LETTING DATE 12/20/2022

Grading

IM-NHS-080-7(114)251--03-52

Johnson/Cedar COUNTY

INDEX OF SHEETS

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A.2	Location Map Sheet
B Sheets	**Typical Cross Sections and Details**
B.1 - 9	Typical Cross Sections and Details
C Sheets	**Quantities and General Information**
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C.1 - 4	Estimate Reference Information
C.5	Project Description
C.5	Standard Road Plans
C.5	Index of Tabulations
C.5	General Notes
C.6 - 13	Tabulations (beg. with tab. of incidentals if needed)
CD Sheets	**Drainage Tabulations**
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CS Sheets	**Soils Tabulations**
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J.1	Staging Notes Stage
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* J.3 - 4	Staging and Traffic Control Sheets
* J.5	Lane Closure Map District 6
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	* Color Plan Sheets

IOWA DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

INTERSTATE ROAD SYSTEM

Johnson/Cedar COUNTY

Grading

0.5 mi E of Wapsi Ave to W of Co Rd X30 (EB) and 0.3 mi E of X30 to 0.9 mi E of X30 (WB)

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811 Know what's below. Call before you dig.

REVISIONS

TOTAL
516

PROJECT IDENTIFICATION NUMBER
52-0807-114
PROJECT NUMBER
IM-NHS-080-7(114)251--03-52
R.O.W. PROJECT NUMBER
IMN-080-7(118)248-0E-52
IMN-080-7(126)254-0E-18

Preliminary 08-30-2022

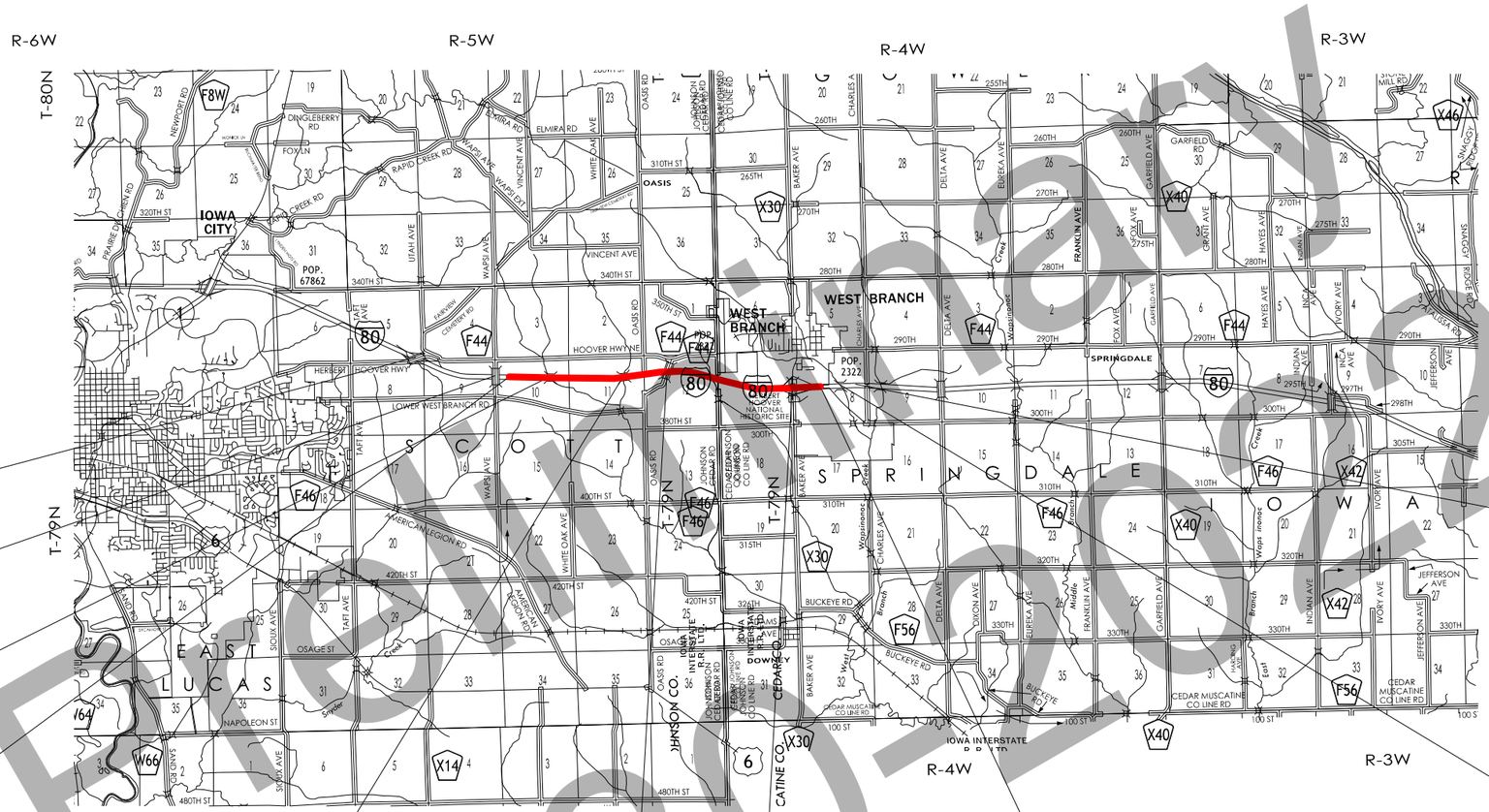
INDEX OF SEALS

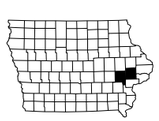
SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	Yanxiao Jia	Primary Signature Block	C.1-C.6, RC.1-RC.3
CD.1	Jimmy Ellis	Hydraulic Engineer	CD.1
CS.1	John A. Christiansen	Geotechnical Engineer	CS.1

PRELIMINARY PLANS

Subject to change by final design.

DM5 PLAN – Date: 08/30/2022





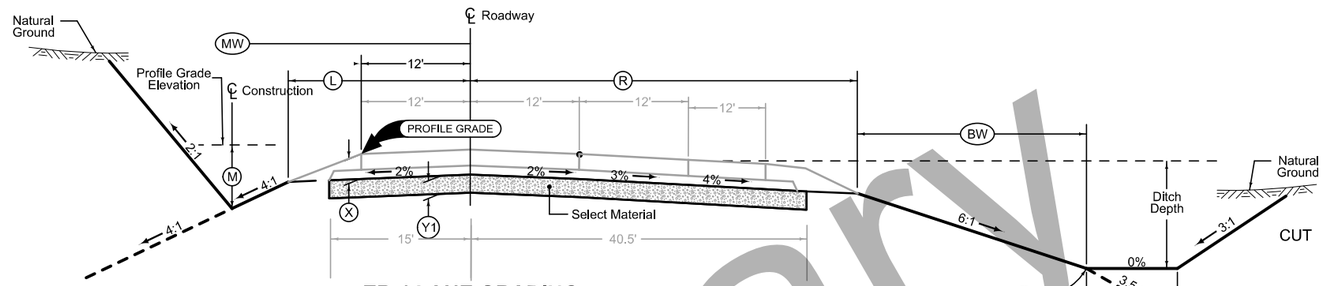
LOCATION MAP SCALE
0 1 2 3
Miles

Preliminary
08-30-2022

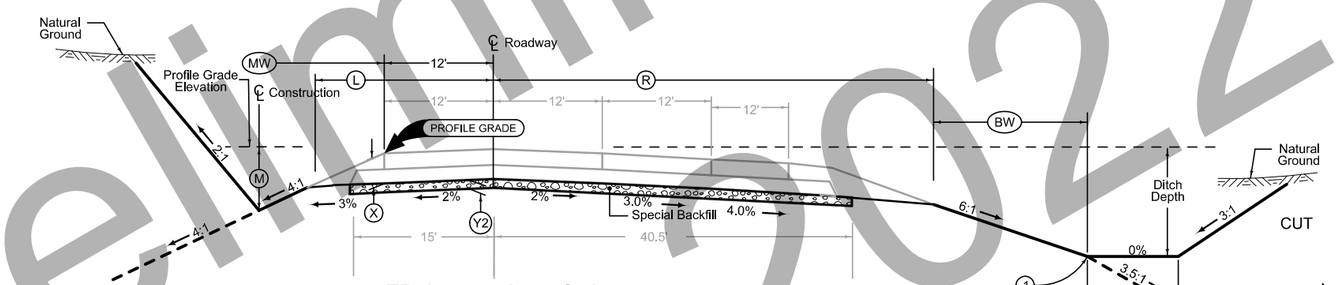
FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER A.2

G_4D_Grade_Delay_S
Modified

DESIGNER INFO



EB 4 LANE GRADING
(Delayed Paving - Select Soil) 4



EB 4 LANE GRADING
(Delayed Paving - Special Backfill) 2
(Optional)

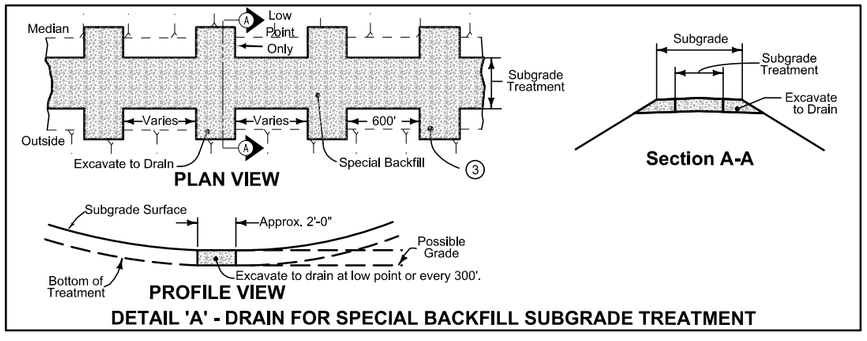
Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

See Plan & Profiles sheets and cross sections for additional details of ditches and backslopes.

Quantity calculations based on Select Soil.

1. Refer to project plan and cross sections for specific location of foreslope change.
2. See Detail 'A'
3. Excavate a portion of subgrade as necessary to provide drainage for the treatment. The additional excavation and Special Backfill for outlets is incidental and will not be paid for separately.
4. Compaction with Moisture Control for Select Soil is required. Maintain moisture content within limits specified in Article 2107.03,H,1 of the Standard Specifications.

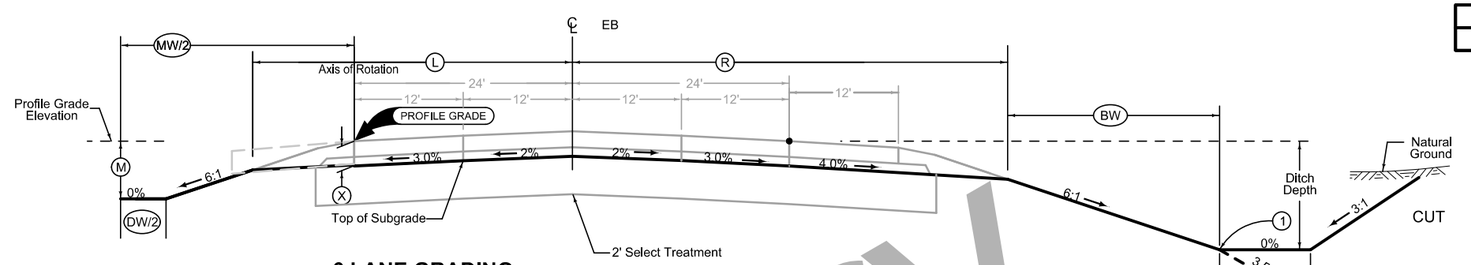
LOCATION			DIMENSIONS							
ROAD IDENTIFICATION	STATION TO STATION		L Feet	R Feet	X Inches	BW Feet	MW Feet	M Feet	Y1 Inches	Y2 Inches
I-80	1274+50.00	1369+20.00	18.82	50	18	14.7	8	3.5	24	12
	1372+90.00	1427+08.94	18.82	50	18	14.7	8	3.5	24	12



DETAIL 'A' - DRAIN FOR SPECIAL BACKFILL SUBGRADE TREATMENT

Preliminary 08-30-2022

88 Median
Modified



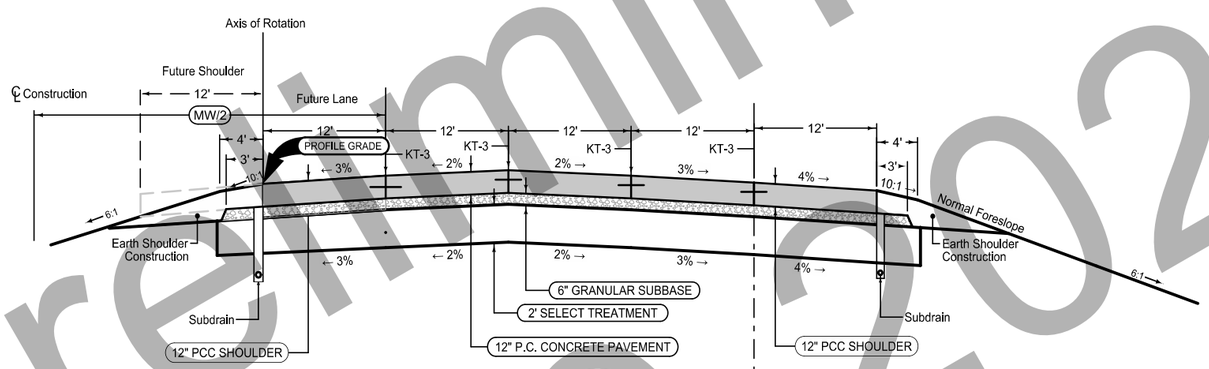
6 LANE GRADING
(Depressed Median)

Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

See Plan & Profiles sheets and cross sections for additional details of ditches and backslopes.

(1) Refer to project plan and cross sections for specific location of foreslope change.

LOCATION			DIMENSIONS						
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	(BW) Feet	(MW) Feet	(M) Feet	(DW) Feet
I 80	1274+50.00	1427+08.94	38.6	50	18	14.7	88	4	10



6 LANE PAVING
(Depressed Median)

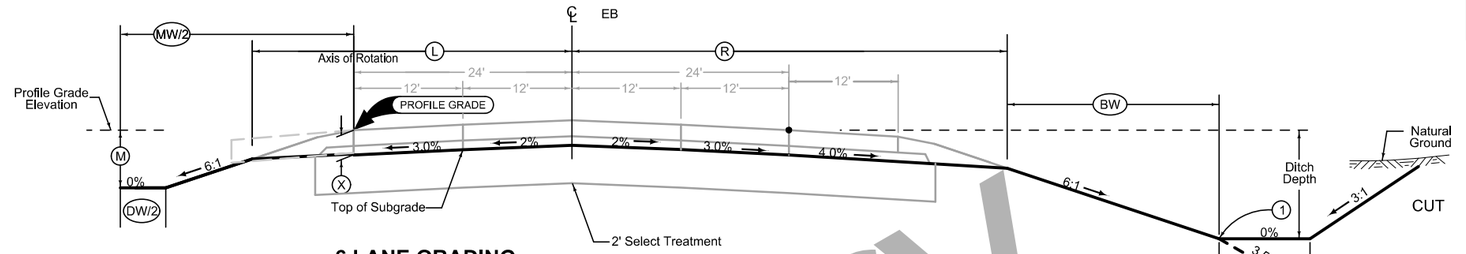
Preliminary
08-30-2022

See Tab 100-24 or 100-25 for pavement quantities.

See Tab 112-9 for shoulder quantities.

I-80 EB/WB 88' Median
Information Only

50 Median
Modified



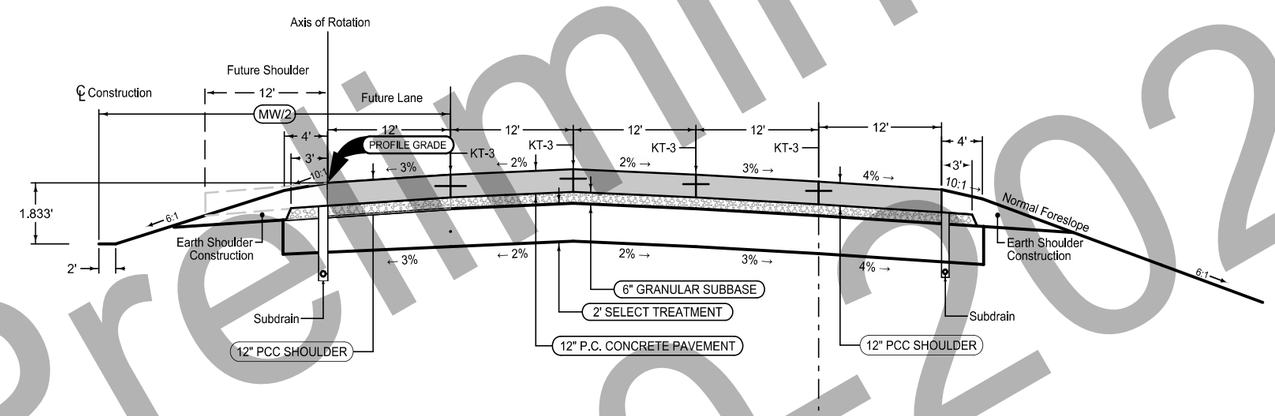
6 LANE GRADING
(Depressed Median)

Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

See Plan & Profiles sheets and cross sections for additional details of ditches and backslopes.

(1) Refer to project plan and cross sections for specific location of foreslope change.

LOCATION			DIMENSIONS						
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	(BW) Feet	(MW) Feet	(M) Feet	(DW) Feet
I 80	1444+27.62	1503+00.00	35	50	18	14.7	50	1.833	4



6 LANE PAVING
(Depressed Median)

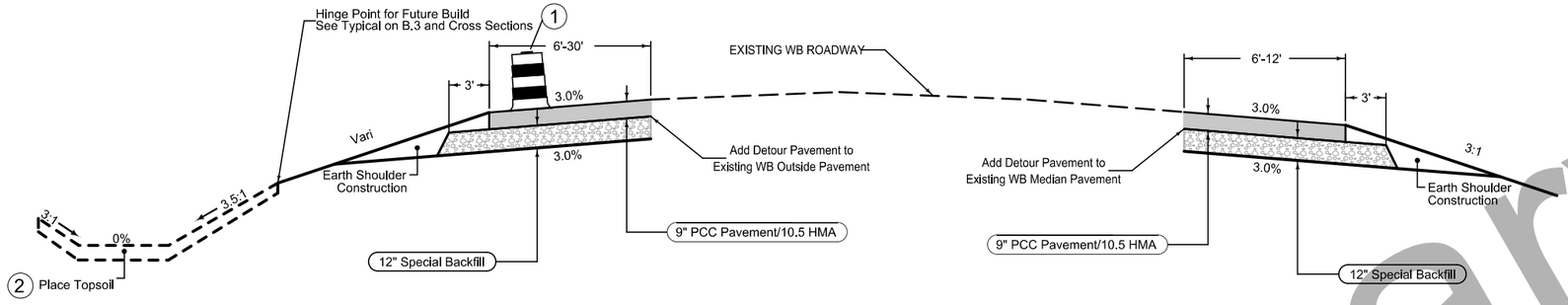
Preliminary
08-30-2022

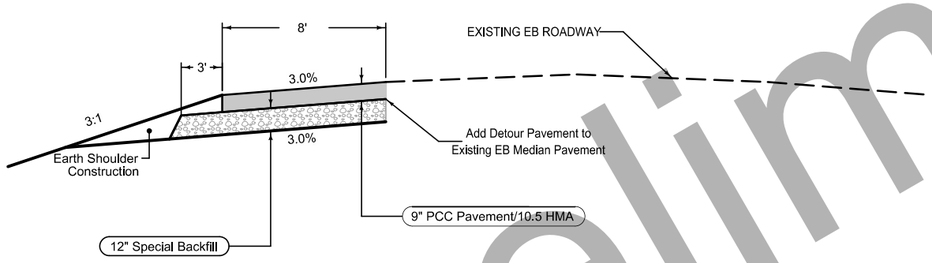
See Tab 100-24 or 100-25 for pavement quantities.

See Tab 112-9 for shoulder quantities.

I-80 EB/WB 50' Median
Information Only

DE_PAVE





Detour Pavement

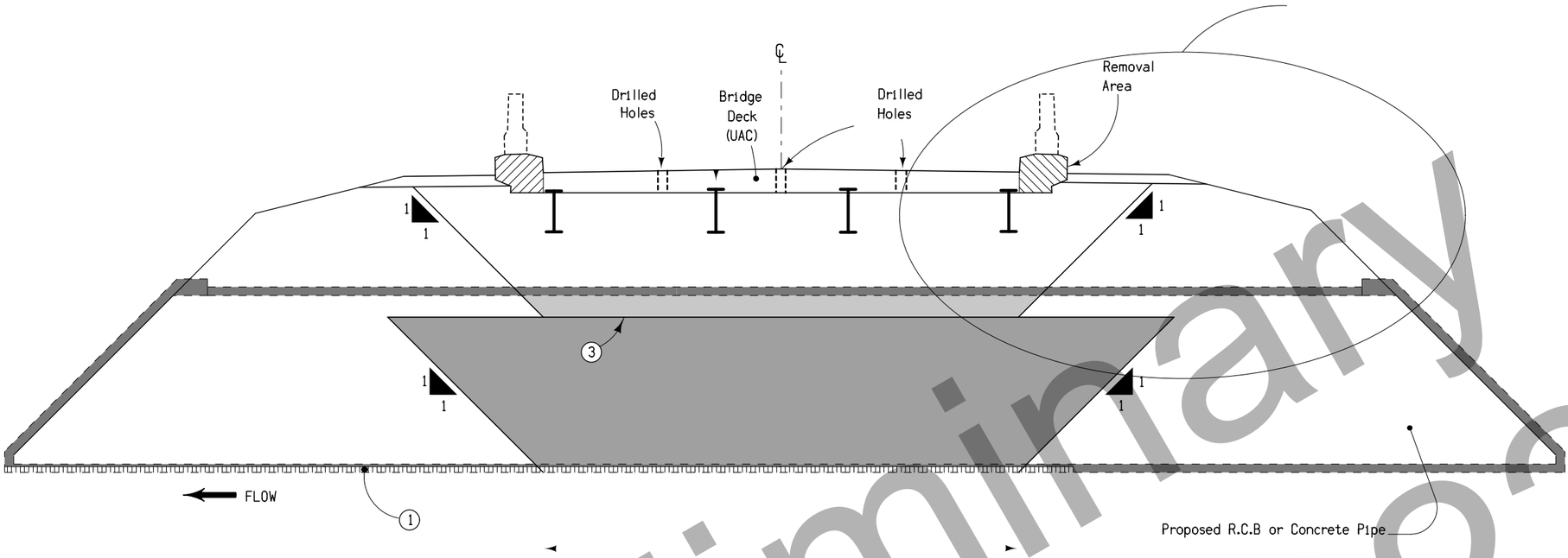
Shoulder Jointing:
Longitudinal joint: L-2 or KT-2
Transverse joints: C at 17' spacing

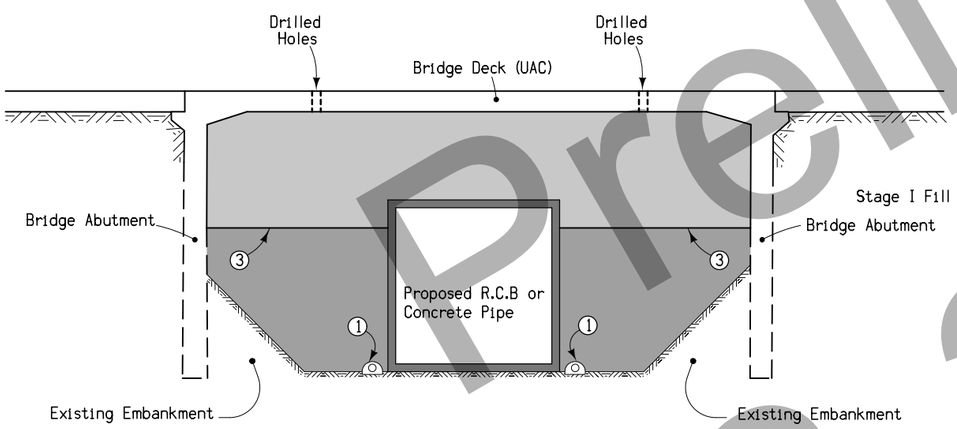
Direction of Travel	BEGIN STATION	END STATION	DETOUR PAVEMENT (SY)	SPECIAL BACKFILL (CY)	Place Topsoil On Foreslope 2	Custom Earth Shoulder Construction (STA)
WB/O	1417+03.35	1452+19.82	5,642.9	2,300.9	No	35.2
WB/O	1455+22.77	1476+28.12	4,251.6	1,670.7	No	21.1
WB/O	1482+77.49	1516+62.68	8,399.3	3,651.7	Yes	33.9
WB/Med	1426+53.14	1481+90.32	10,893.7	4,295.0	No	55.4
WB/Med	1490+73.98	1504+24.98	2,001.8	829.9	No	13.5
EB/Med	1493+50.00	1502+30.00	777.6	358.6	No	8.8
		Totals:	31,966.9	13,106.8		167.9

1 Place drum 16' from inside edge of detour pavement. Place only where pavement is 16' or wider. Incidental to Traffic Control.

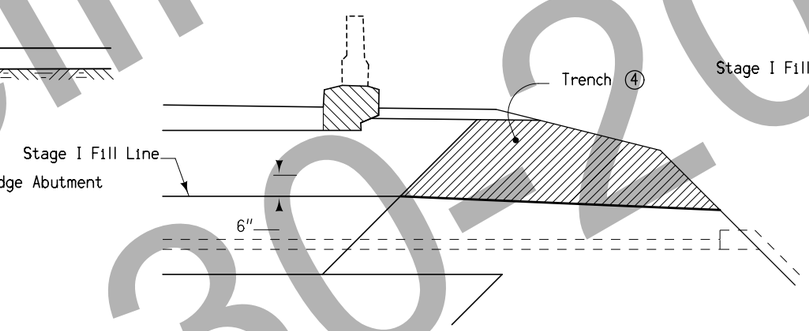
Preliminary
08-30-2022

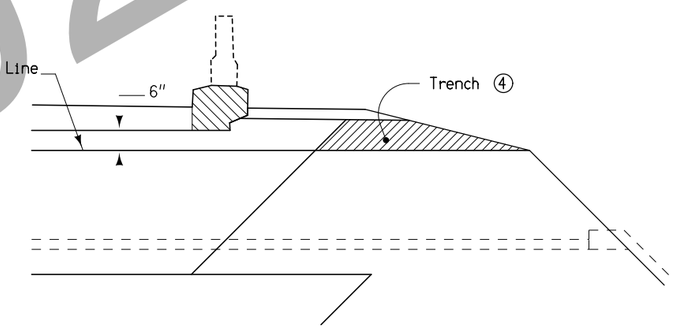
TRAIL
Custom

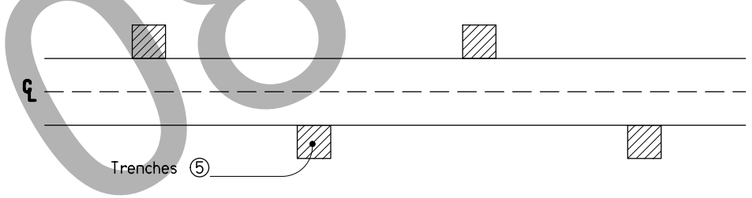




Section along Centerline







Trench Layout

Denotes pay limits for flowable mortar

Denotes pay limits for flooded backfill

① 4″ Subdrain at flowline elevation of culvert with 4″ cover of porous backfill.

② Place Flange Filler Material to fill pocket area between flanges to prevent flowable mortar from building up. Flange Filler Material is incidental to flowable mortar.

③ Fill void with the maximum amount of Floodable Backfill possible. Distance from Floodable Backfill to bridge beams (when present) or bridge deck shall not exceed 5′.

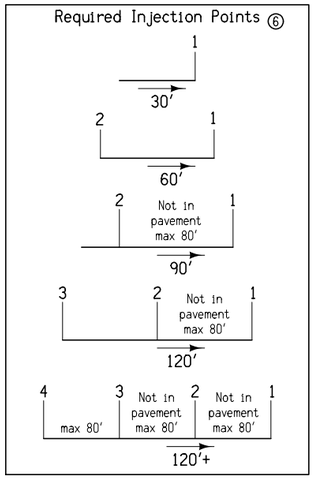
④ Cut trenches in the soil plug to provide drainage for the flowable mortar. Backfill the trenches with open graded crushed stone, gravel, or recycled PCC to allow water to drain. Backfill material is incidental to flowable mortar.

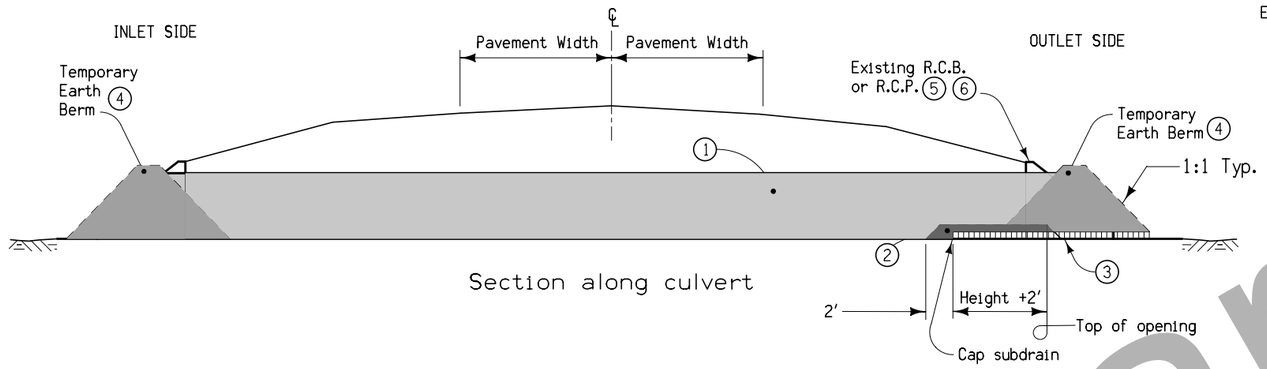
⑤ Place trenches at 20′ spacing with a minimum of two trenches on each side of the roadway.

FILL FOR CULVERT USED IN BRIDGE REPLACEMENTS

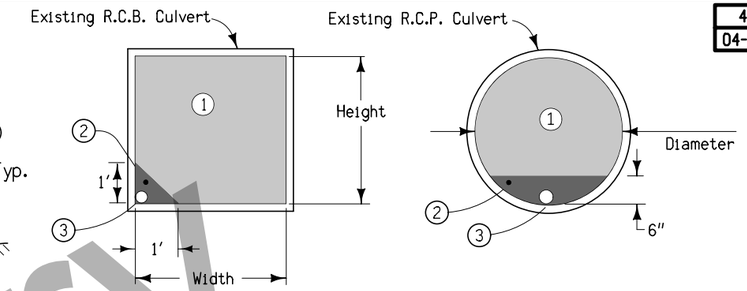
Preliminary 08-30-2022

4315
04-15-08





Section along culvert



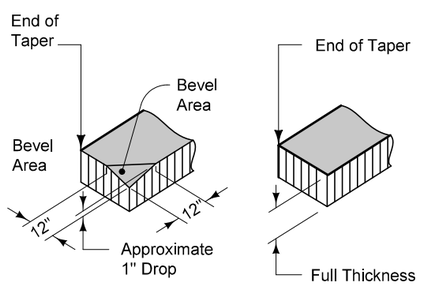
Section thru culvert

① Flowable Mortar.
② Granular Backfill.
③ 4″ subdrain at flowline elevation of culvert shall be extended into the culvert a distance of 2′ plus the height of the culvert. Granular Backfill covers subdrain and extends an additional 2′. Subdrain and granular backfill are incidental to flowable mortar.
④ Ends of culvert shall be plugged sufficiently to retain flowable mortar. Temporary earth berms are incidental to flowable mortar.
⑤ Removal of headwalls may be required.
⑥ Outlet shall be filled first. See injection point detail for additional information.

DETAILS OF CULVERT ABANDONMENT WITH FLOWABLE MORTAR
(Rectangular structures less than 8′ in either height or width.
Circular structures less than 10′ Dia.)

Preliminary
08-30-2022

7101
10-19-10



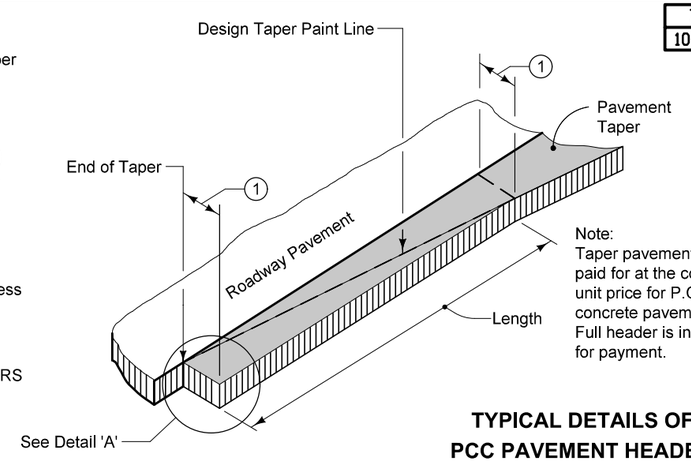
DETAIL 'A'

FOR GRANULAR SHOULDERS

DETAIL 'A'

FOR PAVED SHOULDERS

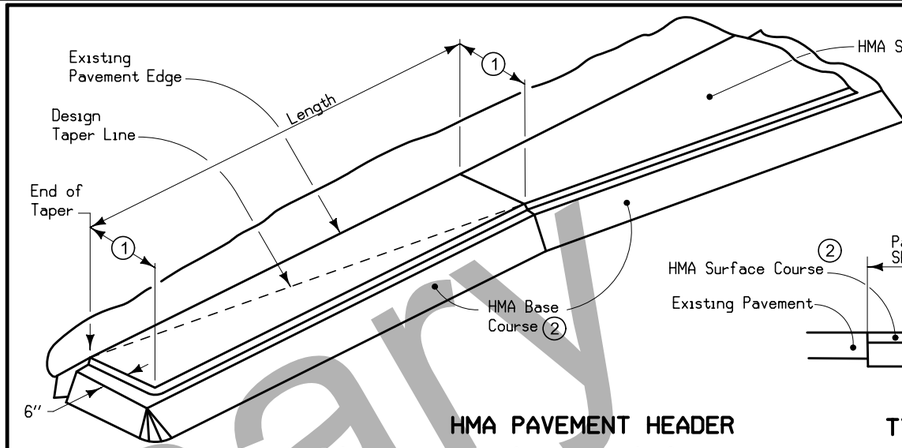
(1) Normal width is 2'-0". Construct 4'-0" width when butting into 4' wide HMA shoulders (See Typical 7154A).



Note:
Taper pavement to be paid for at the contract unit price for P.C. concrete pavement. Full header is included for payment.

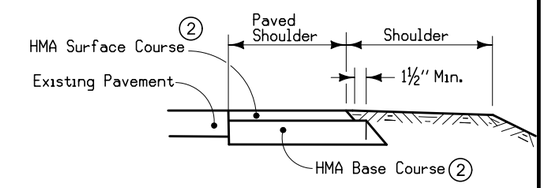
TYPICAL DETAILS OF PCC PAVEMENT HEADER

7102
04-21-15



(1) 4 foot minimum or match existing or proposed paved shoulder.

(2) Construct with normal slopes.



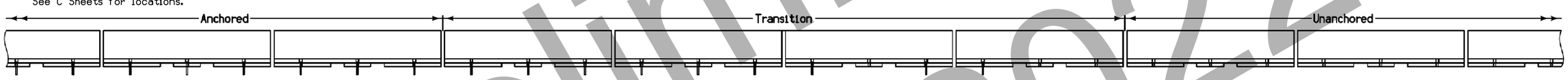
HMA PAVEMENT HEADER

TYPICAL SECTION

Refer to project plans for exact details of pavement requirements.

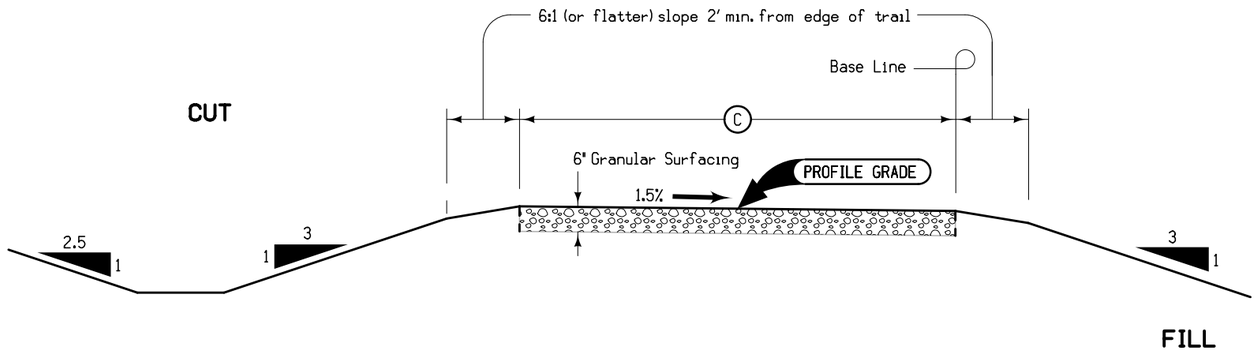
U2PTBR

Transition from unpinned to pinned TBR at trailing end of project.
See C Sheets for locations.



Preliminary
08-30-2022

7402
MODIFIED



STATION TO STATION		PAVEMENT TYPE PCC, HMA, or option	C Feet		10' DITCH Left	10' DITCH Right
85+75.00	92+85.00	Granular	12			

TYPICAL CROSS SECTION
RECREATIONAL TRAIL
GRANULAR SURFACE

Preliminary
08-30-2022

SURVEY SYMBOLS

- Interstate Highway Symbol
- U.S. Highway Symbol
- Iowa Highway Symbol
- County Road Highway Symbol
- Evergreen Tree
- Deciduous Tree
- Fruit Tree
- Shrub (Bushes)
- Timber
- Hedge
- Stump
- Swamp
- Rock Outcrop
- Broken Concrete
- Revetment (Rip Rap)
- Cemetery
- Grave
- Cave
- Sink Hole
- Board Fence
- Chain Link or Security Fence
- Wire Fence
- Terrace
- Earth Dam or Dike (Existing)
- Tile Outlet
- Edge of Water
- Existing Drainage
- Right of Way Rail or Lot Corner
- Concrete Monument
- Well
- Windmill
- Beehive Intake
- Existing Intake
- Existing Utility Access (Manhole)
- Fire Hydrant
- WH Water Hydrant (Rural)
- Septic Tank
- C Cistern
- LP L.P. Gas Tank (No Footing)
- UST Underground Storage Tank
- Latrine
- Satellite TV Dish
- WHU Water Hook Up
- RT Radio Tower
- TA Tower Anchor
- Guardrail (Beam or Cable)
- GP Guard Post (one or two)
- Guard Post (over two)
- FP Filler Pipe
- GV Gas Valve
- WV Water Valve
- SL Speed Limit Sign
- MM Mile Marker Post
- SIGN Sign
- TCB Traffic Signal Control Box
- RRB Rail Road Signal Control Box
- TSB Telephone Switch Box
- EB Electric Box

UTILITY LEGEND

— E1 — EL1D Alliant Energy QLC
— G — GL1D Alliant Energy
PPA Alliant Energy
Mary Montgomery
PO Box 351
Cedar Rapids, IA 52406-9874
(319) 786-4768
MaryMontgomery@alliantenergy.com

— E2 — EL2D Linn County REC QLC
Kevin Stucker
5695 REC Dr.
Marion, IA 52302
(319) 377-1587
kstucker@linncountyrec.com

— E3 — EL3D Mid American Electric QLC
PPC Mid American Electric
Jason Warren
1630 Lower Muscatine Rd
Iowa City, IA 52240
(319) 341-4425
jlwarren@midamerican.com

— G4 — GL4D Mid American Electric QLC
— G4HP — GH4D Mid American Electric
Joe Retek
1630 Lower Muscatine Rd
Iowa City, IA 50501
(319) 341-4457
jjretek@midamerican.com

— W — WL1D City of West Branch QLC
—SAN.(C)— SA1C City of West Branch
—ST S(C)— ST1C City of West Branch
Matt Goodale
110 North Poplar St. PO Box 218
West Branch, IA 52358
(319) 643-5888
mgoodale@westbranchiowa.org

— FO7 — FO7D Iowa DOT QLC
— E4 — EL4D Iowa DOT
Jeff McCollough
800 Lincoln Way
Ames, IA 50010
(515) 239-1373
jeffry.n.mccollough

— G2HP — GH2D Enterprise Products Partners, LP QLC
— G2 — GL2D Enterprise Product Partners, LP
Matthew Baker
1015 N. Jefferson
Kearney, MO 64060
(816) 858-7810
mjbaker@eprod.com

— FO — FO1D AT&T QLC
Leny Vohs
1425 Oak Street
Kansas City, MO 64106
(816) 275-4014
lv2121@att.com

— T2 — TL2D Century Link QLC
— FO2 — FO2D Century Link
Steve Parker
2103 E. University Ave.
Des Moines, IA 50317
(515) 265-0968
Steven.Parker4@centurylink

— FO6 — FO6D Mediacom Communications Corporation QLC
— TV5 — TV5D Mediacom Communications Corporation
Tim Eagan
3210 Division St.
Burlington, IA 52655
(319) 208-1829
teagan@mediacomcc.com

— FO3 — FO3D Iowa Communications Network QLC
Mike Broderick
400 E 14th St Grimes State Office Building,
Des Moines, IA 50319
(515) 725-4610
Mike.Broderick@iowa.gov

— T4 — TL4D Liberty Communications QLC
— FO4 — FO4D Liberty Communications
Marcus Behnken
413 N. Calhoun St.
West Liberty, IA 52776
(319) 627-2145
behnken@corp.lcom.net

— FO5 — FO5D MCI/Verizon Business QLC
Jim Powers
2600 Westown PKWY Suite 100,
West Des Moines, IA 50266
(515) 380-2208
jim.powers1@Verizon.com

PPB Linn County REC QLC
Kim Colberg
5695 REC Dr.
Marion, IA 52302
(319) 377-1587
kcolberg@linncountyrec.com

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.		
Green	(2)		Existing Topographic Features and Labels
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)		Existing Utilities
SHADING	**Design Color No.**		
Lavender	(9)		Temporary Pavement Shading
Yellow	(4)		Proposed Pavement Shading
Orange	(6)		Proposed Granular Shading
Orange	(70)		Proposed Shoulder Granular Shading
Yellow	(68)		Proposed Shoulder Paved Full Depth Shading
Yellow	(132)		Proposed Shoulder Paved Partial Depth Shading
Gray, Dark	(112)		Proposed Grade and Pave Shading "In conjunction with a paving project"
Brown, Light	(236)		Grading Shading
Orange, Light	(134)		Proposed Granular Entrance Shading
Yellow	(220)		Proposed Paved Entrance Shading
Tan	(8)		Proposed Sidewalk Shading
Blue, Light	(230)		Proposed Sidewalk Landing Shading
Pink	(11)		Proposed Sidewalk Ramp Shading
Green, Light	(225)		Existing Pavement Shading
Red	(3)		Proposed Structure Shading

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.		
Green	(2)		Existing Ground Line Profile
Blue	(1)		Proposed Profile and Annotation
Magenta	(5)		Existing Utilities
Blue, Light	(230)		Proposed Ditch Grades, Left
Black	(0)		Proposed Ditch Grades, Median
Rust	(14)		Proposed Ditch Grades, Right

- Reference Point — Survey Line
- Station
- Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Trench Drain
- HighTension Cable Guardrail
- Sheet Pile
- Pavement Removal
- Clearing & Grubbing Area

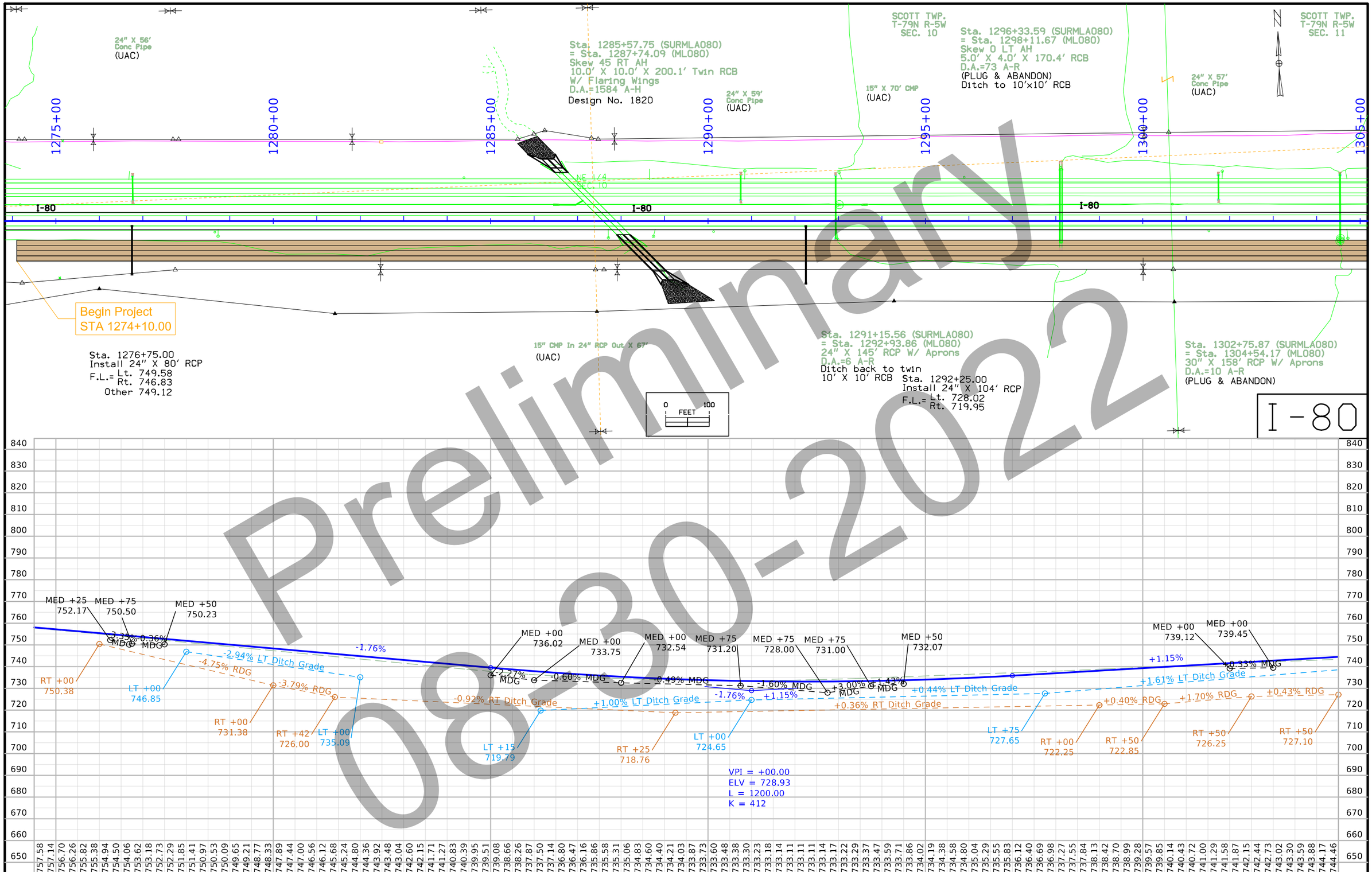
RIGHT-OF-WAY LEGEND

- Proposed Right-of-Way
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary)
- Easement
- C/A Access Control
- Property Line

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

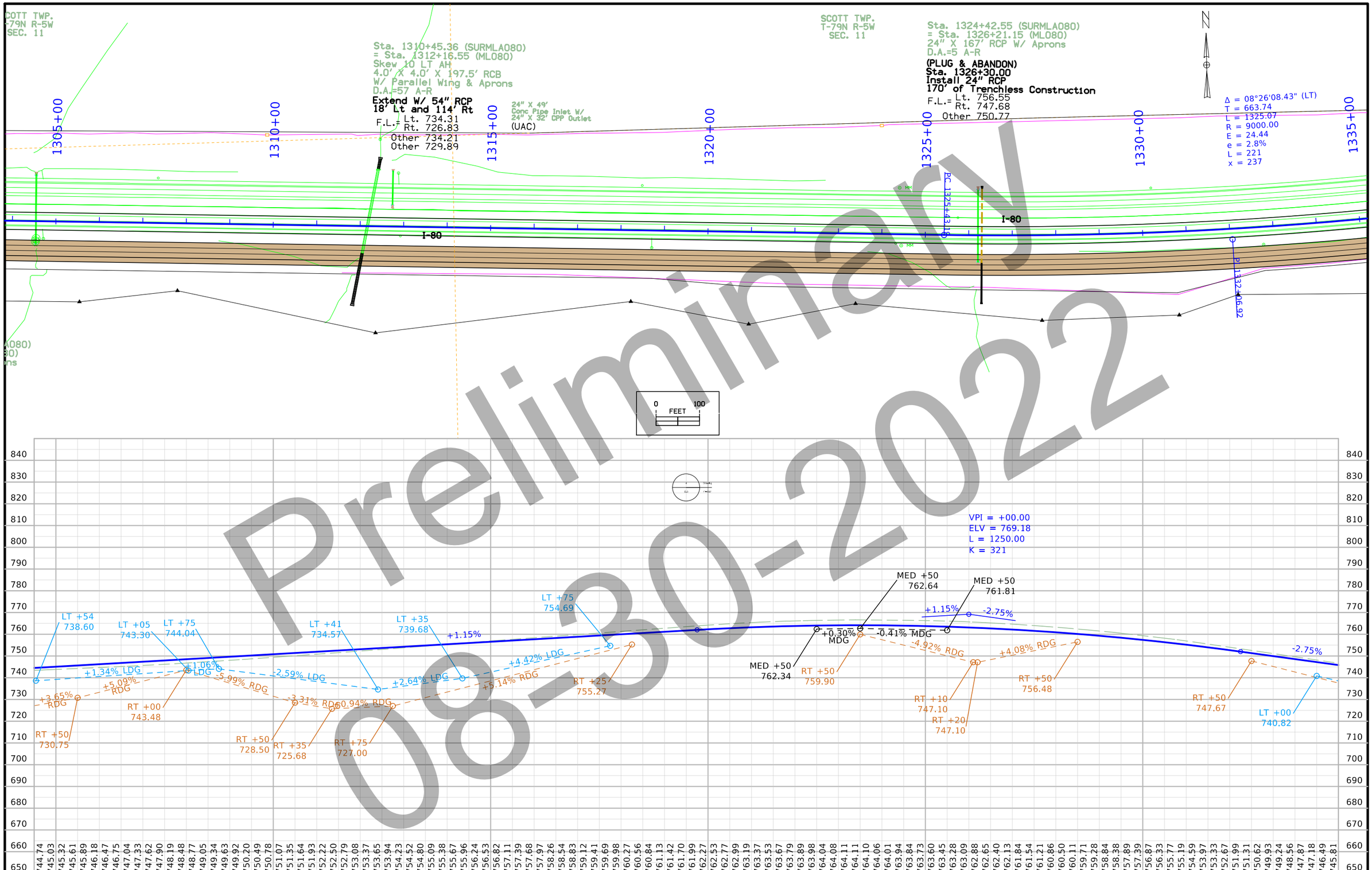
(COVERS SHEET SERIES D, E, F, & K)

Preliminary 08-30-2022



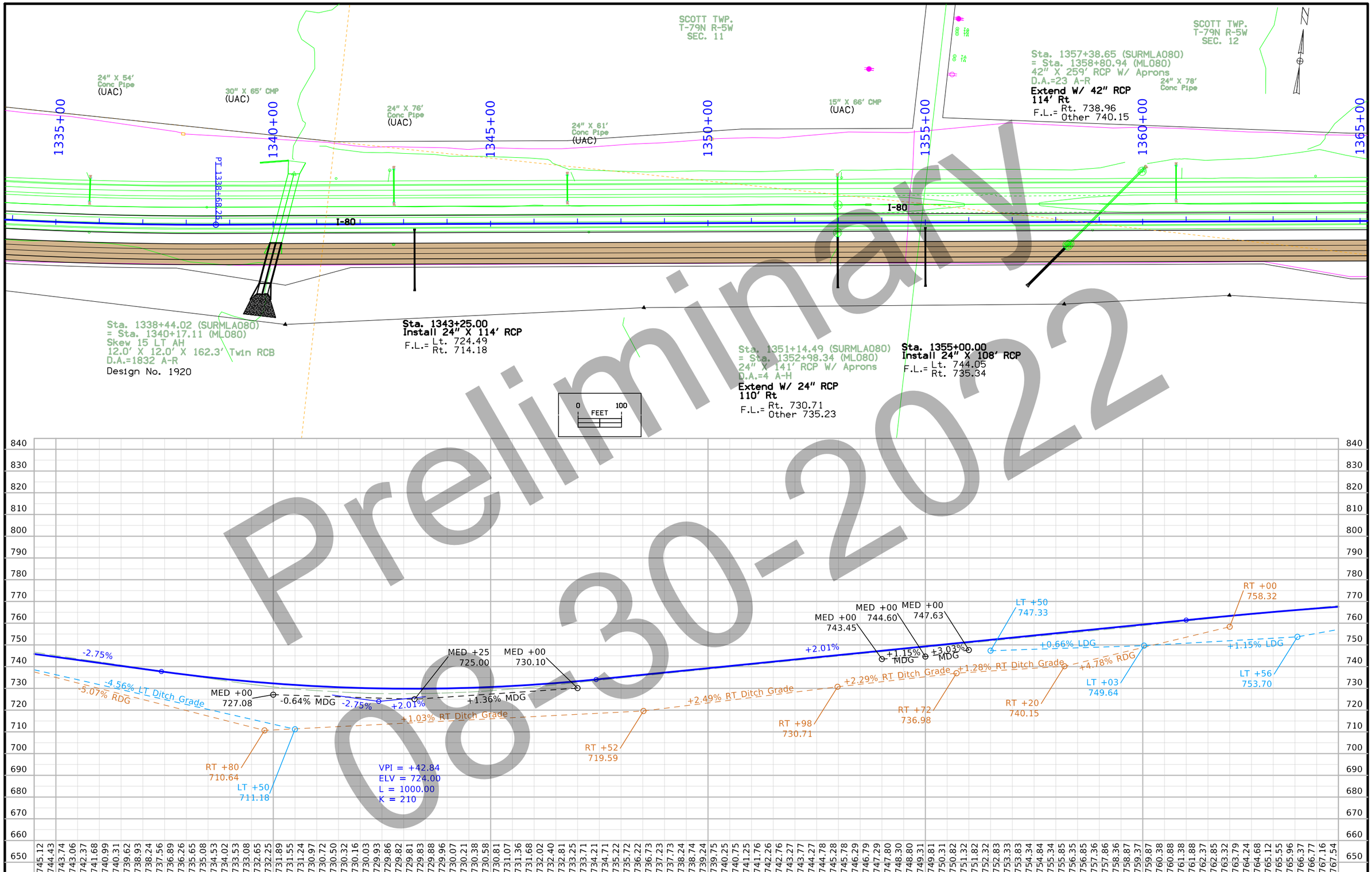
Preliminary 08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER D.2



Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER D.3



FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER D.4

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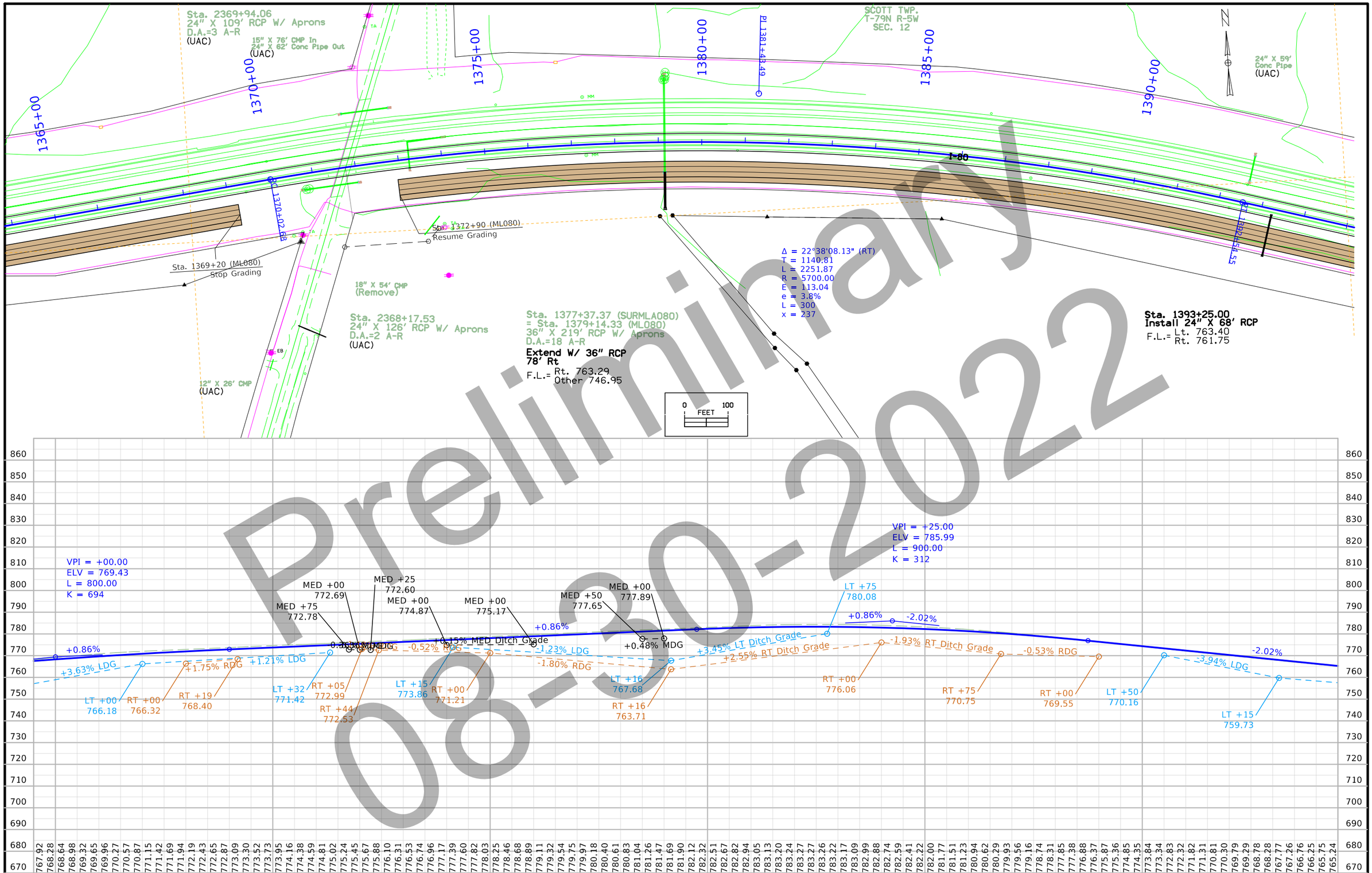
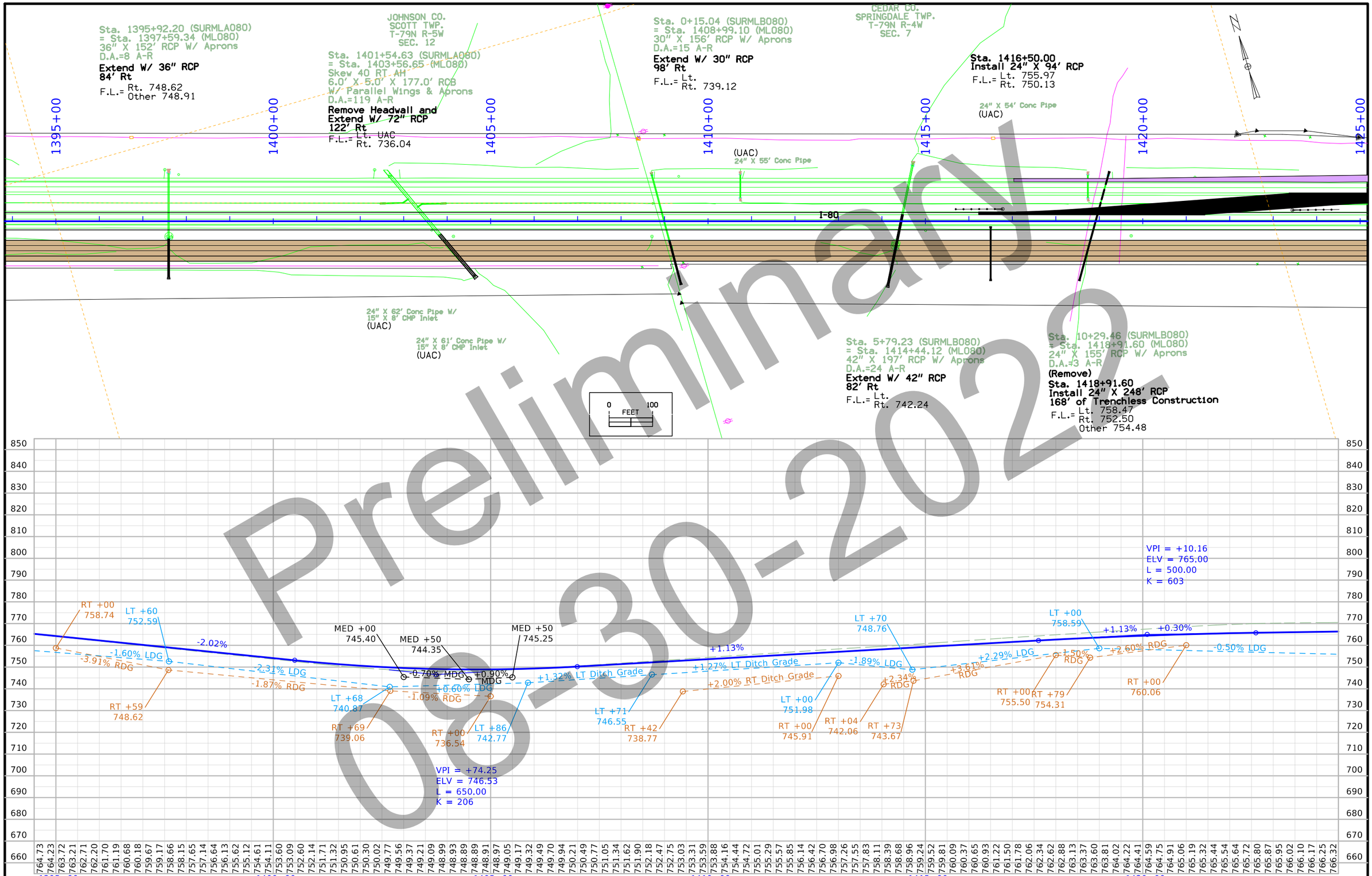


Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER D.5



Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER D.6

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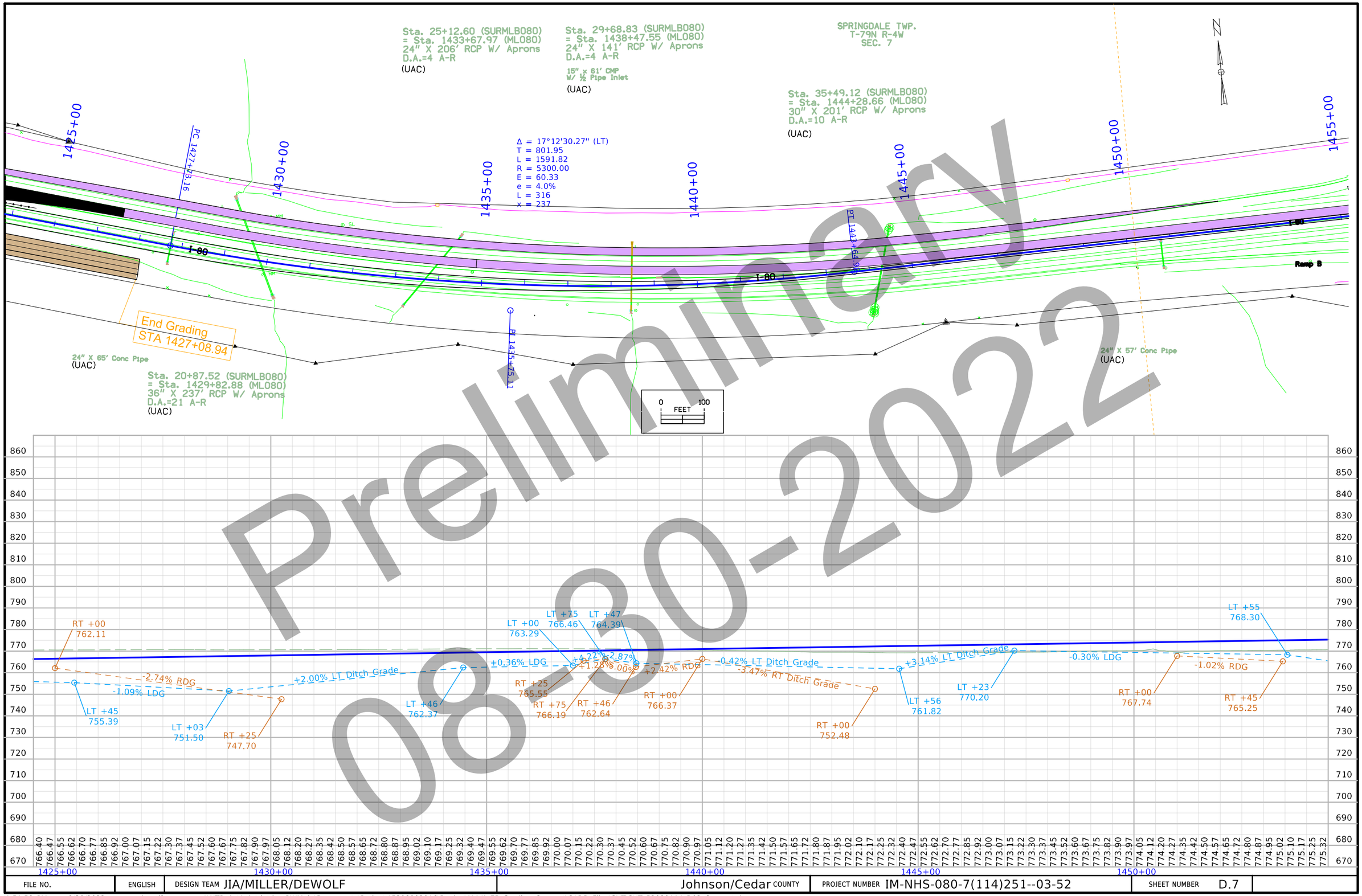

Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER D.7

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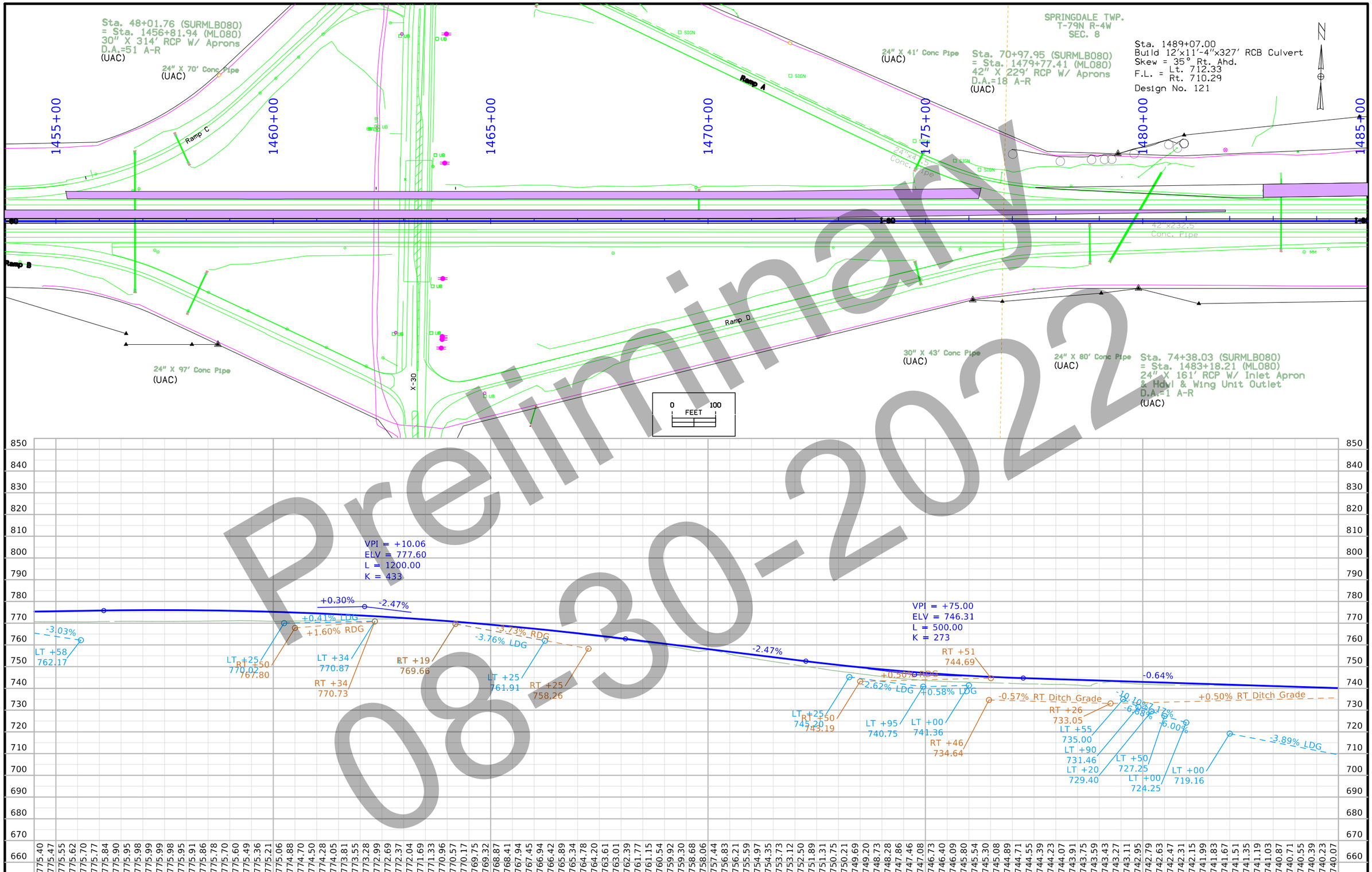

Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER D.8

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Sta. 1497+77.83
Build Triple 12'x12' RCB Extension (Left)
Skew =35° Rt. Ahd.
F.L. = Lt. 691.54
Rt. 691.54
Design No. 221

Sta. 91+95.69 (SURMLB080)
= Sta. 1500+75.87 (ML080)
24" X 165' RCP W/ Aprons
D.A.=8 A-R
(UAC)

SPRINGDALE TWP.
T-79N R-4W
SEC. 8

N

1485+00 1490+00 1495+00 1500+00 1505+00 1510+00 1515+00

PI 1512+49.43

BC 1505+77.97

Sta. 88+97.74 (SURMLB080)
= Sta. 1497+78.99 (ML080)
Skew 35 RT AH
12.0' X 12.0' X 231.0' Triple RCB
D.A.=7.9 SQ MI A-R

Sta. 1497+77.83
Build Triple 12'x12' RCB Extension (Right)
Skew = 35° Rt. Ahd.
F.L. = Lt. 690.51
Rt. 690.24
Design No. 2020

24" X 63' Conc Pipe
(UAC)

24" X 55' Conc Pipe
(UAC)

15" X 162' CMP Inlet
15" X 16' CMP
24" X 59' Conc Pipe Outlet
(UAC)

0 FEET 100

Preliminary
08-30-2022

VPI = +25.00
ELV = 737.03
L = 500.00
K = 348

-0.64% -2.08% -2.08% +0.56% +0.51% +3.17% LDG +3.68% +4.72% +2.41% +1.50% LDG

6.39% RT Ditch Grade

-0.97% LT Ditch Grade

-2.31% RDG

-0.50% LT Ditch Grade

RT +75 736.27

RT +50 701.97

RT +34 706.97

LT +00 707.50

LT +00 700.72

LT +10 698.69

LT +00 697.88

LT +25 701.25

LT +00 703.06

LT +50 705.42

LT +75 704.50

LT +00 711.63

VPI = +50.00
ELV = 715.76
L = 600.00
K = 227

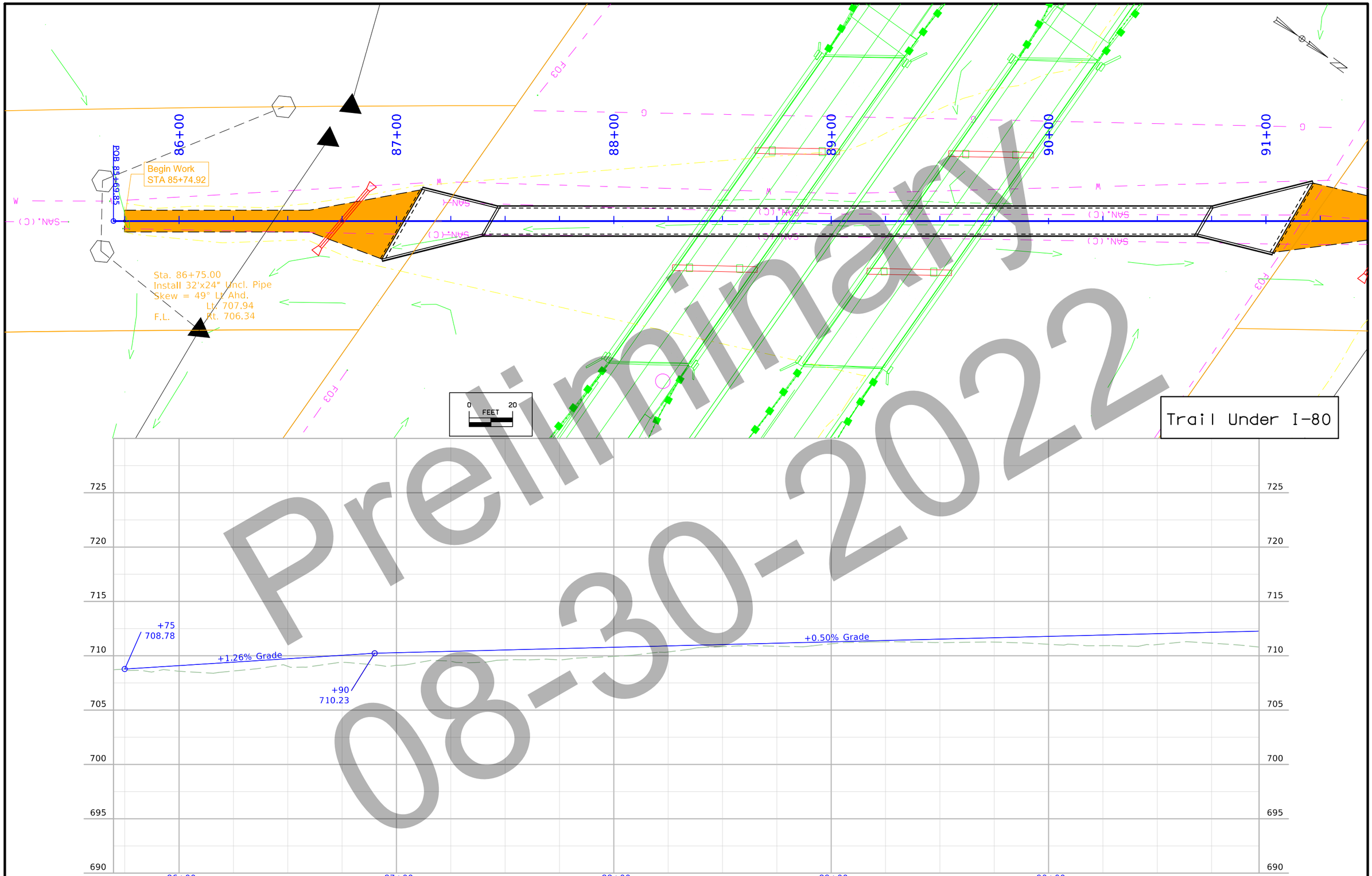
VPI = +22.19
ELV = 714.26
L = 550.00
K = 213

820 810 800 790 780 770 760 750 740 730 720 710 700 690 680 670 660 650 640 630

739.91 739.75 739.59 739.43 739.27 739.11 738.95 738.79 738.63 738.47 738.28 738.07 737.85 737.61 737.35 737.07 736.78 736.47 736.14 735.79 735.42 735.04 734.64 734.22 733.78 733.32 732.85 732.35 731.84 731.33 730.81 730.29 729.77 729.25 728.73 728.21 727.69 727.17 726.66 726.14 725.62 725.10 724.58 724.06 723.54 723.02 722.50 721.99 721.48 720.90 720.33 719.73 719.14 718.60 718.08 717.40 716.74 716.34 717.04 716.72 716.56 716.42 716.09 715.80 715.69 715.50 715.09 714.40 714.38 714.28 714.32 714.45 714.59 714.63

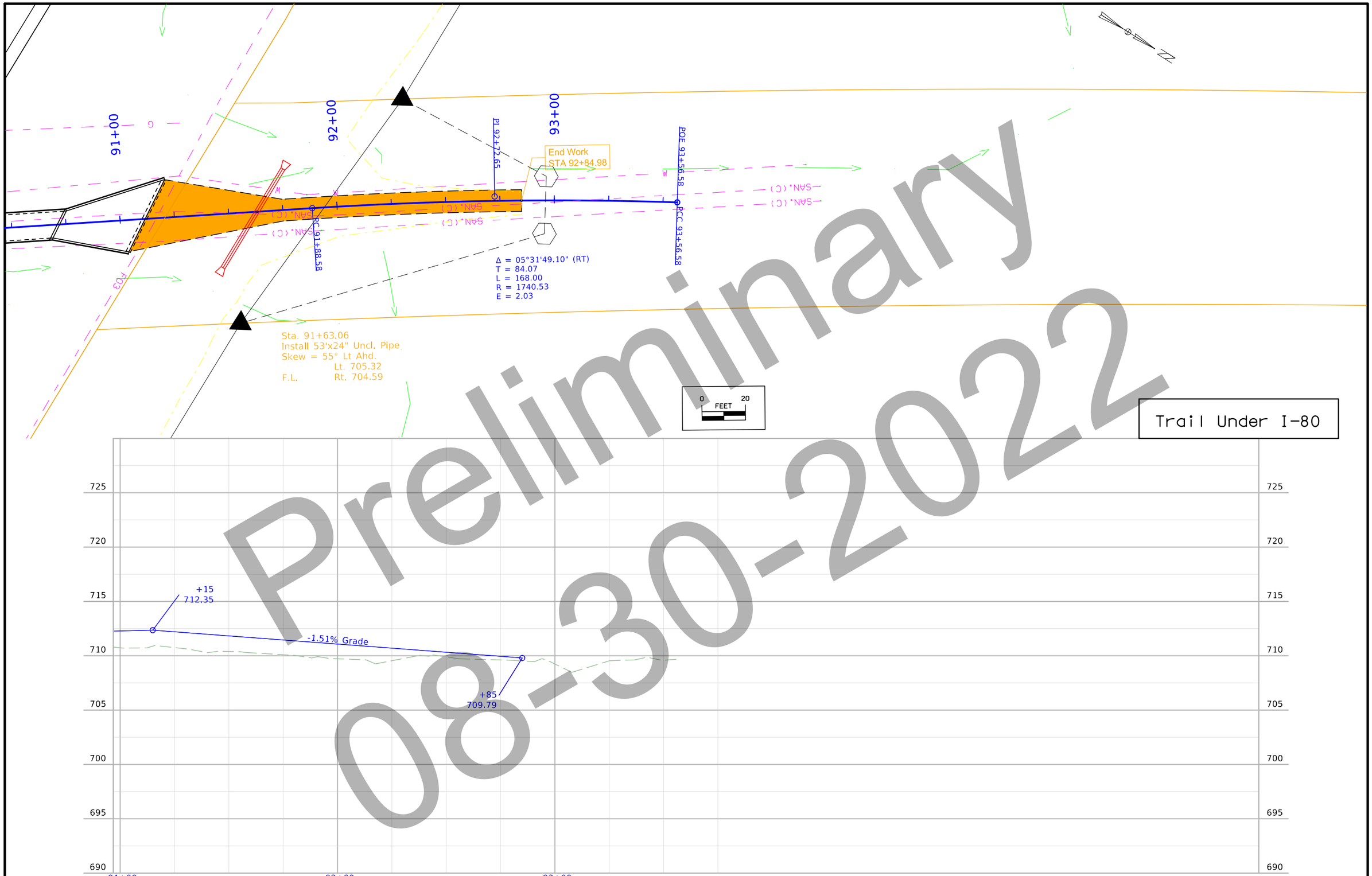
1485+00 1490+00 1495+00 1500+00 1505+00 1510+00

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER D.9



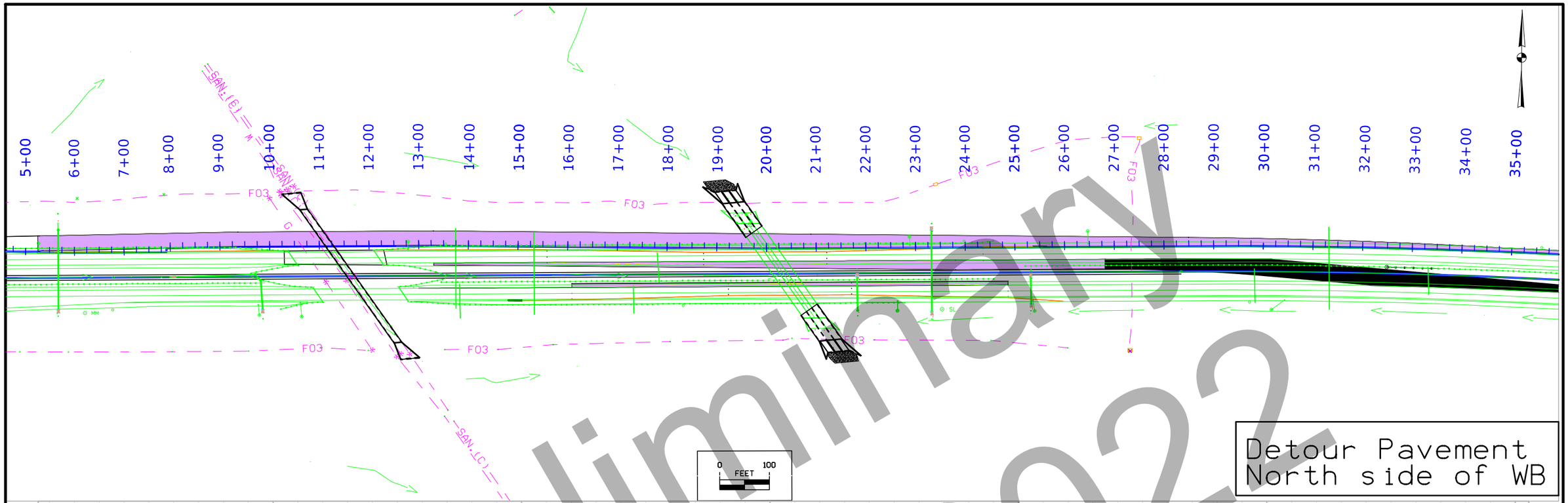
Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER E.1

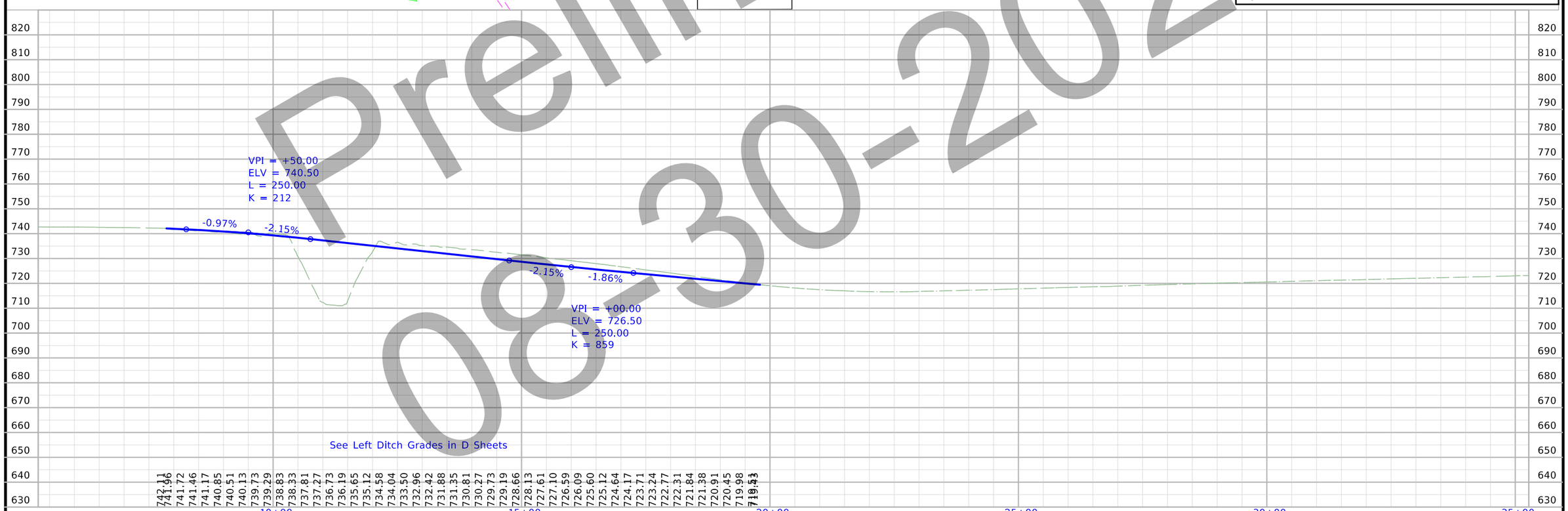


Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER E.2

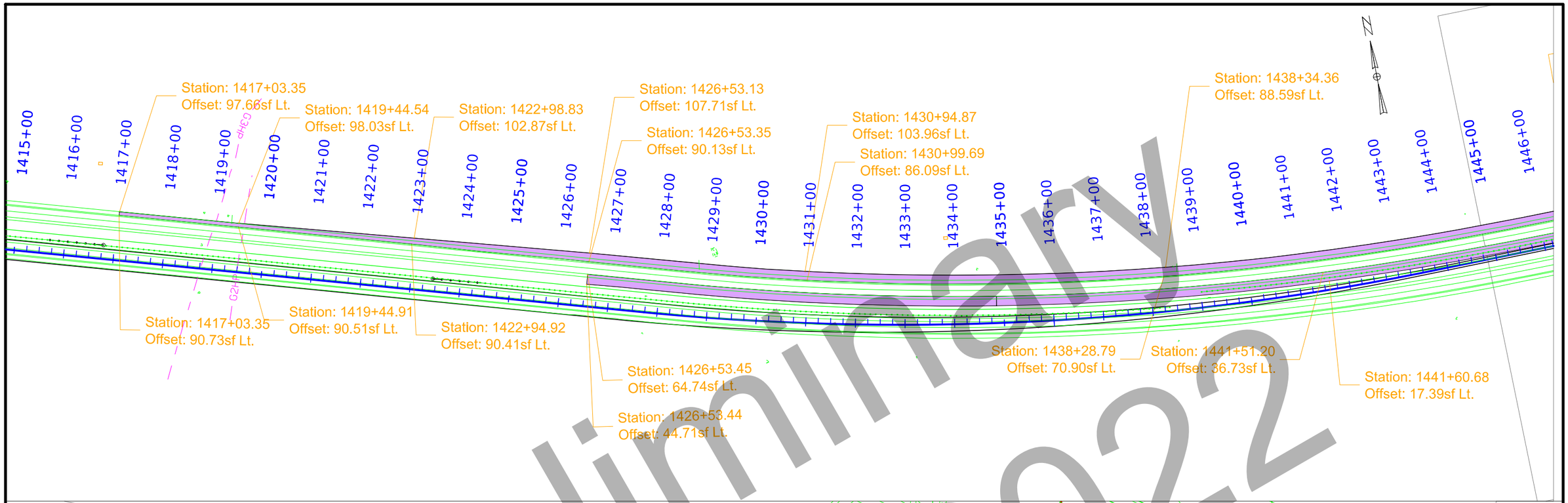


Detour Pavement
North side of WB



Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER E.3



Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER F.1

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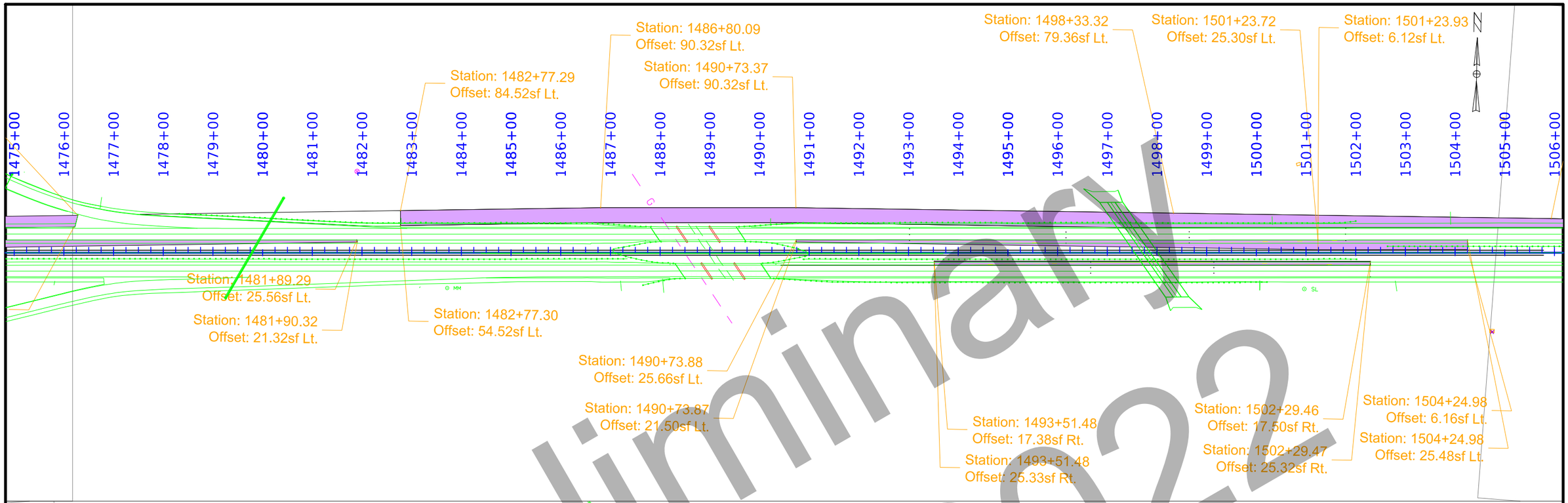
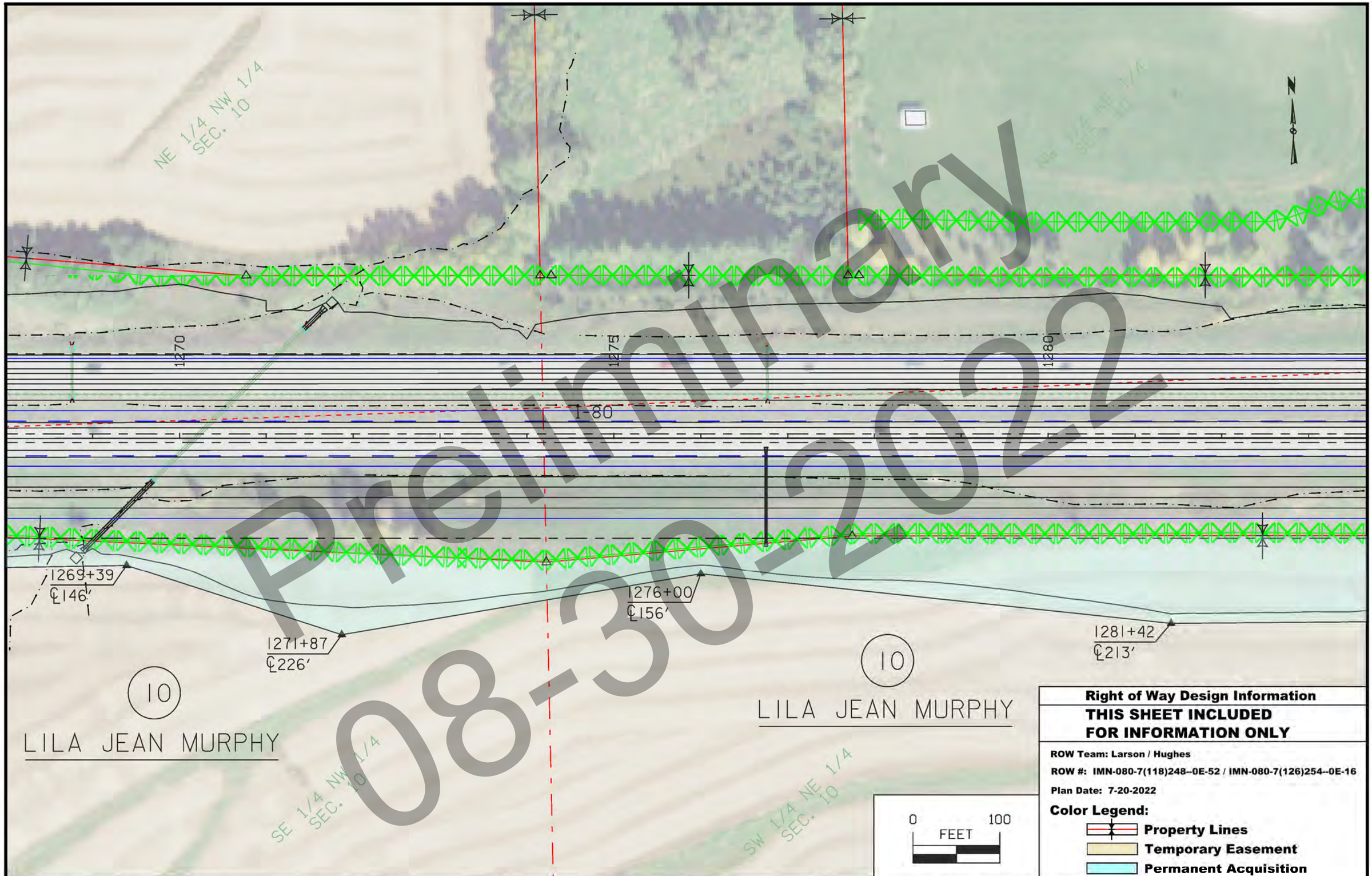


Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM JIA/MILLER/DEWOLF	Johnson/Cedar COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER F.2



Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: IMN-080-7(118)248--0E-52 / IMN-080-7(126)254--0E-16

Plan Date: 7-20-2022

Color Legend:

- **Property Lines**
- **Temporary Easement**
- **Permanent Acquisition**

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.1

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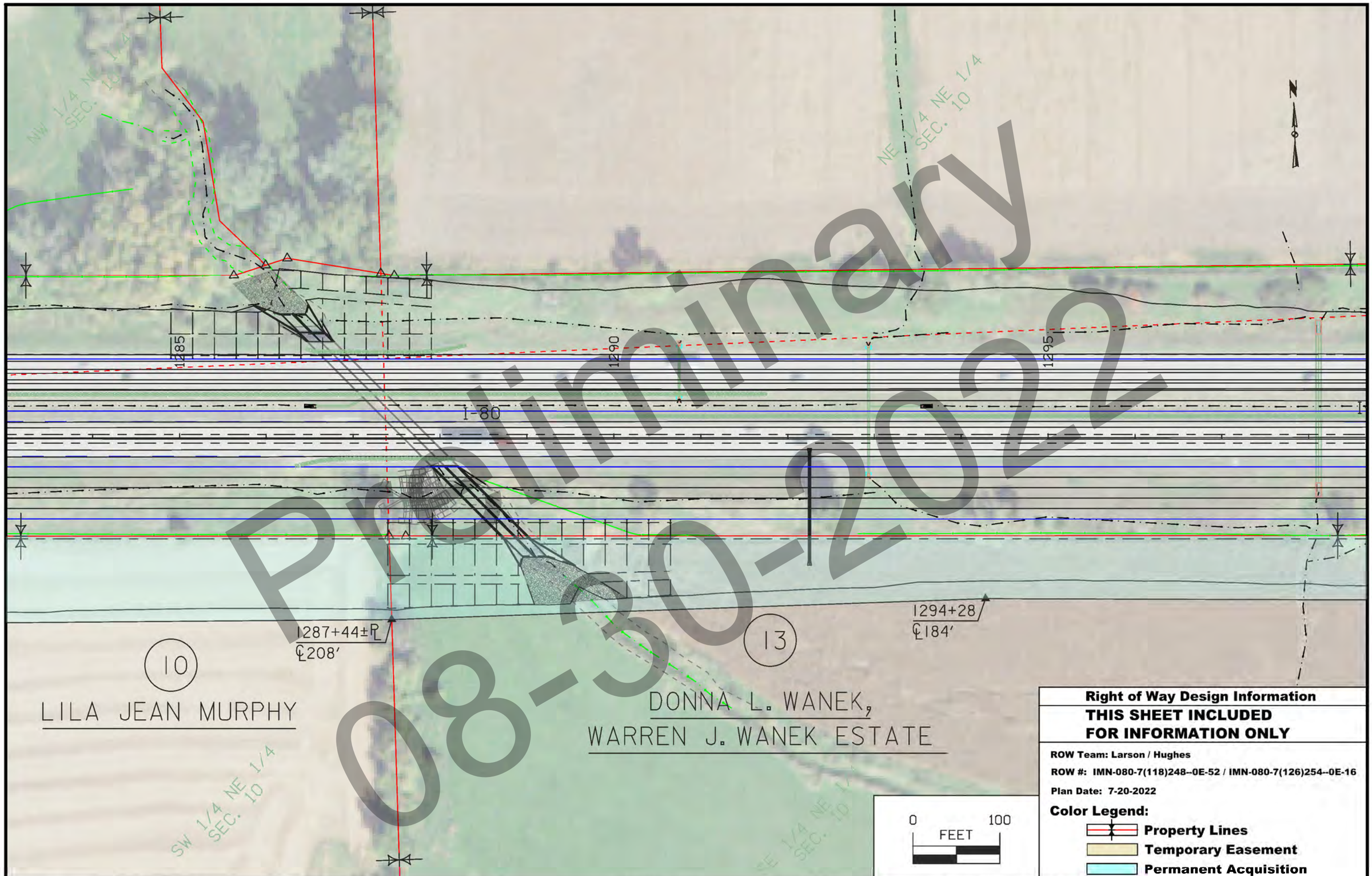

Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.2

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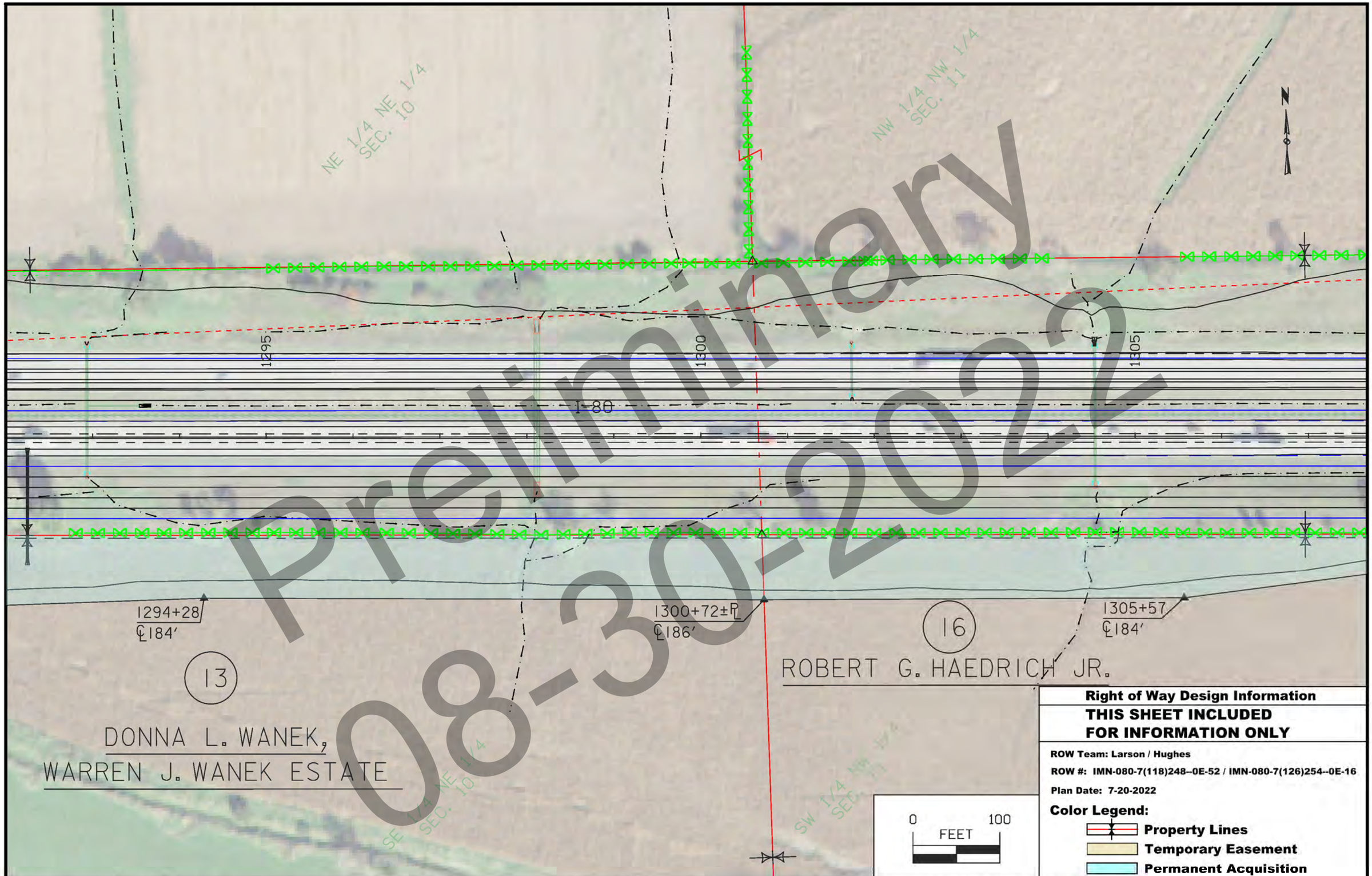

Preliminary
08-30-2022

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: IMN-080-7(118)248--0E-52 / IMN-080-7(126)254--0E-16

Plan Date: 7-20-2022

Color Legend:

- **Property Lines**
- **Temporary Easement**
- **Permanent Acquisition**

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.3

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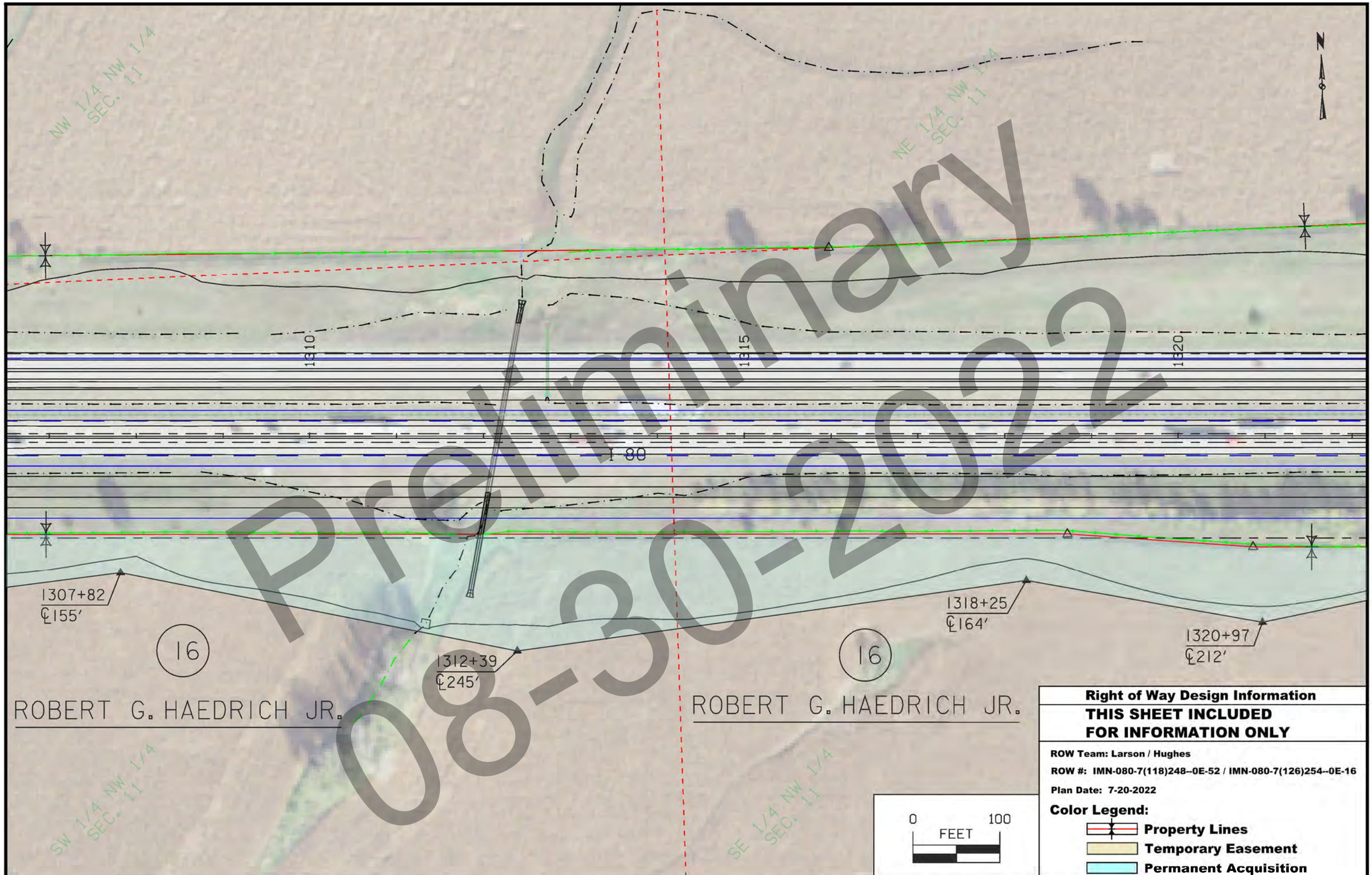

Preliminary
08-30-2022

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: IMN-080-7(118)248--0E-52 / IMN-080-7(126)254--0E-16

Plan Date: 7-20-2022

Color Legend:

- **Property Lines**
- **Temporary Easement**
- **Permanent Acquisition**

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.4

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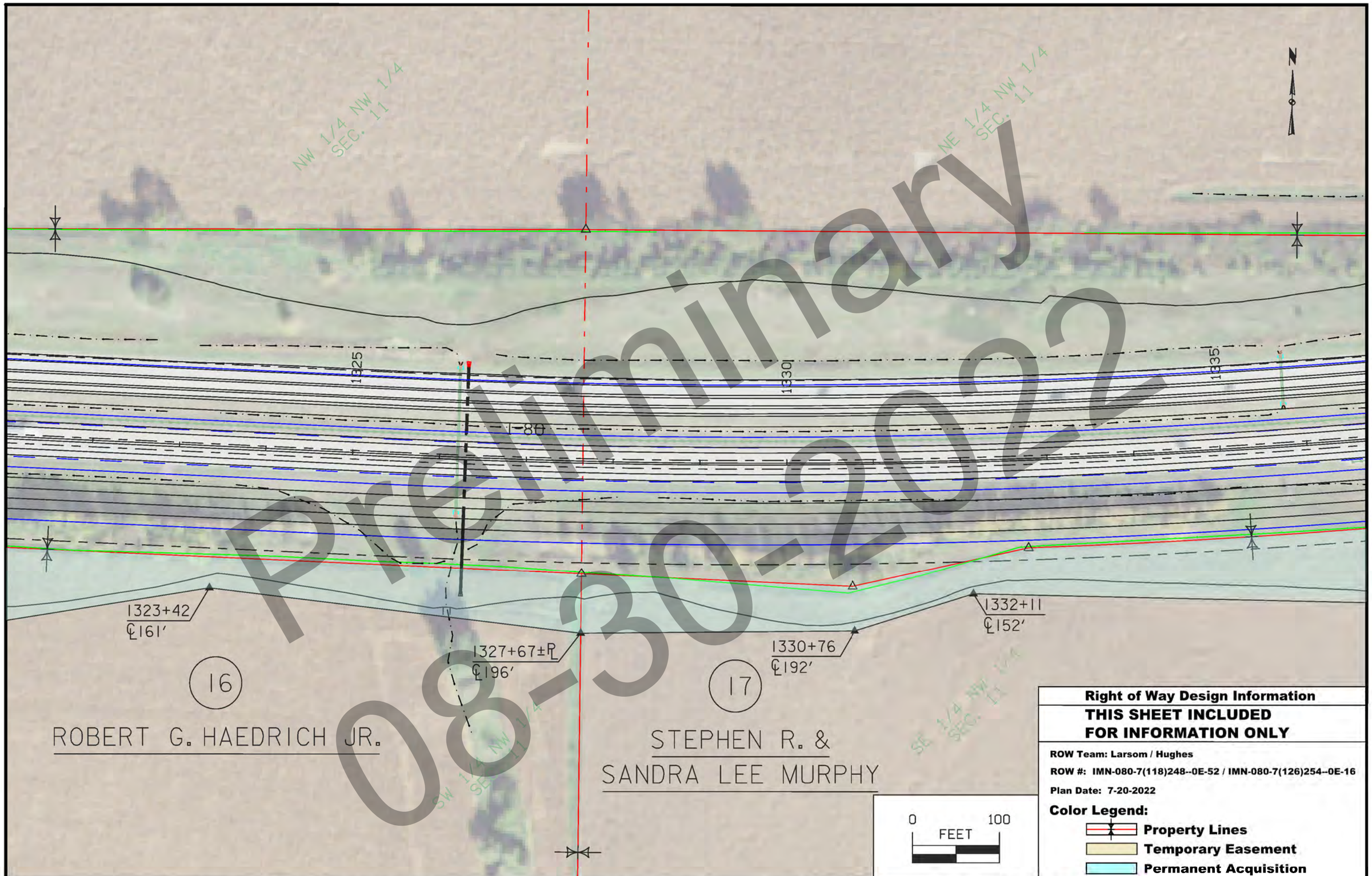

Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.5

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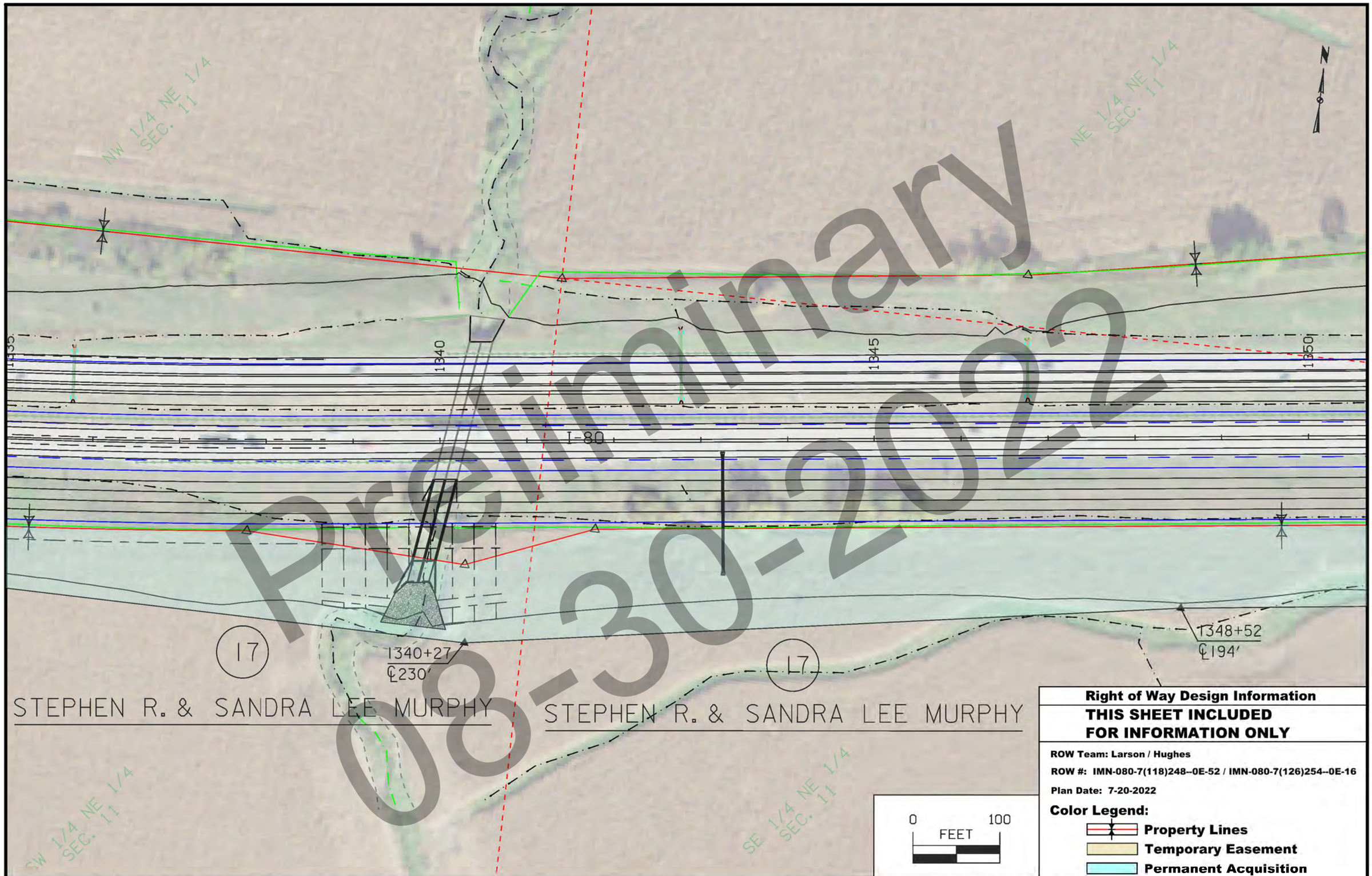

Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.6

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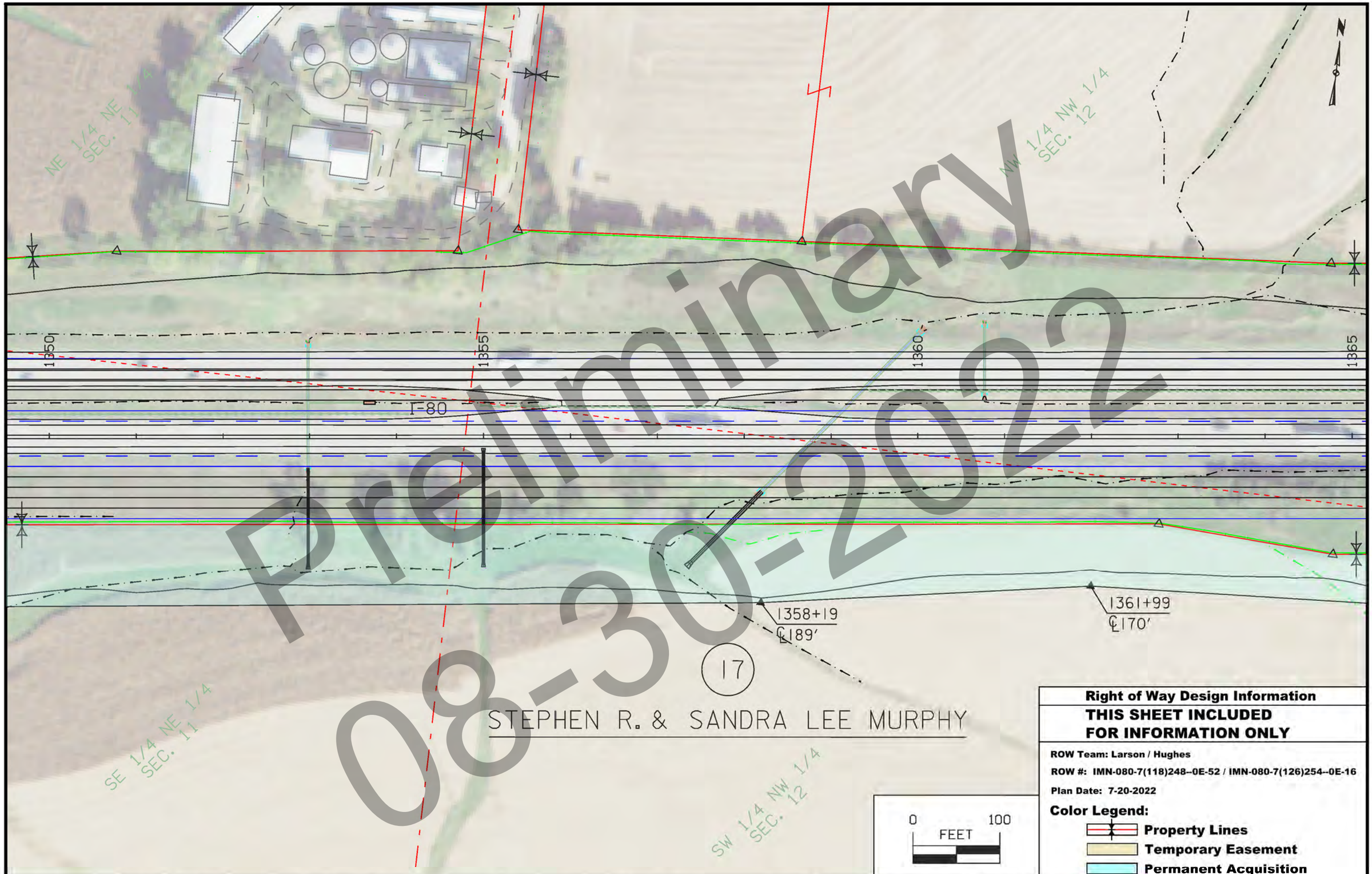

Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.7

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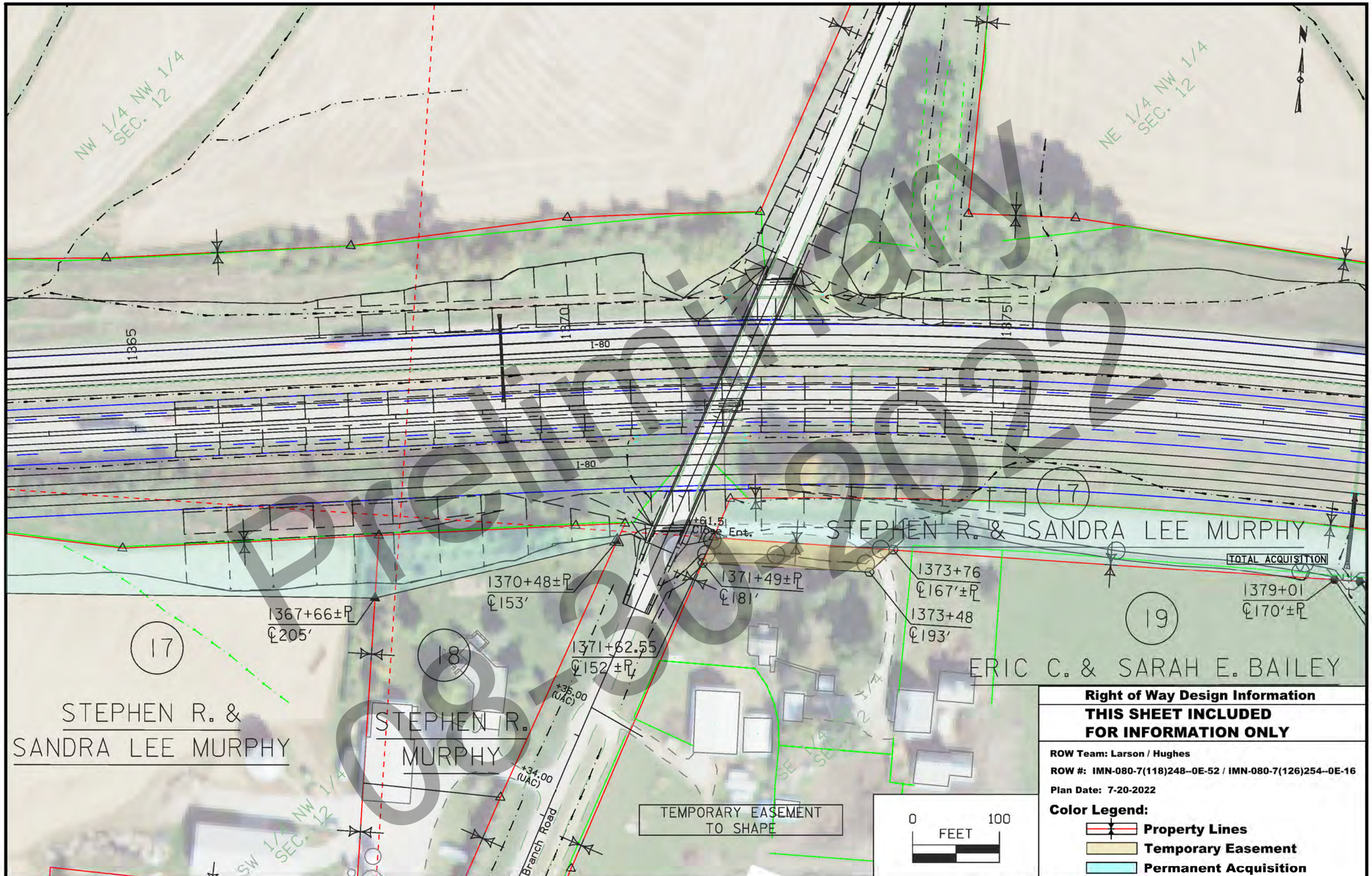

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: IMN-080-7(118)248--0E-52 / IMN-080-7(126)254--0E-16

Plan Date: 7-20-2022

Color Legend:

- **Property Lines**
- **Temporary Easement**
- **Permanent Acquisition**

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.8

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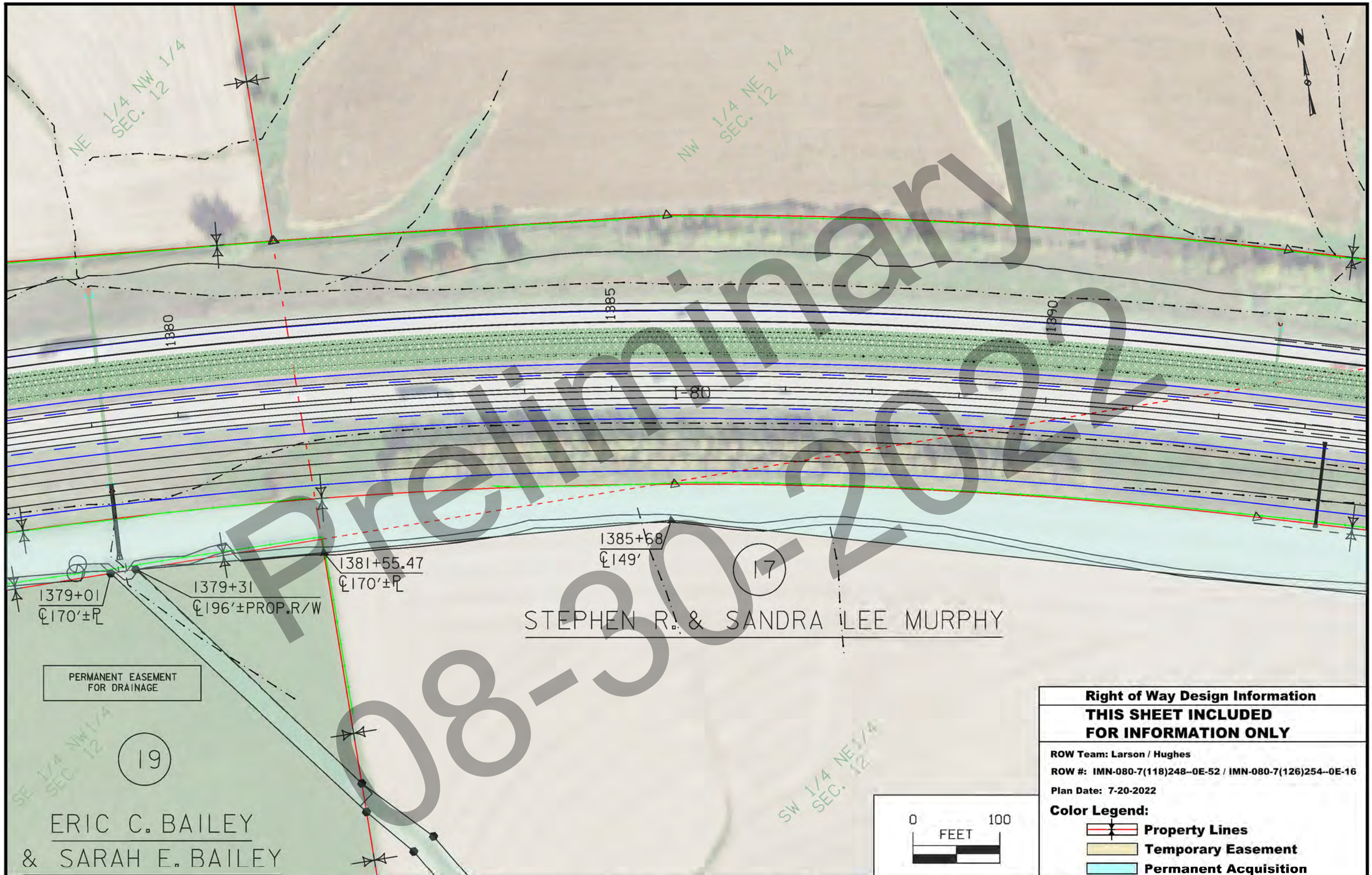

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: IMN-080-7(118)248--0E-52 / IMN-080-7(126)254--0E-16

Plan Date: 7-20-2022

Color Legend:

- **Property Lines**
- **Temporary Easement**
- **Permanent Acquisition**

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.9

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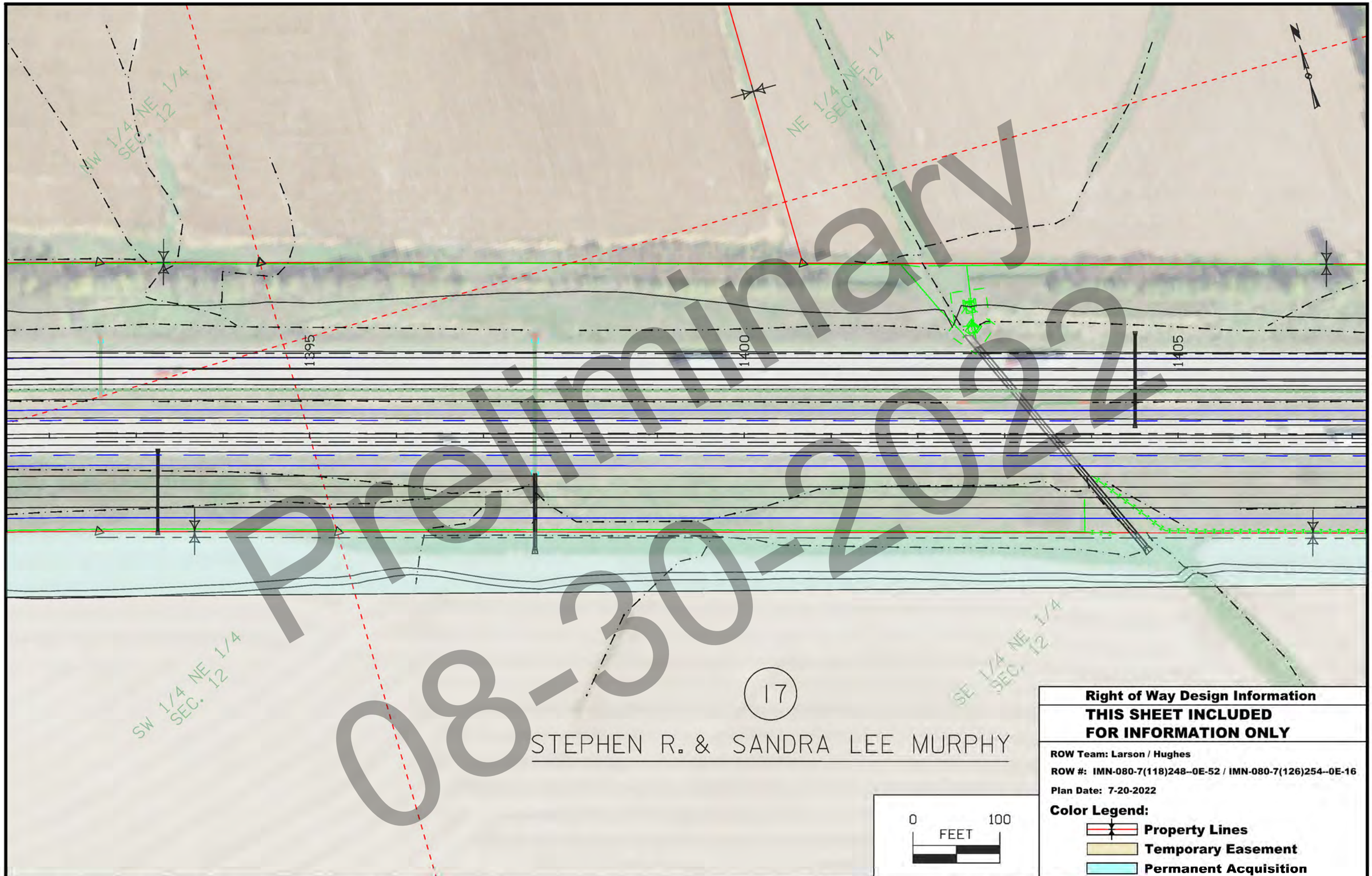

Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.10

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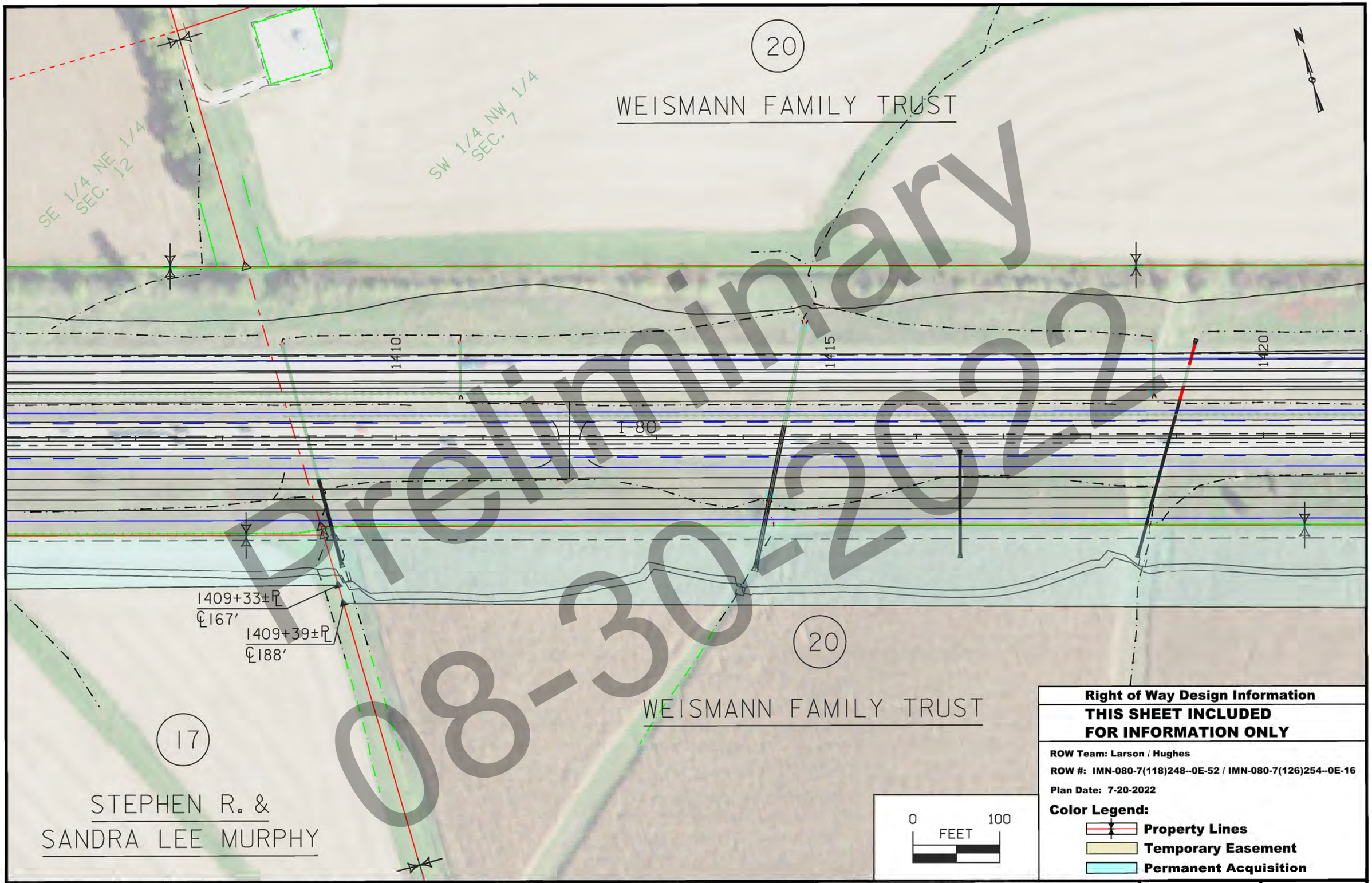

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: IMN-080-7(118)248--0E-52 / IMN-080-7(126)254--0E-16

Plan Date: 7-20-2022

Color Legend:

- **Property Lines**
- **Temporary Easement**
- **Permanent Acquisition**

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.11

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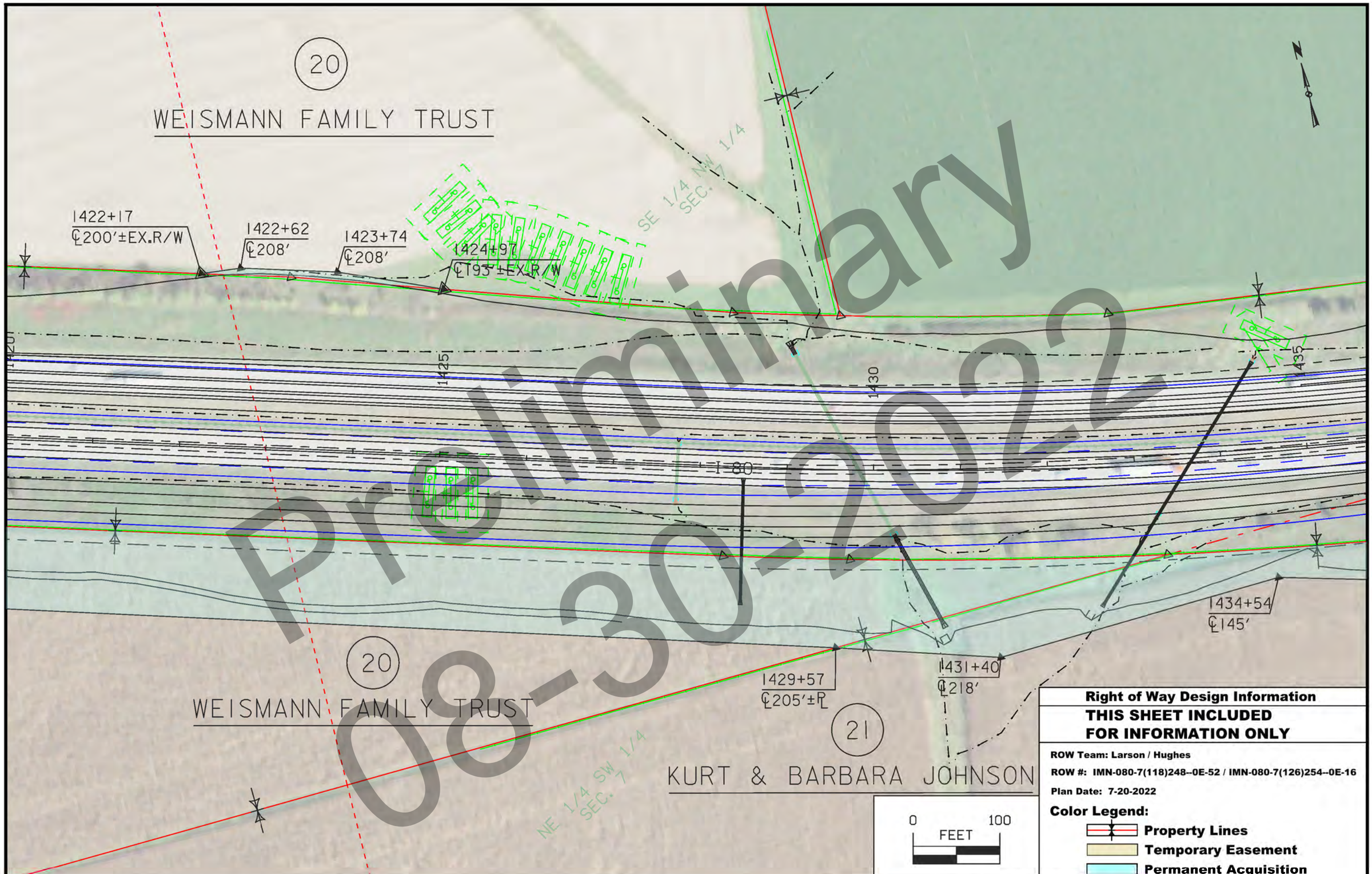

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: IMN-080-7(118)248--0E-52 / IMN-080-7(126)254--0E-16

Plan Date: 7-20-2022

Color Legend:

- **Property Lines**
- **Temporary Easement**
- **Permanent Acquisition**

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.12

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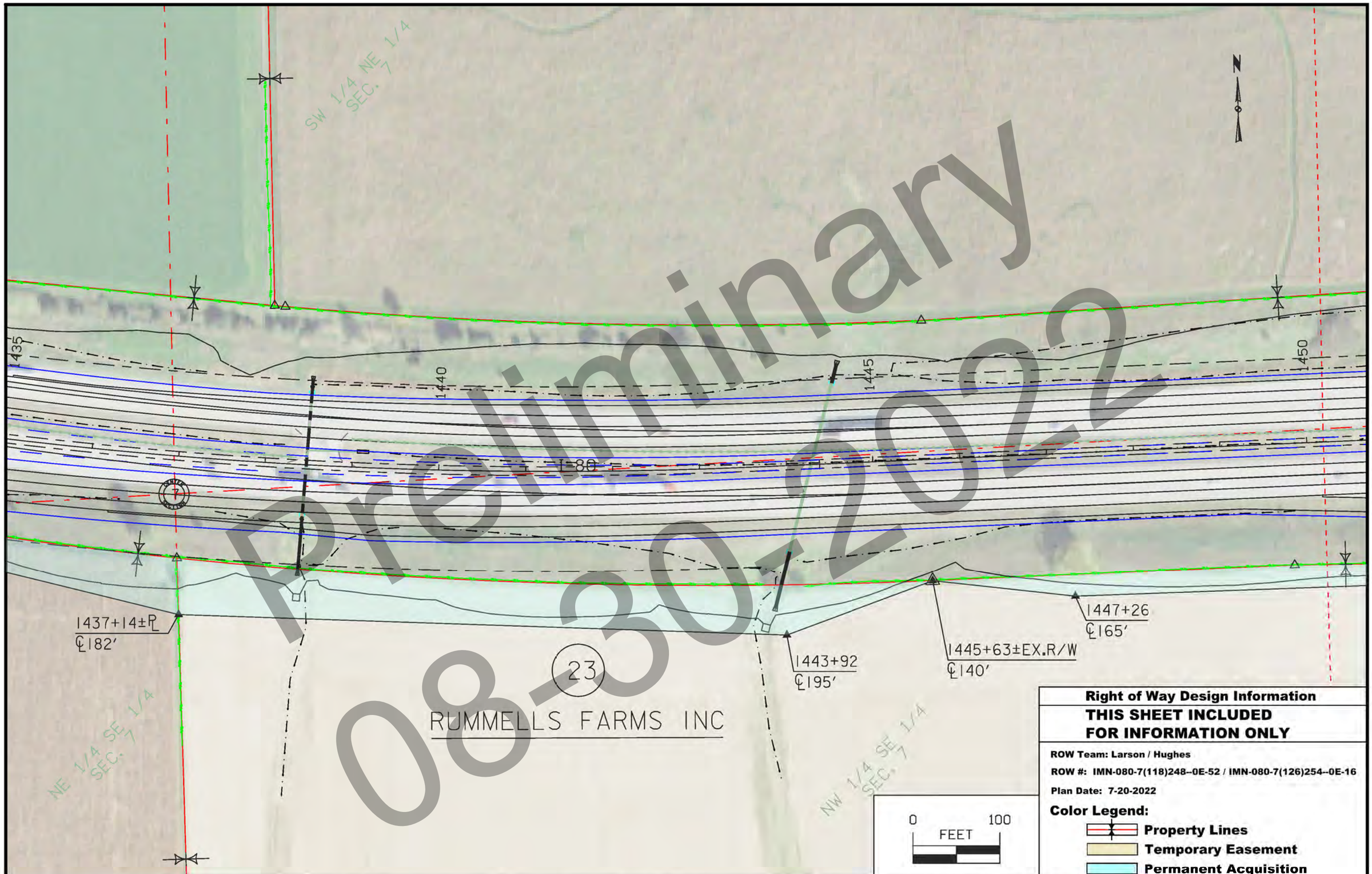

Preliminary
08-30-2022

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.13

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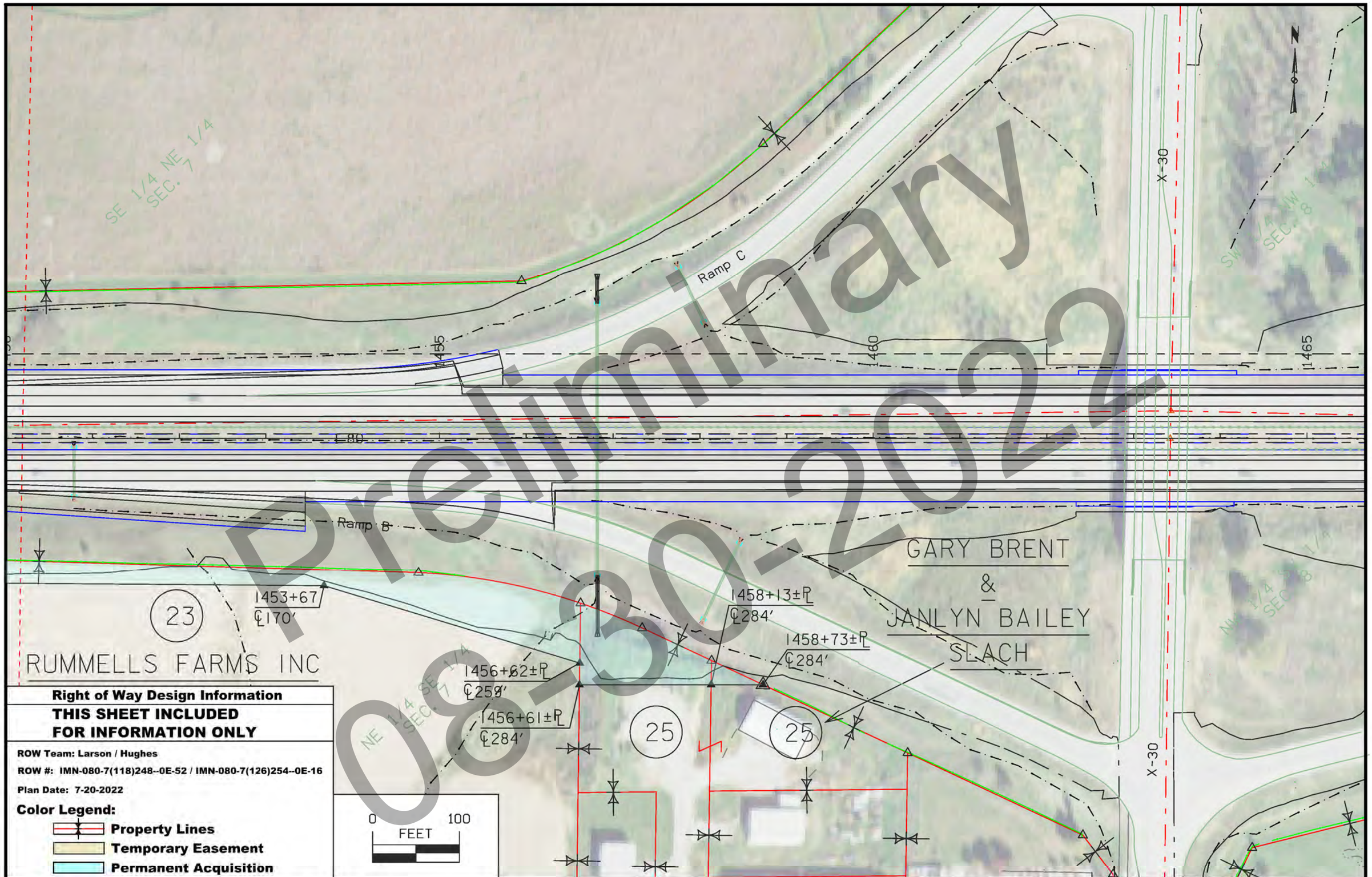

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: IMN-080-7(118)248--0E-52 / IMN-080-7(126)254--0E-16

Plan Date: 7-20-2022

Color Legend:

- **Property Lines**
- **Temporary Easement**
- **Permanent Acquisition**

FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.14

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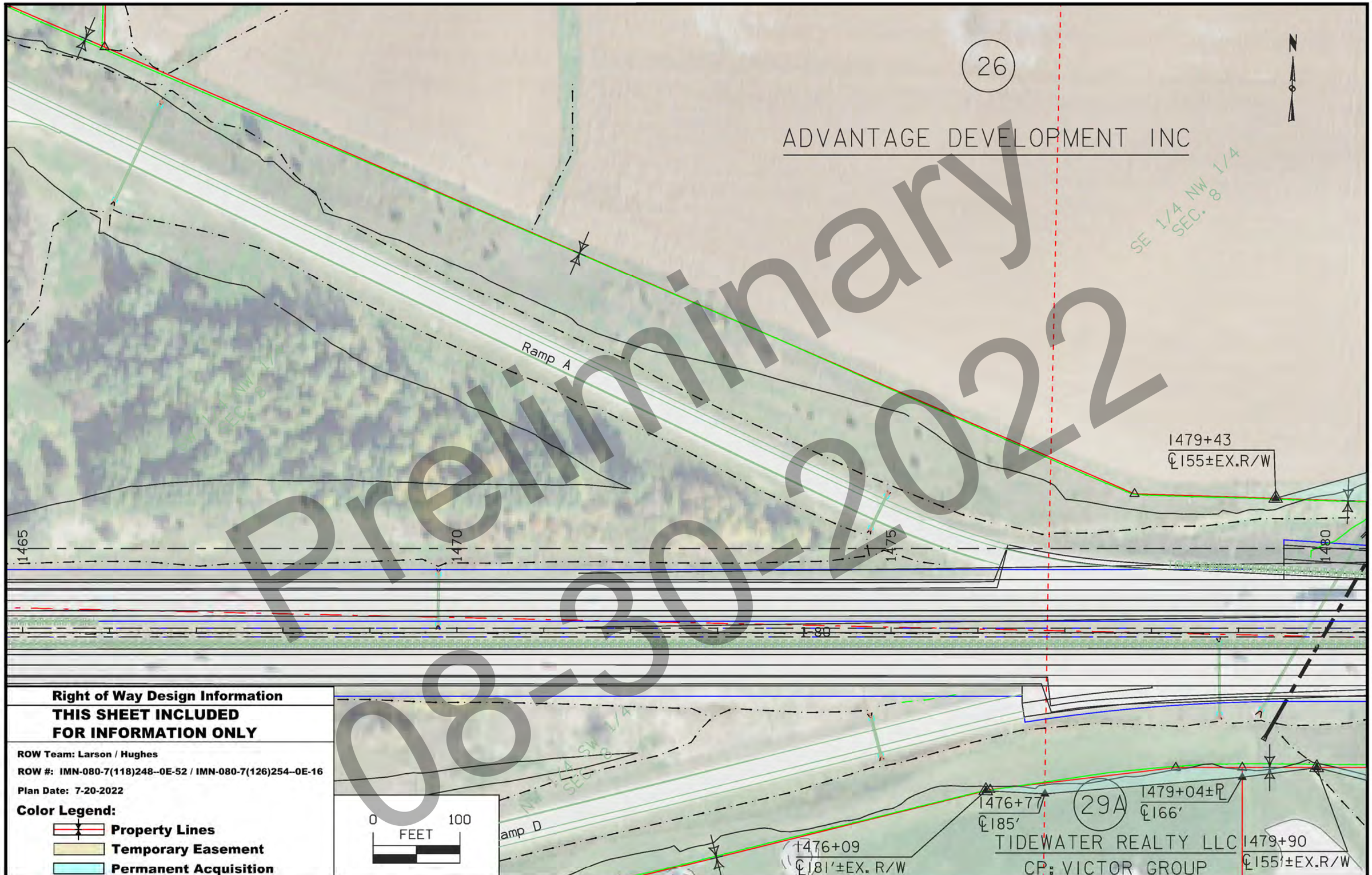

Preliminary
08-30-2022

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: IMN-080-7(118)248--0E-52 / IMN-080-7(126)254--0E-16

Plan Date: 7-20-2022

Color Legend:

- **Property Lines**
- **Temporary Easement**
- **Permanent Acquisition**

FILE NO.	ENGLISH	DESIGN TEAM YANXIAO JIA \ MSA PROFESSIONAL SERVICES	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER IM-NHS-080-7(114)251--03-52	SHEET NUMBER H.15

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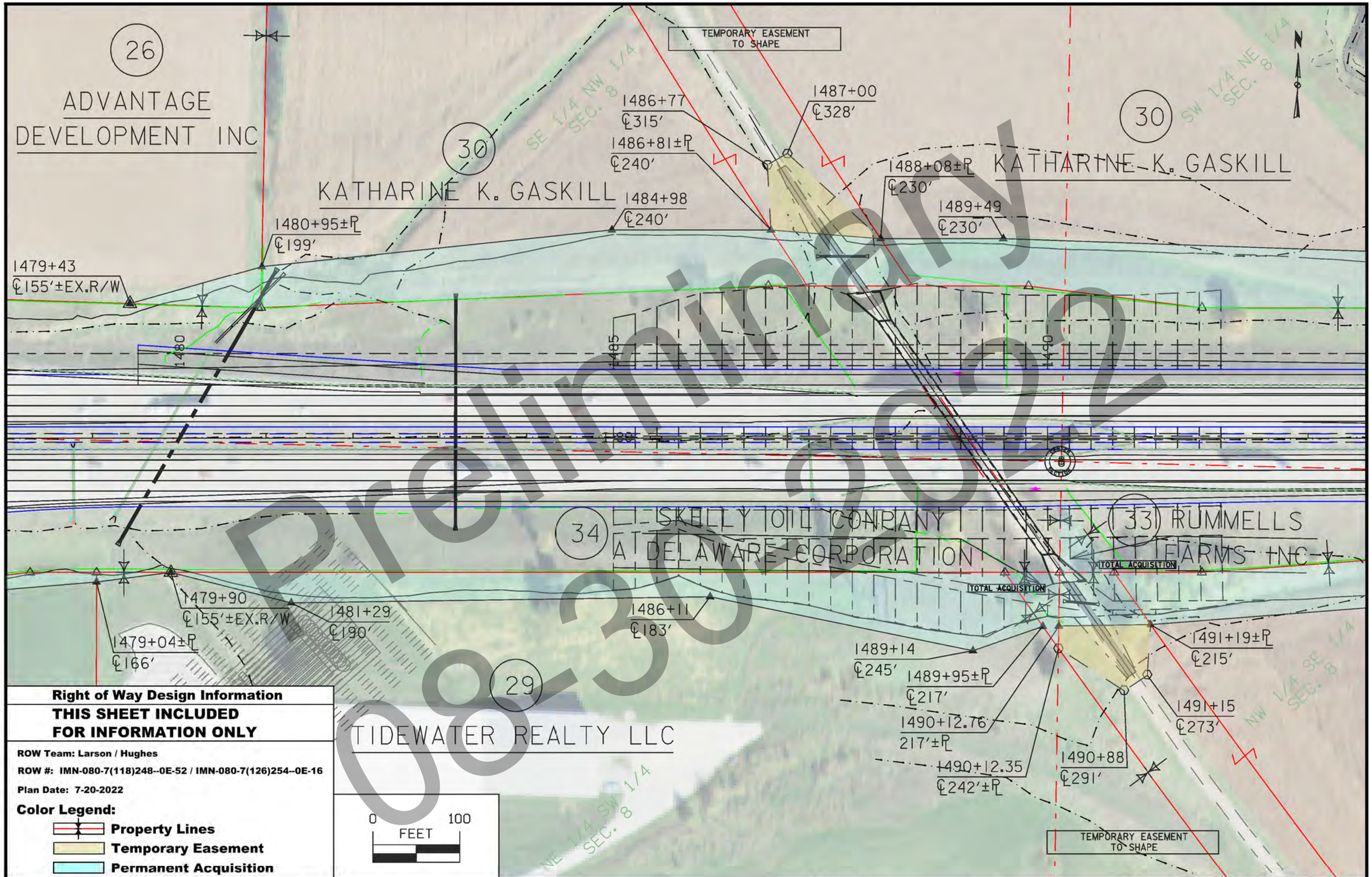

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: IMN-080-7(118)248--0E-52 / IMN-080-7(126)254--0E-16

Plan Date: 7-20-2022

Color Legend:

- **Property Lines**
- **Temporary Easement**
- **Permanent Acquisition**

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FILE NO.	ENGLISH	DESIGN TEAM YANXIAO JIA \ MSA PROFESSIONAL SERVICES	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.16

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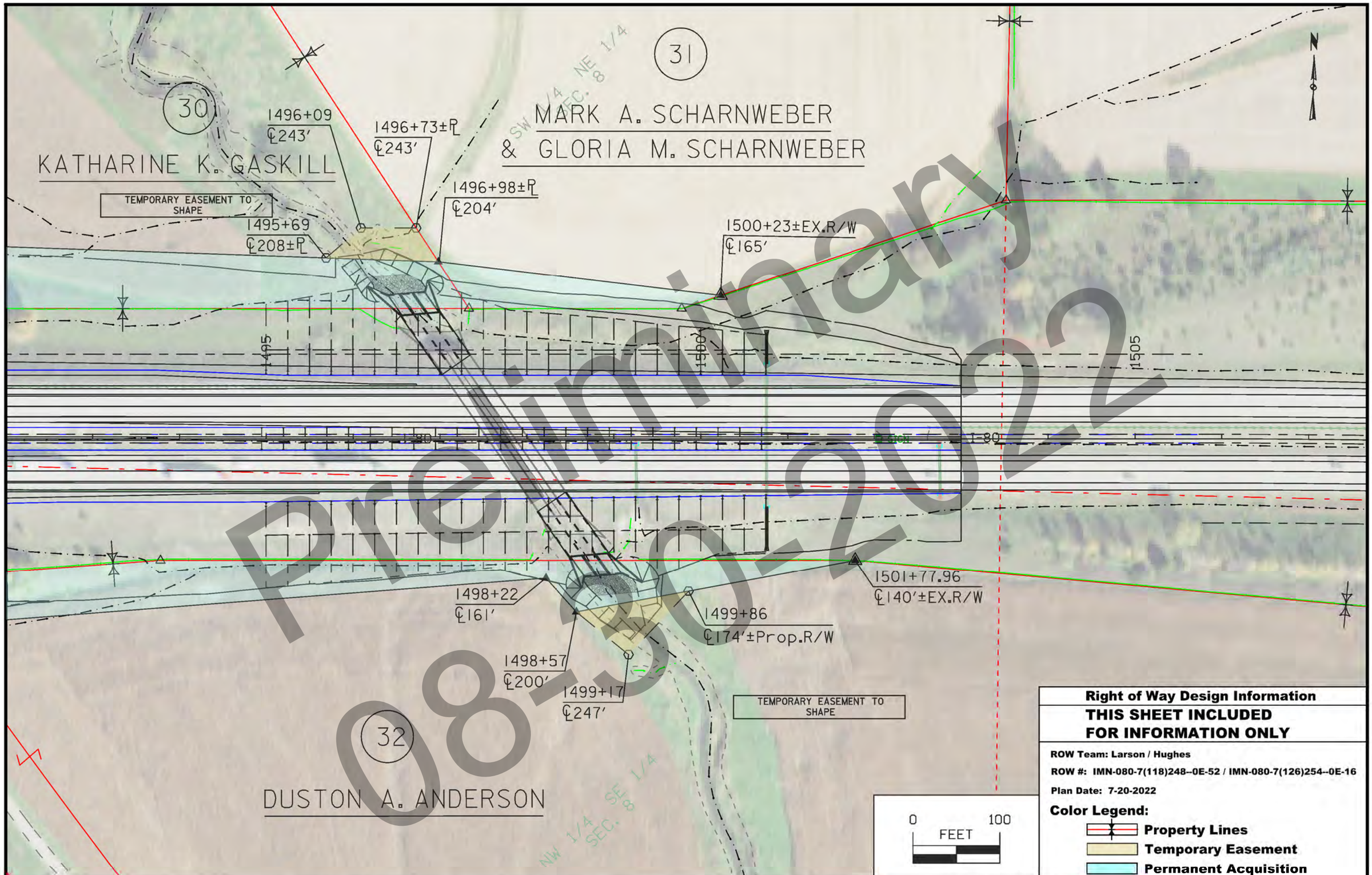

Preliminary
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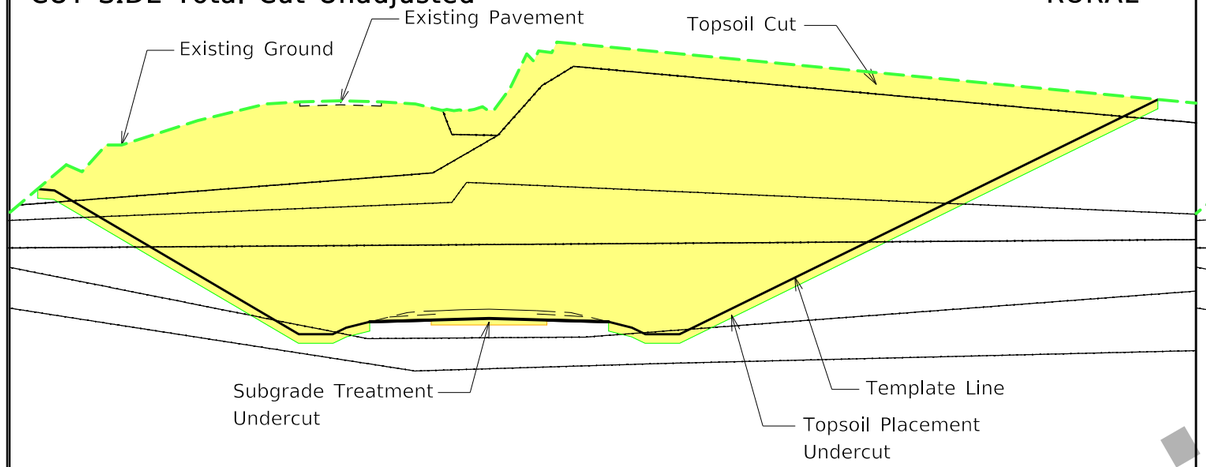
FILE NO.	ENGLISH	DESIGN TEAM	JIA \ Miller \ DeWolf	JOHNSON \ CEDAR	COUNTY	PROJECT NUMBER	IM-NHS-080-7(114)251--03-52	SHEET NUMBER	H.17

2:58:44 PM 7/20/2022 CHUGHES pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5208002016\ROW\52080126.sht

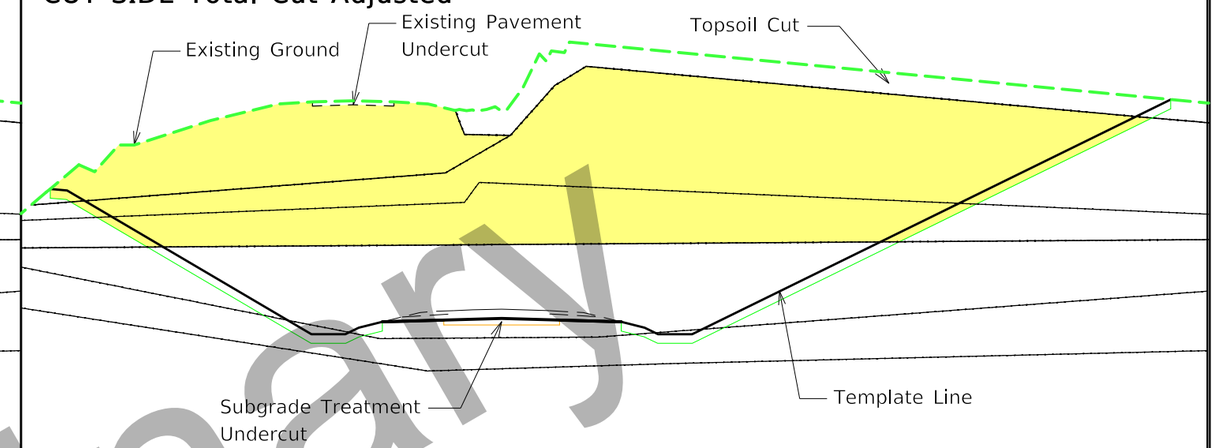
CUT SIDE Total Cut Unadjusted — RURAL



Notes:

1. "Total Cut Unadjusted" Column includes all cut values in the Station Range based on Typical, Topsoil and Subgrade Treatment needs.
2. "Total Cut Unadjusted" does not include and Existing Pavement values inside or outside the cut template as shown on cross sections.
3. Tabulated Plowing and Shaping operations are included in the "Total Cut Unadjusted" values.

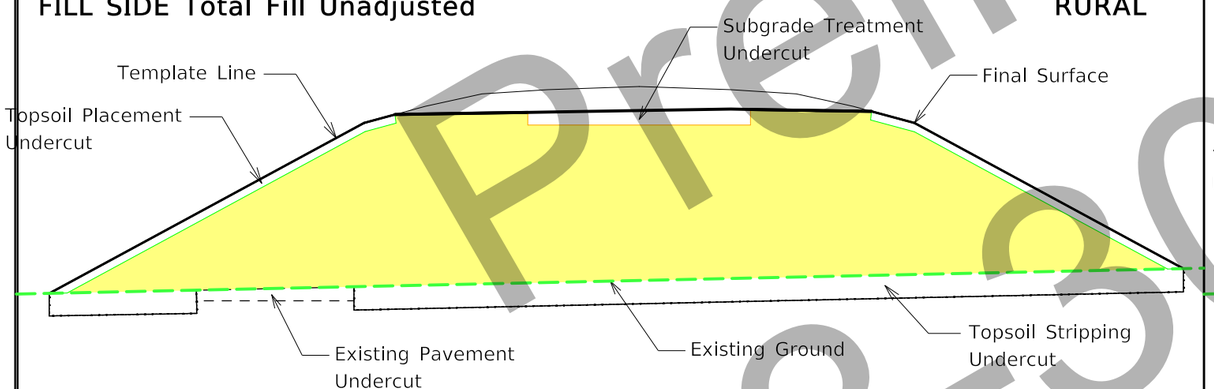
CUT SIDE Total Cut Adjusted



Notes:

1. "Total Cut Adjusted" Column includes all cut values usable as Class 10 material.
2. "Total Cut Adjusted" does not include and Existing Pavement , Existing Topsoil, or material to be wasted.

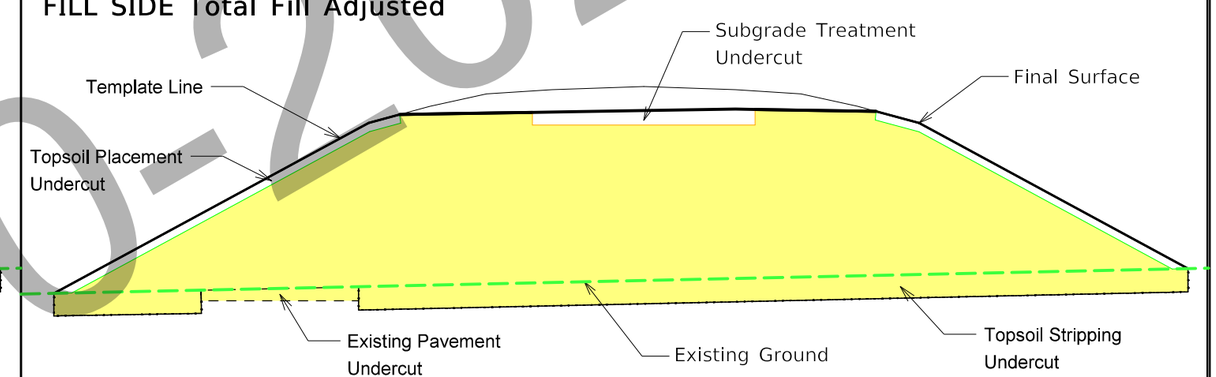
FILL SIDE Total Fill Unadjusted — RURAL



Notes:

1. "Total Fill Unadjusted" Column includes all Class 10, 12, and 13 fill. This excludes the topsoil, subgrade treatment, subbase, new pavement, and shoulder fill needs in that station range.
2. "Total Fill Unadjusted" Column does not include adjustments for additional fill from cuts such as existing pavement removed, plowing and shaping operations, entrances, dikes, or topsoil stripping.

FILL SIDE Total Fill Adjusted

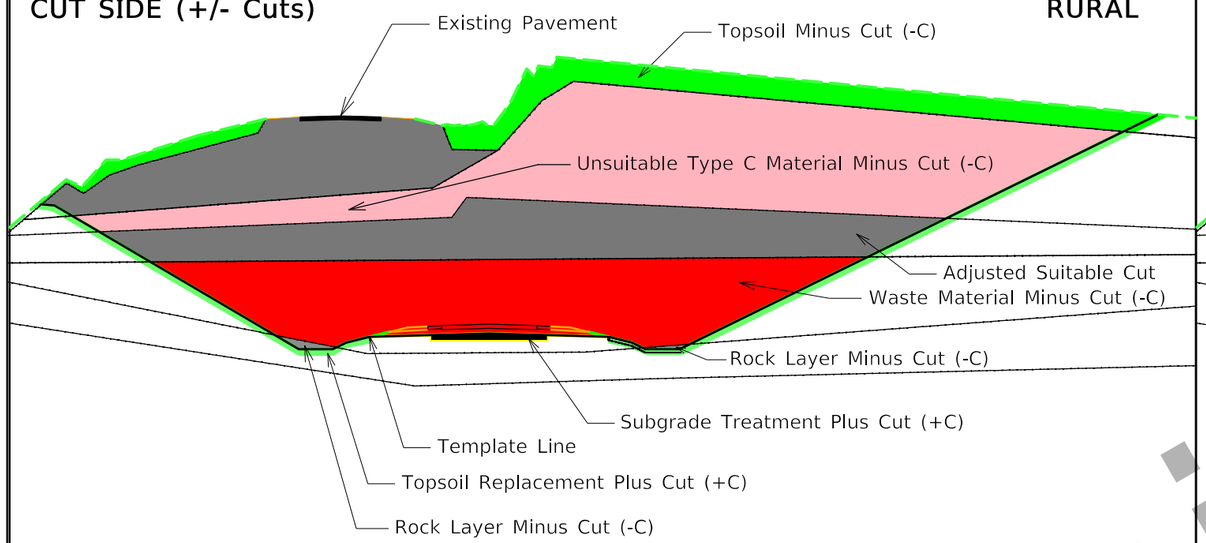


Notes:

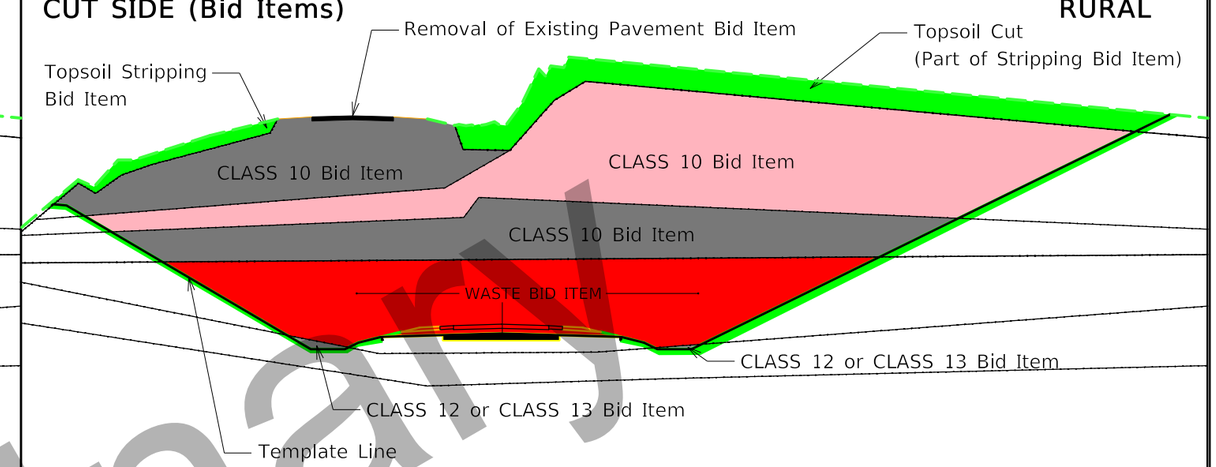
1. "Total Fill Adjusted" Column includes all Class 10, 12, and 13 fill and adjustments for additional fill from cuts such as existing pavement, plowing and shaping operations, entrances, dikes, and topsoil stripping.
2. The available area to place unsuitable materials in the T Sheet tabulation does not include the undercut values from the topsoil stripping, existing pavement, or plowing and shaping

Preliminary 08-30-2022

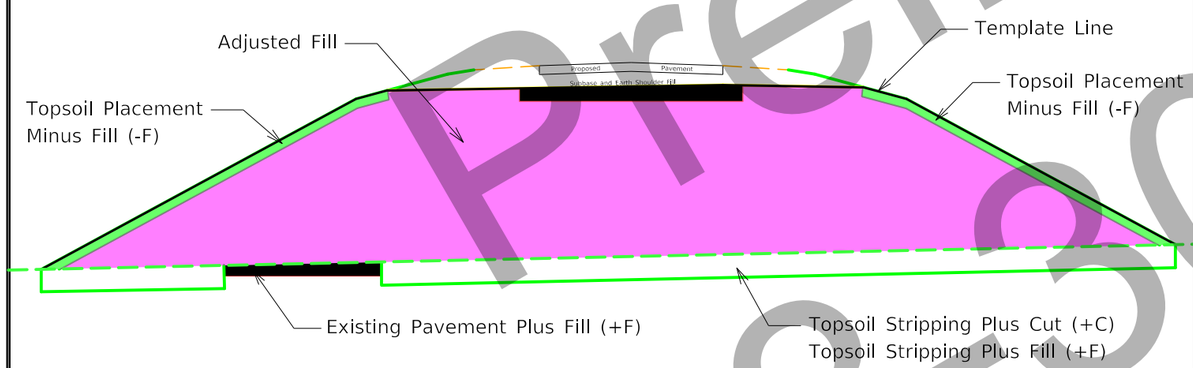
CUT SIDE (+/- Cuts) — RURAL



CUT SIDE (Bid Items) — RURAL



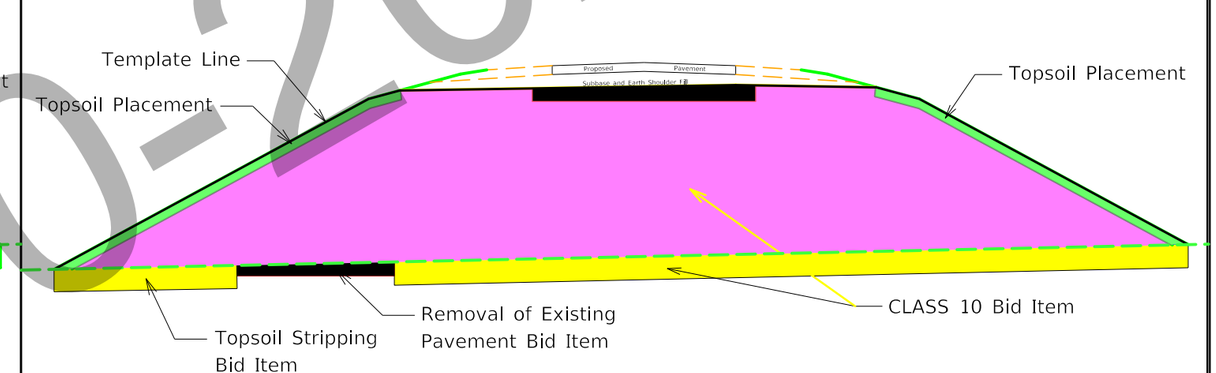
FILL SIDE (+/- Fills) — RURAL



Notes:

1. "Add Quantity +C" columns are additional cut encountered that is not Typical, Topsoil, or Subgrade Treatment Based. (Entrance, Dike, Etc.)
2. "-C" columns are either soil types or Class 10, 12, or 13 designated material that is encountered in the cut station range that is paid for by other bid items.
3. The "(SoilType) Cut" columns are soil types encountered in the cut that are paid by either Class 10, 12, or 13.
4. The "Adjusted Clas (10,12 or 13)" columns are the sum of all various soil types encountered in that station range, that are paid by Class 10, 12, or 13 bid items.
5. Refer to Standard Road Plan EW-102 for placement of unsuitable soil types.

FILL SIDE (Bid Items) — RURAL



Notes:

1. Refer to Standard Road Plan EW-102 for placement of unsuitable soil types.

Preliminary
08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
ML_GRADING																						
1274+50.00																						
1274+75.00	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0			
1275+00.00	693	664	29	0	0	0	0	664	1	1	1	2	662	0	0	29	58	82	-53			
1275+25.00	1,071	1,040	31	0	0	0	0	1,040	2	1	3	3	1,036	0	0	31	54	76	-45			
1275+50.00	908	878	30	0	0	0	0	878	2	1	4	5	873	0	0	30	49	69	-39			
1275+75.00	785	756	29	0	0	0	0	756	5	2	7	9	747	0	0	29	45	62	-34			
1276+00.00	689	661	28	0	0	0	0	661	8	3	11	14	647	0	0	28	41	57	-30			
1276+25.00	600	574	27	0	0	0	0	574	13	3	17	22	552	0	0	27	38	53	-26			
1276+50.00	571	544	27	0	0	0	0	544	18	4	22	29	516	0	0	27	38	53	-27			
1276+75.00	546	520	27	0	0	0	0	520	22	4	26	34	486	0	0	27	41	57	-30			
1277+00.00	528	501	28	0	0	0	0	501	28	5	33	42	459	0	0	28	44	61	-34			
1277+25.00	508	479	28	0	0	0	0	479	35	5	40	53	427	0	0	28	47	65	-37			
1277+50.00	475	446	28	0	0	0	0	446	42	5	47	61	385	0	0	28	49	68	-40			
1277+75.00	419	391	29	0	0	0	0	391	52	6	58	75	315	0	0	29	50	71	-42			
1278+00.00	345	316	29	0	0	0	0	316	61	7	68	88	228	0	0	29	52	73	-43			
1278+25.00	295	265	30	0	0	0	0	265	68	6	74	96	169	0	0	30	53	74	-44			
1278+50.00	209	179	30	0	0	0	0	179	126	13	140	181	-3	0	0	30	53	74	-45			
1278+75.00	140	110	30	0	0	0	0	110	188	21	209	272	-162	0	0	30	54	75	-45			
1279+00.00	117	87	31	0	0	0	0	87	246	22	268	349	-262	0	0	31	55	77	-47			
1279+25.00	102	71	31	0	0	0	0	71	349	24	372	484	-413	0	0	31	57	80	-49			
1279+50.00	97	65	32	0	0	0	0	65	430	24	455	591	-526	0	0	32	59	83	-52			
1279+75.00	98	65	32	0	0	0	0	65	499	25	524	681	-616	0	0	32	62	87	-54			
1280+00.00	102	68	33	0	0	0	0	68	568	26	594	772	-704	0	0	33	65	91	-58			
1280+25.00	114	80	34	0	0	0	0	80	625	26	652	847	-768	0	0	34	68	95	-61			
1280+50.00	254	52	194	9	0	0	0	61	801	153	954	1,240	-1,179	0	0	194	71	100	94			
1280+75.00	393	9	356	28	0	0	0	37	952	281	1,233	1,604	-1,567	0	0	356	74	104	252			
1281+00.00	406	1	364	41	0	0	0	42	976	283	1,259	1,637	-1,595	0	0	364	77	108	256			
1281+25.00	419	0	373	46	0	0	0	46	1,007	284	1,291	1,678	-1,632	0	0	373	81	113	260			
1281+50.00	430	0	383	47	0	0	0	47	1,023	283	1,307	1,699	-1,651	0	0	383	84	118	265			
1281+75.00	443	0	392	51	0	0	0	51	1,028	283	1,311	1,704	-1,653	0	0	392	88	123	269			
1282+00.00	448	0	395	53	0	0	0	53	1,025	280	1,306	1,697	-1,645	0	0	395	89	124	271			
1282+25.00	372	111	235	26	0	0	0	137	902	164	1,066	1,385	-1,248	0	0	235	88	124	111			
1282+50.00	303	226	77	0	0	0	0	226	775	51	826	1,074	-848	0	0	77	88	124	-47			
1282+75.00	310	231	79	0	0	0	0	231	758	52	810	1,053	-822	0	0	79	88	123	-44			
1283+00.00	313	234	79	0	0	0	0	234	728	52	779	1,013	-779	0	0	79	88	123	-44			
1283+25.00	319	241	78	0	0	0	0	241	697	51	748	972	-731	0	0	78	87	122	-44			
1283+50.00	330	252	78	0	0	0	0	252	671	51	721	938	-686	0	0	78	87	122	-44			
1283+75.00	343	265	78	0	0	0	0	265	654	50	704	915	-650	0	0	78	87	122	-43			
1284+00.00	343	265	78	0	0	0	0	265	639	50	689	895	-631	0	0	78	86	120	-43			
1284+25.00	338	261	77	0	0	0	0	261	617	49	666	866	-606	0	0	77	85	119	-42			
1284+50.00	347	270	77	0	0	0	0	270	593	49	641	834	-564	0	0	77	85	118	-41			
1284+75.00	357	280	77	0	0	0	0	280	564	48	612	796	-517	0	0	77	84	118	-41			
1285+00.00	366	289	77	0	0	0	0	289	541	48	589	765	-477	0	0	77	84	117	-41			
1285+25.00	398	283	115	0	0	0	0	283	543	71	614	799	-516	0	0	115	83	117	-2			
1285+50.00	427	274	153	0	0	0	0	274	539	94	633	823	-549	0	0	153	83	116	37			
1285+75.00	431	279	152	0	0	0	0	279	514	92	606	788	-509	0	0	152	83	116	37			
1286+00.00	440	288	152	0	0	0	0	288	494	91	585	761	-473	0	0	152	83	116	37			
1286+25.00	451	299	152	0	0	0	0	299	475	90	565	735	-436	0	0	152	83	116	36			
1286+50.00	461	309	152	0	0	0	0	309	457	89	547	711	-402	0	0	152	83	116	36			
1286+75.00	469	318	151	0	0	0	0	318	426	87	514	668	-350	0	0	151	83	116	35			
1287+00.00	476	325	151	0	0	0	0	325	402	86	488	634	-310	0	0	151	83	116	35			
1287+25.00	485	333	152	0	0	0	0	333	403	87	489	636	-303	0	0	152	83	116	35			
1287+50.00	494	342	152	0	0	0	0	342	409	86	495	644	-302	0	0	152	83	117	35			
1287+75.00	503	350	152	0	0	0	0	350	410	86	496	645	-294	0	0	152	84	117	35			
1288+00.00	485	333	151	0	0	0	0	333	424	86	510	663	-329	0	0	151	83	116	35			
1288+25.00	450	301	150	0	0	0	0	301	493	87	581	755	-454	0	0	150	81	114	36			
1288+50.00	434	285	149	0	0	0	0	285	612	88	700	910	-625	0	0	149	80	112	37			
1288+75.00	424	275	148	0	0	0	0	275	640	88	729	947	-672	0	0	148	79	111	37			
1289+00.00	413	266	147	0	0	0	0	266	630	89	718	934	-668	0	0	147	79	111	37			
1289+25.00	419	235	183	0	0	0	0	235	649	118	767	997	-761	0	0	183	79	110	73			
1289+50.00	409	189	220	0	0	0	0	189	595	154	749	974	-785	0	0	220	79	110	110			
1289+75.00	381	162	219	0	0	0	0	162	506	146	652	848	-686	0	0	219	78	110	110			
1290+00.00	378	169	209	0	0	0	0	169	456	134	590	767	-598	0	0	209	72	101	109			
1290+25.00	375	170	205	0	0	0	0	170	459	136	595	773	-603	0	0	205	70	98	107			
1290+50.00	353	145	208	0	0	0	0	145	469	138	607	789	-644	0	0	208	72	101	107			
1290+75.00	336	130	206	0	0	0	0	130	471	139	610	793	-663	0	0	206	71	100	107			
1291+00.00	328	124	204	0	0	0	0	124	471	139	610	793	-669	0	0	204	70	98	106			
1291+25.00	320	118	202	0	0	0	0	118	466	138	604	785	-667	0	0	202	69	96	106			
Subtotals:	26,783	18,047	8,435	300	0	0	0	18,348	30,750	5,435	36,185	47,044	-28,698	0	0	8,435	4,705	6,590	1,845			

Preliminary 08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1291+25.00																						
1291+50.00	309	110	199	0	0	0	0	110	463	138	601	781	-671	0	0	199	67	94	105			
1291+75.00	300	103	196	0	0	0	0	103	465	138	603	784	-680	0	0	196	66	92	104			
1292+00.00	293	98	195	0	0	0	0	98	463	137	600	780	-682	0	0	195	65	91	104			
1292+25.00	284	66	193	24	0	0	0	91	457	137	594	772	-682	0	0	193	64	90	104			
1292+50.00	273	34	192	48	0	0	0	82	447	137	584	759	-677	0	0	192	63	88	104			
1292+75.00	265	28	190	47	0	0	0	75	426	137	563	732	-657	0	0	190	62	87	103			
1293+00.00	259	25	189	45	0	0	0	70	407	137	544	707	-637	0	0	189	61	86	103			
1293+25.00	281	17	219	44	0	0	0	62	426	160	587	763	-701	0	0	219	61	85	135			
1293+50.00	297	9	247	40	0	0	0	49	456	185	641	833	-784	0	0	247	59	83	165			
1293+75.00	280	7	241	33	0	0	0	39	475	185	660	858	-819	0	0	241	56	79	162			
1294+00.00	271	6	237	28	0	0	0	34	494	184	679	882	-848	0	0	237	55	77	160			
1294+25.00	268	6	235	26	0	0	0	33	510	184	694	903	-870	0	0	235	54	76	159			
1294+50.00	263	6	234	23	0	0	0	29	516	184	700	910	-882	0	0	234	54	75	159			
1294+75.00	260	6	234	20	0	0	0	26	528	185	713	927	-901	0	0	234	54	75	159			
1295+00.00	265	9	237	18	0	0	0	27	562	189	751	977	-950	0	0	237	54	75	162			
1295+25.00	267	9	240	17	0	0	0	26	587	195	782	1,017	-991	0	0	240	53	75	166			
1295+50.00	261	6	239	16	0	0	0	22	597	197	794	1,032	-1,010	0	0	239	53	74	166			
1295+75.00	260	6	240	14	0	0	0	20	620	198	818	1,064	-1,044	0	0	240	53	74	166			
1296+00.00	259	6	240	13	0	0	0	19	639	199	838	1,090	-1,071	0	0	240	53	75	165			
1296+25.00	283	8	269	6	0	0	0	15	685	227	912	1,185	-1,171	0	0	269	53	75	194			
1296+50.00	310	11	300	0	0	0	0	11	723	255	978	1,271	-1,261	0	0	300	53	75	225			
1296+75.00	309	10	300	0	0	0	0	10	717	257	973	1,265	-1,256	0	0	300	53	75	225			
1297+00.00	307	8	298	0	0	0	0	8	737	256	994	1,292	-1,284	0	0	298	54	75	223			
1297+25.00	307	8	299	0	0	0	0	8	763	256	1,019	1,325	-1,317	0	0	299	55	77	223			
1297+50.00	309	8	300	0	0	0	0	8	768	257	1,025	1,333	-1,325	0	0	300	55	77	223			
1297+75.00	311	8	303	0	0	0	0	8	767	259	1,026	1,334	-1,325	0	0	303	56	79	224			
1298+00.00	313	8	305	0	0	0	0	8	775	261	1,036	1,347	-1,338	0	0	305	57	80	225			
1298+25.00	310	6	304	0	0	0	0	6	818	265	1,083	1,409	-1,403	0	0	304	57	79	225			
1298+50.00	311	5	306	0	0	0	0	5	837	267	1,105	1,436	-1,432	0	0	306	57	80	226			
1298+75.00	316	6	310	0	0	0	0	6	832	267	1,100	1,429	-1,423	0	0	310	58	82	228			
1299+00.00	316	5	311	0	0	0	0	5	864	270	1,134	1,474	-1,469	0	0	311	59	82	229			
1299+25.00	315	3	311	0	0	0	0	3	901	274	1,175	1,528	-1,524	0	0	311	59	82	229			
1299+50.00	315	2	312	0	0	0	0	2	934	277	1,211	1,575	-1,573	0	0	312	59	83	230			
1299+75.00	315	1	314	0	0	0	0	1	966	281	1,247	1,621	-1,620	0	0	314	59	83	231			
1300+00.00	316	1	316	0	0	0	0	1	999	284	1,284	1,669	-1,668	0	0	316	59	83	232			
1300+25.00	230	8	222	0	0	0	0	8	927	199	1,126	1,464	-1,456	0	0	222	60	84	138			
1300+50.00	146	18	128	0	0	0	0	18	814	111	924	1,202	-1,184	0	0	128	61	85	43			
1300+75.00	157	27	130	0	0	0	0	27	771	109	880	1,145	-1,118	0	0	130	63	88	42			
1301+00.00	169	37	131	0	0	0	0	37	711	107	819	1,065	-1,027	0	0	131	64	90	42			
1301+25.00	174	43	131	0	0	0	0	43	629	106	735	955	-912	0	0	131	64	90	41			
1301+50.00	182	50	132	0	0	0	0	50	563	104	667	867	-816	0	0	132	64	90	42			
1301+75.00	193	61	131	0	0	0	0	61	489	101	591	768	-707	0	0	131	65	90	41			
1302+00.00	199	69	130	0	0	0	0	69	400	99	499	648	-580	0	0	130	64	90	40			
1302+25.00	173	76	97	0	0	0	0	76	332	73	405	526	-451	0	0	97	64	90	7			
1302+50.00	139	76	64	0	0	0	0	76	325	48	373	485	-410	0	0	64	63	88	-25			
1302+75.00	129	65	64	0	0	0	0	65	379	49	428	557	-492	0	0	64	62	87	-23			
1303+00.00	126	62	64	0	0	0	0	62	449	50	499	649	-587	0	0	64	62	87	-23			
1303+25.00	128	63	65	0	0	0	0	63	507	51	558	725	-662	0	0	65	63	88	-23			
1303+50.00	129	63	66	0	0	0	0	63	551	52	602	783	-720	0	0	66	64	89	-23			
1303+75.00	126	60	66	0	0	0	0	60	575	52	627	816	-756	0	0	66	64	89	-24			
1304+00.00	120	55	66	0	0	0	0	55	592	53	645	839	-784	0	0	66	64	90	-24			
1304+25.00	118	51	66	0	0	0	0	51	627	54	681	886	-834	0	0	66	64	90	-24			
1304+50.00	113	47	67	0	0	0	0	47	663	55	718	933	-887	0	0	67	65	91	-24			
1304+75.00	99	33	66	0	0	0	0	33	710	56	766	996	-963	0	0	66	63	89	-23			
1305+00.00	96	30	66	0	0	0	0	30	740	56	796	1,034	-1,004	0	0	66	62	87	-22			
1305+25.00	101	36	65	0	0	0	0	36	711	54	766	996	-960	0	0	65	61	85	-20			
1305+50.00	99	35	64	0	0	0	0	35	659	53	712	926	-891	0	0	64	59	82	-18			
1305+75.00	100	37	63	0	0	0	0	37	603	52	656	852	-816	0	0	63	57	79	-17			
1306+00.00	100	38	62	0	0	0	0	38	521	51	572	744	-706	0	0	62	54	76	-14			
1306+25.00	102	42	60	0	0	0	0	42	396	49	445	578	-536	0	0	60	52	72	-12			
1306+50.00	112	53	59	0	0	0	0	53	255	46	301	391	-338	0	0	59	49	69	-10			
1306+75.00	136	78	58	0	0	0	0	78	132	32	164	214	-136	0	0	58	48	67	-9			
1307+00.00	197	140	57	0	0	0	0	140	69	17	86	112	28	0	0	57	46	64	-7			
1307+25.00	283	227	56	0	0	0	0	227	53	13	66	85	142	0	0	56	44	61	-5			
1307+50.00	356	301	54	0	0	0	0	301	43	10	53	69	233	0	0	54	40	57	-2			
1307+75.00	369	317	53	0	0	0	0	317	41	9	50	65	252	0	0	53	37	51	1			
1308+00.00	389	338	51	0	0	0	0	338	41	9	50	66	272	0	0	51	33	46	5			
1308+25.00	423	374	49	0	0	0	0	374	37	9	46	59	315	0	0	49	29	41	8			
Subtotals:	15,887	3,667	11,758	463	0	0	0	4,130	37,942	9,410	47,352	61,561	-57,434	0	0	11,758	3,881	5,437	6,322			

Preliminary 08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1308+25.00	437	386	50	0	0	0	0	386	42	10	52	68	318	0	0	50	33	46	5			
1308+50.00	478	423	55	0	0	0	0	423	43	10	53	70	354	0	0	55	43	60	-5			
1308+75.00	443	383	60	0	0	0	0	383	54	12	66	86	297	0	0	60	51	71	-11			
1309+00.00	318	256	63	0	0	0	0	256	85	19	104	136	120	0	0	63	56	78	-16			
1309+25.00	219	155	65	0	0	0	0	155	178	34	212	276	-121	0	0	65	60	84	-19			
1309+50.00	165	98	67	0	0	0	0	98	367	48	415	540	-442	0	0	67	63	88	-22			
1309+75.00	134	65	69	0	0	0	0	65	595	54	649	843	-778	0	0	69	67	93	-25			
1310+00.00	241	27	214	0	0	0	0	27	972	185	1,156	1,503	-1,476	0	0	214	71	99	115			
1310+25.00	368	1	366	0	0	0	0	1	1,333	322	1,655	2,151	-2,150	0	0	366	76	106	260			
1310+50.00	384	2	382	0	0	0	0	2	1,534	338	1,872	2,434	-2,432	0	0	382	82	114	268			
1310+75.00	397	2	395	0	0	0	0	2	1,706	351	2,057	2,674	-2,672	0	0	395	86	121	274			
1311+00.00	410	4	406	0	0	0	0	4	1,830	360	2,189	2,846	-2,842	0	0	406	91	127	279			
1311+25.00	431	13	419	0	0	0	0	13	1,915	364	2,279	2,963	-2,950	0	0	419	96	135	284			
1311+50.00	442	19	423	0	0	0	0	19	1,973	372	2,345	3,049	-3,030	0	0	423	98	137	286			
1311+75.00	447	21	426	0	0	0	0	21	2,022	373	2,394	3,113	-3,092	0	0	426	99	138	288			
1312+00.00	450	19	431	0	0	0	0	19	2,060	370	2,429	3,158	-3,139	0	0	431	100	141	290			
1312+25.00	447	15	431	0	0	0	0	15	2,057	372	2,429	3,158	-3,142	0	0	431	101	141	290			
1312+50.00	449	18	432	0	0	0	0	18	2,041	371	2,411	3,135	-3,117	0	0	432	101	142	290			
1312+75.00	456	23	433	0	0	0	0	23	2,027	368	2,396	3,115	-3,092	0	0	433	102	143	290			
1313+00.00	450	22	429	0	0	0	0	22	1,998	364	2,362	3,071	-3,050	0	0	429	100	141	288			
1313+25.00	438	18	420	0	0	0	0	18	1,920	357	2,277	2,960	-2,942	0	0	420	97	136	284			
1313+50.00	441	27	414	0	0	0	0	27	1,807	346	2,152	2,798	-2,771	0	0	414	95	133	281			
1313+75.00	460	48	413	0	0	0	0	48	1,669	331	2,001	2,601	-2,553	0	0	413	95	132	280			
1314+00.00	360	127	233	0	0	0	0	127	1,325	181	1,506	1,958	-1,831	0	0	233	95	133	101			
1314+25.00	183	96	54	0	0	32	0	128	926	37	963	1,253	-1,125	0	0	54	95	134	-79			
1314+50.00	172	0	54	0	0	118	0	118	672	35	706	918	-800	0	0	54	94	132	-79			
1314+75.00	261	0	53	0	0	209	0	209	503	32	535	696	-487	0	0	53	92	129	-76			
1315+00.00	335	0	52	0	0	283	0	283	370	30	400	520	-237	0	0	52	89	125	-73			
1315+25.00	402	0	50	0	0	352	0	352	213	28	241	313	39	0	0	50	86	120	-70			
1315+50.00	466	0	49	0	0	416	0	416	95	20	115	149	268	0	0	49	82	115	-66			
1315+75.00	533	0	48	0	0	485	0	485	45	10	55	72	413	0	0	48	78	110	-62			
1316+00.00	600	0	47	0	0	554	0	554	32	6	38	49	505	0	0	47	75	104	-58			
1316+25.00	624	258	45	26	0	295	0	579	29	5	34	45	534	0	0	45	70	99	-54			
1316+50.00	624	541	44	39	0	0	0	580	28	5	34	44	536	0	0	44	66	93	-49			
1316+75.00	609	550	42	16	0	0	0	567	24	5	29	37	530	0	0	42	62	86	-44			
1317+00.00	571	528	40	3	0	0	0	531	19	4	23	30	501	0	0	40	56	79	-39			
1317+25.00	521	483	38	0	0	0	0	483	15	3	18	24	459	0	0	38	51	71	-33			
1317+50.00	426	390	36	0	0	0	0	390	12	3	15	20	370	0	0	36	45	63	-27			
1317+75.00	339	304	35	0	0	0	0	304	10	3	13	17	288	0	0	35	39	55	-21			
1318+00.00	296	138	34	0	0	125	0	263	8	2	10	14	249	0	0	34	35	49	-16			
1318+25.00	281	1	33	0	0	247	0	249	6	2	8	11	238	0	0	33	31	44	-11			
1318+50.00	299	1	33	0	0	264	0	266	4	2	6	8	258	0	0	33	32	44	-11			
1318+75.00	362	1	35	0	0	326	0	327	4	1	5	7	321	0	0	35	37	52	-17			
1319+00.00	489	1	37	0	0	450	0	451	3	1	5	6	445	0	0	37	44	62	-25			
1319+25.00	654	1	40	0	0	613	0	614	3	1	4	5	609	0	0	40	52	72	-33			
1319+50.00	855	1	42	0	0	811	0	812	2	1	3	4	808	0	0	42	58	82	-40			
1319+75.00	1,077	1	44	0	0	1,031	0	1,032	2	1	3	4	1,029	0	0	44	64	90	-46			
1320+00.00	1,283	2	70	0	0	567	644	569	3	1	4	5	564	0	0	70	70	98	-28			
1320+25.00	1,463	2	96	0	0	0	1,365	2	3	2	5	6	-4	0	0	96	74	104	-8			
1320+50.00	1,612	2	98	0	0	0	1,512	2	3	2	4	6	-4	0	0	98	77	108	-10			
1320+75.00	1,733	2	100	0	0	0	1,631	2	2	2	4	5	-3	0	0	100	80	112	-12			
1321+00.00	1,789	2	101	0	0	0	1,687	2	2	1	3	4	-2	0	0	101	81	114	-13			
1321+25.00	1,784	2	101	0	0	0	1,681	2	1	1	3	3	-2	0	0	101	81	113	-12			
1321+50.00	1,738	2	99	0	0	0	1,637	2	1	1	2	2	0	0	0	99	78	109	-10			
1321+75.00	1,652	2	97	0	0	0	1,553	2	1	1	1	1	1	0	0	97	75	105	-8			
1322+00.00	1,624	2	152	124	0	0	1,345	126	2	2	4	6	121	0	0	152	71	99	54			
1322+25.00	1,573	3	205	242	0	0	1,123	244	4	4	8	10	234	0	0	205	66	92	113			
1322+50.00	1,392	2	190	227	0	0	973	229	2	2	5	6	223	0	0	190	61	85	105			
1322+75.00	1,201	1	175	213	0	0	812	214	1	1	1	2	212	0	0	175	56	79	96			
1323+00.00	1,008	1	167	203	0	0	638	204	1	1	1	1	202	0	0	167	51	71	96			
1323+25.00	800	1	157	194	0	0	449	194	0	0	1	1	193	0	0	157	45	63	94			
1323+50.00	599	2	149	179	0	0	270	181	1	1	2	3	178	0	0	149	38	54	95			
1323+75.00	406	2	145	136	0	0	123	138	10	9	19	25	113	0	0	145	36	50	95			
1324+00.00	239	0	147	61	0	0	30	61	54	43	97	126	-65	0	0	147	38	53	94			
1324+25.00	174	13	152	9	0	0	0	22	155	93	248	323	-301	0	0	152	40	57	96			
1324+50.00	181	23	158	0	0	0	0	23	286	122	408	530	-508	0	0	158	43	60	98			
1324+75.00	177	14	163	0	0	0	0	14	395	133	529	687	-673	0	0	163	46	64	100			
1325+00.00	173	7	167	0	0	0	0	7	497	142	639	831	-824	0	0	167	48	67	100			
1325+25.00																						
Subtotals:	42,844	5,553	10,969	1,671	0	7,178	17,472	14,402	36,002	6,712	42,714	55,531	-41,129	0	0	10,969	4,644	6,506	4,464			

Preliminary 08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1325+25.00	173	3	170	0	0	0	0	3	575	148	723	940	-937	0	0	170	51	72	99			
1325+50.00	175	1	174	0	0	0	0	1	605	154	758	986	-985	0	0	174	54	76	98			
1325+75.00	187	2	184	0	0	0	0	2	631	162	793	1,031	-1,029	0	0	184	57	80	104			
1326+00.00	217	4	213	0	0	0	0	4	704	171	875	1,137	-1,133	0	0	213	60	84	129			
1326+25.00	160	11	149	0	0	0	0	11	741	116	856	1,113	-1,102	0	0	149	62	86	63			
1326+50.00	82	18	64	0	0	0	0	18	684	55	739	961	-943	0	0	64	60	84	-20			
1326+75.00	76	13	63	0	0	0	0	13	597	54	650	846	-832	0	0	63	29	41	22			
1327+00.00	76	16	61	0	0	0	0	16	445	50	495	644	-628	0	0	61	25	35	26			
1327+25.00	89	30	59	0	0	0	0	30	266	45	312	405	-375	0	0	59	48	68	-9			
1327+50.00	116	58	58	0	0	0	0	58	136	35	171	222	-164	0	0	58	46	65	-6			
1327+75.00	186	114	58	14	0	0	0	128	50	17	67	88	41	0	0	58	46	64	-6			
1328+00.00	287	177	57	54	0	0	0	230	10	4	15	19	211	0	0	57	44	61	-5			
1328+25.00	423	327	56	40	0	0	0	367	1	1	1	2	365	0	0	56	40	56	-1			
1328+50.00	576	520	55	0	0	0	0	520	0	0	1	1	520	0	0	55	39	54	1			
1328+75.00	665	604	56	5	0	0	0	609	1	1	2	3	606	0	0	56	42	58	-2			
1329+00.00	582	485	59	38	0	0	0	522	2	1	3	4	518	0	0	59	48	67	-8			
1329+25.00	454	280	62	112	0	0	0	392	2	1	3	5	387	0	0	62	54	76	-14			
1329+50.00	470	205	65	200	0	0	0	405	3	1	4	5	400	0	0	65	59	83	-18			
1329+75.00	550	203	67	280	0	0	0	483	3	1	4	6	477	0	0	67	64	90	-23			
1330+00.00	881	670	52	159	0	0	0	829	3	1	4	5	824	0	0	52	69	96	-45			
1330+25.00	1,361	1,326	35	0	0	0	0	1,326	3	1	3	4	1,321	0	0	35	72	101	-66			
1330+50.00	1,521	1,485	36	0	0	0	0	1,485	3	1	4	5	1,480	0	0	36	73	103	-67			
1330+75.00	1,395	1,359	35	0	0	0	0	1,359	3	1	4	5	1,354	0	0	35	72	101	-65			
1331+00.00	1,244	1,208	34	0	0	2	0	1,210	3	1	4	6	1,205	0	0	34	68	95	-61			
1331+25.00	1,089	1,046	33	0	0	10	0	1,056	3	1	4	6	1,051	0	0	33	63	88	-55			
1331+50.00	924	872	31	0	0	21	0	893	3	1	4	6	887	0	0	31	57	80	-48			
1331+75.00	736	663	30	0	0	43	0	707	3	1	4	5	702	0	0	30	50	70	-41			
1332+00.00	632	534	69	0	0	29	0	563	6	4	9	12	551	0	0	69	43	60	9			
1332+25.00	535	429	106	0	0	0	0	429	8	7	15	20	409	0	0	106	37	51	55			
1332+50.00	355	254	101	0	0	0	0	254	9	7	16	21	233	0	0	101	32	45	56			
1332+75.00	264	165	99	0	0	0	0	165	10	8	19	25	141	0	0	99	30	42	57			
1333+00.00	200	101	99	0	0	0	0	101	18	16	34	44	57	0	0	99	30	42	57			
1333+25.00	162	62	99	0	0	0	0	62	29	23	52	68	-6	0	0	99	31	43	56			
1333+50.00	142	41	100	0	0	0	0	41	50	35	85	110	-69	0	0	100	32	45	55			
1333+75.00	125	21	102	2	0	0	0	23	83	55	138	180	-157	0	0	102	34	48	54			
1334+00.00	127	11	103	12	0	0	0	23	136	73	209	271	-248	0	0	103	36	51	53			
1334+25.00	127	12	105	10	0	0	0	22	188	83	271	352	-330	0	0	105	38	53	52			
1334+50.00	127	20	107	0	0	0	0	20	220	87	307	399	-379	0	0	107	40	56	51			
1334+75.00	128	20	109	0	0	0	0	20	234	89	323	419	-400	0	0	109	42	59	50			
1335+00.00	133	22	111	0	0	0	0	22	227	90	317	412	-390	0	0	111	44	62	49			
1335+25.00	137	24	113	0	0	0	0	24	216	90	306	398	-374	0	0	113	46	65	48			
1335+50.00	140	26	114	0	0	0	0	26	199	89	288	375	-349	0	0	114	48	68	46			
1335+75.00	148	32	116	0	0	0	0	32	185	81	266	346	-314	0	0	116	51	71	45			
1336+00.00	160	42	118	0	0	0	0	42	176	75	251	326	-284	0	0	118	53	75	44			
1336+25.00	178	57	121	0	0	0	0	57	183	81	264	343	-286	0	0	121	56	79	43			
1336+50.00	203	79	125	0	0	0	0	79	204	88	291	379	-300	0	0	125	59	83	41			
1336+75.00	241	113	129	0	0	0	0	113	245	87	332	432	-319	0	0	129	63	88	40			
1337+00.00	281	148	133	0	0	0	0	148	338	87	425	553	-405	0	0	133	67	94	39			
1337+25.00	286	149	137	0	0	0	0	149	482	92	574	747	-597	0	0	137	70	99	38			
1337+50.00	263	124	139	0	0	0	0	124	652	99	751	976	-852	0	0	139	73	102	38			
1337+75.00	225	85	139	0	0	0	0	85	819	106	925	1,202	-1,117	0	0	139	72	102	38			
1338+00.00	179	41	137	0	0	0	0	41	966	112	1,078	1,402	-1,361	0	0	137	70	98	39			
1338+25.00	154	18	137	0	0	0	0	18	1,071	118	1,189	1,546	-1,528	0	0	137	69	96	40			
1338+50.00	151	13	138	0	0	0	0	13	1,118	121	1,239	1,611	-1,598	0	0	138	70	98	40			
1338+75.00	165	23	142	0	0	0	0	23	1,131	122	1,252	1,628	-1,605	0	0	142	73	103	39			
1339+00.00	182	36	146	0	0	0	0	36	1,136	121	1,258	1,635	-1,599	0	0	146	77	108	38			
1339+25.00	200	51	150	0	0	0	0	51	1,145	121	1,267	1,647	-1,596	0	0	150	80	112	38			
1339+50.00	245	89	156	0	0	0	0	89	1,158	121	1,279	1,662	-1,573	0	0	156	86	120	36			
1339+75.00	229	72	157	0	0	0	0	72	1,264	126	1,390	1,807	-1,735	0	0	157	85	120	37			
1340+00.00	364	29	290	45	0	0	0	74	1,575	221	1,796	2,335	-2,261	0	0	290	88	124	166			
1340+25.00	536	33	417	86	0	0	0	119	1,489	302	1,791	2,328	-2,209	0	0	417	94	132	285			
1340+50.00	518	33	407	78	0	0	0	111	1,161	293	1,454	1,890	-1,779	0	0	407	92	129	278			
1340+75.00	509	37	402	70	0	0	0	106	1,117	292	1,408	1,831	-1,725	0	0	402	90	126	277			
1341+00.00	501	42	397	62	0	0	0	104	1,069	288	1,357	1,765	-1,661	0	0	397	87	122	275			
1341+25.00	490	46	390	55	0	0	0	100	1,000	282	1,282	1,667	-1,567	0	0	390	85	119	270			
1341+50.00	480	49	383	48	0	0	0	97	951	277	1,227	1,596	-1,499	0	0	383	83	116	267			
1341+75.00	472	52	378	42	0	0	0	93	914	274	1,188	1,544	-1,451	0	0	378	81	114	265			
1342+00.00	318	73	225	19	0	0	0	93	758	162	920	1,196	-1,103	0	0	225	79	111	114			
1342+25.00																						
Subtotals:	25,707	15,010	9,163	1,429	0	105	0	16,544	29,418	5,930	35,348	45,956	-29,413	0	0	9,163	3,970	5,562	3,603			

Preliminary 08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1342+25.00																						
1342+50.00	201	127	74	0	0	0	0	127	622	51	673	875	-748	0	0	74	77	108	-35			
1342+75.00	229	156	73	0	0	0	0	156	605	51	656	853	-697	0	0	73	76	106	-33			
1343+00.00	221	149	72	0	0	0	0	149	599	51	650	845	-696	0	0	72	74	104	-32			
1343+25.00	216	145	72	0	0	0	0	145	600	51	651	846	-701	0	0	72	73	102	-30			
1343+50.00	210	139	71	0	0	0	0	139	589	50	639	831	-692	0	0	71	71	100	-29			
1343+75.00	203	133	70	0	0	0	0	133	582	50	632	821	-688	0	0	70	70	99	-28			
1344+00.00	199	129	70	0	0	0	0	129	578	50	628	817	-687	0	0	70	70	98	-28			
1344+25.00	173	85	70	18	0	0	0	103	577	50	628	816	-713	0	0	70	69	97	-27			
1344+50.00	157	44	70	44	0	0	0	88	564	50	615	799	-712	0	0	70	68	96	-26			
1344+75.00	167	49	69	49	0	0	0	99	539	50	588	765	-666	0	0	69	68	95	-26			
1345+00.00	168	54	68	46	0	0	0	101	513	49	562	731	-630	0	0	68	67	94	-26			
1345+25.00	171	60	67	43	0	0	0	103	500	48	549	713	-610	0	0	67	67	93	-26			
1345+50.00	176	69	67	40	0	0	0	109	495	48	543	705	-597	0	0	67	66	93	-26			
1345+75.00	182	78	67	37	0	0	0	115	477	48	525	682	-567	0	0	67	66	93	-26			
1346+00.00	186	86	67	34	0	0	0	120	456	47	503	655	-535	0	0	67	66	93	-26			
1346+25.00	188	106	66	16	0	0	0	122	438	47	485	631	-509	0	0	66	66	93	-26			
1346+50.00	190	123	67	0	0	0	0	123	436	47	483	628	-505	0	0	67	67	94	-27			
1346+75.00	196	128	67	0	0	0	0	128	441	47	488	635	-507	0	0	67	68	95	-28			
1347+00.00	205	137	68	0	0	0	0	137	447	47	494	642	-505	0	0	68	70	98	-30			
1347+25.00	213	145	68	0	0	0	0	145	449	47	496	645	-500	0	0	68	71	99	-31			
1347+50.00	215	147	68	0	0	0	0	147	445	47	492	639	-492	0	0	68	71	99	-31			
1347+75.00	216	148	69	0	0	0	0	148	455	47	502	653	-505	0	0	69	71	99	-31			
1348+00.00	221	152	69	0	0	0	0	152	464	47	511	665	-513	0	0	69	71	100	-31			
1348+25.00	230	141	69	19	0	0	0	160	470	47	517	672	-512	0	0	69	73	102	-33			
1348+50.00	238	132	71	35	0	0	0	167	484	48	532	692	-524	0	0	71	74	104	-33			
1348+75.00	244	143	71	30	0	0	0	173	486	48	534	694	-521	0	0	71	75	106	-34			
1349+00.00	243	151	71	22	0	0	0	172	488	48	537	698	-526	0	0	71	75	105	-34			
1349+25.00	234	152	71	11	0	0	0	164	490	48	538	699	-536	0	0	71	74	104	-33			
1349+50.00	224	151	70	3	0	0	0	154	486	48	534	694	-540	0	0	70	73	103	-33			
1349+75.00	211	142	69	0	0	0	0	142	494	48	542	705	-564	0	0	69	71	100	-31			
1350+00.00	190	114	68	9	0	0	0	122	490	49	538	700	-578	0	0	68	69	97	-29			
1350+25.00	163	88	66	9	0	0	0	97	476	48	525	682	-585	0	0	66	66	93	-27			
1350+50.00	134	69	65	0	0	0	0	69	488	50	538	699	-631	0	0	65	64	89	-24			
1350+75.00	112	48	64	0	0	0	0	48	492	50	542	704	-657	0	0	64	63	88	-24			
1351+00.00	101	39	62	0	0	0	0	39	482	48	530	690	-650	0	0	62	62	87	-25			
1351+25.00	96	33	63	0	0	0	0	33	497	51	548	713	-680	0	0	63	62	87	-24			
1351+50.00	89	25	64	0	0	0	0	25	515	53	568	738	-713	0	0	64	62	87	-23			
1351+75.00	83	19	63	0	0	0	0	19	523	53	576	748	-729	0	0	63	61	85	-21			
1352+00.00	79	16	63	0	0	0	0	16	528	54	582	757	-741	0	0	63	60	84	-21			
1352+25.00	78	14	64	0	0	0	0	14	527	55	582	757	-743	0	0	64	61	85	-22			
1352+50.00	81	17	64	0	0	0	0	17	524	55	579	753	-736	0	0	64	61	86	-23			
1352+75.00	75	12	62	0	0	0	0	12	552	55	607	790	-777	0	0	62	58	81	-18			
1353+00.00	73	10	62	0	0	0	0	10	587	56	643	836	-826	0	0	62	57	79	-17			
1353+25.00	80	16	64	0	0	0	0	16	608	56	664	863	-848	0	0	64	58	82	-18			
1353+50.00	82	17	64	0	0	0	0	17	592	56	648	842	-825	0	0	64	59	82	-18			
1353+75.00	83	19	64	0	0	0	0	19	554	55	609	792	-773	0	0	64	58	82	-18			
1354+00.00	79	14	63	2	0	0	0	16	526	54	580	754	-738	0	0	63	58	82	-18			
1354+25.00	74	4	63	7	0	0	0	11	498	53	551	716	-705	0	0	63	58	81	-18			
1354+50.00	82	13	63	6	0	0	0	19	469	53	521	678	-659	0	0	63	58	81	-18			
1354+75.00	90	27	63	0	0	0	0	27	444	52	496	645	-617	0	0	63	58	81	-19			
1355+00.00	100	37	63	0	0	0	0	37	408	51	459	596	-559	0	0	63	59	83	-20			
1355+25.00	117	53	64	0	0	0	0	53	381	50	430	560	-506	0	0	64	61	85	-21			
1355+50.00	107	30	65	0	0	12	0	42	400	49	449	583	-541	0	0	65	62	87	-22			
1355+75.00	94	0	65	0	0	28	0	28	425	49	474	616	-587	0	0	65	62	87	-22			
1356+00.00	101	0	64	0	0	37	0	37	451	48	499	649	-612	0	0	64	61	86	-22			
1356+25.00	123	39	64	0	0	20	0	59	491	48	539	701	-642	0	0	64	61	85	-21			
1356+50.00	142	78	65	0	0	0	0	78	530	49	579	753	-675	0	0	65	61	86	-21			
1356+75.00	142	77	65	0	0	0	0	77	550	49	599	779	-702	0	0	65	62	87	-22			
1357+00.00	137	72	65	0	0	0	0	72	573	50	623	810	-738	0	0	65	62	88	-23			
1357+25.00	132	66	66	0	0	0	0	66	609	51	660	858	-792	0	0	66	63	89	-23			
1357+50.00	143	77	67	0	0	0	0	77	646	51	697	906	-830	0	0	67	65	91	-24			
1357+75.00	162	94	68	0	0	0	0	94	668	51	719	934	-840	0	0	68	67	93	-25			
1358+00.00	173	104	69	0	0	0	0	104	682	51	732	952	-848	0	0	69	68	95	-26			
1358+25.00	182	113	69	0	0	0	0	113	710	51	760	988	-876	0	0	69	69	97	-27			
1358+50.00	197	127	70	0	0	0	0	127	711	50	761	990	-862	0	0	70	71	99	-29			
1358+75.00	199	129	70	0	0	0	0	129	683	50	733	952	-823	0	0	70	70	99	-29			
1359+00.00	190	121	69	0	0	0	0	121	649	49	698	908	-786	0	0	69	68	95	-27			
1359+25.00	183	115	67	0	0	0	0	115	631	49	680	884	-769	0	0	67	65	91	-24			
Subtotals:	10,677	5,549	4,550	481	0	97	0	6,127	35,835	3,408	39,243	51,020	-44,897	0	0	4,550	4,489	6,288	-1,741			

Preliminary 08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1359+25.00	169	103	66	0	0	0	0	103	625	48	674	876	-773	0	0	66	62	87	-21			
1359+50.00	151	87	64	0	0	0	0	87	589	48	637	828	-741	0	0	64	59	82	-18			
1359+75.00	135	73	62	0	0	0	0	73	550	47	597	776	-703	0	0	62	55	78	-15			
1360+00.00	127	66	61	0	0	0	0	66	504	46	550	716	-649	0	0	61	52	73	-12			
1360+25.00	126	67	59	0	0	0	0	67	436	45	480	624	-557	0	0	59	49	69	-10			
1360+50.00	133	75	58	0	0	0	0	75	351	43	394	512	-437	0	0	58	48	67	-9			
1360+75.00	152	94	58	0	0	0	0	94	272	40	312	406	-312	0	0	58	47	66	-9			
1361+00.00	177	120	58	0	0	0	0	120	212	37	250	325	-205	0	0	58	47	66	-8			
1361+25.00	198	141	57	0	0	0	0	141	173	34	207	270	-129	0	0	57	46	65	-8			
1361+50.00	212	155	57	0	0	0	0	155	146	31	177	230	-75	0	0	57	46	64	-7			
1361+75.00	219	162	56	0	0	0	0	162	122	27	149	194	-32	0	0	56	45	63	-6			
1362+00.00	212	157	55	0	0	0	0	157	105	25	130	169	-12	0	0	55	43	60	-5			
1362+25.00	228	173	55	0	0	0	0	173	88	21	108	141	33	0	0	55	43	60	-6			
1362+50.00	257	201	56	0	0	0	0	201	76	17	92	120	81	0	0	56	45	63	-7			
1362+75.00	280	225	56	0	0	0	0	225	63	14	77	100	125	0	0	56	45	64	-8			
1363+00.00	308	251	56	0	0	0	0	251	49	12	61	79	173	0	0	56	46	65	-8			
1363+25.00	350	293	57	0	0	0	0	293	37	9	46	60	233	0	0	57	47	66	-9			
1363+50.00	427	370	57	0	0	0	0	370	22	6	28	37	333	0	0	57	48	67	-10			
1363+75.00	476	418	58	0	0	0	0	418	16	4	20	26	392	0	0	58	49	69	-11			
1364+00.00	541	483	58	0	0	0	0	483	18	5	22	29	454	0	0	58	49	69	-11			
1364+25.00	664	606	58	0	0	0	0	606	19	5	23	30	576	0	0	58	50	70	-12			
1364+50.00	763	705	58	0	0	0	0	705	18	4	22	29	676	0	0	58	50	70	-12			
1364+75.00	845	786	59	0	0	0	0	786	16	4	19	25	761	0	0	59	52	73	-14			
1365+00.00	945	884	60	0	0	0	0	884	13	3	16	21	863	0	0	60	54	76	-16			
1365+25.00	1,070	1,008	62	0	0	0	0	1,008	11	3	14	18	991	0	0	62	58	81	-20			
1365+50.00	1,235	1,171	65	0	0	0	0	1,171	9	3	11	15	1,156	0	0	65	63	89	-24			
1365+75.00	1,375	1,308	67	0	0	0	0	1,308	8	3	10	13	1,295	0	0	67	69	97	-30			
1366+00.00	1,474	1,051	70	354	0	0	0	1,405	7	2	10	13	1,392	0	0	70	74	104	-35			
1366+25.00	1,568	805	71	693	0	0	0	1,497	6	2	9	11	1,486	0	0	71	77	108	-37			
1366+50.00	1,608	878	71	659	0	0	0	1,536	6	2	8	11	1,526	0	0	71	78	109	-38			
1366+75.00	1,614	909	71	634	0	0	0	1,543	6	3	8	11	1,532	0	0	71	77	108	-37			
1367+00.00	1,601	919	71	612	0	0	0	1,530	6	3	9	12	1,519	0	0	71	76	107	-36			
1367+25.00	1,586	925	70	591	0	0	0	1,515	7	3	10	13	1,503	0	0	70	75	106	-35			
1367+50.00	1,584	936	71	577	0	0	0	1,514	8	3	11	14	1,500	0	0	71	75	106	-35			
1367+75.00	1,596	969	71	556	0	0	0	1,525	8	3	11	14	1,511	0	0	71	76	106	-36			
1368+00.00	1,662	1,050	71	541	0	0	0	1,591	8	3	10	14	1,577	0	0	71	77	108	-37			
1368+25.00	1,687	1,102	71	515	0	0	0	1,616	7	3	10	13	1,604	0	0	71	77	107	-36			
1368+50.00	1,633	1,095	69	469	0	0	0	1,564	7	2	9	12	1,551	0	0	69	74	103	-34			
1368+75.00	1,566	1,066	68	433	0	0	0	1,499	6	3	8	11	1,488	0	0	68	71	100	-32			
1369+00.00	1,514	1,037	66	410	0	0	0	1,448	5	3	7	10	1,438	0	0	66	68	96	-30			
1369+25.00	759	513	45	201	0	0	0	714	2	1	3	5	710	0	0	45	33	47	-2			
1369+50.00	24	0	24	0	0	0	0	0	0		0	0	0	0	0	24	0	0	24			
1369+75.00	24	0	24	0	0	0	0	0	0		0	0	0	0	0	24	0	0	24			
1370+00.00	24	0	24	0	0	0	0	0	0		0	0	0	0	0	24	0	0	24			
1370+25.00	24	0	24	0	0	0	0	0	0		0	0	0	0	0	24	0	0	24			
1370+50.00	24	0	24	0	0	0	0	0	0		0	0	0	0	0	24	0	0	24			
1370+75.00	25	0	25	0	0	0	0	0	0		0	0	0	0	0	25	0	0	25			
1371+00.00	26	0	26	0	0	0	0	0	0		0	0	0	0	0	26	0	0	26			
1371+25.00	26	0	26	0	0	0	0	0	0		0	0	0	0	0	26	0	0	26			
1371+50.00	27	0	27	0	0	0	0	0	0		0	0	0	0	0	27	0	0	27			
1371+75.00	26	0	26	0	0	0	0	0	0		0	0	0	0	0	26	0	0	26			
1372+00.00	26	0	26	0	0	0	0	0	0		0	0	0	0	0	26	0	0	26			
1372+25.00	38	0	38	0	0	0	0	0	0		0	0	0	0	0	38	0	0	38			
1372+50.00	50	0	50	0	0	0	0	0	0		0	0	0	0	0	50	0	0	50			
1372+75.00	49	0	49	0	0	0	0	0	0		0	0	0	0	0	49	0	0	49			
1373+00.00	499	447	51	0	0	0	0	447	1	1	2	2	445	0	0	51	20	29	23			
1373+25.00	922	868	54	0	0	0	0	868	1	1	3	4	864	0	0	54	41	57	-4			
1373+50.00	857	803	54	0	0	0	0	803	2	1	3	4	799	0	0	54	40	57	-3			
1373+75.00	771	717	54	0	0	0	0	717	2	2	4	5	713	0	0	54	40	56	-2			
1374+00.00	646	596	50	0	0	0	0	596	1	1	2	2	594	0	0	50	36	51	-1			
1374+25.00	505	459	46	0	0	0	0	459	0	0	0	0	459	0	0	46	32	45	1			
1374+50.00	358	313	45	0	0	0	0	313	1	0	1	1	312	0	0	45	31	43	3			
1374+75.00	232	186	46	0	0	0	0	186	4	1	5	6	180	0	0	46	30	43	4			
1375+00.00	177	129	48	0	0	0	0	129	19	11	30	39	91	0	0	48	33	46	2			
1375+25.00	167	117	50	0	0	0	0	117	58	23	81	105	11	0	0	50	36	50	0			
1375+50.00	173	120	53	0	0	0	0	120	99	29	128	166	-46	0	0	53	40	56	-4			
1375+75.00	173	119	54	0	0	0	0	119	134	32	166	216	-96	0	0	54	43	60	-6			
1376+00.00	163	108	54	0	0	0	0	108	172	35	206	268	-160	0	0	54	44	61	-7			
1376+25.00																						
Subtotals:	39,286	28,419	3,624	7,243	0	0	0	35,662	5,127	753	5,880	7,646	28,017	0	0	3,624	2,845	3,985	-362			

Preliminary
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Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1376+25.00	154	96	55	2	0	0	0	98	228	37	266	346	-247	0	0	55	46	64	-9			
1376+50.00	149	85	56	8	0	0	0	92	292	40	332	431	-339	0	0	56	48	67	-11			
1376+75.00	144	73	57	14	0	0	0	87	355	41	397	516	-429	0	0	57	50	69	-12			
1377+00.00	132	53	58	22	0	0	0	74	418	43	461	599	-525	0	0	58	50	70	-13			
1377+25.00	115	28	58	30	0	0	0	57	470	45	514	669	-612	0	0	58	50	71	-13			
1377+50.00	101	9	58	34	0	0	0	43	518	47	565	734	-691	0	0	58	51	71	-13			
1377+75.00	85	2	58	25	0	0	0	27	567	49	615	800	-773	0	0	58	50	71	-13			
1378+00.00	72	0	58	14	0	0	0	15	623	50	673	875	-860	0	0	58	50	70	-13			
1378+25.00	67	3	58	6	0	0	0	9	663	52	715	929	-920	0	0	58	51	71	-13			
1378+50.00	64	5	59	0	0	0	0	5	690	53	743	966	-961	0	0	59	52	73	-15			
1378+75.00	60	3	57	0	0	0	0	3	708	54	762	990	-988	0	0	57	50	70	-12			
1379+00.00	57	0	56	0	0	0	0	0	744	55	799	1,039	-1,039	0	0	56	47	66	-10			
1379+25.00	58	1	58	0	0	0	0	1	794	56	850	1,105	-1,105	0	0	58	49	69	-11			
1379+50.00	58	1	58	0	0	0	0	1	800	56	856	1,113	-1,112	0	0	58	49	69	-11			
1379+75.00	58	1	57	0	0	0	0	1	779	56	835	1,085	-1,085	0	0	57	48	68	-11			
1380+00.00	58	0	57	0	0	0	0	1	757	55	812	1,056	-1,055	0	0	57	48	67	-11			
1380+25.00	56	0	56	0	0	0	0	1	707	54	761	989	-989	0	0	56	46	64	-9			
1380+50.00	64	0	57	7	0	0	0	7	612	52	664	864	-857	0	0	57	48	67	-10			
1380+75.00	80	1	59	20	0	0	0	21	495	50	544	708	-687	0	0	59	52	73	-14			
1381+00.00	97	14	59	24	0	0	0	38	375	47	422	549	-511	0	0	59	52	73	-14			
1381+25.00	120	46	59	15	0	0	0	61	248	44	292	380	-319	0	0	59	52	73	-14			
1381+50.00	158	94	59	6	0	0	0	100	123	35	158	206	-106	0	0	59	52	74	-15			
1381+75.00	216	156	59	1	0	0	0	157	47	20	67	87	70	0	0	59	53	75	-16			
1382+00.00	285	226	59	0	0	0	0	226	20	8	28	36	190	0	0	59	53	74	-15			
1382+25.00	361	303	59	0	0	0	0	303	9	4	13	17	286	0	0	59	52	73	-14			
1382+50.00	433	365	59	9	0	0	0	374	6	3	9	12	363	0	0	59	52	72	-13			
1382+75.00	487	415	59	13	0	0	0	429	5	3	8	10	419	0	0	59	51	71	-13			
1383+00.00	541	478	58	5	0	0	0	482	4	3	7	9	473	0	0	58	50	70	-12			
1383+25.00	576	518	58	0	0	0	0	518	3	3	6	8	511	0	0	58	48	68	-10			
1383+50.00	588	531	57	0	0	0	0	531	3	2	5	7	525	0	0	57	46	65	-8			
1383+75.00	573	518	55	0	0	0	0	518	3	2	5	7	511	0	0	55	43	61	-6			
1384+00.00	525	471	53	0	0	0	0	471	4	2	6	8	464	0	0	53	39	55	-2			
1384+25.00	492	440	52	0	0	0	0	440	4	2	6	8	432	0	0	52	37	52	0			
1384+50.00	456	405	52	0	0	0	0	405	4	3	7	9	396	0	0	52	37	52	0			
1384+75.00	393	342	51	0	0	0	0	342	6	3	9	12	330	0	0	51	36	50	1			
1385+00.00	322	272	50	0	0	0	0	272	8	3	11	14	258	0	0	50	35	48	2			
1385+25.00	256	207	49	0	0	0	0	207	11	4	15	20	187	0	0	49	34	47	2			
1385+50.00	217	168	49	0	0	0	0	168	15	6	21	27	141	0	0	49	34	47	2			
1385+75.00	215	165	50	0	0	0	0	165	17	7	24	31	134	0	0	50	34	48	2			
1386+00.00	239	188	51	0	0	0	0	188	15	5	21	27	161	0	0	51	36	50	1			
1386+25.00	269	216	52	0	0	0	0	216	15	4	19	24	192	0	0	52	39	54	-2			
1386+50.00	279	226	54	0	0	0	0	226	17	5	22	29	197	0	0	54	41	58	-4			
1386+75.00	247	193	54	0	0	0	0	193	23	8	31	40	152	0	0	54	42	59	-5			
1387+00.00	186	133	54	0	0	0	0	133	33	11	44	58	75	0	0	54	41	57	-3			
1387+25.00	145	93	52	0	0	0	0	93	40	12	53	69	24	0	0	52	38	53	-1			
1387+50.00	136	85	51	0	0	0	0	85	43	13	56	73	12	0	0	51	35	49	2			
1387+75.00	159	109	51	0	0	0	0	109	36	12	47	62	47	0	0	51	34	48	3			
1388+00.00	214	163	51	0	0	0	0	163	24	7	31	41	122	0	0	51	34	48	3			
1388+25.00	312	260	51	0	0	0	0	260	20	5	25	32	228	0	0	51	35	49	2			
1388+50.00	423	163	52	208	0	0	0	371	20	5	25	32	339	0	0	52	37	51	1			
1388+75.00	508	0	53	455	0	0	0	455	19	4	24	31	424	0	0	53	38	54	-1			
1389+00.00	589	0	54	535	0	0	0	535	18	4	23	29	505	0	0	54	40	56	-2			
1389+25.00	681	0	55	627	0	0	0	627	17	4	21	28	599	0	0	55	42	60	-5			
1389+50.00	777	0	56	721	0	0	0	721	16	4	20	26	695	0	0	56	45	63	-7			
1389+75.00	858	0	57	800	0	0	0	800	15	4	19	25	776	0	0	57	48	68	-10			
1390+00.00	937	0	59	878	0	0	0	878	15	4	19	25	853	0	0	59	51	71	-13			
1390+25.00	1,016	0	60	956	0	0	0	956	16	4	19	25	931	0	0	60	53	75	-15			
1390+50.00	1,087	530	61	496	0	0	0	1,026	16	4	20	26	1,001	0	0	61	56	78	-17			
1390+75.00	1,146	1,084	62	0	0	0	0	1,084	16	4	20	26	1,058	0	0	62	58	81	-19			
1391+00.00	1,178	1,115	63	0	0	0	0	1,115	16	4	20	26	1,089	0	0	63	60	84	-21			
1391+25.00	1,196	1,132	64	0	0	0	0	1,132	16	4	19	25	1,107	0	0	64	62	86	-22			
1391+50.00	1,190	1,125	65	0	0	0	0	1,125	16	4	20	26	1,099	0	0	65	64	89	-24			
1391+75.00	1,184	1,118	66	0	0	0	0	1,118	17	4	21	27	1,091	0	0	66	65	91	-25			
1392+00.00	1,162	1,096	66	0	0	0	0	1,096	19	4	23	30	1,066	0	0	66	66	92	-26			
1392+25.00	1,135	1,069	66	0	0	0	0	1,069	20	5	25	33	1,036	0	0	66	65	92	-25			
1392+50.00	1,092	1,026	66	0	0	0	0	1,026	23	5	28	36	990	0	0	66	65	91	-25			
1392+75.00	1,050	984	66	0	0	0	0	984	24	6	30	39	945	0	0	66	64	90	-24			
1393+00.00	1,009	943	66	0	0	0	0	943	26	6	32	41	902	0	0	66	63	89	-23			
1393+25.00																						
Subtotals:	29,345	19,542	3,872	5,931	0	0	0	25,473	12,748	1,310	14,058	18,278	7,196	0	0	3,872	3,241	4,541	-671			

Preliminary 08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1393+25.00	940	876	64	0	0	0	0	876	26	6	33	42	833	0	0	64	63	88	-24			
1393+50.00	848	790	58	0	0	0	0	790	24	5	29	38	752	0	0	58	61	86	-28			
1393+75.00	772	716	56	0	0	0	0	716	25	5	30	40	677	0	0	56	60	84	-28			
1394+00.00	736	676	61	0	0	0	0	676	28	7	35	46	630	0	0	61	59	83	-22			
1394+25.00	694	632	62	0	0	0	0	632	30	8	38	49	583	0	0	62	58	81	-19			
1394+50.00	659	598	62	0	0	0	0	598	33	8	40	53	545	0	0	62	56	79	-17			
1394+75.00	610	549	61	0	0	0	0	549	37	9	46	60	490	0	0	61	54	76	-16			
1395+00.00	544	485	60	0	0	0	0	485	49	12	60	79	406	0	0	60	52	73	-14			
1395+25.00	471	412	59	0	0	0	0	412	63	15	78	101	311	0	0	59	51	72	-13			
1395+50.00	373	314	59	0	0	0	0	314	86	18	104	135	179	0	0	59	50	70	-12			
1395+75.00	251	194	57	0	0	0	0	194	128	25	153	199	-5	0	0	57	47	66	-9			
1396+00.00	160	105	55	0	0	0	0	105	194	34	228	297	-192	0	0	55	43	60	-5			
1396+25.00	121	67	54	0	0	0	0	67	269	39	308	401	-334	0	0	54	41	58	-3			
1396+50.00	117	62	55	0	0	0	0	62	327	41	368	478	-417	0	0	55	42	59	-4			
1396+75.00	126	70	57	0	0	0	0	70	364	42	406	528	-459	0	0	57	45	64	-7			
1397+00.00	140	81	59	0	0	0	0	81	384	42	427	555	-473	0	0	59	49	69	-10			
1397+25.00	150	89	60	0	0	0	0	89	409	43	452	588	-498	0	0	60	52	73	-13			
1397+50.00	159	97	62	0	0	0	0	97	434	44	478	622	-525	0	0	62	54	76	-15			
1397+75.00	157	95	62	0	0	0	0	95	435	44	479	623	-528	0	0	62	54	76	-15			
1398+00.00	140	45	60	0	0	34	0	80	420	44	464	603	-524	0	0	60	52	73	-13			
1398+25.00	122	0	59	0	0	63	0	63	414	44	458	596	-533	0	0	59	50	70	-11			
1398+50.00	109	0	58	0	0	51	0	51	424	45	468	609	-558	0	0	58	48	68	-9			
1398+75.00	98	0	58	0	0	40	0	40	432	45	477	621	-580	0	0	58	47	66	-8			
1399+00.00	86	0	57	0	0	29	0	29	429	45	474	616	-588	0	0	57	46	65	-8			
1399+25.00	75	6	57	0	0	12	0	18	410	45	455	591	-573	0	0	57	46	64	-8			
1399+50.00	80	22	57	0	0	1	0	24	409	46	455	591	-567	0	0	57	46	64	-7			
1399+75.00	92	35	57	0	0	0	0	35	424	46	470	611	-576	0	0	57	46	64	-7			
1400+00.00	94	37	57	0	0	0	0	37	412	46	457	595	-557	0	0	57	45	64	-7			
1400+25.00	93	37	57	0	0	0	0	37	396	46	442	575	-538	0	0	57	45	63	-6			
1400+50.00	90	34	57	0	0	0	0	34	385	46	432	561	-528	0	0	57	44	62	-6			
1400+75.00	89	32	57	0	0	0	0	32	360	46	407	529	-497	0	0	57	44	62	-5			
1401+00.00	90	33	57	0	0	0	0	33	355	46	401	522	-489	0	0	57	44	62	-6			
1401+25.00	89	32	57	0	0	0	0	32	360	46	406	528	-496	0	0	57	44	62	-6			
1401+50.00	87	30	57	0	0	0	0	30	369	47	415	540	-510	0	0	57	44	62	-5			
1401+75.00	88	31	57	0	0	0	0	31	377	47	424	551	-520	0	0	57	45	62	-5			
1402+00.00	88	31	57	0	0	0	0	31	383	47	430	559	-528	0	0	57	45	63	-6			
1402+25.00	88	30	58	0	0	0	0	30	405	47	452	588	-557	0	0	58	45	64	-6			
1402+50.00	89	32	58	0	0	0	0	32	408	47	456	592	-561	0	0	58	46	64	-7			
1402+75.00	91	33	58	0	0	0	0	33	413	48	461	600	-567	0	0	58	47	65	-7			
1403+00.00	89	31	58	0	0	0	0	31	432	48	480	625	-594	0	0	58	47	66	-7			
1403+25.00	88	29	58	0	0	0	0	29	450	49	499	648	-619	0	0	58	47	65	-7			
1403+50.00	89	30	59	0	0	0	0	30	464	49	512	666	-636	0	0	59	47	66	-7			
1403+75.00	87	29	58	0	0	0	0	29	473	48	521	677	-648	0	0	58	47	65	-7			
1404+00.00	85	14	58	13	0	0	0	27	531	48	580	754	-726	0	0	58	47	66	-8			
1404+25.00	84	0	58	25	0	0	0	25	586	49	635	826	-801	0	0	58	48	67	-8			
1404+50.00	81	0	59	22	0	0	0	22	588	50	638	830	-807	0	0	59	48	67	-8			
1404+75.00	78	0	59	19	0	0	0	19	585	51	636	827	-808	0	0	59	48	68	-9			
1405+00.00	67	0	59	8	0	0	0	8	600	55	654	850	-842	0	0	59	24	34	25			
1405+25.00	57	0	56	0	0	0	0	0	599	55	654	850	-850	0	0	56	19	27	29			
1405+50.00	53	0	53	1	0	0	0	1	584	51	635	826	-826	0	0	53	37	52	1			
1405+75.00	53	0	52	0	0	0	0	0	600	51	651	846	-846	0	0	52	36	50	2			
1406+00.00	53	0	53	0	0	0	0	0	623	52	675	878	-877	0	0	53	37	51	2			
1406+25.00	54	0	53	0	0	0	0	0	631	52	683	888	-887	0	0	53	37	52	1			
1406+50.00	54	0	53	0	0	0	0	0	629	52	681	885	-885	0	0	53	37	53	1			
1406+75.00	54	0	53	0	0	0	0	0	629	52	681	885	-884	0	0	53	38	53	0			
1407+00.00	54	0	53	0	0	0	0	0	633	52	684	890	-890	0	0	53	39	54	-1			
1407+25.00	54	0	54	0	0	0	0	0	650	52	702	913	-913	0	0	54	39	55	-1			
1407+50.00	54	0	54	0	0	0	0	0	656	52	709	921	-921	0	0	54	40	55	-2			
1407+75.00	54	0	54	0	0	0	0	0	670	53	723	940	-939	0	0	54	40	56	-2			
1408+00.00	55	0	54	0	0	0	0	0	686	53	739	961	-961	0	0	54	41	57	-3			
1408+25.00	55	0	55	0	0	0	0	0	689	54	743	965	-965	0	0	55	41	58	-3			
1408+50.00	55	0	55	0	0	0	0	0	682	54	735	956	-956	0	0	55	41	58	-3			
1408+75.00	55	0	54	0	0	0	0	0	647	53	700	911	-910	0	0	54	41	57	-3			
1409+00.00	54	0	53	0	0	0	0	0	611	52	663	862	-862	0	0	53	38	54	-1			
1409+25.00	54	0	53	0	0	0	0	0	598	52	650	845	-845	0	0	53	38	53	0			
1409+50.00	77	20	57	0	0	0	0	20	469	50	519	675	-655	0	0	57	46	65	-8			
1409+75.00	160	97	63	0	0	0	0	97	303	46	349	454	-357	0	0	63	60	84	-20			
1410+00.00	213	147	65	0	0	1	0	148	244	43	287	373	-225	0	0	65	65	91	-25			
1410+25.00																						
Subtotals:	12,026	7,808	3,896	90	0	232	0	8,130	27,874	2,841	30,715	39,933	-31,806	0	0	3,896	3,126	4,379	-487			

Preliminary
08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1410+25.00	163	86	65	0	0	12	0	98	206	42	248	323	-225	0	0	65	64	90	-25			
1410+50.00	119	17	65	0	0	38	0	54	169	41	210	273	-218	0	0	65	64	90	-25			
1410+75.00	156	1	65	0	0	90	0	91	112	37	149	194	-103	0	0	65	65	91	-26			
1411+00.00	238	1	66	0	0	172	0	172	62	25	86	113	60	0	0	66	66	93	-27			
1411+25.00	329	1	66	0	0	263	0	264	37	13	50	65	199	0	0	66	67	93	-27			
1411+50.00	378	2	66	0	0	311	0	312	27	10	37	48	264	0	0	66	66	92	-26			
1411+75.00	366	1	65	0	0	300	0	301	25	9	35	45	256	0	0	65	64	89	-25			
1412+00.00	289	57	63	26	0	143	0	226	33	13	45	59	167	0	0	63	61	85	-22			
1412+25.00	187	77	61	48	0	0	0	126	50	19	69	90	36	0	0	61	57	80	-18			
1412+50.00	120	24	59	38	0	0	0	61	106	32	137	179	-117	0	0	59	53	74	-15			
1412+75.00	84	12	56	16	0	0	0	28	211	44	255	332	-304	0	0	56	48	67	-11			
1413+00.00	62	9	52	1	0	0	0	10	338	47	384	500	-490	0	0	52	40	56	-3			
1413+25.00	52	1	51	0	0	0	0	1	476	50	526	684	-683	0	0	51	37	52	0			
1413+50.00	55	0	54	0	0	0	0	0	611	53	664	863	-863	0	0	54	42	59	-5			
1413+75.00	57	1	56	0	0	0	0	1	710	55	764	994	-993	0	0	56	46	64	-8			
1414+00.00	58	0	57	0	0	0	0	0	769	56	825	1,073	-1,072	0	0	57	49	68	-11			
1414+25.00	66	6	60	0	0	0	0	6	800	56	856	1,113	-1,108	0	0	60	54	76	-16			
1414+50.00	75	13	62	0	0	0	0	13	786	55	841	1,093	-1,080	0	0	62	59	82	-20			
1414+75.00	80	18	62	0	0	0	0	18	734	53	788	1,024	-1,006	0	0	62	58	82	-20			
1415+00.00	89	27	61	0	0	0	0	27	667	52	719	935	-908	0	0	61	58	81	-20			
1415+25.00	102	41	61	0	0	0	0	41	591	50	641	833	-793	0	0	61	58	81	-20			
1415+50.00	124	62	62	0	0	0	0	62	494	47	542	704	-642	0	0	62	58	82	-20			
1415+75.00	160	98	62	0	0	0	0	98	364	44	408	531	-433	0	0	62	59	83	-21			
1416+00.00	213	149	63	0	0	0	0	149	236	41	277	360	-211	0	0	63	61	86	-23			
1416+25.00	272	208	64	0	0	0	0	208	125	35	160	208	0	0	0	64	63	88	-24			
1416+50.00	356	291	65	0	0	0	0	291	44	20	64	83	208	0	0	65	63	89	-24			
1416+75.00	457	392	65	0	0	0	0	392	16	8	24	31	361	0	0	65	63	89	-24			
1417+00.00	529	465	64	0	0	0	0	465	12	5	17	22	443	0	0	64	62	86	-22			
1417+25.00	524	462	62	0	0	0	0	462	10	5	15	20	442	0	0	62	58	81	-19			
1417+50.00	421	362	59	0	0	0	0	362	10	4	14	18	344	0	0	59	52	73	-14			
1417+75.00	260	205	55	0	0	0	0	205	18	9	26	34	171	0	0	55	44	62	-7			
1418+00.00	124	73	51	0	0	0	0	73	63	27	90	117	-45	0	0	51	36	50	1			
1418+25.00	62	15	47	0	0	0	0	15	148	40	189	245	-230	0	0	47	27	38	9			
1418+50.00	51	4	46	0	0	0	0	4	241	44	285	371	-366	0	0	46	26	36	10			
1418+75.00	52	4	48	0	0	0	0	4	300	46	346	450	-446	0	0	48	28	40	9			
1419+00.00	58	9	50	0	0	0	0	9	281	44	325	423	-414	0	0	50	32	45	5			
1419+25.00	69	19	51	0	0	0	0	19	214	42	256	333	-315	0	0	51	36	50	1			
1419+50.00	85	34	51	0	0	0	0	34	145	40	185	241	-208	0	0	51	36	51	1			
1419+75.00	125	73	52	0	0	0	0	73	68	27	95	123	-50	0	0	52	38	53	0			
1420+00.00	220	167	53	0	0	0	0	167	19	11	30	39	128	0	0	53	39	55	-2			
1420+25.00	351	297	54	0	0	0	0	297	10	4	14	18	279	0	0	54	41	57	-3			
1420+50.00	370	310	55	5	0	0	0	315	6	2	8	11	304	0	0	55	42	58	-3			
1420+75.00	303	210	56	38	0	0	0	248	4	2	5	7	241	0	0	56	41	58	-3			
1421+00.00	262	102	55	105	0	0	0	207	3	2	5	6	201	0	0	55	41	57	-2			
1421+25.00	253	41	56	156	0	0	0	197	3	2	4	6	192	0	0	56	41	57	-1			
1421+50.00	319	39	57	224	0	0	0	263	2	1	3	4	258	0	0	57	42	59	-2			
1421+75.00	395	39	58	298	0	0	0	337	1	1	2	3	334	0	0	58	44	62	-4			
1422+00.00	672	453	60	159	0	0	0	612	1	1	1	2	610	0	0	60	47	66	-7			
1422+25.00	980	919	61	0	0	0	0	919	0	0	0	1	919	0	0	61	50	71	-10			
1422+50.00	1,095	1,032	63	0	0	0	0	1,032	0		0	0	1,032	0	0	63	54	76	-13			
1422+75.00	1,206	1,140	66	0	0	0	0	1,140	0		0	0	1,140	0	0	66	58	81	-15			
1423+00.00	1,291	1,224	67	0	0	0	0	1,224	0		0	0	1,224	0	0	67	61	85	-18			
1423+25.00	1,361	1,293	69	0	0	0	0	1,293	0		0	0	1,293	0	0	69	63	88	-19			
1423+50.00	1,406	1,336	69	0	0	0	0	1,336	0		0	0	1,336	0	0	69	64	90	-21			
1423+75.00	1,412	1,343	70	0	0	0	0	1,343	0		0	0	1,343	0	0	70	65	91	-21			
1424+00.00	1,387	1,317	70	0	0	0	0	1,317	0		0	0	1,317	0	0	70	65	91	-21			
1424+25.00	1,348	1,278	69	0	0	0	0	1,278	0		0	0	1,279	0	0	69	64	90	-21			
1424+50.00	1,295	1,227	69	0	0	0	0	1,227	0		0	0	1,227	0	0	69	62	87	-19			
1424+75.00	1,220	1,153	68	0	0	0	0	1,153	0		0	0	1,153	0	0	68	60	84	-17			
1425+00.00	1,129	1,063	66	0	0	0	0	1,063	0		0	0	1,063	0	0	66	57	81	-15			
1425+25.00	1,070	1,005	65	0	0	0	0	1,005	0		0	0	1,005	0	0	65	57	80	-15			
1425+50.00	1,033	967	66	0	0	0	0	967	0		0	0	967	0	0	66	58	82	-16			
1425+75.00	960	893	66	0	0	0	0	893	0	0	0	0	893	0	0	66	59	83	-17			
1426+00.00	862	796	66	0	0	0	0	796	0	0	0	1	795	0	0	66	60	84	-17			
1426+25.00	752	685	66	0	0	0	0	685	0	0	1	1	684	0	0	66	60	84	-18			
1426+50.00	632	566	66	0	0	0	0	566	1	1	1	2	564	0	0	66	60	84	-18			
1426+75.00	525	459	66	0	0	0	0	459	1	1	2	3	456	0	0	66	60	84	-18			
1427+00.00	427	361	67	0	0	0	0	361	9	6	16	21	340	0	0	67	61	86	-19			
1427+08.97																						
ML_GRADING																						

Preliminary
08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
Totals:	234,164	128,629	60,402	18,722	0	8,941	17,473	156,290	226,067	37,172	263,238	342,238	-185,958	0	0	60,402	34,495	48,322	12,070			

Preliminary
08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
DETOUR																						
1417+03.60																						
1417+25.00	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0			
1417+50.00	17	14	0	0	4	0	0	14	3		3	4	10	0	0	0	0	0	0			
1417+75.00	21	17	0	0	4	0	0	17	2		2	2	15	0	0	0	0	0	0			
1418+00.00	21	16	0	0	4	0	0	16	1		1	2	14	0	0	0	0	0	0			
1418+25.00	21	17	0	0	4	0	0	17	1		1	2	16	0	0	0	0	0	0			
1418+50.00	22	18	0	0	4	0	0	18	1		1	2	16	0	0	0	0	0	0			
1418+75.00	20	16	0	0	4	0	0	16	4		4	6	10	0	0	0	0	0	0			
1419+00.00	19	15	0	0	5	0	0	15	8		8	10	4	0	0	0	0	0	0			
1419+25.00	22	17	0	0	5	0	0	17	5		5	6	11	0	0	0	0	0	0			
1419+50.00	21	17	0	0	5	0	0	17	4		4	6	11	0	0	0	0	0	0			
1419+75.00	21	17	0	0	5	0	0	17	4		4	5	12	0	0	0	0	0	0			
1420+00.00	23	19	0	0	4	0	0	19	0		0	0	18	0	0	0	0	0	0			
1420+25.00	19	13	0	2	4	0	0	15	1		1	1	14	0	0	0	0	0	0			
1420+50.00	17	7	0	6	4	0	0	13	1		1	2	11	0	0	0	0	0	0			
1420+75.00	19	6	0	9	4	0	0	15	1		1	2	13	0	0	0	0	0	0			
1421+00.00	21	5	0	12	4	0	0	17	2		2	2	15	0	0	0	0	0	0			
1421+25.00	23	5	0	13	4	0	0	18	2		2	2	16	0	0	0	0	0	0			
1421+50.00	22	4	0	13	4	0	0	17	3		3	4	14	0	0	0	0	0	0			
1421+75.00	21	4	0	12	4	0	0	16	5		5	6	10	0	0	0	0	0	0			
1422+00.00	21	4	0	13	4	0	0	17	4		4	5	12	0	0	0	0	0	0			
1422+25.00	22	11	0	6	4	0	0	18	1		1	2	16	0	0	0	0	0	0			
1422+50.00	22	17	0	0	4	0	0	17	1		1	2	15	0	0	0	0	0	0			
1422+75.00	22	17	0	0	5	0	0	17	1		1	2	16	0	0	0	0	0	0			
1423+00.00	22	18	0	0	5	0	0	18	1		1	1	17	0	0	0	0	0	0			
1423+25.00	22	18	0	0	4	0	0	18	1		1	1	17	0	0	0	0	0	0			
1423+50.00	22	17	0	0	5	0	0	17	1		1	1	16	0	0	0	0	0	0			
1423+75.00	21	17	0	0	5	0	0	17	2		2	2	15	0	0	0	0	0	0			
1424+00.00	21	17	0	0	5	0	0	17	3		3	3	13	0	0	0	0	0	0			
1424+25.00	21	17	0	0	5	0	0	17	3		3	4	12	0	0	0	0	0	0			
1424+50.00	21	17	0	0	5	0	0	17	3		3	4	12	0	0	0	0	0	0			
1424+75.00	22	17	0	0	5	0	0	17	3		3	4	13	0	0	0	0	0	0			
1425+00.00	21	17	0	0	4	0	0	17	4		4	5	12	0	0	0	0	0	0			
1425+25.00	21	17	0	0	4	0	0	17	4		4	5	12	0	0	0	0	0	0			
1425+50.00	21	17	0	0	4	0	0	17	5		5	6	11	0	0	0	0	0	0			
1425+75.00	19	14	0	0	4	0	0	14	9		9	12	3	0	0	0	0	0	0			
1426+00.00	18	14	0	0	4	0	0	14	10		10	13	0	0	0	0	0	0	0			
1426+25.00	18	14	0	0	4	0	0	14	10		10	12	2	0	0	0	0	0	0			
1426+50.00	18	14	0	0	4	0	0	14	11		11	14	-1	0	0	0	0	0	0			
1426+75.00	19	14	0	0	4	0	0	14	9		9	12	3	0	0	0	0	0	0			
1427+00.00	32	27	0	0	4	0	0	27	13		13	18	10	0	0	0	0	0	0			
1427+25.00	45	40	0	0	4	0	0	40	25		25	33	8	0	0	0	0	0	0			
1427+50.00	45	40	0	0	5	0	0	40	44		44	57	-16	0	0	0	0	0	0			
1427+75.00	44	40	0	0	5	0	0	40	70		70	91	-51	0	0	0	0	0	0			
1428+00.00	42	38	0	0	5	0	0	38	93		93	121	-83	0	0	0	0	0	0			
1428+25.00	39	34	0	0	5	0	0	34	107		107	139	-105	0	0	0	0	0	0			
1428+50.00	38	33	0	0	5	0	0	33	118		118	154	-121	0	0	0	0	0	0			
1428+75.00	37	32	0	0	5	0	0	32	133		133	173	-140	0	0	0	0	0	0			
1429+00.00	37	32	0	0	5	0	0	32	142		142	184	-152	0	0	0	0	0	0			
1429+25.00	38	34	0	0	5	0	0	34	160		160	208	-174	0	0	0	0	0	0			
1429+50.00	39	35	0	0	5	0	0	35	157		157	205	-170	0	0	0	0	0	0			
1429+75.00	39	34	0	0	5	0	0	34	138		138	180	-146	0	0	0	0	0	0			
1430+00.00	36	32	0	0	5	0	0	32	129		129	168	-136	0	0	0	0	0	0			
1430+25.00	36	32	0	0	5	0	0	32	121		121	157	-126	0	0	0	0	0	0			
1430+50.00	37	33	0	0	5	0	0	33	119		119	155	-122	0	0	0	0	0	0			
1430+75.00	36	32	0	0	5	0	0	32	111		111	144	-113	0	0	0	0	0	0			
1431+00.00	36	31	0	0	5	0	0	31	99		99	129	-98	0	0	0	0	0	0			
1431+25.00	37	32	0	0	5	0	0	32	83		83	108	-76	0	0	0	0	0	0			
1431+50.00	38	34	0	0	5	0	0	34	63		63	82	-48	0	0	0	0	0	0			
1431+75.00	37	33	0	0	5	0	0	33	46		46	60	-28	0	0	0	0	0	0			
1432+00.00	36	32	0	0	5	0	0	32	32		32	42	-10	0	0	0	0	0	0			
1432+25.00	39	34	0	0	5	0	0	34	21		21	28	6	0	0	0	0	0	0			
1432+50.00	42	37	0	0	5	0	0	37	12		12	16	22	0	0	0	0	0	0			
1432+75.00	44	39	0	0	5	0	0	39	5		5	7	32	0	0	0	0	0	0			
1433+00.00	42	37	0	0	5	0	0	37	5		5	7	31	0	0	0	0	0	0			
1433+25.00	40	35	0	0	5	0	0	35	6		6	8	27	0	0	0	0	0	0			
1433+50.00	41	37	0	0	5	0	0	37	5		5	6	31	0	0	0	0	0	0			
1433+75.00	43	38	0	0	5	0	0	38	3		3	5	34	0	0	0	0	0	0			
Subtotals:	1,882	1,501	0	86	295	0	0	1,587	2,194	0	2,194	2,856	-1,268	0	0	0	0	0	0			

Preliminary
08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1433+75.00	44	39	0	0	5	0	0	39	1		1	2	38	0	0	0	0	0	0			
1434+00.00	44	40	0	0	5	0	0	40	3		3	4	36	0	0	0	0	0	0			
1434+25.00	43	39	0	0	5	0	0	39	4		4	6	33	0	0	0	0	0	0			
1434+50.00	43	38	0	0	5	0	0	38	10		10	13	26	0	0	0	0	0	0			
1434+75.00	43	38	0	0	5	0	0	38	10		10	13	26	0	0	0	0	0	0			
1435+00.00	43	38	0	0	5	0	0	38	4		4	5	33	0	0	0	0	0	0			
1435+25.00	42	37	0	0	5	0	0	37	5		5	6	31	0	0	0	0	0	0			
1435+50.00	43	38	0	0	4	0	0	38	4		4	5	33	0	0	0	0	0	0			
1435+75.00	43	39	0	0	4	0	0	39	3		3	5	34	0	0	0	0	0	0			
1436+00.00	44	39	0	0	5	0	0	39	3		3	4	35	0	0	0	0	0	0			
1436+25.00	45	41	0	0	5	0	0	41	2		2	3	38	0	0	0	0	0	0			
1436+50.00	45	41	0	0	5	0	0	41	3		3	3	37	0	0	0	0	0	0			
1436+75.00	46	41	0	0	5	0	0	41	2		2	3	38	0	0	0	0	0	0			
1437+00.00	47	43	0	0	5	0	0	43	2		2	2	41	0	0	0	0	0	0			
1437+25.00	48	43	0	0	5	0	0	43	1		1	1	42	0	0	0	0	0	0			
1437+50.00	49	44	0	0	5	0	0	44	0		0	1	44	0	0	0	0	0	0			
1437+75.00	53	48	0	0	5	0	0	48	0		0	0	47	0	0	0	0	0	0			
1438+00.00	55	50	0	0	5	0	0	50	0		0	0	50	0	0	0	0	0	0			
1438+25.00	57	52	0	0	5	0	0	52	0		0	0	52	0	0	0	0	0	0			
1438+50.00	61	56	0	0	5	0	0	56	7		7	10	46	0	0	0	0	0	0			
1438+75.00	62	57	0	0	5	0	0	57	11		11	15	42	0	0	0	0	0	0			
1439+00.00	55	51	0	0	5	0	0	51	5		5	6	44	0	0	0	0	0	0			
1439+25.00	47	42	0	0	5	0	0	42	3		3	4	38	0	0	0	0	0	0			
1439+50.00	44	39	0	0	5	0	0	39	5		5	6	33	0	0	0	0	0	0			
1439+75.00	45	40	0	0	5	0	0	40	2		2	3	37	0	0	0	0	0	0			
1440+00.00	47	43	0	0	4	0	0	43	0		0	0	43	0	0	0	0	0	0			
1440+25.00	48	43	0	0	4	0	0	43	0		0	0	43	0	0	0	0	0	0			
1440+50.00	48	43	0	0	5	0	0	43	0		0	0	43	0	0	0	0	0	0			
1440+75.00	47	42	0	0	5	0	0	42	0		0	0	42	0	0	0	0	0	0			
1441+00.00	46	41	0	0	4	0	0	41	0		0	0	41	0	0	0	0	0	0			
1441+25.00	45	40	0	0	5	0	0	40	1		1	1	39	0	0	0	0	0	0			
1441+50.00	44	39	0	0	5	0	0	39	2		2	2	37	0	0	0	0	0	0			
1441+75.00	43	39	0	0	5	0	0	39	3		3	4	35	0	0	0	0	0	0			
1442+00.00	43	39	0	0	5	0	0	39	4		4	5	34	0	0	0	0	0	0			
1442+25.00	44	39	0	0	5	0	0	39	5		5	7	32	0	0	0	0	0	0			
1442+50.00	44	40	0	0	5	0	0	40	8		8	10	30	0	0	0	0	0	0			
1442+75.00	45	40	0	0	5	0	0	40	9		9	12	28	0	0	0	0	0	0			
1443+00.00	45	41	0	0	5	0	0	41	9		9	12	29	0	0	0	0	0	0			
1443+25.00	46	41	0	0	5	0	0	41	13		13	18	23	0	0	0	0	0	0			
1443+50.00	46	41	0	0	5	0	0	41	15		15	20	21	0	0	0	0	0	0			
1443+75.00	46	41	0	0	5	0	0	41	14		14	18	23	0	0	0	0	0	0			
1444+00.00	44	40	0	0	5	0	0	40	20		20	26	14	0	0	0	0	0	0			
1444+25.00	44	39	0	0	5	0	0	39	22		22	29	10	0	0	0	0	0	0			
1444+50.00	43	39	0	0	5	0	0	39	20		20	26	13	0	0	0	0	0	0			
1444+75.00	43	38	0	0	5	0	0	38	22		22	28	10	0	0	0	0	0	0			
1445+00.00	43	38	0	0	5	0	0	38	18		18	24	14	0	0	0	0	0	0			
1445+25.00	43	39	0	0	5	0	0	39	11		11	15	24	0	0	0	0	0	0			
1445+50.00	44	39	0	0	5	0	0	39	7		7	10	30	0	0	0	0	0	0			
1445+75.00	43	38	0	0	5	0	0	38	11		11	14	24	0	0	0	0	0	0			
1446+00.00	43	39	0	0	5	0	0	39	9		9	12	27	0	0	0	0	0	0			
1446+25.00	44	40	0	0	5	0	0	40	6		6	8	32	0	0	0	0	0	0			
1446+50.00	44	40	0	0	5	0	0	40	5		5	7	33	0	0	0	0	0	0			
1446+75.00	45	40	0	0	5	0	0	40	3		3	4	37	0	0	0	0	0	0			
1447+00.00	45	41	0	0	4	0	0	41	2		2	3	38	0	0	0	0	0	0			
1447+25.00	44	41	0	0	3	0	0	41	2		2	2	39	0	0	0	0	0	0			
1447+50.00	45	42	0	0	3	0	0	42	1		1	1	41	0	0	0	0	0	0			
1447+75.00	45	41	0	0	4	0	0	41	0		0	0	41	0	0	0	0	0	0			
1448+00.00	44	40	0	0	4	0	0	40	0		0	0	40	0	0	0	0	0	0			
1448+25.00	44	41	0	0	3	0	0	41	0		0	1	40	0	0	0	0	0	0			
1448+50.00	43	40	0	0	3	0	0	40	1		1	2	38	0	0	0	0	0	0			
1448+75.00	65	62	0	0	3	0	0	62	2		2	3	59	0	0	0	0	0	0			
1449+00.00	65	62	0	0	3	0	0	62	2		2	3	59	0	0	0	0	0	0			
1449+25.00	64	61	0	0	3	0	0	61	2		2	3	58	0	0	0	0	0	0			
1449+50.00	65	61	0	0	3	0	0	61	2		2	2	59	0	0	0	0	0	0			
1449+75.00	43	40	0	0	3	0	0	40	2		2	2	38	0	0	0	0	0	0			
1450+00.00	45	41	0	0	3	0	0	41	1		1	2	40	0	0	0	0	0	0			
1450+25.00	45	42	0	0	3	0	0	42	1		1	2	41	0	0	0	0	0	0			
1450+50.00	46	43	0	0	3	0	0	43	1		1	1	42	0	0	0	0	0	0			
1450+75.00																						
Subtotals:	3,189	2,891	0	0	298	0	0	2,891	351	0	351	459	2,435	0	0	0	0	0	0			

Preliminary
08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1450+75.00	62	59	0	0	3	0	0	59	2		2	3	56	0	0	0	0	0	0			
1451+00.00	60	57	0	0	3	0	0	57	4		4	5	52	0	0	0	0	0	0			
1451+25.00	42	39	0	0	3	0	0	39	4		4	6	33	0	0	0	0	0	0			
1451+50.00	42	39	0	0	3	0	0	39	2		2	3	35	0	0	0	0	0	0			
1451+75.00	41	38	0	0	3	0	0	38	0		0	1	38	0	0	0	0	0	0			
1452+00.00	42	39	0	0	3	0	0	39	0		0	1	39	0	0	0	0	0	0			
1452+25.00	34	33	0	0	2	0	0	33	0		0	0	32	0	0	0	0	0	0			
1452+50.00	25	25	0	0	0	0	0	25	0		0	0	25	0	0	0	0	0	0			
1452+75.00	26	26	0	0	0	0	0	26	0		0	0	26	0	0	0	0	0	0			
1453+00.00	26	26	0	0	0	0	0	26	0		0	0	26	0	0	0	0	0	0			
1453+25.00	27	27	0	0	0	0	0	27	0		0	0	27	0	0	0	0	0	0			
1453+50.00	26	26	0	0	0	0	0	26	0		0	0	26	0	0	0	0	0	0			
1453+75.00	26	26	0	0	0	0	0	26	0		0	0	26	0	0	0	0	0	0			
1454+00.00	51	51	0	0	0	0	0	51	0		0	0	51	0	0	0	0	0	0			
1454+25.00	51	51	0	0	0	0	0	51	0		0	0	51	0	0	0	0	0	0			
1454+50.00	28	28	0	0	0	0	0	28	0		0	0	28	0	0	0	0	0	0			
1454+75.00	28	28	0	0	0	0	0	28	0		0	0	28	0	0	0	0	0	0			
1455+00.00	28	28	0	0	0	0	0	28	0		0	0	28	0	0	0	0	0	0			
1455+25.00	27	27	0	0	0	0	0	27	0		0	0	27	0	0	0	0	0	0			
1455+50.00	43	40	0	0	2	0	0	40	0		0	0	40	0	0	0	0	0	0			
1455+75.00	56	52	0	0	5	0	0	52	0		0	0	52	0	0	0	0	0	0			
1456+00.00	57	52	0	0	5	0	0	52	0		0	0	52	0	0	0	0	0	0			
1456+25.00	56	52	0	0	4	0	0	52	0		0	0	52	0	0	0	0	0	0			
1456+50.00	53	49	0	0	4	0	0	49	0		0	0	49	0	0	0	0	0	0			
1456+75.00	50	46	0	0	4	0	0	46	0		0	0	46	0	0	0	0	0	0			
1457+00.00	46	42	0	0	4	0	0	42	5		5	7	35	0	0	0	0	0	0			
1457+25.00	44	40	0	0	4	0	0	40	18		18	24	16	0	0	0	0	0	0			
1457+50.00	43	39	0	0	4	0	0	39	37		37	48	-9	0	0	0	0	0	0			
1457+75.00	43	39	0	0	4	0	0	39	51		51	66	-28	0	0	0	0	0	0			
1458+00.00	43	38	0	0	4	0	0	38	61		61	79	-41	0	0	0	0	0	0			
1458+25.00	43	38	0	0	5	0	0	38	70		70	92	-54	0	0	0	0	0	0			
1458+50.00	43	38	0	0	5	0	0	38	72		72	93	-55	0	0	0	0	0	0			
1458+75.00	43	39	0	0	5	0	0	39	64		64	83	-45	0	0	0	0	0	0			
1459+00.00	44	39	0	0	5	0	0	39	53		53	69	-30	0	0	0	0	0	0			
1459+25.00	45	40	0	0	5	0	0	40	38		38	50	-10	0	0	0	0	0	0			
1459+50.00	45	40	0	0	5	0	0	40	24		24	31	9	0	0	0	0	0	0			
1459+75.00	44	39	0	0	5	0	0	39	18		18	23	16	0	0	0	0	0	0			
1460+00.00	43	38	0	0	5	0	0	38	20		20	26	12	0	0	0	0	0	0			
1460+25.00	44	39	0	0	5	0	0	39	18		18	23	16	0	0	0	0	0	0			
1460+50.00	45	40	0	0	5	0	0	40	15		15	19	21	0	0	0	0	0	0			
1460+75.00	45	40	0	0	5	0	0	40	13		13	18	23	0	0	0	0	0	0			
1461+00.00	45	40	0	0	5	0	0	40	12		12	15	25	0	0	0	0	0	0			
1461+25.00	46	41	0	0	5	0	0	41	8		8	11	30	0	0	0	0	0	0			
1461+50.00	49	45	0	0	5	0	0	45	3		3	4	41	0	0	0	0	0	0			
1461+75.00	50	45	0	0	5	0	0	45	2		2	2	43	0	0	0	0	0	0			
1462+00.00	51	46	0	0	5	0	0	46	1		1	2	45	0	0	0	0	0	0			
1462+25.00	57	52	0	0	5	0	0	52	0		0	1	52	0	0	0	0	0	0			
1462+50.00	61	56	0	0	5	0	0	56	0		0	0	56	0	0	0	0	0	0			
1462+75.00	61	57	0	0	5	0	0	57	0		0	0	57	0	0	0	0	0	0			
1463+00.00	64	59	0	0	5	0	0	59	0		0	0	59	0	0	0	0	0	0			
1463+25.00	71	66	0	0	5	0	0	66	0		0	0	66	0	0	0	0	0	0			
1463+50.00	74	70	0	0	5	0	0	70	0		0	0	70	0	0	0	0	0	0			
1463+75.00	73	68	0	0	5	0	0	68	0		0	0	69	0	0	0	0	0	0			
1464+00.00	72	67	0	0	5	0	0	67	0		0	0	67	0	0	0	0	0	0			
1464+25.00	70	66	0	0	5	0	0	66	0		0	0	66	0	0	0	0	0	0			
1464+50.00	66	61	0	0	5	0	0	61	0		0	0	61	0	0	0	0	0	0			
1464+75.00	60	55	0	0	5	0	0	55	0		0	0	55	0	0	0	0	0	0			
1465+00.00	55	50	0	0	5	0	0	50	0		0	0	50	0	0	0	0	0	0			
1465+25.00	52	47	0	0	5	0	0	47	0		0	0	47	0	0	0	0	0	0			
1465+50.00	50	46	0	0	5	0	0	46	0		0	1	45	0	0	0	0	0	0			
1465+75.00	50	45	0	0	5	0	0	45	0		0	1	45	0	0	0	0	0	0			
1466+00.00	50	45	0	0	5	0	0	45	0		0	1	45	0	0	0	0	0	0			
1466+25.00	50	45	0	0	5	0	0	45	1		1	1	45	0	0	0	0	0	0			
1466+50.00	49	44	0	0	5	0	0	44	0		0	1	44	0	0	0	0	0	0			
1466+75.00	47	42	0	0	5	0	0	42	1		1	1	42	0	0	0	0	0	0			
1467+00.00	45	40	0	0	5	0	0	40	2		2	3	37	0	0	0	0	0	0			
1467+25.00	43	39	0	0	4	0	0	39	4		4	5	34	0	0	0	0	0	0			
1467+50.00	43	39	0	0	5	0	0	39	3		3	4	35	0	0	0	0	0	0			
1467+75.00																						
Subtotals:	3,212	2,967	0	0	245	0	0	2,967	629	0	629	819	2,151	0	0	0	0	0	0			

Preliminary
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Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1467+75.00	43	39	0	0	5	0	0	39	3		3	3	36	0	0	0	0	0	0			
1468+00.00	43	39	0	0	5	0	0	39	3		3	4	35	0	0	0	0	0	0			
1468+25.00	43	39	0	0	5	0	0	39	4		4	5	34	0	0	0	0	0	0			
1468+50.00	43	39	0	0	5	0	0	39	4		4	5	34	0	0	0	0	0	0			
1468+75.00	43	38	0	0	5	0	0	38	3		3	4	34	0	0	0	0	0	0			
1469+00.00	42	38	0	0	5	0	0	38	3		3	4	34	0	0	0	0	0	0			
1469+25.00	42	37	0	0	5	0	0	37	3		3	4	33	0	0	0	0	0	0			
1469+50.00	41	36	0	0	5	0	0	36	3		3	5	32	0	0	0	0	0	0			
1469+75.00	41	36	0	0	5	0	0	36	11		11	14	22	0	0	0	0	0	0			
1470+00.00	44	39	0	0	5	0	0	39	14		14	19	21	0	0	0	0	0	0			
1470+25.00	47	42	0	0	5	0	0	42	11		11	14	28	0	0	0	0	0	0			
1470+50.00	46	41	0	0	5	0	0	41	10		10	13	28	0	0	0	0	0	0			
1470+75.00	42	38	0	0	5	0	0	38	10		10	14	24	0	0	0	0	0	0			
1471+00.00	41	36	0	0	5	0	0	36	13		13	17	19	0	0	0	0	0	0			
1471+25.00	40	35	0	0	5	0	0	35	13		13	17	18	0	0	0	0	0	0			
1471+50.00	40	35	0	0	5	0	0	35	11		11	15	20	0	0	0	0	0	0			
1471+75.00	42	37	0	0	5	0	0	37	10		10	14	24	0	0	0	0	0	0			
1472+00.00	42	37	0	0	5	0	0	37	8		8	11	26	0	0	0	0	0	0			
1472+25.00	69	64	0	0	5	0	0	64	7		7	9	56	0	0	0	0	0	0			
1472+50.00	69	65	0	0	5	0	0	65	4		4	5	60	0	0	0	0	0	0			
1472+75.00	41	37	0	0	5	0	0	37	4		4	5	32	0	0	0	0	0	0			
1473+00.00	41	37	0	0	5	0	0	37	7		7	9	28	0	0	0	0	0	0			
1473+25.00	44	40	0	0	5	0	0	40	7		7	9	31	0	0	0	0	0	0			
1473+50.00	44	39	0	0	5	0	0	39	7		7	9	30	0	0	0	0	0	0			
1473+75.00	43	39	0	0	4	0	0	39	9		9	11	28	0	0	0	0	0	0			
1474+00.00	44	39	0	0	4	0	0	39	11		11	15	25	0	0	0	0	0	0			
1474+25.00	42	38	0	0	4	0	0	38	12		12	15	23	0	0	0	0	0	0			
1474+50.00	43	38	0	0	4	0	0	38	7		7	10	29	0	0	0	0	0	0			
1474+75.00	45	40	0	0	4	0	0	40	4		4	5	35	0	0	0	0	0	0			
1475+00.00	45	41	0	0	4	0	0	41	2		2	3	38	0	0	0	0	0	0			
1475+25.00	46	41	0	0	4	0	0	41	1		1	1	41	0	0	0	0	0	0			
1475+50.00	46	42	0	0	4	0	0	42	1		1	2	40	0	0	0	0	0	0			
1475+75.00	49	44	0	0	4	0	0	44	1		1	1	44	0	0	0	0	0	0			
1476+00.00	57	53	0	0	4	0	0	53	0		0	0	53	0	0	0	0	0	0			
1476+25.00	46	44	0	0	2	0	0	44	0		0	0	44	0	0	0	0	0	0			
1476+50.00	29	29	0	0	0	0	0	29	0		0	0	29	0	0	0	0	0	0			
1476+75.00	29	29	0	0	0	0	0	29	0		0	0	29	0	0	0	0	0	0			
1477+00.00	27	27	0	0	0	0	0	27	0		0	0	27	0	0	0	0	0	0			
1477+25.00	27	27	0	0	0	0	0	27	0		0	0	27	0	0	0	0	0	0			
1477+50.00	28	28	0	0	0	0	0	28	0		0	0	28	0	0	0	0	0	0			
1477+75.00	31	29	0	0	2	0	0	29	25		25	32	-3	0	0	0	3	4	-4			
1478+00.00	34	30	0	0	3	0	0	30	58		58	76	-45	0	0	0	5	7	-7			
1478+25.00	34	31	0	0	3	0	0	31	69		69	90	-59	0	0	0	5	7	-7			
1478+50.00	35	32	0	0	3	0	0	32	80		80	104	-72	0	0	0	6	9	-9			
1478+75.00	35	32	0	0	3	0	0	32	99		99	128	-96	0	0	0	8	11	-11			
1479+00.00	40	37	0	0	3	0	0	37	107		107	139	-102	0	0	0	8	12	-12			
1479+25.00	48	45	0	0	3	0	0	45	119		119	155	-110	0	0	0	9	13	-13			
1479+50.00	49	46	0	0	3	0	0	46	146		146	189	-144	0	0	0	9	13	-13			
1479+75.00	65	42	19	0	3	0	0	42	429	19	447	581	-539	0	0	19	24	33	-14			
1480+00.00	85	41	41	0	3	0	0	41	742	40	781	1,016	-975	0	0	41	45	64	-22			
1480+25.00	87	39	45	0	3	0	0	39	804	44	848	1,103	-1,064	0	0	45	57	80	-35			
1480+50.00	89	37	48	0	3	0	0	37	842	47	889	1,156	-1,119	0	0	48	67	94	-46			
1480+75.00	89	38	48	0	3	0	0	38	814	46	860	1,118	-1,080	0	0	48	56	78	-30			
1481+00.00	91	38	49	0	3	0	0	38	807	47	854	1,111	-1,072	0	0	49	47	66	-17			
1481+25.00	96	39	54	0	3	0	0	39	864	51	915	1,190	-1,151	0	0	54	57	80	-26			
1481+50.00	97	39	55	0	3	0	0	39	903	52	955	1,241	-1,202	0	0	55	59	83	-28			
1481+75.00	97	39	54	0	3	0	0	39	913	51	964	1,254	-1,214	0	0	54	58	81	-27			
1482+00.00	82	25	54	0	3	0	0	25	884	51	935	1,216	-1,191	0	0	54	86	120	-67			
1482+25.00	75	16	56	0	3	0	0	16	814	51	865	1,124	-1,109	0	0	56	120	169	-112			
1482+50.00	87	24	60	0	3	0	0	24	740	50	790	1,027	-1,004	0	0	60	130	182	-122			
1482+75.00	97	32	61	0	4	0	0	32	701	50	751	976	-944	0	0	61	134	187	-126			
1483+00.00	121	54	63	0	5	0	0	54	671	49	720	936	-883	0	0	63	137	192	-129			
1483+25.00	155	85	65	0	5	0	0	85	643	48	690	898	-813	0	0	65	141	197	-132			
1483+50.00	193	123	66	0	5	0	0	123	592	45	637	828	-705	0	0	66	142	198	-132			
1483+75.00	236	164	68	0	5	0	0	164	510	42	552	717	-554	0	0	68	140	196	-129			
1484+00.00	307	232	70	0	5	0	0	232	417	39	456	593	-361	0	0	70	140	196	-125			
1484+25.00	406	328	73	0	5	0	0	328	322	35	358	465	-137	0	0	73	138	193	-120			
1484+50.00	510	430	75	0	5	0	0	430	254	31	286	372	59	0	0	75	135	189	-114			
1484+75.00																						
Subtotals:	5,090	3,710	1,126	0	255	0	0	3,710	14,590	888	15,478	20,124	-16,414	0	0	1,126	1,966	2,754	-1,629			

Preliminary
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Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
1484+75.00	608	526	77	0	5	0	0	526	241	30	270	352	174	0	0	77	135	189	-112			
1485+00.00	653	569	79	0	5	0	0	569	274	31	305	397	172	0	0	79	141	198	-119			
1485+25.00	636	551	80	0	5	0	0	551	323	34	357	464	87	0	0	80	149	209	-128			
1485+50.00	580	495	80	0	5	0	0	495	376	36	412	536	-41	0	0	80	155	217	-137			
1485+75.00	507	422	80	0	4	0	0	422	442	40	483	627	-205	0	0	80	162	228	-147			
1486+00.00	445	360	81	0	4	0	0	360	500	44	544	707	-347	0	0	81	170	238	-157			
1486+25.00	392	307	80	0	4	0	0	307	544	46	590	767	-460	0	0	80	174	244	-164			
1486+50.00	362	278	80	0	4	0	0	278	572	47	619	805	-527	0	0	80	175	245	-165			
1486+75.00	335	252	80	0	4	0	0	252	598	48	645	839	-587	0	0	80	175	245	-166			
1487+00.00	309	227	79	0	3	0	0	227	614	48	662	861	-634	0	0	79	174	244	-165			
1487+25.00	291	211	79	0	2	0	0	211	641	48	689	896	-686	0	0	79	175	245	-166			
1487+50.00	269	188	80	0	1	0	0	188	659	50	709	922	-733	0	0	80	175	245	-165			
1487+75.00	239	159	80	0	0	0	0	159	715	51	766	996	-837	0	0	80	170	238	-158			
1488+00.00	189	110	79	0	0	0	0	110	1,038	56	1,094	1,423	-1,312	0	0	79	168	235	-156			
1488+25.00	192	114	78	0	0	0	0	114	1,596	58	1,654	2,151	-2,037	0	0	78	167	234	-156			
1488+50.00	248	170	78	0	0	0	0	170	2,113	56	2,169	2,820	-2,650	0	0	78	169	236	-158			
1488+75.00	293	214	79	0	0	0	0	214	2,306	54	2,360	3,068	-2,854	0	0	79	170	238	-159			
1489+00.00	316	237	79	0	0	0	0	237	2,044	52	2,097	2,726	-2,488	0	0	79	168	235	-156			
1489+25.00	326	247	79	0	0	0	0	247	1,437	51	1,489	1,935	-1,688	0	0	79	166	232	-153			
1489+50.00	337	259	78	0	0	0	0	259	817	47	864	1,123	-864	0	0	78	163	228	-150			
1489+75.00	342	266	77	0	0	0	0	266	566	42	608	791	-525	0	0	77	159	223	-147			
1490+00.00	321	245	75	0	1	0	0	245	565	42	607	789	-544	0	0	75	157	221	-145			
1490+25.00	303	227	74	0	3	0	0	227	566	41	607	790	-563	0	0	74	156	219	-145			
1490+50.00	302	226	73	0	3	0	0	226	568	41	609	792	-566	0	0	73	155	218	-145			
1490+75.00	304	228	72	0	4	0	0	228	574	41	615	799	-572	0	0	72	155	217	-145			
1491+00.00	298	222	72	0	4	0	0	222	584	41	625	812	-590	0	0	72	154	216	-145			
1491+25.00	268	193	71	0	4	0	0	193	591	42	633	823	-631	0	0	71	154	216	-145			
1491+50.00	236	161	71	0	4	0	0	161	590	43	633	823	-662	0	0	71	154	216	-145			
1491+75.00	213	138	70	0	4	0	0	138	609	43	652	848	-710	0	0	70	154	216	-146			
1492+00.00	187	113	70	0	4	0	0	113	638	44	682	887	-774	0	0	70	155	218	-148			
1492+25.00	172	98	70	0	4	0	0	98	636	45	681	885	-787	0	0	70	163	228	-158			
1492+50.00	169	95	70	0	4	0	0	95	629	48	677	880	-784	0	0	70	168	235	-166			
1492+75.00	169	95	69	0	4	0	0	95	626	51	676	879	-784	0	0	69	166	233	-163			
1493+00.00	167	95	68	0	4	0	0	95	625	50	676	878	-784	0	0	68	163	229	-161			
1493+25.00	165	94	67	0	4	0	0	94	632	50	682	887	-793	0	0	67	160	224	-157			
1493+50.00	165	94	67	0	4	0	0	94	634	49	683	888	-794	0	0	67	158	221	-154			
1493+75.00	171	99	66	0	6	0	0	99	611	49	659	857	-758	0	0	66	155	218	-151			
1494+00.00	177	104	65	0	8	0	0	104	602	49	650	846	-741	0	0	65	153	214	-149			
1494+25.00	179	107	64	0	8	0	0	107	612	47	659	857	-750	0	0	64	150	210	-146			
1494+50.00	184	112	64	0	8	0	0	112	600	46	646	840	-728	0	0	64	147	206	-143			
1494+75.00	185	114	63	0	8	0	0	114	579	46	624	812	-698	0	0	63	145	203	-140			
1495+00.00	180	110	62	0	8	0	0	110	556	45	601	781	-671	0	0	62	142	199	-137			
1495+25.00	178	110	60	0	8	0	0	110	542	43	585	761	-652	0	0	60	138	194	-133			
1495+50.00	178	110	60	0	8	0	0	110	556	43	599	779	-669	0	0	60	136	191	-131			
1495+75.00	167	100	59	0	8	0	0	100	551	43	594	772	-673	0	0	59	134	188	-129			
1496+00.00	147	82	57	0	8	0	0	82	563	43	607	789	-707	0	0	57	131	183	-127			
1496+25.00	123	59	55	0	8	0	0	59	642	48	690	897	-838	0	0	55	105	148	-92			
1496+50.00	109	46	54	0	8	0	0	46	797	53	849	1,104	-1,058	0	0	54	76	107	-53			
1496+75.00	104	45	51	0	8	0	0	45	945	50	995	1,294	-1,249	0	0	51	69	97	-46			
1497+00.00	123	62	52	0	8	0	0	62	933	45	978	1,271	-1,209	0	0	52	105	147	-95			
1497+25.00	149	86	55	0	8	0	0	86	779	43	823	1,069	-984	0	0	55	140	196	-141			
1497+50.00	157	94	55	0	8	0	0	94	577	41	618	804	-710	0	0	55	136	190	-135			
1497+75.00	158	96	53	0	8	0	0	96	464	39	503	654	-558	0	0	53	130	182	-129			
1498+00.00	155	95	52	0	8	0	0	95	451	38	488	635	-540	0	0	52	125	175	-123			
1498+25.00	152	93	51	0	8	0	0	93	438	36	474	616	-523	0	0	51	120	168	-118			
1498+50.00	150	92	50	0	8	0	0	92	406	35	441	574	-482	0	0	50	116	162	-113			
1498+75.00	149	92	49	0	8	0	0	92	400	34	434	565	-472	0	0	49	112	157	-108			
1499+00.00	148	91	48	0	8	0	0	91	401	34	434	565	-473	0	0	48	108	151	-103			
1499+25.00	147	91	47	0	8	0	0	91	376	33	409	532	-441	0	0	47	104	146	-99			
1499+50.00	150	96	46	0	8	0	0	96	339	32	370	481	-386	0	0	46	100	140	-94			
1499+75.00	155	102	45	0	8	0	0	102	308	30	338	440	-338	0	0	45	95	133	-88			
1500+00.00	148	96	44	0	8	0	0	96	289	29	318	414	-318	0	0	44	90	126	-82			
1500+25.00	128	79	41	0	8	0	0	79	258	29	287	373	-295	0	0	41	82	115	-73			
1500+50.00	111	65	38	0	8	0	0	65	236	27	263	342	-277	0	0	38	71	99	-61			
1500+75.00	129	82	38	0	8	0	0	82	247	26	273	355	-273	0	0	38	71	99	-61			
1501+00.00	149	101	40	0	8	0	0	101	251	25	276	359	-258	0	0	40	73	103	-63			
1501+25.00	145	98	38	0	9	0	0	98	221	24	244	318	-219	0	0	38	68	95	-56			
1501+50.00	140	95	36	0	9	0	0	95	186	22	208	271	-176	0	0	36	62	86	-50			
1501+75.00																						
Subtotals:	16,137	11,393	4,382	0	362	0	0	11,393	43,196	2,869	46,065	59,888	-48,498	0	0	4,382	9,421	13,194	-8,815			

Preliminary 08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut [1] Total Cut Unadjusted Volume	[2] Total Class 10 Unadjusted Volume	[3] Topsoil Cut Volume	[4] Template Unsuitable Type B Volume	[5] Template Pavement Removal Volume	[6] Template Select Loam Volume	[7] Template Waste Volume	[8] Total Cut Adjusted	Fill [9] Total Fill Unadjusted Volume	[10] Existing Topsoil Stripping Undercut (+ Fill)	[11] Total Fill Adjusted	[12] Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	[13] Total Cut Adjusted Minus Fill w/ Shrink	Checks (EW-102) [14] Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	[15] Approx. Fill Volume Below 3' w/ Shrink	Topsoil [16] Topsoil Stripping Undercut Volume	[17] Topsoil Placement Undercut Volume	[18] Topsoil Placement With 1.4 Shrink Factor	[19] Topsoil Stripping Minus Topsoil Placement w/Shrink	[20]	[21]	[22]
1501+75.00	137	94	34	0	9	0	0	94	151	20	171	222	-129	0	0	34	56	79	-44			
1502+00.00	135	94	32	0	9	0	0	94	121	18	139	181	-87	0	0	32	51	71	-39			
1502+25.00	134	96	29	0	9	0	0	96	97	16	113	147	-51	0	0	29	45	63	-34			
1502+50.00	122	89	26	0	7	0	0	89	72	14	86	112	-23	0	0	26	40	56	-30			
1502+75.00	100	72	23	0	5	0	0	72	54	12	66	86	-14	0	0	23	36	50	-27			
1503+00.00	71	47	19	0	5	0	0	47	41	10	50	66	-19	0	0	19	17	24	-5			
1503+25.00	43	30	8	0	5	0	0	30	32	5	37	48	-18	0	0	8	0	0	8			
1503+50.00	36	31	0	0	5	0	0	31	29		29	38	-8	0	0	0	0	0	0			
1503+75.00	37	32	0	0	5	0	0	32	23		23	31	1	0	0	0	0	0	0			
1504+00.00	39	34	0	0	5	0	0	34	20		20	25	9	0	0	0	0	0	0			
1504+25.00	29	24	0	0	5	0	0	24	17		17	22	2	0	0	0	0	0	0			
1504+50.00	19	13	0	0	5	0	0	13	13		13	16	-3	0	0	0	0	0	0			
1504+75.00	19	14	0	0	5	0	0	14	9		9	12	2	0	0	0	0	0	0			
1505+00.00	19	14	0	0	5	0	0	14	8		8	10	4	0	0	0	0	0	0			
1505+25.00	19	14	0	0	5	0	0	14	7		7	9	4	0	0	0	0	0	0			
1505+50.00	19	14	0	0	5	0	0	14	7		7	9	5	0	0	0	0	0	0			
1505+75.00	19	14	0	0	5	0	0	14	5		5	7	7	0	0	0	0	0	0			
1506+00.00	19	14	0	0	5	0	0	14	4		4	5	9	0	0	0	0	0	0			
1506+25.00	19	14	0	0	5	0	0	14	3		3	4	10	0	0	0	0	0	0			
1506+50.00	20	14	0	0	5	0	0	14	2		2	3	11	0	0	0	0	0	0			
1506+75.00	21	16	0	0	5	0	0	16	1		1	2	14	0	0	0	0	0	0			
1507+00.00	20	15	0	0	5	0	0	15	1		1	2	14	0	0	0	0	0	0			
1507+25.00	20	15	0	0	5	0	0	15	1		1	2	13	0	0	0	0	0	0			
1507+50.00	20	15	0	0	5	0	0	15	2		2	2	13	0	0	0	0	0	0			
1507+75.00	20	16	0	0	5	0	0	16	1		1	1	14	0	0	0	0	0	0			
1508+00.00	22	17	0	0	5	0	0	17	0		0	0	17	0	0	0	0	0	0			
1508+25.00	22	17	0	0	5	0	0	17	0		0	0	17	0	0	0	0	0	0			
1508+50.00	22	17	0	0	5	0	0	17	0		0	0	17	0	0	0	0	0	0			
1508+75.00	21	16	0	0	5	0	0	16	0		0	0	16	0	0	0	0	0	0			
1509+00.00	21	16	0	0	5	0	0	16	0		0	0	16	0	0	0	0	0	0			
1509+25.00	21	16	0	0	5	0	0	16	0		0	0	16	0	0	0	0	0	0			
1509+50.00	21	16	0	0	5	0	0	16	0		0	0	16	0	0	0	0	0	0			
1509+75.00	21	17	0	0	5	0	0	17	0		0	0	17	0	0	0	0	0	0			
1510+00.00	21	16	0	0	5	0	0	16	0		0	0	16	0	0	0	0	0	0			
1510+25.00	20	15	0	0	5	0	0	15	0		0	0	15	0	0	0	0	0	0			
1510+50.00	20	15	0	0	5	0	0	15	0		0	0	15	0	0	0	0	0	0			
1510+75.00	19	14	0	0	5	0	0	14	0		0	0	14	0	0	0	0	0	0			
1511+00.00	19	14	0	0	5	0	0	14	0		0	0	14	0	0	0	0	0	0			
1511+25.00	19	14	0	0	5	0	0	14	0		0	0	14	0	0	0	0	0	0			
1511+50.00	18	13	0	0	5	0	0	13	0		0	0	13	0	0	0	0	0	0			
1511+75.00	18	13	0	0	5	0	0	13	0		0	0	13	0	0	0	0	0	0			
1512+00.00	17	12	0	0	5	0	0	12	0		0	0	12	0	0	0	0	0	0			
1512+25.00	17	12	0	0	5	0	0	12	0		0	0	12	0	0	0	0	0	0			
1512+50.00	17	12	0	0	5	0	0	12	0		0	0	12	0	0	0	0	0	0			
1512+75.00	16	12	0	0	5	0	0	12	0		0	0	12	0	0	0	0	0	0			
1513+00.00	16	11	0	0	5	0	0	11	0		0	0	12	0	0	0	0	0	0			
1513+25.00	16	11	0	0	5	0	0	11	0		0	0	11	0	0	0	0	0	0			
1513+50.00	16	11	0	0	5	0	0	11	0		0	0	11	0	0	0	0	0	0			
1513+75.00	16	11	0	0	5	0	0	11	0		0	0	11	0	0	0	0	0	0			
1514+00.00	16	12	0	0	5	0	0	12	0		0	0	12	0	0	0	0	0	0			
1514+25.00	16	11	0	0	5	0	0	11	0		0	0	12	0	0	0	0	0	0			
1514+50.00	16	12	0	0	5	0	0	12	0		0	0	12	0	0	0	0	0	0			
1514+75.00	17	12	0	0	5	0	0	12	0		0	0	12	0	0	0	0	0	0			
1515+00.00	16	11	0	0	5	0	0	11	0		0	0	12	0	0	0	0	0	0			
1515+25.00	16	11	0	0	5	0	0	11	0		0	0	11	0	0	0	0	0	0			
1515+50.00	17	12	0	0	5	0	0	12	0		0	0	12	0	0	0	0	0	0			
1515+75.00	17	12	0	0	5	0	0	12	0		0	0	12	0	0	0	0	0	0			
1516+00.00	16	11	0	0	5	0	0	11	0		0	0	12	0	0	0	0	0	0			
1516+25.00	16	11	0	0	5	0	0	11	0		0	0	11	0	0	0	0	0	0			
1516+50.00	16	11	0	0	5	0	0	11	0		0	0	11	0	0	0	0	0	0			
1516+62.68																						
DETOUR																						
Totals:	31,305	23,773	5,681	87	1,766	0	0	23,859	61,682	3,852	65,534	85,210	-61,345	0	0	5,681	11,633	16,291	-10,616			

Preliminary
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Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
XO_1421																						
8000+00.00																						
8000+25.00	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0			
8000+50.00	13	13	0	0	0	0	0	13	0		0	0	13	0	0	0	0	0	0			
8000+75.00	13	13	0	0	0	0	0	13	0		0	0	13	0	0	0	0	0	0			
8001+00.00	13	13	0	0	0	0	0	13	0		0	0	14	0	0	0	0	0	0			
8001+25.00	14	14	0	0	0	0	0	14	0		0	0	14	0	0	0	0	0	0			
8001+50.00	14	14	0	0	0	0	0	14	0		0	0	15	0	0	0	0	0	0			
8001+75.00	15	15	0	0	0	0	0	15	0		0	0	15	0	0	0	0	0	0			
8002+00.00	16	16	0	0	0	0	0	16	0		0	0	16	0	0	0	0	0	0			
8002+25.00	17	17	0	0	0	0	0	17	0		0	0	17	0	0	0	0	0	0			
8002+50.00	19	19	0	0	0	0	0	19	0		0	0	19	0	0	0	0	0	0			
8002+75.00	20	20	0	0	0	0	0	20	0		0	0	19	0	0	0	0	0	0			
8003+00.00	20	20	0	0	0	0	0	20	0		0	1	19	0	0	0	0	0	0			
8003+25.00	19	19	0	0	0	0	0	19	1		1	1	18	0	0	0	0	0	0			
8003+50.00	19	19	0	0	0	0	0	19	2		2	2	17	0	0	0	0	0	0			
8003+75.00	19	19	0	0	0	0	0	19	2		2	3	16	0	0	0	0	0	0			
8004+00.00	20	20	0	0	0	0	0	20	2		2	3	17	0	0	0	0	0	0			
8004+25.00	18	15	0	3	0	0	0	18	3		3	4	13	0	0	0	0	0	0			
8004+50.00	16	9	0	8	0	0	0	16	5		5	6	10	0	0	0	0	0	0			
8004+75.00	18	8	0	10	0	0	0	18	5		5	7	11	0	0	0	0	0	0			
8005+00.00	18	8	0	10	0	0	0	18	5		5	6	12	0	0	0	0	0	0			
8005+25.00	19	9	0	10	0	0	0	19	5		5	7	13	0	0	0	0	0	0			
8005+50.00	18	9	0	9	0	0	0	18	5		5	7	11	0	0	0	0	0	0			
8005+75.00	17	9	0	8	0	0	0	17	5		5	7	11	0	0	0	0	0	0			
8006+00.00	18	9	0	9	0	0	0	18	5		5	6	12	0	0	0	0	0	0			
8006+25.00	21	16	0	5	0	0	0	21	4		4	6	15	0	0	0	0	0	0			
8006+50.00	23	23	0	0	0	0	0	23	4		4	5	18	0	0	0	0	0	0			
8006+75.00	21	21	0	0	0	0	0	21	5		5	6	15	0	0	0	0	0	0			
8007+00.00	18	18	0	0	0	0	0	18	5		5	7	11	0	0	0	0	0	0			
8007+25.00	18	18	0	0	0	0	0	18	5		5	7	11	0	0	0	0	0	0			
8007+50.00	19	19	0	0	0	0	0	19	5		5	6	13	0	0	0	0	0	0			
8007+75.00	19	19	0	0	0	0	0	19	5		5	7	12	0	0	0	0	0	0			
8008+00.00	19	19	0	0	0	0	0	19	5		5	7	12	0	0	0	0	0	0			
8008+25.00	19	19	0	0	0	0	0	19	6		6	8	11	0	0	0	0	0	0			
8008+50.00	19	19	0	0	0	0	0	19	6		6	8	11	0	0	0	0	0	0			
8008+75.00	20	20	0	0	0	0	0	20	4		4	5	16	0	0	0	0	0	0			
8009+00.00	19	19	0	0	0	0	0	19	4		4	5	14	0	0	0	0	0	0			
8009+25.00	19	19	0	0	0	0	0	19	3		3	4	15	0	0	0	0	0	0			
8009+50.00	19	19	0	0	0	0	0	19	2		2	3	16	0	0	0	0	0	0			
8009+75.00	20	20	0	0	0	0	0	20	2		2	2	18	0	0	0	0	0	0			
8010+00.00	23	23	0	0	0	0	0	23	1		1	1	22	0	0	0	0	0	0			
8010+25.00	23	23	0	0	0	0	0	23	1		1	2	21	0	0	0	0	0	0			
8010+32.63	22	22	0	0	0	0	0	22	1		1	1	20	0	0	0	0	0	0			
XO_1421																						
Totals:	753	682	0	72	0	0	0	753	115	0	115	150	605	0	0	0	0	0	0			

Preliminary
08-30-2022

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
XO_1509																						
9000+00.00																						
9000+25.00	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0			
9000+50.00	20	20	0	0	0	0	0	20	4		4	5	14	0	0	0	0	0	0			
9000+75.00	22	22	0	0	0	0	0	22	1		1	1	21	0	0	0	0	0	0			
9001+00.00	23	23	0	0	0	0	0	23	1		1	1	23	0	0	0	0	0	0			
9001+25.00	25	25	0	0	0	0	0	25	0		0	1	24	0	0	0	0	0	0			
9001+50.00	24	24	0	0	0	0	0	24	2		2	3	21	0	0	0	0	0	0			
9001+75.00	24	24	0	0	0	0	0	24	2		2	3	21	0	0	0	0	0	0			
9002+00.00	24	24	0	0	0	0	0	24	3		3	5	19	0	0	0	0	0	0			
9002+25.00	24	24	0	0	0	0	0	24	4		4	5	19	0	0	0	0	0	0			
9002+50.00	24	24	0	0	0	0	0	24	3		3	4	20	0	0	0	0	0	0			
9002+75.00	23	23	0	0	0	0	0	23	4		4	6	17	0	0	0	0	0	0			
9003+00.00	24	24	0	0	0	0	0	24	6		6	7	17	0	0	0	0	0	0			
9003+25.00	23	23	0	0	0	0	0	23	8		8	10	13	0	0	0	0	0	0			
9003+50.00	23	23	0	0	0	0	0	23	6		6	8	15	0	0	0	0	0	0			
9003+75.00	23	23	0	0	0	0	0	23	4		4	5	18	0	0	0	0	0	0			
9004+00.00	25	25	0	0	0	0	0	25	3		3	4	21	0	0	0	0	0	0			
9004+25.00	30	30	0	0	0	0	0	30	2		2	3	28	0	0	0	0	0	0			
9004+50.00	37	37	0	0	0	0	0	37	1		1	1	36	0	0	0	0	0	0			
9004+75.00	45	45	0	0	0	0	0	45	0		0	0	44	0	0	0	0	0	0			
9005+00.00	48	48	0	0	0	0	0	48	0		0	0	48	0	0	0	0	0	0			
9005+25.00	53	53	0	0	0	0	0	53	0		0	0	53	0	0	0	0	0	0			
9005+50.00	59	59	0	0	0	0	0	59	0		0	0	59	0	0	0	0	0	0			
9005+75.00	63	63	0	0	0	0	0	63	0		0	0	63	0	0	0	0	0	0			
9006+00.00	56	56	0	0	0	0	0	56	0		0	0	56	0	0	0	0	0	0			
9006+25.00	48	48	0	0	0	0	0	48	0		0	0	48	0	0	0	0	0	0			
9006+50.00	46	46	0	0	0	0	0	46	0		0	0	46	0	0	0	0	0	0			
9006+75.00	46	46	0	0	0	0	0	46	0		0	0	46	0	0	0	0	0	0			
9007+00.00	42	42	0	0	0	0	0	42	0		0	0	42	0	0	0	0	0	0			
9007+25.00	38	38	0	0	0	0	0	38	0		0	0	38	0	0	0	0	0	0			
9007+50.00	33	33	0	0	0	0	0	33	0		0	0	33	0	0	0	0	0	0			
9007+75.00	29	29	0	0	0	0	0	29	0		0	0	29	0	0	0	0	0	0			
9008+00.00	29	29	0	0	0	0	0	29	0		0	0	29	0	0	0	0	0	0			
9008+25.00	24	24	0	0	0	0	0	24	0		0	0	25	0	0	0	0	0	0			
9008+50.00	21	21	0	0	0	0	0	21	0		0	1	20	0	0	0	0	0	0			
9008+75.00	21	21	0	0	0	0	0	21	0		0	1	20	0	0	0	0	0	0			
9009+00.00	21	21	0	0	0	0	0	21	0		0	0	21	0	0	0	0	0	0			
9009+25.00	20	20	0	0	0	0	0	20	0		0	0	19	0	0	0	0	0	0			
9009+50.00	19	19	0	0	0	0	0	19	0		0	1	18	0	0	0	0	0	0			
9009+75.00	18	18	0	0	0	0	0	18	1		1	1	17	0	0	0	0	0	0			
9010+00.00	18	18	0	0	0	0	0	18	1		1	1	17	0	0	0	0	0	0			
9010+25.00	17	17	0	0	0	0	0	17	0		0	1	17	0	0	0	0	0	0			
9010+50.00	17	17	0	0	0	0	0	17	0		0	0	17	0	0	0	0	0	0			
9010+75.00	16	16	0	0	0	0	0	16	0		0	0	16	0	0	0	0	0	0			
9011+00.00	16	16	0	0	0	0	0	16	0		0	0	16	0	0	0	0	0	0			
9011+25.00	16	16	0	0	0	0	0	16	0		0	0	16	0	0	0	0	0	0			
9011+50.00	15	15	0	0	0	0	0	15	0		0	0	16	0	0	0	0	0	0			
9011+75.00	15	15	0	0	0	0	0	15	0		0	0	16	0	0	0	0	0	0			
9012+00.00	15	15	0	0	0	0	0	15	0		0	0	15	0	0	0	0	0	0			
9012+25.00	15	15	0	0	0	0	0	15	0		0	0	15	0	0	0	0	0	0			
9012+50.00	15	15	0	0	0	0	0	15	0		0	0	15	0	0	0	0	0	0			
9012+75.00	15	15	0	0	0	0	0	15	0		0	0	15	0	0	0	0	0	0			
9013+00.00	14	14	0	0	0	0	0	14	0		0	0	14	0	0	0	0	0	0			
9013+25.00	15	15	0	0	0	0	0	15	0		0	0	15	0	0	0	0	0	0			
9013+50.00	16	16	0	0	0	0	0	16	0		0	0	16	0	0	0	0	0	0			
9013+75.00	16	16	0	0	0	0	0	16	0		0	0	16	0	0	0	0	0	0			
9014+00.00	15	15	0	0	0	0	0	15	0		0	0	15	0	0	0	0	0	0			
9014+25.00	15	15	0	0	0	0	0	15	0		0	0	15	0	0	0	0	0	0			
9014+50.00	15	15	0	0	0	0	0	15	0		0	0	15	0	0	0	0	0	0			
9014+50.18	15	15	0	0	0	0	0	15	0		0	0	15	0	0	0	0	0	0			
XO_1509																						
Totals:	1,504	1,504	0	0	0	0	0	1,504	59	0	59	78	1,430	0	0	0	0	0	0			

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Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

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Station	Cut								Fill					Checks (EW-102)		Topsoil						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Unsuitable Type B Volume	Template Pavement Removal Volume	Template Select Loam Volume	Template Waste Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink			
Summary:																						
ML_GRADING	234,164	128,629	60,402	18,722	0	8,941	17,473	156,290	226,067	37,172	263,238	342,238	-185,958	0	0	60,402	34,495	48,322	12,070			
DETOUR	31,305	23,773	5,681	87	1,766	0	0	23,859	61,682	3,852	65,534	85,210	-61,345	0	0	5,681	11,633	16,291	-10,616			
XO_1421 (Crossover)	753	682	0	72	0	0	0	753	115	0	115	150	605	0	0	0	0	0	0			
XO_1509 (Crossover)	1,504	1,504	0	0	0	0	0	1,504	59	0	59	78	1,430	0	0	0	0	0	0			
Project Totals:	267,726	154,588	66,083	18,881	1,766	8,941	17,473	182,406	287,923	41,024	328,946	427,676	-245,268	0	0	66,083	46,128	64,613	1,454			

Bid Items:

Excavation, Class 10, Roadway and Borrow:	182,406 cy = [8]
Embankment-in-Place, Contractor Furnished:	188,667 cy = [13]/1.3
Excavation, Class 10, Waste:	36,354 cy = [4]+[7]
Topsoil, Strip, Salvage and Spread:	66,083 cy = [16]
Compaction With Moisture Control:	328,946 cy = [11]

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