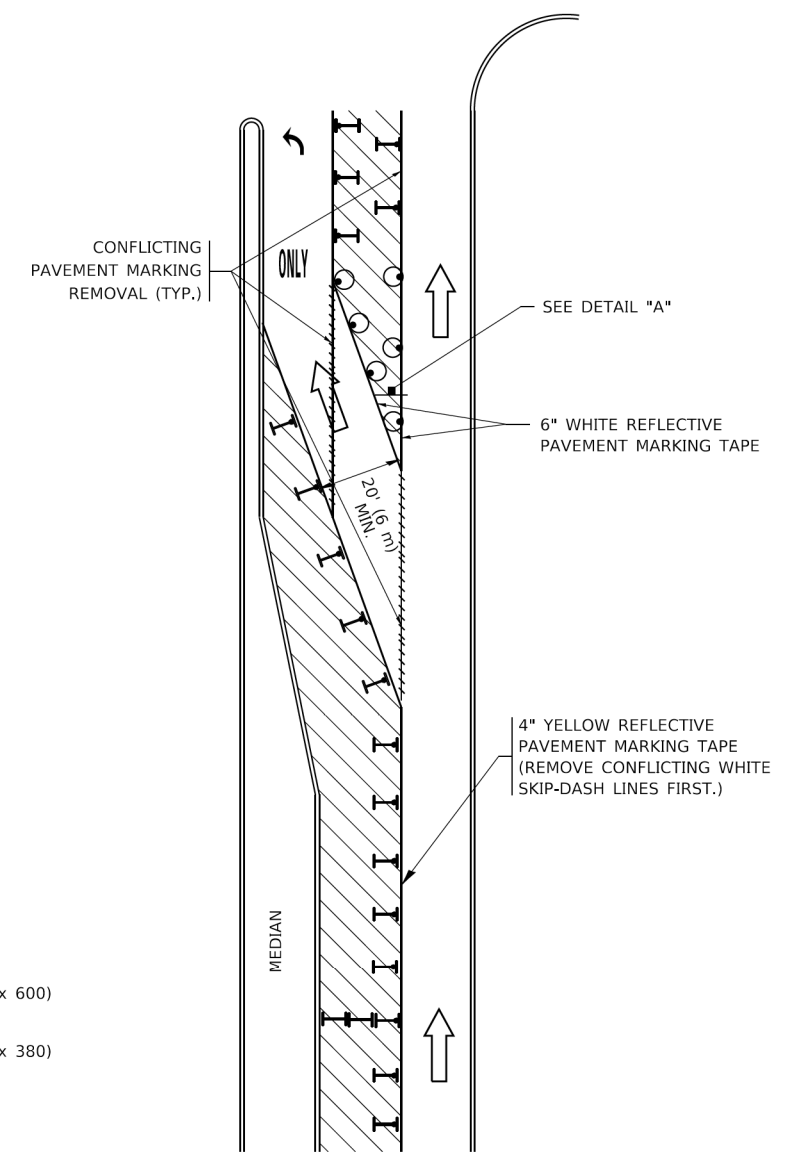


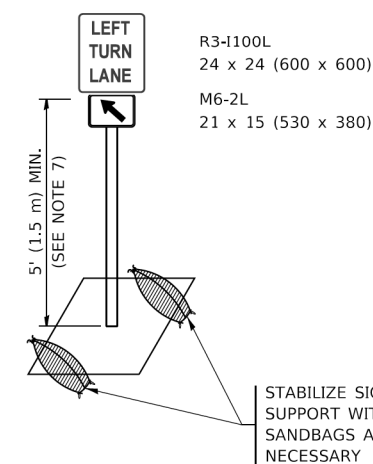
FIGURE 2

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.

MODEL: Default
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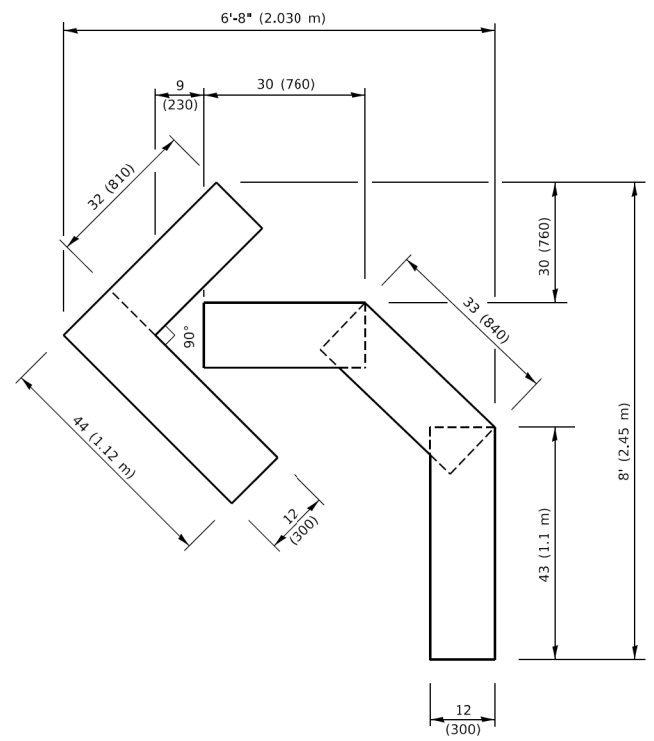
| | | |
|------------------------------|----------------------------------|--------------------------------|
| USER NAME = footemj | DESIGNED - T. RAMMACHER 09-08-94 | REVISED - R. BORO 09-14-09 |
| | DRAWN - A. HOUSEH 11-07-95 | REVISED - A. SCHUETZE 07-01-13 |
| PLOT SCALE = 50,0000 ' / ft. | CHECKED - 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)**

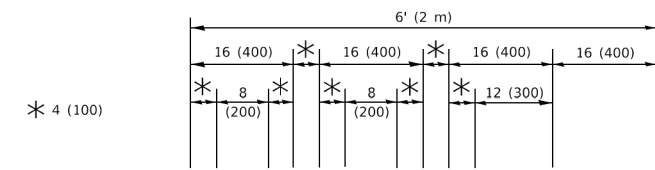
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------------------|--------------------|-------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1027 |
| TC-14 | | CONTRACT NO. 62N91 | | |
| ILLINOIS FED. AID PROJECT | | | | |



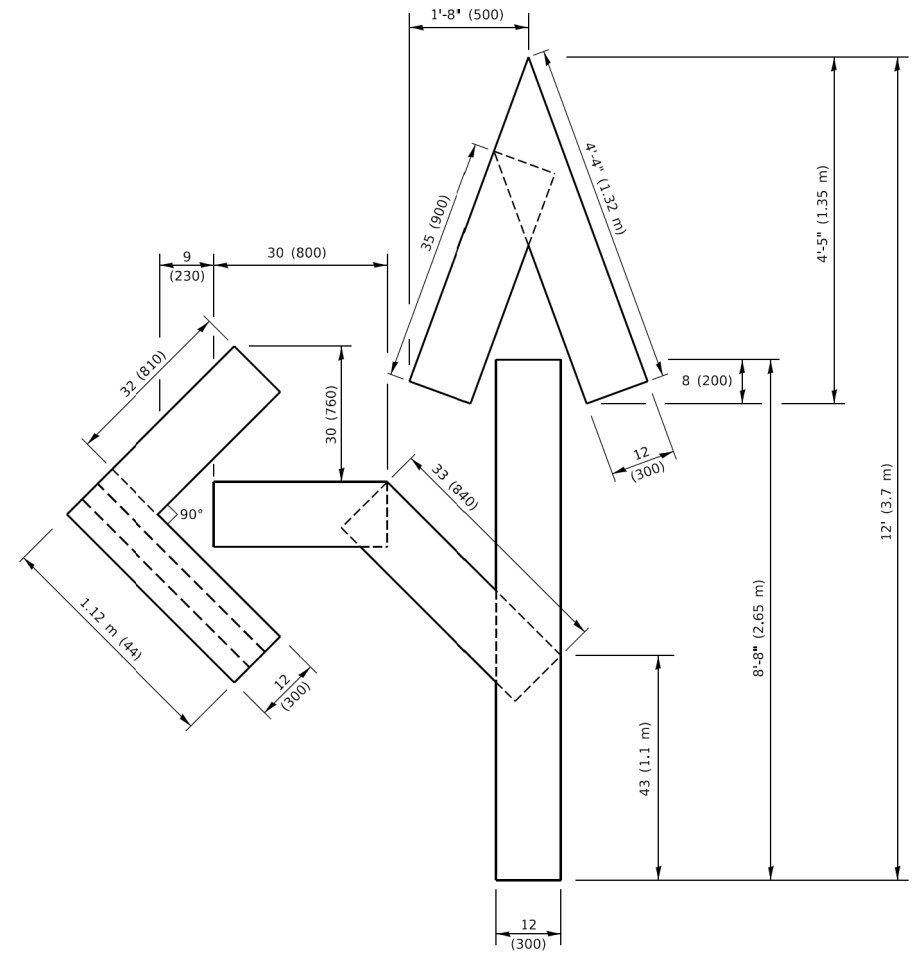
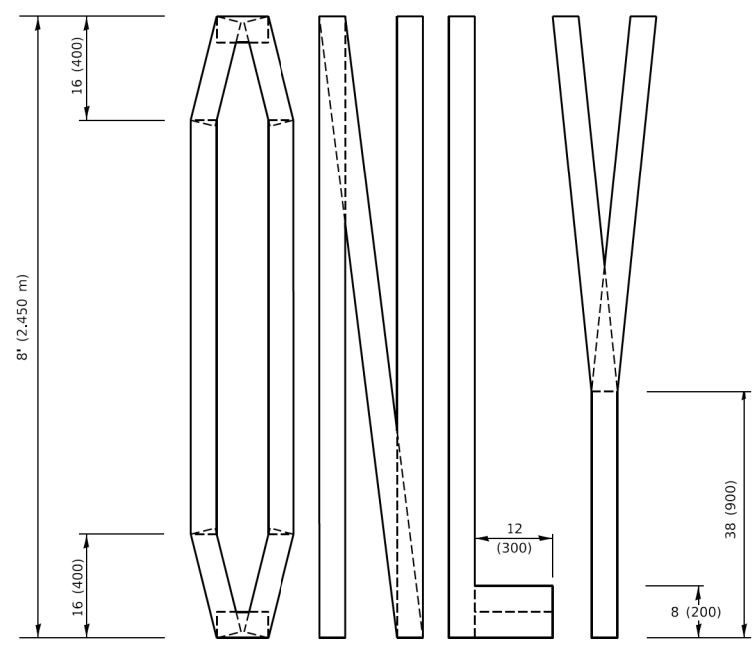
QUANTITY

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



QUANTITY

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

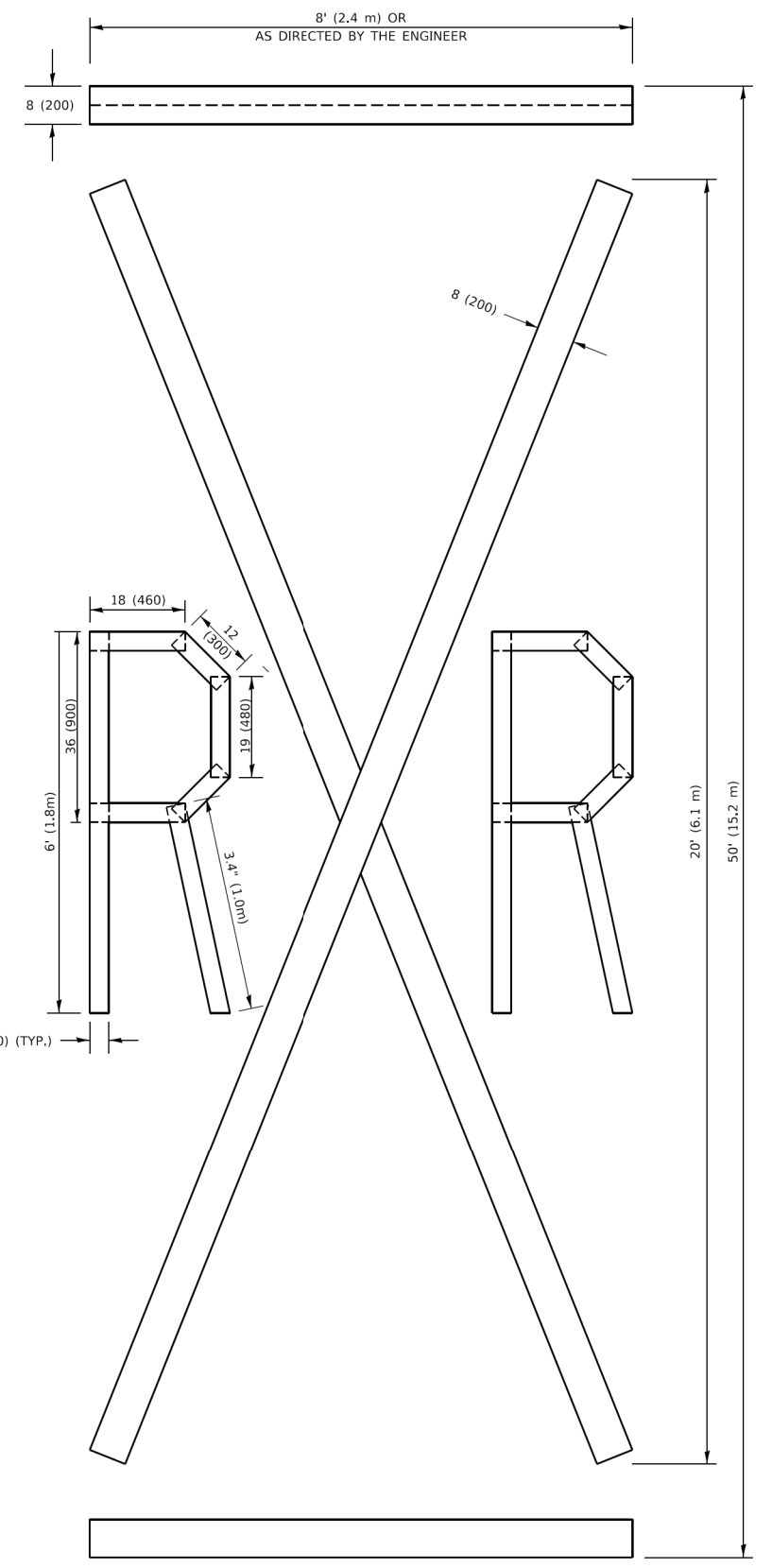


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 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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| | | |
|-----------------------------|-----------------|---------------------------------|
| USER NAME = footemj | DESIGNED - | REVISED - T. RAMMACHER 03-02-98 |
| | DRAWN - | REVISED - E. GOMEZ 08-28-00 |
| PLOT SCALE = 50.0068" / in. | CHECKED - | REVISED - E. GOMEZ 08-28-00 |
| PLOT DATE = 3/4/2019 | DATE - 09-18-94 | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

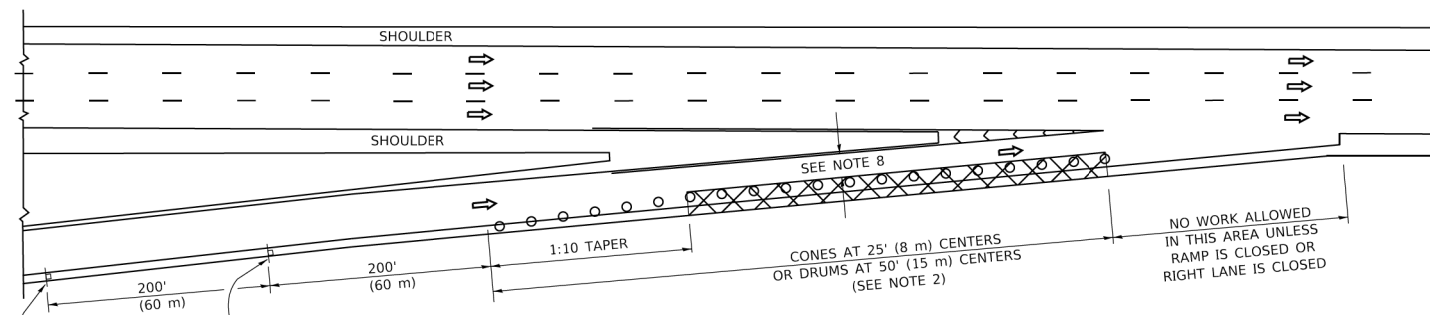
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

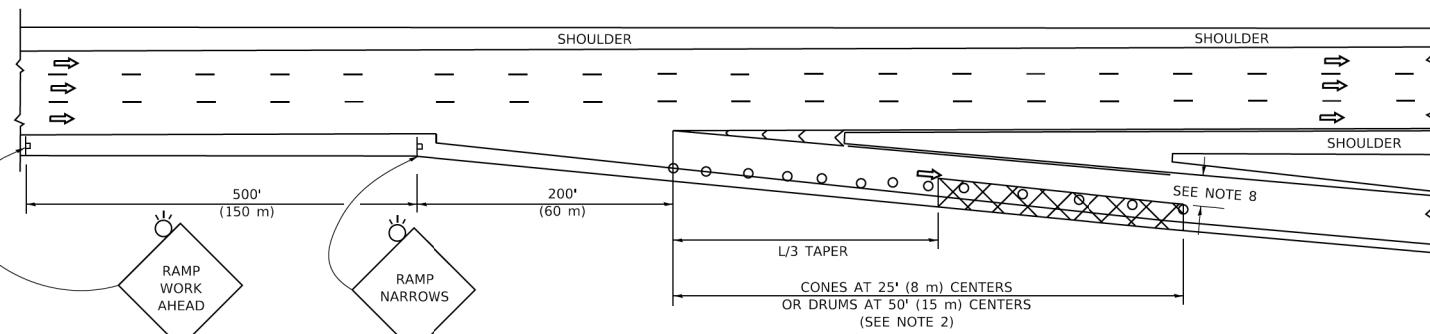
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------|-------------|--------------------|--------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1028 |
| TC-16 | | CONTRACT NO. 62N91 | | |
| ILLINOIS | | FED. AID PROJECT | | |

PARTIAL RAMP CLOSURE DETAILS

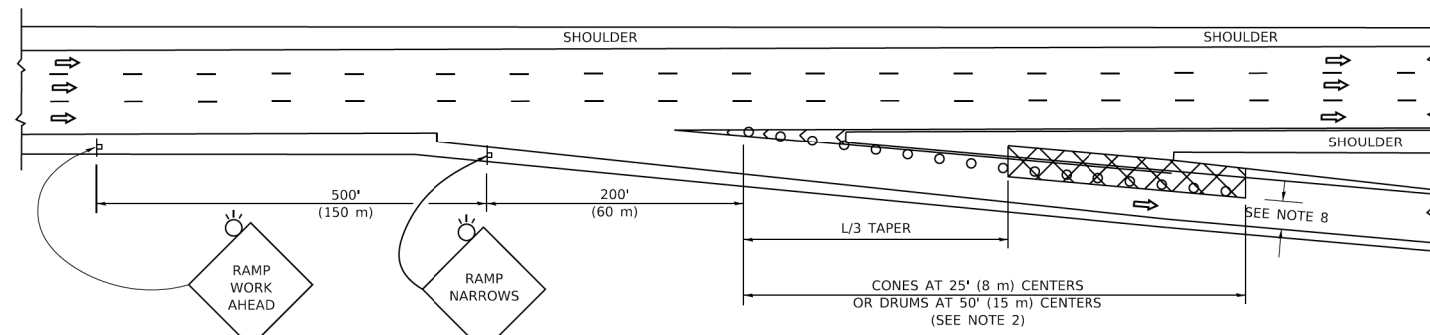
SHOULDER CLOSURE DETAILS



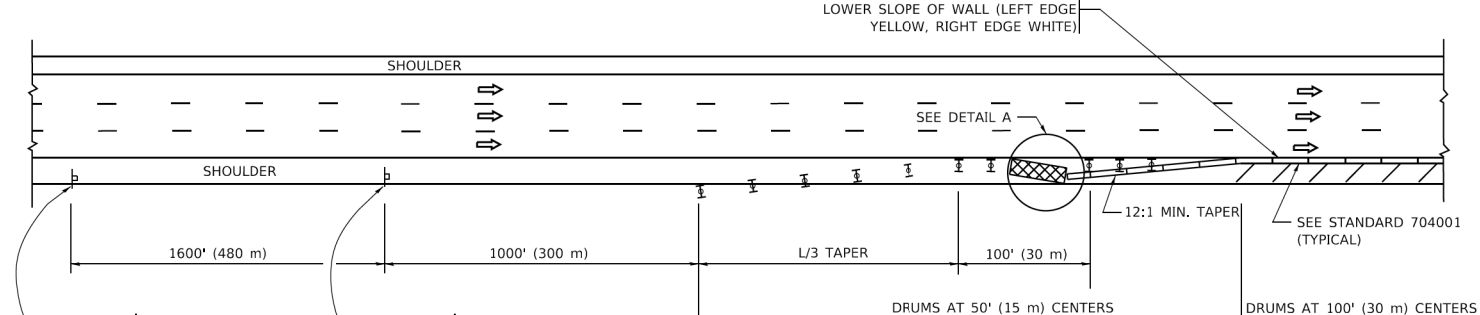
TYPICAL ENTRANCE RAMP



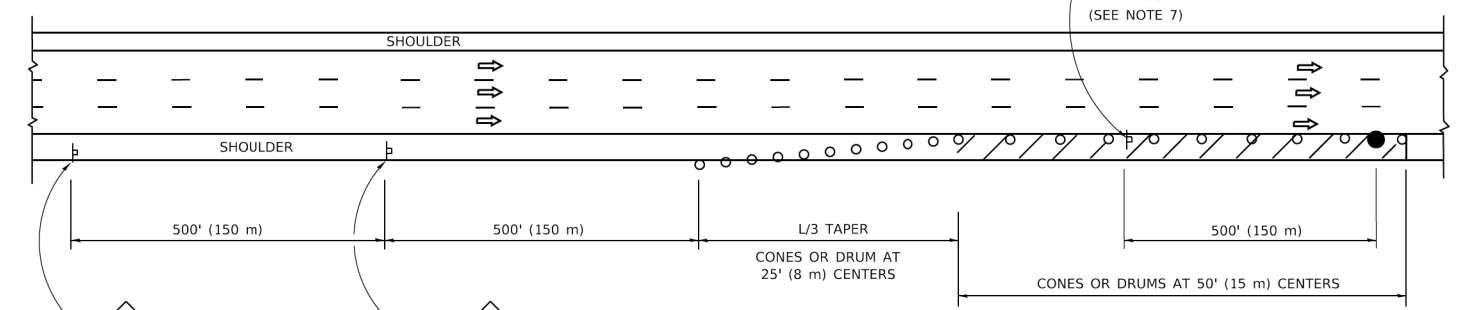
TYPICAL EXIT RAMP



TYPICAL EXIT RAMP



PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

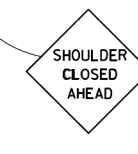
THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



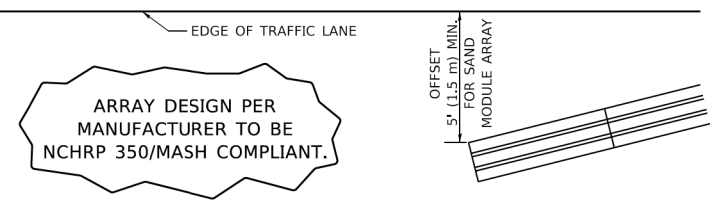
W 20-7a(0)-48
(SEE NOTE 7)



W 20-1103(0)-48



SHOULDER CLOSED AHEAD



ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
 (SEE NOTE 5)

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

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

- THE "L" DISTANCE EQUALS:

| | |
|-----------------------------|-------------------------------|
| $L = \frac{S^2}{24.5}$ | FORMULAS |
| 45 mph (80 km/h) OR GREATER | METRIC ENGLISH |
| | $L = 0.65(W)(S)$ $L = (W)(S)$ |

W = WIDTH OF OFFSET IN FEET (METERS)
 S = NORMAL POSTED SPEED MPH (KM/H)
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
 16' MIN. WIDTH CURVE SECTION.

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| | | |
|------------------------------|----------------|------------------------|
| USER NAME = footemj | DESIGNED - | REVISED - S.P.B. 01-07 |
| | DRAWN - D.W.S. | REVISED - S.P.B. 12-09 |
| PLOT SCALE = 50,0000 ' / ft. | CHECKED - | REVISED - M.D. 06-13 |
| PLOT DATE = 3/4/2019 | DATE - 11-96 | REVISED - M.D. 01-18 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

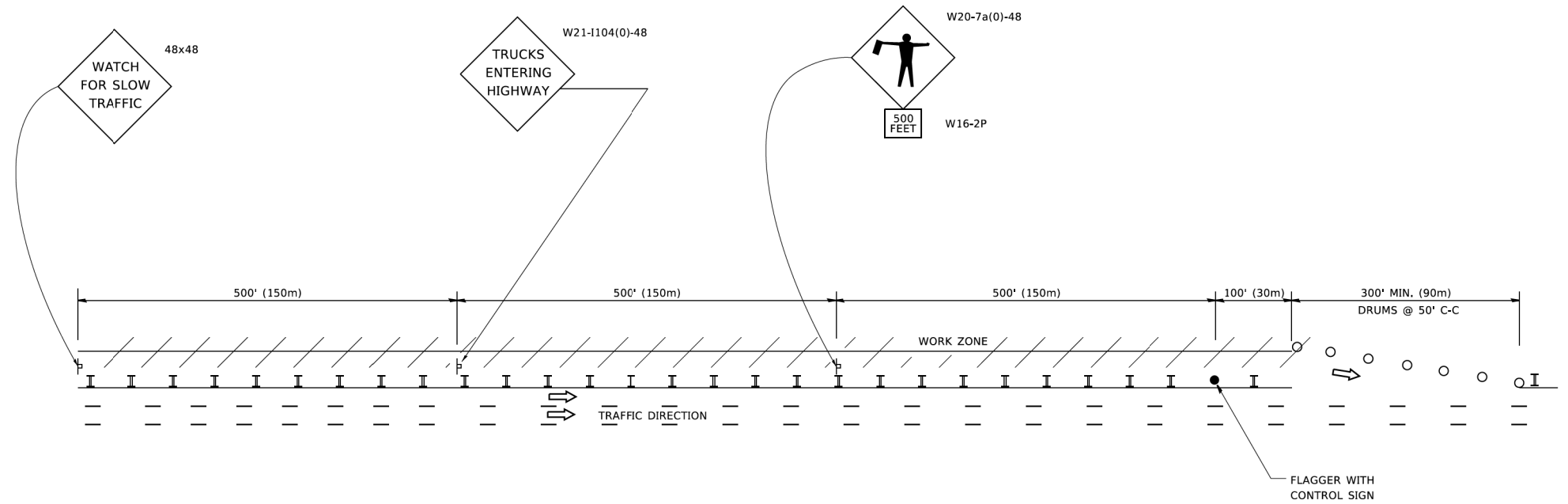
**TRAFFIC CONTROL DETAILS FOR FREEWAY
 SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

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

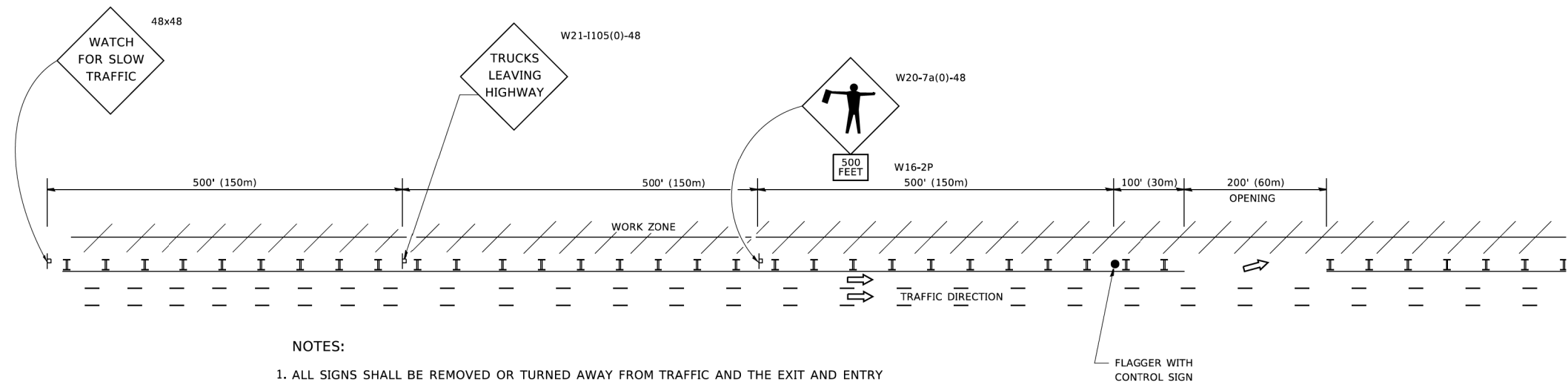
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|--------------|-------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1029 |
| TC-17 | | CONTRACT NO. 62N91 | | |
| ILLINOIS | | FED. AID PROJECT | | |

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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| | | |
|----------------------------|------------|------------------------|
| USER NAME = footemj | DESIGNED - | REVISED - J.A.F. 02-06 |
| | DRAWN - | REVISED - S.P.B. 01-07 |
| PLOT SCALE = 50,0000' / 1" | CHECKED - | REVISED - S.P.B. 12-09 |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - M.D.06-13 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FREEWAY /EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS ON FREEWAYS /EXPRESSWAYS**

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

| | | | | |
|---------------------------|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1030 |
| TC-18 | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

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ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-2-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

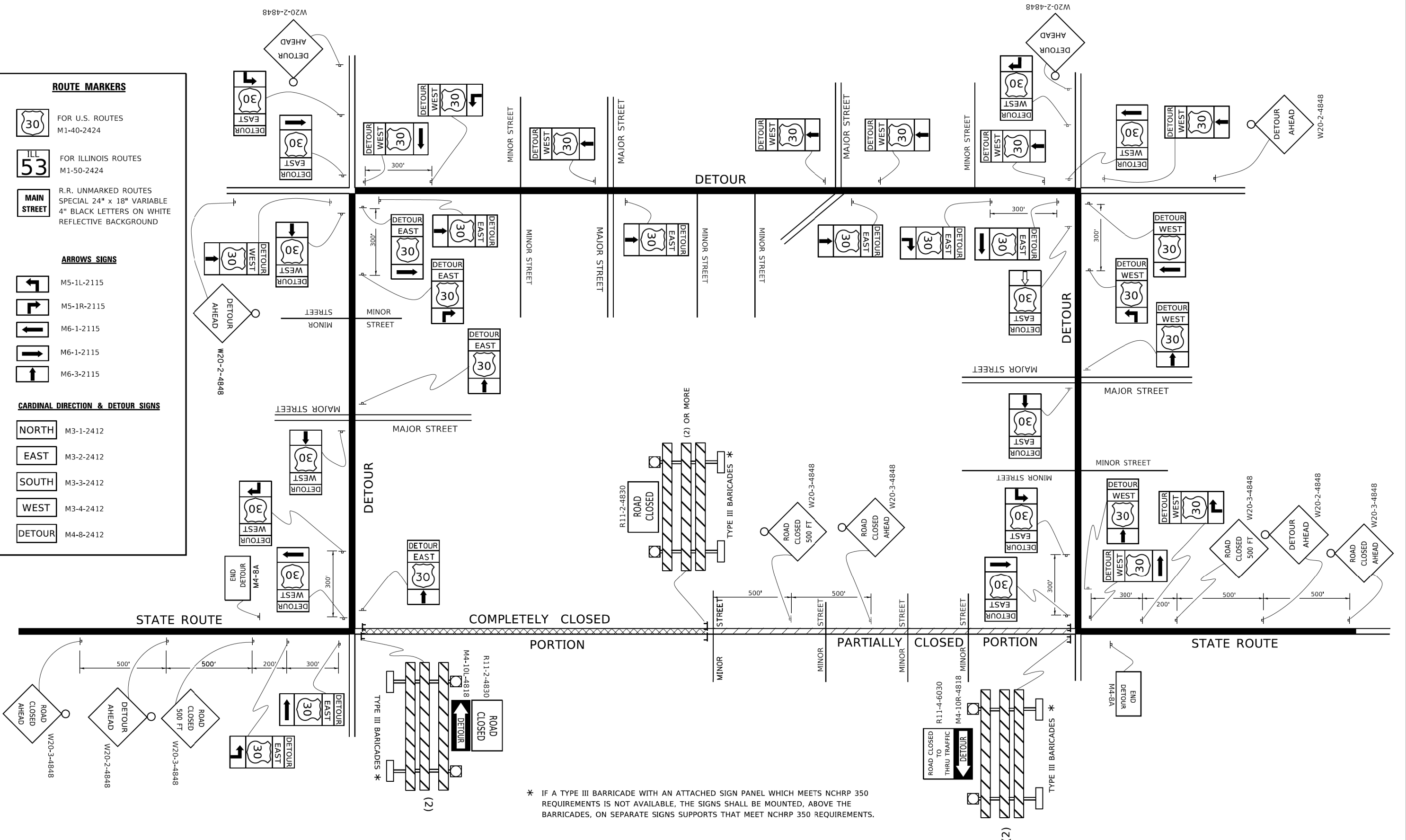
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



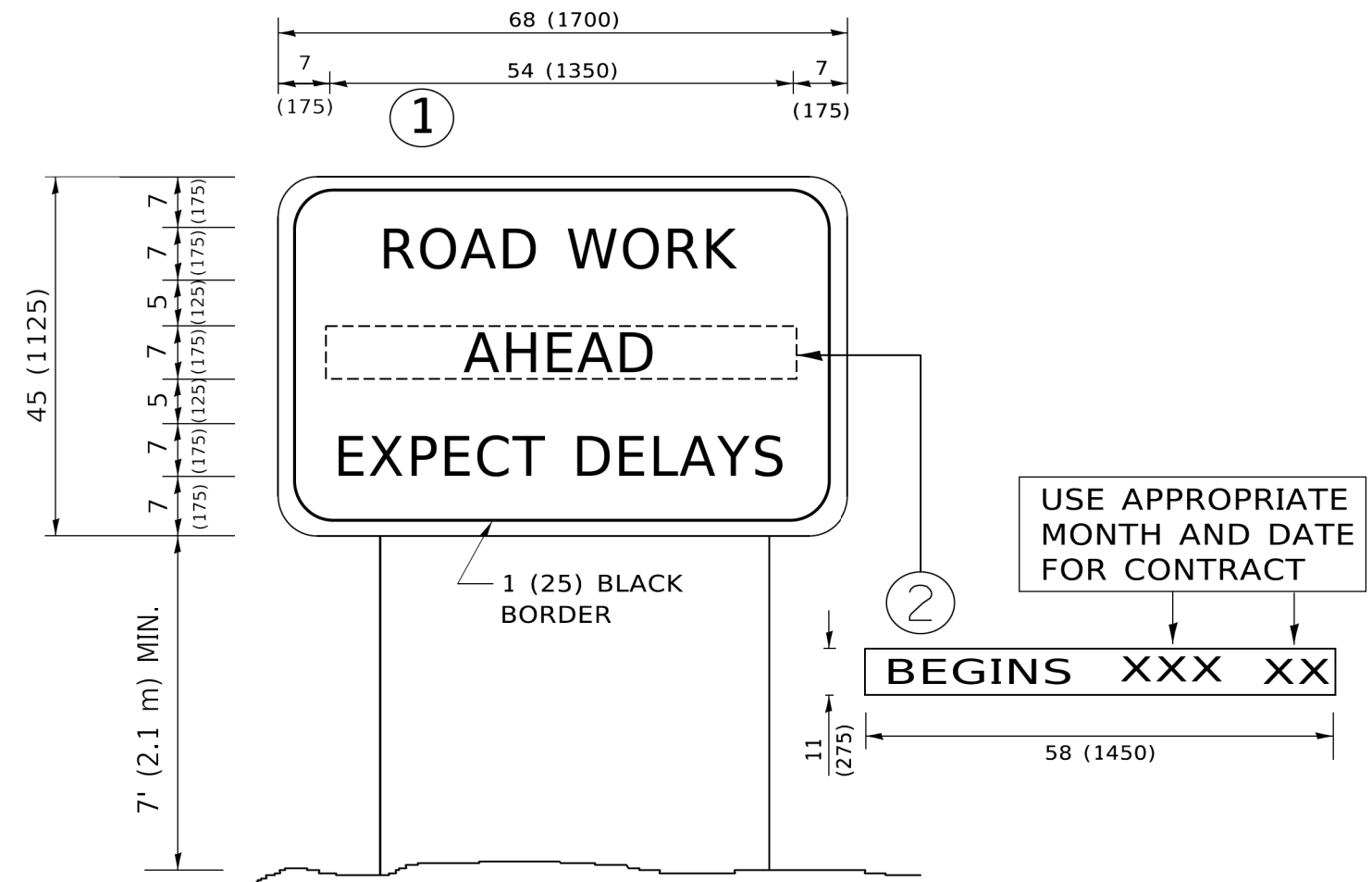
* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

| | | |
|------------------------------|------------|----------------------------|
| USER NAME = footemj | DESIGNED - | REVISED - 10-18-02 |
| | DRAWN - | REVISED - R. BORO 09-14-09 |
| PLOT SCALE = 50,0000' / 1/4" | CHECKED - | REVISED - |
| PLOT DATE = 3/4/2019 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|---------|-------------|--------------|
| DETOUR SIGNING FOR CLOSING STATE HIGHWAYS | | | |
| SCALE: NONE | SHEET 1 | OF 1 SHEETS | STA. TO STA. |

| | | | | |
|-----------------------------|---------------------|--------------------|-------------------|-----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1030A |
| TC-21 | | CONTRACT NO. 62N91 | | |
| 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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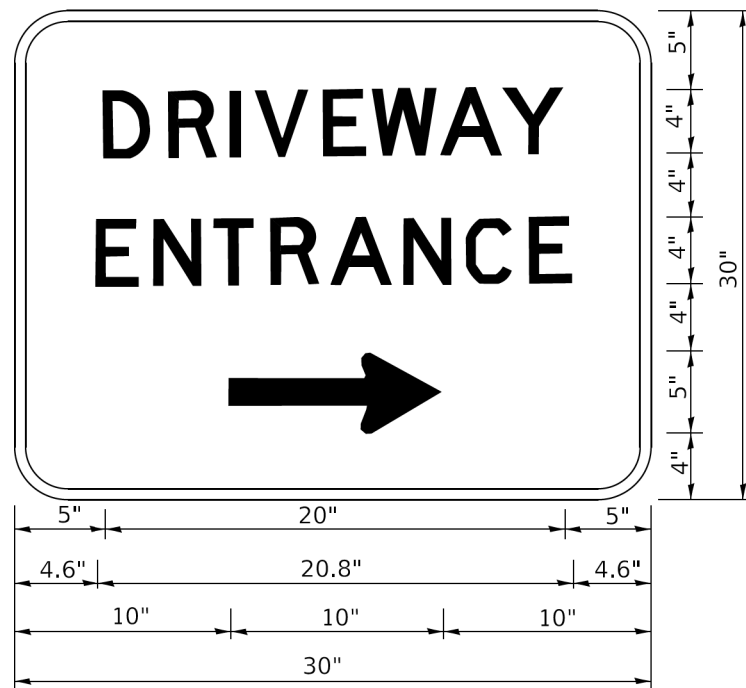
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|------------------------------|------------|---------------------------------|
| USER NAME = footemj | DESIGNED - | REVISED - R. MIRS 09-15-97 |
| | DRAWN - | REVISED - R. MIRS 12-11-97 |
| PLOT SCALE = 50,0000 ' / ft. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 |
| 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.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1031 |
| TC-22 | | | CONTRACT NO. 62N91 | |
| 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".

MODEL: Default
 FILE: \\miles.pva\planroom\dot.illinois.gov\PI\DOT\Documents\DOT_Offices\District_1\Projects\DH\5427231\CAD\Drawn\CADsheets\126.dgn

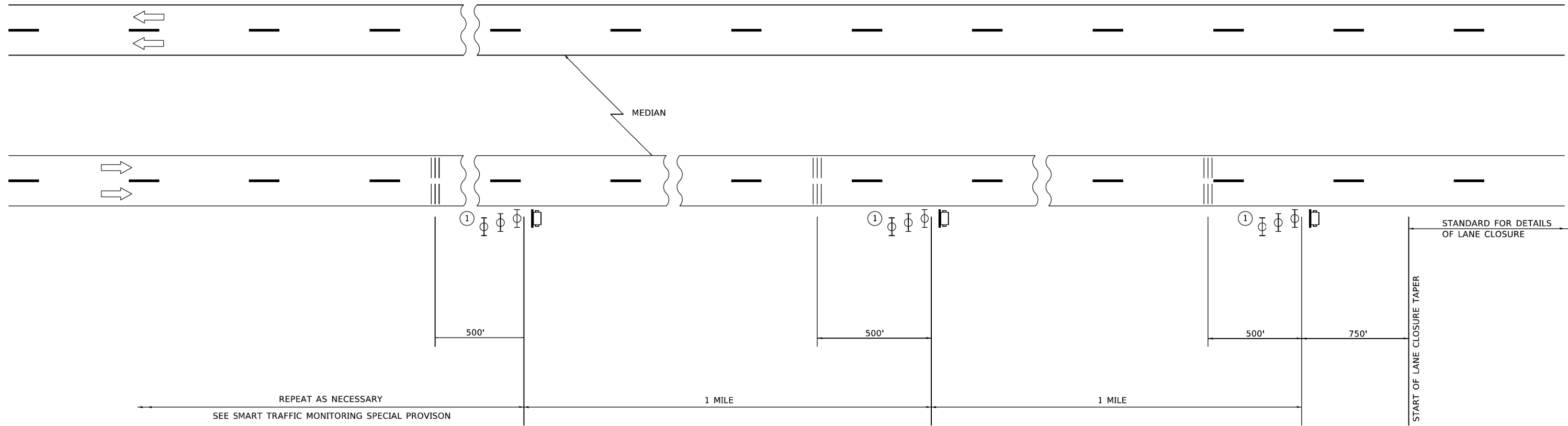
| | | |
|----------------------------|------------|------------------------------|
| USER NAME = leysa | DESIGNED - | REVISED - C. JUCIUS 02-15-07 |
| | DRAWN - | REVISED - |
| PLOT SCALE = 50,0000' / 1" | CHECKED - | REVISED - |
| PLOT DATE = 8/6/2021 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**




DRIVEWAY ENTRANCE SIGNING

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

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1032 |
| TC-26 | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |



SYMBOLS

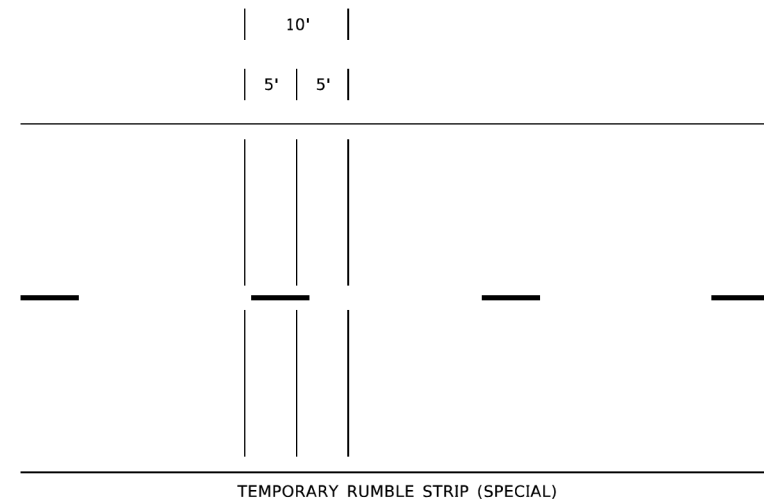
-  PORTABLE CHANGEABLE MESSAGE SIGN
-  TEMPORARY RUMBLE STRIP (SPECIAL)
-  TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES WITH MONODIRECTIONAL FLASHING LIGHT.

① THREE TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' (8 m) CENTERS.

GENERAL NOTE:

THIS DETAIL IS TO BE USED IN CONJUNCTION WITH SMART TRAFFIC MONITORING SYSTEM AND TEMPORARY RUMBLE STRIP (SPECIAL) SPECIAL PROVISIONS.

TRAFFIC CONTROL SHOWN IN THIS DETAIL IS TO BE PROVIDED IN ADDITION TO ANY TEMPORARY TRAFFIC CONTROL SHOWN ON STATE STANDARDS, DISTRICT DETAILS, AND MAINTENANCE OF TRAFFIC PLANS.



MODEL: Default
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| | | |
|-------------------------------|------------|-----------------------------|
| USER NAME = Lawrence,DeManche | DESIGNED - | REVISED - K. SMITH 11-18-22 |
| | DRAWN - | REVISED - |
| PLOT SCALE = 100,0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 11/18/2022 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SMART TRAFFIC MONITORING SYSTEM
TYPICAL LAYOUT**

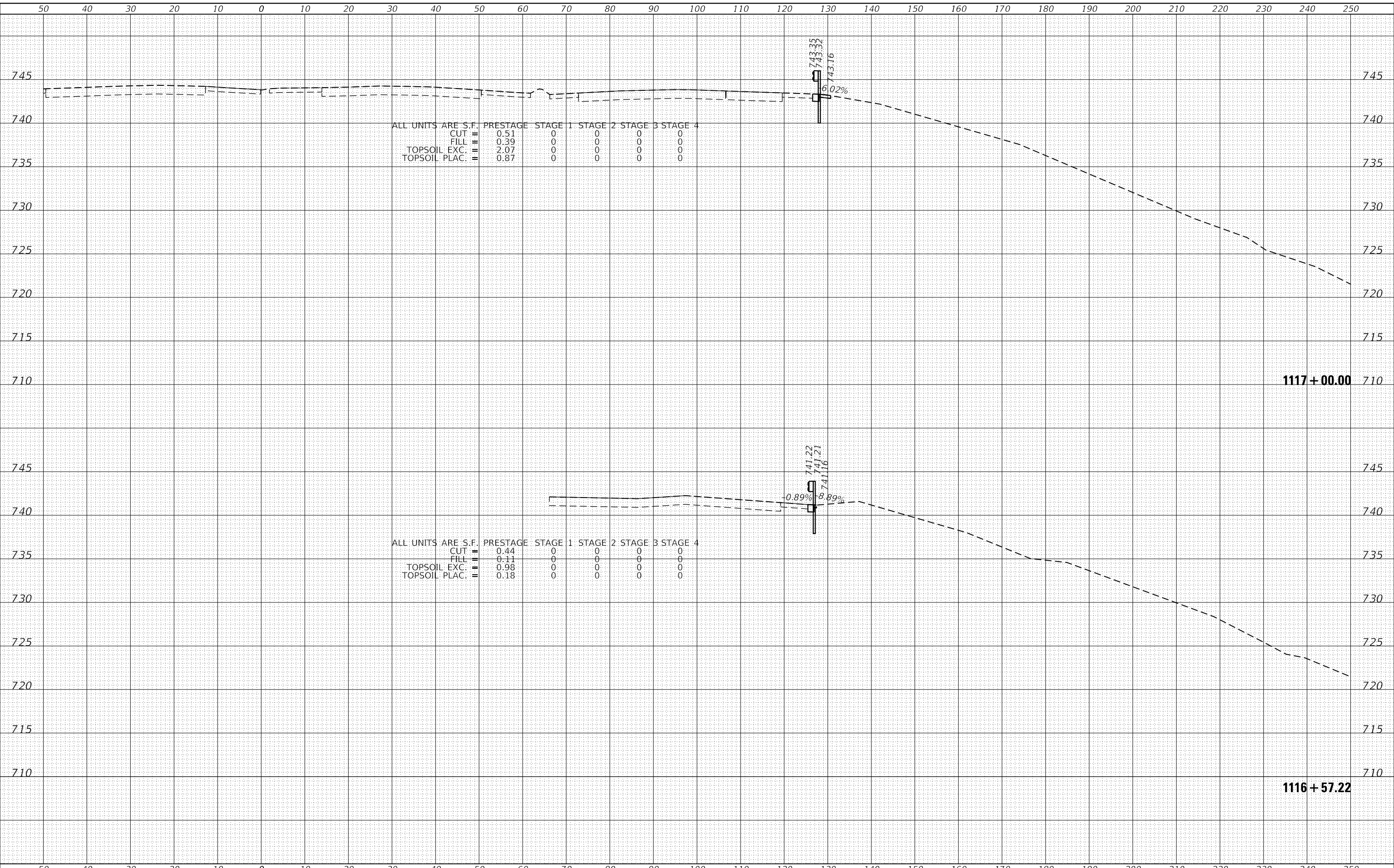
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---------------------------|-------------|--------------------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1033 |
| TC-33 | | CONTRACT NO. 62N91 | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Defnair
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\C2-D162\WP_1bitxcst-LWB-Stair to Algonquin-L53-Saltdn



STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|------------|----------|
| USER NAME = StevenB | DESIGNED - | REVISD - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISD - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISD - |
| | DATE - | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

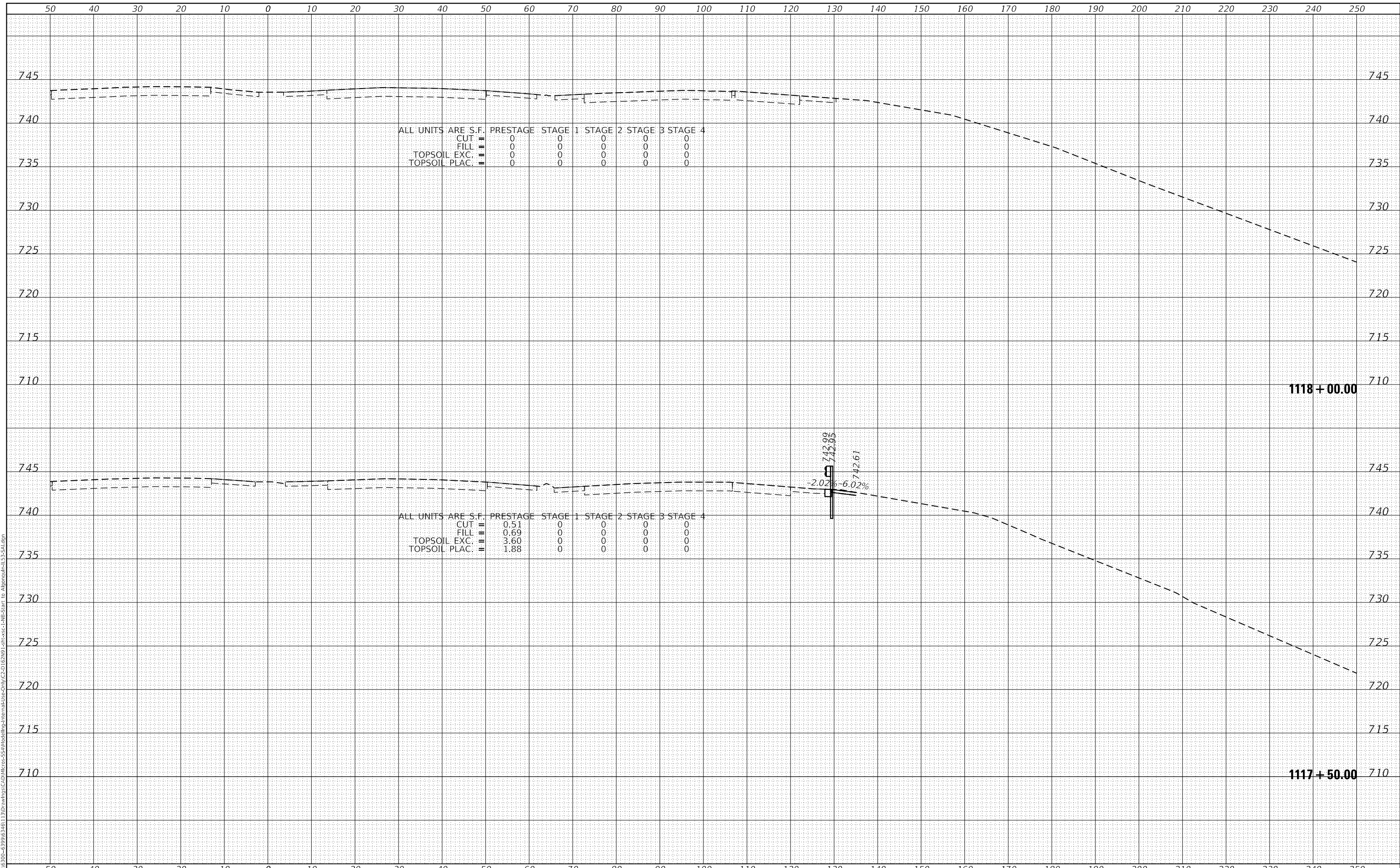
SCALE: 10-H 5-V SHEET 1 OF 286 SHEETS STA. 1116+57.22 TO STA. 1117+00.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1034 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\Internal\Pre-Drawn\C2-D162\N91_fchxc-LNB-Stn to Algonquin-L3-S4.dgn



| ALL UNITS ARE S.F. | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|--------------------|----------|---------|---------|---------|---------|
| CUT = | 0 | 0 | 0 | 0 | 0 |
| FILL = | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. = | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. = | 0 | 0 | 0 | 0 | 0 |

| ALL UNITS ARE S.F. | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|--------------------|----------|---------|---------|---------|---------|
| CUT = | 0.51 | 0 | 0 | 0 | 0 |
| FILL = | 0.69 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. = | 3.60 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. = | 1.88 | 0 | 0 | 0 | 0 |

SA
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND
ASSOCIATES*
(815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
CROSS SECTIONS**

SCALE: 10-H 5-V SHEET 2 OF 286 SHEETS STA. 1117+50.00 TO STA. 1118+00.00

| | | | | |
|-------------|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1035 |
| | | | CONTRACT NO. 62N91 | |

ILLINOIS FED. AID PROJECT

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

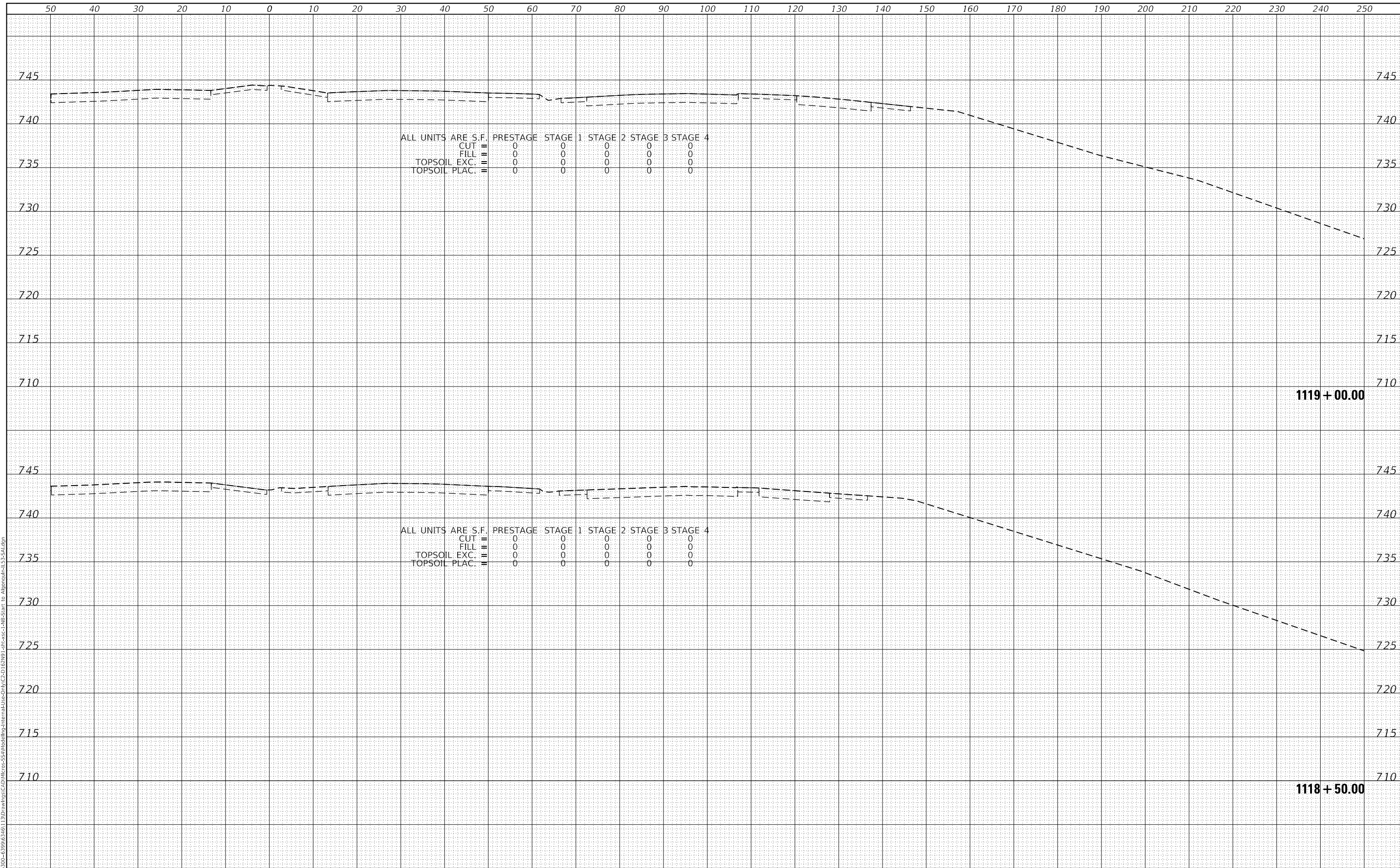
| | |
|-----------------|---------------|
| DATE | |
| BY | |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS CHECKED |

ALL UNITS ARE S.F.

| | | | | | | |
|---------------|---|---|---|---|---|---|
| CUT | = | 0 | 0 | 0 | 0 | 0 |
| FILL | = | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F.

| | | | | | | |
|---------------|---|---|---|---|---|---|
| CUT | = | 0 | 0 | 0 | 0 | 0 |
| FILL | = | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0 | 0 | 0 | 0 | 0 |



1119 + 00.00

1118 + 50.00

MODEL: Defn:air
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\Internal\Pre-Drawn\C2-D 162\N91_1118+50.00.dwg
 STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|------------|----------|
| USER NAME = StevenB | DESIGNED - | REVISD - |
| | DRAWN - | REVISD - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISD - |
| PLOT DATE = 12/13/2024 | DATE - | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

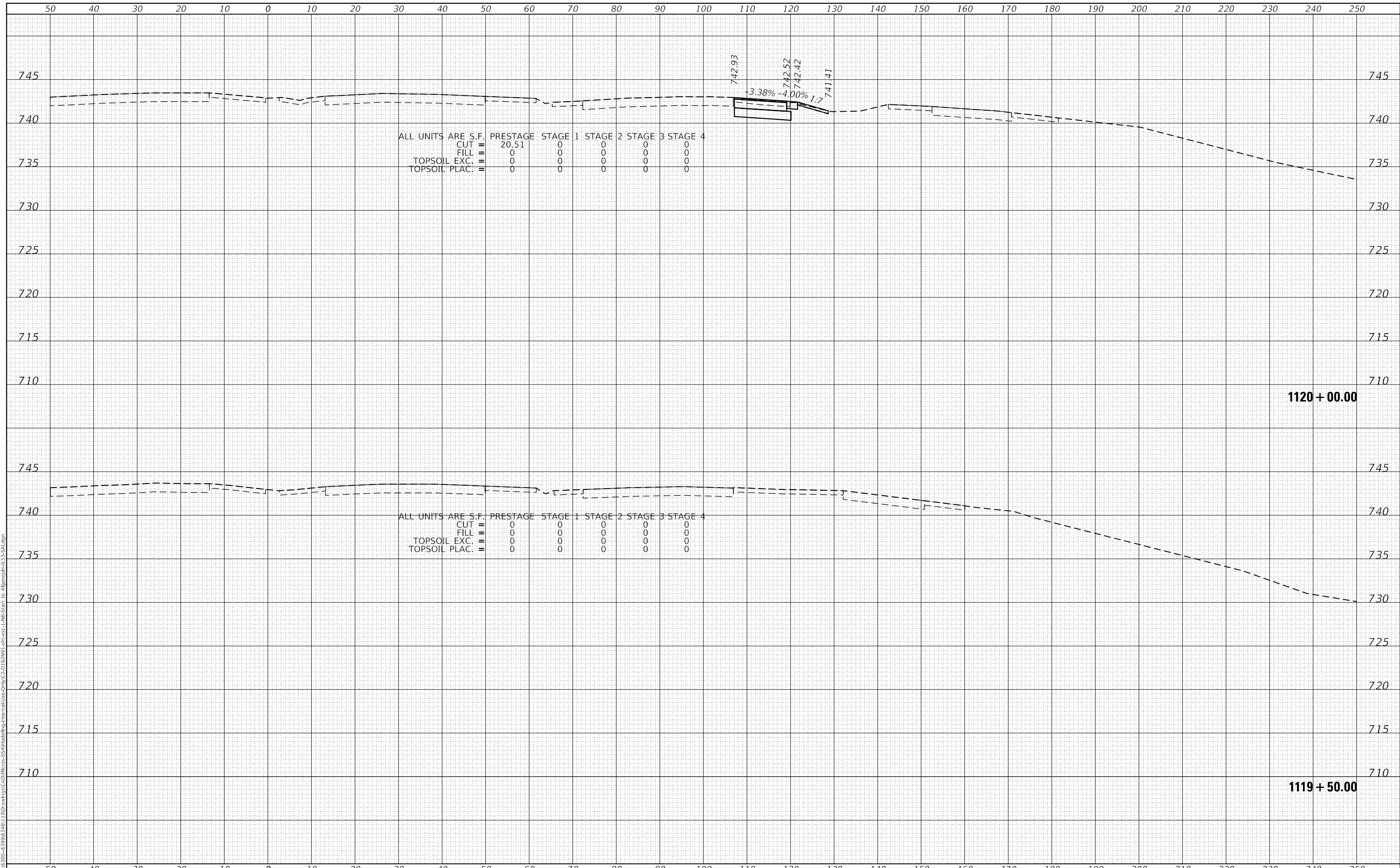
SCALE: 10-H 5-V SHEET 3 OF 286 SHEETS STA. 1118+50.00 TO STA. 1119+00.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1036 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

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 STRAND ASSOCIATES*



ALL UNITS ARE S.F.

| | | | | | | | |
|---------------|---|-------|----------|---------|---------|---------|---------|
| CUT | = | 20.51 | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
| FILL | = | 0 | | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 0 | | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0 | | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F.

| | | | | | | | |
|---------------|---|---|----------|---------|---------|---------|---------|
| CUT | = | 0 | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
| FILL | = | 0 | | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 0 | | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0 | | 0 | 0 | 0 | 0 |

STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB
 DESIGNED -
 DRAWN -
 PLOT SCALE = 20.0000' / in.
 CHECKED -
 PLOT DATE = 12/13/2024
 DATE -

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

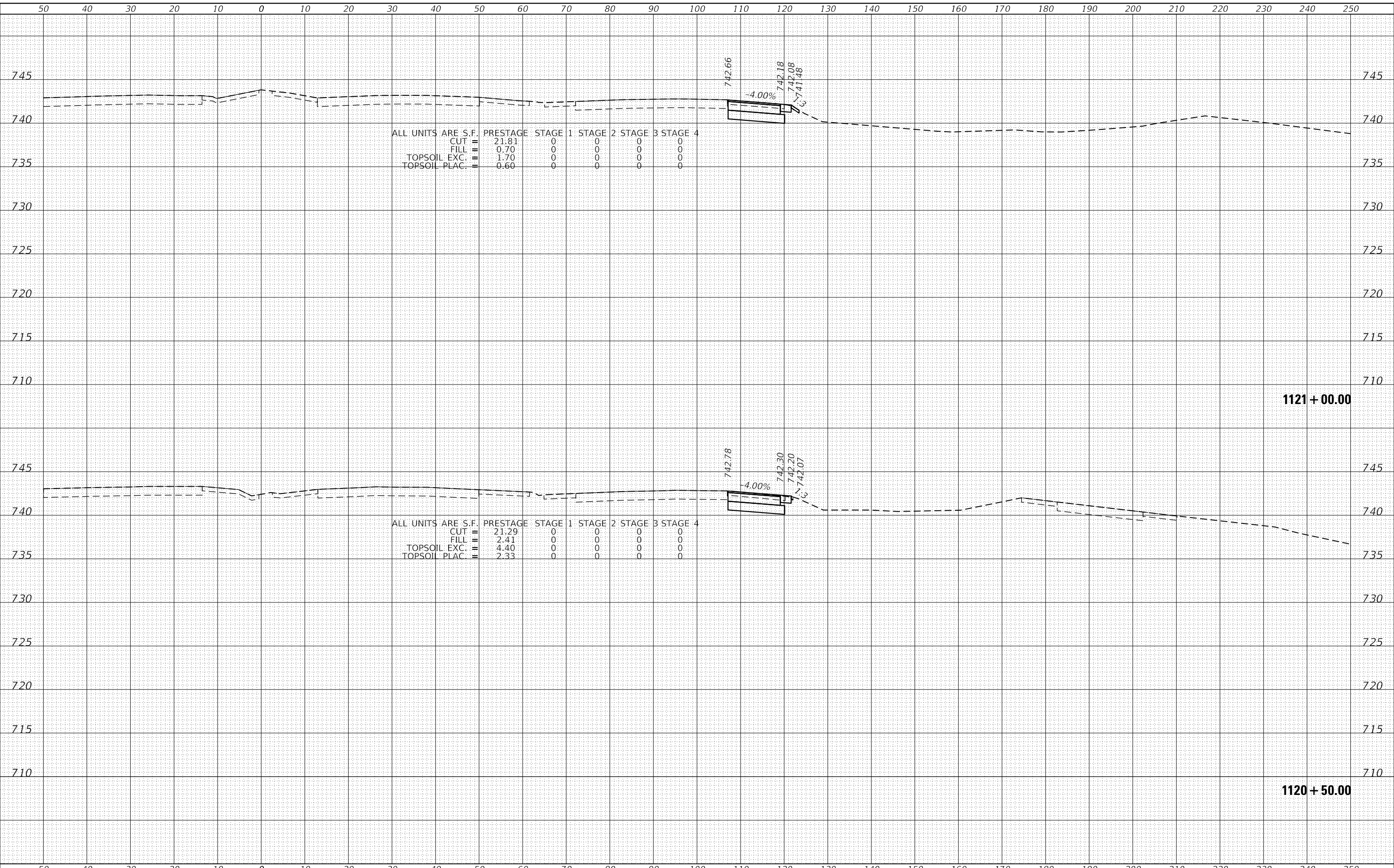
SCALE: 10-H 5-V SHEET 4 OF 286 SHEETS STA. 1119+50.00 TO STA. 1120+00.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1037 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\Internal\Pre-Draw\2-D\162\WP_1bit\xcst-1\WB-Start to Algonquin-LS-Station



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

SCALE: 10-H 5-V SHEET 5 OF 286 SHEETS STA. 1120+50.00 TO STA. 1121+00.00

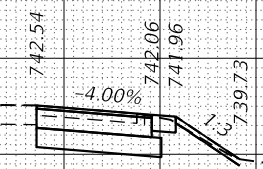
| | | | | |
|---------------------------|---------------------|-------------|--------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1038 |
| | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

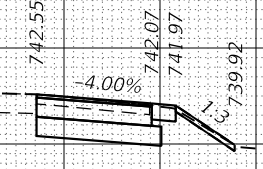
| | |
|-----------------|---------------|
| DATE | |
| BY | |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS CHECKED |

| | | | | | |
|--------------------|----------|---------|---------|---------|---------|
| ALL UNITS ARE S.F. | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
| CUT = | 21.32 | 0 | 0 | 0 | 0 |
| FILL = | 2.89 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. = | 4.96 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. = | 2.20 | 0 | 0 | 0 | 0 |

| | | | | | |
|--------------------|----------|---------|---------|---------|---------|
| ALL UNITS ARE S.F. | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
| CUT = | 21.08 | 0 | 0 | 0 | 0 |
| FILL = | 2.09 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. = | 4.44 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. = | 2.03 | 0 | 0 | 0 | 0 |



1122 + 00.00



1121 + 50.00



| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
CROSS SECTIONS

SCALE: 10-H 5-V SHEET 6 OF 286 SHEETS STA. 1121+50.00 TO STA. 1122+00.00

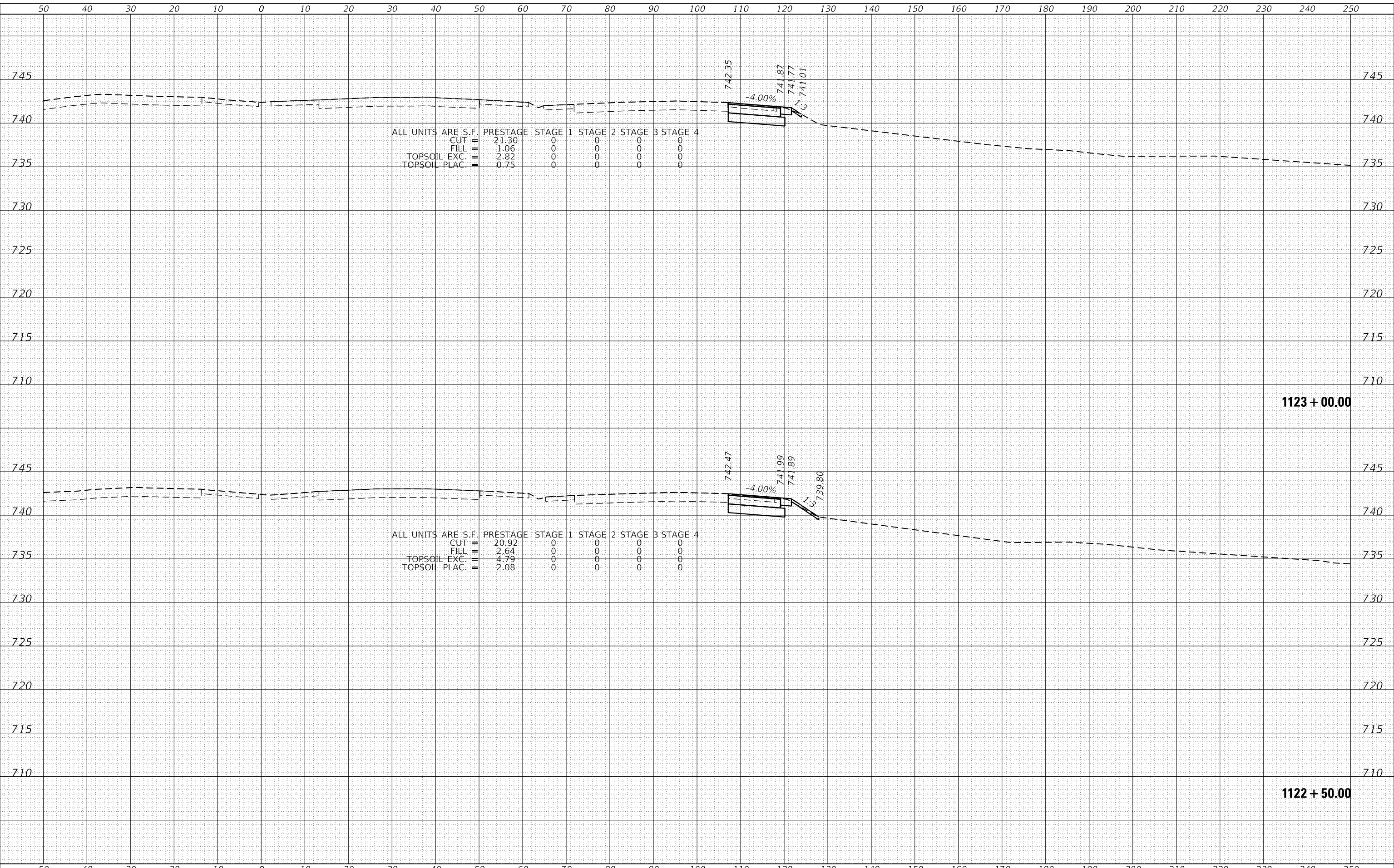
| | | | | |
|-------------|-------------|--------|--------------|---------------------------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1039 |
| | | | | CONTRACT NO. 62N91 |
| | | | | ILLINOIS FED. AID PROJECT |

MODEL: Defaulr
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| | |
|--------------|---------------|
| DATE | |
| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS CHECKED |

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

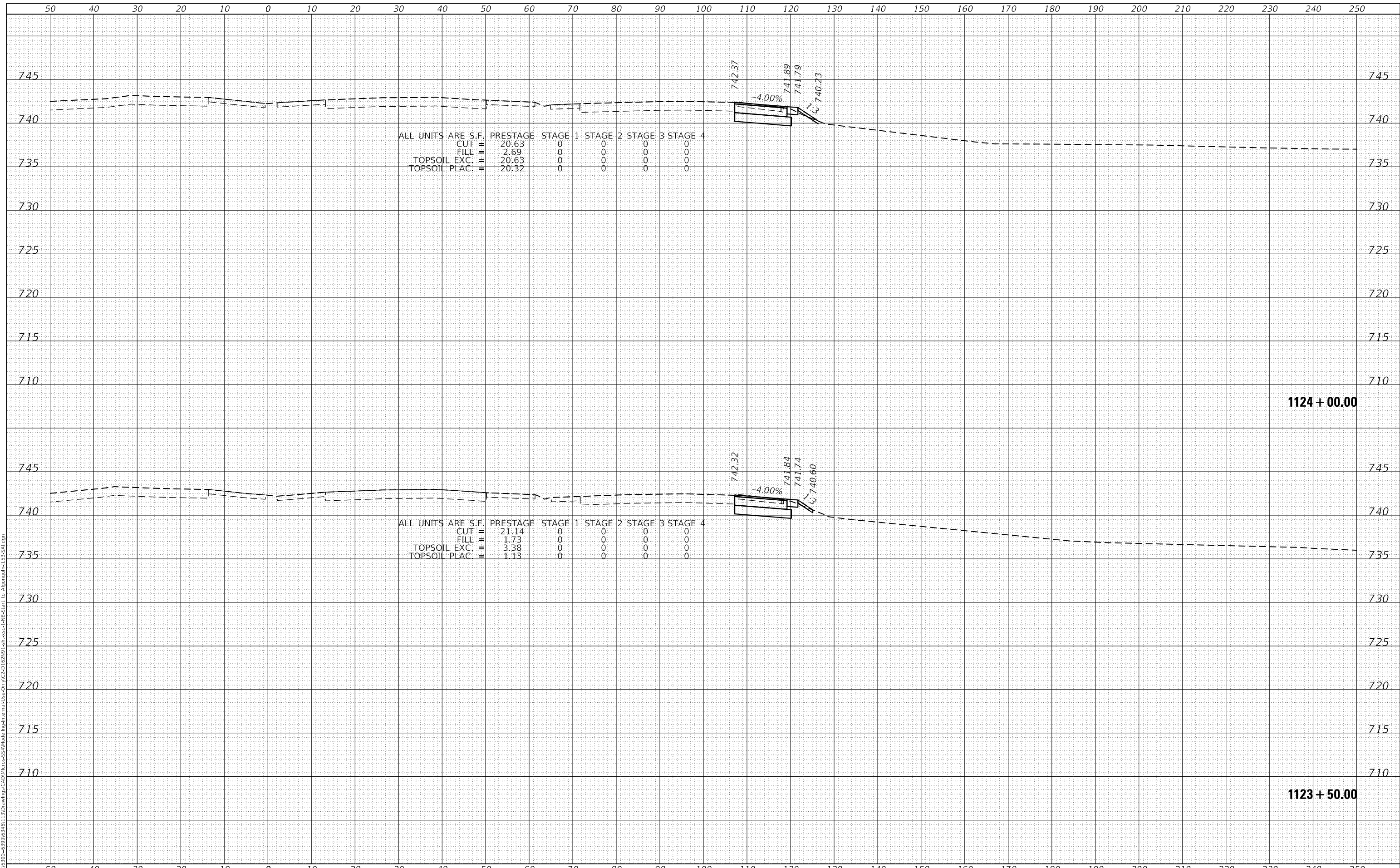
SCALE: 10-H 5-V SHEET 7 OF 286 SHEETS STA. 1122+50.00 TO STA. 1123+00.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|-------------|----------|--------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1040 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\Internal\Pre-Drawn\C2-D 162\NBT_1bitxcst-LNB-Stair to Algonquin-L13-541.dgn



SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

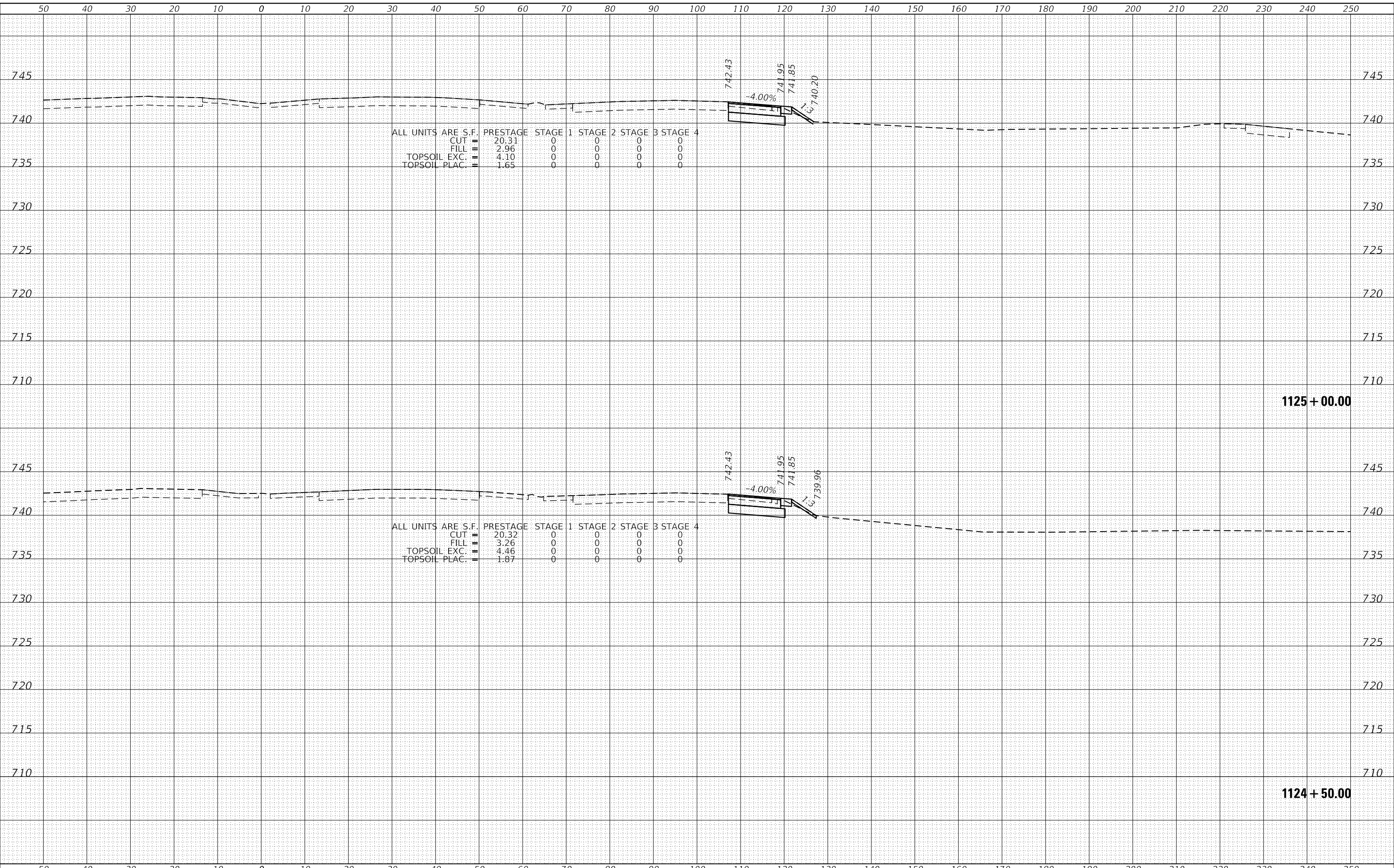
SCALE: 10-H 5-V SHEET 8 OF 286 SHEETS STA. 1123+50.00 TO STA. 1124+00.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|-------------|--------|---------------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1041 |
| | | | CONTRACT NO. 62N91 | |
| | | | ILLINOIS FED. AID PROJECT | |

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

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

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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

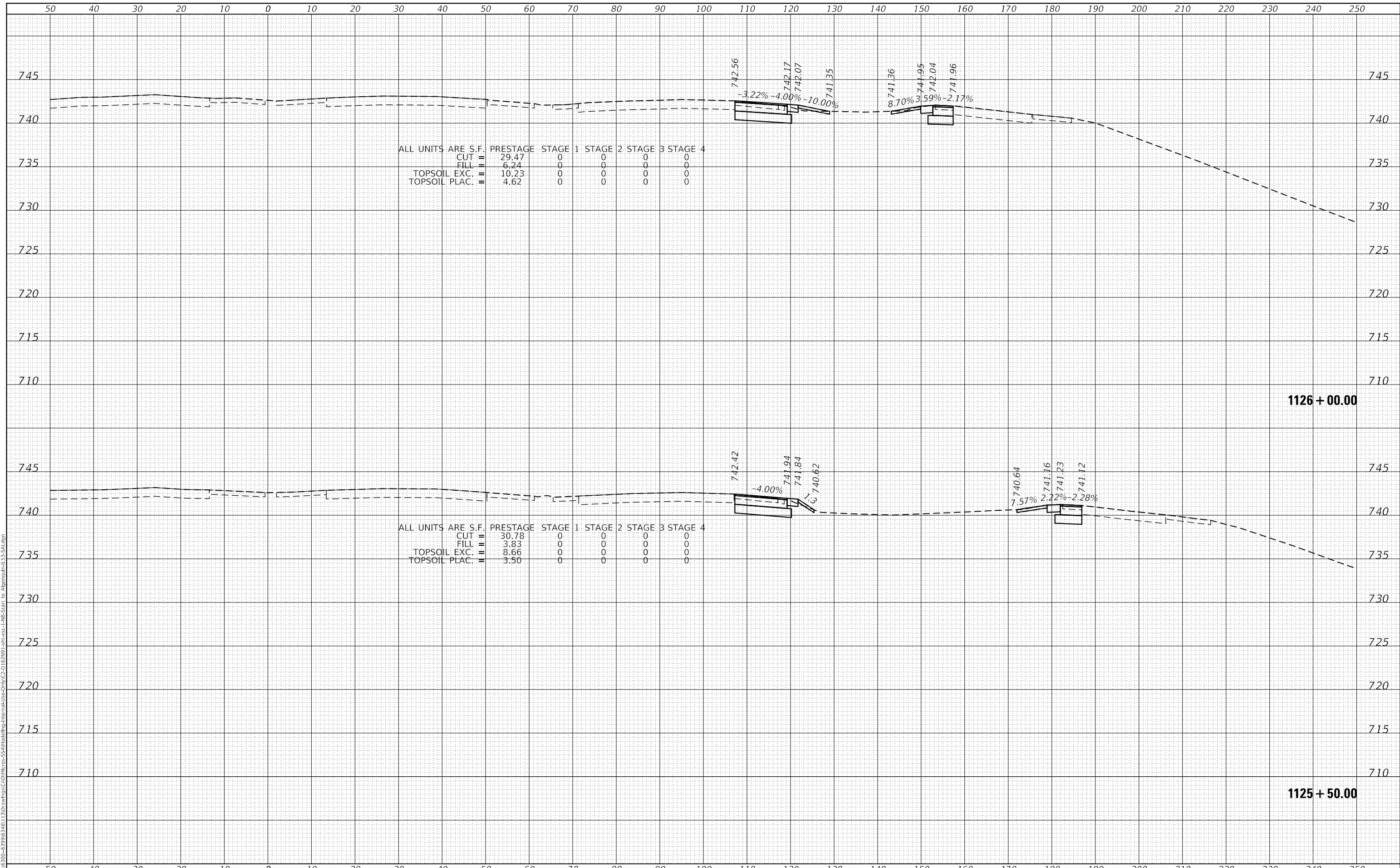
SCALE: 10-H 5-V SHEET 9 OF 286 SHEETS STA. 1124+50.00 TO STA. 1125+00.00

| | | | | |
|-------------|-------------|---------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1042 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS FED. AID PROJECT | | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\C2-D162\N91_113\cxc-LNB-Stn to Algonquin-L3-Station



ALL UNITS ARE S.F.

| | | | | | | | | | | | | |
|---------------|---|-------|----------|---|---------|---|---------|---|---------|---|---------|---|
| CUT | = | 29.47 | PRESTAGE | 0 | STAGE 1 | 0 | STAGE 2 | 0 | STAGE 3 | 0 | STAGE 4 | 0 |
| FILL | = | 6.24 | | 0 | | 0 | | 0 | | 0 | | 0 |
| TOPSOIL EXC. | = | 10.23 | | 0 | | 0 | | 0 | | 0 | | 0 |
| TOPSOIL PLAC. | = | 4.62 | | 0 | | 0 | | 0 | | 0 | | 0 |

ALL UNITS ARE S.F.

| | | | | | | | | | | | | |
|---------------|---|-------|----------|---|---------|---|---------|---|---------|---|---------|---|
| CUT | = | 30.78 | PRESTAGE | 0 | STAGE 1 | 0 | STAGE 2 | 0 | STAGE 3 | 0 | STAGE 4 | 0 |
| FILL | = | 3.83 | | 0 | | 0 | | 0 | | 0 | | 0 |
| TOPSOIL EXC. | = | 8.66 | | 0 | | 0 | | 0 | | 0 | | 0 |
| TOPSOIL PLAC. | = | 3.50 | | 0 | | 0 | | 0 | | 0 | | 0 |

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

USER NAME = StevenB
 DESIGNED -
 DRAWN -
 PLOT SCALE = 20.0000' / in.
 CHECKED -
 REVISIED -
 DATE -
 PLOT DATE = 12/13/2024

DESIGNED -
 DRAWN -
 CHECKED -
 REVISIED -
 DATE -

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

SCALE: 10-H 5-V SHEET 10 OF 286 SHEETS STA. 1125+50.00 TO STA. 1126+00.00

| | | | | |
|-------------|-------------|---------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1043 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS FED. AID PROJECT | | |

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

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

| | | | | | |
|--------------------|----------|---------|---------|---------|---------|
| ALL UNITS ARE S.F. | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
| CUT | 15.31 | 0 | 0 | 0 | 0 |
| FILL | 2.22 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | 4.00 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | 0 | 0 | 0 | 0 | 0 |

| | | | | | |
|--------------------|----------|---------|---------|---------|---------|
| ALL UNITS ARE S.F. | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
| CUT | 0 | 0 | 0 | 0 | 0 |
| FILL | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | 0 | 0 | 0 | 0 | 0 |

742.16
4.05%
741.80
4.05%
741.70
1.6
740.82

1127 + 00.00

1126 + 50.00

STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB
DESIGNED -
DRAWN -
PLOT SCALE = 20.0000' / in.
CHECKED -
PLOT DATE = 12/13/2024
DATE -

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
CROSS SECTIONS

SCALE: 10-H 5-V SHEET 11 OF 286 SHEETS STA. 1126+50.00 TO STA. 1127+00.00

| | | | | |
|-------------|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1044 |
| | | | CONTRACT NO. 62N91 | |

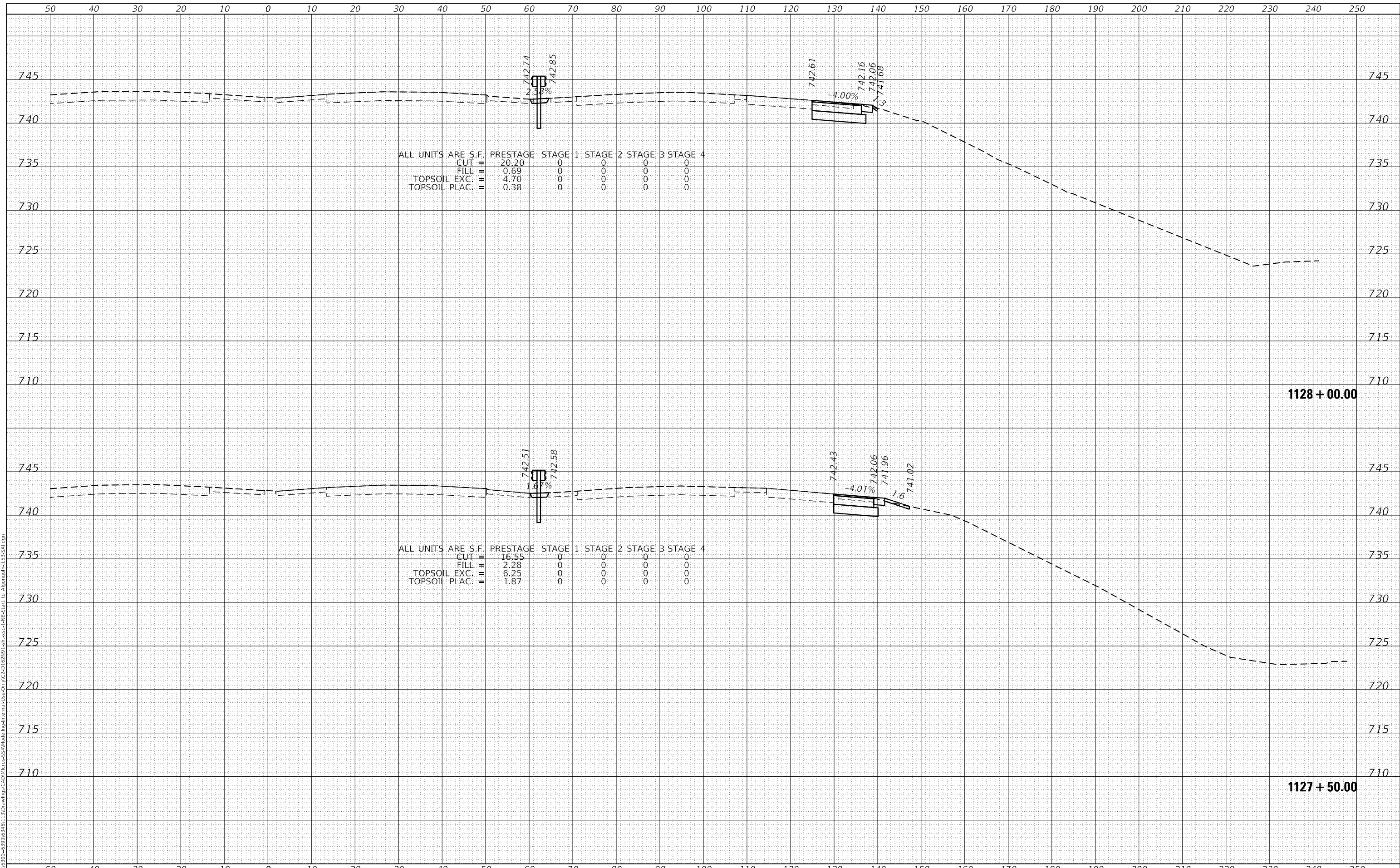
ILLINOIS FED. AID PROJECT

MODEL: Defaulr
FILE NAME: S:\D:\6300-6399\6346_113\Drawings\CAD\Drawings\C2-D\162\NBI_162\cxs-1\NB-511r.dwg to Algonquin-IL-53-54.dwg

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

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

MODEL Defaulr
FILE NAME: S:\01010300-63901346_113\Drawings\C-D\Drawings\C-D\MicroStation\Internal\Pre-Dwg\C-D-162\NB-1127-1128-1129-1130.dwg
I:\MicroStation\Internal\Pre-Dwg\C-D-162\NB-1127-1128-1129-1130.dwg



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES* (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
CROSS SECTIONS

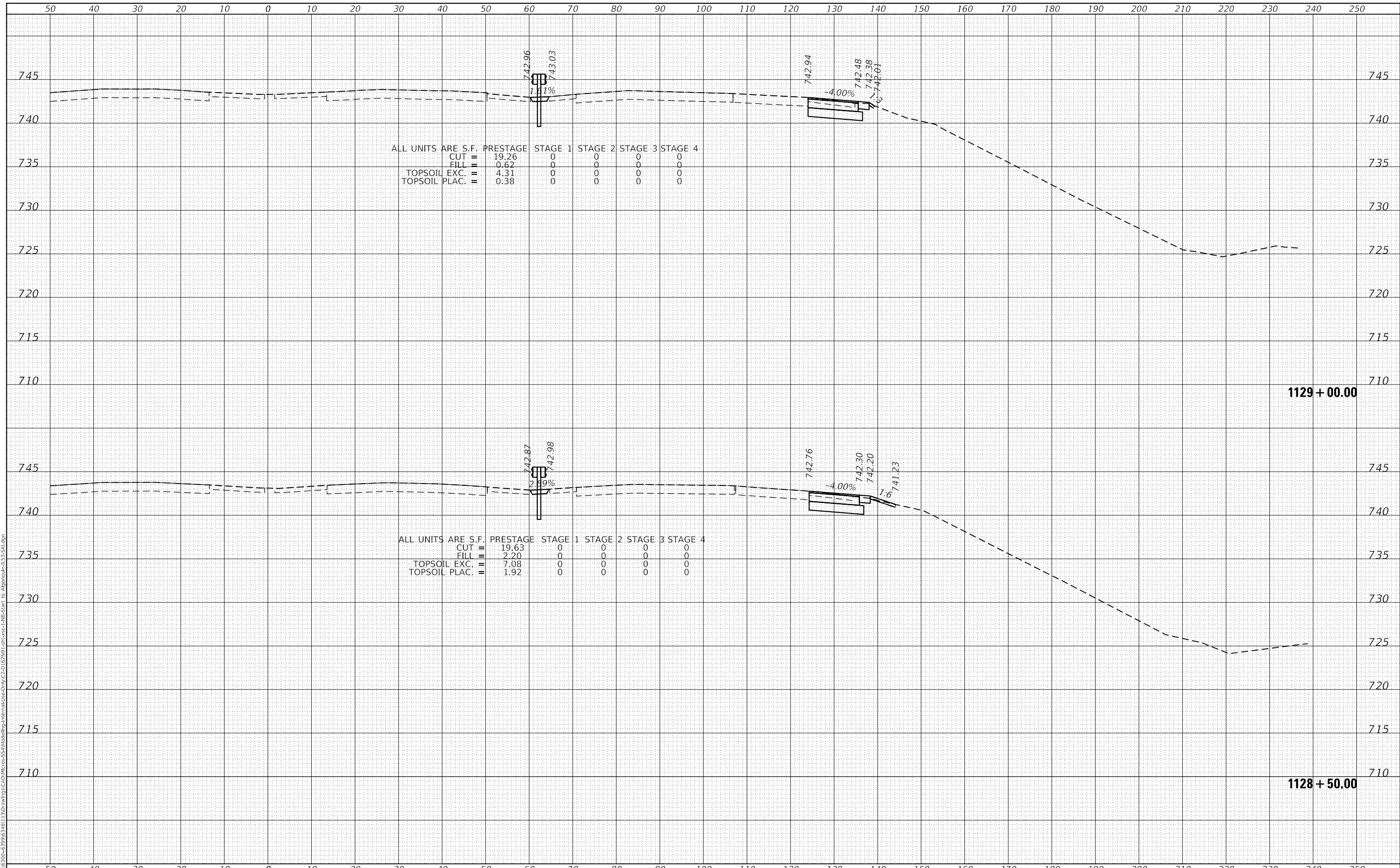
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|-------------|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1045 |
| | | | CONTRACT NO. 62N91 | |

ILLINOIS FED. AID PROJECT

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\Internal\Pre-Drawn\C2-D 162\N91_1610xc-LWB-Stair to Algonquin-L13-541.dgn



ALL UNITS ARE S.F.

| | | | | | | | | | | | | |
|---------------|---|-------|----------|---|---------|---|---------|---|---------|---|---------|---|
| CUT | = | 19.26 | PRESTAGE | 0 | STAGE 1 | 0 | STAGE 2 | 0 | STAGE 3 | 0 | STAGE 4 | 0 |
| FILL | = | 0.62 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 4.31 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0.38 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F.

| | | | | | | | | | | | | |
|---------------|---|-------|----------|---|---------|---|---------|---|---------|---|---------|---|
| CUT | = | 19.63 | PRESTAGE | 0 | STAGE 1 | 0 | STAGE 2 | 0 | STAGE 3 | 0 | STAGE 4 | 0 |
| FILL | = | 2.20 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 7.08 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 1.92 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

USER NAME = StevenB
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 12/13/2024

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
CROSS SECTIONS

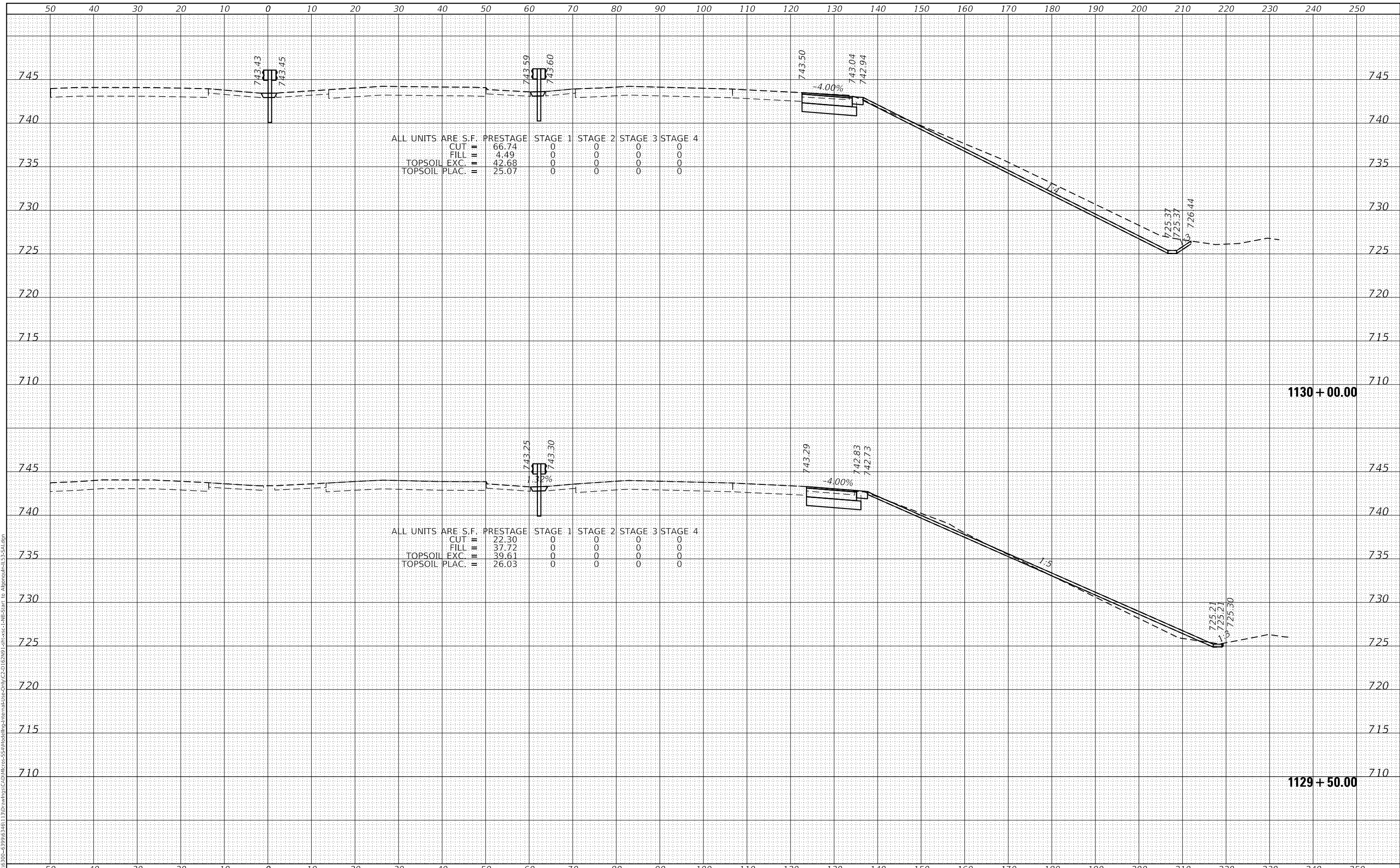
SCALE: 10-H 5-V SHEET 13 OF 286 SHEETS STA. 1128+50.00 TO STA. 1129+00.00

| | | | | |
|-------------|-------------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1046 |
| | | | CONTRACT NO. 62N91 | |
| | | | ILLINOIS FED. AID PROJECT | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_1130.dwg
 C:\Program Files\Autodesk\AutoCAD 2018\bin\acad.exe -i:\h:\strand\1130.dwg -t:1130.dwg -u:Administrator



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

SCALE: 10-H 5-V SHEET 14 OF 286 SHEETS STA. 1129+50.00 TO STA. 1130+00.00

| | | | | |
|-----------------|---------------------|-------------|---------------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1047 |
| | | | CONTRACT NO. 62N91 | |
| | | | ILLINOIS FED. AID PROJECT | |

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

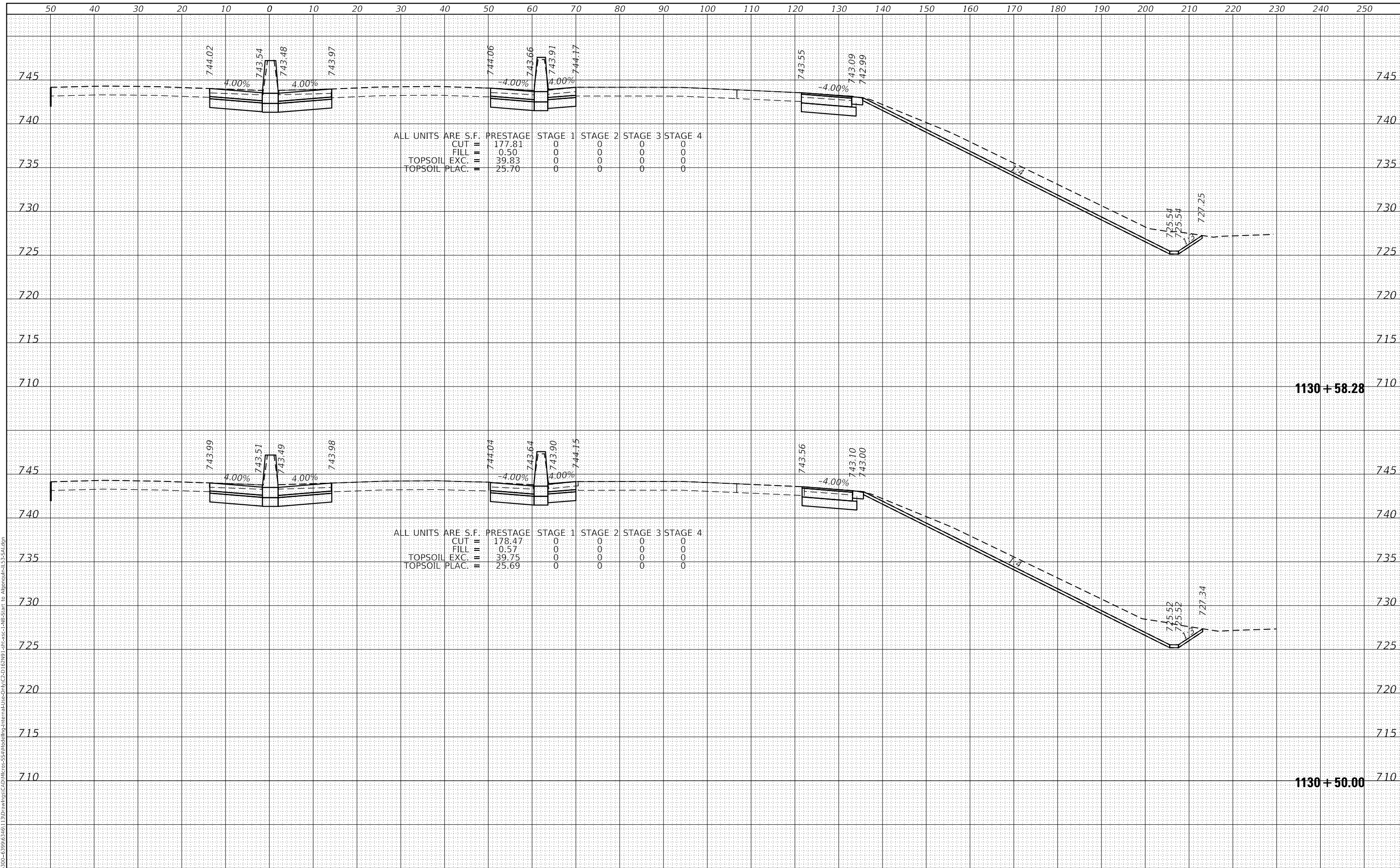
| | |
|-----------------|---------------|
| DATE | |
| BY | |
| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS CHECKED |

ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | 177.81 | 0 | 0 | 0 | 0 |
| FILL | 0.50 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | 39.83 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | 25.70 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | 178.47 | 0 | 0 | 0 | 0 |
| FILL | 0.57 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | 39.75 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | 25.69 | 0 | 0 | 0 | 0 |



MODEL: Defaul
 FILE NAME: S:\01\6300-6399\6346_1130\Drawings\CAD\Drawings\Internal\Pre-Draw\C2-D162\NB-1130-50-00.dwg
 STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
CROSS SECTIONS**

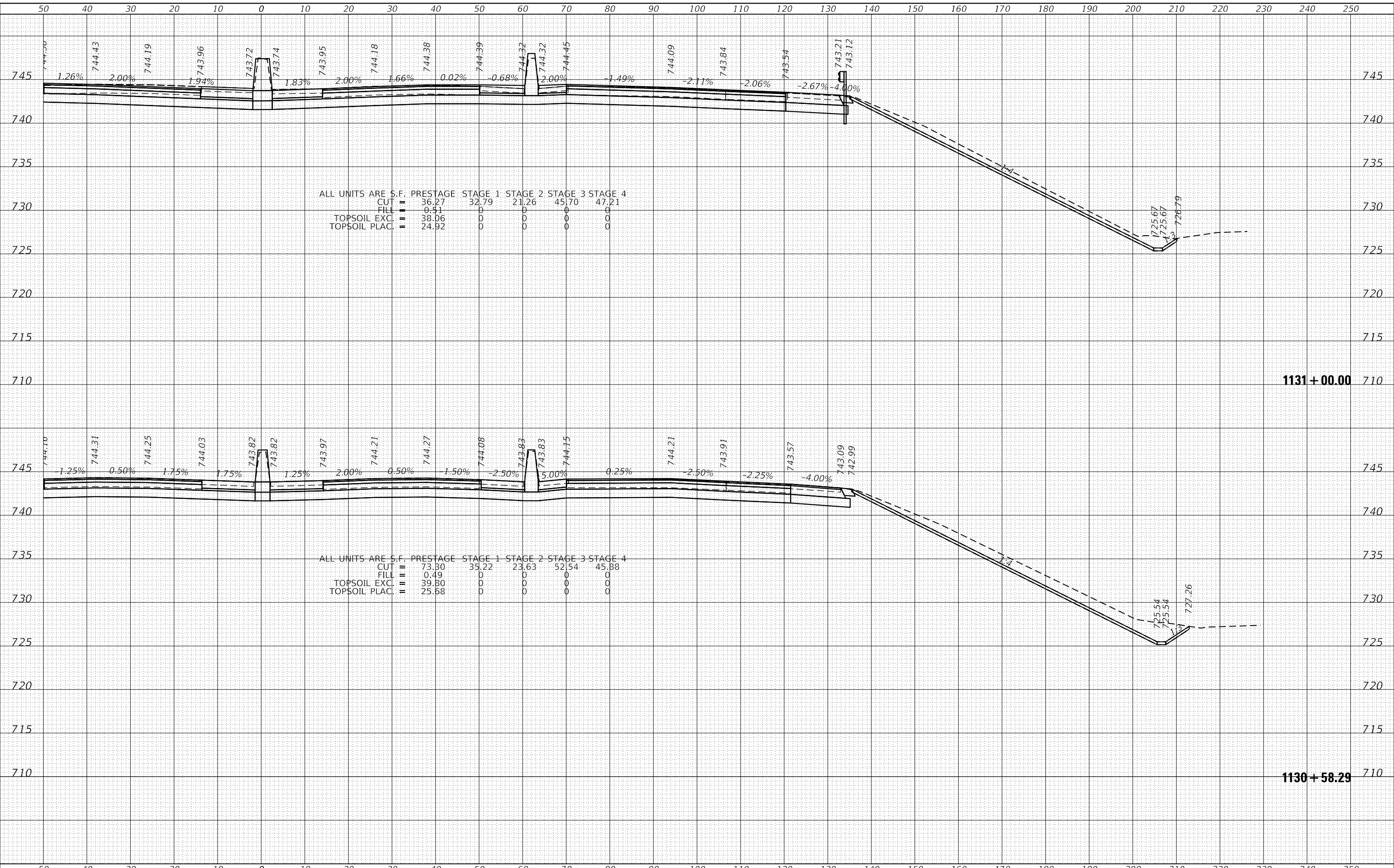
SCALE: 10-H 5-V SHEET 15 OF 286 SHEETS STA. 1130+50.00 TO STA. 1130+58.28

| | | | | |
|---------------------------|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1048 |
| | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

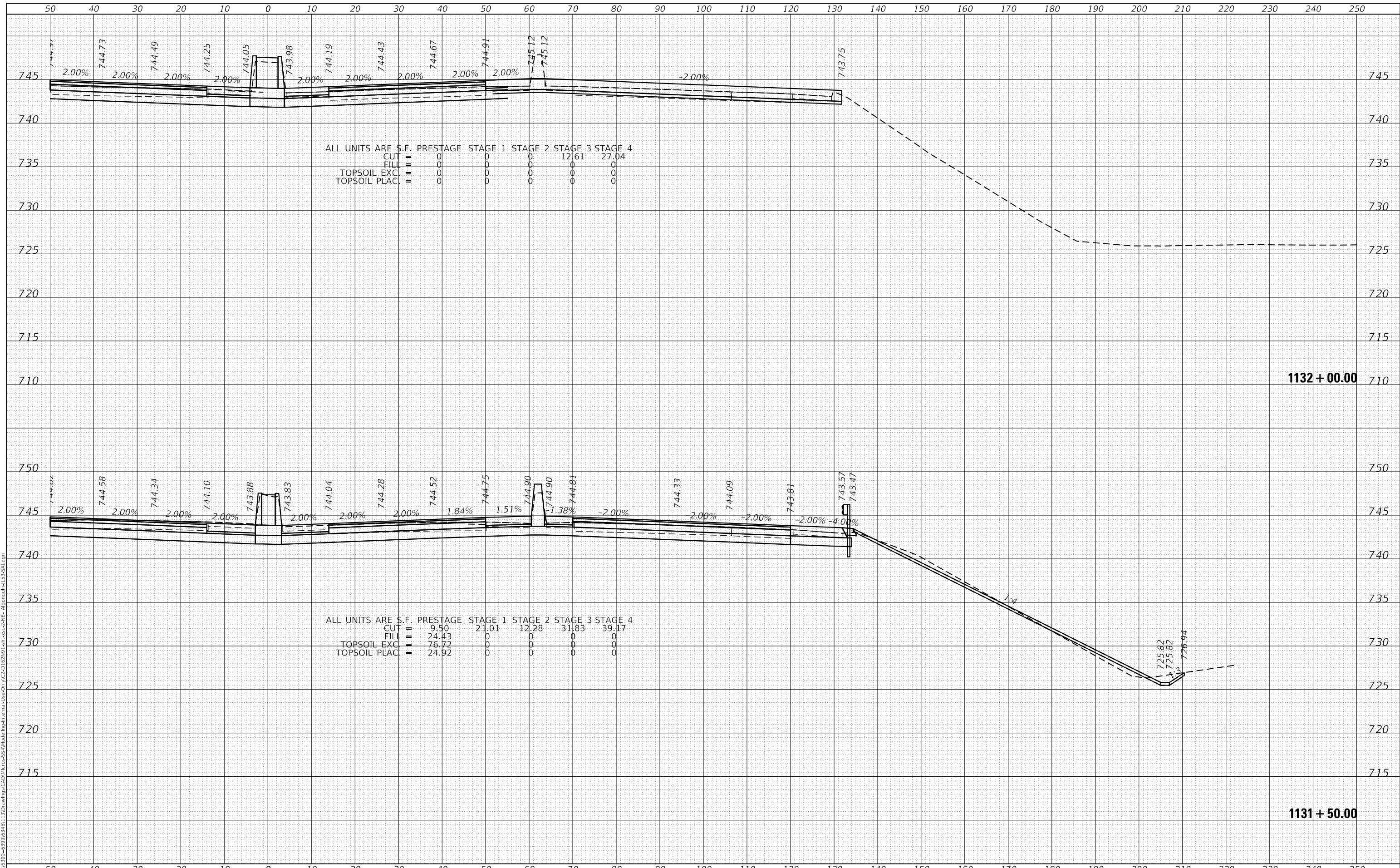
MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_1130.dwg
 C:\Program Files\Autodesk\AutoCAD 2018\bin\acad.exe -i:\external\p1\c2-d\162\N91_1130.dwg -218 -Algorquim\1130.dwg



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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_1131D.rvt
 C:\ProgramData\Autodesk\LT2015\bin\lts.exe-2MB-Algorithm=LS-Solution



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

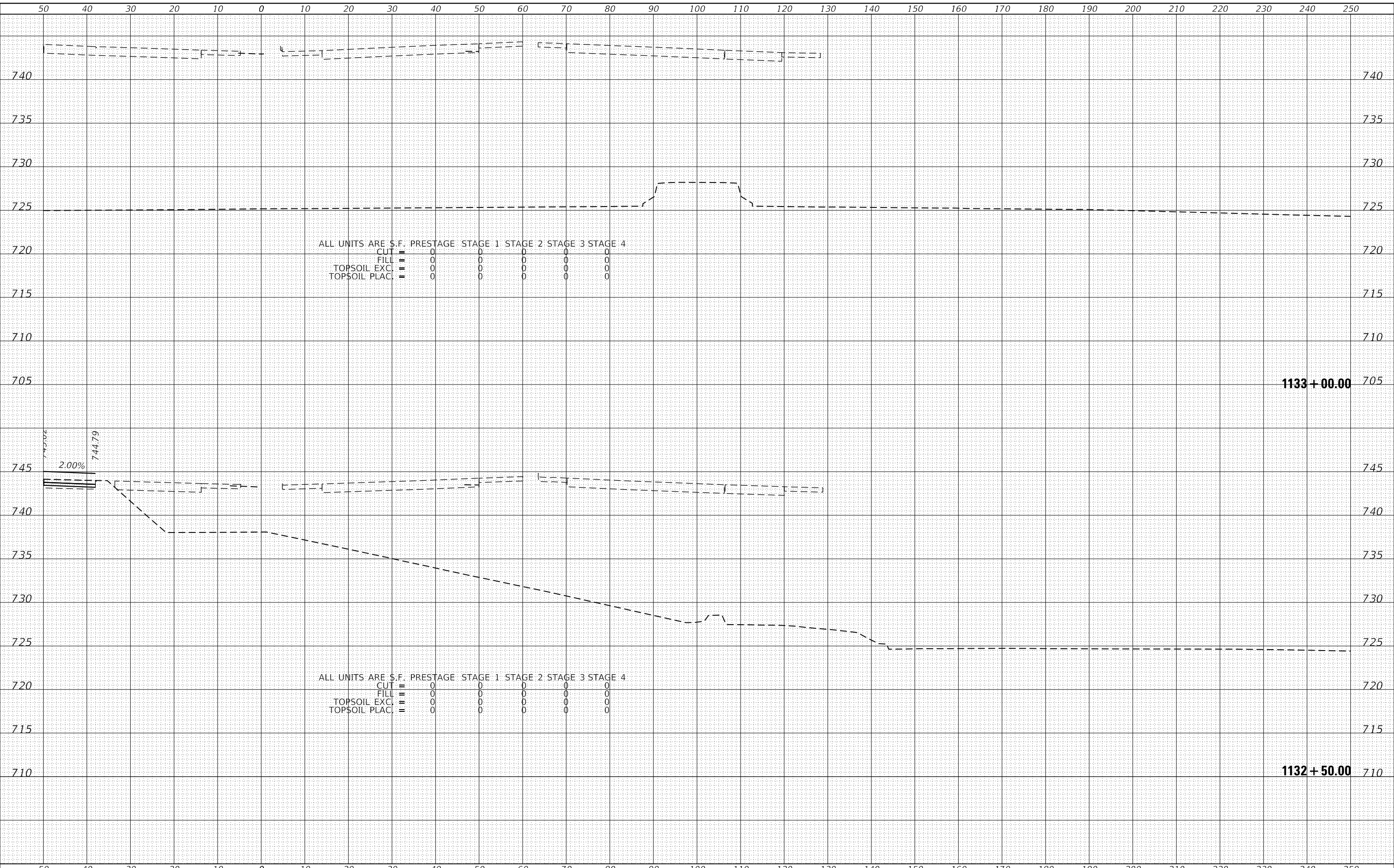
NB IL ROUTE 53 AT IL ROUTE 62 (ALGONQUIN ROAD)
 CROSS SECTIONS
 SCALE: 10-H 5-V SHEET 17 OF 286 SHEETS STA. 1131+50.00 TO STA. 1132+00.00

| | | | | |
|-------------|-------------|--------|--------------|---------------------------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1050 |
| | | | | CONTRACT NO. 62N91 |
| | | | | ILLINOIS FED. AID PROJECT |

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

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

MODEL: Defaulr
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1133 + 00.00

1132 + 50.00



| | | |
|------------------------------|------------|----------|
| USER NAME = StevenB | DESIGNED - | REVISD - |
| | DRAWN - | REVISD - |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - | REVISD - |
| PLOT DATE = 12/13/2024 | DATE - | REVISD - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

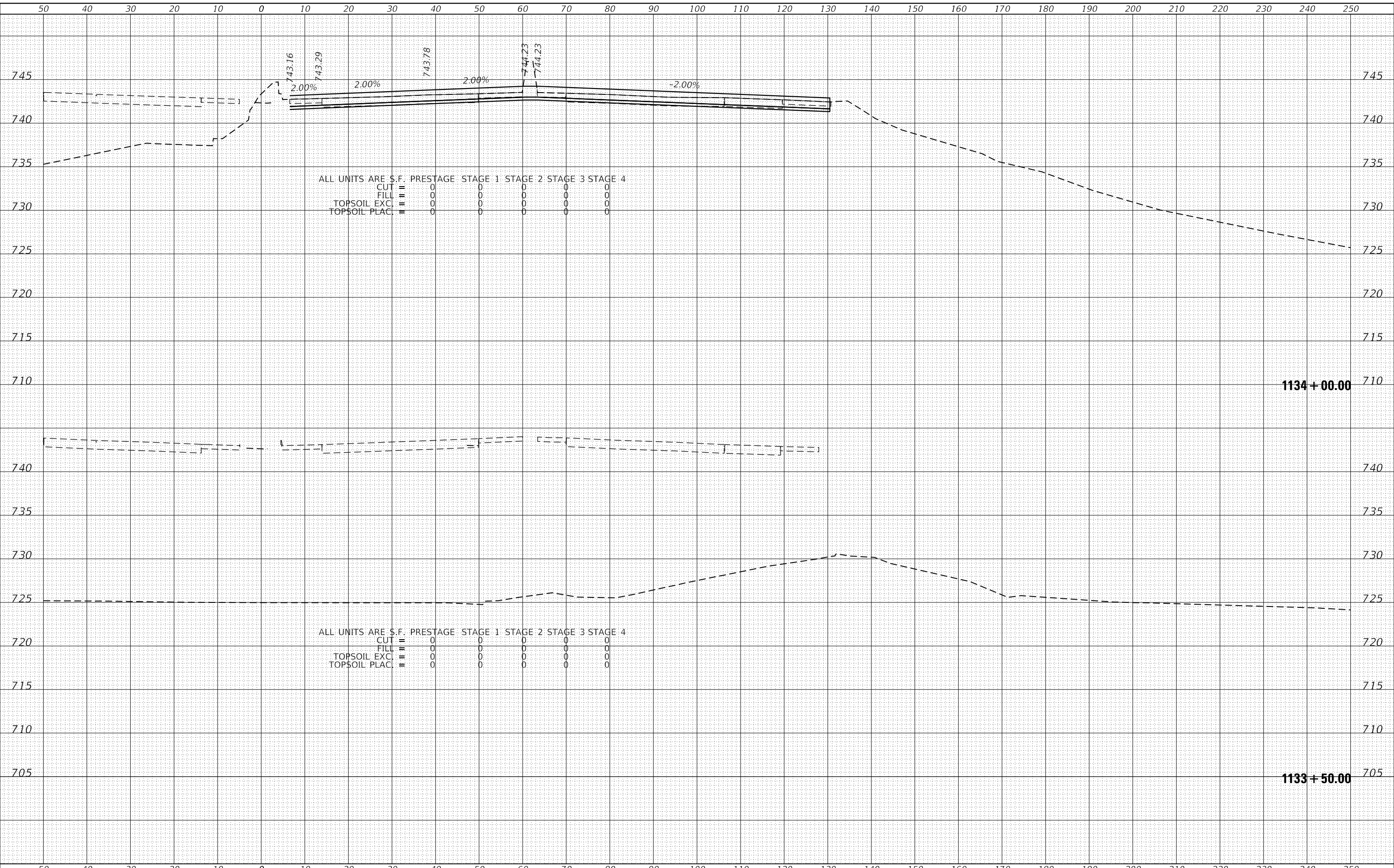
NB IL ROUTE 53 AT IL ROUTE 62 (ALGONQUIN ROAD)
 CROSS SECTIONS
 SCALE: 10-H 5-V SHEET 18 OF 286 SHEETS STA. 1132+50.00 TO STA. 1133+00.00

| | | | | |
|-------------|-------------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1051 |
| | | | CONTRACT NO. 62N91 | |
| | | | ILLINOIS FED. AID PROJECT | |

| | |
|-----------|---------------|
| DATE | BY |
| SURVEYED | PLOTTED |
| NOTE BOOK | TEMPLATE |
| NO. | AREAS CHECKED |

| | |
|-----------|---------------|
| DATE | BY |
| SURVEYED | PLOTTED |
| NOTE BOOK | TEMPLATE |
| NO. | AREAS CHECKED |

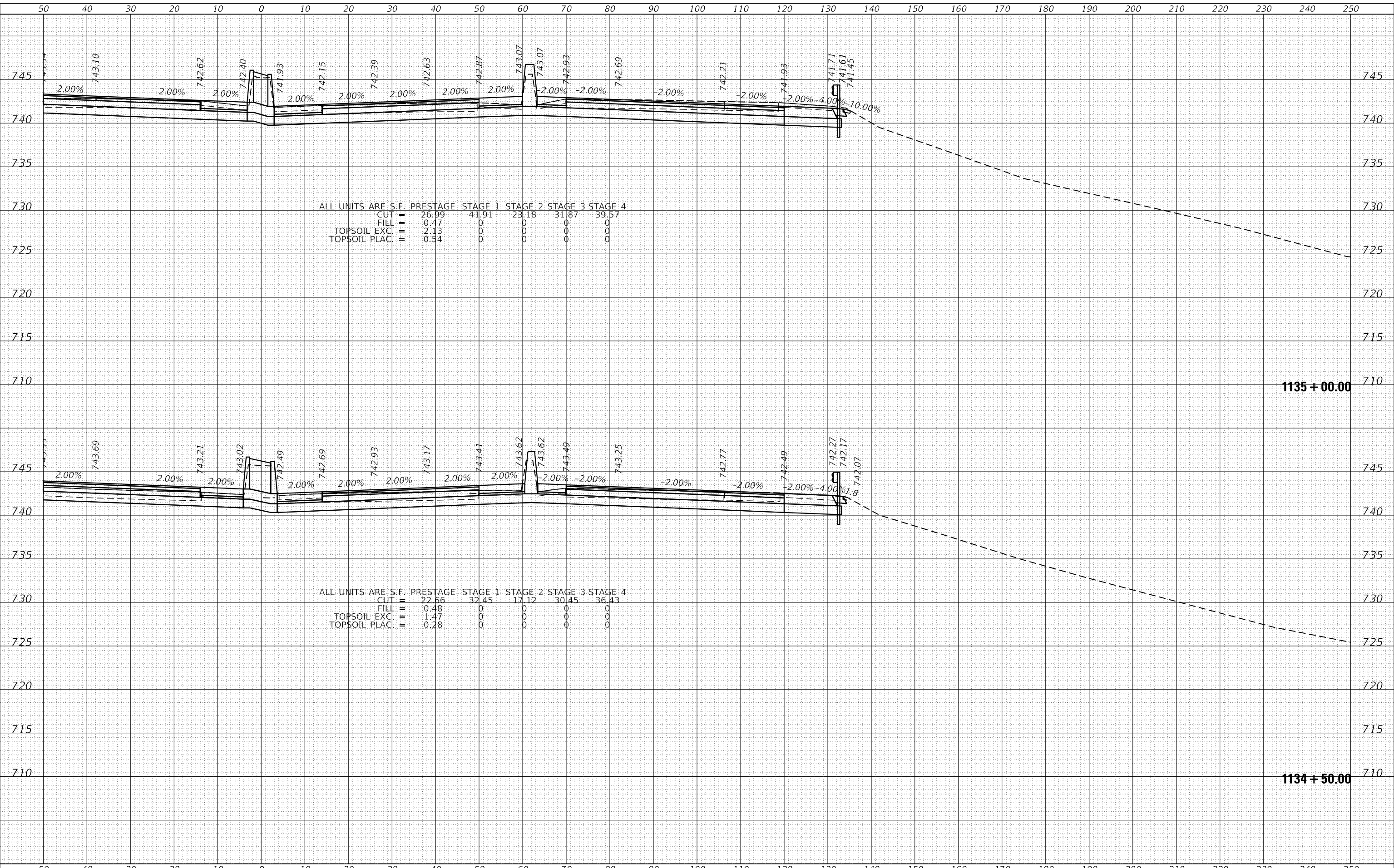
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| | |
|--------------|---------------|
| DATE | |
| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS CHECKED |

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

MODEL: Defaulr
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 C:\Program Files\Autodesk\AutoCAD 2018\bin\acad.exe -i:\cadd\6346_113D\6346_113D.dwg



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|----------|
| USER NAME = StevenB | DESIGNED - | REVISD - |
| | DRAWN - | REVISD - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISD - |
| PLOT DATE = 12/13/2024 | DATE - | REVISD - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

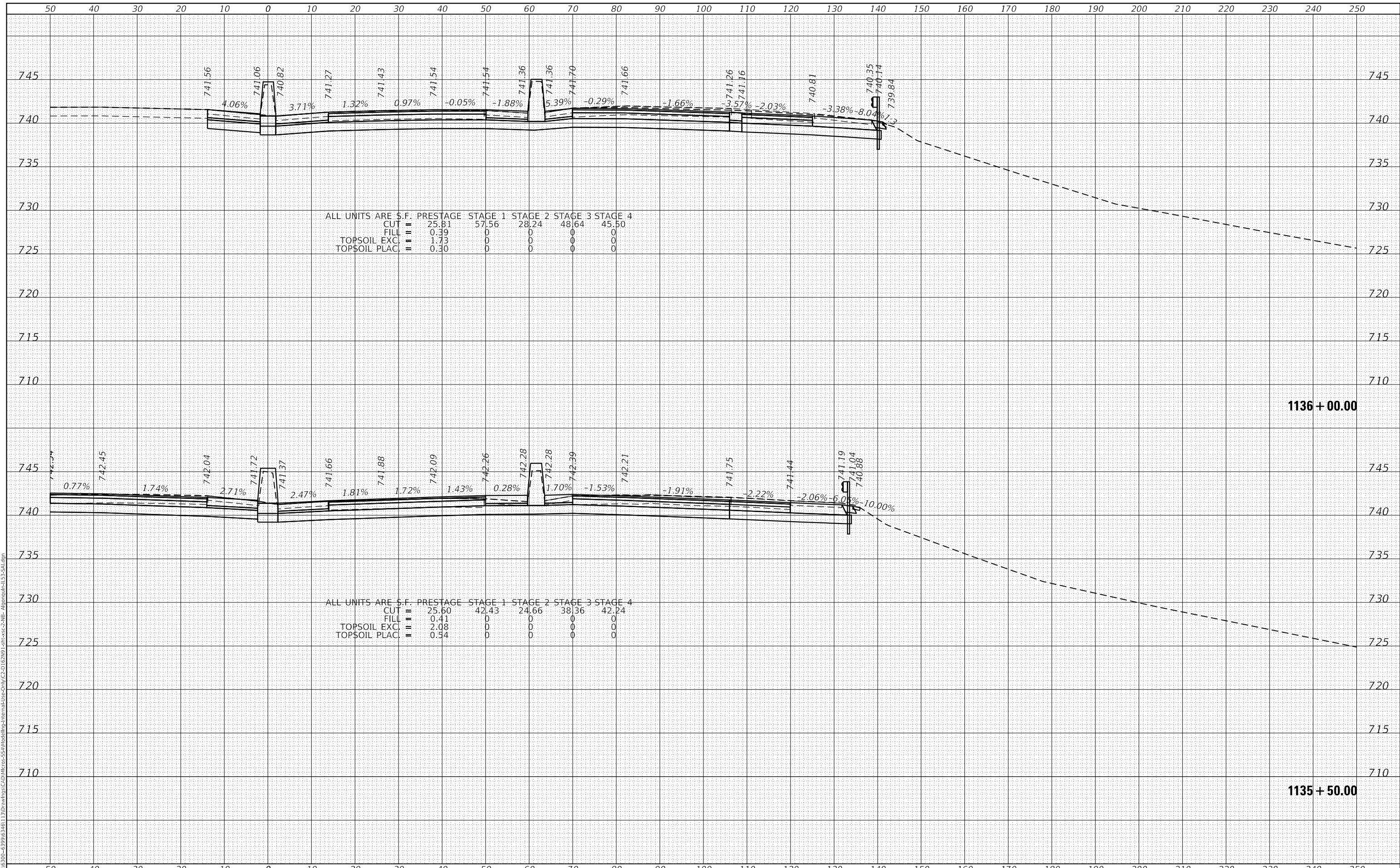
NB IL ROUTE 53 AT IL ROUTE 62 (ALGONQUIN ROAD)
 CROSS SECTIONS
 SCALE: 10-H 5-V SHEET 20 OF 286 SHEETS STA. 1134+50.00 TO STA. 1135+00.00

| | | | | |
|-----------------|---------------------|-------------|---------------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1053 |
| | | | CONTRACT NO. 62N91 | |
| | | | ILLINOIS FED. AID PROJECT | |

| | | | | | | |
|------|----|--------------|----------|---------|----------|---------------|
| DATE | BY | FINAL SURVEY | SURVEYED | PLOTTED | TEMPLATE | AREAS CHECKED |
| | | NO. _____ | | | | |

| | | | | | | |
|------|----|-----------------|----------|---------|----------|---------------|
| DATE | BY | ORIGINAL SURVEY | SURVEYED | PLOTTED | TEMPLATE | AREAS CHECKED |
| | | NO. _____ | | | | |

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113D\dwg\6346_113D\dwg\6346_113D\6346-2-NB-ALGONQUIN-I55-Solution.dwg



ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | 25.81 | 57.56 | 28.24 | 48.64 | 45.50 |
| FILL | 0.39 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | 1.33 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | 0.30 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | 25.60 | 42.43 | 24.66 | 38.36 | 42.24 |
| FILL | 0.41 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | 2.08 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | 0.54 | 0 | 0 | 0 | 0 |

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|------------|----------|
| USER NAME = StevenB | DESIGNED - | REVISD - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISD - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISD - |
| | DATE - | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

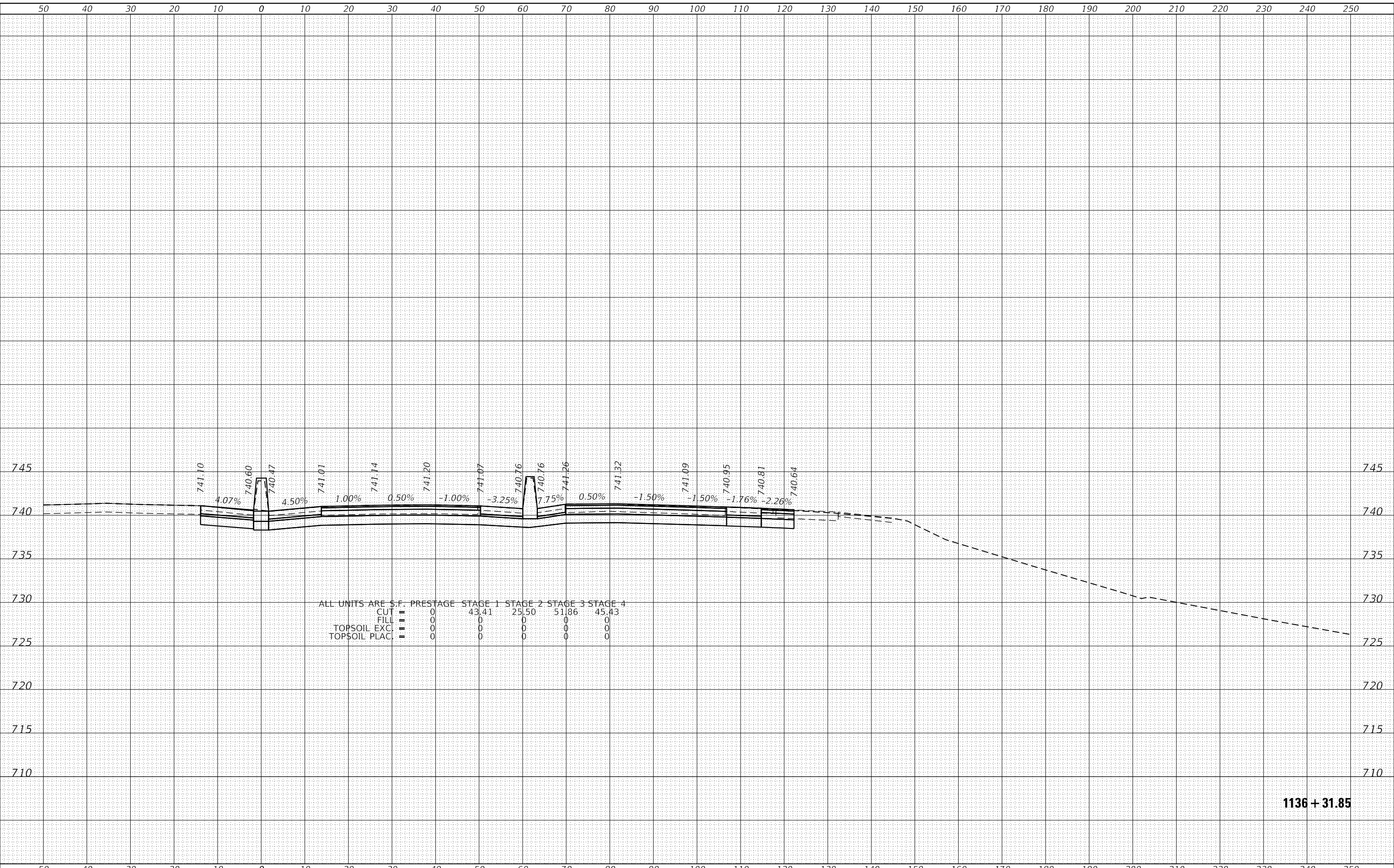
**NB IL ROUTE 53 AT IL ROUTE 62 (ALGONQUIN ROAD)
 CROSS SECTIONS**
 SCALE: 10-H 5-V SHEET 21 OF 286 SHEETS STA. 1135+50.00 TO STA. 1136+00.00

| | | | | |
|-----------------|---------------------|-------------|--------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1054 |
| | | | CONTRACT NO. 62N91 | |
| ILLINOIS | | | FED. AID PROJECT | |

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

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|---------------------|---------------|------|
| ORIGINAL SURVEY NO. | SURVEYED | DATE |
| | PLOTTED | |
| | TEMPLATE | |
| | AREAS CHECKED | |

MODEL: Defn.rvt
FILE NAME: S:\01\6300-6399\6346_1130\Drawings\C2D\162\NB_IL_Rte_53-2-NB_Algonquin_IL-53-Station.dgn



1136 + 31.85

1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53 AT IL ROUTE 62 (ALGONQUIN ROAD)
CROSS SECTIONS**

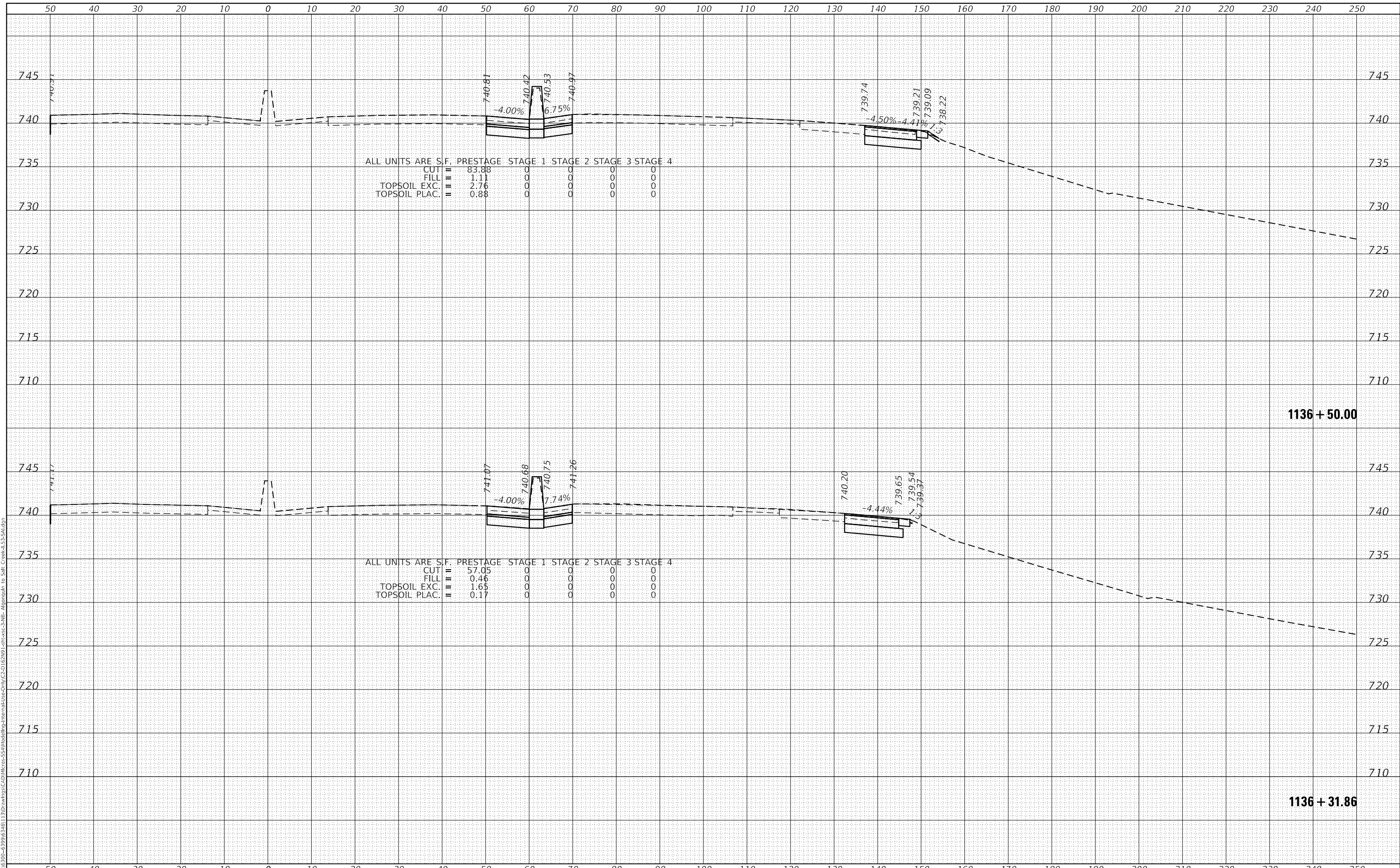
SCALE: 10-H 5-V SHEET 22 OF 286 SHEETS STA. 1136+31.85 TO STA. 1136+31.85

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1055 |
| | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113D\dwg\6346_113D.dwg
 C:\ProgramData\Autodesk\LT2024\Toolsets\AutodeskLT2024\Profiles\AutodeskLT2024.ctb
 Plot to: Salt Creek-IL53-54.dwg



ALL UNITS ARE S.F. PRESTAGE STAGE 1 STAGE 2 STAGE 3 STAGE 4

| | | | | | | |
|---------------|---|-------|---|---|---|---|
| CUT | = | 83.88 | 0 | 0 | 0 | 0 |
| FILL | = | 1.11 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 2.76 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0.88 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F. PRESTAGE STAGE 1 STAGE 2 STAGE 3 STAGE 4

| | | | | | | |
|---------------|---|-------|---|---|---|---|
| CUT | = | 57.05 | 0 | 0 | 0 | 0 |
| FILL | = | 0.46 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 1.65 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0.17 | 0 | 0 | 0 | 0 |

1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

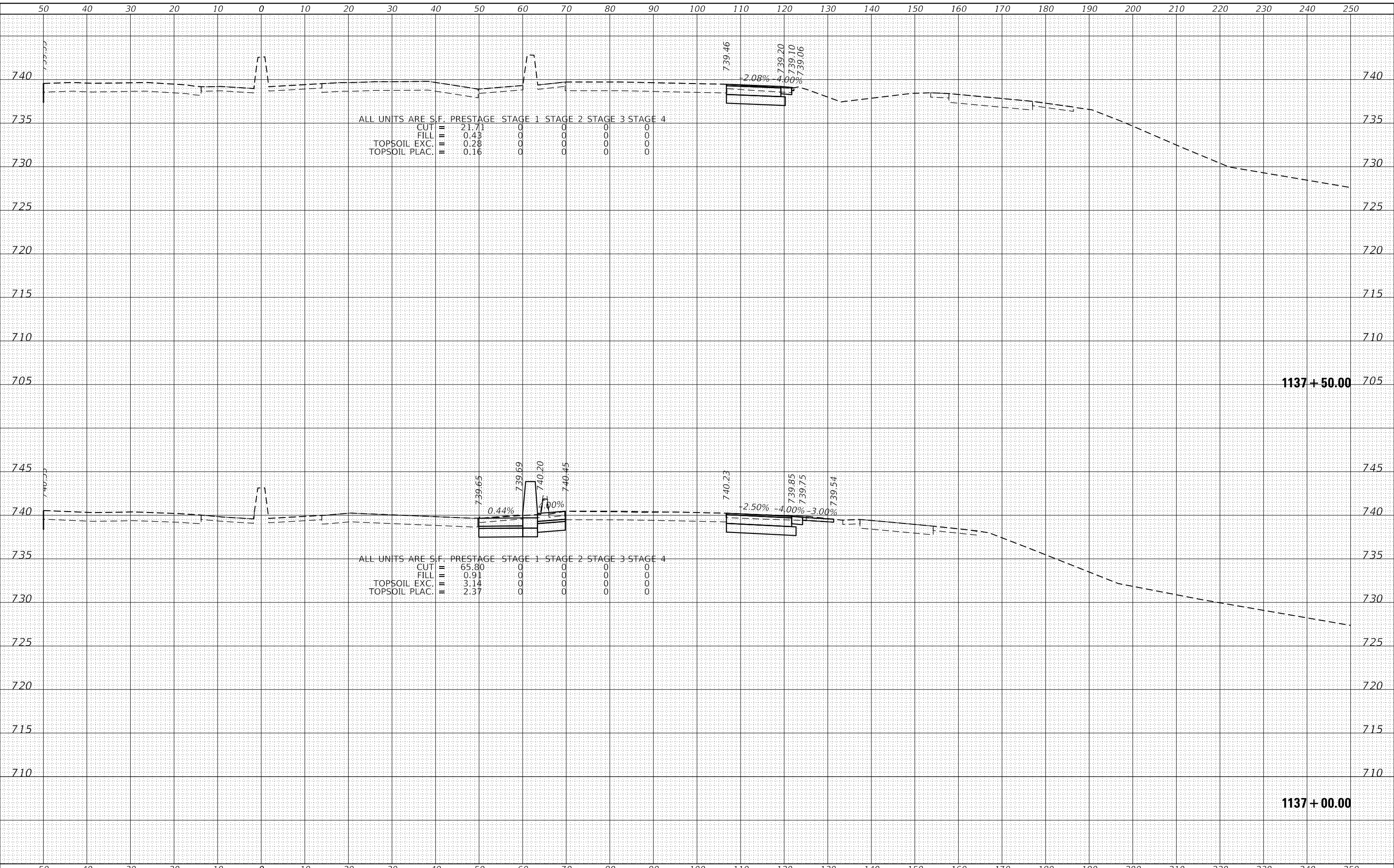
SCALE: 10-H 5-V SHEET 23 OF 286 SHEETS STA. 1136+31.86 TO STA. 1136+50.00

| | | | | |
|---------------------------|---------------------|-------------|--------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1056 |
| | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_1131D\dwg\c2-D\162N91_2018-100-3-NB-Alignm to Salt Creek.dwg
 C:\Program Files\Autodesk\AutoCAD 2018\bin\p1\acadiso.p1



ALL UNITS ARE S.F. PRESTAGE STAGE 1 STAGE 2 STAGE 3 STAGE 4

| | | | | | | |
|---------------|---|-------|---|---|---|---|
| CUT | = | 21.71 | 0 | 0 | 0 | 0 |
| FILL | = | 0.43 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 0.28 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0.16 | 0 | 0 | 0 | 0 |

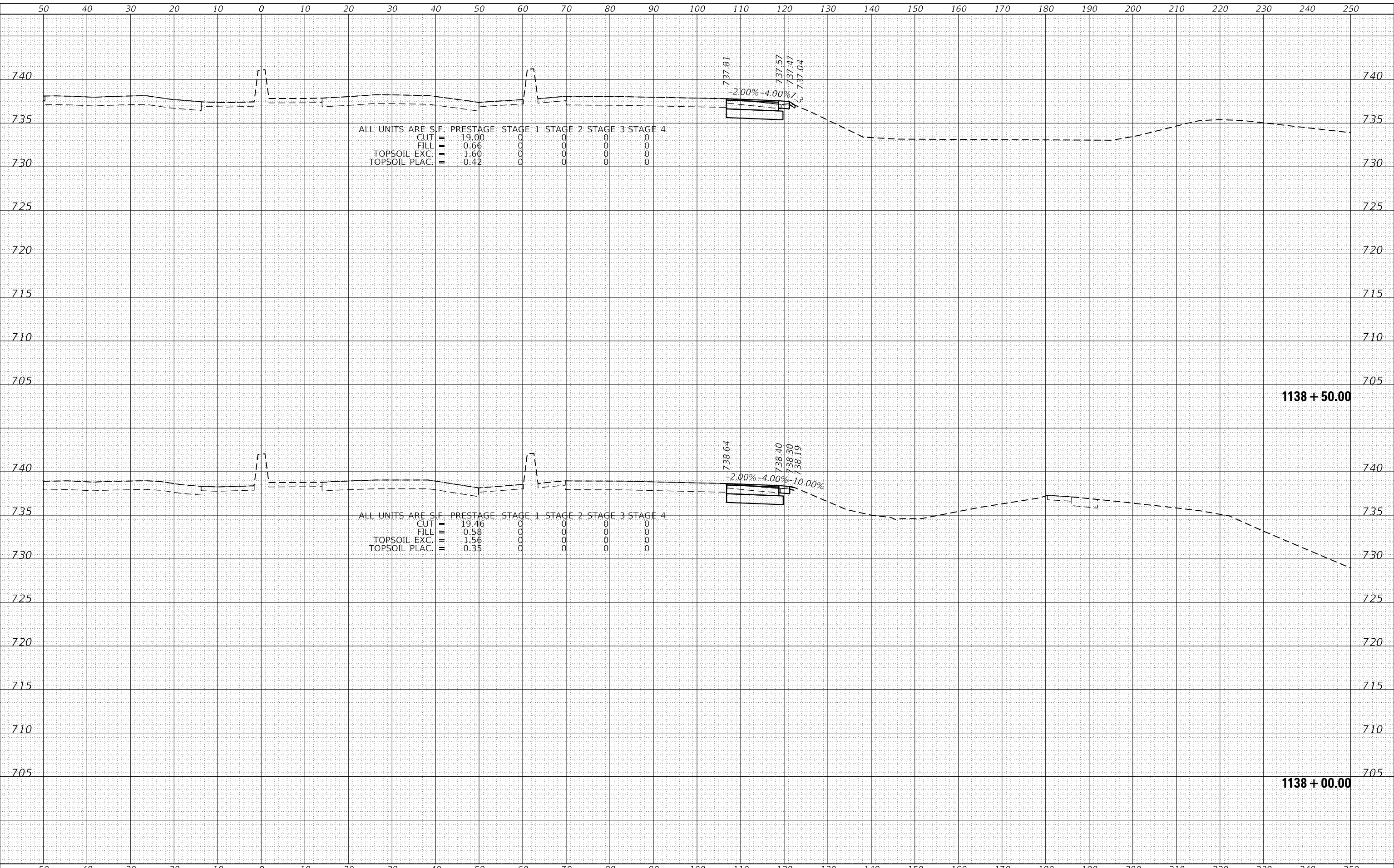
ALL UNITS ARE S.F. PRESTAGE STAGE 1 STAGE 2 STAGE 3 STAGE 4

| | | | | | | |
|---------------|---|-------|---|---|---|---|
| CUT | = | 65.80 | 0 | 0 | 0 | 0 |
| FILL | = | 0.91 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 3.14 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 2.37 | 0 | 0 | 0 | 0 |

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

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

MODEL: Defmfr
 FILE NAME: S:\01\6300-6399\6346_113D\dwg\c2-D\162\N1_161\cxc3-NB-Alignm to Salt Creek-I-55-S4.dwg



ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | = 19.00 | 0 | 0 | 0 | 0 |
| FILL | = 0.66 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = 1.60 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = 0.42 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | = 19.46 | 0 | 0 | 0 | 0 |
| FILL | = 0.58 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = 1.56 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = 0.35 | 0 | 0 | 0 | 0 |

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

USER NAME = StevenB
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 12/13/2024

| | |
|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN - | REVISD - |
| CHECKED - | REVISD - |
| DATE - | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

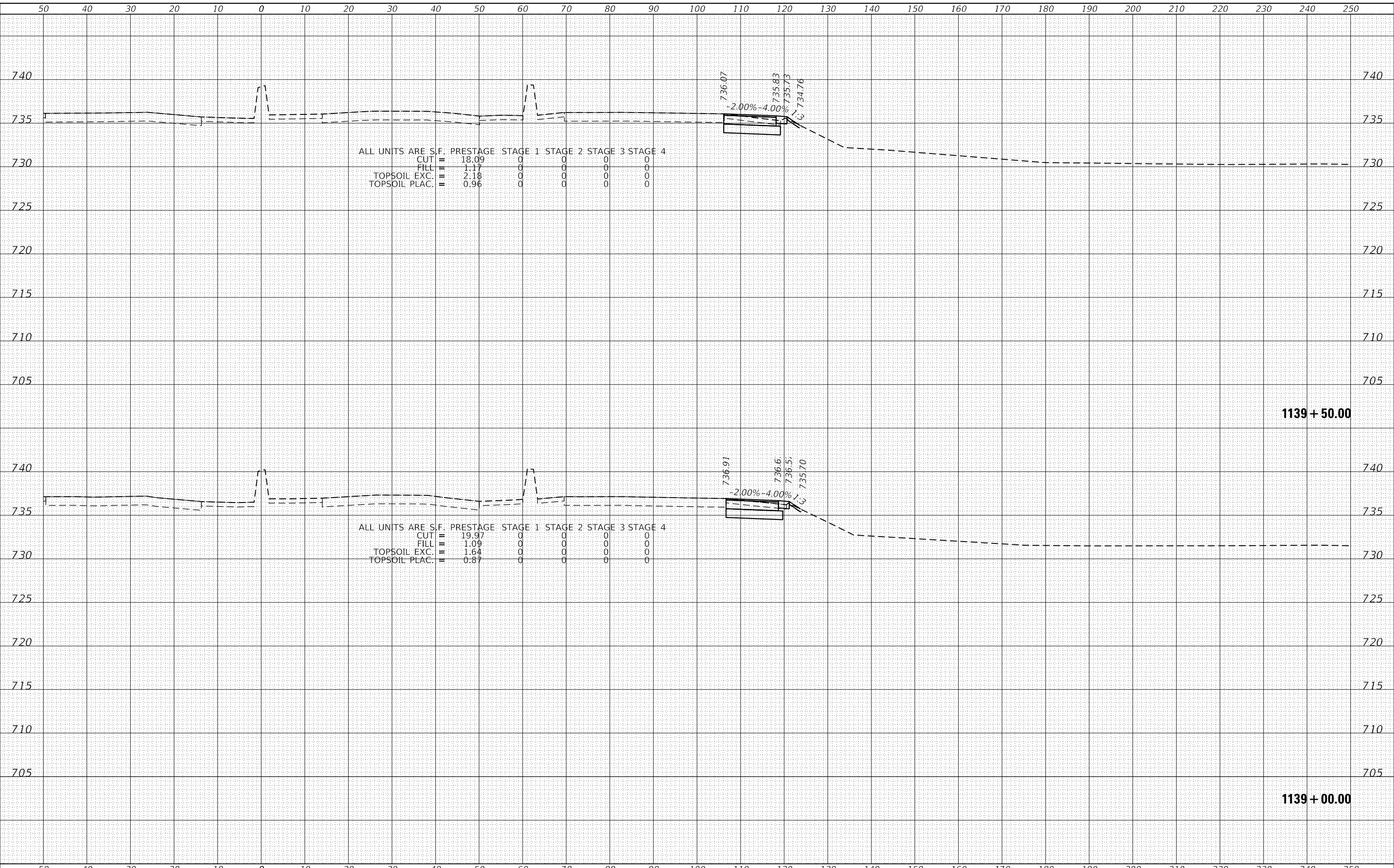
SCALE: 10-H 5-V SHEET 25 OF 286 SHEETS STA. 1138+00.00 TO STA. 1138+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1058 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_1131D.rvt
 C:\ProgramData\Autodesk\LT2019\Toolsets\AutodeskLT2019\Profiles\Default\Profiles\Default.ctb
 Plot to: Salt Creek-IL53-5A.dwg



ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | = 18.09 | 0 | 0 | 0 | 0 |
| FILL | = 1.17 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = 2.18 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = 0.96 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | = 19.97 | 0 | 0 | 0 | 0 |
| FILL | = 1.09 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = 1.64 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = 0.87 | 0 | 0 | 0 | 0 |

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 ASSOCIATES*

USER NAME = StevenB
 DESIGNED -
 DRAWN -
 PLOT SCALE = 20.0000' / in.
 CHECKED -
 REVISIED -
 PLOT DATE = 12/13/2024
 DATE -

DESIGNED -
 DRAWN -
 CHECKED -
 REVISIED -
 DATE -

REVISIED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

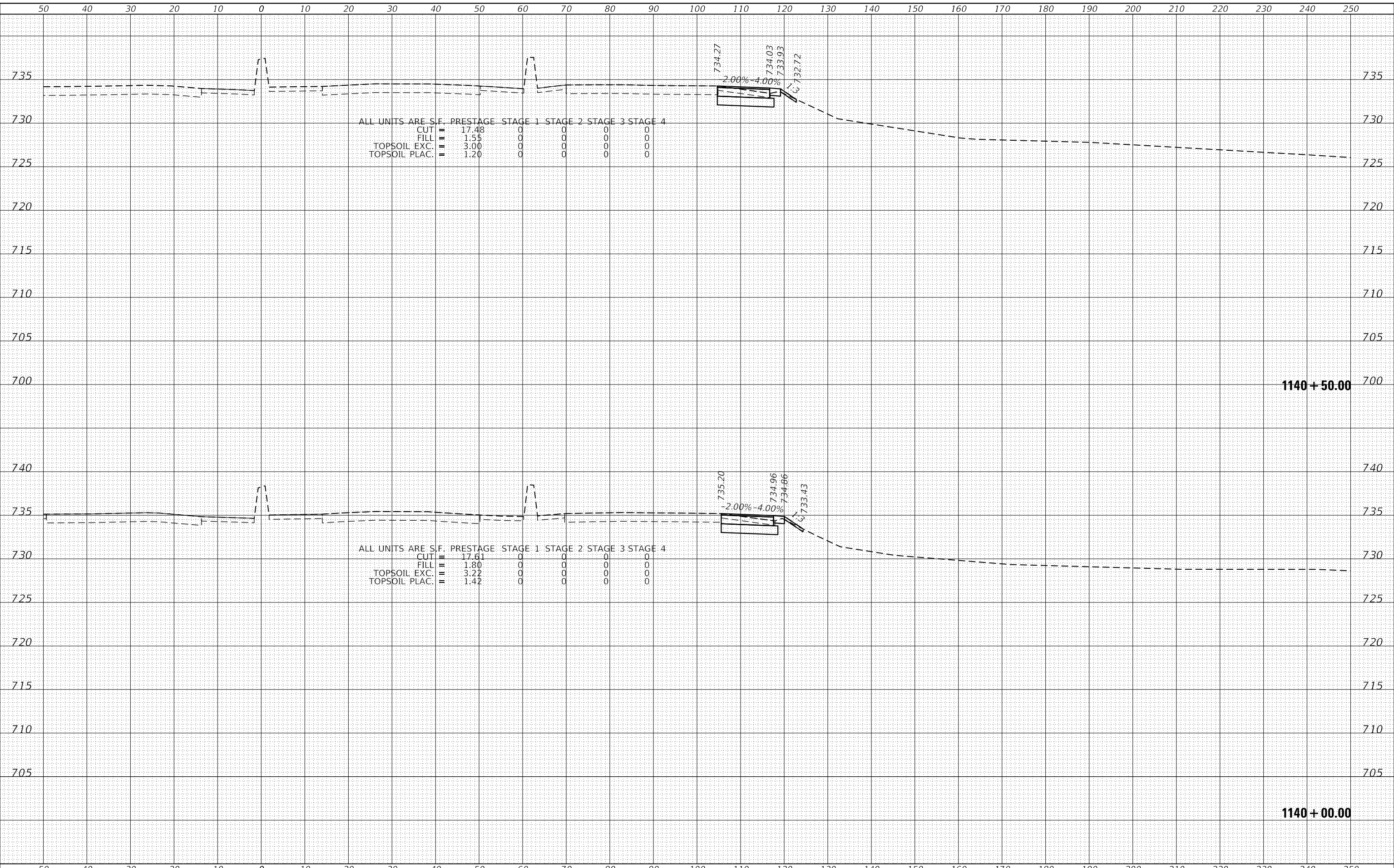
SCALE: 10-H 5-V SHEET 26 OF 286 SHEETS STA. 1139+00.00 TO STA. 1139+50.00

| | | | | |
|-------------|-------------|---------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1059 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS FED. AID PROJECT | | |

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

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

MODEL: Default
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\C2-D\Drawings\Internal\Pre-Comp\C2-D 162\NFI_211101-3-NB-Alignment to Salt Creek-IL53-5A.dwg



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

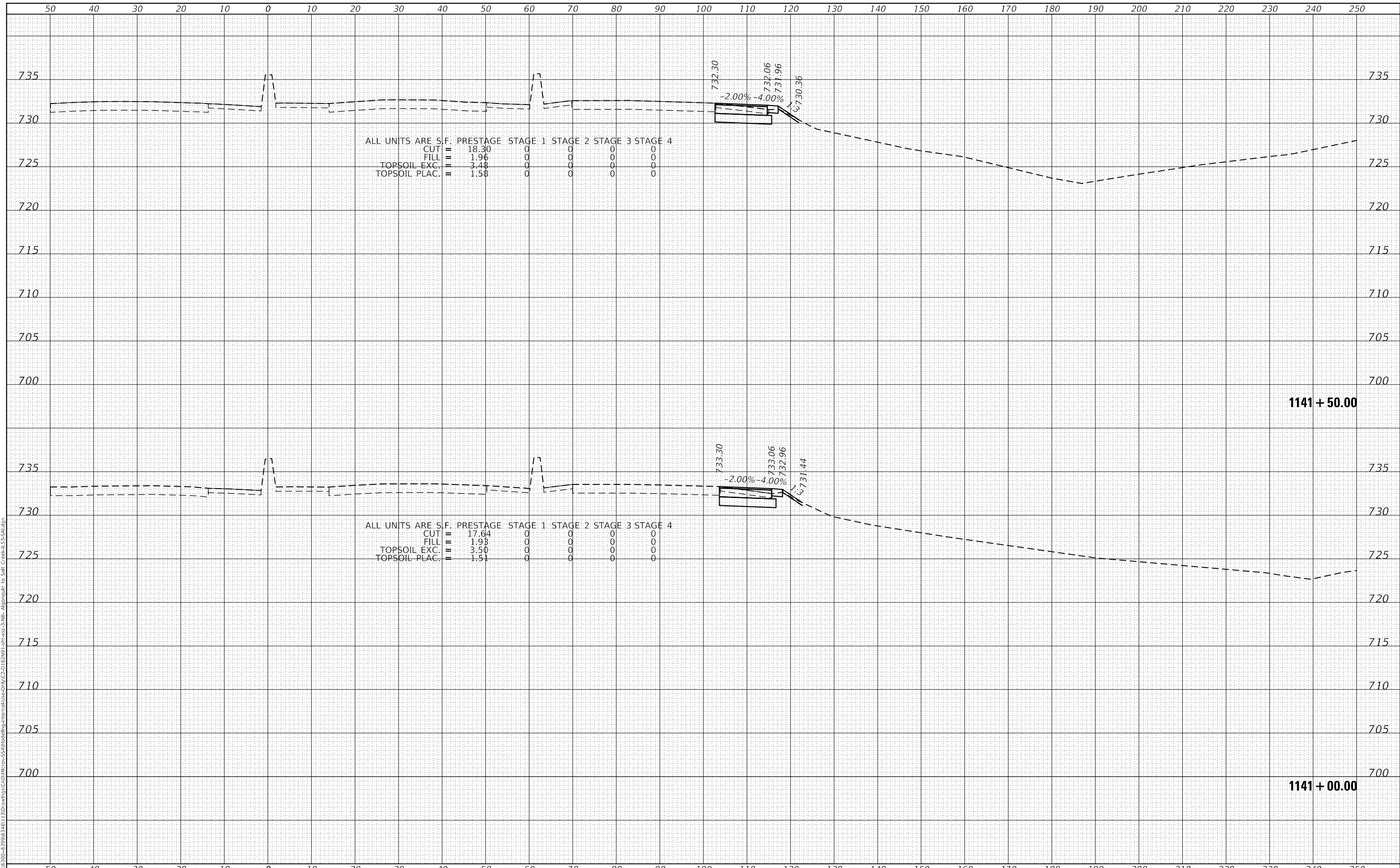
SCALE: 10-H 5-V SHEET 27 OF 286 SHEETS STA. 1140+00.00 TO STA. 1140+50.00

| | | | | |
|---------------------------|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1060 |
| | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\C2-D\Drawings\Internal\Pre-Div\C2-D\162\N91_1st-sec-3-NB-Alignment to Salt Creek-IL-53-54.dwg



SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

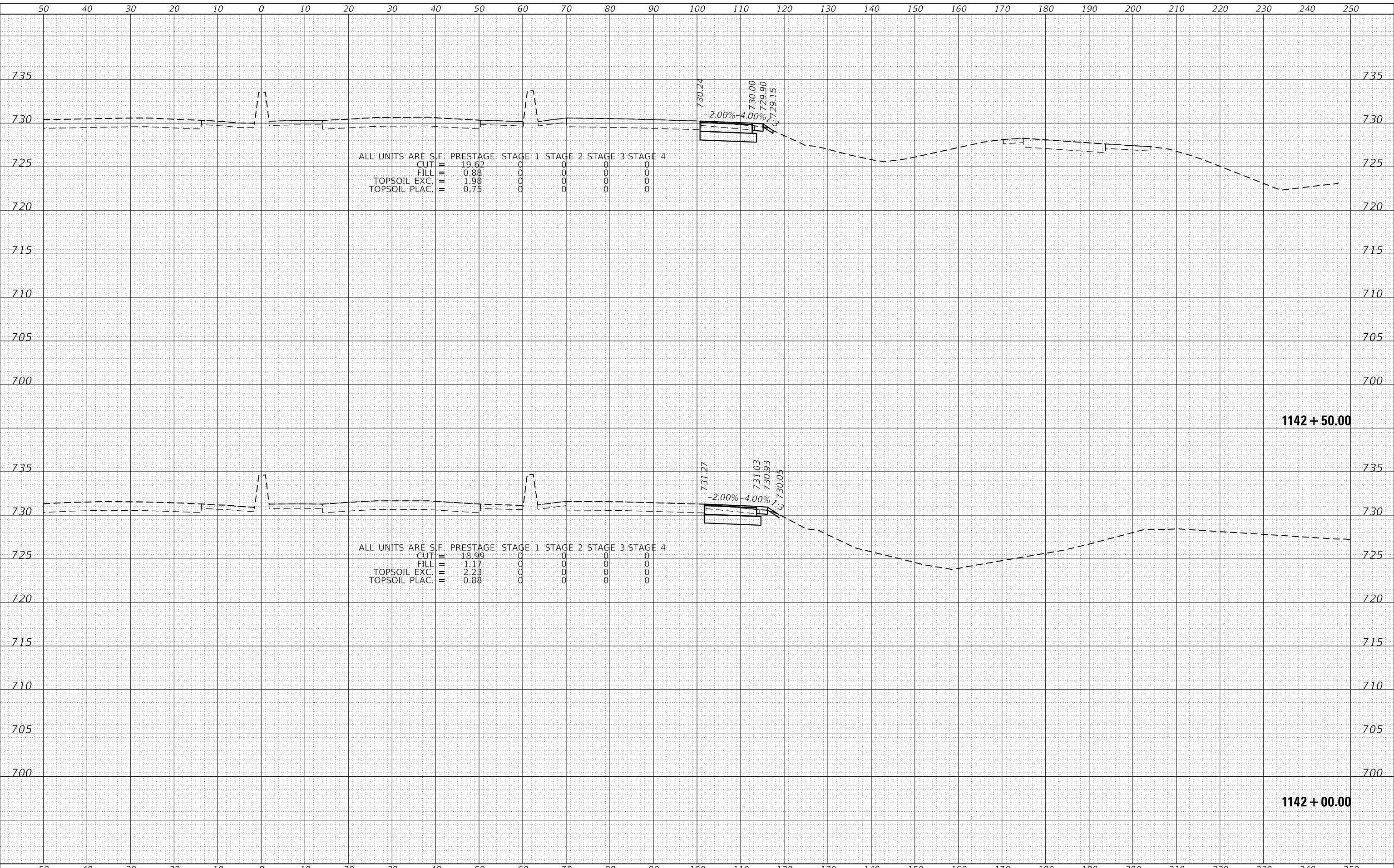
SCALE: 10-H 5-V SHEET 28 OF 286 SHEETS STA. 1141+00.00 TO STA. 1141+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1061 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defn.dwg
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\C2-D\Drawings\Internal\Pre-Chk\C2-D 162\N1_1611\cst-3-NB-Alignm to Salt Creek-L153-5A.dwg



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

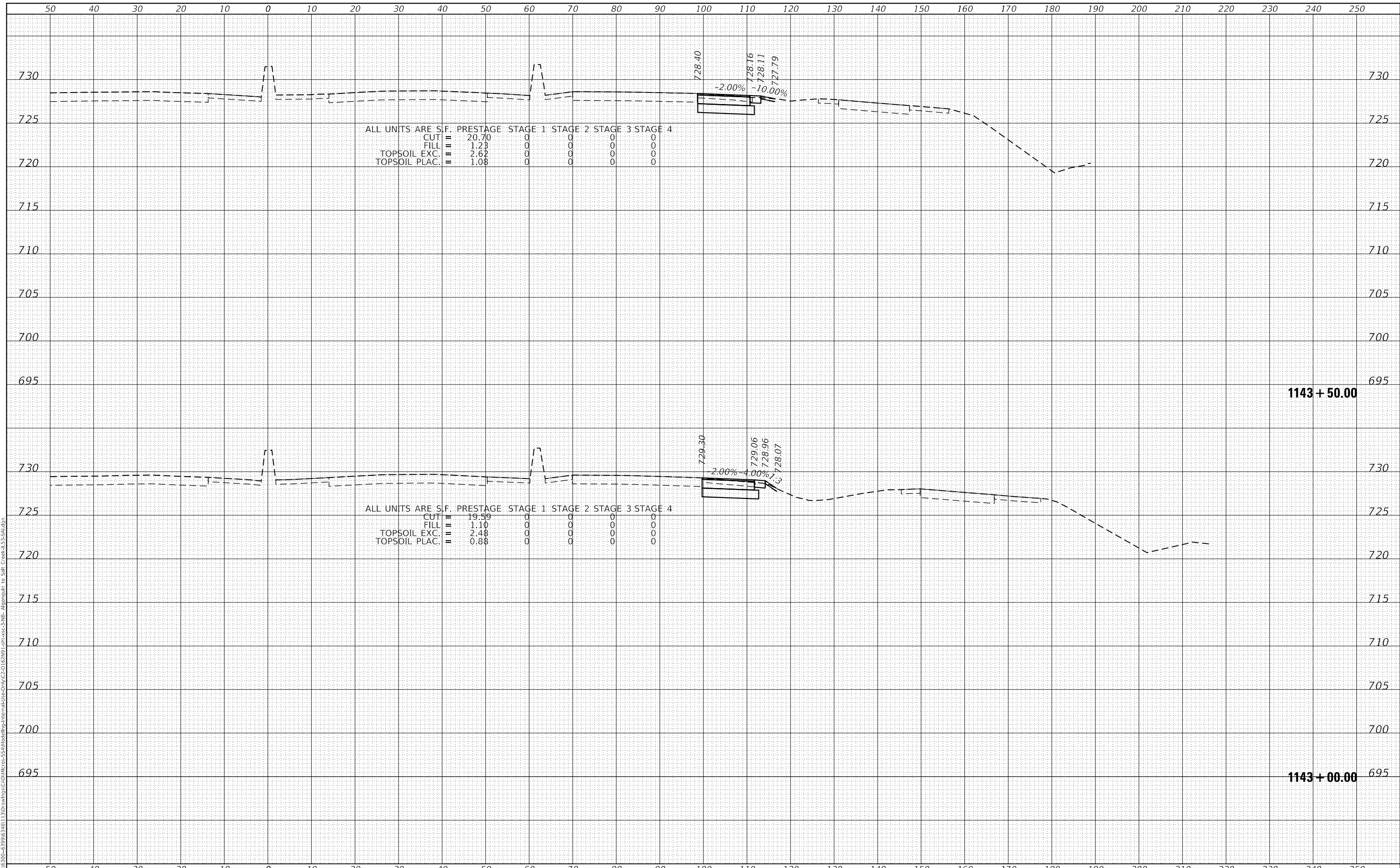
SCALE: 10-H 5-V SHEET 29 OF 286 SHEETS STA. 1142+00.00 TO STA. 1142+50.00

| | | | | |
|-------------|-------------|---------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1062 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS FED. AID PROJECT | | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\C2-D\Drawings\Internal\Pre-Chk\C2-D162\N91_1st-1st-3-NB-Altoquin to Salt Creek-I-55-S4.dwg



ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | = 20.70 | 0 | 0 | 0 | 0 |
| FILL | = 1.23 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = 2.62 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = 1.08 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | = 19.59 | 0 | 0 | 0 | 0 |
| FILL | = 1.10 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = 2.48 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = 0.88 | 0 | 0 | 0 | 0 |

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
STRAND
 ASSOCIATES®
 (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

SCALE: 10-H 5-V SHEET 30 OF 286 SHEETS STA. 1143+00.00 TO STA. 1143+50.00

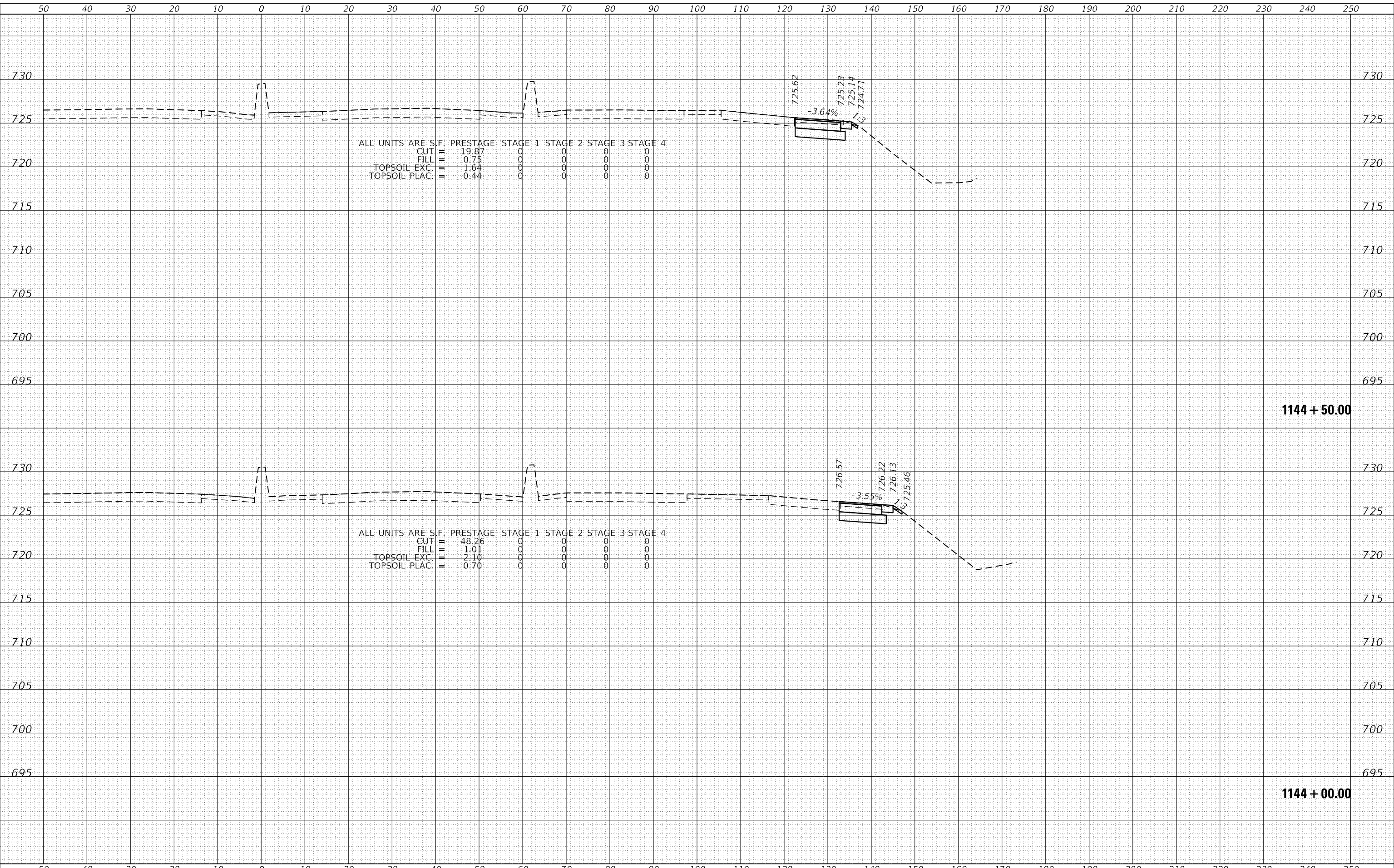
| | | | | |
|-----------------|---------------------|-------------|--------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1063 |
| | | | CONTRACT NO. 62N91 | |

ILLINOIS FED. AID PROJECT

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

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

MODEL: Defn.rvt
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\C2-D\MicroStation\Internal\Pre-Dwg\C2-D-162\N91_1st-sec-3-NB-A1.dwg to Salt Creek-IL-53-54.dwg



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

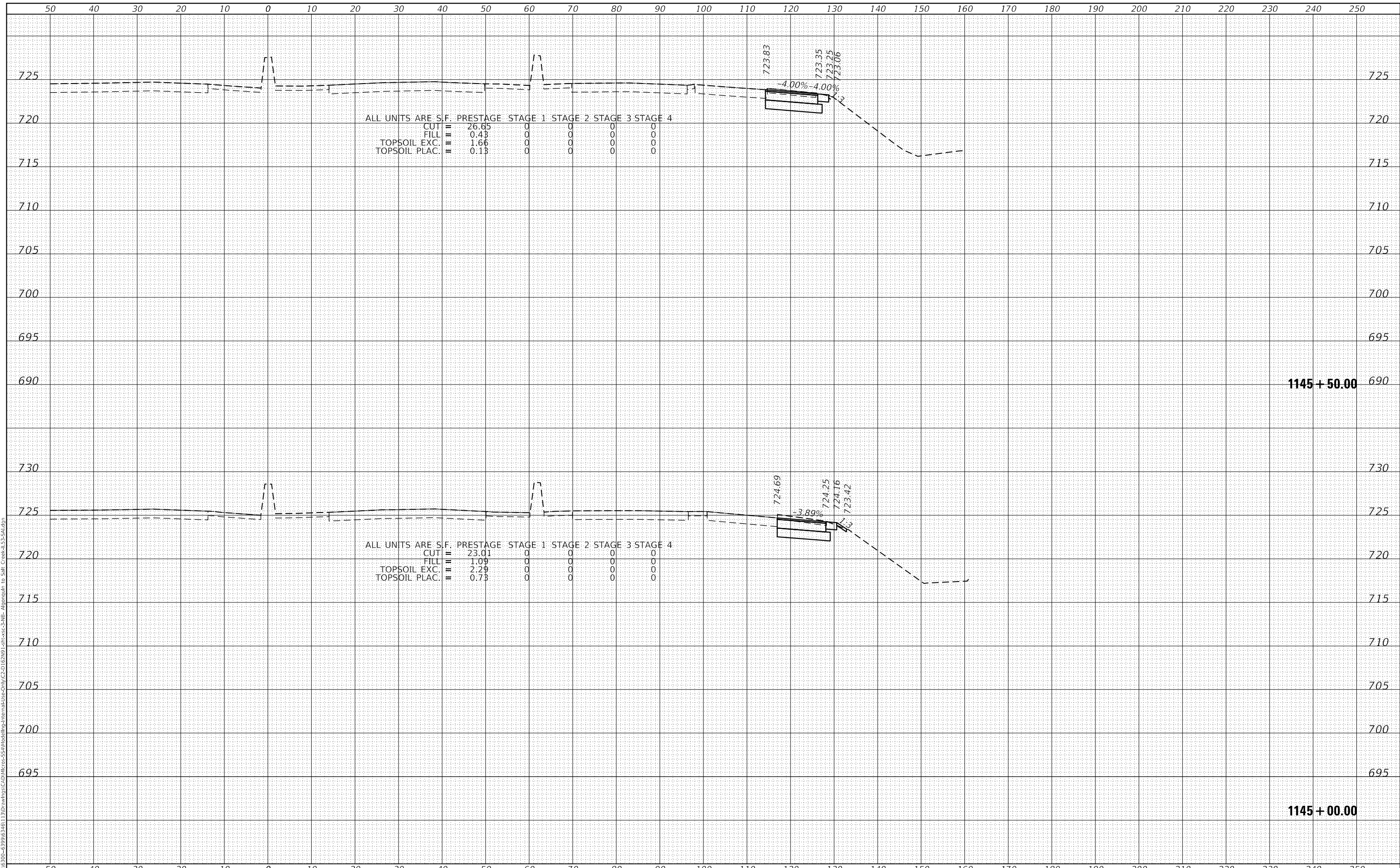
SCALE: 10-H 5-V SHEET 31 OF 286 SHEETS STA. 1144+00.00 TO STA. 1144+50.00

| | | | | |
|-----------------|---------------------|-------------|---------------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1064 |
| | | | CONTRACT NO. 62N91 | |
| | | | ILLINOIS FED. AID PROJECT | |

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

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

MODEL: Default
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\C2-Drawings\Internal\Pre-Div\C2-D-162\NFI_2111-113-3-3-2018.dwg
 Aligned to Salt Creek-L53-54.dwg



SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

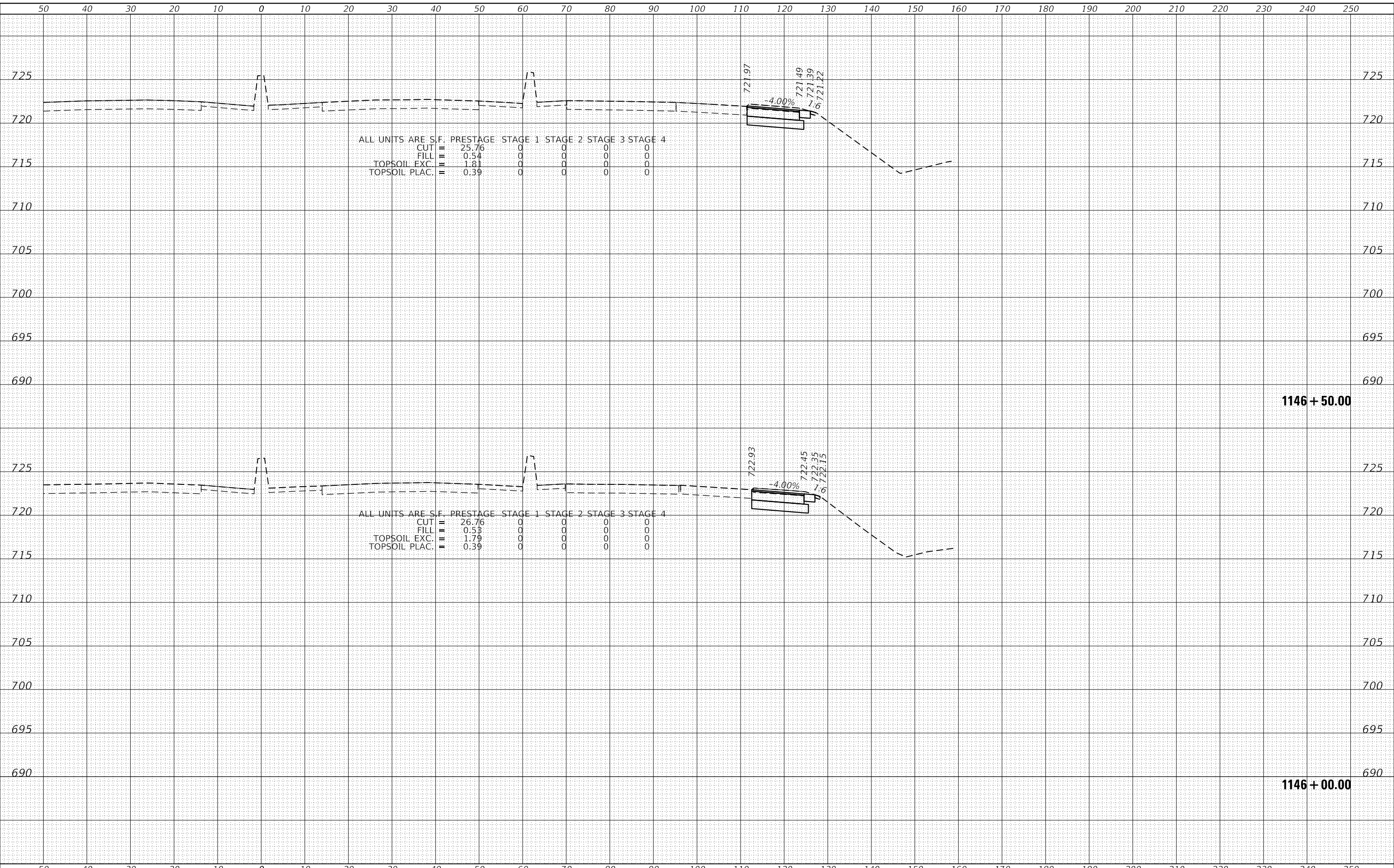
SCALE: 10-H 5-V SHEET 32 OF 286 SHEETS STA. 1145+00.00 TO STA. 1145+50.00

| | | | | |
|-----------------|---------------------|-------------|---------------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1065 |
| | | | CONTRACT NO. 62N91 | |
| | | | ILLINOIS FED. AID PROJECT | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\C2-D\Drawings\Internal\Pre-Div\C2-D\162\N91_161\cxc-3\NB-Align\to Salt Creek-IL53-54.dwg



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

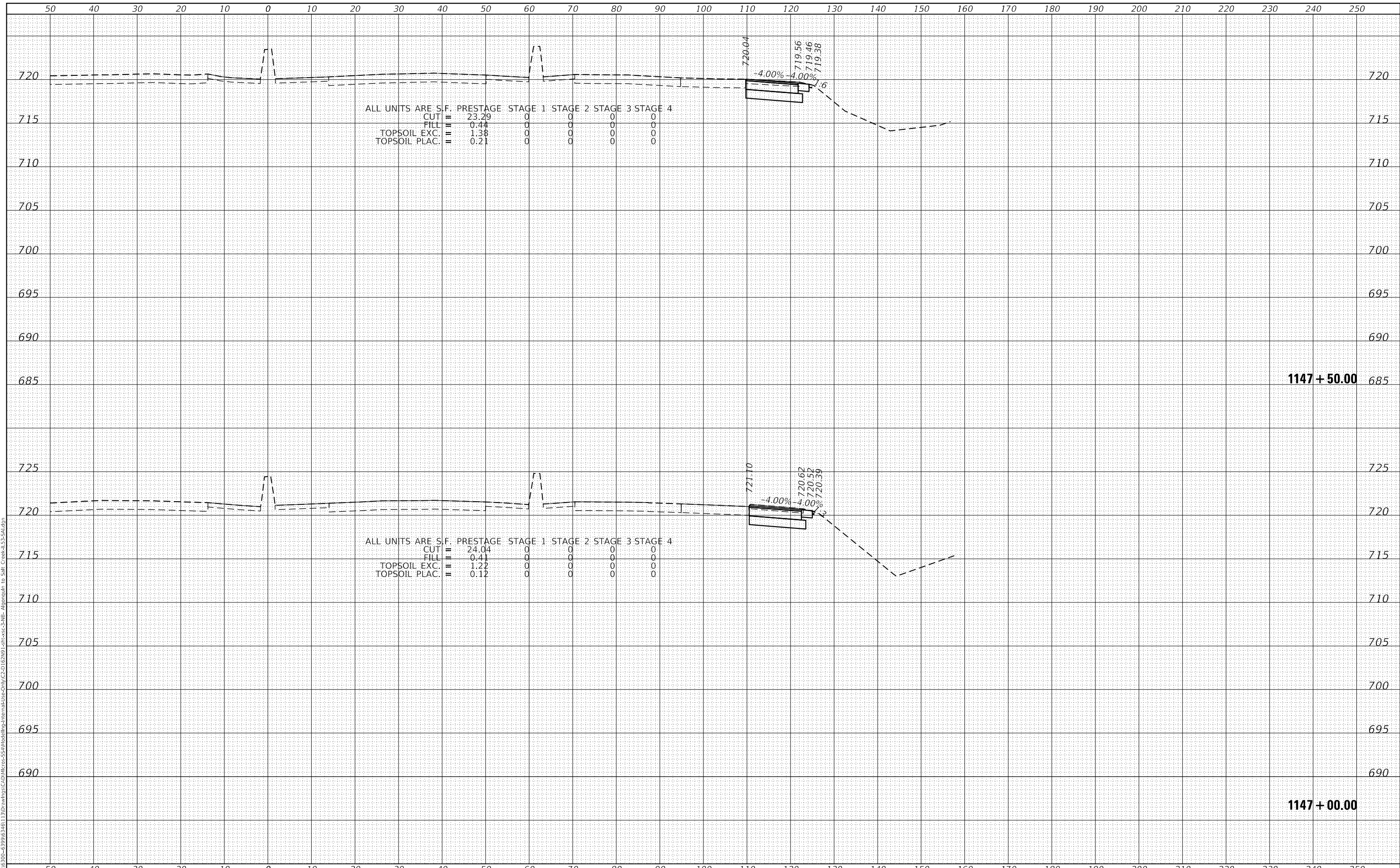
SCALE: 10-H 5-V SHEET 33 OF 286 SHEETS STA. 1146+00.00 TO STA. 1146+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1066 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

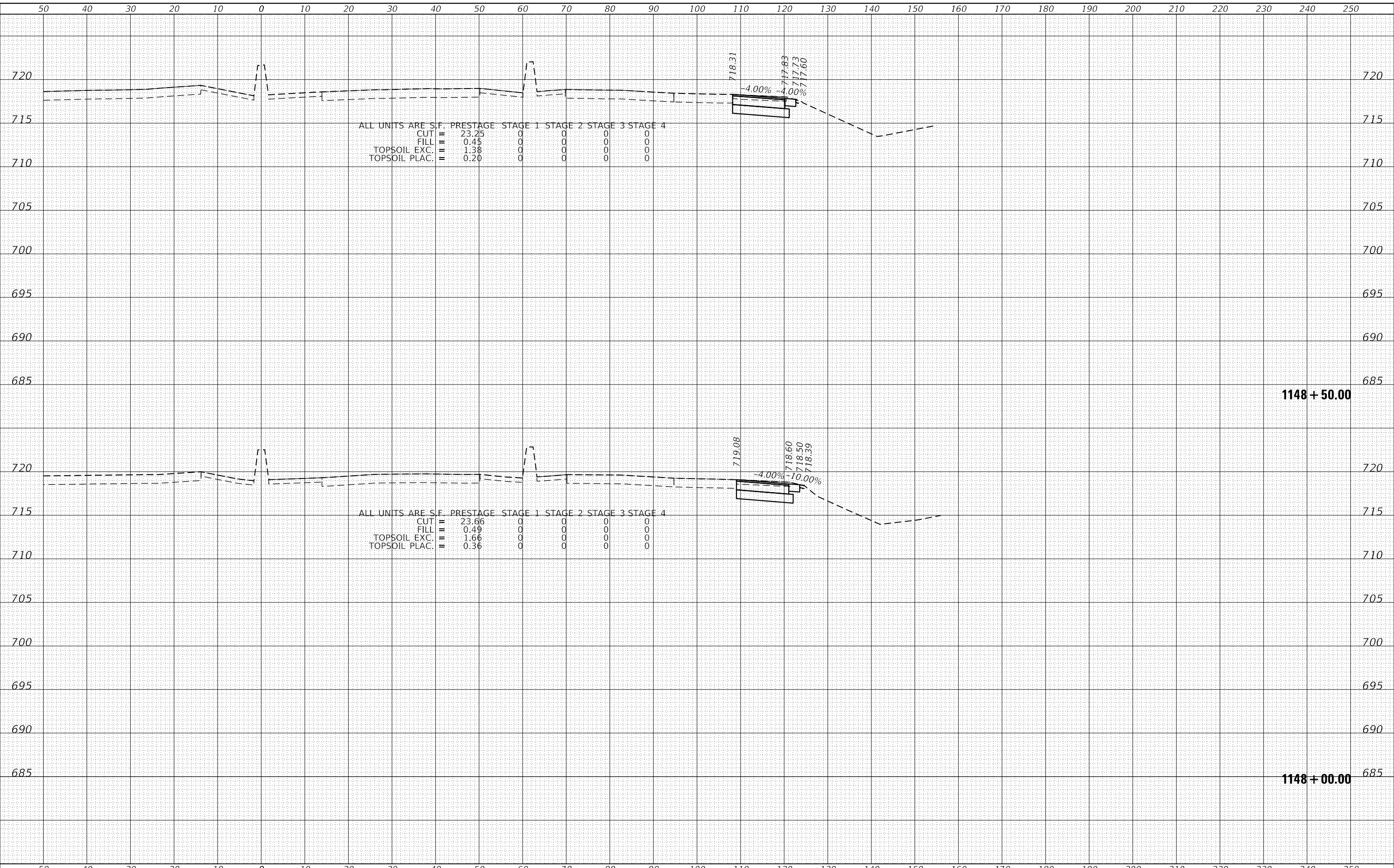
SCALE: 10-H 5-V SHEET 34 OF 286 SHEETS STA. 1147+00.00 TO STA. 1147+50.00

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|-------------|-------------|---------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1067 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS FED. AID PROJECT | | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\Internal\Pre-Draw\2-D\162\N91_1st-sec-3-NB-Alignment to Salt Creek-LS3-5A.dwg



ALL UNITS ARE S.F.

| | | | | | |
|---------------|-------|---|---|---|---|
| CUT | 23.25 | 0 | 0 | 0 | 0 |
| FILL | 0.45 | 0 | 0 | 0 | 0 |
| TOPSOIL_EXC. | 1.38 | 0 | 0 | 0 | 0 |
| TOPSOIL_PLAC. | 0.20 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F.

| | | | | | |
|---------------|-------|---|---|---|---|
| CUT | 23.66 | 0 | 0 | 0 | 0 |
| FILL | 0.49 | 0 | 0 | 0 | 0 |
| TOPSOIL_EXC. | 1.66 | 0 | 0 | 0 | 0 |
| TOPSOIL_PLAC. | 0.36 | 0 | 0 | 0 | 0 |

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
STRAND ASSOCIATES*
 (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

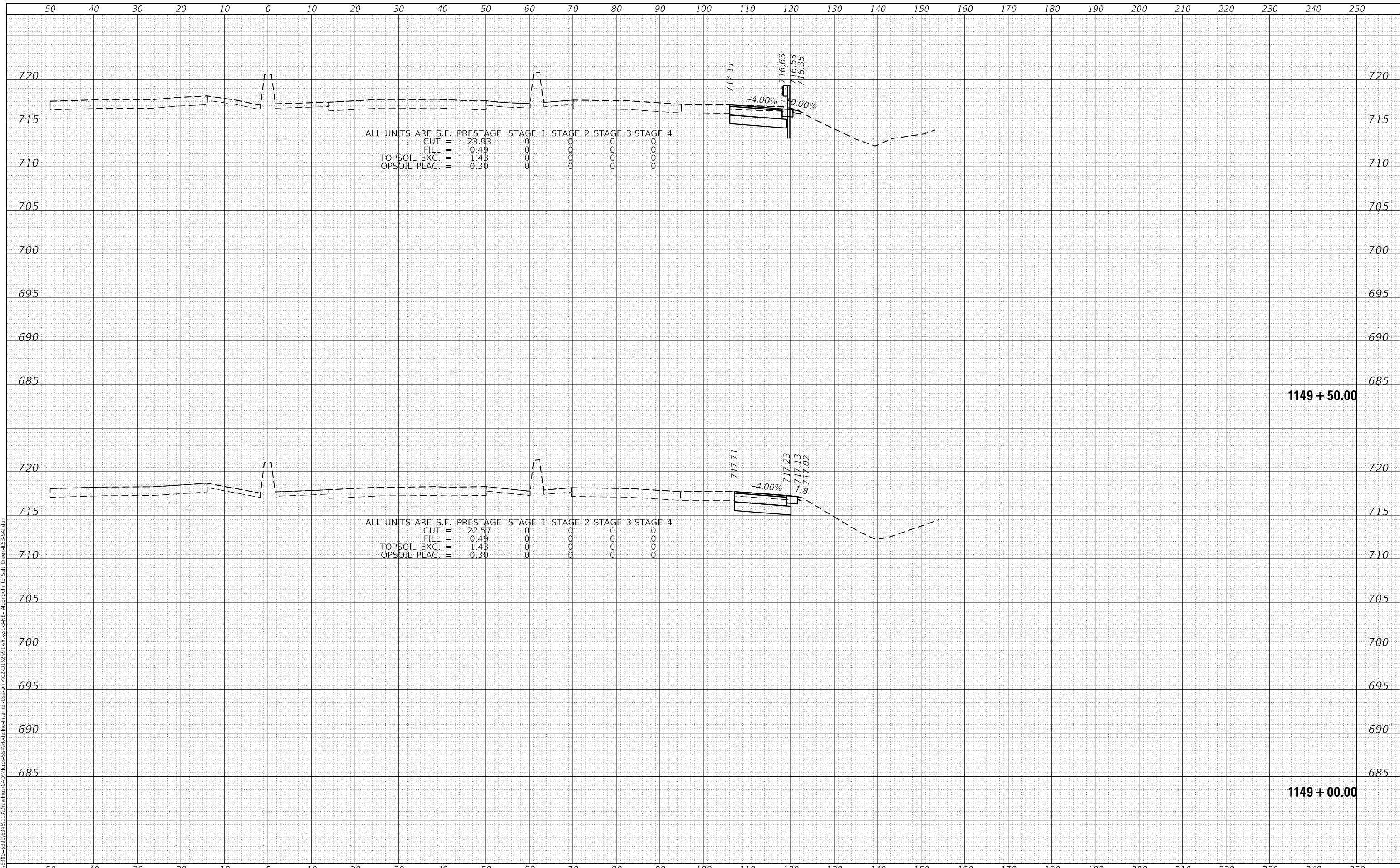
SCALE: 10-H 5-V SHEET 35 OF 286 SHEETS STA. 1148+00.00 TO STA. 1148+50.00

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1068 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS FED. AID PROJECT | | |

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

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

MODEL: Defaulr
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SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

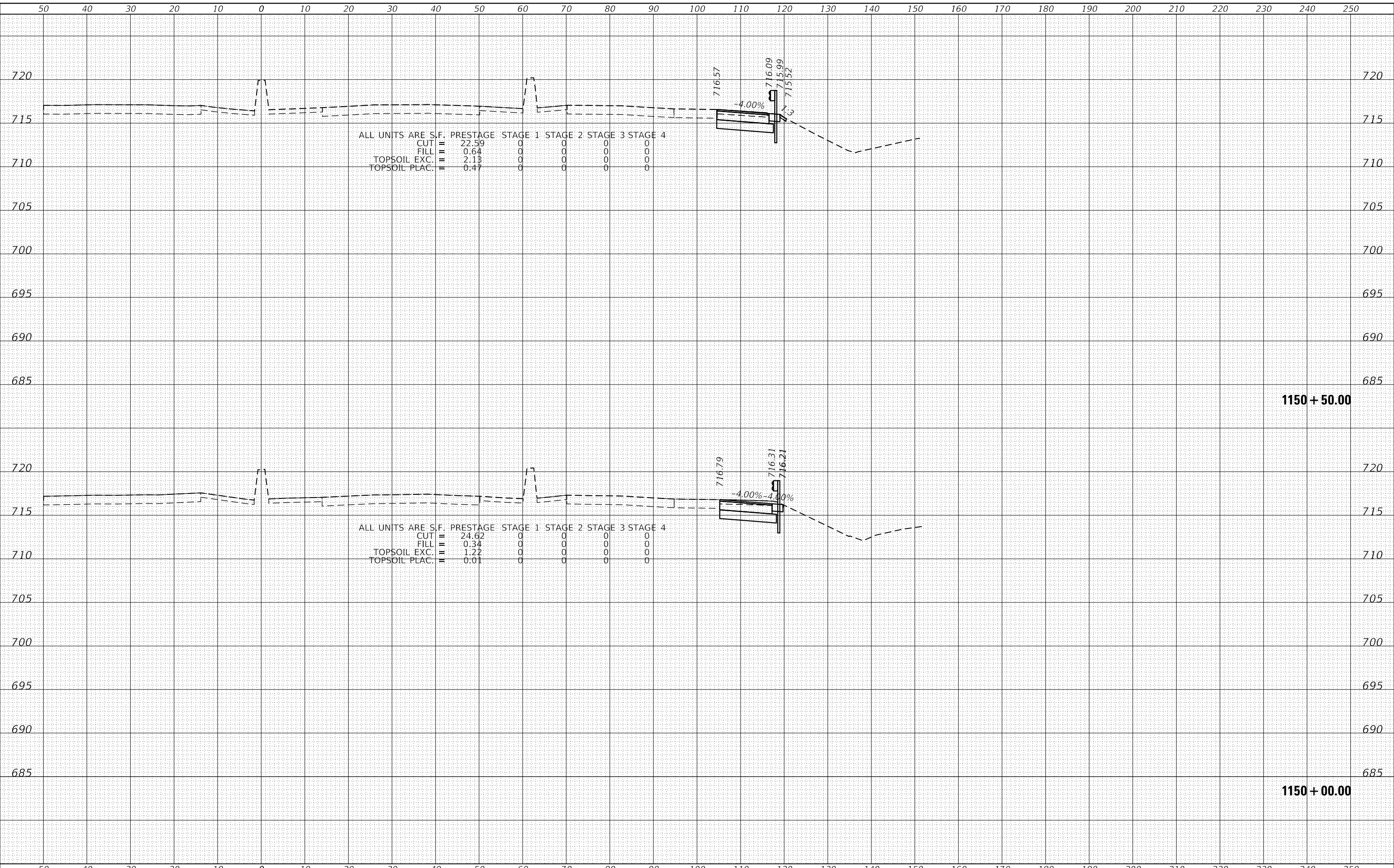
SCALE: 10-H 5-V SHEET 36 OF 286 SHEETS STA. 1149+00.00 TO STA. 1149+50.00

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|-------------|-------------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1069 |
| | | | CONTRACT NO. 62N91 | |
| | | | ILLINOIS FED. AID PROJECT | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\C2-D\Drawings\C2-D\Internal\Pre-Comp\C2-D-162\WP_1st-sec-3-WB-Altoquin to Salt Creek-LS3-S4.dwg



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|----------|
| USER NAME = StevenB | DESIGNED - | REVISD - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISD - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISD - |
| | DATE - | REVISD - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

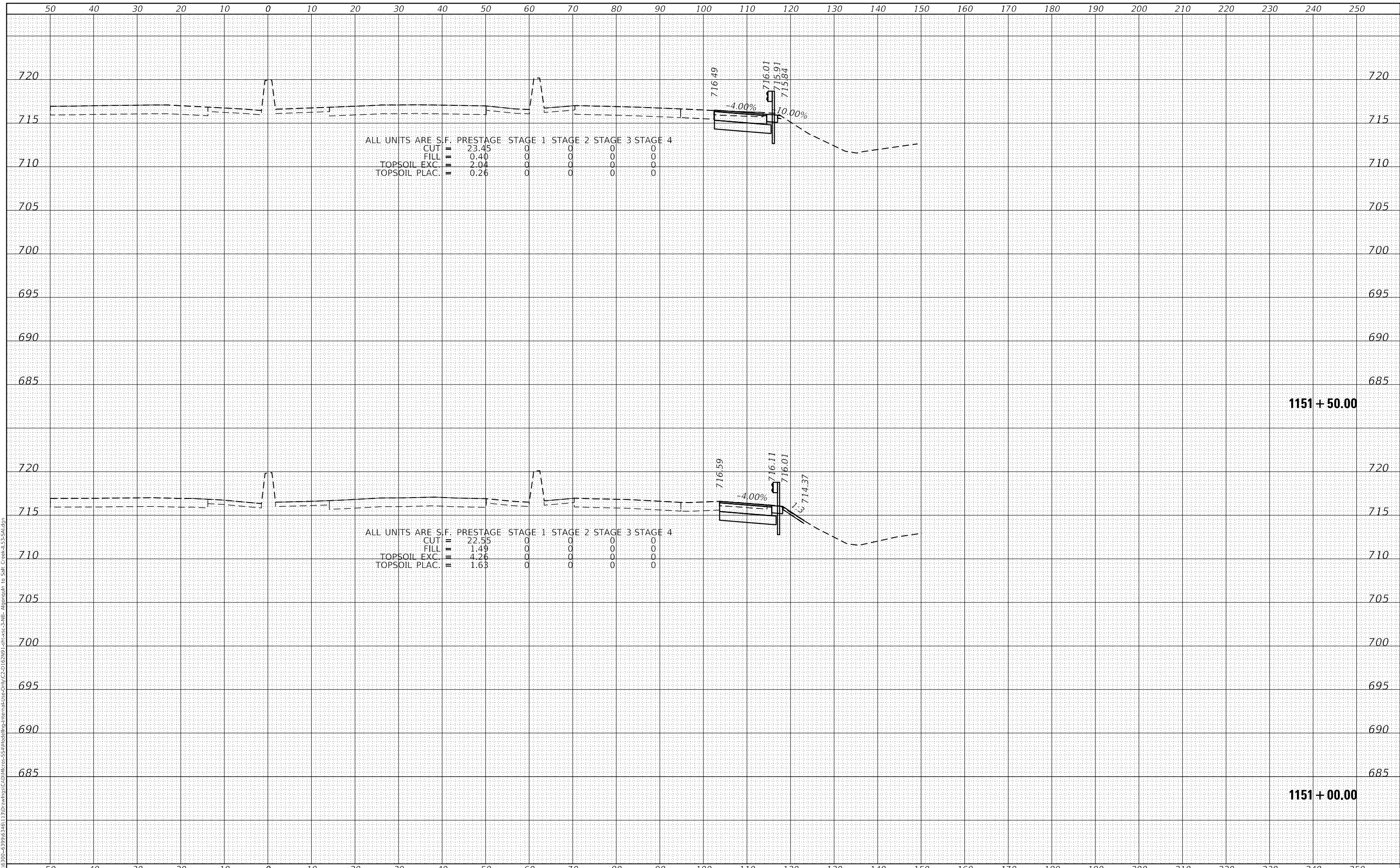
SCALE: 10-H 5-V SHEET 37 OF 286 SHEETS STA. 1150+00.00 TO STA. 1150+50.00

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|---------------------------|---------------------|-------------|--------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1070 |
| | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Defaulr
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1151 + 50.00

1151 + 00.00



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| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
CROSS SECTIONS

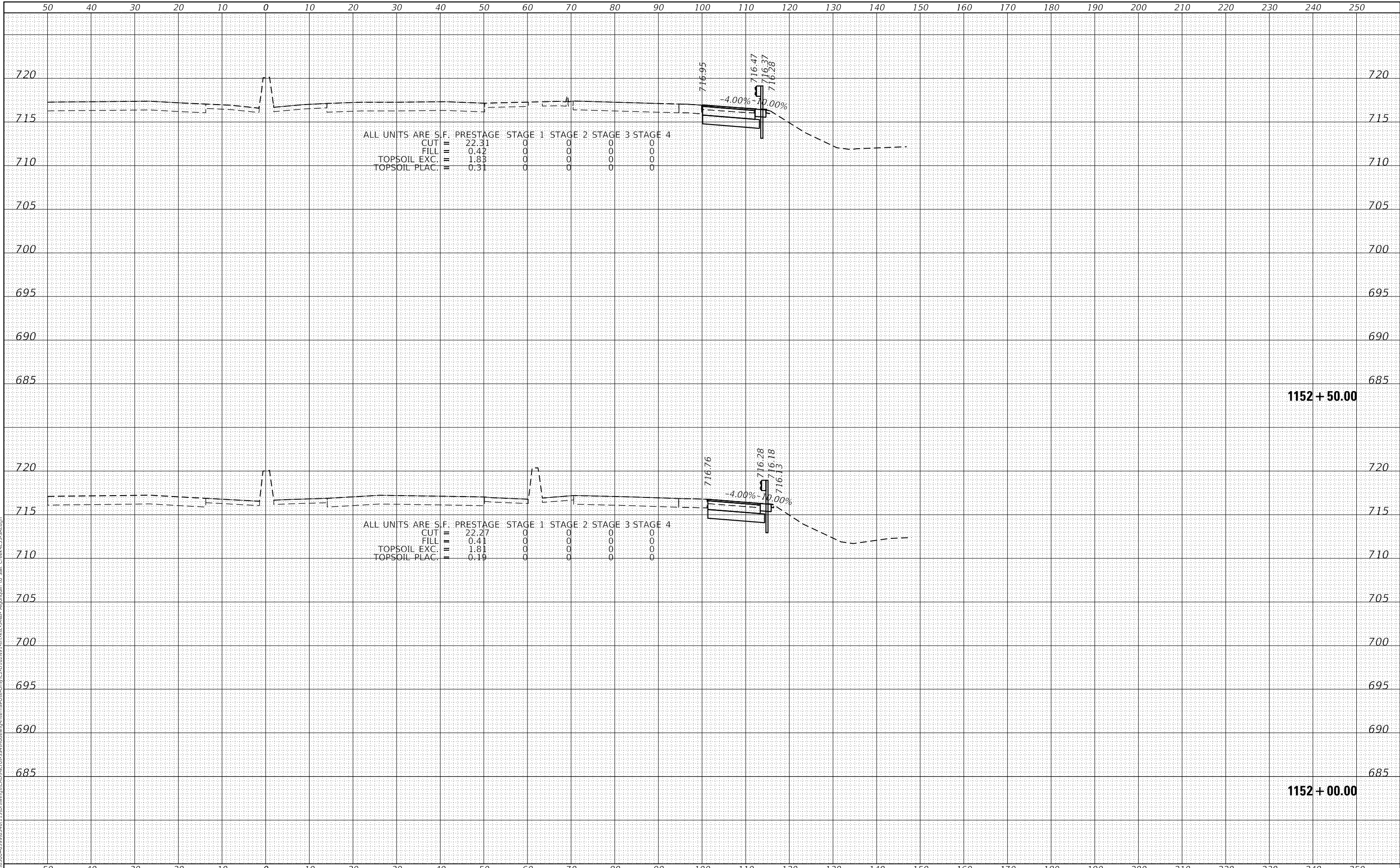
SCALE: 10-H 5-V SHEET 38 OF 286 SHEETS STA. 1151+00.00 TO STA. 1151+50.00

| | | | | |
|---------------------------|---------------------|-------------|--------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1071 |
| | | | CONTRACT NO. 62N91 | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\MicroStation\Internal\Pre-Drawn\C2-D162\NFI_2bit-vcx-3-WB-Alignm to Salt Creek-L153-S4.dwg



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

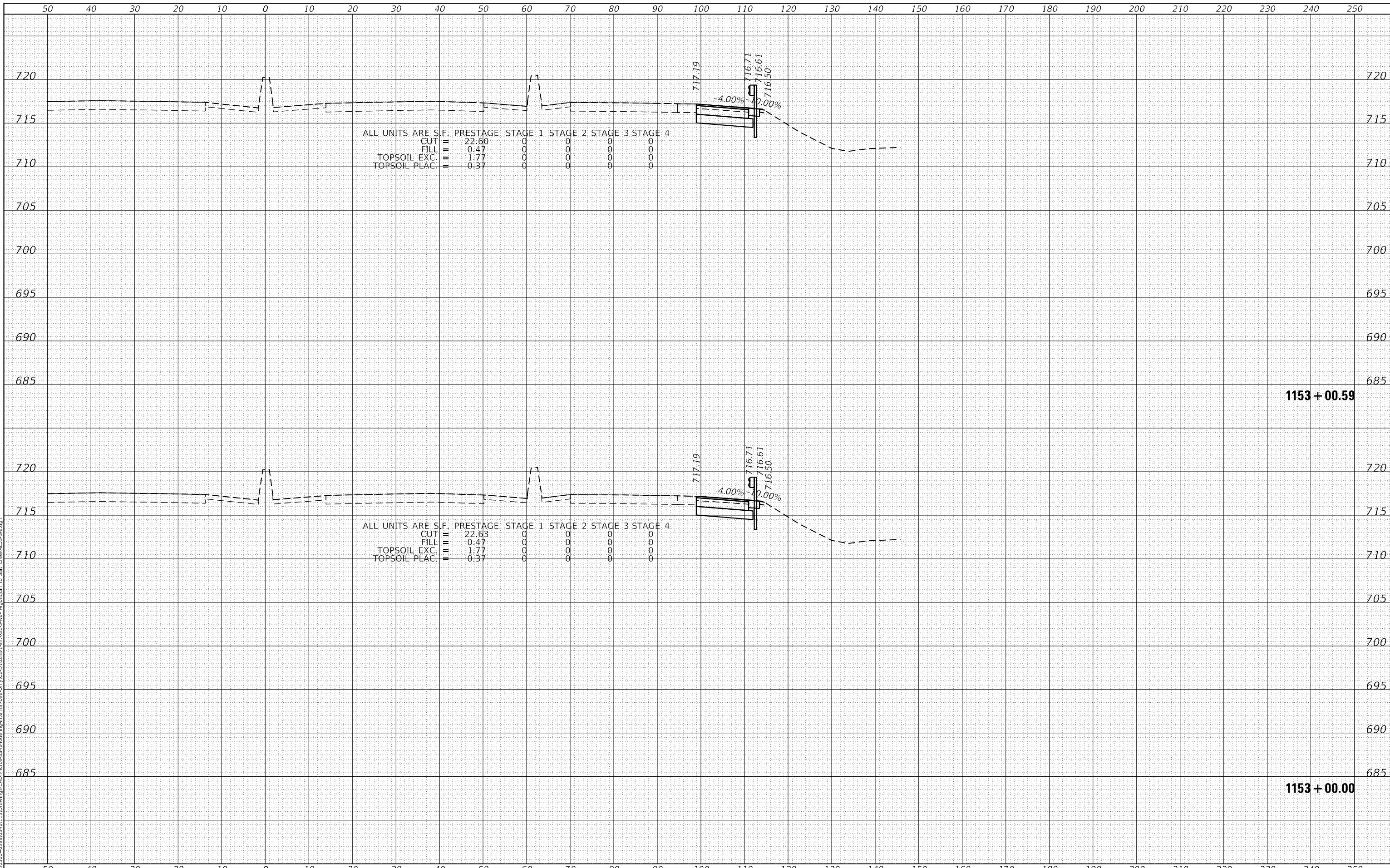
SCALE: 10-H 5-V SHEET 39 OF 286 SHEETS STA. 1152+00.00 TO STA. 1152+50.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|-------------|--------|--------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1072 |
| | | | CONTRACT NO. 62N91 | |
| ILLINOIS | | | FED. AID PROJECT | |

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

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| ORIGINAL SURVEY NO. | SURVEYED | DATE |
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| | AREAS CHECKED | |

MODEL: Defaulr
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1153 + 00.59

1153 + 00.00



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|------------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

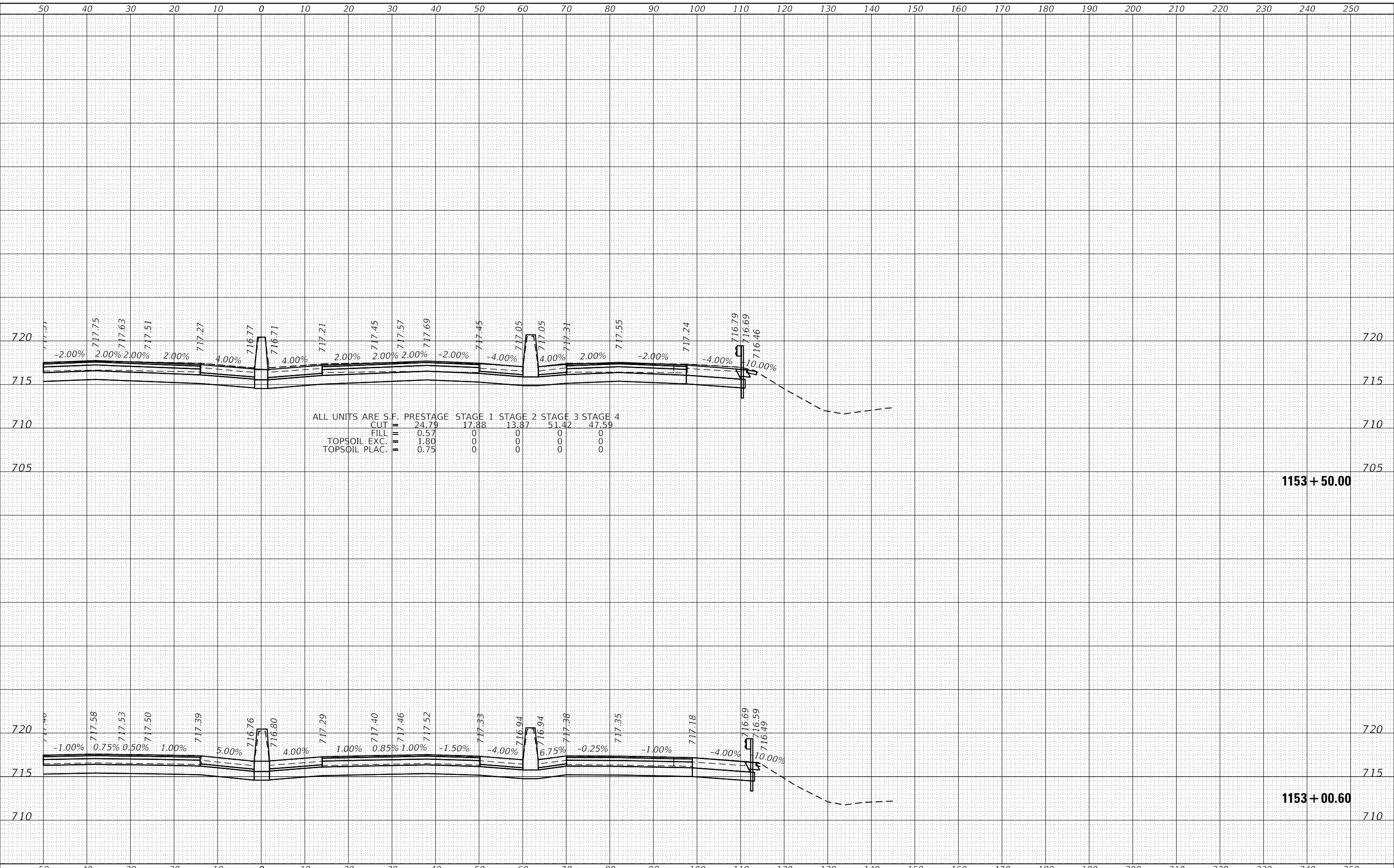
SCALE: 10-H 5-V SHEET 40 OF 286 SHEETS STA. 1153+00.00 TO STA. 1153+00.59

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| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1073 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS FED. AID PROJECT | | |

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| FINAL SURVEY NO. | SURVEYED | DATE |
| NOTE BOOK | PLOTTED | |
| AREAS CHECKED | TEMPLATE | |
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| ORIGINAL SURVEY NO. | SURVEYED | DATE |
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SA
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53 AT SALT CREEK
CROSS SECTIONS**

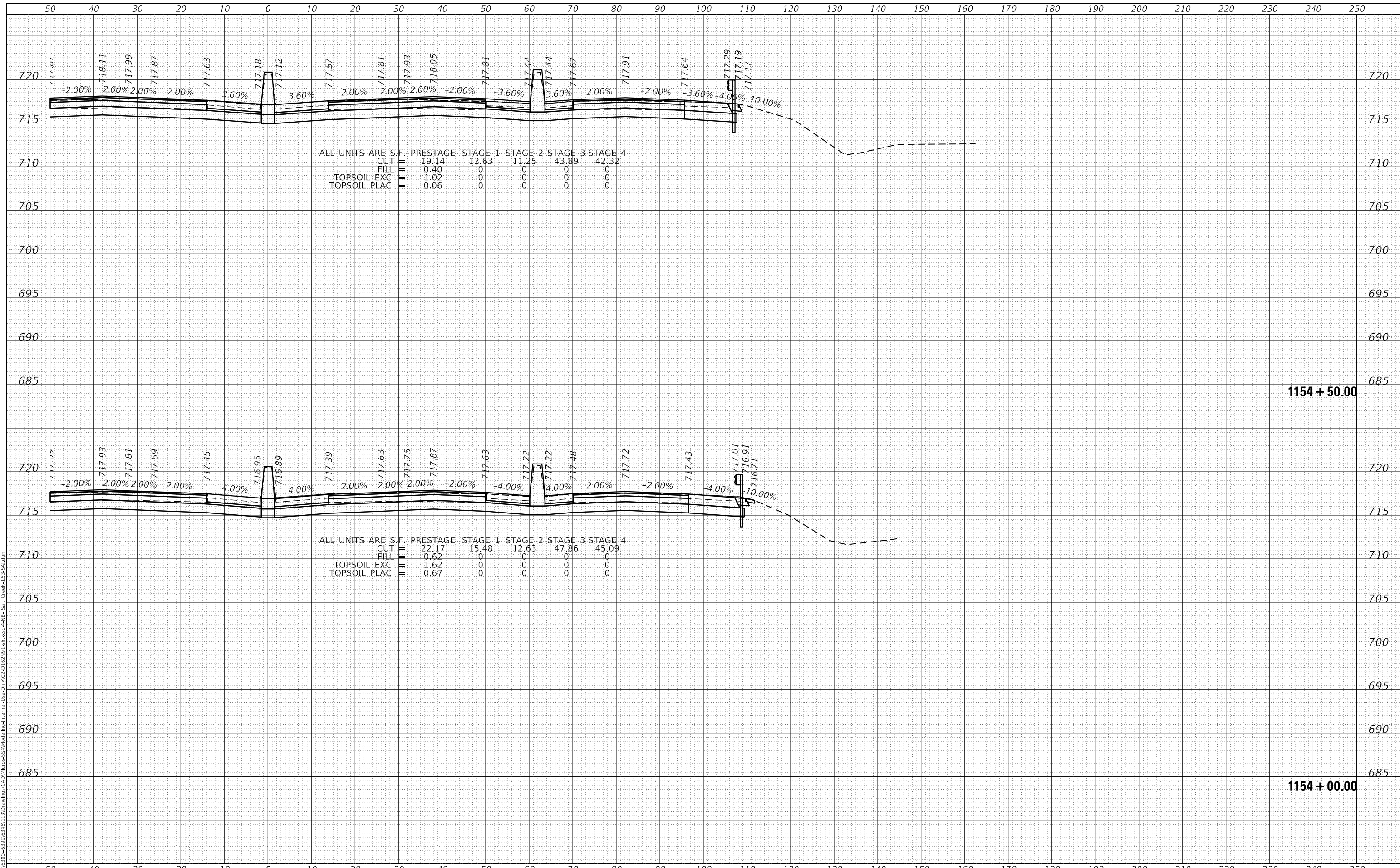
SCALE: 10-H 5-V SHEET 41 OF 286 SHEETS STA. 1153+00.61 TO STA. 1153+50.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|-------------|---------------------------|--------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1074 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS FED. AID PROJECT | | |

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| DATE | |
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| FINAL SURVEY | SURVEYED |
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| ORIGINAL SURVEY | SURVEYED |
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| NO. | TEMPLATE |
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MODEL: Defaulr
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SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES

| | |
|-----------|-----------|
| USER NAME | = StevenB |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |

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| REVISD | - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53 AT SALT CREEK
 CROSS SECTIONS**

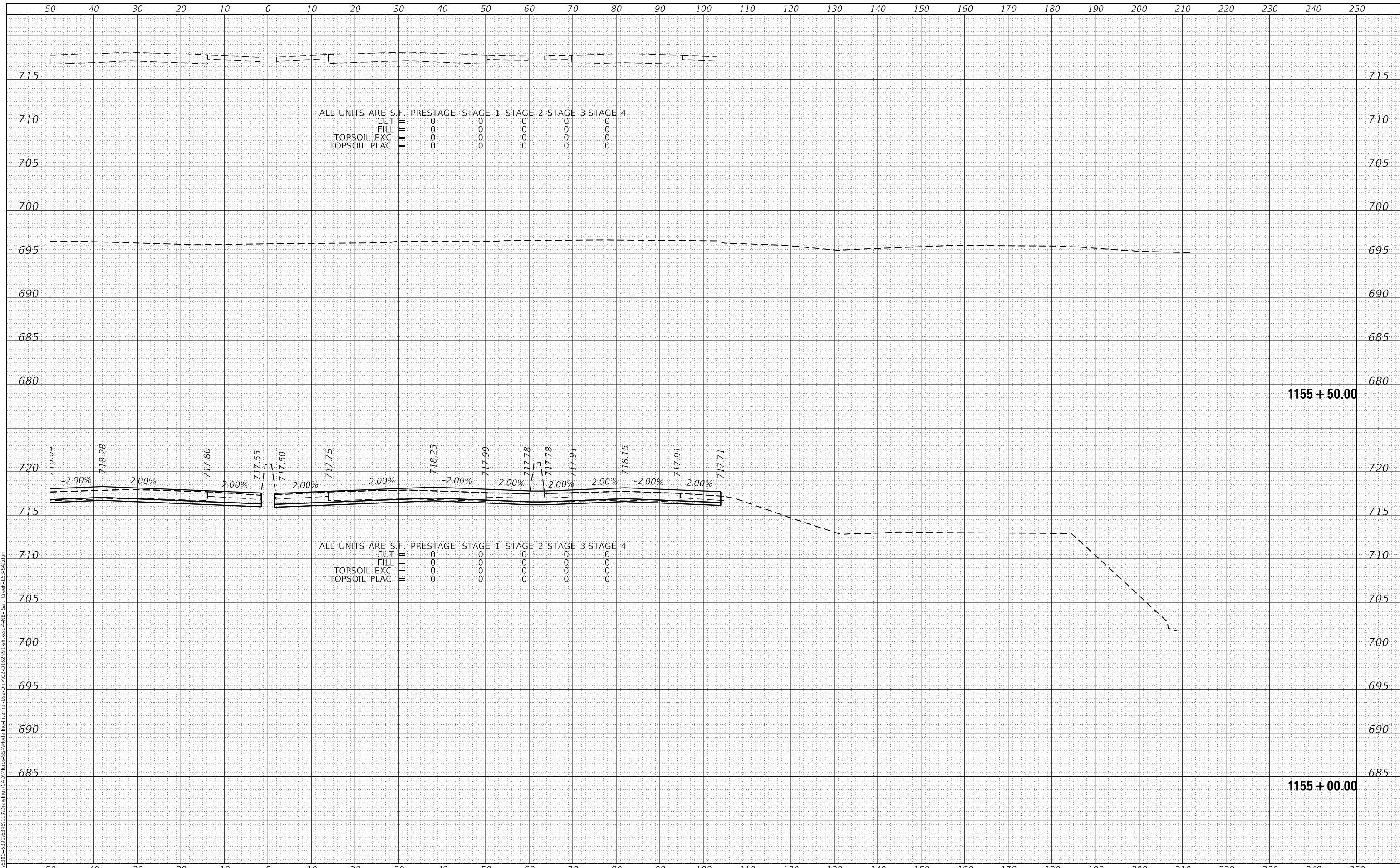
SCALE: 10-H 5-V SHEET 42 OF 286 SHEETS STA. 1154+00.00 TO STA. 1154+50.00

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|-------------|-------------|----------|------------------|--------------------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1075 |
| | | | | CONTRACT NO. 62N91 |
| | | ILLINOIS | FED. AID PROJECT | |

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

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | |
|-----------|-----------|
| USER NAME | = StevenB |
| DESIGNED | - |
| DRAWN | - |
| CHECKED | - |
| DATE | - |

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

**NB IL ROUTE 53 AT SALT CREEK
 CROSS SECTIONS**

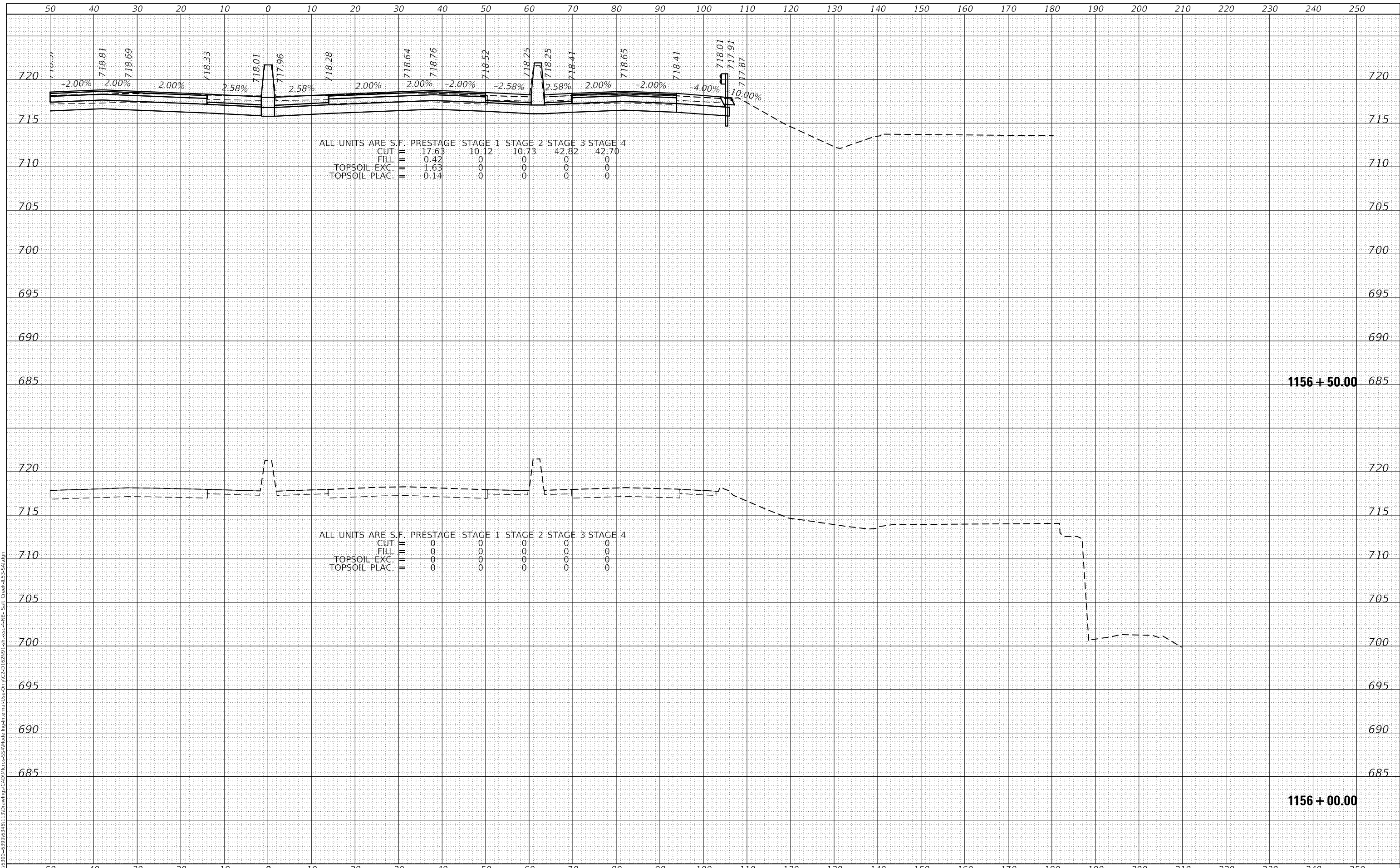
SCALE: 10-H 5-V SHEET 43 OF 286 SHEETS STA. 1155+00.00 TO STA. 1155+50.00

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|-------------|-------------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1076 |
| | | | CONTRACT NO. 62N91 | |
| | | | ILLINOIS FED. AID PROJECT | |

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

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SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 STRAND ASSOCIATES*
 (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53 AT SALT CREEK
 CROSS SECTIONS**

SCALE: 10-H 5-V SHEET 44 OF 286 SHEETS STA. 1156+00.00 TO STA. 1156+50.00

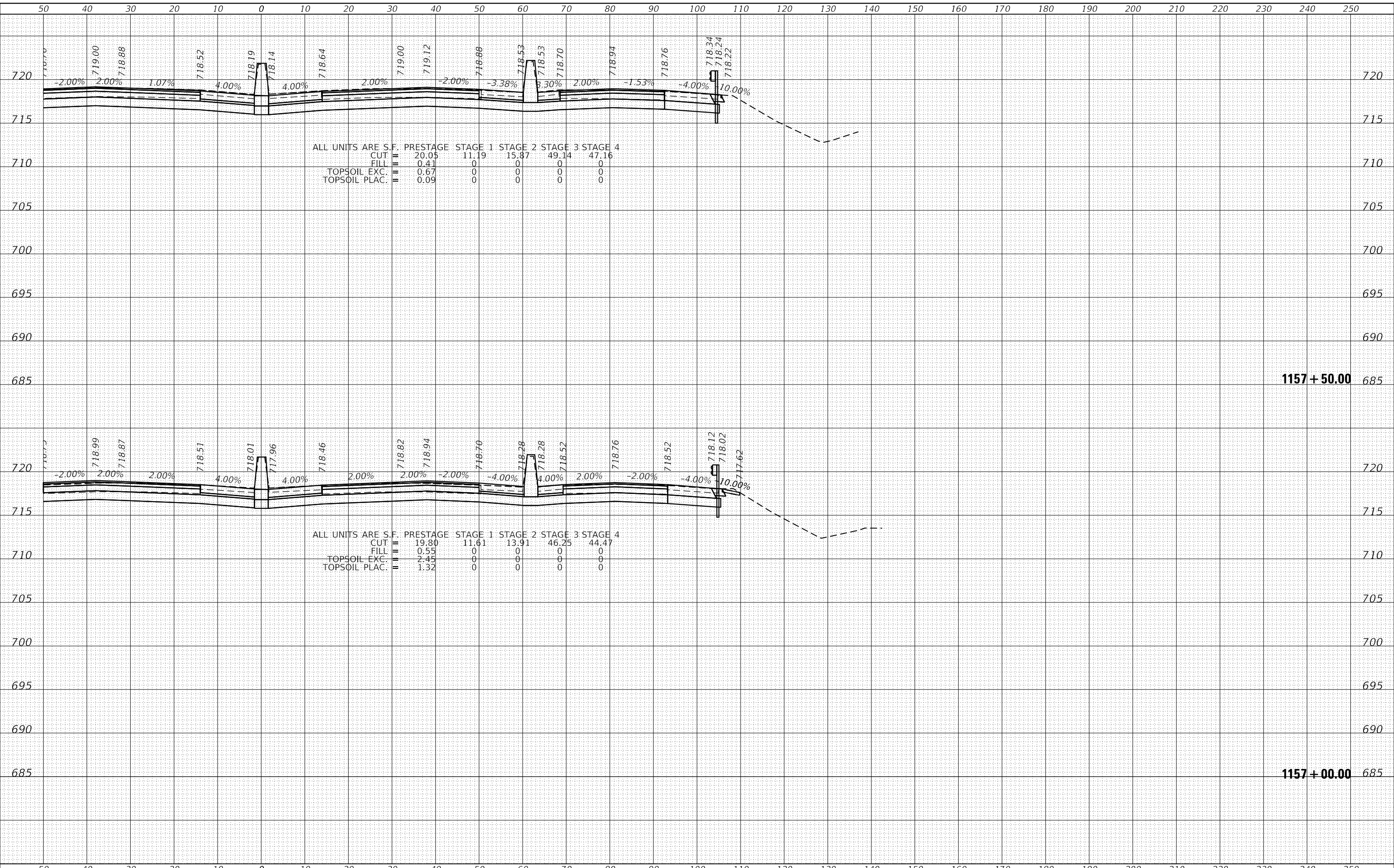
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|-------------|--------|--------------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1077 |
| | | | CONTRACT NO. 62N91 | |

ILLINOIS FED. AID PROJECT

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

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

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES
(815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

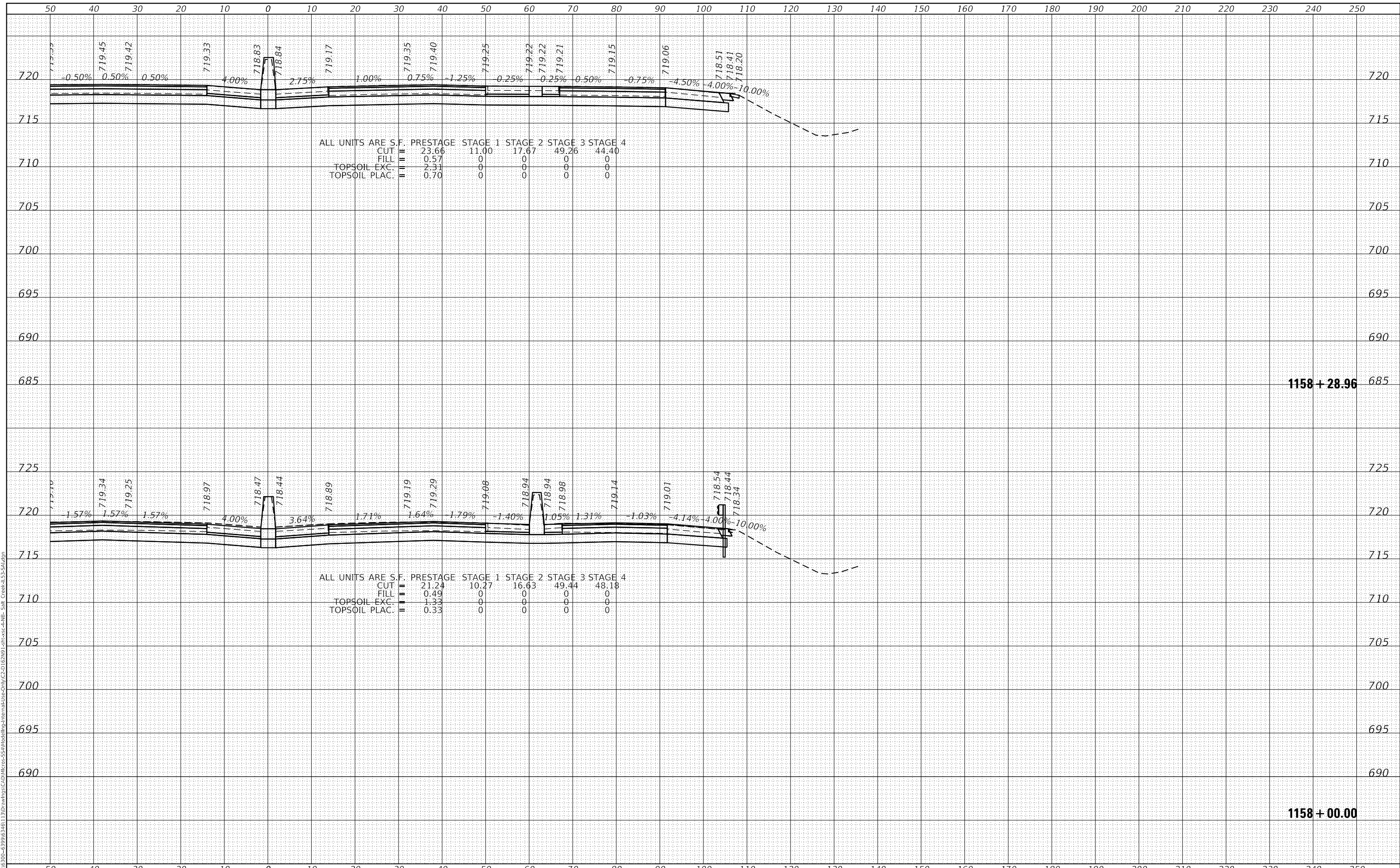
NB IL ROUTE 53 AT SALT CREEK
CROSS SECTIONS
SCALE: 10-H 5-V SHEET 45 OF 286 SHEETS STA. 1157+00.00 TO STA. 1157+50.00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 342 | 2018-100-BR | COOK | 1351 | 1078 |
| CONTRACT NO. 62N91 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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

MODEL: Defaulr
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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

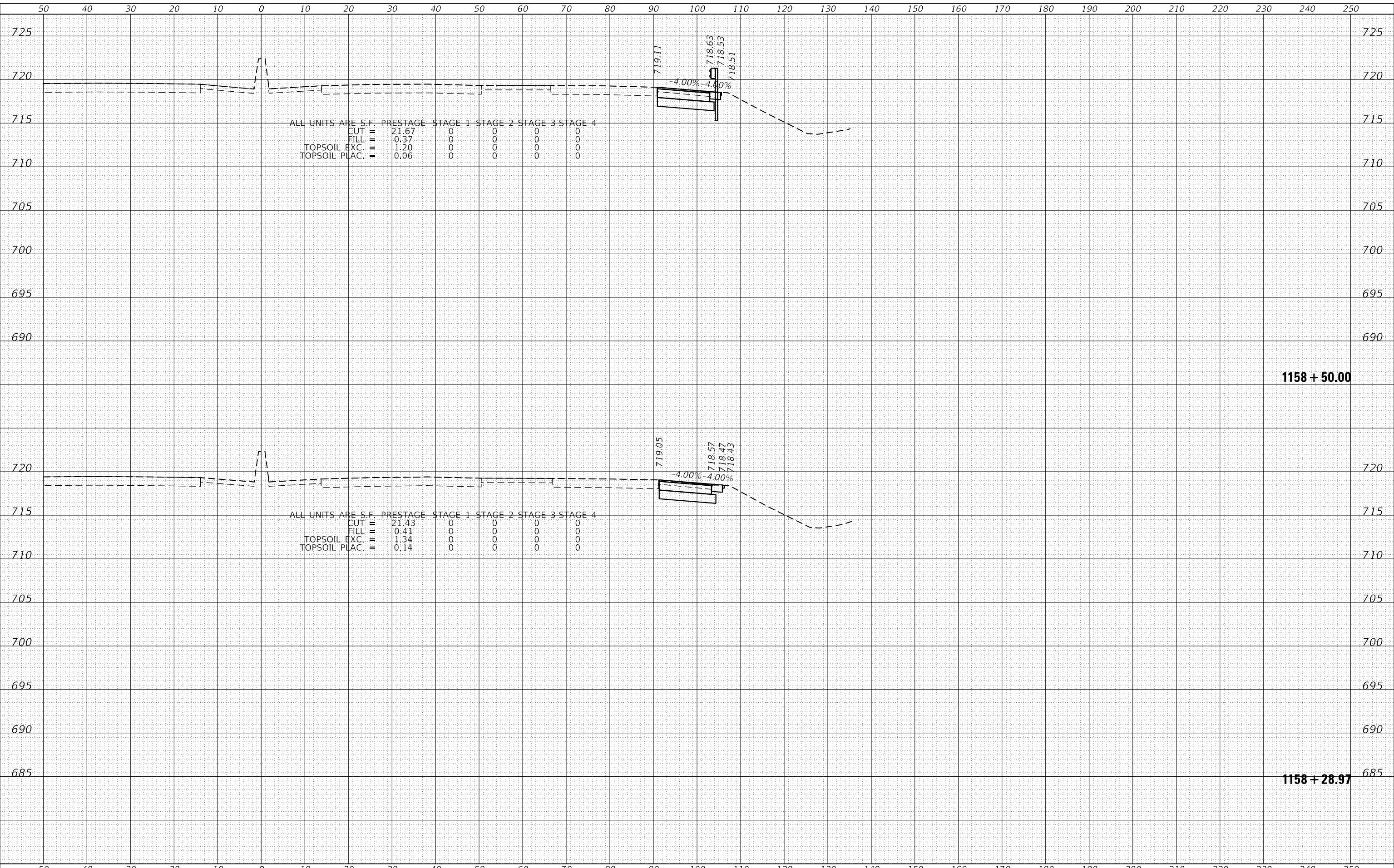
**NB IL ROUTE 53 AT SALT CREEK
 CROSS SECTIONS**
 SCALE: 10-H 5-V SHEET 46 OF 286 SHEETS STA. 1158+00.00 TO STA. 1158+28.95

| | | | | |
|-------------|-------------|----------|------------------|--------------------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1079 |
| | | | | CONTRACT NO. 62N91 |
| | | ILLINOIS | FED. AID PROJECT | |

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\Internal\Pre-Comp\C2-D162\N91_113\cxc-5-NB_Sht_Creek to South Limit\LS-Sal.dgn



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

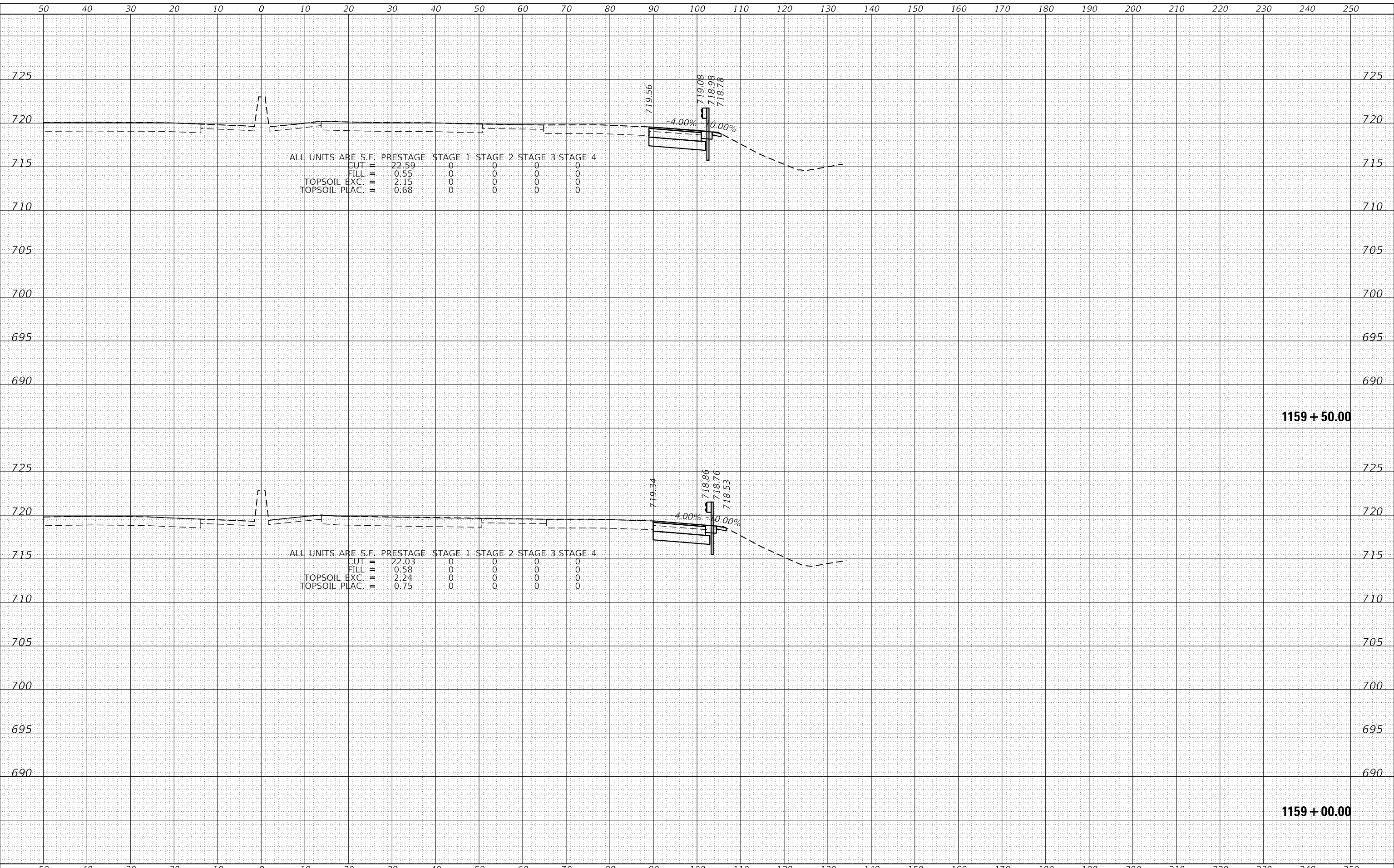
SCALE: 10-H 5-V SHEET 47 OF 286 SHEETS STA. 1158+28.97 TO STA. 1158+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1080 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\C2-D162\NFI_2110x5-5MB_Sit_Creek_to_South_Limit\LS-Sal.dgn



STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

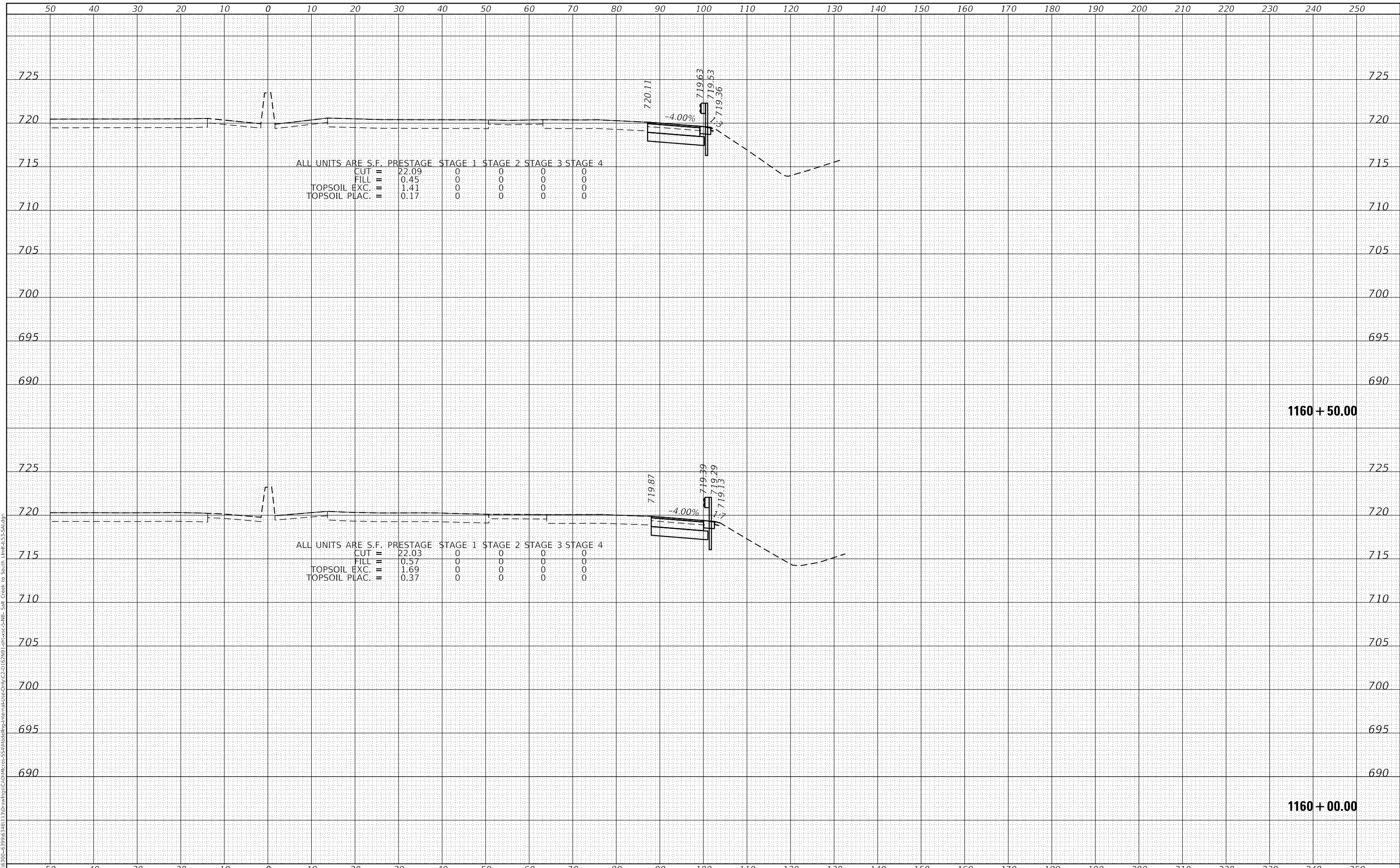
SCALE: 10-H 5-V SHEET 48 OF 286 SHEETS STA. 1159+00.00 TO STA. 1159+50.00

| | | | | |
|-------------|-------------|----------|------------------|--------------------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1081 |
| | | | | CONTRACT NO. 62N91 |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

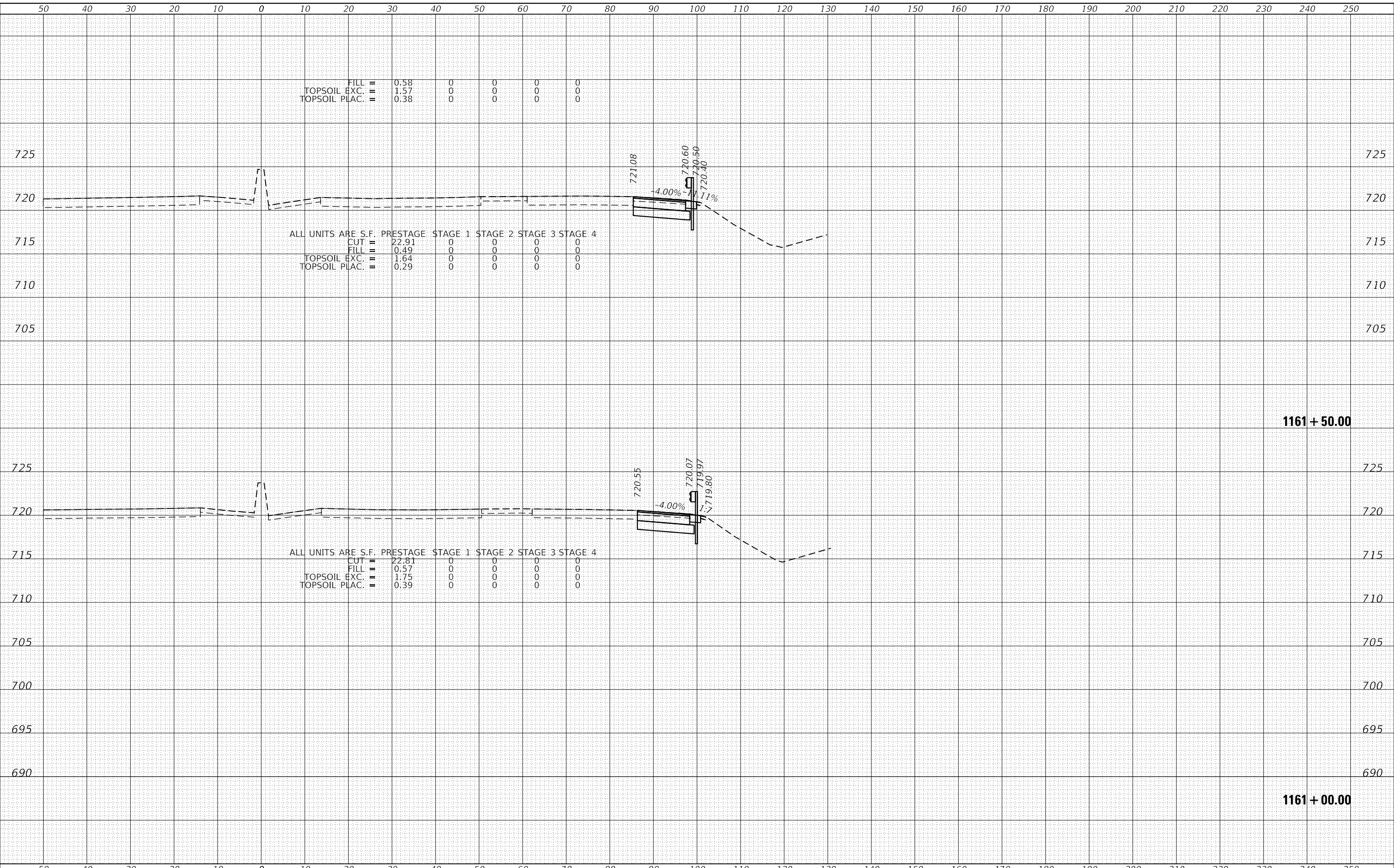
SCALE: 10-H 5-V SHEET 49 OF 286 SHEETS STA. 1160+00.00 TO STA. 1160+50.00

| | | | | |
|-------------|-------------|---------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1082 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS FED. AID PROJECT | | |

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

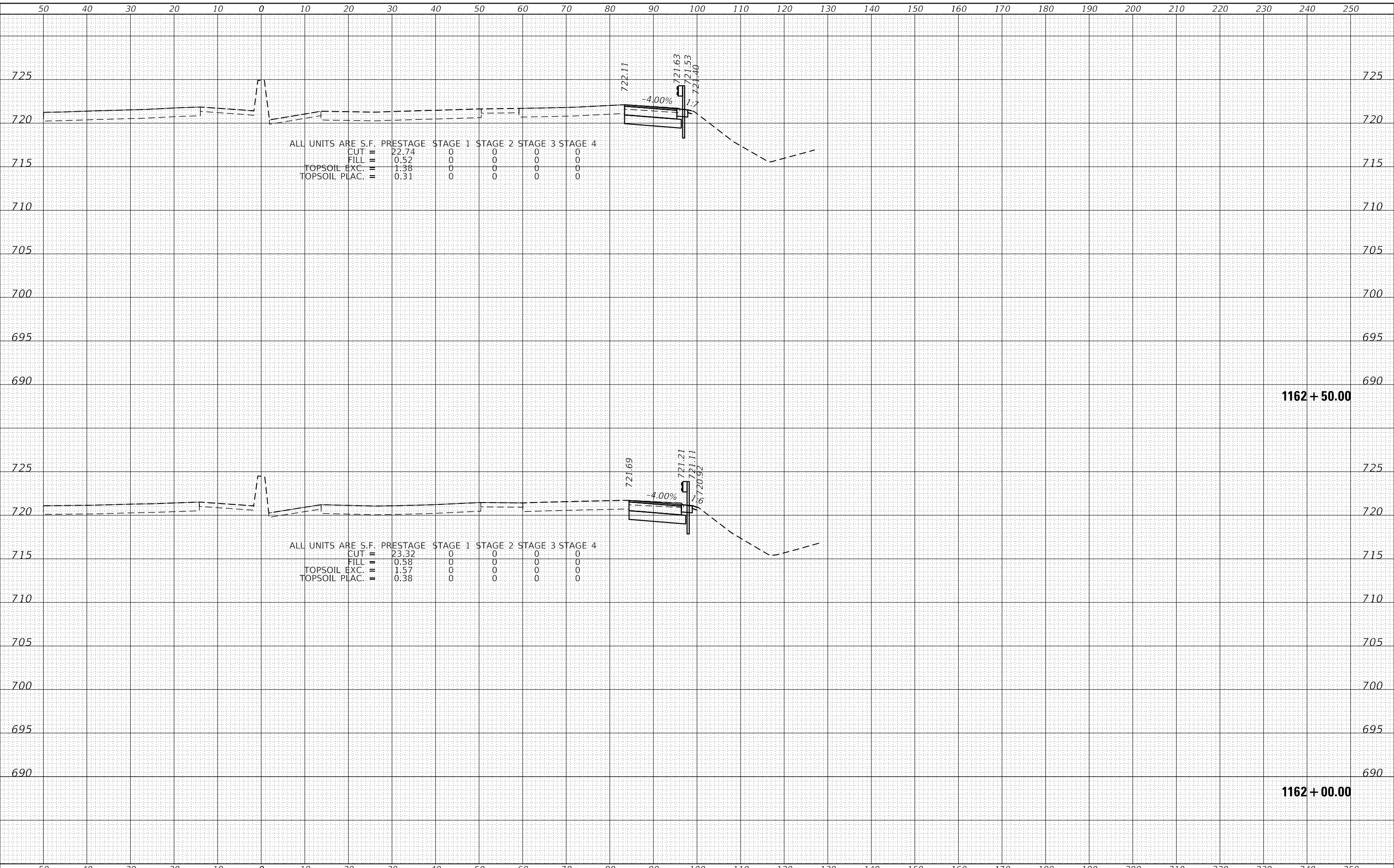
MODEL: Defaulr
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| DATE | |
| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
| NO. | TEMPLATE |
| | AREAS CHECKED |

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\C2-D162\N1_1st-cs-5-NB-5ft-Creek-to-South-Limit.dwg
 USER: StevenB



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | | | | |
|------------|------------------|----------|---|---------|---|
| USER NAME | = StevenB | DESIGNED | - | REVISED | - |
| | | DRAWN | - | REVISED | - |
| PLOT SCALE | = 20.0000' / in. | CHECKED | - | REVISED | - |
| PLOT DATE | = 12/13/2024 | DATE | - | REVISED | - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

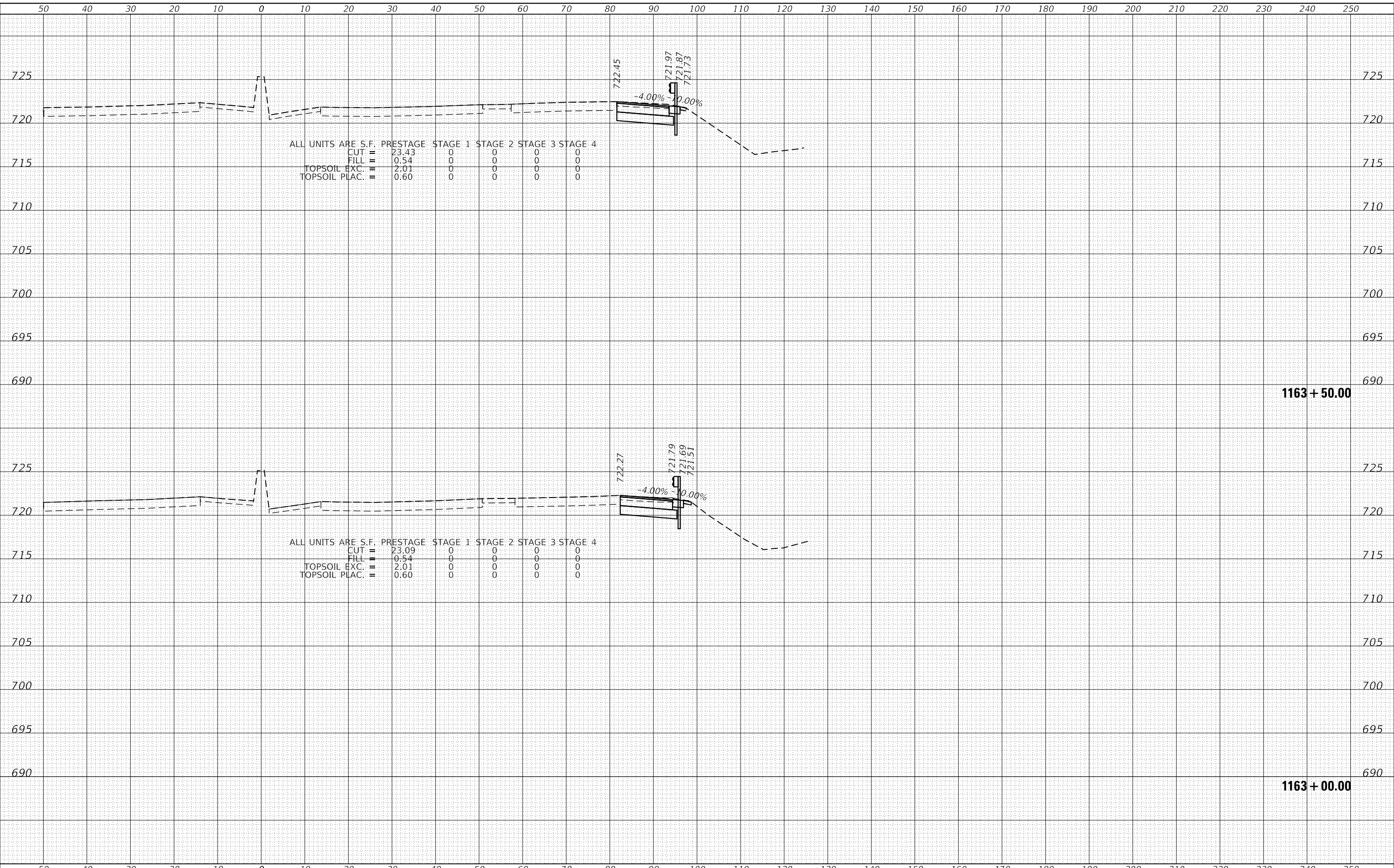
SCALE: 10-H 5-V SHEET 51 OF 286 SHEETS STA. 1162+00.00 TO STA. 1162+50.00

| | | | | |
|-------------|-------------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1084 |
| | | | CONTRACT NO. 62N91 | |
| | | | ILLINOIS FED. AID PROJECT | |

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

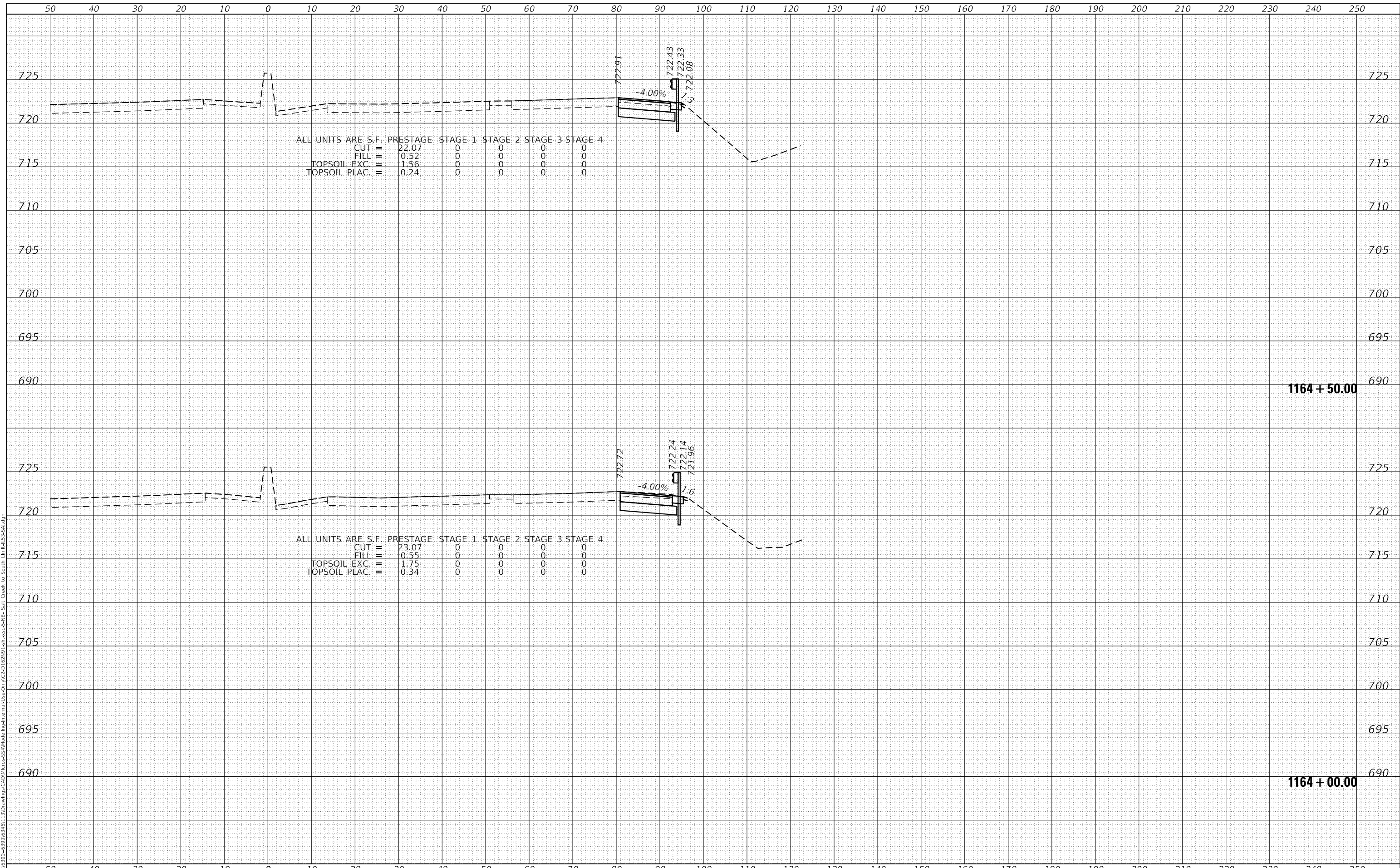
SCALE: 10-H 5-V SHEET 52 OF 286 SHEETS STA. 1163+00.00 TO STA. 1163+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1085 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 STRAND ASSOCIATES*
 (815) 744-4200

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

SCALE: 10-H 5-V SHEET 53 OF 286 SHEETS STA. 1164+00.00 TO STA. 1164+50.00

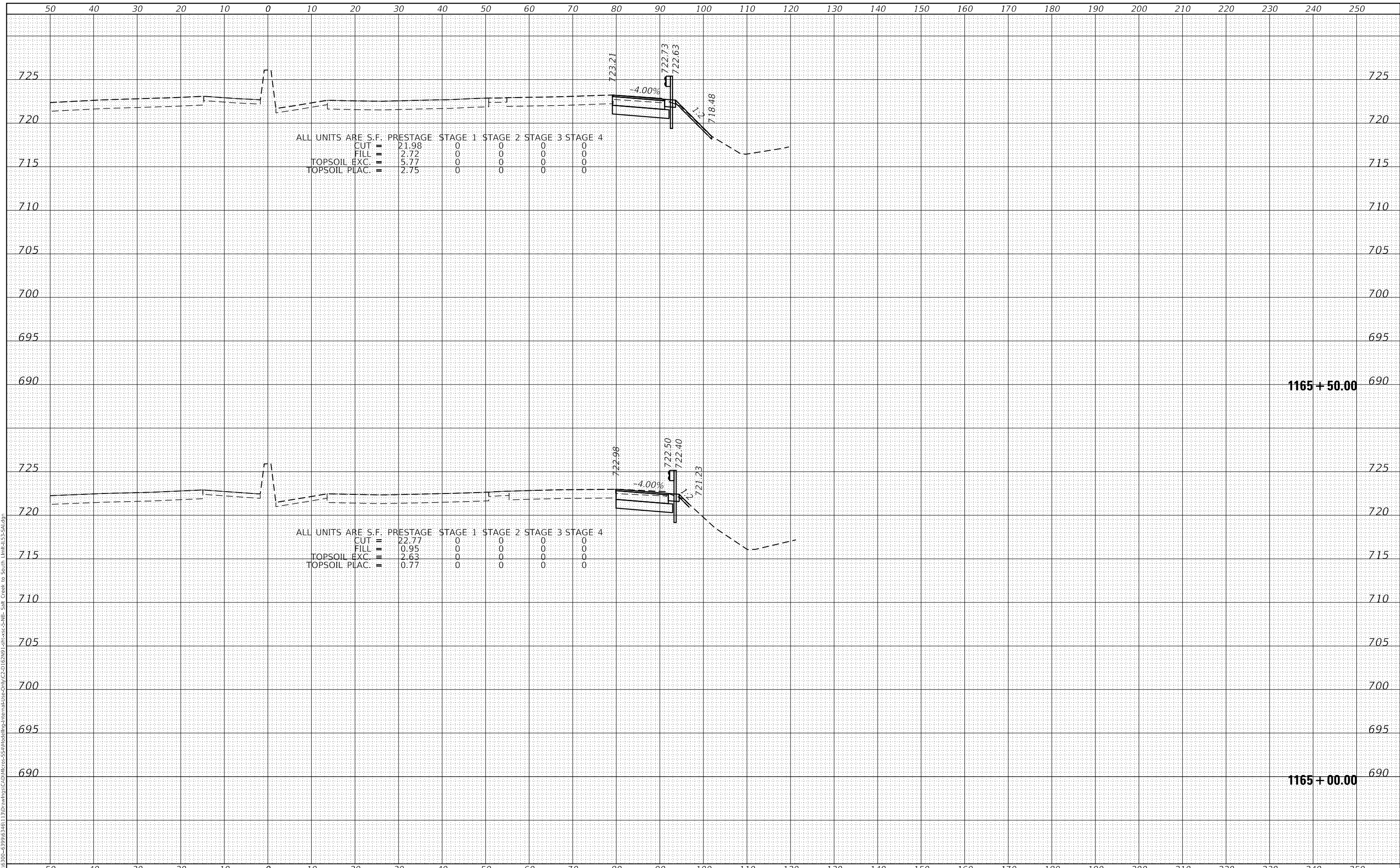
| | | | | |
|-------------|-------------|--------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1086 |
| | | | CONTRACT NO. 62N91 | |

ILLINOIS FED. AID PROJECT

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\Internal\Pre-Drawn\C2-D162\NFI_1st-cs-5-WB_Sst_Creek to South Limit\LS-Sal.dgn



ALL UNITS ARE S.F.

| | | | | | | | |
|----------|---------------|---|-------|---|---|---|---|
| PRESTAGE | CUT | = | 21.98 | 0 | 0 | 0 | 0 |
| STAGE 1 | FILL | = | 2.72 | 0 | 0 | 0 | 0 |
| STAGE 2 | TOPSOIL EXC. | = | 5.77 | 0 | 0 | 0 | 0 |
| STAGE 3 | TOPSOIL PLAC. | = | 2.75 | 0 | 0 | 0 | 0 |
| STAGE 4 | | | | | | | |

ALL UNITS ARE S.F.

| | | | | | | | |
|----------|---------------|---|-------|---|---|---|---|
| PRESTAGE | CUT | = | 22.77 | 0 | 0 | 0 | 0 |
| STAGE 1 | FILL | = | 0.95 | 0 | 0 | 0 | 0 |
| STAGE 2 | TOPSOIL EXC. | = | 2.63 | 0 | 0 | 0 | 0 |
| STAGE 3 | TOPSOIL PLAC. | = | 0.77 | 0 | 0 | 0 | 0 |
| STAGE 4 | | | | | | | |

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
STRAND ASSOCIATES*
 (815) 744-4200

| | | |
|-----------------------------|------------|----------|
| USER NAME = StevenB | DESIGNED - | REVISD - |
| | DRAWN - | REVISD - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISD - |
| PLOT DATE = 12/13/2024 | DATE - | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

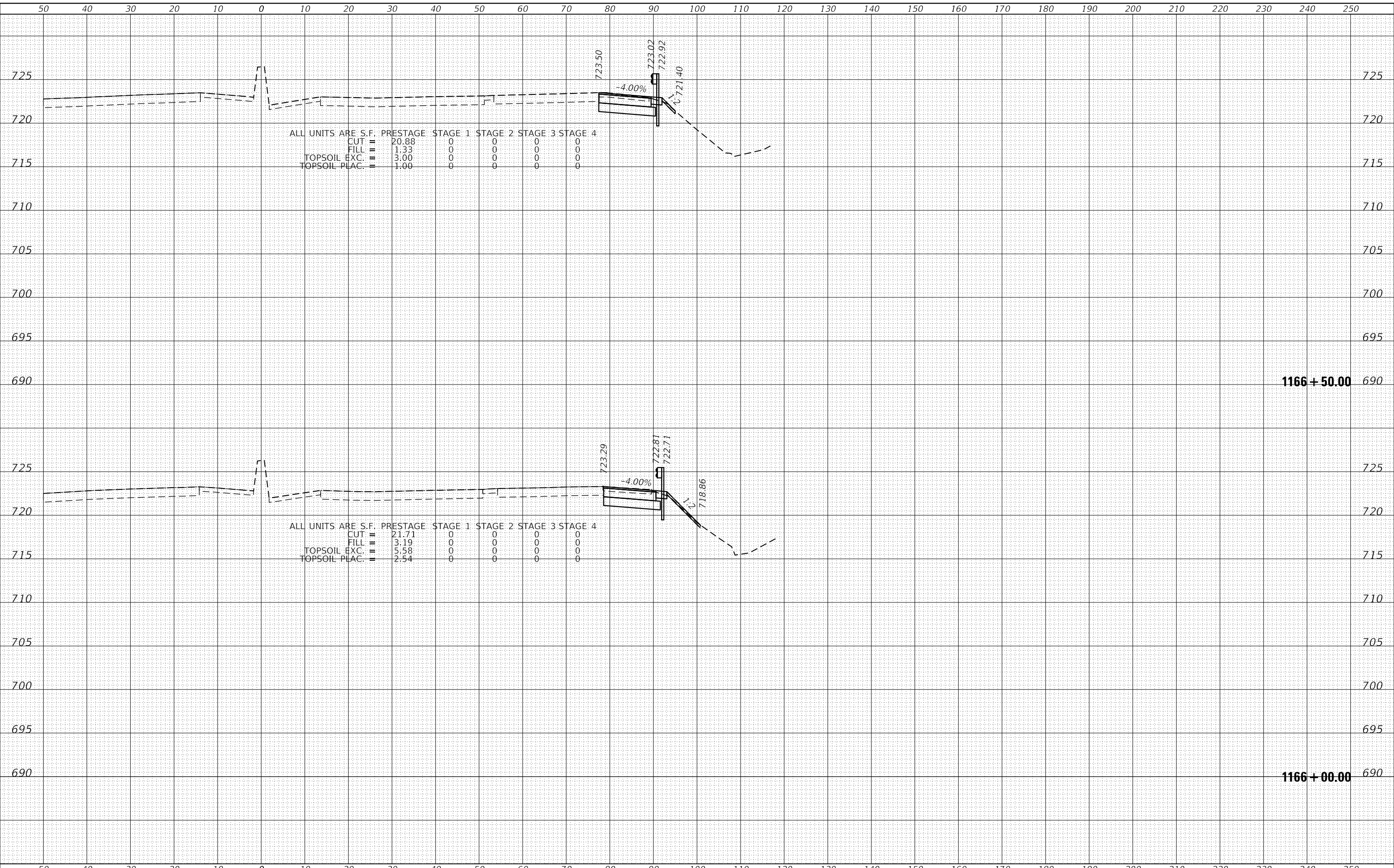
SCALE: 10-H 5-V SHEET 54 OF 286 SHEETS STA. 1165+00.00 TO STA. 1165+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1087 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

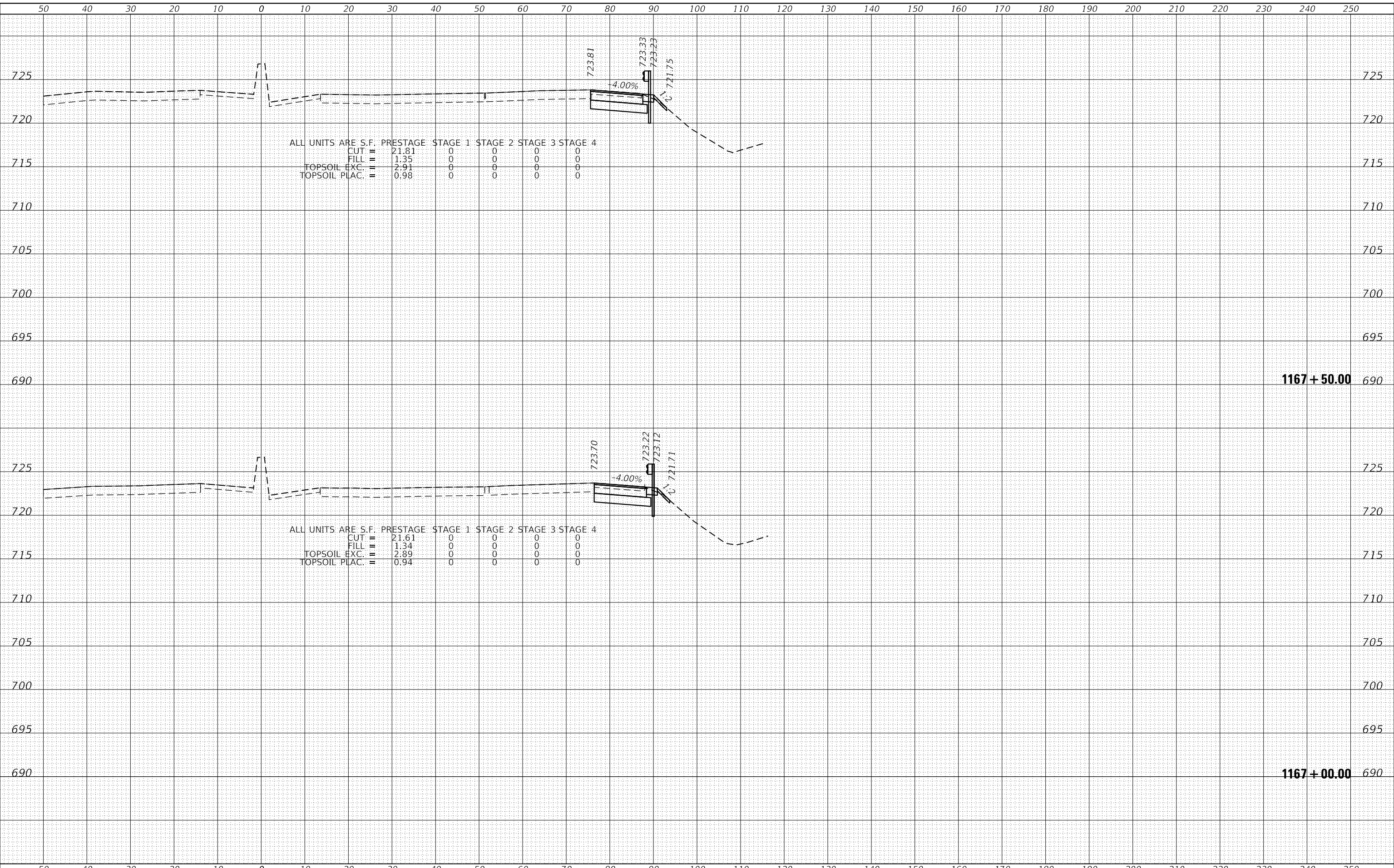
SCALE: 10-H 5-V SHEET 55 OF 286 SHEETS STA. 1166+00.00 TO STA. 1166+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1088 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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| DATE | |
| BY | |
| FINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
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| | AREAS CHECKED |

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| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK | PLOTTED |
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ALL UNITS ARE S.F. PRESTAGE STAGE 1 STAGE 2 STAGE 3 STAGE 4

| | | | | | | |
|---------------|---|-------|---|---|---|---|
| CUT | = | 21.81 | 0 | 0 | 0 | 0 |
| FILL | = | 1.35 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 2.91 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0.98 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F. PRESTAGE STAGE 1 STAGE 2 STAGE 3 STAGE 4

| | | | | | | |
|---------------|---|-------|---|---|---|---|
| CUT | = | 21.61 | 0 | 0 | 0 | 0 |
| FILL | = | 1.34 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 2.89 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0.94 | 0 | 0 | 0 | 0 |

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

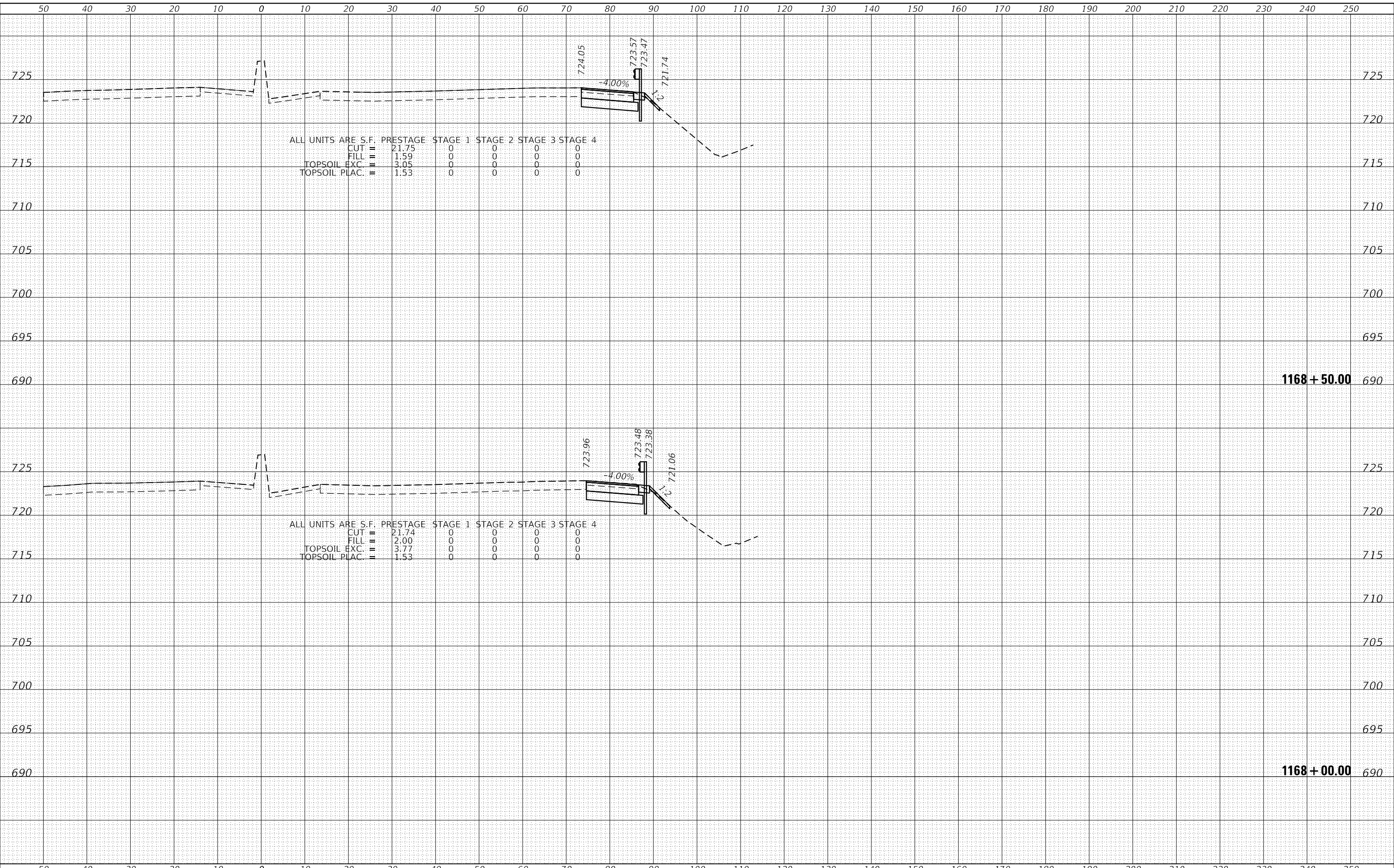
SCALE: 10-H 5-V SHEET 56 OF 286 SHEETS STA. 1167+00.00 TO STA. 1167+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1089 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
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ALL UNITS ARE S.F.

| | | | | |
|---------------|---------|---------|---------|---------|
| PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
| CUT | 0 | 0 | 0 | 0 |
| FILL | 21.75 | 0 | 0 | 0 |
| TOPSOIL EXC. | 1.59 | 0 | 0 | 0 |
| TOPSOIL PLAC. | 3.05 | 0 | 0 | 0 |
| | 1.53 | 0 | 0 | 0 |

ALL UNITS ARE S.F.

| | | | | |
|---------------|---------|---------|---------|---------|
| PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
| CUT | 0 | 0 | 0 | 0 |
| FILL | 21.74 | 0 | 0 | 0 |
| TOPSOIL EXC. | 2.00 | 0 | 0 | 0 |
| TOPSOIL PLAC. | 3.77 | 0 | 0 | 0 |
| | 1.53 | 0 | 0 | 0 |

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|----------|
| USER NAME = StevenB | DESIGNED - | REVISD - |
| | DRAWN - | REVISD - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISD - |
| PLOT DATE = 12/13/2024 | DATE - | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

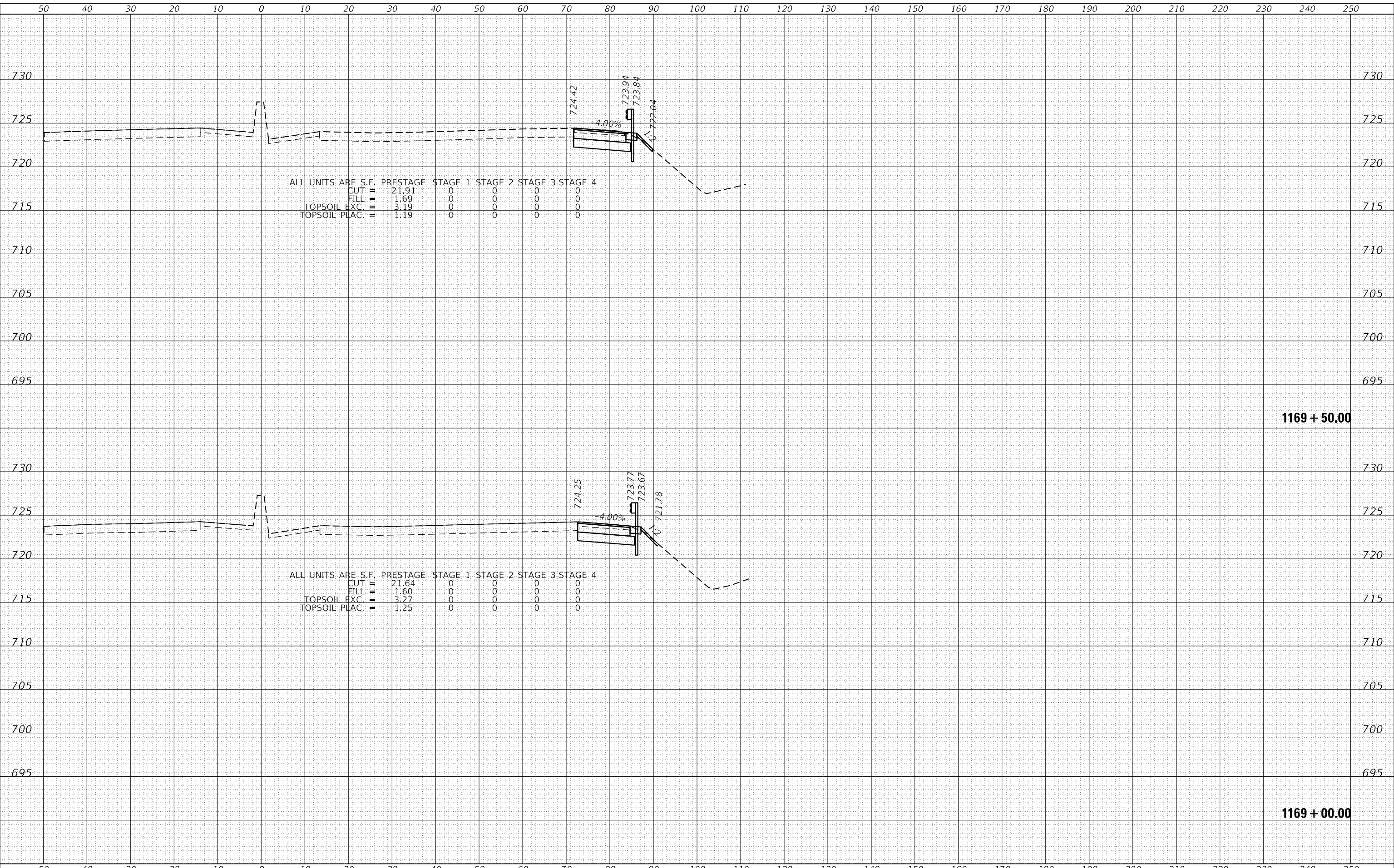
SCALE: 10-H 5-V SHEET 57 OF 286 SHEETS STA. 1168+00.00 TO STA. 1168+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1090 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\Internal\Pre-Drawn\C2-D162\NFI_11hxcv5-NB_Sit_Creek_to_South_Limit\LS-Sal.dgn



ALL UNITS ARE S.F. PRESTAGE STAGE 1 STAGE 2 STAGE 3 STAGE 4

| | | | | | | |
|---------------|---|-------|---|---|---|---|
| CUT | = | 21.91 | 0 | 0 | 0 | 0 |
| FILL | = | 1.69 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 3.19 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 1.19 | 0 | 0 | 0 | 0 |

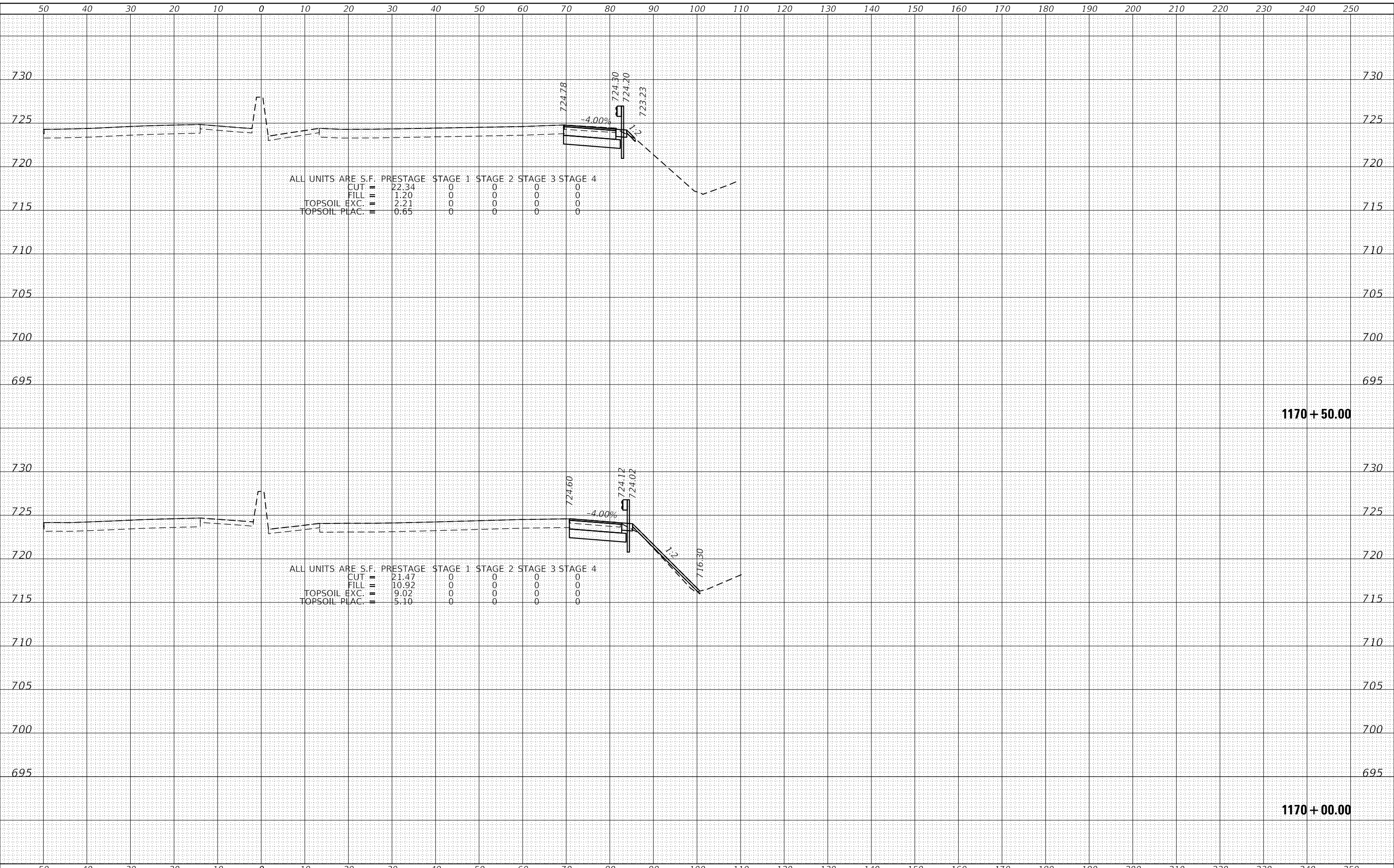
ALL UNITS ARE S.F. PRESTAGE STAGE 1 STAGE 2 STAGE 3 STAGE 4

| | | | | | | |
|---------------|---|-------|---|---|---|---|
| CUT | = | 21.64 | 0 | 0 | 0 | 0 |
| FILL | = | 1.60 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 3.27 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 1.25 | 0 | 0 | 0 | 0 |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\C2-D162\NFI_2110x5-5MB_Sit_Creek_to_South_Limit\LS-Sal.dgn



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|------------------------------|------------|----------|
| USER NAME = StevenB | DESIGNED - | REVISD - |
| | DRAWN - | REVISD - |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - | REVISD - |
| PLOT DATE = 12/13/2024 | DATE - | REVISD - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

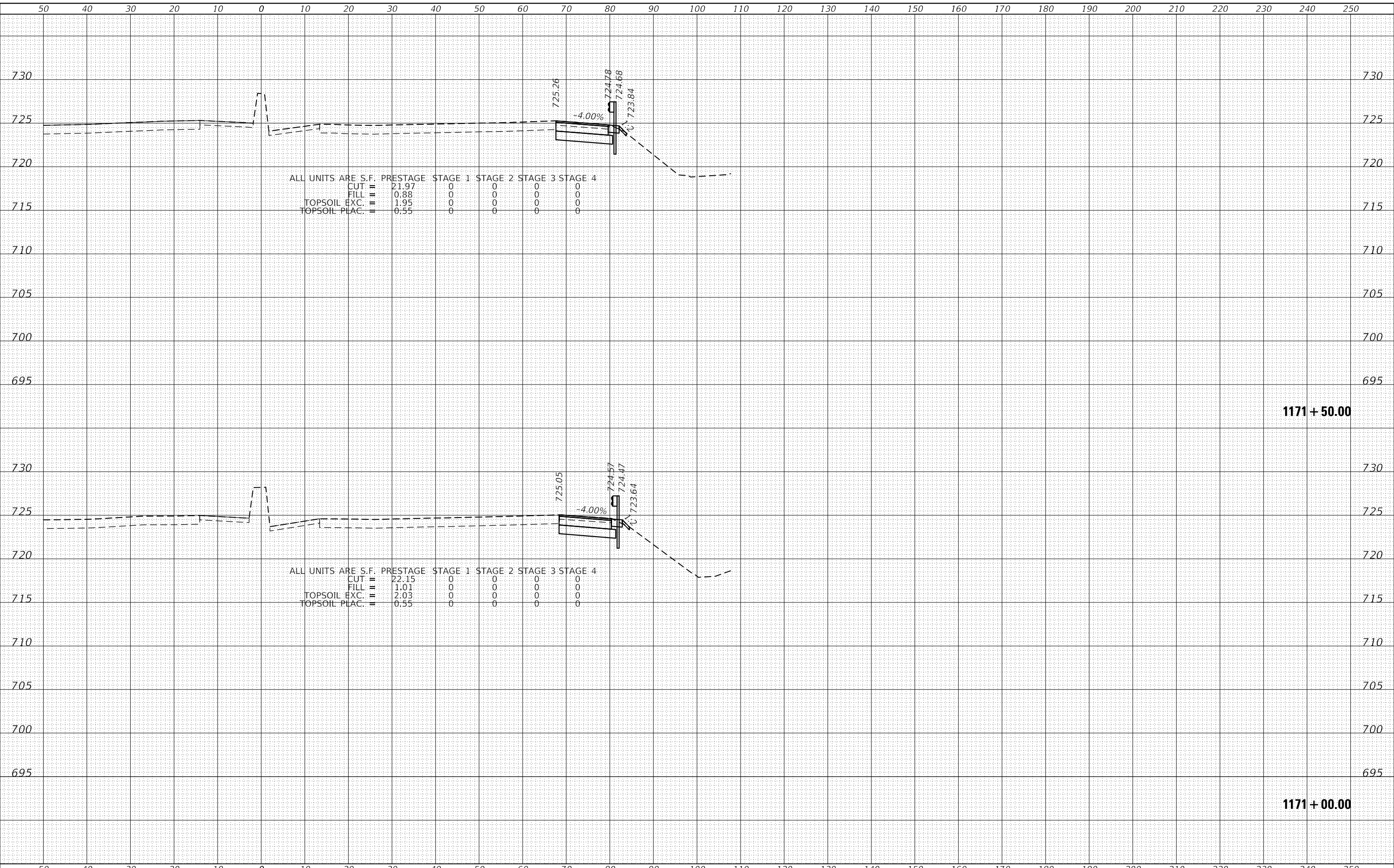
SCALE: 10-H 5-V SHEET 59 OF 286 SHEETS STA. 1170+00.00 TO STA. 1170+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1092 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\Internal\Pre-Draw\2-D\162\N1_161\cvt-5-NB_Sit_Creek_to_South_Limit\LS-Sal.dgn



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

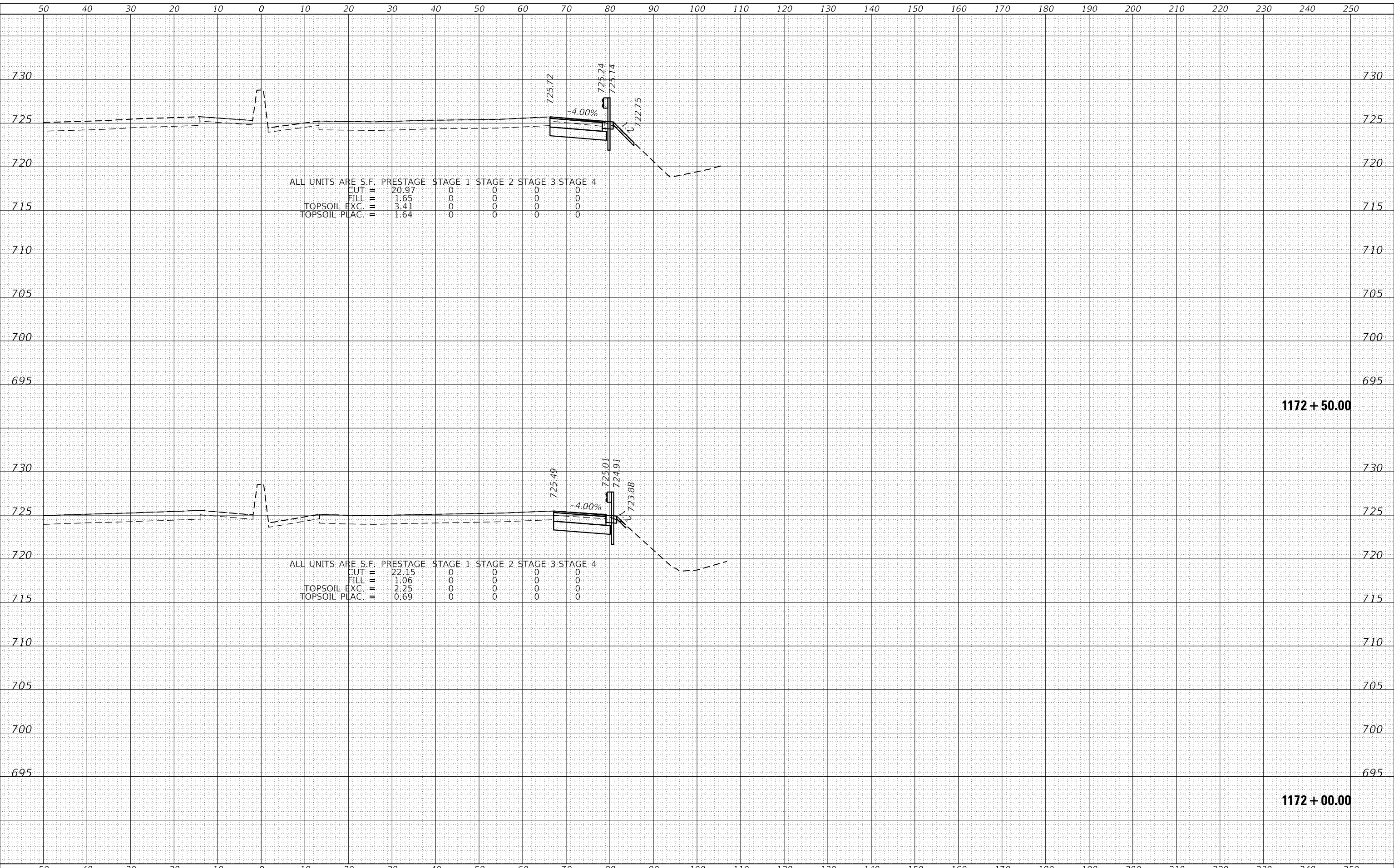
SCALE: 10-H 5-V SHEET 60 OF 286 SHEETS STA. 1171+00.00 TO STA. 1171+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1093 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\Internal\Pre-Drawn\C2-D162\NFI_2110x5-5-WB_Sit_Creek_to_South_Limit\LS-Sal.dwg



ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | = 20.97 | 0 | 0 | 0 | 0 |
| FILL | = 1.65 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = 3.41 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = 1.64 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F.

| | PRESTAGE | STAGE 1 | STAGE 2 | STAGE 3 | STAGE 4 |
|---------------|----------|---------|---------|---------|---------|
| CUT | = 22.15 | 0 | 0 | 0 | 0 |
| FILL | = 1.06 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = 2.25 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = 0.69 | 0 | 0 | 0 | 0 |

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|----------|
| USER NAME = StevenB | DESIGNED - | REVISD - |
| | DRAWN - | REVISD - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISD - |
| PLOT DATE = 12/13/2024 | DATE - | REVISD - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

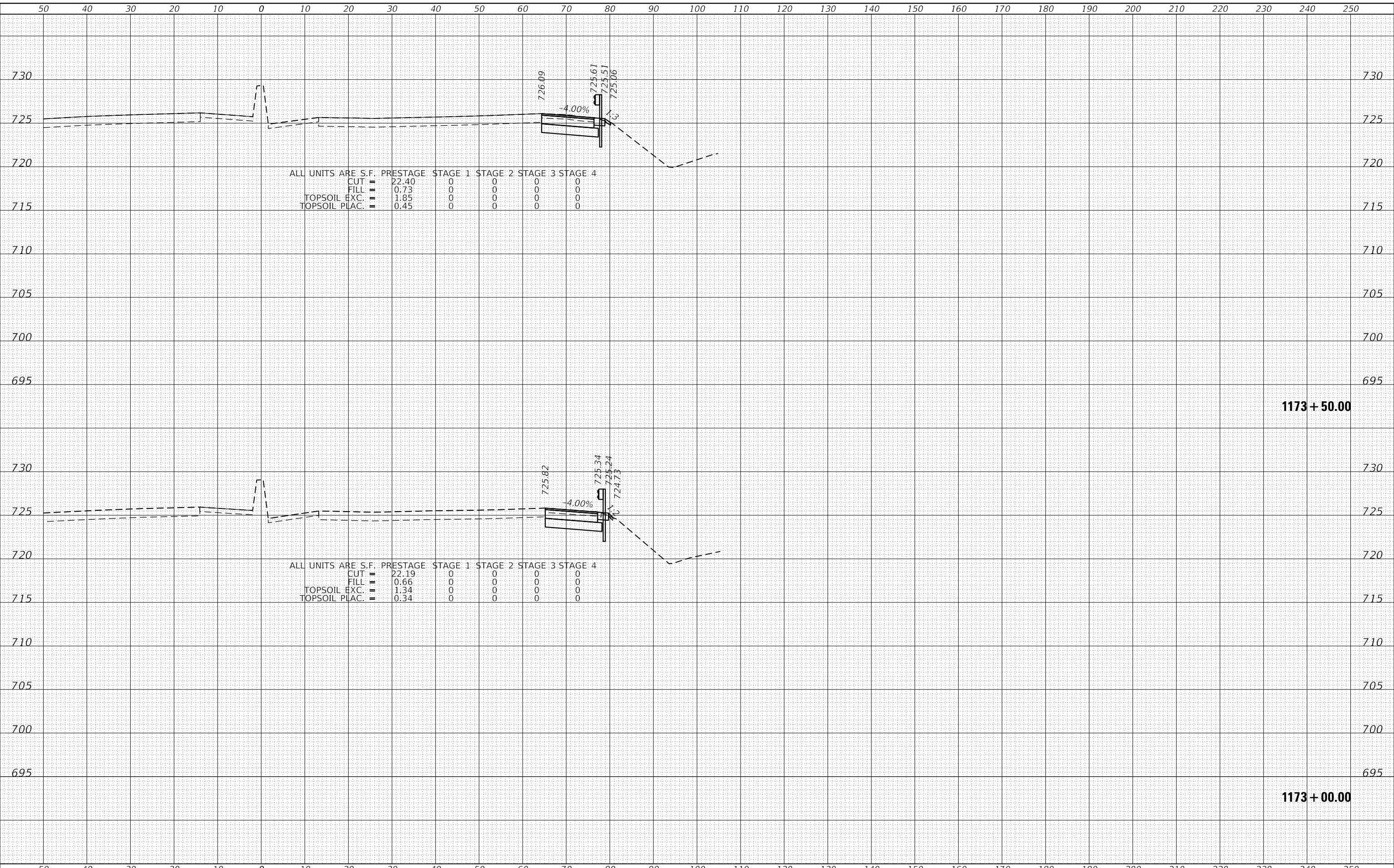
SCALE: 10-H 5-V SHEET 61 OF 286 SHEETS STA. 1172+00.00 TO STA. 1172+50.00

| | | | | |
|-----------------|---------------------|---------------------------|--------------------|----------------|
| F.A.P. RTE. 342 | SECTION 2018-100-BR | COUNTY COOK | TOTAL SHEETS 1351 | SHEET NO. 1094 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS FED. AID PROJECT | | |

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

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

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|------------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| PLOT SCALE = 20.0000 ' / in. | DRAWN - | REVISED - |
| PLOT DATE = 12/13/2024 | CHECKED - | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

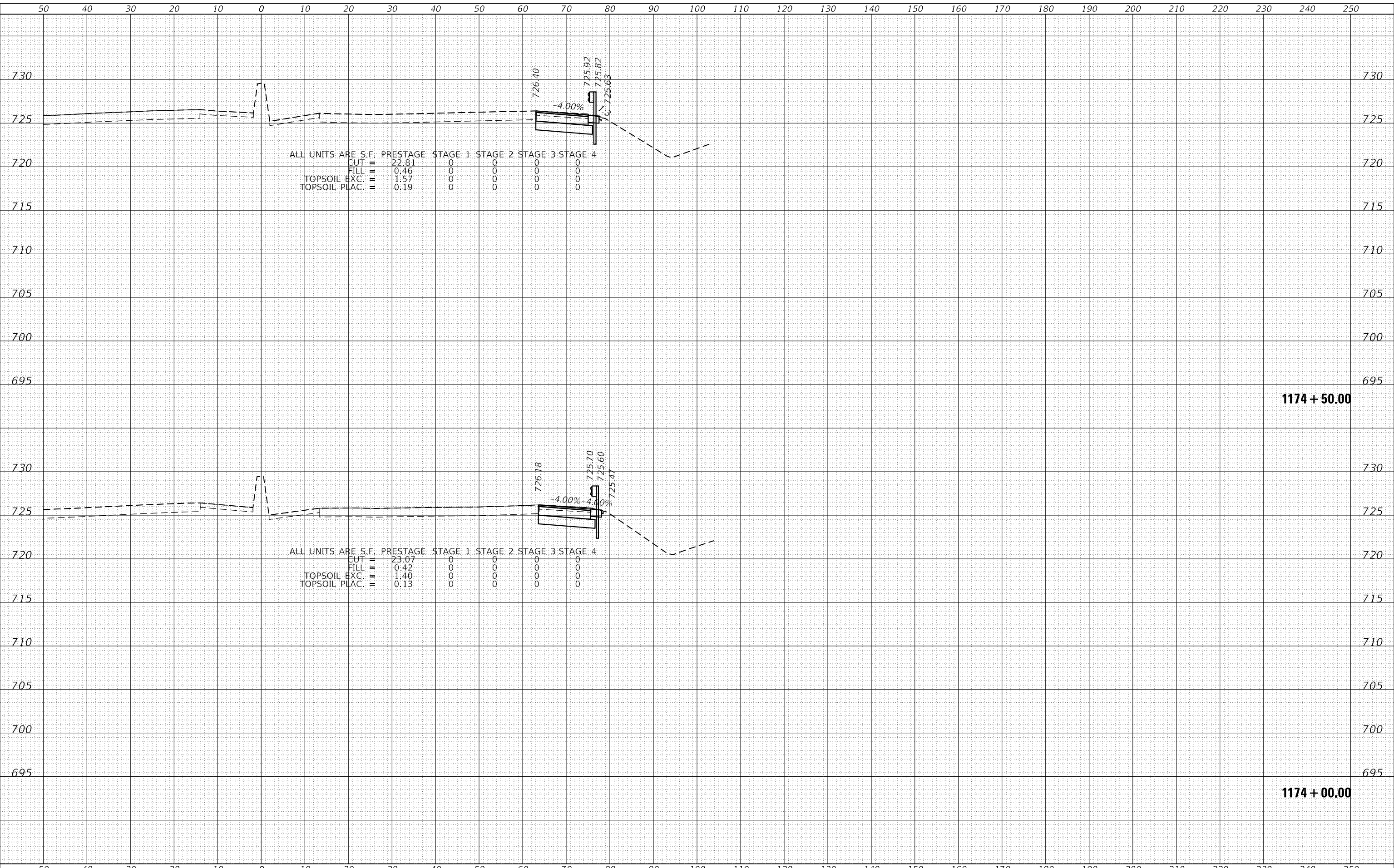
SCALE: 10-H 5-V SHEET 62 OF 286 SHEETS STA. 1173+00.00 TO STA. 1173+50.00

| | | | | |
|-------------|-------------|---------------------------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1095 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS FED. AID PROJECT | | |

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|------------------------------|------------|----------|
| USER NAME = StevenB | DESIGNED - | REVISD - |
| | DRAWN - | REVISD - |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - | REVISD - |
| PLOT DATE = 12/13/2024 | DATE - | REVISD - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

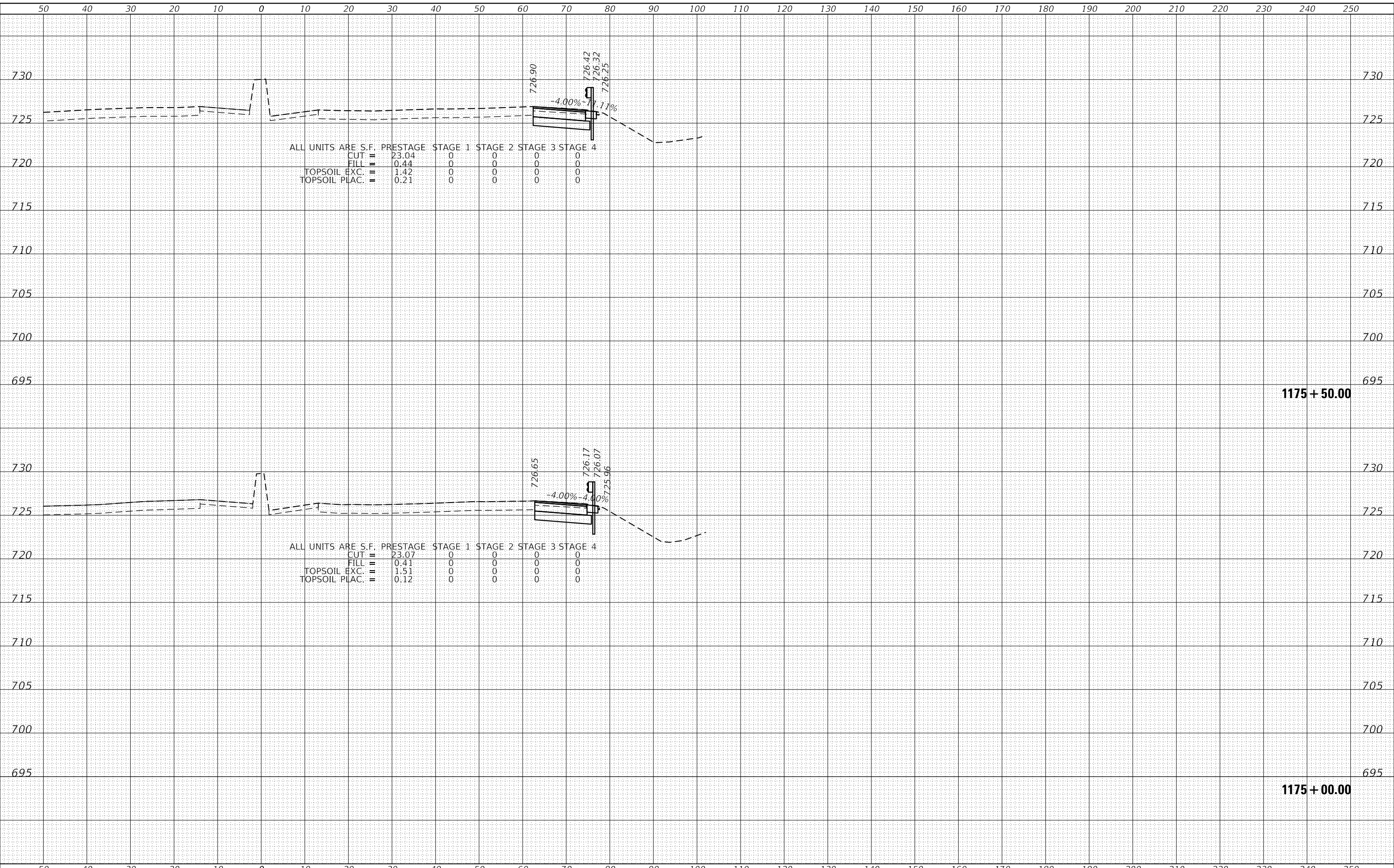
SCALE: 10-H 5-V SHEET 63 OF 286 SHEETS STA. 1174+00.00 TO STA. 1174+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1096 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

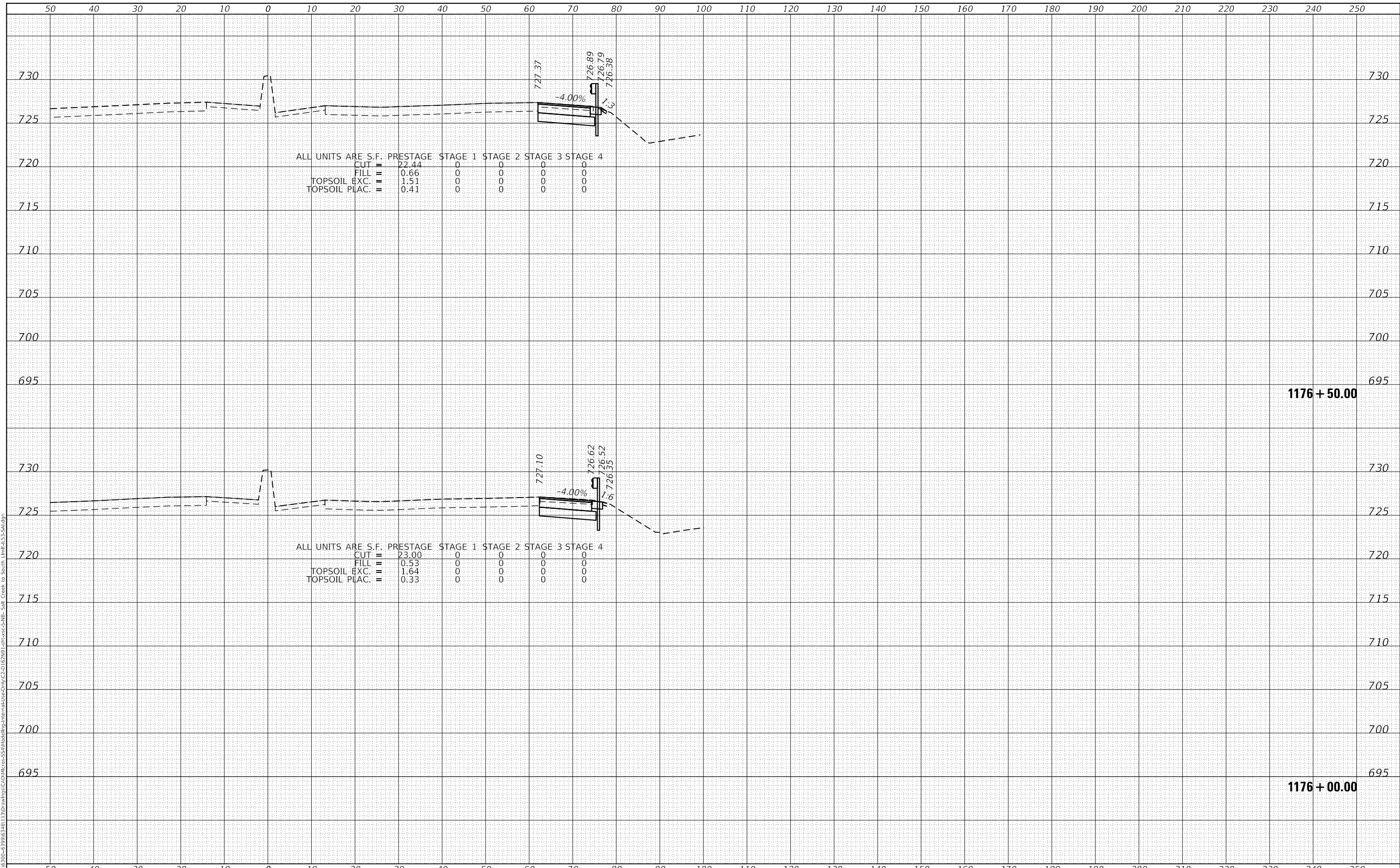
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

SCALE: 10-H 5-V SHEET 64 OF 286 SHEETS STA. 1175+00.00 TO STA. 1175+50.00

| | | | | |
|-------------|-------------|--------|---------------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1097 |
| | | | CONTRACT NO. 62N91 | |
| | | | ILLINOIS FED. AID PROJECT | |

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



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

| | | | | | |
|------------|------------------|----------|---|---------|---|
| USER NAME | = StevenB | DESIGNED | - | REVISED | - |
| | | DRAWN | - | REVISED | - |
| PLOT SCALE | = 20.0000' / in. | CHECKED | - | REVISED | - |
| PLOT DATE | = 12/13/2024 | DATE | - | REVISED | - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
CROSS SECTIONS**

SCALE: 10-H 5-V SHEET 65 OF 286 SHEETS STA. 1176+00.00 TO STA. 1176+50.00

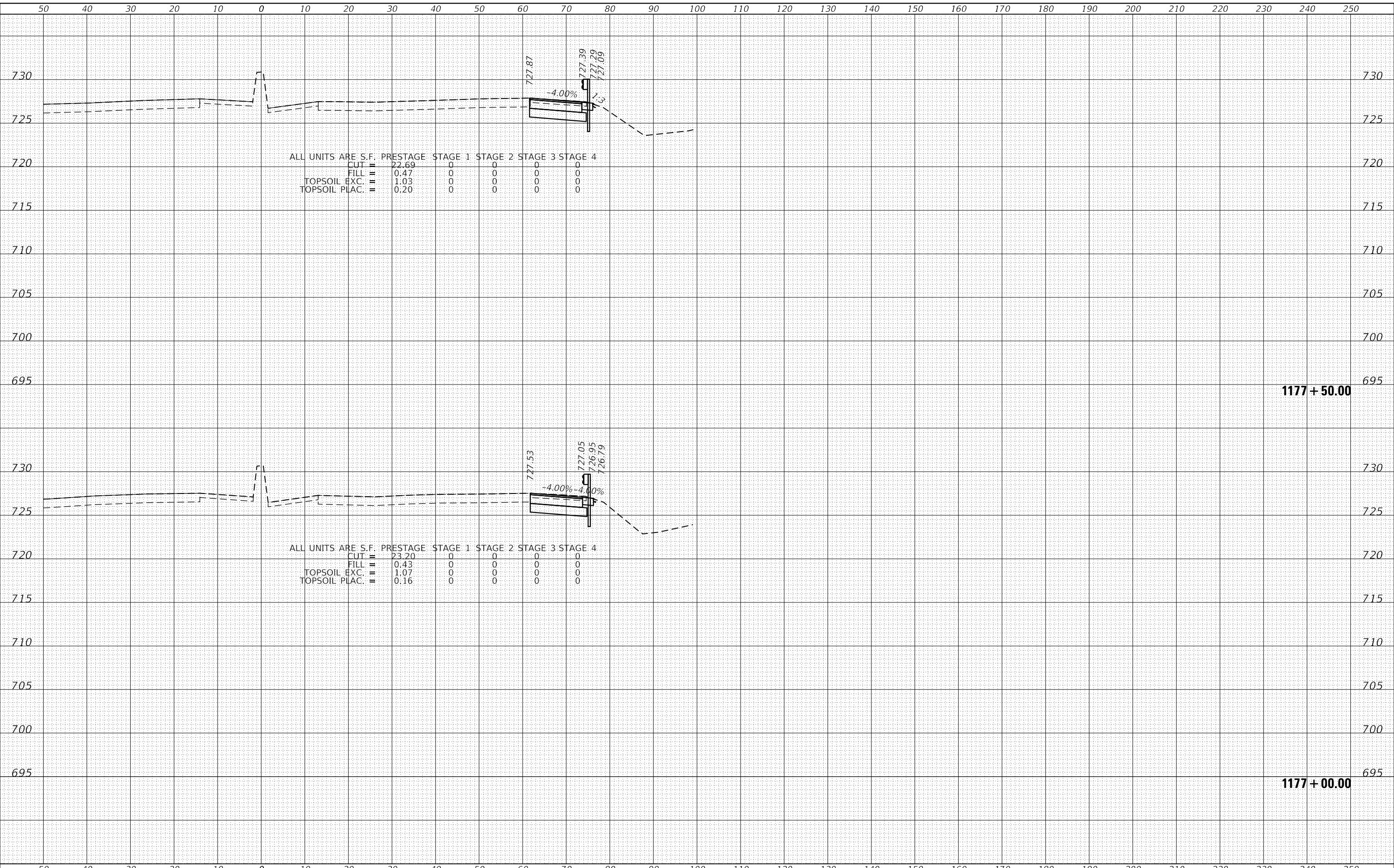
| | | | | |
|---------------------------|-------------|--------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1098 |
| CONTRACT NO. 62N91 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

MODEL: Defaulr
FILE NAME: S:\01\6300-6399\6346-1130\Drawings\CAD\Drawings\Internal\Pre-Chk\C2-D162\NFI_sht-xxc-5-NB_Sht_Creek to South Limit.dwg

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\CAD\Internal\Pre-Drawn\C2-D162\N1_1st-sec-5-NB_Sit_Creek to South Limit\LS-Sal.dgn



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB IL ROUTE 53
 CROSS SECTIONS

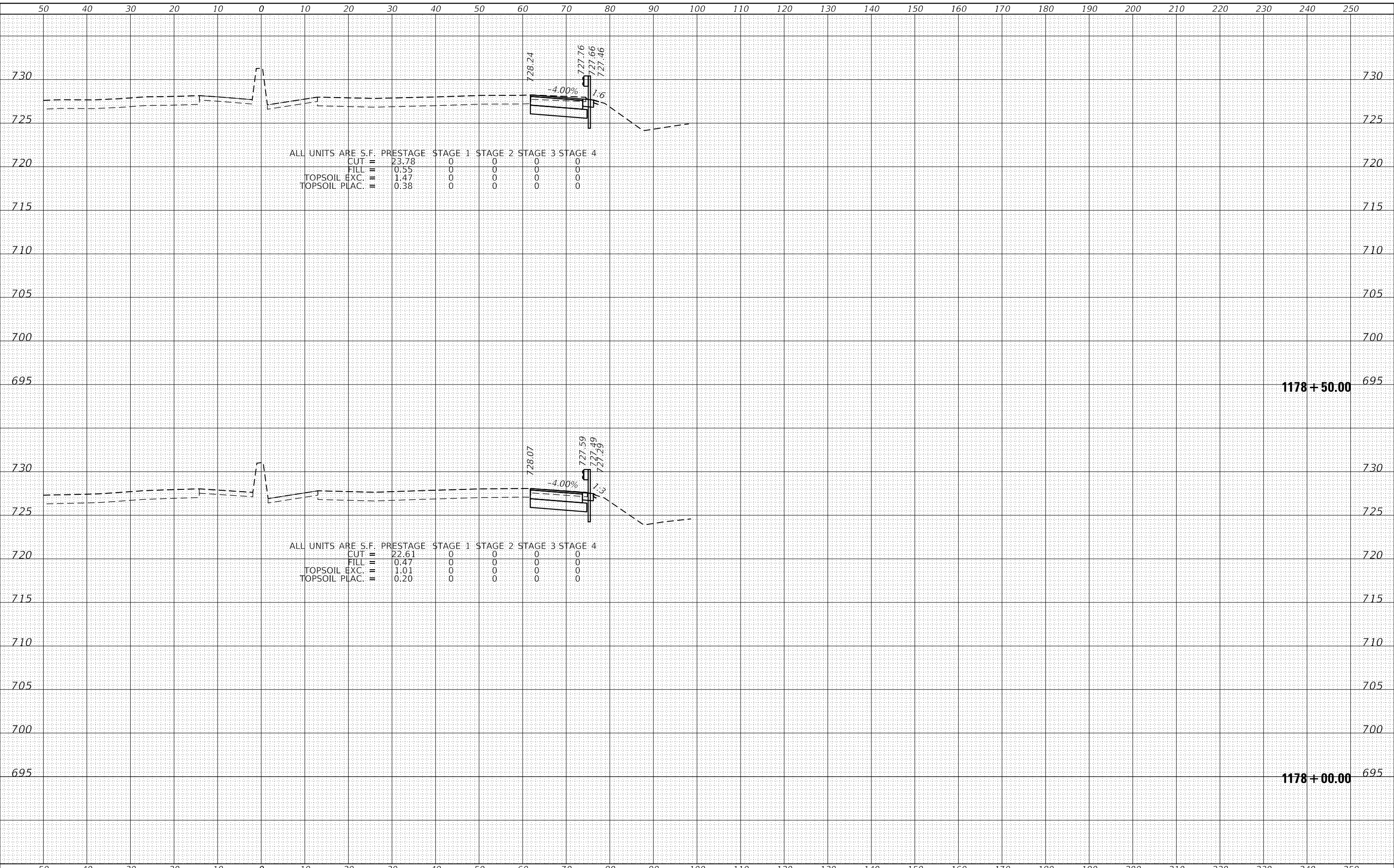
SCALE: 10-H 5-V SHEET 66 OF 286 SHEETS STA. 1177+00.00 TO STA. 1177+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1099 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346_113\Drawings\CAD\Drawings\C2-D162\NFI_113\cxs-5-NB_Sit_Creek_to_South_Limit\LS-Sal.dgn



ALL UNITS ARE S.F. PRESTAGE STAGE 1 STAGE 2 STAGE 3 STAGE 4

| | | | | | | |
|---------------|---|-------|---|---|---|---|
| CUT | = | 23.78 | 0 | 0 | 0 | 0 |
| FILL | = | 0.55 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 1.47 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0.38 | 0 | 0 | 0 | 0 |

ALL UNITS ARE S.F. PRESTAGE STAGE 1 STAGE 2 STAGE 3 STAGE 4

| | | | | | | |
|---------------|---|-------|---|---|---|---|
| CUT | = | 22.61 | 0 | 0 | 0 | 0 |
| FILL | = | 0.47 | 0 | 0 | 0 | 0 |
| TOPSOIL EXC. | = | 1.01 | 0 | 0 | 0 | 0 |
| TOPSOIL PLAC. | = | 0.20 | 0 | 0 | 0 | 0 |

SA
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

| | | |
|-----------------------------|------------|-----------|
| USER NAME = StevenB | DESIGNED - | REVISED - |
| | DRAWN - | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - |
| PLOT DATE = 12/13/2024 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NB IL ROUTE 53
 CROSS SECTIONS**

SCALE: 10-H 5-V SHEET 67 OF 286 SHEETS STA. 1178+00.00 TO STA. 1178+50.00

| | | | | |
|-------------|-------------|----------|--------------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 342 | 2018-100-BR | COOK | 1351 | 1100 |
| | | | CONTRACT NO. 62N91 | |
| | | ILLINOIS | FED. AID PROJECT | |