

PROJECT ID: HWY24-02  
WITH: N/A

COUNTY: WASHINGTON

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	WisDOT Standard Detail Drawings
Section No.	7	WisDOT Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS =

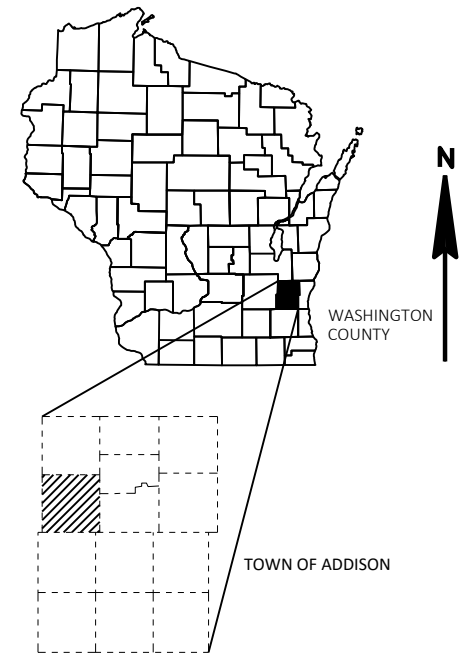
# WASHINGTON COUNTY HIGHWAY DEPARTMENT

## PLAN OF PROPOSED IMPROVEMENT

### CTH S RECONSTRUCTION CTH R - CTH W TOWN OF ADDISON

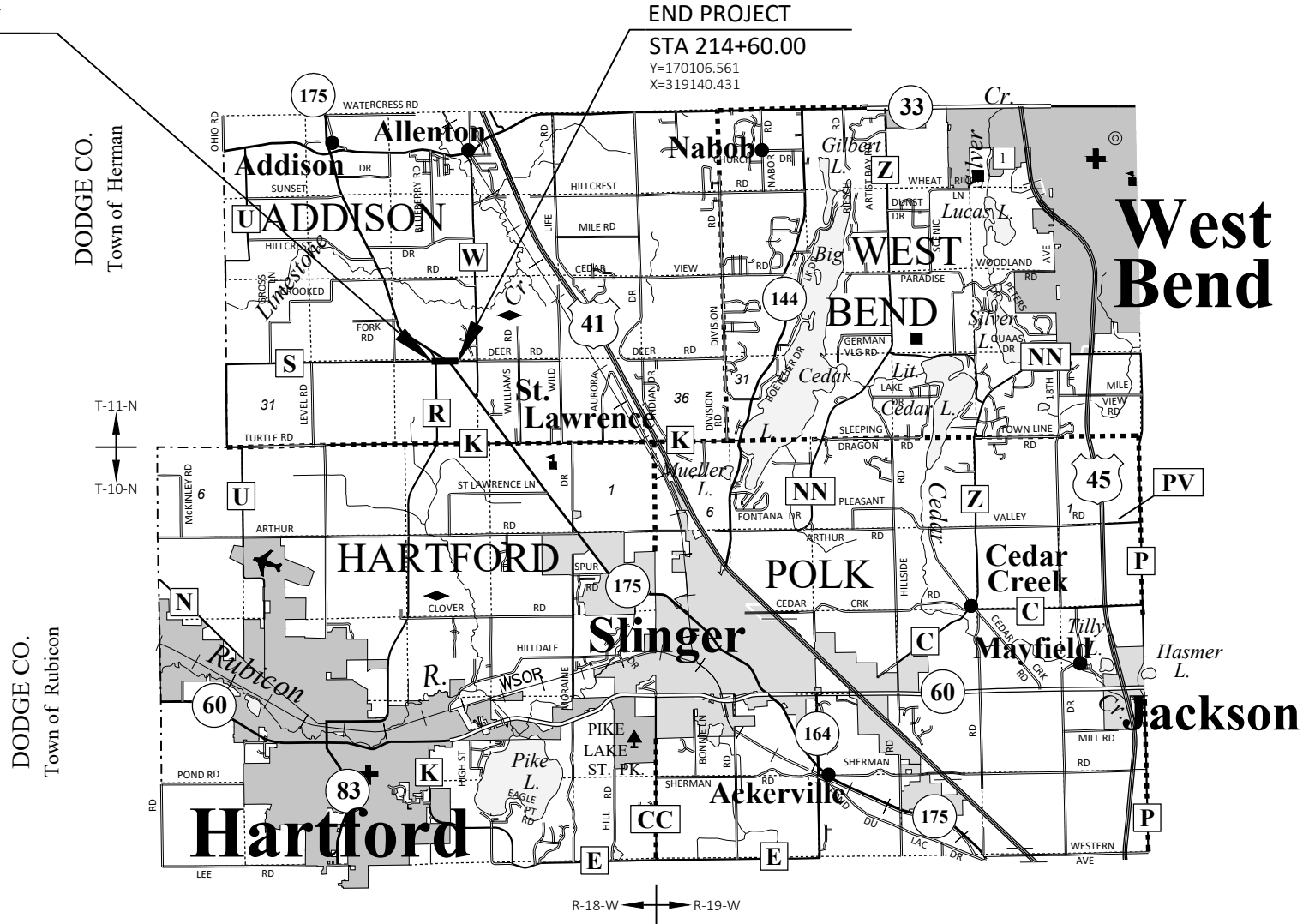
**NOT FOR CONSTRUCTION**  
**12/15/2023**

PROJECT NUMBER  
**HWY24-02**



BEGIN PROJECT  
STA 197+00.00  
Y=170136.975  
X=317425.283

END PROJECT  
STA 214+60.00  
Y=170106.561  
X=319140.431



CONVENTIONAL SYMBOLS

<b>PLAN</b>	<b>PROFILE</b>
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	<b>UTILITIES</b>
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
MARSH AREA	STORM SEWER
WOODED OR SHRUB AREA	TELEPHONE
	WATER
	UTILITY PEDESTAL
	POWER POLE
	TELEPHONE POLE

ACCEPTED FOR  
WASHINGTON COUNTY  
Date \_\_\_\_\_  
SCOTT SCHMIDT  
HIGHWAY COMMISSIONER

ORIGINAL PLANS PREPARED BY  
**G GREMMER & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
Stevens Point • Fond du Lac  
93 South Pioneer Road, Suite 300  
Fond du Lac, WI 54805  
(920) 924-5720

DATE: \_\_\_\_\_  
BENJAMIN L. OITZINGER, PE

**GENERAL NOTES**

WETLAND LIMITS ARE SHOWN ON THE PLANS. CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO WORK WITHIN THE SLOPE INTERCEPTS IN THE WETLAND AREAS.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

A VERTICAL SAW CUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS, SIDEWALKS AND PAVEMENTS AT THE REMOVAL LIMITS.

SAWCUT LOCATIONS SHOWN ON THE PLANS ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD.

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE DENSE, HMA PAVEMENT OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE MATERIAL SHOWN ON THE PLAN IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATION AND LAYOUT OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

CLEARING AND GRUBBING SHALL BE LIMITED TO THE LIMITS WITHIN THE SLOPE INTERCEPTS AND AS DIRECTED BY THE ENGINEER.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

TOPSOIL, FERTILIZER, SEED AND MULCH OR EROSION MAT AS SHOWN IN PLANS OR AS DIRECTED BY THE ENGINEER SHALL BE PLACED ON ALL DISTURBED AREAS, EXCLUSIVE OF THE AREA OCCUPIED BY THE NEW PAVEMENTS, SIDEWALKS, ENTRANCES, AND RELATED STRUCTURES.

AREAS DISTURBED OUTSIDE OF THE GRADING LIMITS ARE TO BE RESTORED AT THE RESPONSIBILITY OF THE CONTRACTOR.

SECTIONS AS SHOWN ON THE CROSS-SECTIONS INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED.

CONTRACTOR SHALL VERIFY EXISTING PIPE SIZES, MATERIALS AND INVERT ELEVATIONS WHEN CONNECTING NEW STORM SEWER INTO EXISTING PIPES PRIOR TO MANUFACTURING INLETS AND MANHOLES.

ROTATE MANHOLE COVERS TO MATCH LANE LINES OR CENTER OF LANE AS DIRECTED BY THE ENGINEER IN THE FIELD.

REMOVAL OF ASPHALTIC PAVEMENT SHALL BE MEASURED AND PAID FOR AS EXCAVATION COMMON.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING, OR PARKING LANE.

**ABBREVIATIONS**

AEW	APRON ENDWALL
AGG	AGGREGATE
AH	AHEAD
ASP	ASPHALT
BK	BACK
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
CC	CENTER OF CURVATURE
CE	COMMERCIAL ENTRANCE
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CS	CURVE SPIRAL, THE POINT OF CHANGE IN ALIGNMENT FROM CURVE TO SPIRAL
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
E	EXTERNAL DISTANCE FROM MIDPOINT OF CIRCULAR CURVE FROM ANGLE INTERSECTION
EB	EASTBOUND
ELEV	ELEVATION
FE	FIELD ENTRANCE
HMA	HOT MIX ASPHALT
HP	HIGH POINT
HT	HEIGHT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LP	LOW POINT
LS	LENGTH OF SPIRAL
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
NOM	NOMINAL
NORM	NORMAL
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
REQUIRED	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SC	SPIRAL CURVE, THE POINT OF CHANGE IN ALIGNMENT FROM SPIRAL TO CURVE
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SEG	SEGMENT
SF	SQUARE FOOT
SS	STORM SEWER
ST	SPIRAL TANGENT, THE POINT OF CHANGE IN ALIGNMENT FROM SPIRAL TO TANGENT
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
TS	TANGENT SPIRAL, THE POINT OF CHANGE IN ALIGNMENT FROM TANGENT TO SPIRAL
TYP	TYPICAL
V	VELOCITY OR DESIGN SPEED
VC	VERTICAL CURVE
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPRC	POINT OF VERTICAL REVERSE CURVE
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND
WCL	WISCONSIN CENTRAL LTD.

**ORDER OF SECTION 2 SHEETS**

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PLAN DETAILS
- EROSION CONTROL PLAN
- SIGNING & MARKING PLAN
- TRAFFIC CONTROL
- DETOUR
- ALIGNMENT DIAGRAM



**DESIGN CONTACT**

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**DNR AREA LIAISON**

WISCONSIN DEPT. OF NATURAL RESOURCES  
 2300 N. DR. MARTIN LUTHER KING JR. DR.  
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 PHONE: (414) 263-8517  
 EMAIL: kristina.betzold@wisconsin.gov

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**ELECTRIC**

\* WE ENERGIES - ELECTRIC  
 500 SOUTH 116th STREET  
 WEST ALLIS, WI 53214  
 ATTN: GREG BOERNER  
 MOBILE: (608) 409-5861  
 EMAIL: gregory.boerner@we-energies.com

**GAS**

\* WE ENERGIES - GAS  
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 WEST ALLIS, WI 53214  
 ATTN: DENEIRIA FLETCHER  
 PHONE: (414) 659-3998  
 EMAIL: Deneiria.Fletcher@we-energies.com

\* DENOTES MEMBER OF DIGGERS HOTLINE

**COMMUNICATIONS**

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 EMAIL: russell.w.ryan@ftr.com

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 EMAIL: nick.frase@charter.com

**EROSION CONTROL NOTES**

EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH LOCAL ORDINANCES AND THE WDNR CONSERVATION PRACTICE TECHNICAL STANDARDS.

EROSION CONTROL ITEMS SHOWN ARE APPROXIMATE, THE EXACT LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THAT THE MEASURE IS NO LONGER NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING EROSION CONTROL MEASURE AS DIRECTED BY THE ENGINEER.

SILT FENCE SHALL BE INSTALLED IN AREAS WHERE ON-SITE SOILS AND STORMWATER MAY EXIT THE CONSTRUCTION SITE.

TRACKING PAD(S) SHALL BE MAINTAINED AND ALL ACCESS TO AND FROM RECONSTRUCT AREAS SHALL BE VIA TRACKING PAD(S) ONLY.

GEOTEXTILE FABRIC SHALL BE PLACED UNDER AREAS REQUIRING RIPRAP.

INSTALL CULVERT PIPE DITCH CHECKS IN ALL UPSTREAM ENDS OF CULVERTS WITH APRON ENDWALLS.

ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A STORM EVENT SHALL BE CLEANED UP BY THE END OF EACH DAY. FLUSHING SHALL NOT BE ALLOWED.

FOR ANY DISTURBED AREA THAT REMAINS INACTIVE FOR MORE THAN 7 WORKING DAYS, OR WHERE GRADING EXTENDS BEYOND THE PERMANENT SEEDING DEADLINES, THE SITE MUST BE TREATED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING, AND/OR MULCHING.

ALL DISTURBED AREAS SHALL BE TREATED WITH STABILIZATION MEASURES AS SPECIFIED WITHIN 3 WORKING DAYS OF FINAL GRADING.

ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR THE APPLICATION OF STABILIZATION MEASURES MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.

**CONSTRUCTION SEQUENCE**

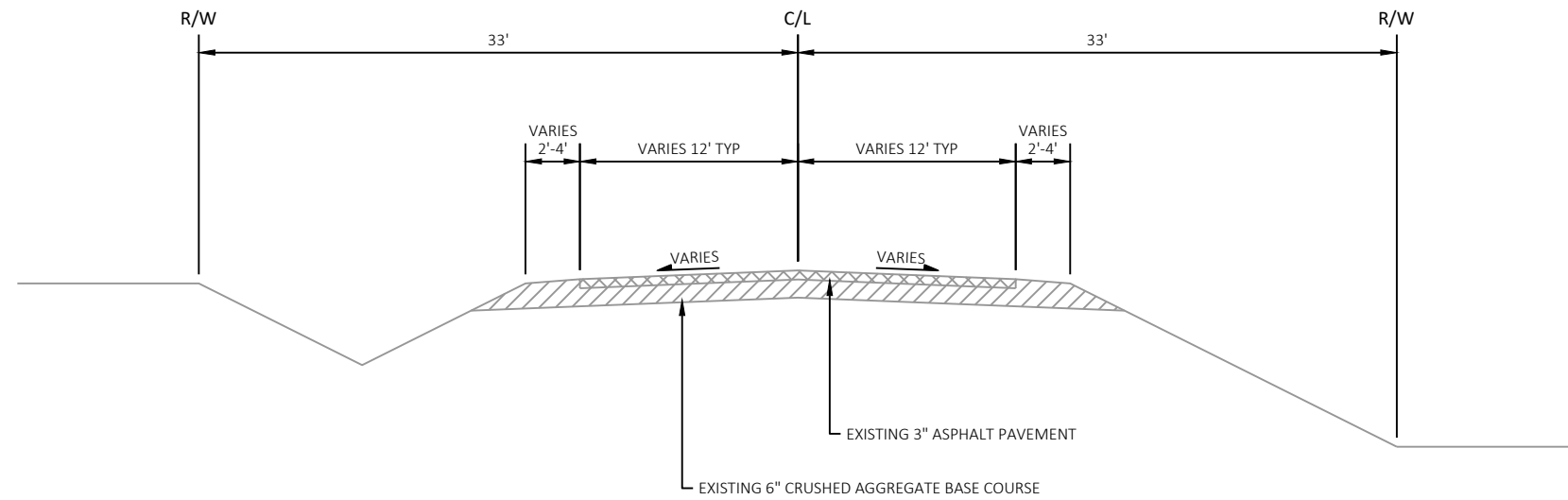
1. IDENTIFY AND MARK WETLAND BOUNDARIES TO AVOID UNINTENDED IMPACTS. TEMPORARY CROSSING OF THE WETLANDS IS NOT ALLOWED WITHOUT PRIOR COORDINATION AND ACCEPTANCE FROM WDNR. ANY APPROVED WETLAND CROSSING SHALL SPECIFY THE LOCATION AND THE MEANS/METHODS PROPOSED TO LIMIT DISTURBANCE.
2. COMPLETE SLOPE STAKING TO AVOID EXCESSIVE CONSTRUCTION DISTURBANCE.
3. INSTALL TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCE, SEDIMENT TRAPS, DITCH CHECKS, PIPE CHECKS, AND TRACKING PAD(S). ADD TEMPORARY EROSION CONTROL MEASURES AS GRADING WORK PROGRESSES. TOPSOIL STRIPPING SHALL NOT BEGIN UNTIL EROSION CONTROL MEASURES ARE IN PLACE.
4. STRIP TOPSOIL AND CLEAR & GRUB IN A PROGRESSIVE MANNER THROUGHOUT THE PROJECT, AS NEEDED FOR GRADING WORK. CONSTRUCT PERIMETER CONTROL AROUND ANY STOCKPILES AND PLACE TEMPORARY SEEDING AS REQUIRED. LIMIT THE SIZE OF DISTURBED AREAS TO THAT WHICH CAN BE READILY STABILIZED.
5. COMPLETE GRADING WORK, PLACING PERMANENT EROSION CONTROL MEASURES AS PRACTICAL. CONSTRUCT ROADWAY AND ADJUST TEMPORARY EROSION CONTROL MEASURES AS NECESSARY.
6. COMPLETE REMAINING TOPSOIL, LANDSCAPING, AND PERMANENT EROSION CONTROL MEASURES THROUGHOUT THE PROJECT. REMOVE ACCUMULATED SEDIMENT FROM TEMPORARY EROSION CONTROL MEASURES AND REMOVE AND DISPOSE OF USED EROSION CONTROL DEVICES AFTER 70% VEGETATIVE STABILIZATION HAS OCCURRED.



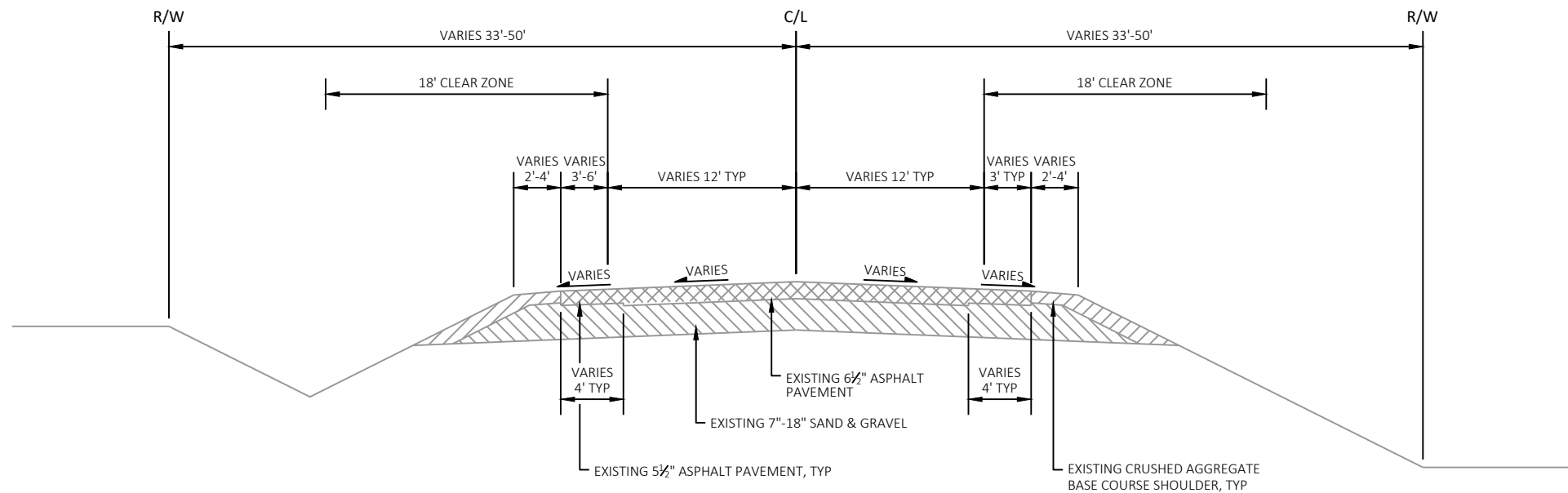
CONTROL POINT TABLE			
POINT #	NORTHING	EASTING	ELEVATION
10	170083.4950	318555.6700	1079.61
11	170138.4040	317955.6880	1077.66
10607	170140.6740	318046.4500	1077.75
10618	170161.8510	317635.9010	1071.14
10737	169933.1390	317739.6820	1074.38
30000	170755.8020	317556.4480	1054.12
30001	171024.9700	317092.6340	1050.00

BENCH MARKS		
BM	DESCRIPTION	ELEVATION
ADDISON GPS	NGS BRASS CAP IN CONCRETE, WEST SIDE OF FORK ROAD, 200' NORTH OF CTH S	1083.20

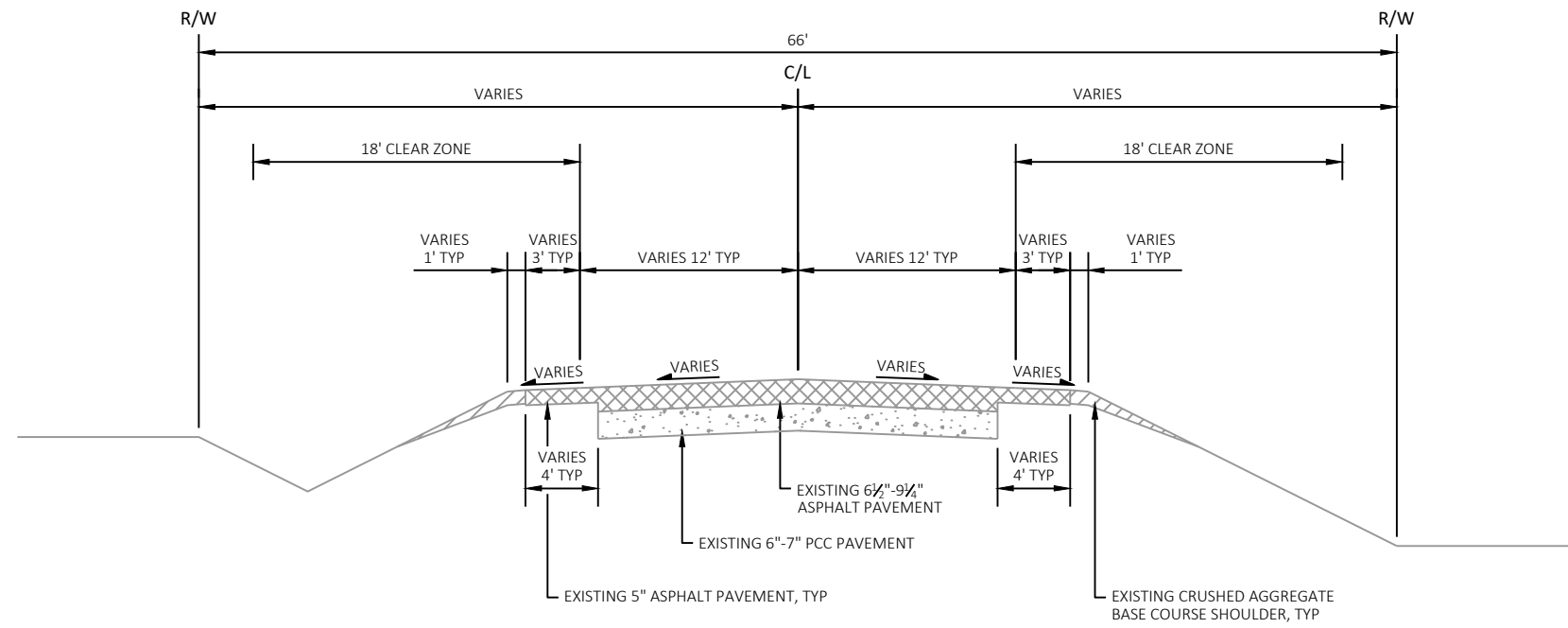
\*\*VERTICAL DATUM REFERENCED TO NAVD88 (2012).



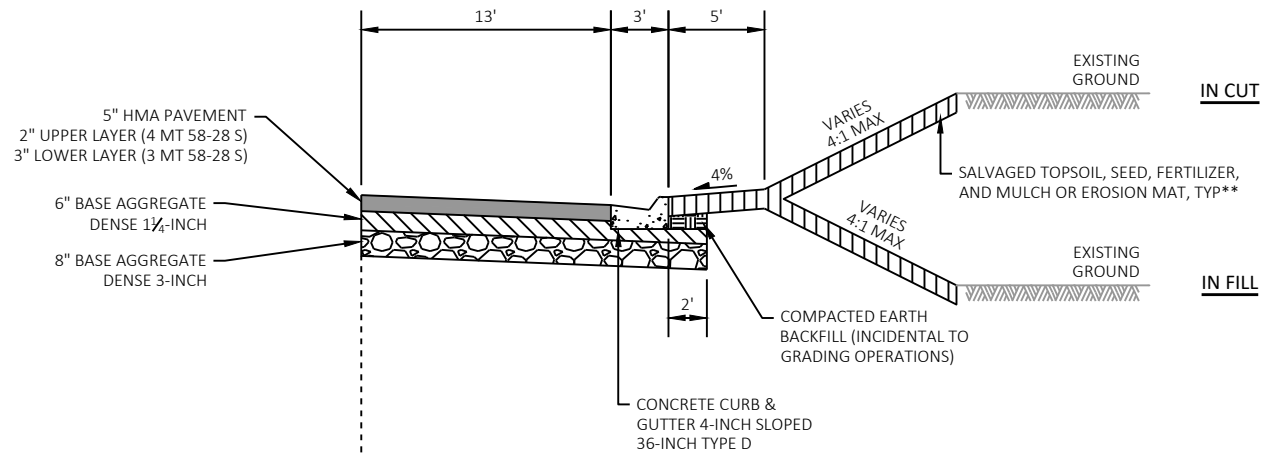
**TYPICAL EXISTING SECTION**  
 CTH S  
 STA 197+00 - STA 214+60



**TYPICAL EXISTING SECTION**  
 CTH R  
 STA 244+50 - STA 255+19



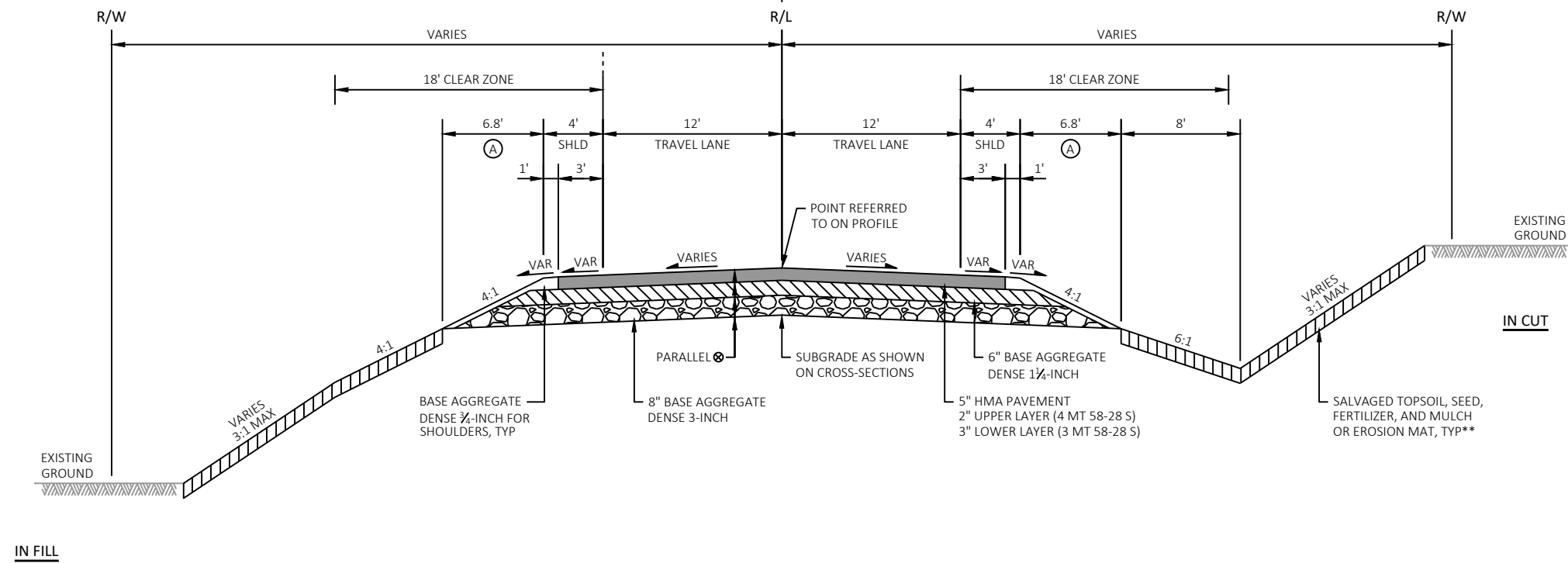
**TYPICAL EXISTING SECTION**  
 STH 175  
 STA 816+85 - STA 825+73



**CURB & GUTTER SECTION**

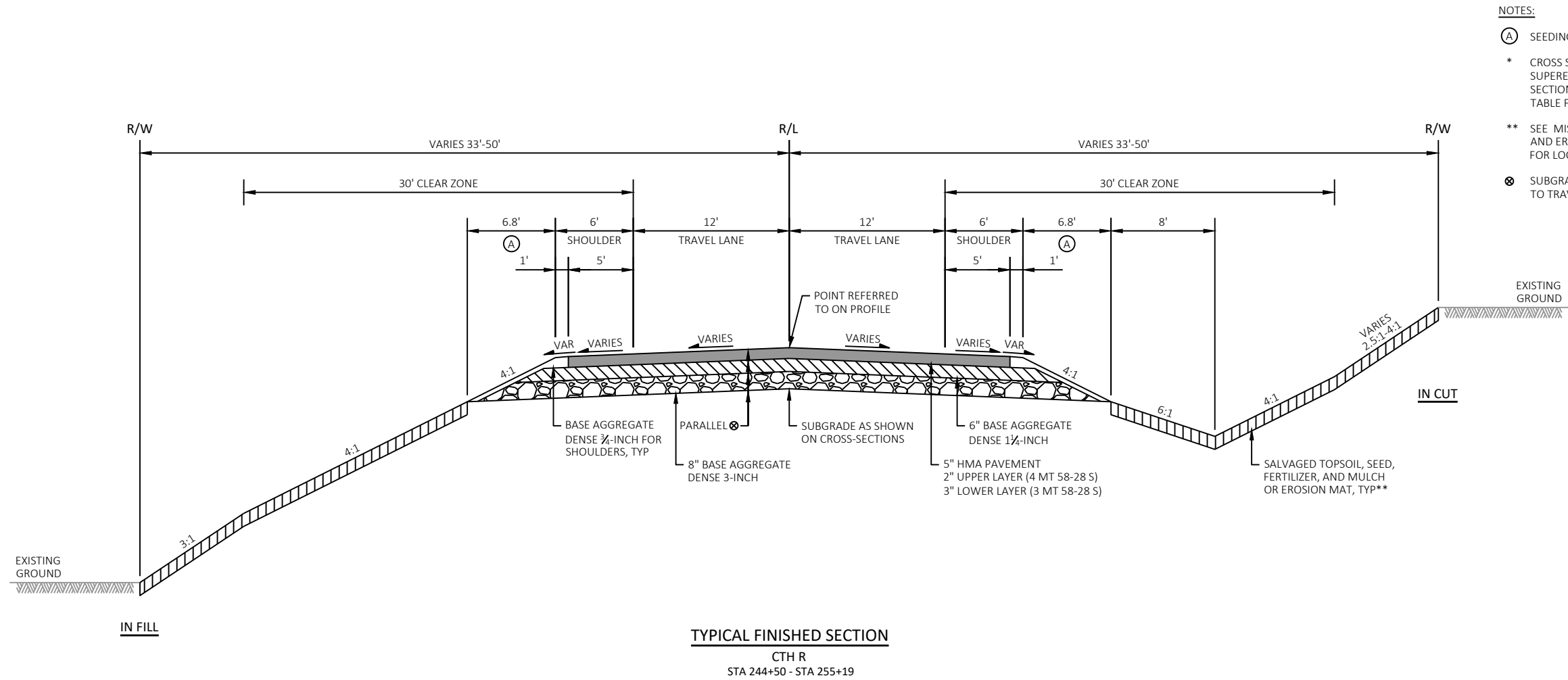
**NOTES:**

- Ⓐ SEEDING & FERTILIZER
- \* CROSS SLOPE VARIES DUE TO SUPERELEVATION (SEE CROSS SECTIONS AND SUPERELEVATION TABLE FOR FURTHER DETAILS).
- \*\* SEE MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLANS FOR LOCATIONS AND TYPES.
- ⊗ SUBGRADE SLOPES ARE PARALLEL TO TRAVEL LANE.



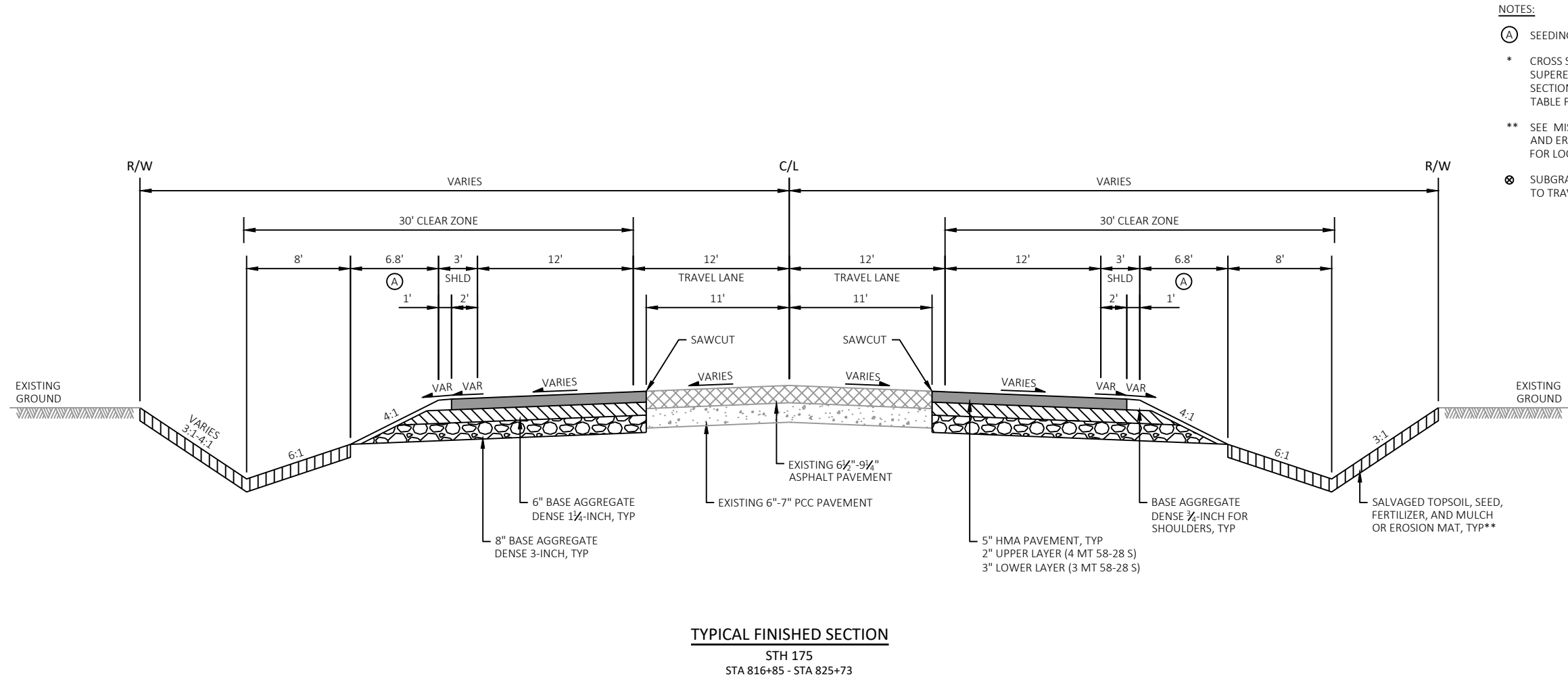
**TYPICAL FINISHED SECTION**

CTH 5  
STA 197+00 - STA 214+60



NOTES:

- Ⓐ SEEDING & FERTILIZER
- \* CROSS SLOPE VARIES DUE TO SUPERELEVATION (SEE CROSS SECTIONS AND SUPERELEVATION TABLE FOR FURTHER DETAILS).
- \*\* SEE MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLANS FOR LOCATIONS AND TYPES.
- ⊗ SUBGRADE SLOPES ARE PARALLEL TO TRAVEL LANE.

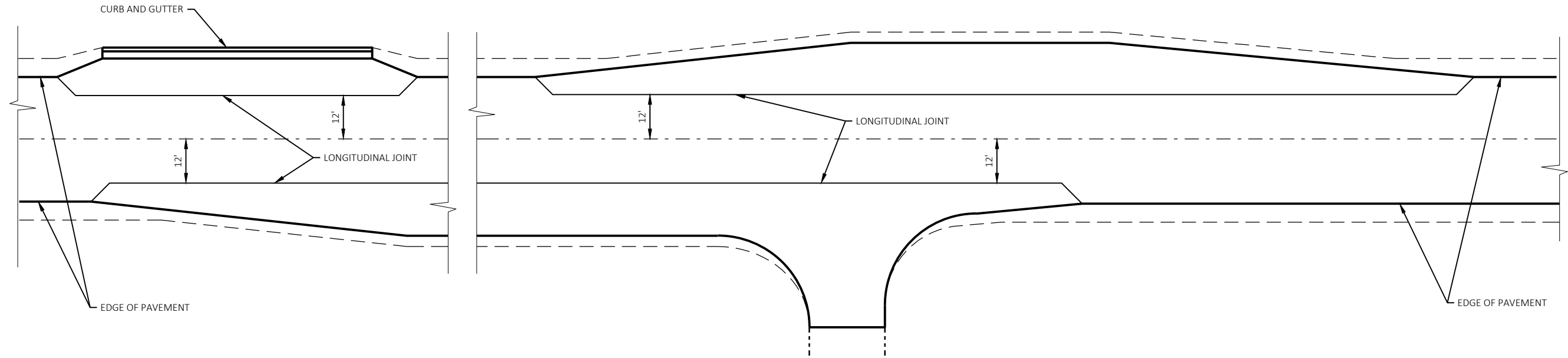


NOTES:

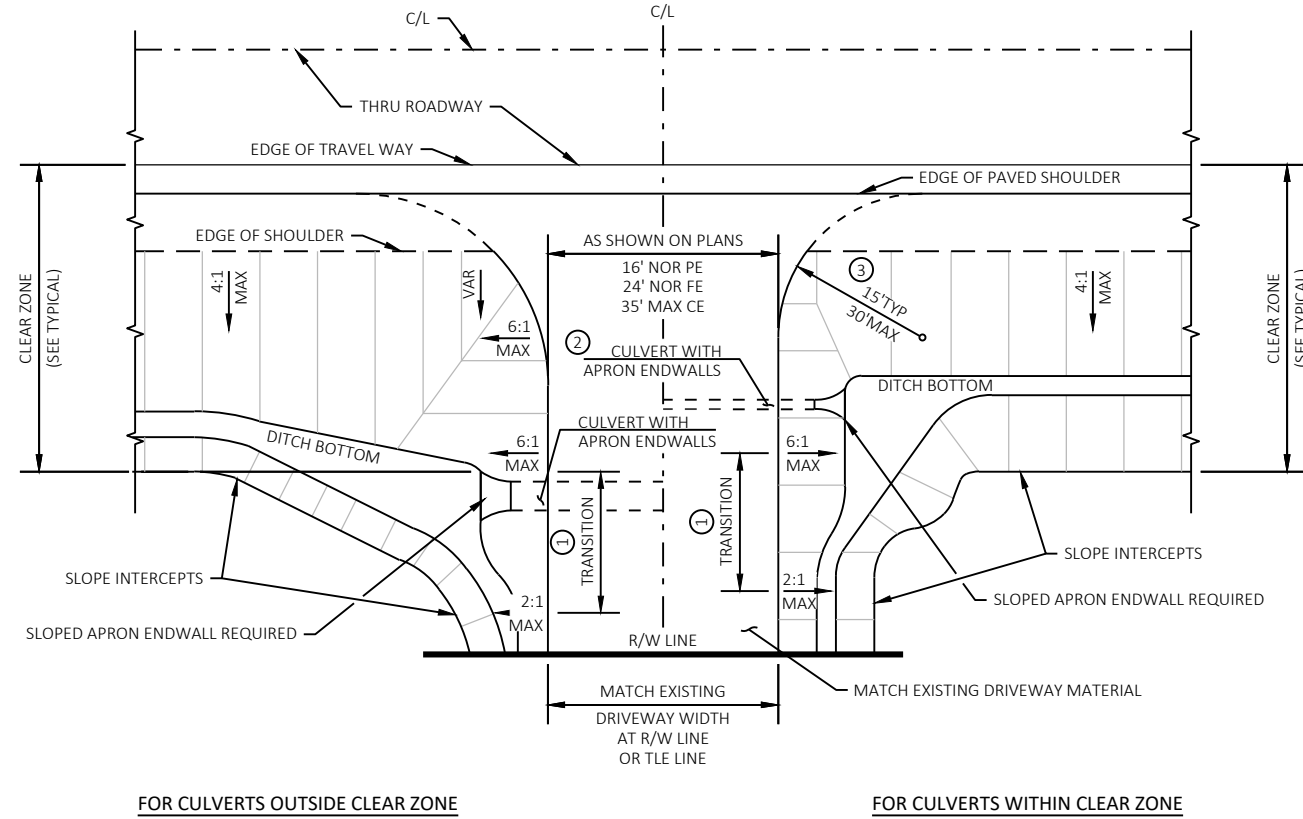
- (A) SEEDING & FERTILIZER
- \* CROSS SLOPE VARIES DUE TO SUPERELEVATION (SEE CROSS SECTIONS AND SUPERELEVATION TABLE FOR FURTHER DETAILS).
- \*\* SEE MISCELLANEOUS QUANTITIES AND EROSION CONTROL PLANS FOR LOCATIONS AND TYPES.
- ⊗ SUBGRADE SLOPES ARE PARALLEL TO TRAVEL LANE.



\* TO BE USED AT ALL INTERSECTIONS, BYPASS LANES, PASSING LANES, AND RURAL CURB SECTIONS



HMA LONGITUDINAL JOINT DETAIL

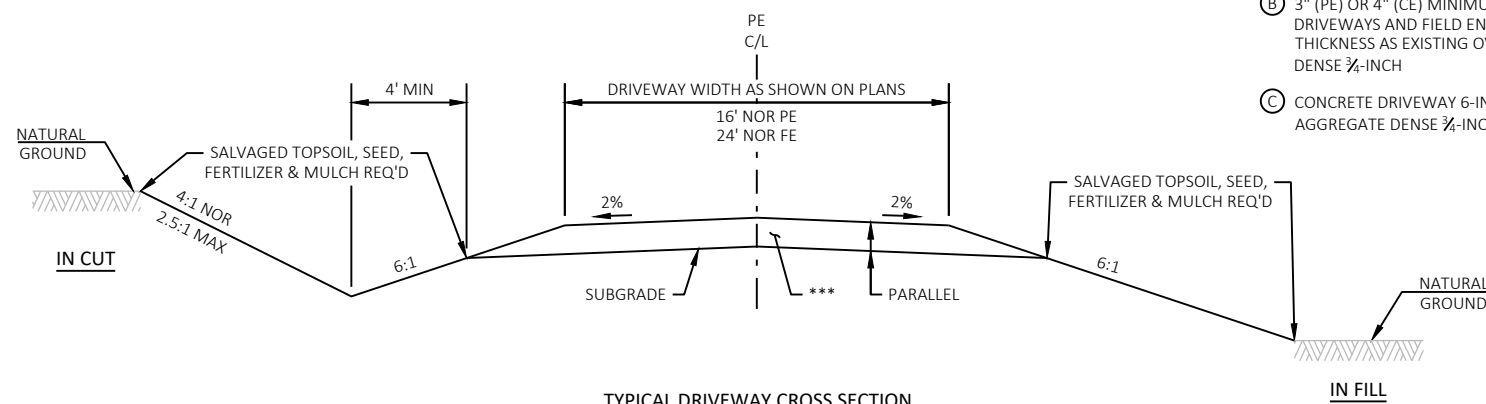


- ① TRANSITION TO BE ACCOMPLISHED WITHIN THE RIGHT OF WAY
- ② BLEND 6 : 1 SLOPES TO MATCH APRON ENDWALLS
- ③ USE LARGER PAVING RADIUS FOR PAVING IN HIGHER SPEED ZONES (> 40 MPH)

FOR CULVERTS OUTSIDE CLEAR ZONE

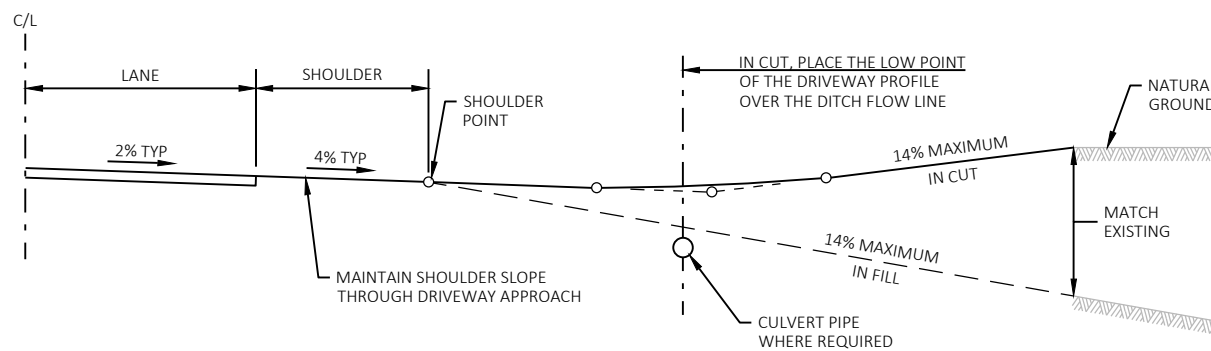
FOR CULVERTS WITHIN CLEAR ZONE

RURAL DRIVEWAY PLAN VIEW



TYPICAL DRIVEWAY CROSS SECTION

- \*\*\* (A) 6" BASE AGGREGATE DENSE 3/4-INCH
- (B) 3" (PE) OR 4" (CE) MINIMUM ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OR SAME THICKNESS AS EXISTING OVER 6" BASE AGGREGATE DENSE 3/4-INCH
- (C) CONCRETE DRIVEWAY 6-INCH OVER 6" BASE AGGREGATE DENSE 3/4-INCH



TYPICAL DRIVEWAY PROFILE

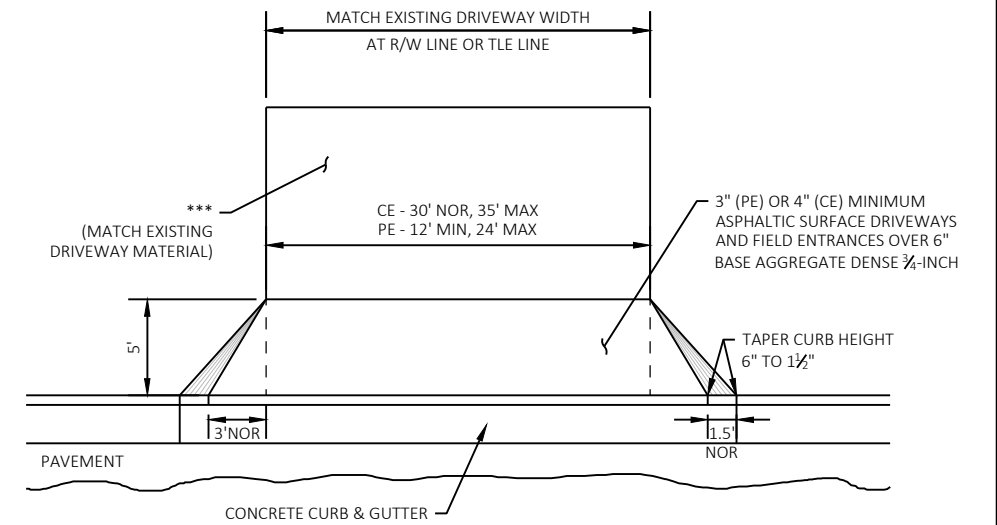
RURAL ENTRANCE DETAIL

\*\*\* 6" BASE AGGREGATE DENSE 3/4-INCH

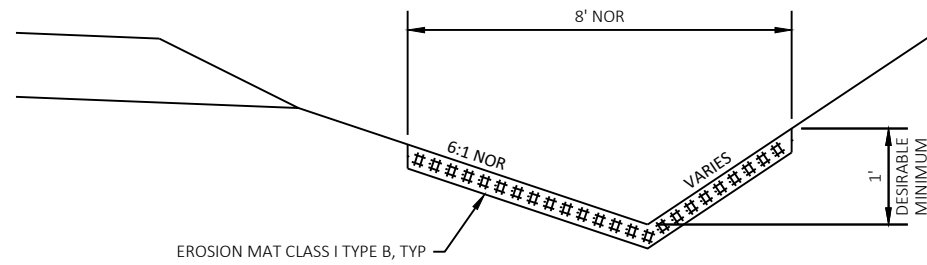
3" (PE) OR 4" (CE) MINIMUM ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OR SAME THICKNESS AS EXISTING OVER 6" BASE AGGREGATE DENSE 3/4-INCH

CONCRETE DRIVEWAY 6-INCH OVER 6" BASE AGGREGATE DENSE 3/4-INCH

NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%



ENTRANCE DETAIL WITH CURB & GUTTER



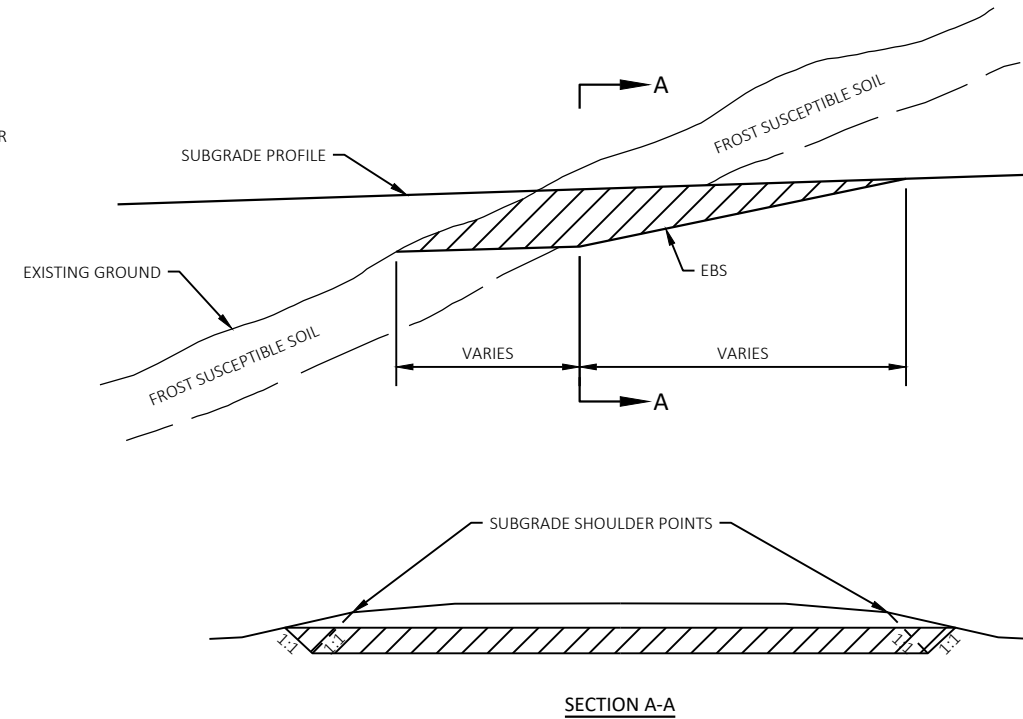
EROSION MAT DETAIL FOR DITCHES

SCHEDULE OF EXCAVATION BELOW SUBGRADE CONSTRUCTION OPERATIONS:

1. EXCAVATE TO SUBGRADE ELEVATIONS SHOWN.
2. PROOF ROLL SUBGRADE.
3. IF ENGINEER DEEMS SUBGRADE ACCEPTABLE, CONSTRUCT ROADWAY PER TYPICAL SECTIONS.
4. IF ENGINEER DEEMS SUBGRADE UNACCEPTABLE, EBS PER ENGINEER'S RECOMMENDATION.
5. IF ENGINEER DEEMS EBS SUBGRADE ACCEPTABLE, BACKFILL WITH BREAKER RUN AND CONSTRUCT ROADWAY PER TYPICAL SECTIONS.
6. IF ENGINEER DEEMS EBS SUBGRADE UNACCEPTABLE, ADDITIONAL CONSTRUCTION OPERATIONS SHALL BE COORDINATED WITH THE ENGINEER AND MAY INCLUDE THE USE OF GEOGRID TYPE SR.

NOTES:

1. EBS SHALL BE PAID FOR AS EXCAVATION BELOW SUBGRADE - 205.0010.02.
2. EXACT LOCATIONS AND EXTENT OF EBS SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
3. FILL VOID WITH BREAKER RUN.
4. BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.
5. THE FILL SECTION WITHIN 100' OF THE MOUNT OF THE CUT SHALL BE KEPT 2' BELOW SUBGRADE UNTIL EBS IS COMPLETED.

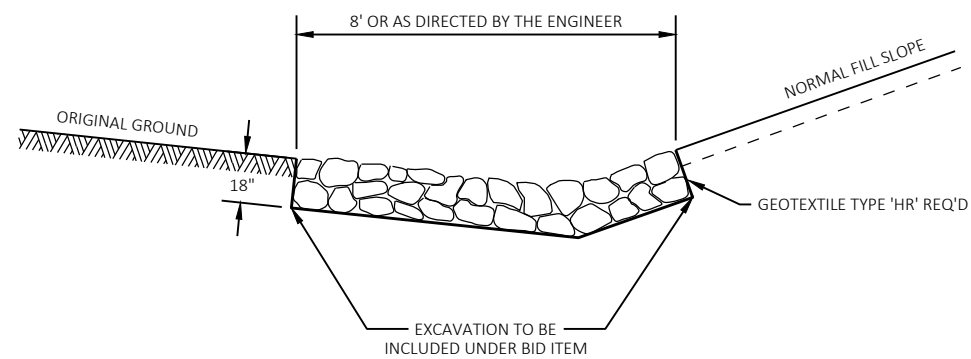


EXCAVATION BELOW SUBGRADE

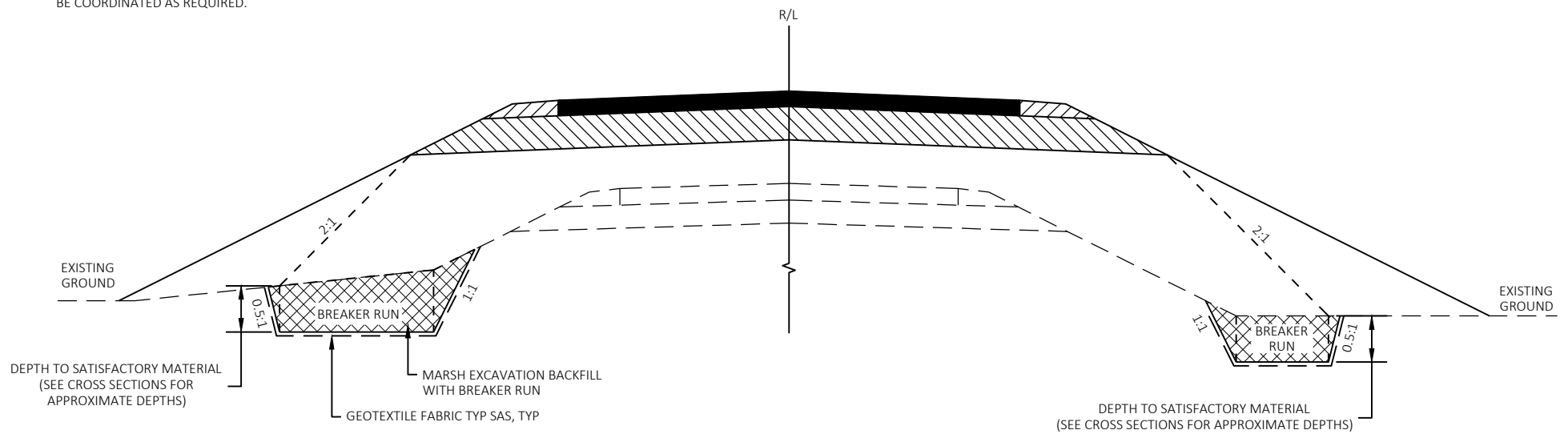
SCHEDULE OF PARTIAL MARSH EXCAVATION CONSTRUCTION OPERATIONS:

1. EXCAVATE TO MARSH EXCAVATION ELEVATIONS SHOWN.
2. IF ENGINEER DEEMS SUBGRADE ACCEPTABLE, PLACE GEOTEXTILE FABRIC TYPE SAS AND BACKFILL WITH BREAKER RUN TO EXISTING GROUND. REMAINDER OF VOID TO BE BACKFILLED WITH FILL TO SUBGRADE. CONSTRUCT ROADWAY PER TYPICAL SECTIONS. ADDITIONAL CONSTRUCTION OPERATIONS FOR MARSH EXCAVATION DEEMED UNACCEPTABLE WILL BE COORDINATED AS REQUIRED.

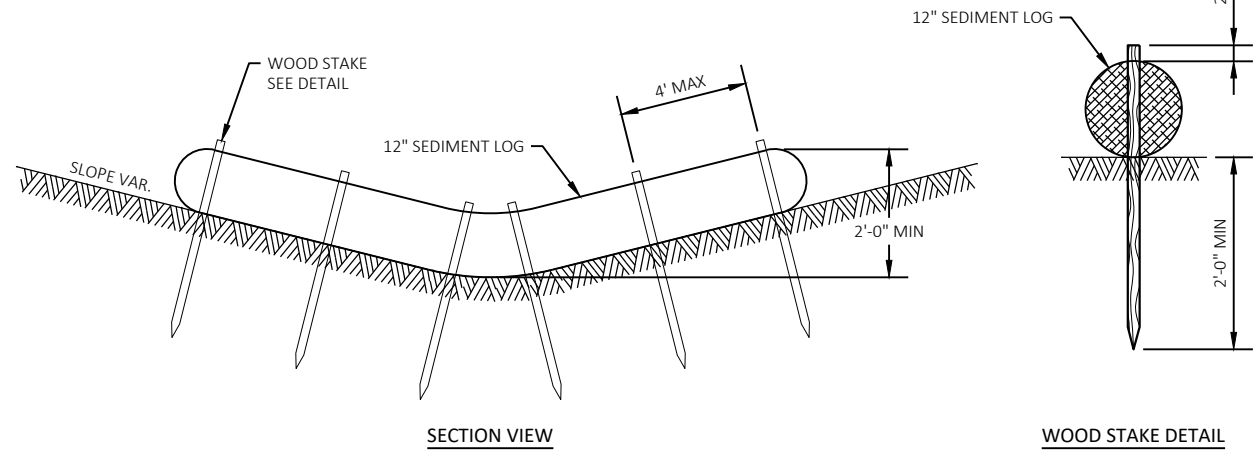
☒ MARSH EXCAVATION



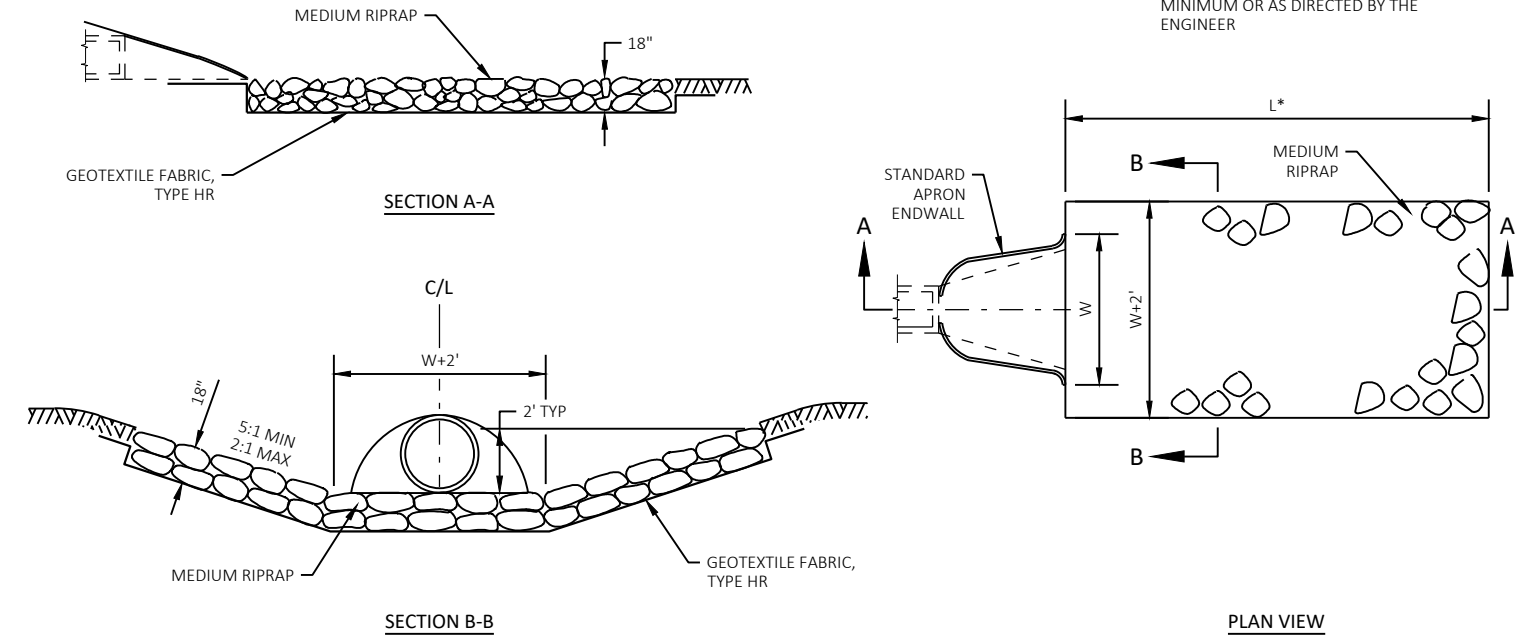
DETAIL FOR RIPRAP MEDIUM IN DITCHES



PARTIAL MARSH EXCAVATION DETAIL

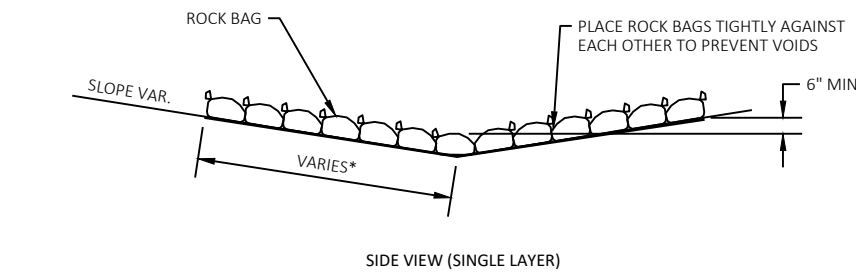


SEDIMENT LOG DETAIL

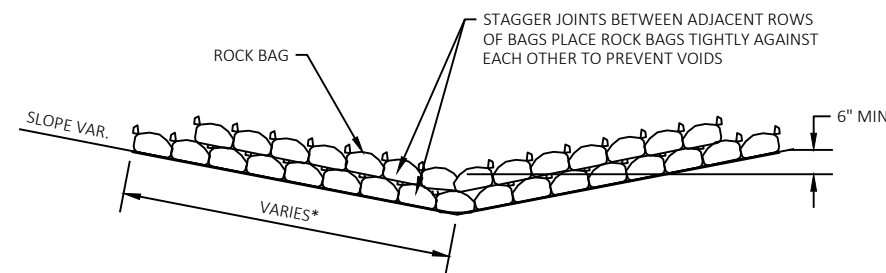


MEDIUM RIPRAP AND GEOTEXTILE FABRIC  
DETAIL AT APRON ENDWALLS

\* L = 3 TIMES DIAMETER (NOR) OR 10' MINIMUM OR AS DIRECTED BY THE ENGINEER



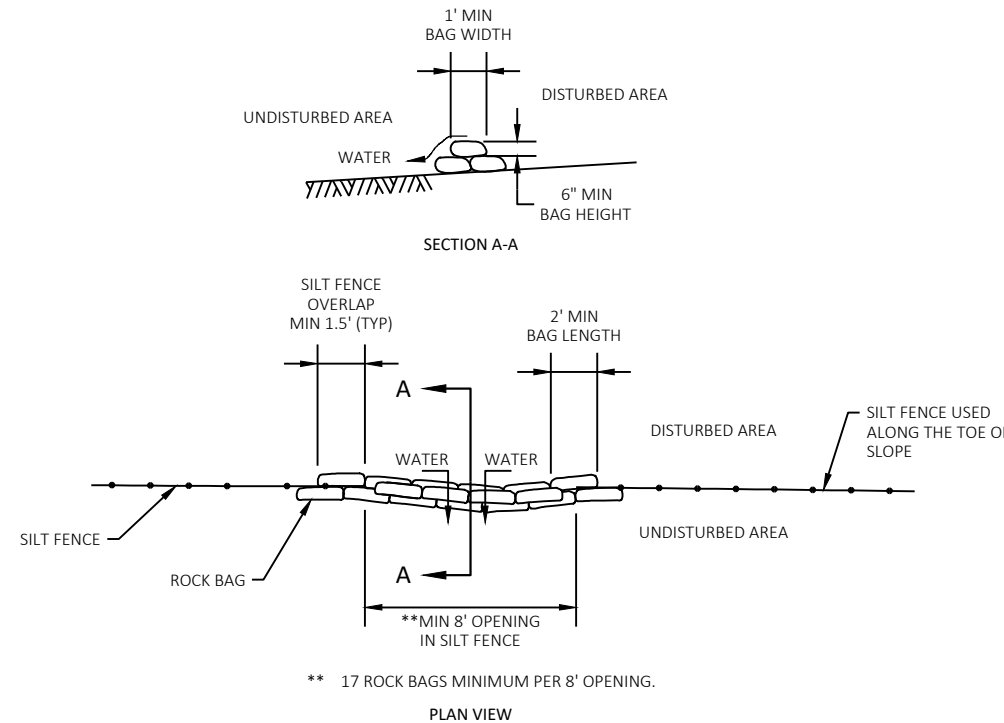
SIDE VIEW (SINGLE LAYER)



SIDE VIEW (MULTIPLE LAYER)

\* LENGTH AND NUMBER OF BAGS MAY VARY DEPENDING ON DESIRED DEPTH OF WATER POOL

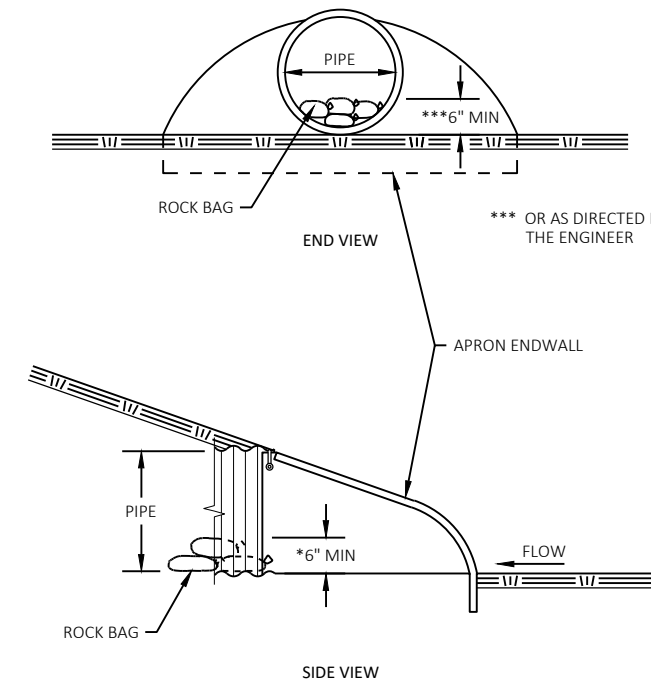
ROCK BAGS USED FOR DITCH CHECKS



ROCK BAGS USED FOR SILT FENCE RELIEF POINT

ROCK BAGS DETAIL

\*\* 17 ROCK BAGS MINIMUM PER 8' OPENING.

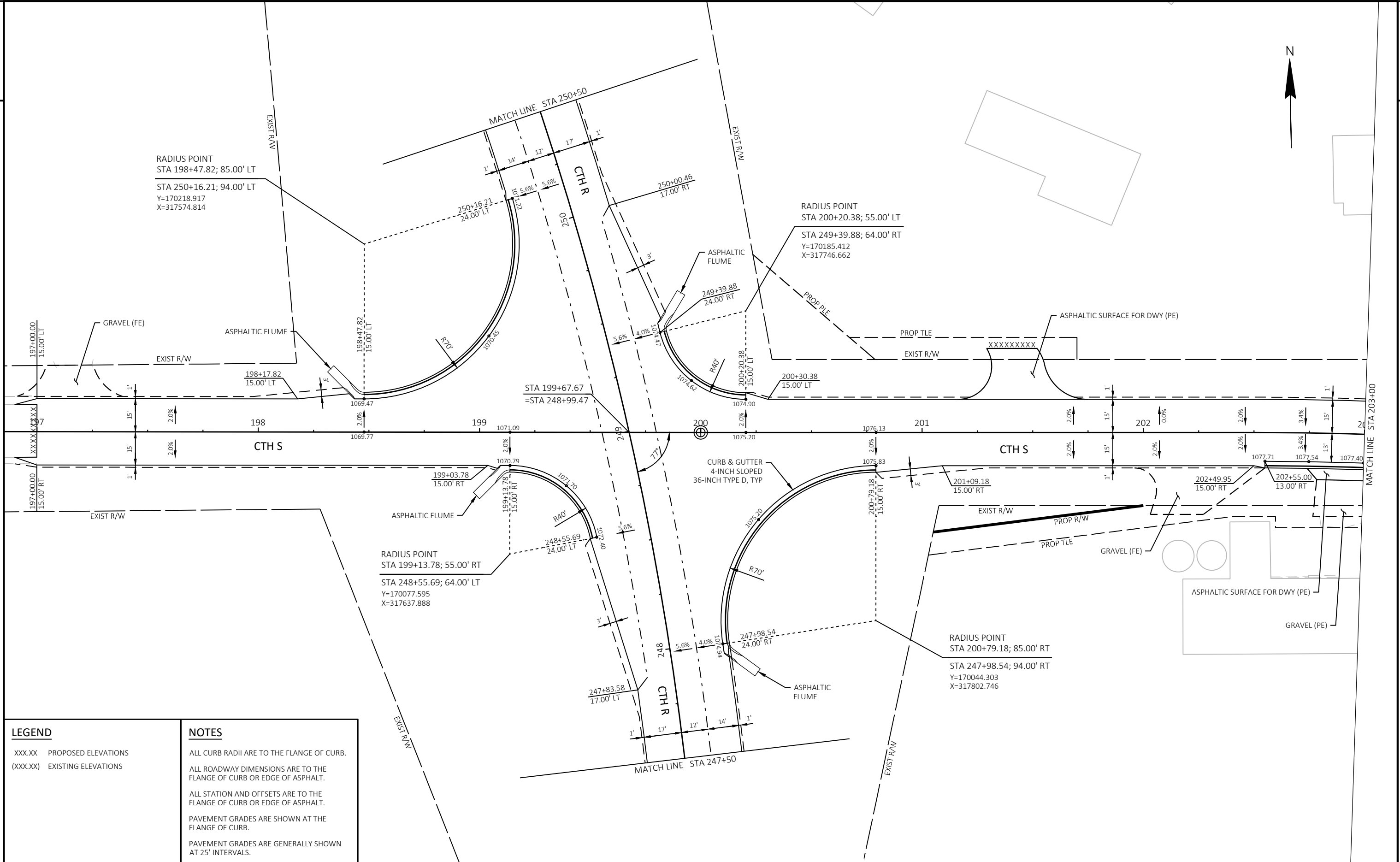


ROCK BAGS USED FOR CULVERT PIPE CHECKS

ESTIMATED BAG SIZE = 18" X 12" X 6"

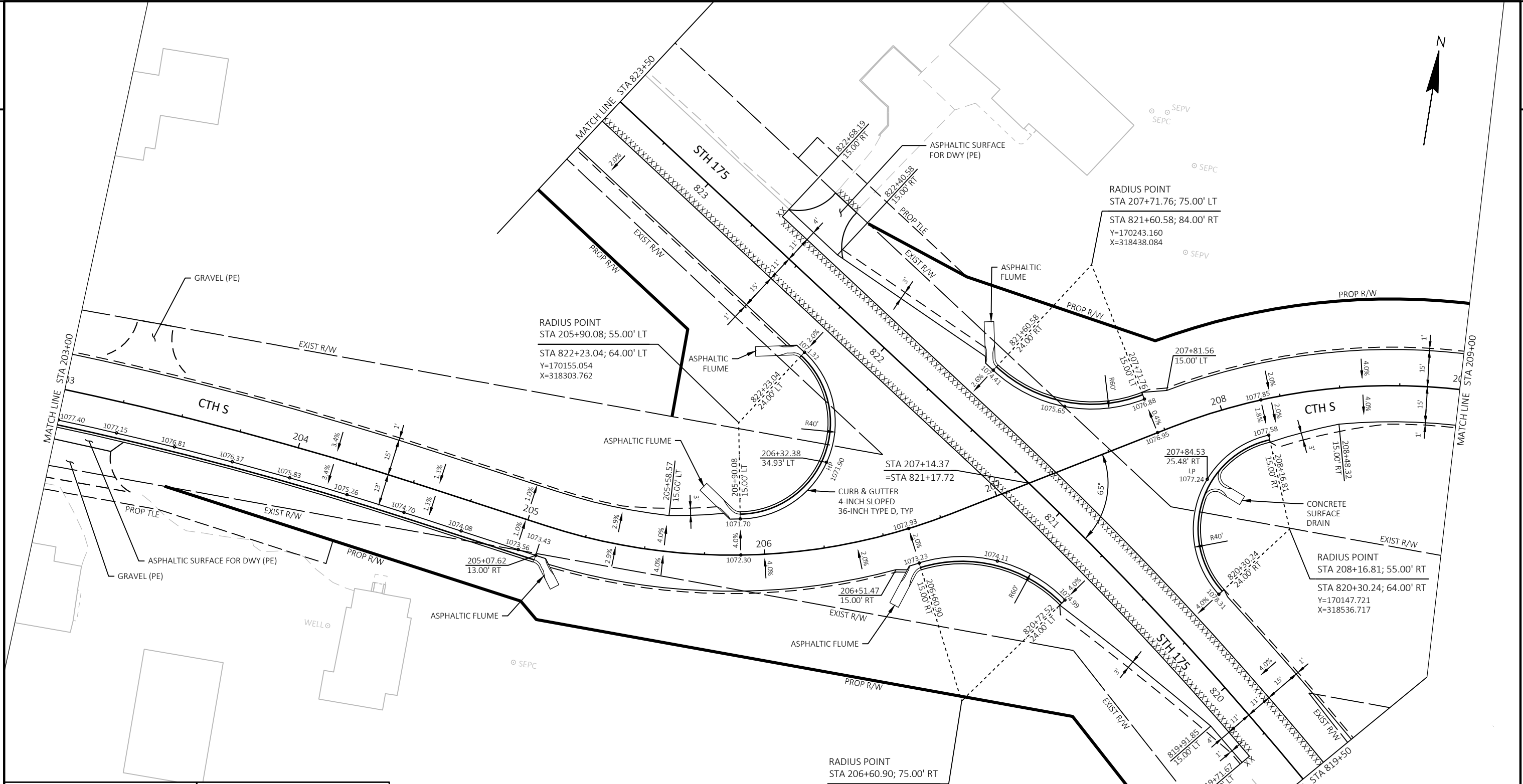
PIPE SIZE	ESTIMATED NUMBER OF BAGS
12"	1
15"	2
18"	2
21"	3
24"	3
30"	5
36"	7
42"	7
48"	10
54"	10
60"	13
66"	14
72"	16
14"X23"	3
19"X30"	5
24"X38"	8
29"X45"	10
34"X53"	10
38"X60"	13
48"X76"	18

\*\*\* OR AS DIRECTED BY THE ENGINEER



LEGEND	
XXX.XX	PROPOSED ELEVATIONS
(XXX.XX)	EXISTING ELEVATIONS

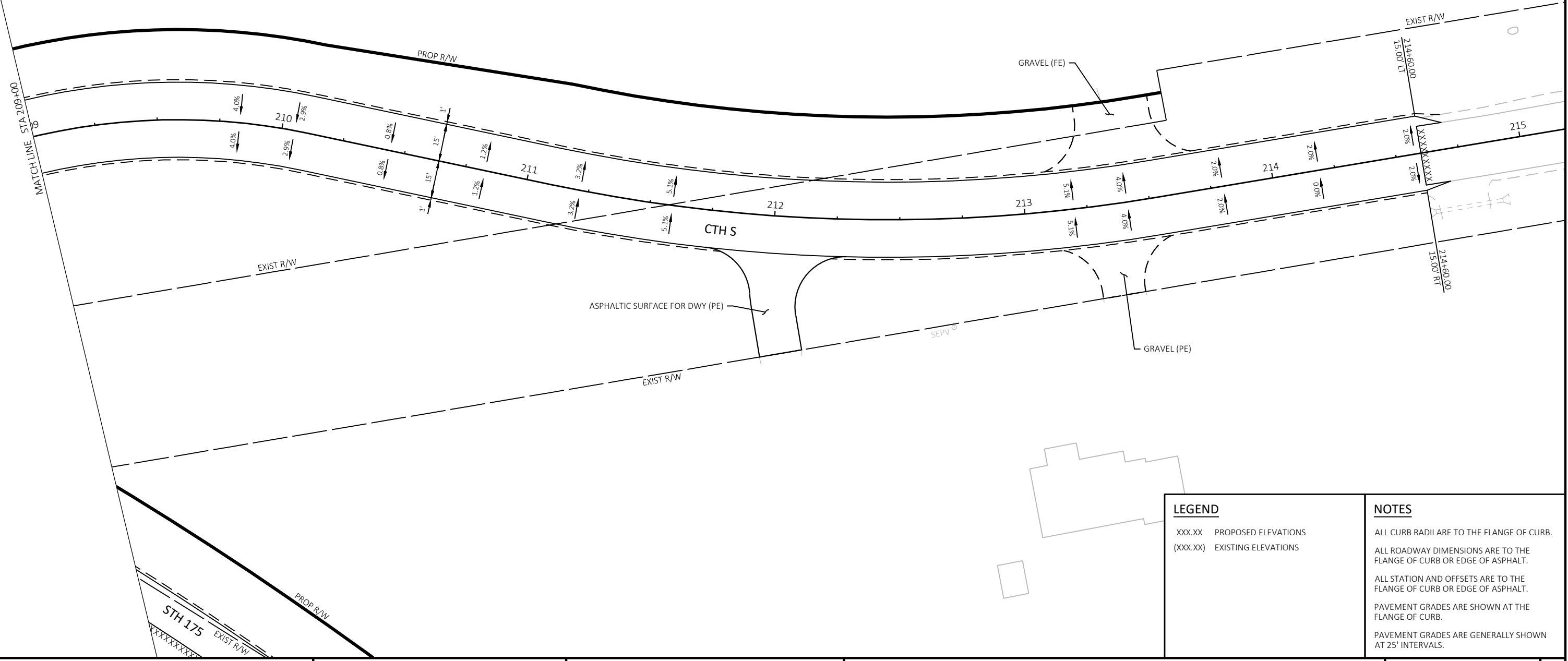
NOTES	
ALL CURB RADII ARE TO THE FLANGE OF CURB.	
ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.	
ALL STATION AND OFFSETS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.	
PAVEMENT GRADES ARE SHOWN AT THE FLANGE OF CURB.	
PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.	



LEGEND	NOTES
XXX.XX PROPOSED ELEVATIONS	ALL CURB RADII ARE TO THE FLANGE OF CURB.
(XXX.XX) EXISTING ELEVATIONS	ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.
	ALL STATION AND OFFSETS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.
	PAVEMENT GRADES ARE SHOWN AT THE FLANGE OF CURB.
	PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.



MATCH LINE STA 209+00



LEGEND	
XXX.XX	PROPOSED ELEVATIONS
(XXX.XX)	EXISTING ELEVATIONS

**NOTES**

ALL CURB RADII ARE TO THE FLANGE OF CURB.

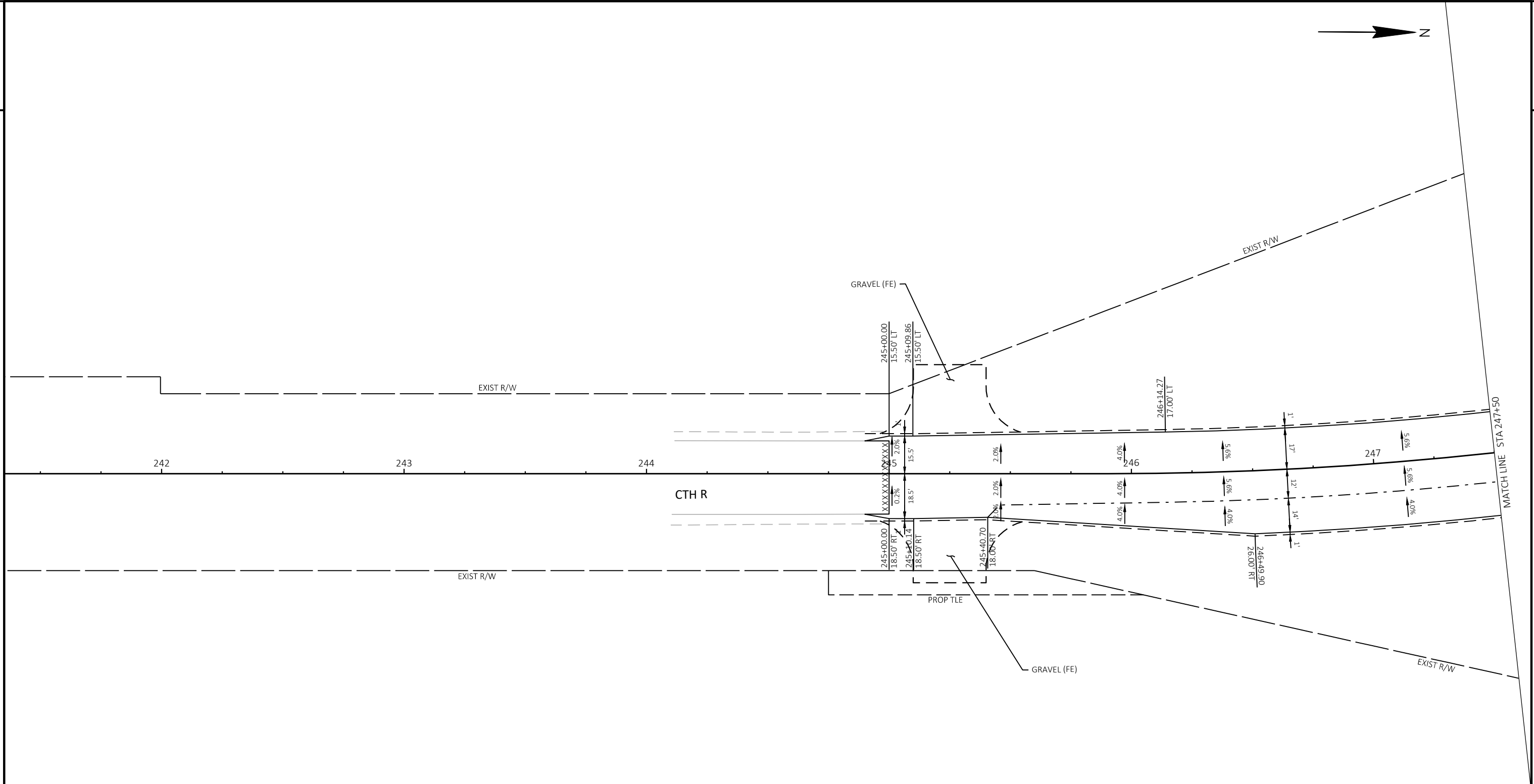
ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.

ALL STATION AND OFFSETS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.

PAVEMENT GRADES ARE SHOWN AT THE FLANGE OF CURB.

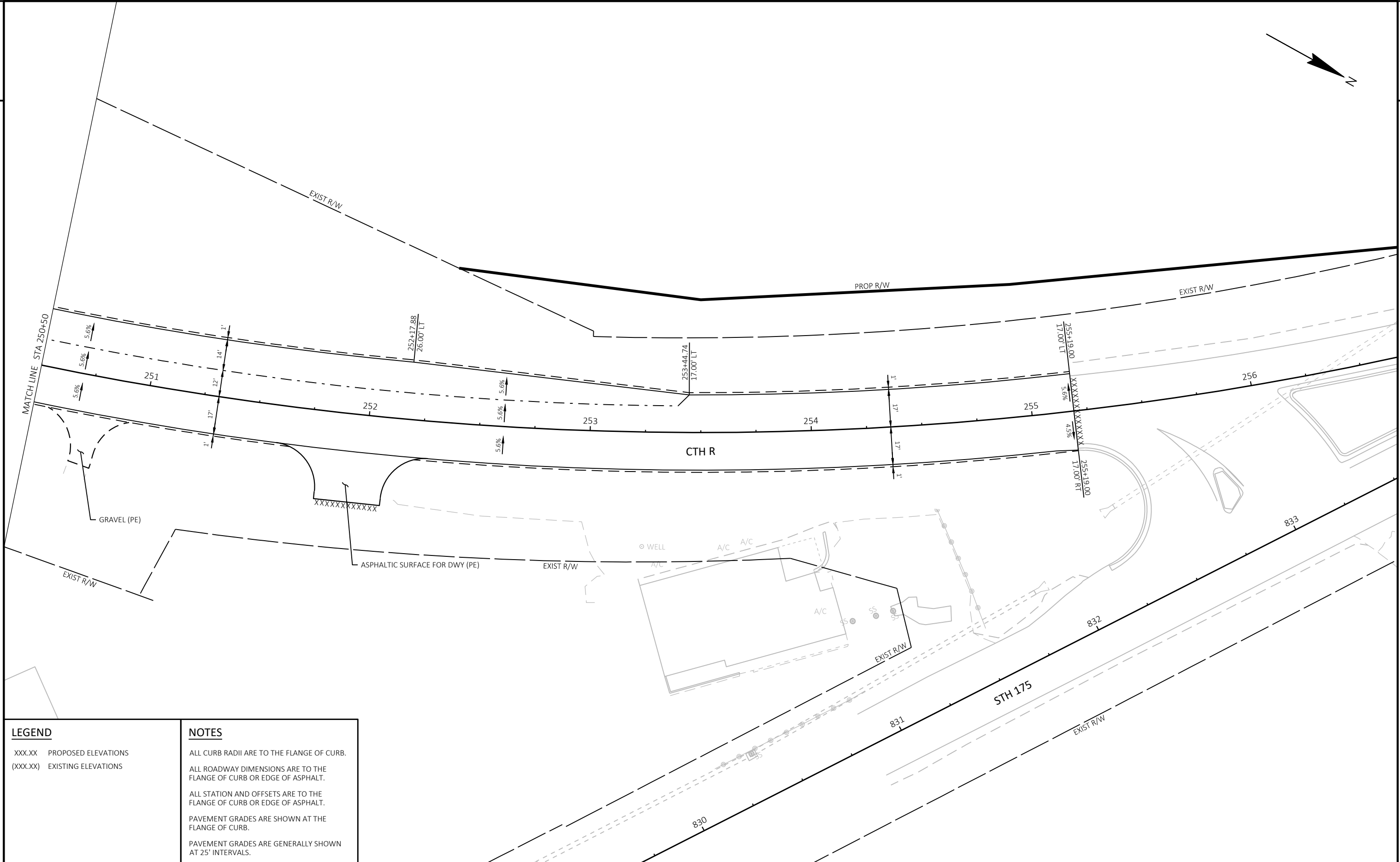
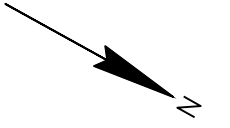
PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

PROJECT NO: HWY24-02	HWY: CTH S	COUNTY: WASHINGTON	PLAN DETAILS - CTH S	SHEET 15	<b>E</b>
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LEGEND	NOTES
XXX.XX PROPOSED ELEVATIONS	ALL CURB RADII ARE TO THE FLANGE OF CURB.
(XXX.XX) EXISTING ELEVATIONS	ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.
	ALL STATION AND OFFSETS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.
	PAVEMENT GRADES ARE SHOWN AT THE FLANGE OF CURB.
	PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.





LEGEND	NOTES
XXX.XX PROPOSED ELEVATIONS	ALL CURB RADII ARE TO THE FLANGE OF CURB.
(XXX.XX) EXISTING ELEVATIONS	ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.
	ALL STATION AND OFFSETS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.
	PAVEMENT GRADES ARE SHOWN AT THE FLANGE OF CURB.
	PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

2

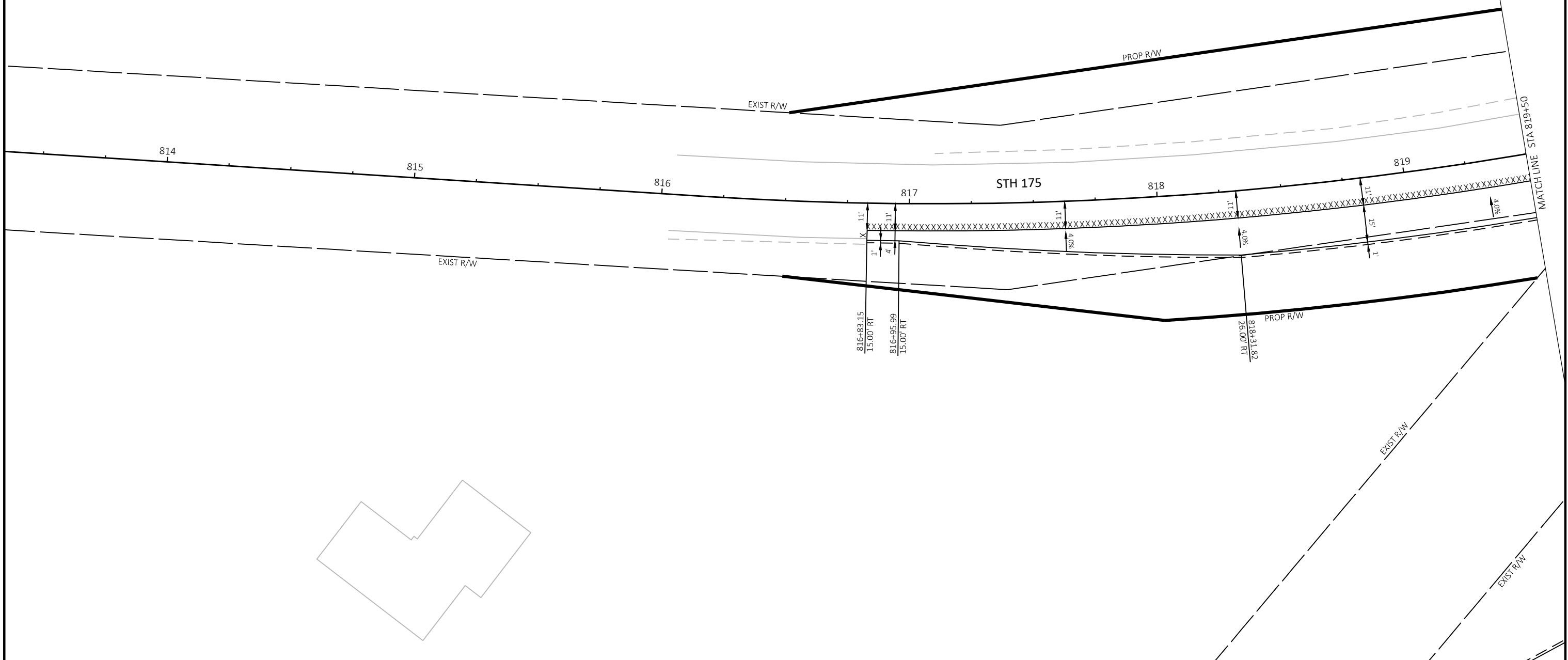
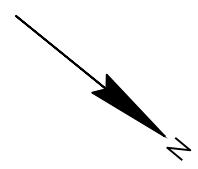
**LEGEND**

XXX.XX PROPOSED ELEVATIONS  
(XXX.XX) EXISTING ELEVATIONS

**NOTES**

ALL CURB RADII ARE TO THE FLANGE OF CURB.  
ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.  
ALL STATION AND OFFSETS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.  
PAVEMENT GRADES ARE SHOWN AT THE FLANGE OF CURB.  
PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

2



PROJECT NO: HWY24-02

HWY: CTH S

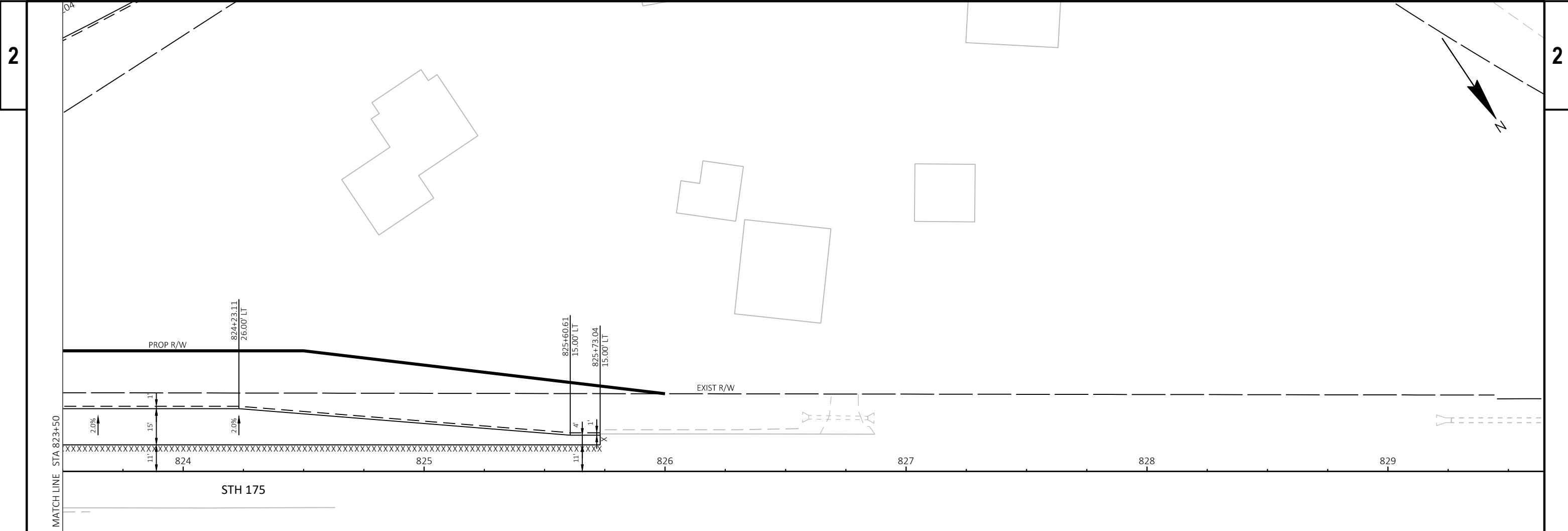
COUNTY: WASHINGTON

PLAN DETAILS - STH 175

SHEET

18

E

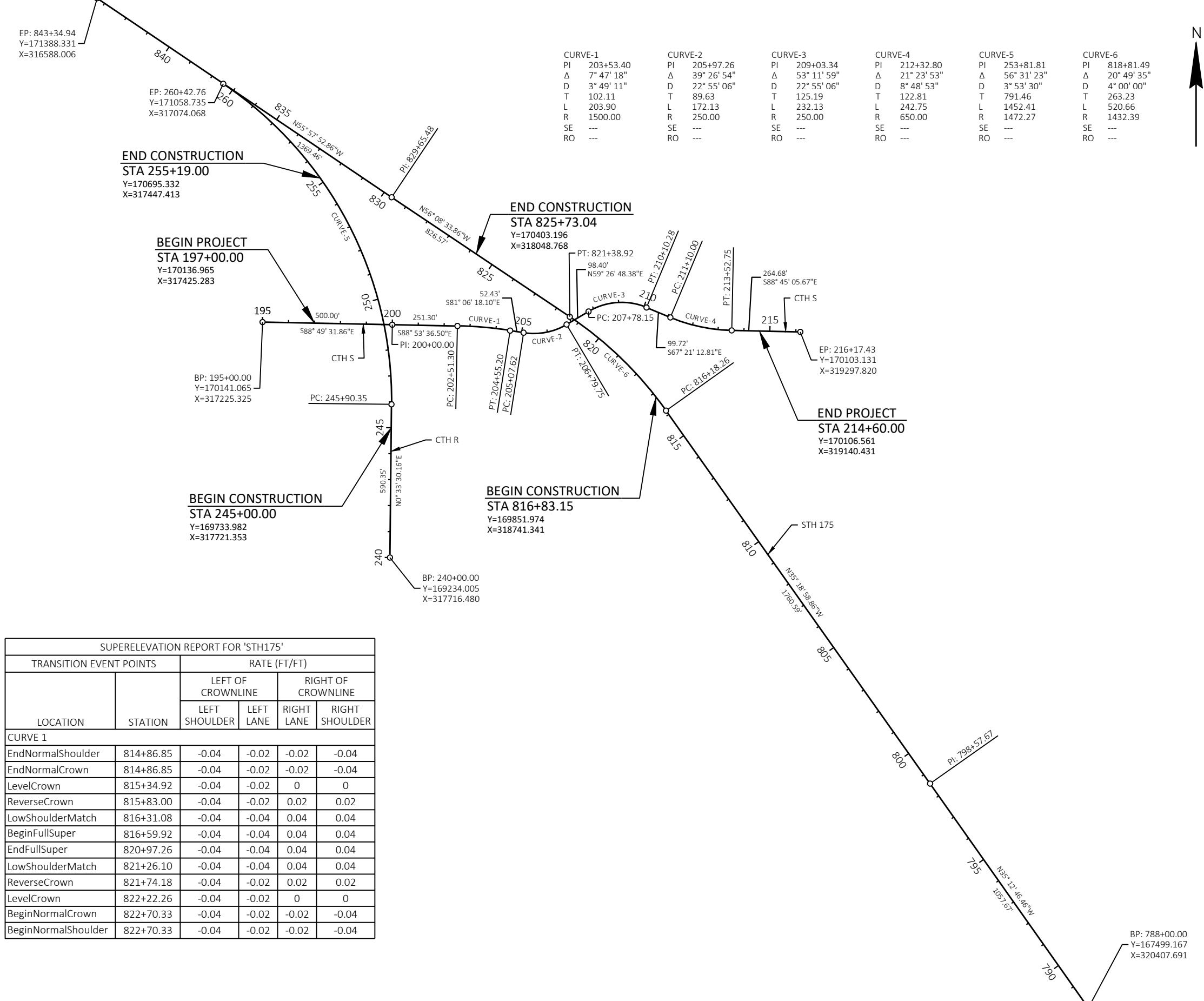


LEGEND	NOTES
xxx.xx PROPOSED ELEVATIONS	ALL CURB RADII ARE TO THE FLANGE OF CURB.
(xxx.xx) EXISTING ELEVATIONS	ALL ROADWAY DIMENSIONS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.
	ALL STATION AND OFFSETS ARE TO THE FLANGE OF CURB OR EDGE OF ASPHALT.
	PAVEMENT GRADES ARE SHOWN AT THE FLANGE OF CURB.
	PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

SUPERELEVATION REPORT FOR 'CTHS'					
TRANSITION EVENT POINTS		RATE (FT/FT)			
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
		LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
<b>CURVE 1</b>					
EndNormalShoulder	201+68.47	-0.04	-0.02	-0.02	-0.04
EndNormalCrown	201+68.47	-0.04	-0.02	-0.02	-0.04
LevelCrown	202+07.29	0	0	-0.02	-0.04
ReverseCrown	202+46.12	0.02	0.02	-0.02	-0.04
BeginFullSuper	202+73.29	0.034	0.034	-0.034	-0.04
EndFullSuper	204+16.00	0.034	0.034	-0.034	-0.04
ReverseCrown	204+60.38	0.011	0.011	-0.011	-0.015
LevelCrown	204+99.20	-0.009	-0.009	0.009	0.007
BeginNormalCrown	205+38.02	-0.03	-0.03	0.03	0.029
BeginNormalShoulder	205+38.02	-0.03	-0.03	0.03	0.029
<b>CURVE 2</b>					
BeginFullSuper	205+58.00	-0.04	-0.04	0.04	0.04
EndFullSuper	206+00.00	-0.04	-0.04	0.04	0.04
ReverseCrown	206+38.50	-0.02	-0.02	0.02	0.02
<b>CURVE 3</b>					
Manual	207+40.00	-0.02	-0.02	0.02	0.02
ReverseCrown	208+21.00	0.02	0.02	-0.02	-0.02
BeginFullSuper	208+59.50	0.04	0.04	-0.04	-0.04
EndFullSuper	209+83.00	0.04	0.04	-0.04	-0.04
<b>CURVE 4</b>					
EndNormalShoulder	210+05.17	0.029	0.029	-0.029	-0.029
EndNormalCrown	210+05.17	0.029	0.029	-0.029	-0.029
LevelCrown	210+43.99	0.008	0.008	-0.008	-0.008
ReverseCrown	210+82.82	-0.012	-0.012	0.012	0.012
LowShoulderMatch	211+21.64	-0.032	-0.032	0.032	0.032
BeginFullSuper	211+59.00	-0.051	-0.051	0.051	0.051
EndFullSuper	213+19.75	-0.051	-0.051	0.051	0.051
LowShoulderMatch	213+41.10	-0.04	-0.04	0.04	0.04
ReverseCrown	213+79.93	-0.04	-0.02	0.02	0.02
LevelCrown	214+18.75	-0.04	-0.02	0	0
BeginNormalCrown	214+57.58	-0.04	-0.02	-0.02	-0.04
BeginNormalShoulder	214+57.58	-0.04	-0.02	-0.02	-0.04

SUPERELEVATION REPORT FOR 'CTHR'					
TRANSITION EVENT POINTS		RATE (FT/FT)			
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
		LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
<b>CURVE 1</b>					
EndNormalShoulder	244+43.94	-0.04	-0.02	-0.02	-0.04
EndNormalCrown	244+43.94	-0.04	-0.02	-0.02	-0.04
LevelCrown	244+95.01	-0.04	-0.02	0	0
ReverseCrown	245+46.08	-0.04	-0.02	0.02	0.02
LowShoulderMatch	245+97.15	-0.04	-0.04	0.04	0.04
BeginFullSuper	246+38.01	-0.056	-0.056	0.056	0.04
Manual	250+00.00	-0.056	-0.056	0.056	0.04
Manual	250+39.07	-0.056	-0.056	0.056	0.056
Manual	252+61.00	-0.056	-0.056	0.056	0.056
Manual	255+19.00	-0.056	-0.056	-0.045	-0.045
EndFullSuper	259+95.10	-0.056	-0.056	-0.045	-0.045
LowShoulderMatch	260+35.96	-0.04	-0.04	-0.045	-0.045
ReverseCrown	260+87.03	-0.04	-0.02	-0.045	-0.045
LevelCrown	261+38.10	-0.04	-0.02	-0.045	-0.045
BeginNormalCrown	261+89.17	-0.04	-0.02	-0.045	-0.045
BeginNormalShoulder	261+89.17	-0.04	-0.02	-0.045	-0.045

SUPERELEVATION REPORT FOR 'STH175'					
TRANSITION EVENT POINTS		RATE (FT/FT)			
LOCATION	STATION	LEFT OF CROWNLINE		RIGHT OF CROWNLINE	
		LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
<b>CURVE 1</b>					
EndNormalShoulder	814+86.85	-0.04	-0.02	-0.02	-0.04
EndNormalCrown	814+86.85	-0.04	-0.02	-0.02	-0.04
LevelCrown	815+34.92	-0.04	-0.02	0	0
ReverseCrown	815+83.00	-0.04	-0.02	0.02	0.02
LowShoulderMatch	816+31.08	-0.04	-0.04	0.04	0.04
BeginFullSuper	816+59.92	-0.04	-0.04	0.04	0.04
EndFullSuper	820+97.26	-0.04	-0.04	0.04	0.04
LowShoulderMatch	821+26.10	-0.04	-0.04	0.04	0.04
ReverseCrown	821+74.18	-0.04	-0.02	0.02	0.02
LevelCrown	822+22.26	-0.04	-0.02	0	0
BeginNormalCrown	822+70.33	-0.04	-0.02	-0.02	-0.04
BeginNormalShoulder	822+70.33	-0.04	-0.02	-0.02	-0.04



CONVENTIONAL SYMBOLS AND ABBREVIATIONS

SECTION LINE	---
QUARTER LINE	----
SIXTEENTH LINE	-----
NEW REFERENCE LINE	-----
NEW R/W LINE	=====
EXISTING R/W LINE	=====
PROPERTY LINE	-----
CORPORATE LIMITS	//////
LOT AND TIE LINES	-----
SLOPE INTERCEPT	-----
UNDERGROUND FACILITY	-----
FENCE	-----
LIMITED EASEMENT	-----
BUILDING	□
IRON PIN FOUND	oIP
R/W MONUMENT	●
BUSHES	⊕
TREES (DECIDUOUS)	⊙
TREES (CONIFEROUS)	⊙
POWER POLE (COMPENSABLE)	⊙
SIGN	⊙
POWER POLE	⊙
UTILITY PEDESTAL	⊙
VALVE	⊙
POINT NUMBER	⊙
RECORDED AS	⊙
SAME OWNERSHIP	⊙
NO ACCESS (BY ACQUISITION)	=====
NO ACCESS (PREVIOUS)	=====
TEMPORARY LIMITED EASEMENT	-----
SECTION CORNER	⊙

AC.	ACRES
A.P.	ACCESS POINT
BLDG.	BUILDING
C/L	CENTERLINE
CONC.	CONCRETE
CSM	CERTIFIED SURVEY MAP
D	DEGREE OF CURVE
DOC.	DOCUMENT NUMBER
E	EAST
E	ELECTRIC CABLE
ETAL.	AND OTHERS
FM	FORCE MAIN
FO	FIBER OPTIC CABLE
FT.	FEET
GRGE	GARAGE
G	GAS MAIN
HSE	HOUSE
H.E.	HIGHWAY EASEMENT
IP	IRON PIPE
L	LENGTH OF CURVE
LC	LAND CONTRACT
LC	LONG CHORD
LCB	LONG CHORD BEARING
LT.	LEFT
MI.	MILE
MON.	MONUMENT
N	NORTH
OL	OUTLOT
P.C.	POINT OF CURVE
PERM.	PERMANENT
P.I.	POINT OF INTERSECTION
P.L.	PROPERTY LINE
P.L.E.	PERMANENT LIMITED EASEMENT
P.T.	POINT OF TANGENT
R	RADIUS
R	RANGE
R/L	REFERENCE LINE
REM.	REMAINING
RT.	RIGHT
R/W	RIGHT OF WAY
RWGP	RIGHT OF WAY GUARD POST
S	SOUTH
SAN	SANITARY SEWER
SO.FT.	SQUARE FEET
SS	STORM SEWER
STA.	STATION
T	TELEPHONE
T	TANGENT
T	TOWNSHIP
TEMP.	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
V/P	VOLUME/PAGE OF RECORDS
VAR.	VARIES
W	WATER MAIN
W	WEST
X	EAST COORDINATE
Y	NORTH COORDINATE

**NOTES**

COORDINATES AND BEARINGS ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WASHINGTON COUNTY ZONE, NAD83 (2011) ADJUSTMENT. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT OF WAY MONUMENTS ARE TYPE 2 AND ARE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER. TYPE 2 MONUMENTS PLACED ARE 1.32" O.D. x 24" IRON PIPES WEIGHING 1.68 LBS/FT., UNLESS OTHERWISE NOTED.

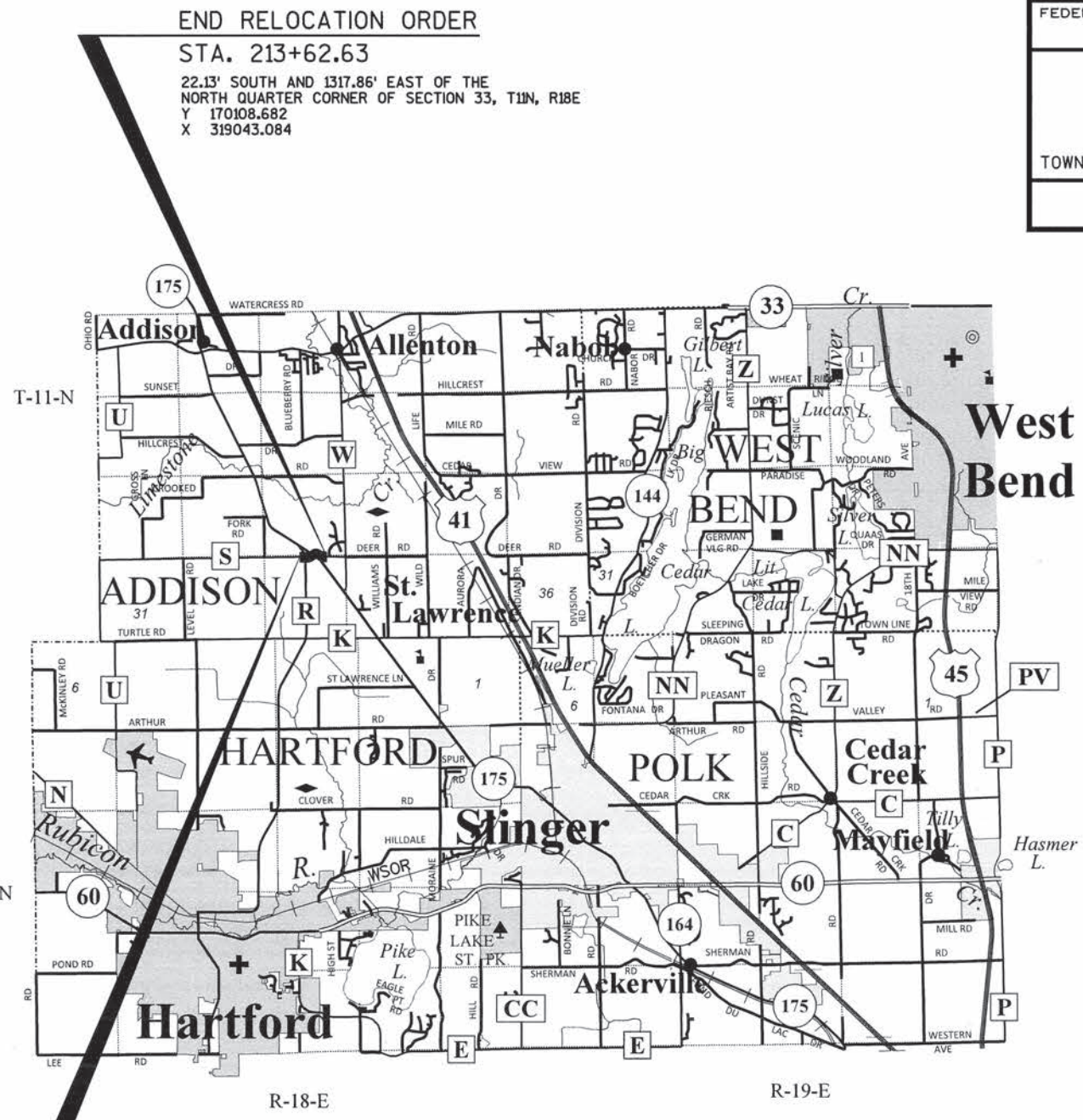
RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES.

THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

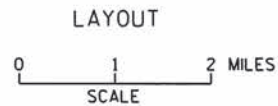


**END RELOCATION ORDER**

STA. 213+62.63  
 22.13' SOUTH AND 1317.86' EAST OF THE  
 NORTH QUARTER CORNER OF SECTION 33, T11N, R18E  
 Y 170108.682  
 X 319043.084

**BEGIN RELOCATION ORDER**

STA. 198+17.62  
 BEING 3.74' NORTH AND 182.34' WEST OF THE  
 SOUTH QUARTER CORNER OF SECTION 28, T11N, R18E  
 Y 170134.554  
 X 317542.879



TOTAL NET LENGTH OF CENTERLINE = 0.293 MILES

R/W PROJECT NUMBER	HWY 24-02	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT NUMBER		4.01	6
PLAT OF RIGHT OF WAY REQUIRED FOR			
STH 175, CTH S, CTH R			
INTERSECTION IMPROVEMENTS			
TOWN OF ADDISON		WASHINGTON COUNTY	
CONSTRUCTION PROJECT NUMBER			
HWY 24-02			

ACCEPTED FOR  
WASHINGTON COUNTY

DATE \_\_\_\_\_ SCOTT SCHMIDT  
CHIEF PUBLIC WORKS OFFICER

ORIGINAL PLANS PREPARED BY

**G GREMMER & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
85 South Pioneer Road, Suite 300 • Fond du Lac, WI 54605  
(920) 924-5720 • fax (920) 924-5725



REVISION DATE	

5/11/23  
DATE \_\_\_\_\_ JAY W. PANETTI, PLS  
21

REVISED: 5/11/2023

# SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN ON THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES (EXISTING)	R/W ACRES REQUIRED			TOTAL ACRES REMAINING	P.L.E. ACRES PERM.	T.L.E. ACRES TEMP.	TAX KEY NUMBER
					NEW	EXISTING	TOTAL				
1	4.04	GEGHF, LLC	FEE	55.50	0.10	0.36	0.46	55.04	0	0	T1_0674
			FEE	24.11	0.04	0.05	0.09	24.02	0	0	T1_0675
			TOTALS:	79.61	0.14	0.41	0.55	79.06	0	0	
2	4.05	MARY L. SCHLEGEL	FEE	1.08	0.03	0	0.03	1.05	0	0	T1_067800K
3	4.05	SHELLY A. CHRISTMAN	PLE, TLE	0.97	0	0	0	0.97	0.03	0.02	T1_067800H
4	4.05	CHRISTOPHER W. GERHARDT	FEE, TLE	1.98	0.18	0	0.18	1.80	0	0.07	T1_076200A
6	4.05	DONNA L. SCOTT	FEE	0.95	0.13	0	0.13	0.82	0	0	T1_067800J
7	4.05	GEGF, PROPERTIES, LLC	FEE, TLE	33.81	0.15	0.31	0.46	33.35	0	0.02	T1_076200Z
8	4.05	DALE A. FIES AND KATHLEEN S. FIES	FEE, TLE	0.99	0.15	0	0.15	0.84	0	0.02	T1_067800E
9	4.05	ROMAN H. BECKER AND CHRISTINE M. BECKER	FEE	28.81	0.75	0.40	1.15	27.66	0	0	T1_067800W
11	4.05	STANLEY G. OJSTRSEK	FEE	2.68	0.12	0	0.12	2.56	0	0	T1_0761
201	4.05	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS								
202	4.05	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS								

4

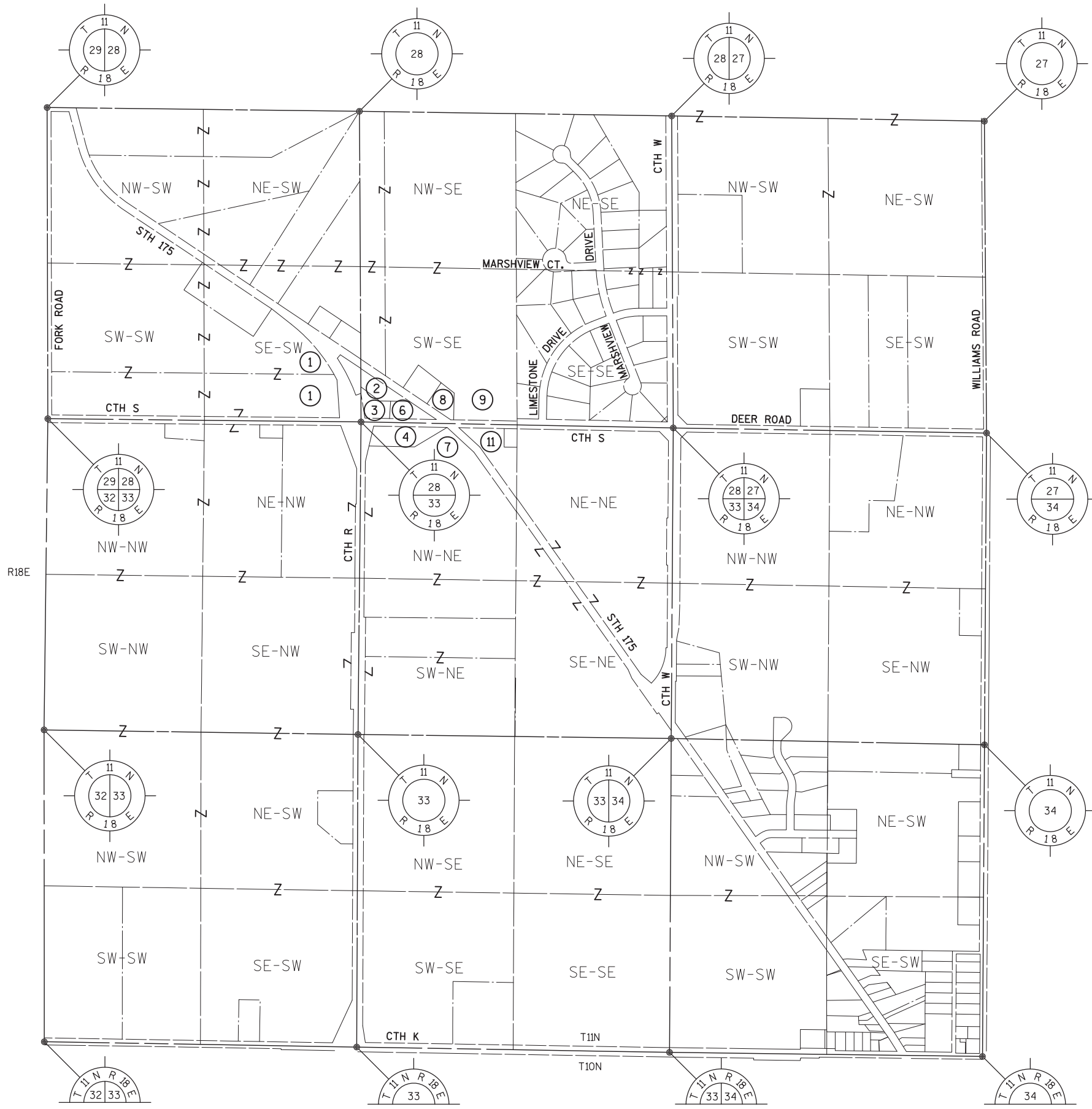
4

REVISED: 6/2/2023

REVISION DATE ..... .....	DATE: 6/15/2023	HWY: STH 175, CTH S, CTH R	R/W PROJECT NUMBER: HWY 24-02	PLAT SHEET: 4.02
		COUNTY: WASHINGTON	CONSTRUCTION PROJECT NUMBER: HWY 24-02	PS&E SHEET: 22 E

4

4



TOWN OF ADDISON  
WASHINGTON COUNTY, WISCONSIN

SHEET 3 OF 6 SHEETS

REVISED: 5/16/2023

REVISION DATE	DATE: 6/15/2023	SCALE, FEET 0 250 500 1000	HWY: STH 175, CTH S, CTH R	R/W PROJECT NUMBER: HWY 24-02	PLAT SHEET: 4.03
-----			COUNTY: WASHINGTON	CONSTRUCTION PROJECT NUMBER: HWY 24-02	PS&E SHEET: 23
-----					E

COORDINATE TABLE

POINT	NORTH	EAST
400	170132.6779	317542.8595
401	170165.6761	317543.1964
402	170421.0461	317525.6525
403	170523.4572	317485.1767
404	170642.1854	317411.4450
405	170804.8252	317299.7767
406	170835.3013	317332.8897
408	170509.5200	317563.3102
409	170487.9765	317521.0544

PARCEL 1 - FEE

FROM POINT	TO POINT	BEARING	DISTANCE
32	400	N89°24'54"W	182.37'
400	401	N00°35'06"E	33.00'
401	402	N03°55'48"W	255.97'
402	403	N21°33'55"W	110.12'
403	404	N31°50'27"W	139.76'
404	405	N34°28'24"W	197.29'
405	406	N47°22'28"E	45.00'
*406	*408	S35°16'16"E	399.03'
408	409	S62°59'09"W	47.43'
409	402	S03°55'48"E	67.09'

\*SEE CURVE TABLE

CURVE TABLE

FROM POINT	TO POINT	ARC RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
406	408	1432.39'	400.33'	S35°16'16"E	399.03'

R/L CURVE DATA

PI	253+81.81
Y	170615.751
X	317729.946
Δ	056°31'23"
D	3°53'30"
T	791.46'
L	1452.41'
R	1472.27'
PC	245+90.35
Y	169824.327
X	317722.233
PT	260+42.76
Y	171058.735
X	317074.068
LC	1394.23'
LCB	N27°42'11"W

BASIS FOR EXISTING R/W

ROUTE	BASIS
STH 175	STATE AID PROJ. NO. 511-A, CSM #2134, CSM #2804
CTH S	R/W PROJECT NUMBER 1330-00-20, CSM #1168, CSM #4105, CSM #7234
CTH R	STATE AID PROJ. NO. 511-A, R/W PROJECT NUMBER 1330-00-20, CSM #4751

NOTE - PROPERTY LINE STATIONS ARE COMPUTED FROM INFORMATION OF RECORD AND ARE APPROXIMATE ONLY.

SE-SW

SECTION 28, T11N, R18E

GN

TOWN OF ADDISON  
WASHINGTON COUNTY, WISCONSIN

T1.0674  
GEGHF, LLC  
DOC. #1056241

T1.0675  
GEGHF, LLC  
DOC. #1056241

BEGIN RELOCATION ORDER

198+17.62  
Y 170134.554  
X 317542.879  
3.74' NORTH AND 182.34' WEST  
OF THE SOUTH QUARTER CORNER  
OF SECTION 28, T11N, R18E

BRASS CAP  
Y 172766.876  
X 317711.805

BRASS CAP  
Y 170130.816  
X 317725.220

SEE SHEET 4.05

SEE SHEET 4.05

SHEET 4 OF 6 SHEETS

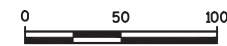
REVISED: 5/16/2023

REVISION DATE	DESCRIPTION

DATE: 6/15/2023

GRID FACTOR N/A

SCALE, FEET



HWY: STH 175, CTH S, CTH R

COUNTY: WASHINGTON

R/W PROJECT NUMBER: HWY 24-02

CONSTRUCTION PROJECT NUMBER: HWY 24-02

PLAT SHEET: 4.04

PS&E SHEET: 24 E



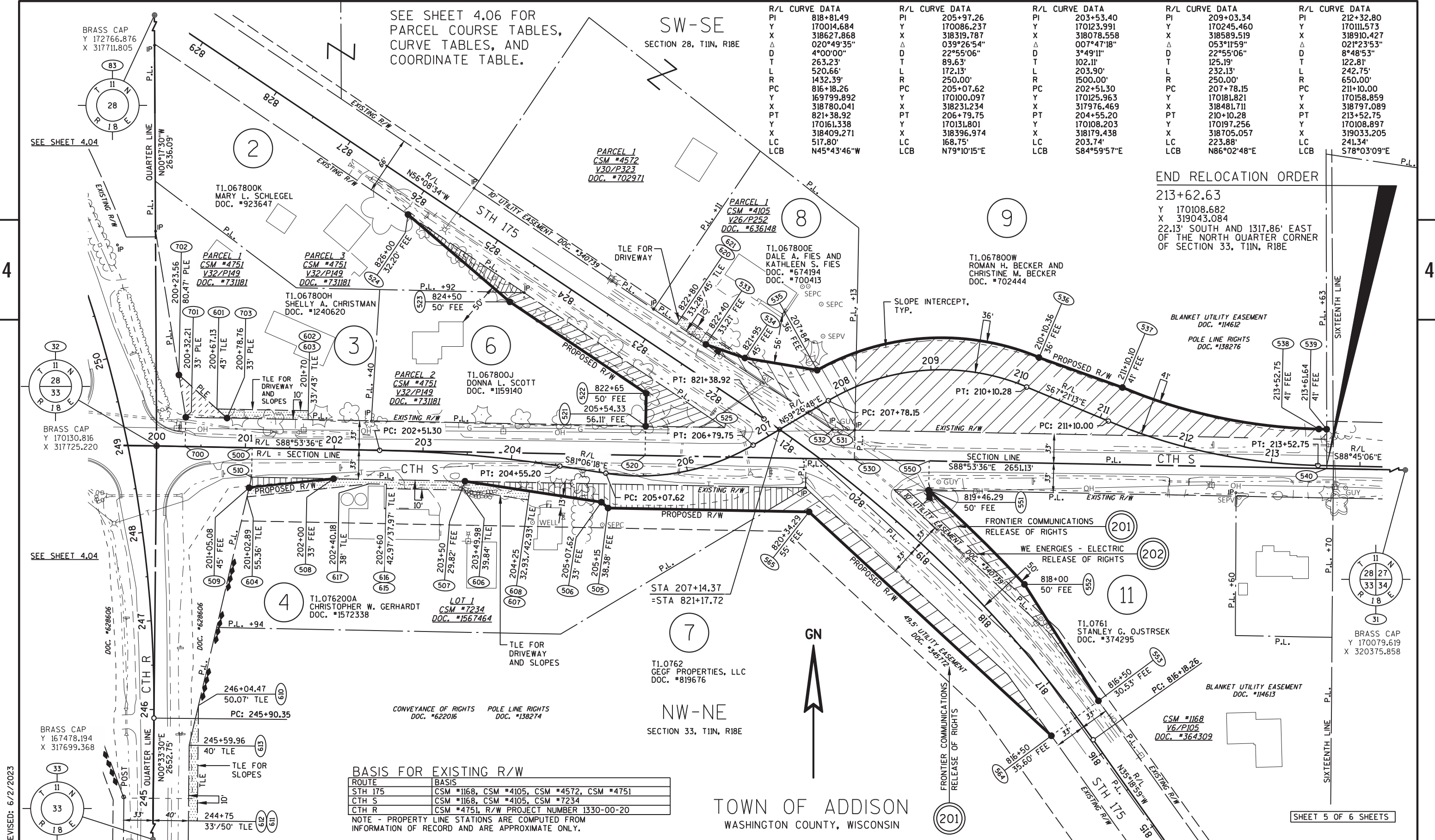
SEE SHEET 4.06 FOR  
PARCEL COURSE TABLES,  
CURVE TABLES, AND  
COORDINATE TABLE.

SW-SE  
SECTION 28, T11N, R18E

R/L CURVE DATA	R/L CURVE DATA	R/L CURVE DATA	R/L CURVE DATA	R/L CURVE DATA
PI 818+81.49	PI 205+97.26	PI 203+53.40	PI 209+03.34	PI 212+32.80
Y 170014.684	Y 170086.237	Y 170123.991	Y 170245.460	Y 170111.573
X 318627.868	X 318319.787	X 318078.558	X 318589.519	X 318910.427
Δ 020°49'35"	Δ 039°26'54"	Δ 007°47'18"	Δ 053°11'59"	Δ 021°23'53"
D 4°00'00"	D 22°55'06"	D 3°49'11"	D 22°55'06"	D 8°48'53"
T 263.23'	T 89.63'	T 102.11'	T 125.19'	T 122.81'
L 520.66'	L 172.13'	L 203.90'	L 232.13'	L 242.75'
R 1432.39'	R 250.00'	R 1500.00'	R 250.00'	R 650.00'
PC 816+18.26	PC 205+07.62	PC 202+51.30	PC 207+78.15	PC 211+10.00
Y 169799.892	Y 170100.097	Y 170125.963	Y 170181.821	Y 170158.859
X 318780.041	X 318231.234	X 317976.469	X 318481.711	X 318797.089
PT 821+38.92	PT 206+79.75	PT 204+55.20	PT 210+10.28	PT 213+52.75
Y 170161.338	Y 170131.801	Y 170108.203	Y 170197.256	Y 170108.897
X 318409.271	X 318396.974	X 318179.438	X 318705.057	X 319033.205
LC 517.80'	LC 168.75'	LC 203.74'	LC 223.88'	LC 241.34'
LCB N45°43'46"W	LCB N79°10'15"E	LCB S84°59'57"E	LCB N86°02'48"E	LCB S78°03'09"E

END RELOCATION ORDER

213+62.63  
Y 170108.682  
X 319043.084  
22.13' SOUTH AND 1317.86' EAST  
OF THE NORTH QUARTER CORNER  
OF SECTION 33, T11N, R18E



BASIS FOR EXISTING R/W

ROUTE	BASIS
STH 175	CSM #1168, CSM #4105, CSM #4572, CSM #4751
CTH S	CSM #1168, CSM #4105, CSM #7234
CTH R	CSM #4751, R/W PROJECT NUMBER 1330-00-20

NOTE - PROPERTY LINE STATIONS ARE COMPUTED FROM INFORMATION OF RECORD AND ARE APPROXIMATE ONLY.

TOWN OF ADDISON  
WASHINGTON COUNTY, WISCONSIN

REVISION DATE	DATE: 6/15/2023	SCALE, FEET	HWY: STH 175, CTH S, CTH R	R/W PROJECT NUMBER: HWY 24-02	PLAT SHEET: 4.05
	GRID FACTOR N/A	0 50 100	COUNTY: WASHINGTON	CONSTRUCTION PROJECT NUMBER: HWY 24-02	PS&E SHEET: 25

PARCEL COURSE TABLES,  
CURVE TABLES, AND  
COORDINATE TABLE SHOWN  
ARE FOR SHEET 4.05

PARCELS 2 & 6 - FEE

FROM POINT	TO POINT	BEARING	DISTANCE
32	520	S88°53'36"E	550.25'
520	521	N01°06'24"E	33.00'
521	522	N01°06'24"E	36.88'
522	523	N56°08'34"W	185.00'
523	524	N49°22'29"W	151.05'
524	525	S56°02'57"E	429.76'
525	521	N88°53'36"W	88.95'

PARCEL 4 - TLE

FROM POINT	TO POINT	BEARING	DISTANCE
32	500	S88°53'36"E	107.63'
500	510	S01°06'24"W	33.00'
510	509	S13°05'18"W	12.27'
509	508	N83°54'04"E	95.67'
508	507	S88°53'36"E	147.97'
507	608	S81°15'52"E	73.49'
608	607	S07°44'30"W	10.00'
607	606	N81°15'52"W	73.01'
606	615	N88°53'36"W	87.54'
615	616	N01°26'20"E	5.00'
616	617	N88°53'36"W	19.60'
617	604	S83°54'04"W	138.39'
604	509	N13°05'18"E	10.59'

PARCELS 4, 7 & 11 - FEE

FROM POINT	TO POINT	BEARING	DISTANCE
32	500	S88°53'36"E	107.63'
500	550	S88°53'36"E	762.67'
550	551	S01°06'24"W	33.00'
*551	*552	S45°30'42"E	151.33'
552	553	S32°23'47"E	155.37'
553	564	S53°24'51"W	66.01'
564	565	N47°15'22"W	371.54'
565	505	N88°53'36"W	226.38'
505	506	N49°23'16"W	10.00'
506	507	N81°15'52"W	155.45'
507	508	N88°53'36"W	147.97'
508	509	S83°54'04"W	95.67'
509	510	N13°05'18"E	12.27'
510	500	N01°06'24"E	33.00'

\*SEE CURVE TABLE

CURVE TABLE - PARCEL 11

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
551	552	1482.39'	151.40'	S45°30'42"E	151.33'

COORDINATE TABLE

POINT	NORTH	EAST
500	170128.7375	317832.8299
505	170060.9831	318233.7235
506	170067.4935	318226.1310
507	170091.1024	318072.4859
508	170093.9599	317924.5454
509	170083.7951	317829.4147
510	170095.7437	317832.1927
520	170120.1900	318275.3632
521	170153.1838	318276.0005
522	170190.0601	318276.7127
523	170293.1284	318123.0835
524	170391.4800	318008.4369
525	170151.4661	318364.9334
530	170115.6396	318510.9534
531	170148.6334	318511.5907
532	170149.1161	318486.6020
533	170245.2355	318343.8343
534	170229.9520	318387.7697
535	170216.1579	318469.2158
536	170230.4419	318719.0105
537	170196.6594	318812.9683
538	170149.8877	319034.0986
539	170149.6940	319042.9900
540	170105.3614	319043.0913
550	170114.0093	318595.3564
551	170081.0155	318594.7191
552	169974.9682	318702.6781
553	169843.7817	318785.9200
564	169804.4376	318732.9160
565	170056.6114	318460.0585
601	170172.5116	317793.1676
602	170170.5250	317896.0187
603	170160.5269	317895.8256
604	170073.4820	317827.0170
606	170081.1189	318071.6151
607	170070.0308	318143.7757
608	170079.9411	318145.1229
610	169838.4437	317772.3730
611	169708.4956	317771.1065
612	169708.5931	317761.1070
613	169793.5471	317761.9349
615	170082.8085	317984.0918
616	170087.8070	317984.2173
617	170088.1853	317964.6228
620	170267.5747	318310.6535
621	170277.3077	318317.1833
700	170130.1940	317757.4238
701	170163.1878	317758.0611
702	170210.8149	317750.3255
703	170162.2889	317804.6016

PARCEL 3 - PLE

FROM POINT	TO POINT	BEARING	DISTANCE
32	700	S88°53'36"E	32.21'
700	701	N01°06'24"E	33.00'
701	702	N09°13'32"W	48.25'
702	703	S48°12'05"E	72.81'
703	701	N88°53'36"W	46.55'

PARCEL 7 - TLE

FROM POINT	TO POINT	BEARING	DISTANCE
32	500	S88°53'36"E	107.63'
500	510	S01°06'24"W	33.00'
510	610	S13°05'18"W	264.16'
610	611	S00°33'30"W	129.95'
611	612	N89°26'30"W	10.00'
612	613	N00°33'30"E	84.96'
613	610	N13°05'18"E	46.09'

PARCELS 8 & 9 - FEE

FROM POINT	TO POINT	BEARING	DISTANCE
32	530	S88°53'36"E	785.88'
530	531	N01°06'24"E	33.00'
531	532	N88°53'36"W	24.99'
532	533	N56°02'57"W	172.11'
533	534	S70°49'09"E	46.52'
534	535	S80°23'14"E	82.61'
*535	*536	N86°43'38"E	250.20'
536	537	S70°13'26"E	99.85'
*537	*538	S78°03'26"E	226.02'
538	539	S88°45'06"E	8.89'
539	540	S00°07'52"E	44.33'
540	530	N88°53'36"W	532.24'

\*SEE CURVE TABLE

CURVE TABLE - PARCELS 8 & 9

FROM POINT	TO POINT	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
535	536	286.00'	258.96'	N86°43'38"E	250.20'
537	538	609.00'	227.34'	S78°03'26"E	226.02'

PARCEL 3 - TLE

FROM POINT	TO POINT	BEARING	DISTANCE
32	700	S88°53'36"E	32.21'
700	701	N01°06'24"E	33.00'
701	703	S88°53'36"E	46.55'
703	601	N48°12'05"W	15.34'
601	602	S88°53'36"E	102.87'
602	603	S01°06'24"W	10.00'
603	703	N88°53'36"W	91.24'

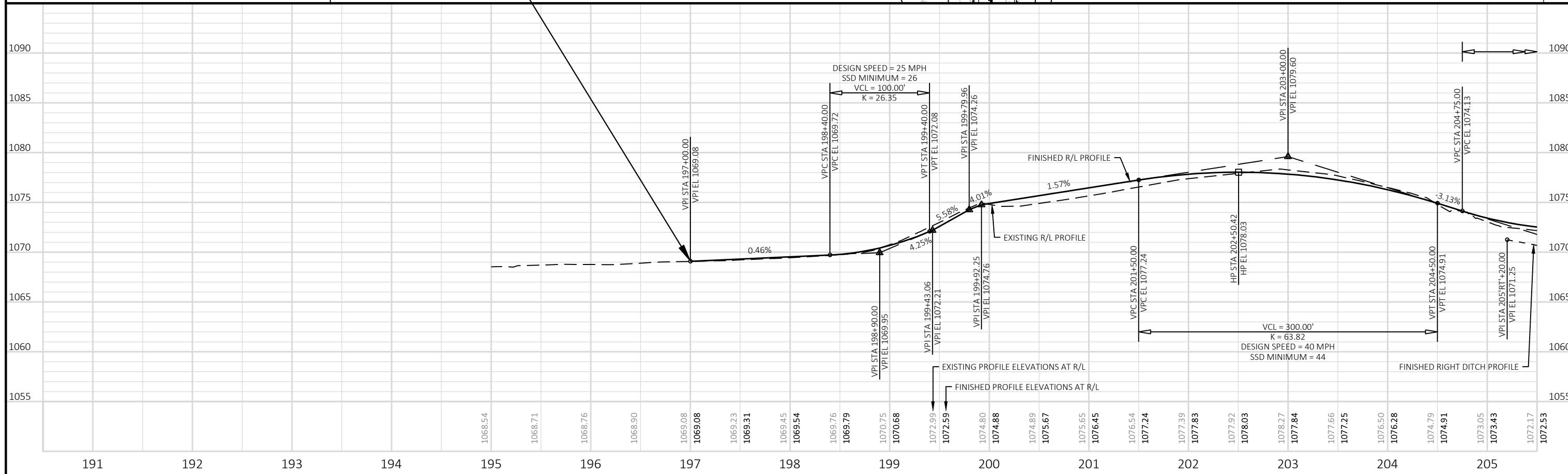
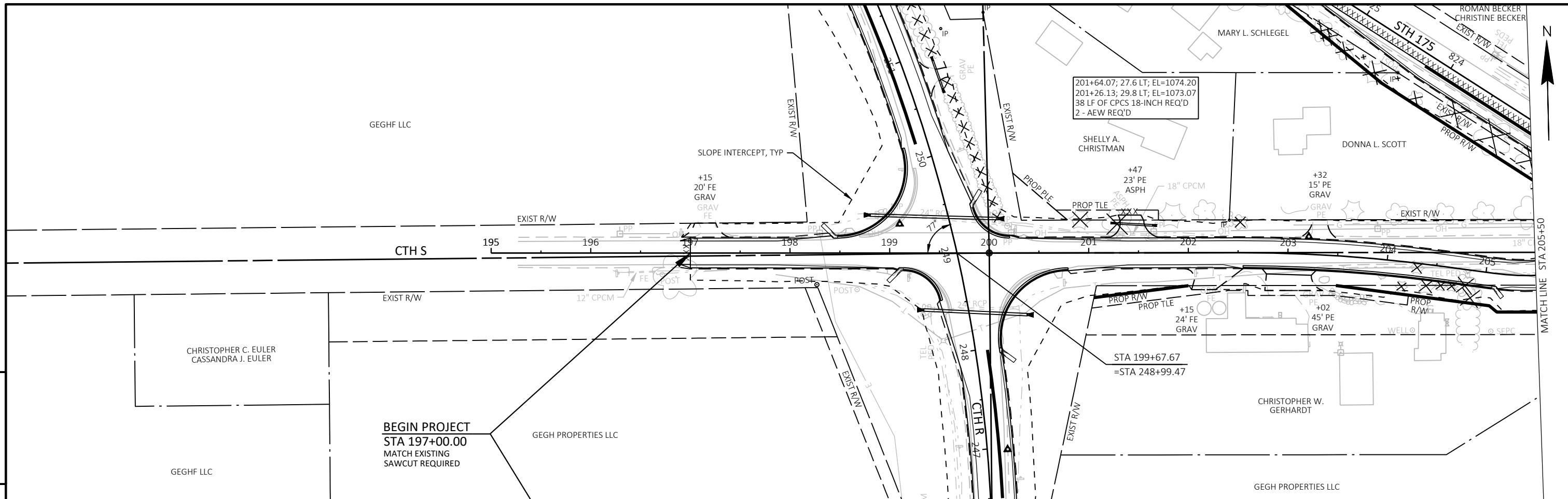
PARCEL 8 - TLE

FROM POINT	TO POINT	BEARING	DISTANCE
32	530	S88°53'36"E	785.88'
530	531	N01°06'24"E	33.00'
531	532	N88°53'36"W	24.99'
532	533	N56°02'57"W	172.11'
533	620	N56°02'57"W	40.00'
620	621	N33°51'26"E	11.72'
621	534	S56°08'34"E	85.00'
534	533	N70°49'09"W	46.52'

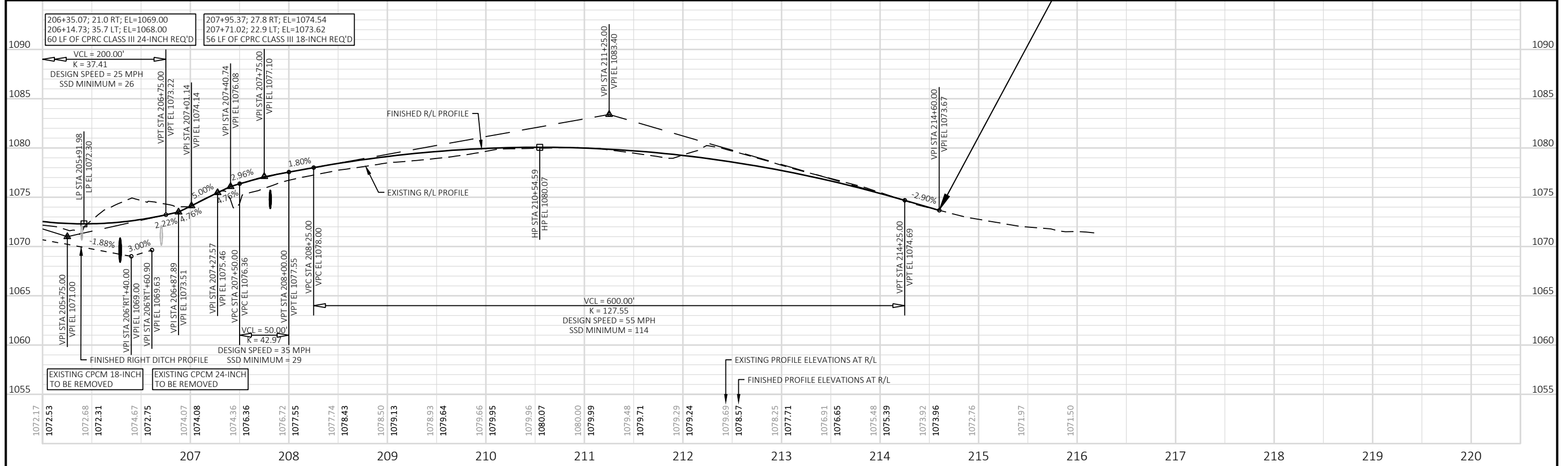
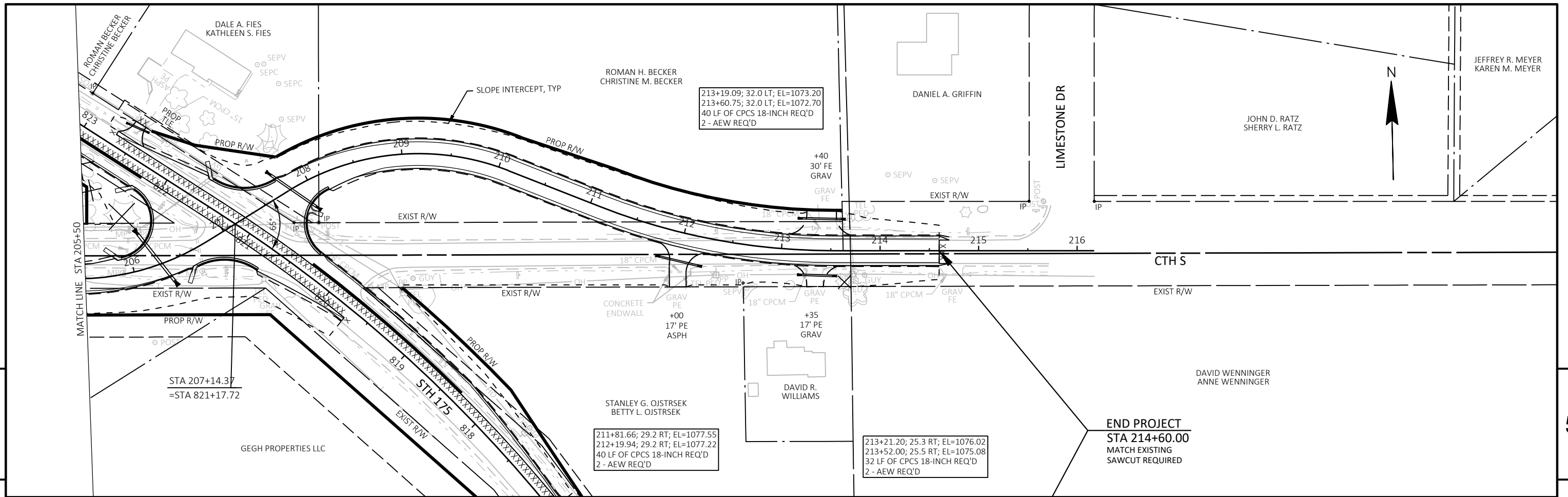
REVISED: 6/2/2023

SHEET 6 OF 6 SHEETS

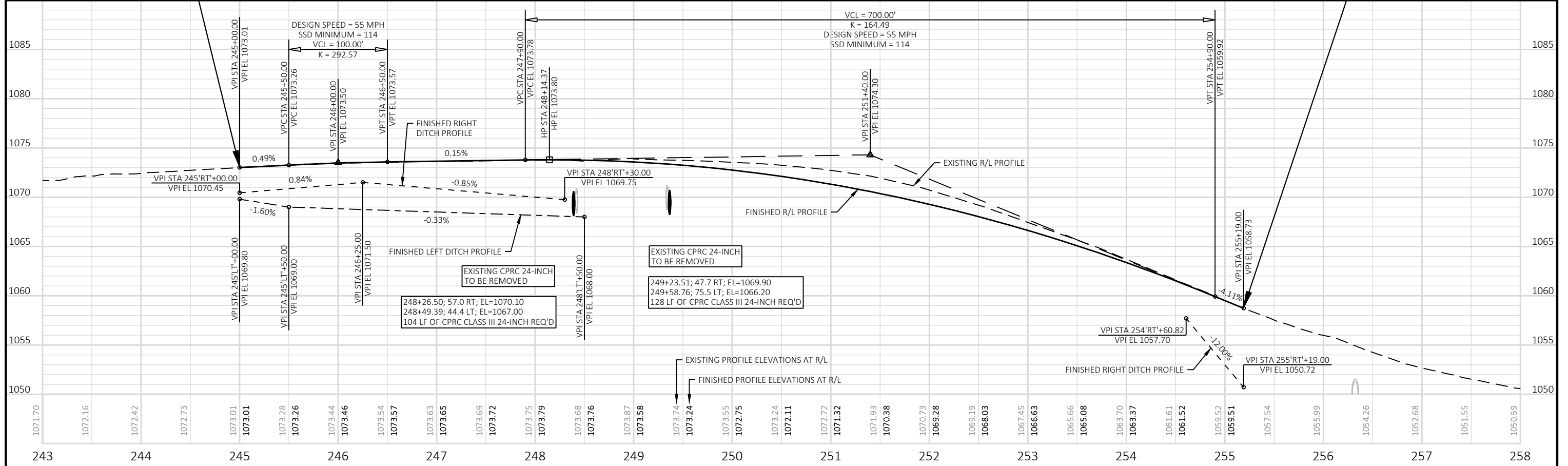
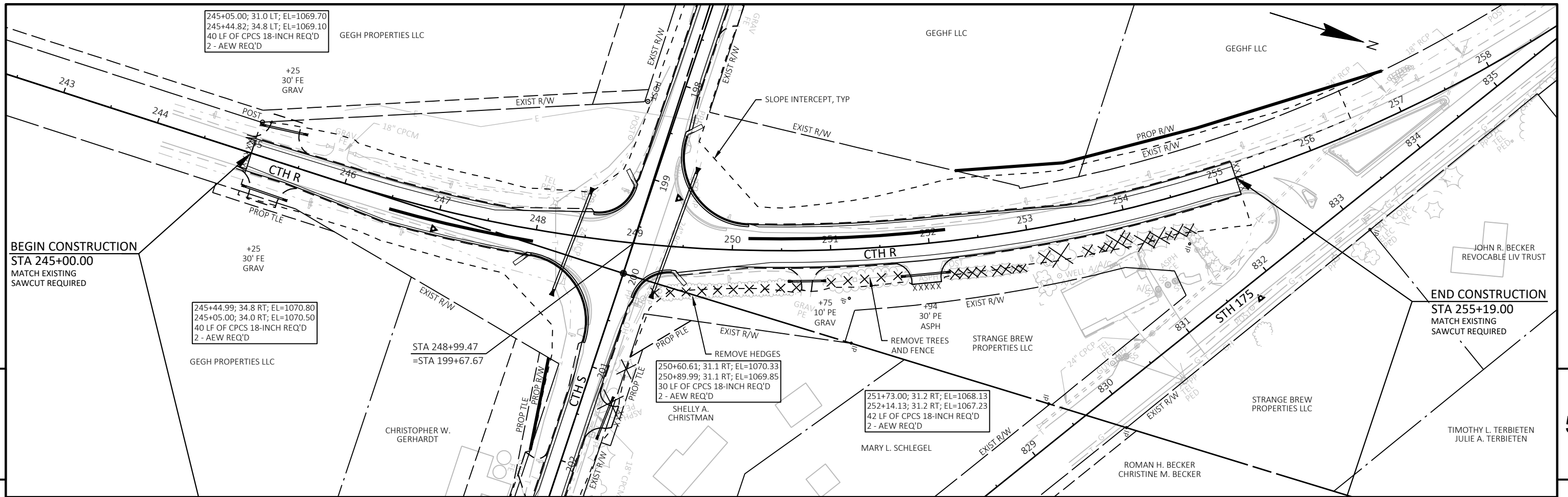
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	GRID FACTOR N/A		COUNTY: WASHINGTON	CONSTRUCTION PROJECT NUMBER: HWY 24-02	PS&E SHEET: 26



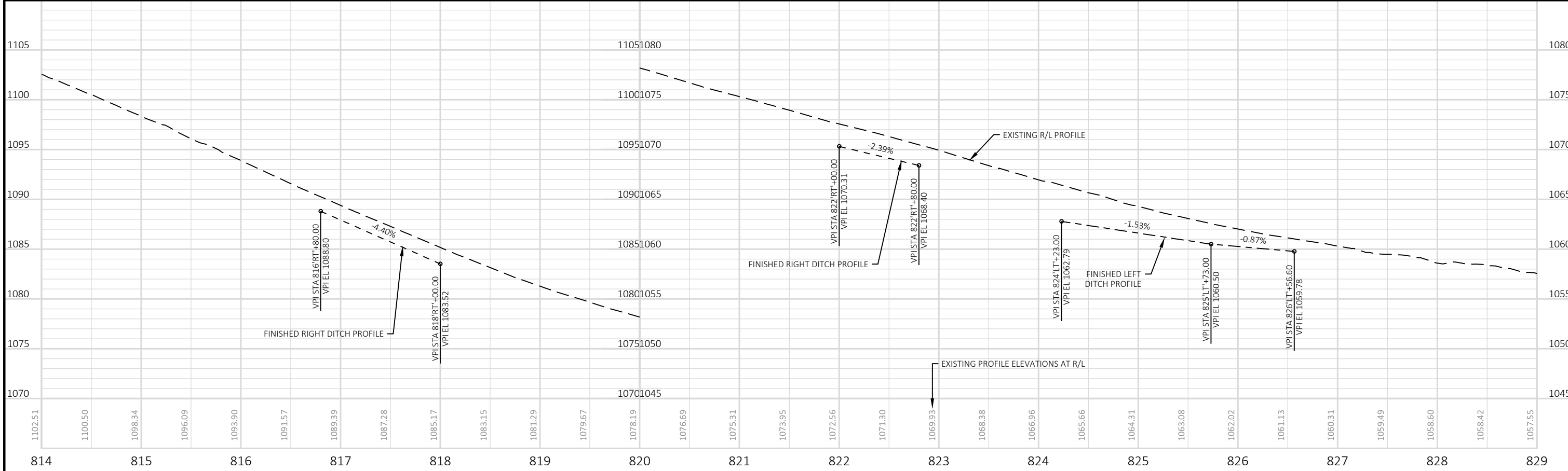
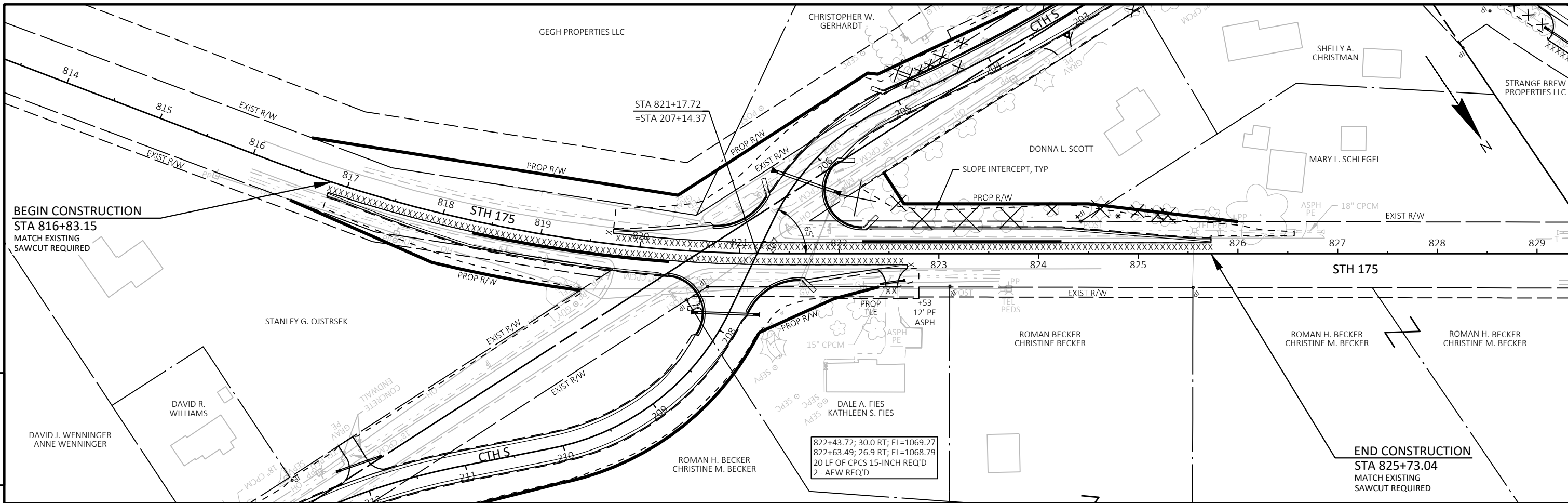
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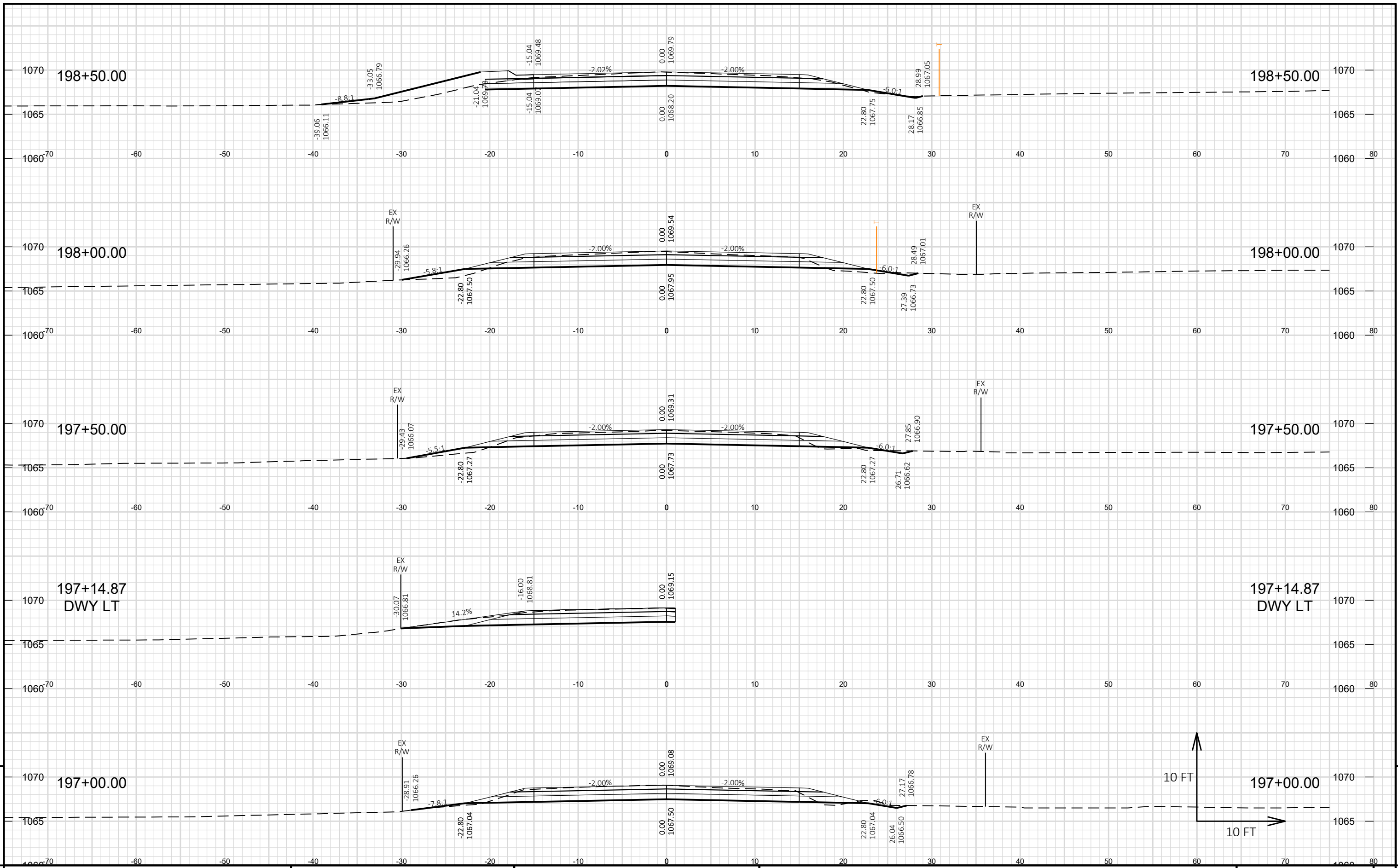
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PROJECT NO:	HWY24-02	HWY:	CTH S	COUNTY:	WASHINGTON	PLAN AND PROFILE:	CTH R	SHEET	29
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PROJECT NO: HWY24-02	HWY: CTH S	COUNTY: WASHINGTON	PLAN AND PROFILE: STH 175	SHEET 30
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PROJECT NO: HWY24-02

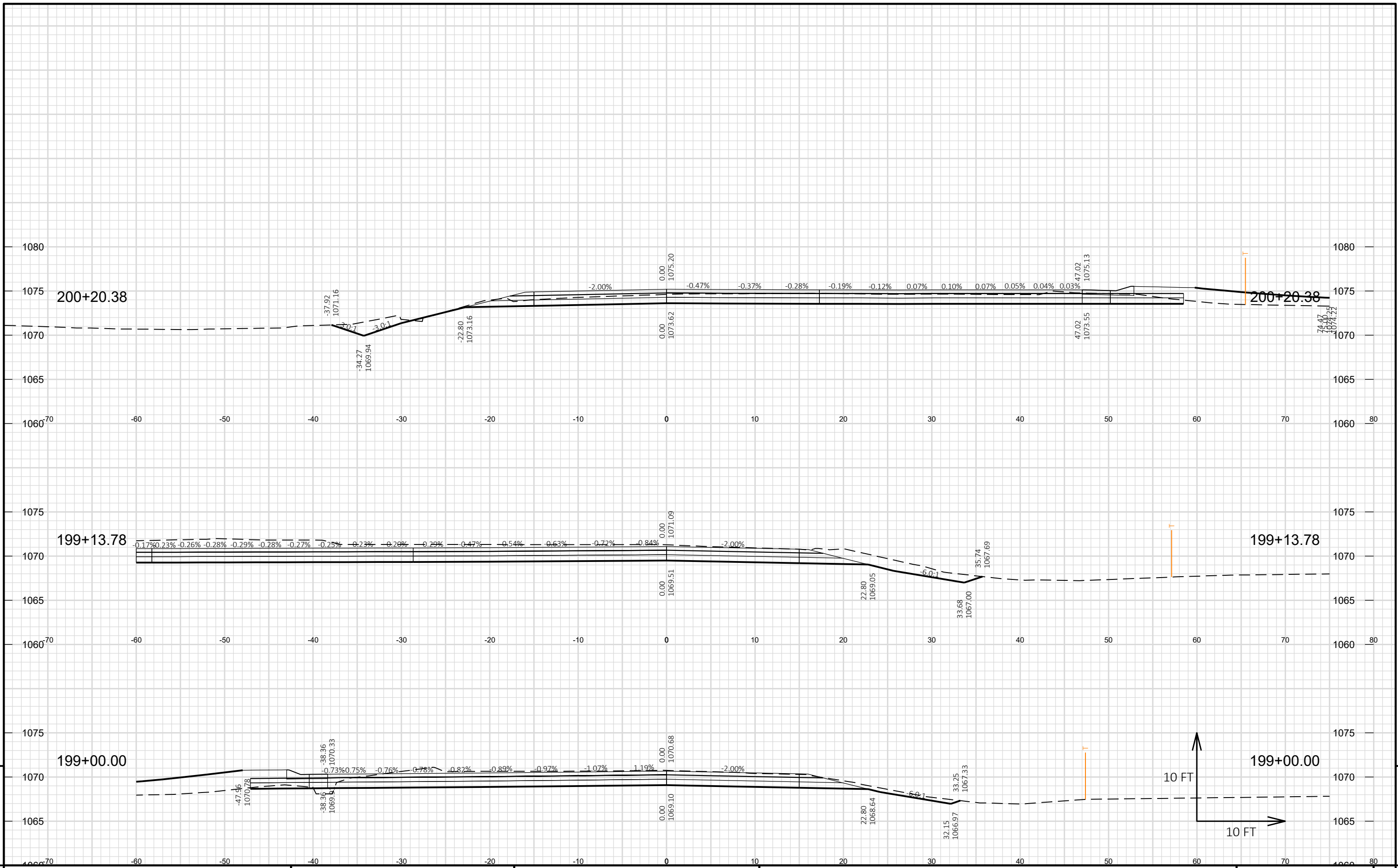
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COUNTY: WASHINGTON

CROSS SECTIONS: CTH S

SHEET 31

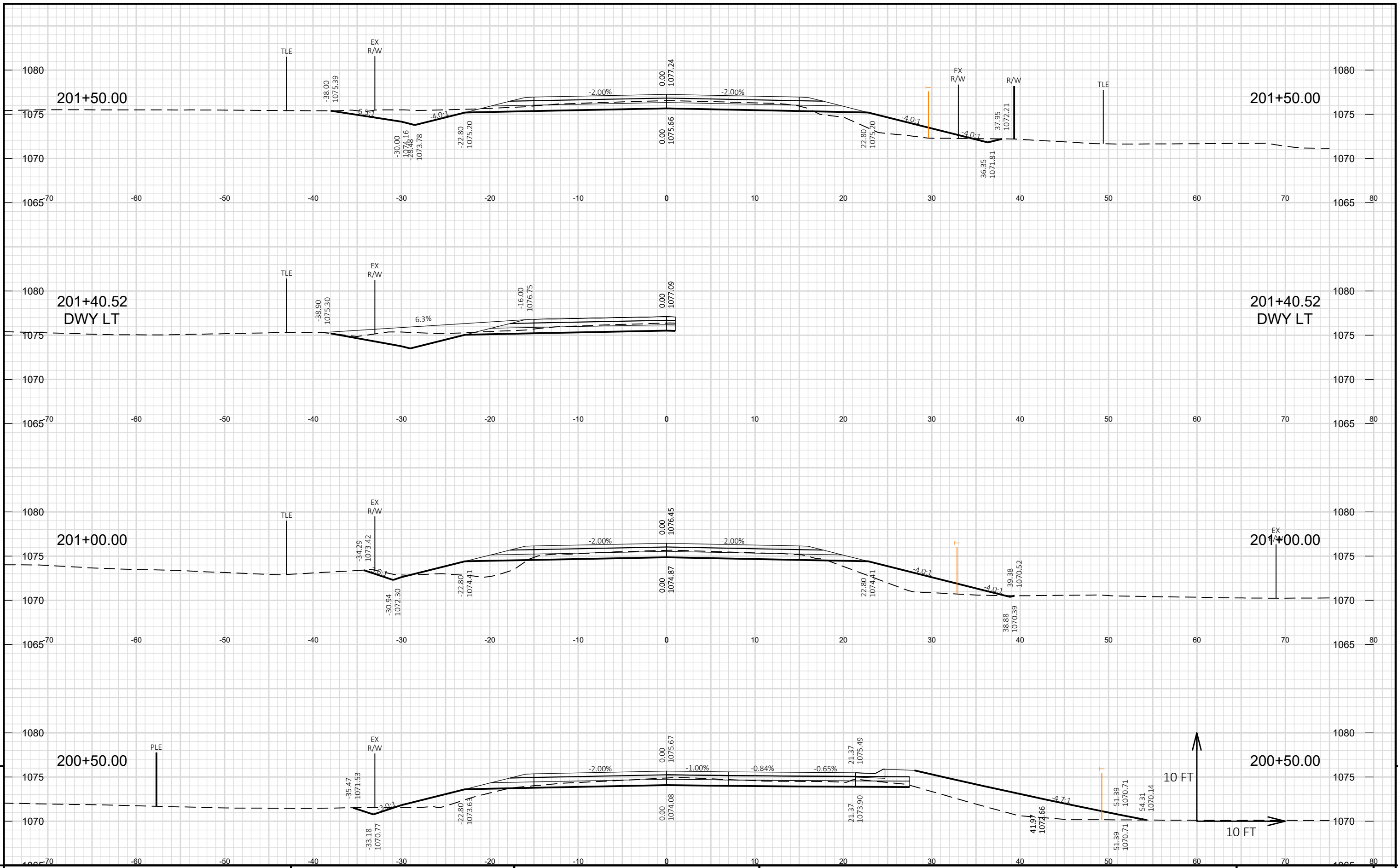
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PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH S      SHEET 32 E

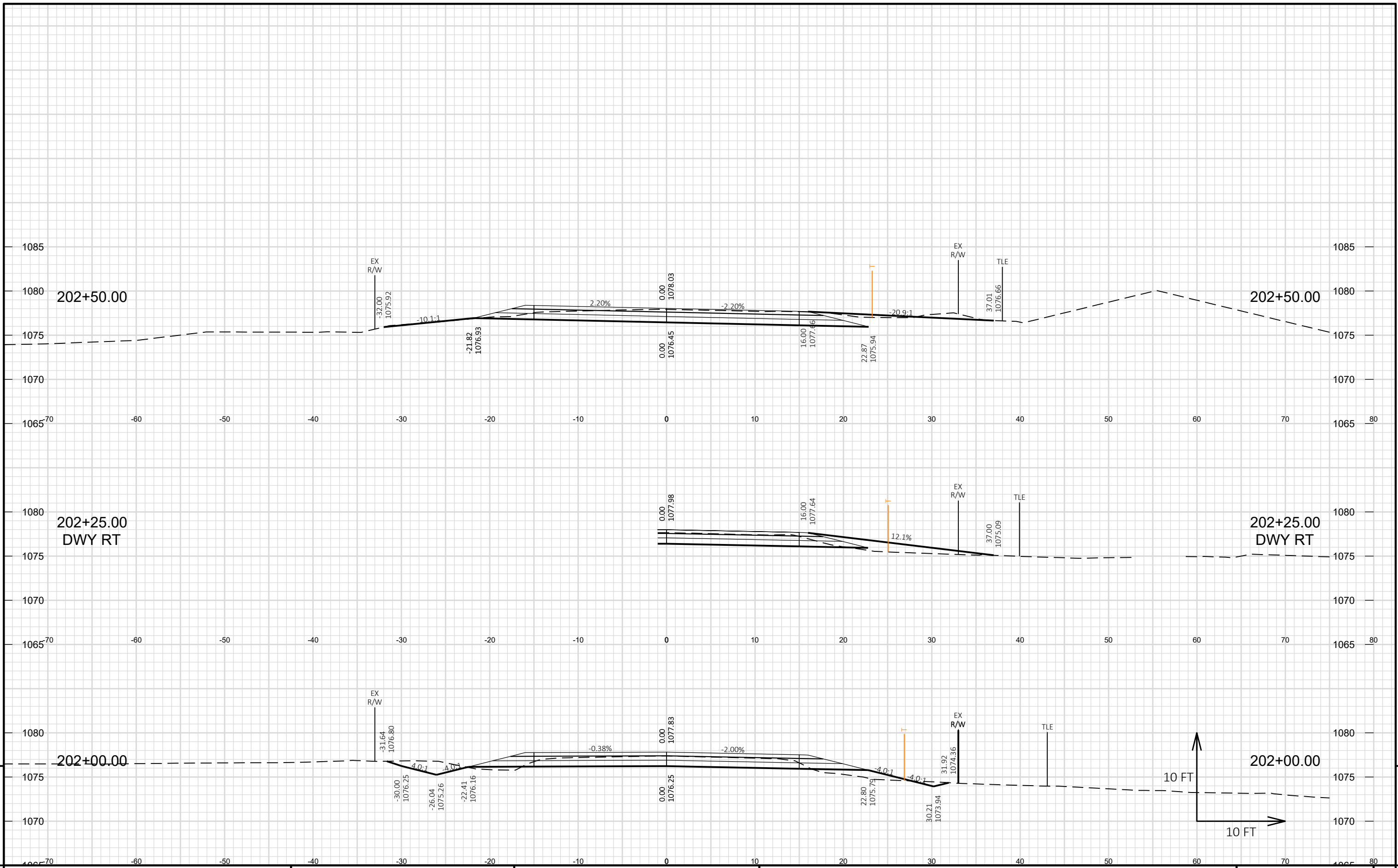
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PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH S      SHEET 33 E

FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:20 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49



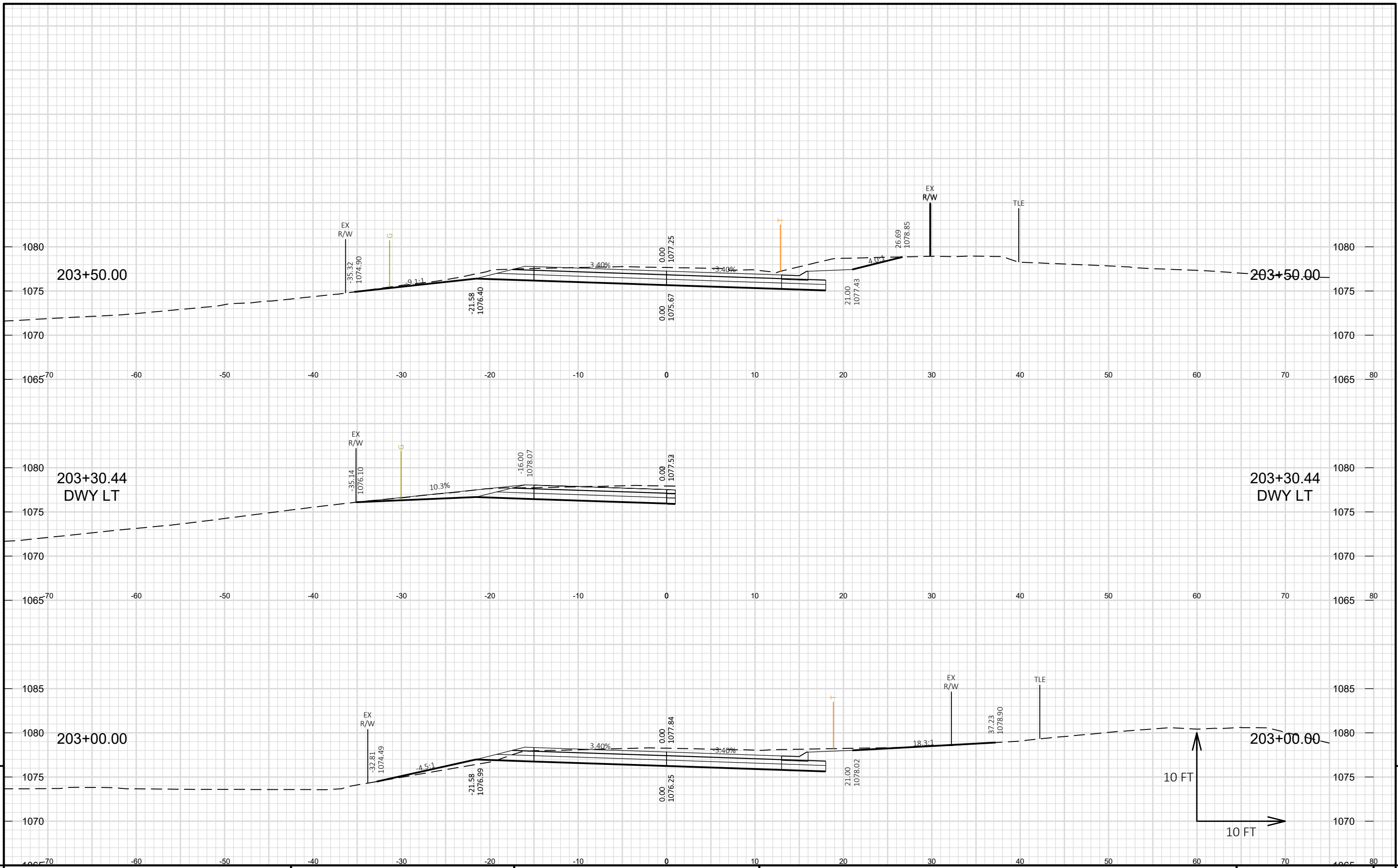
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9

PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH S      SHEET 34 E

FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:20 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49

LAYOUT NAME - 103-CTHS



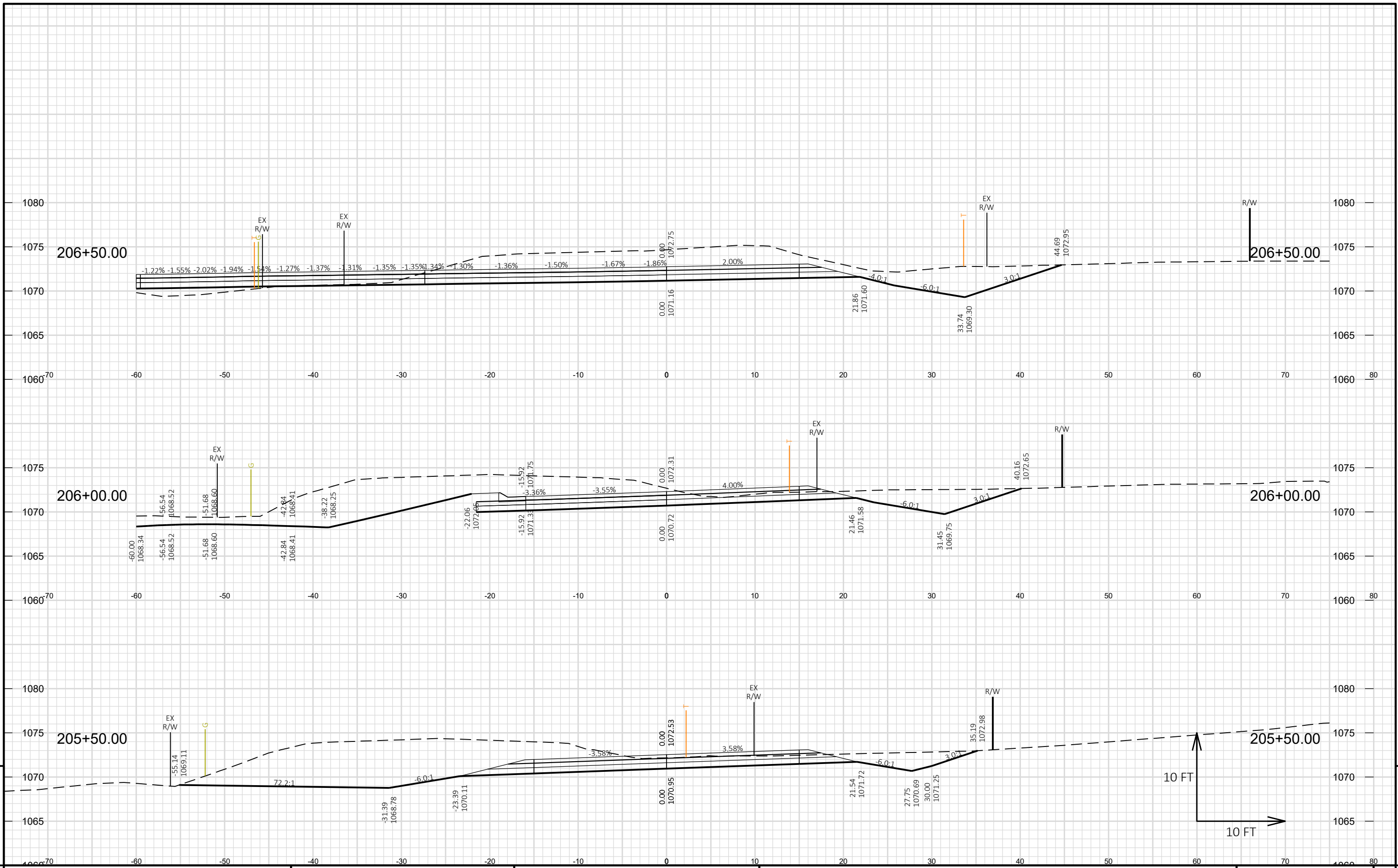
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9

PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH S      SHEET 35 E

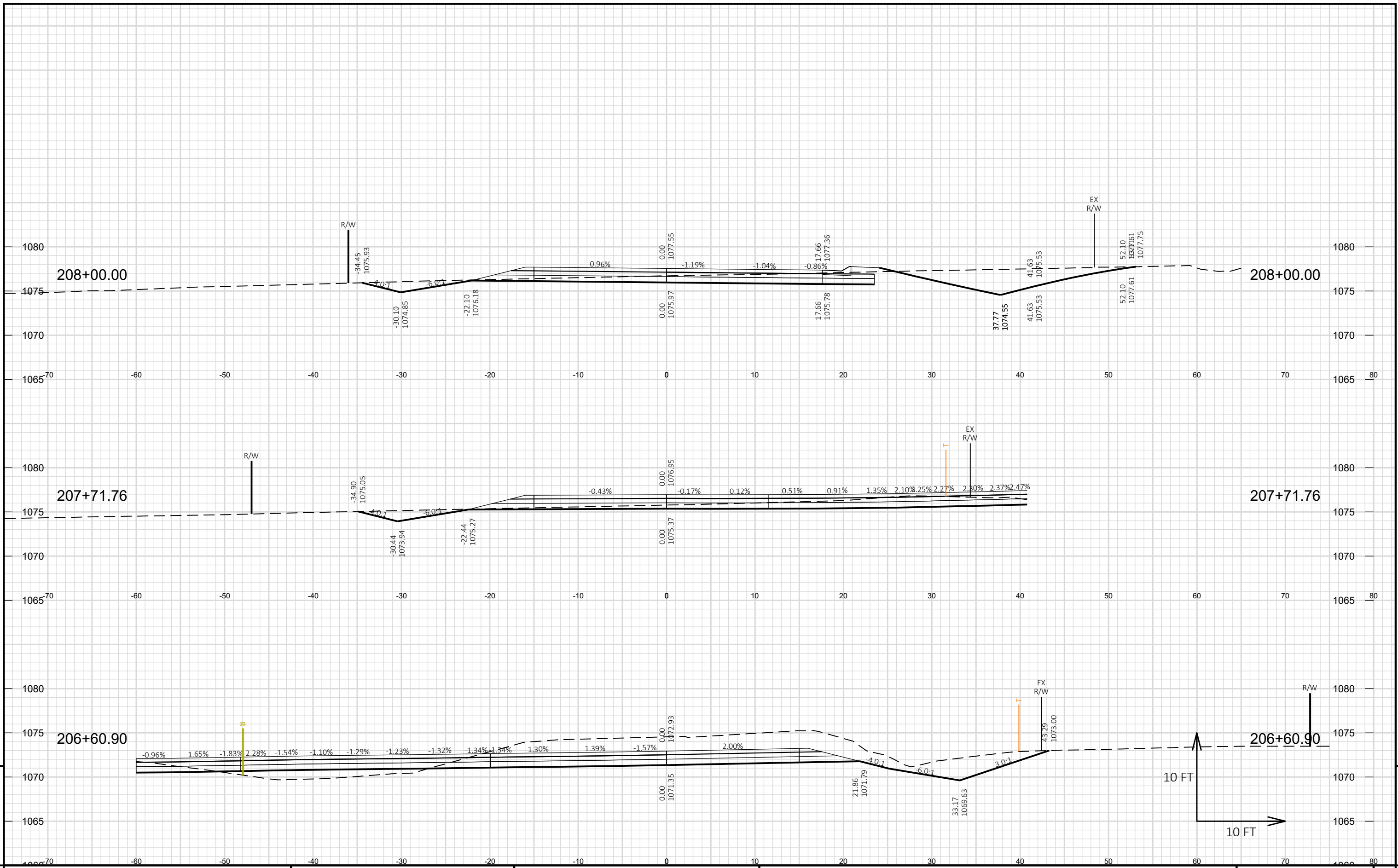
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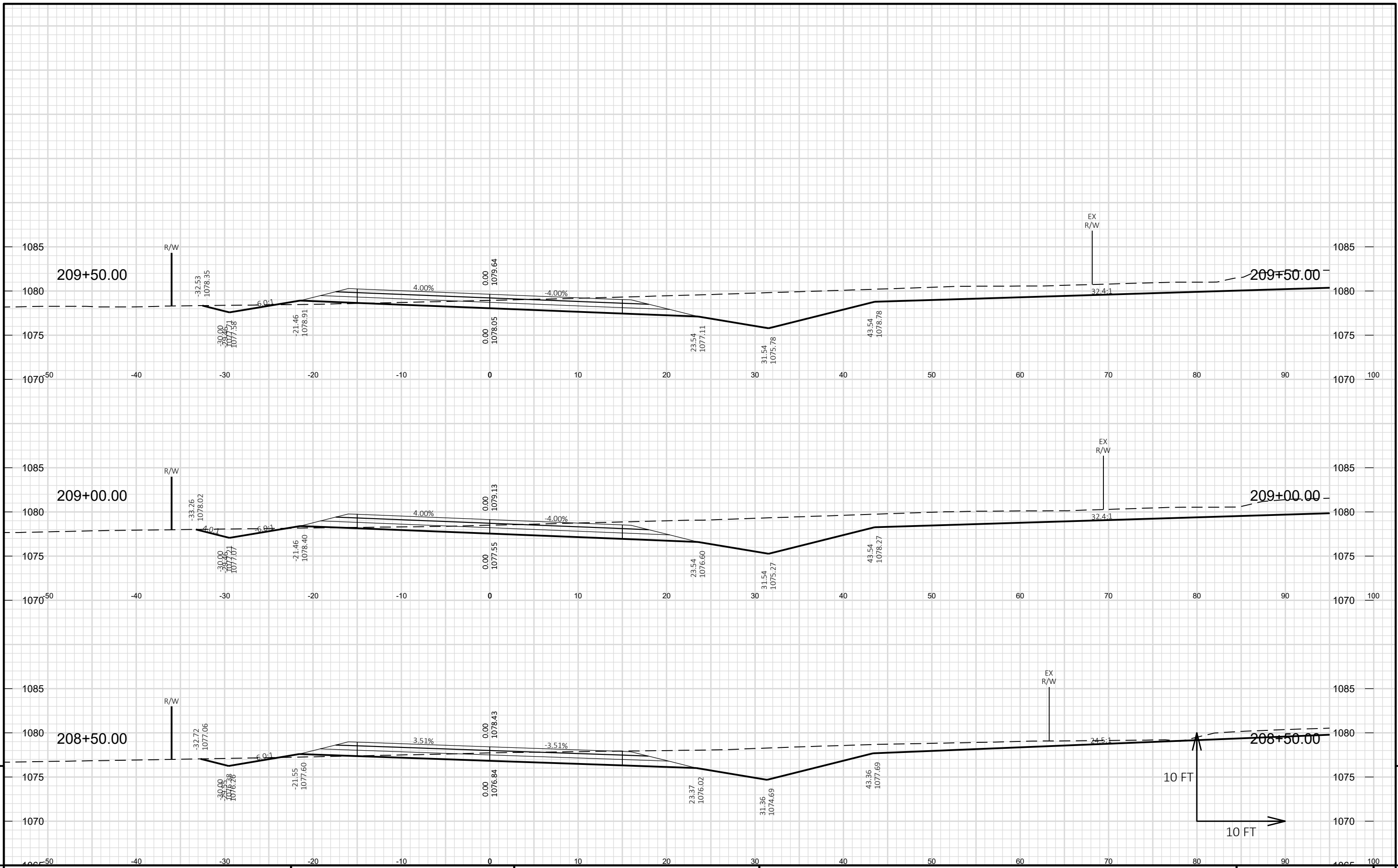
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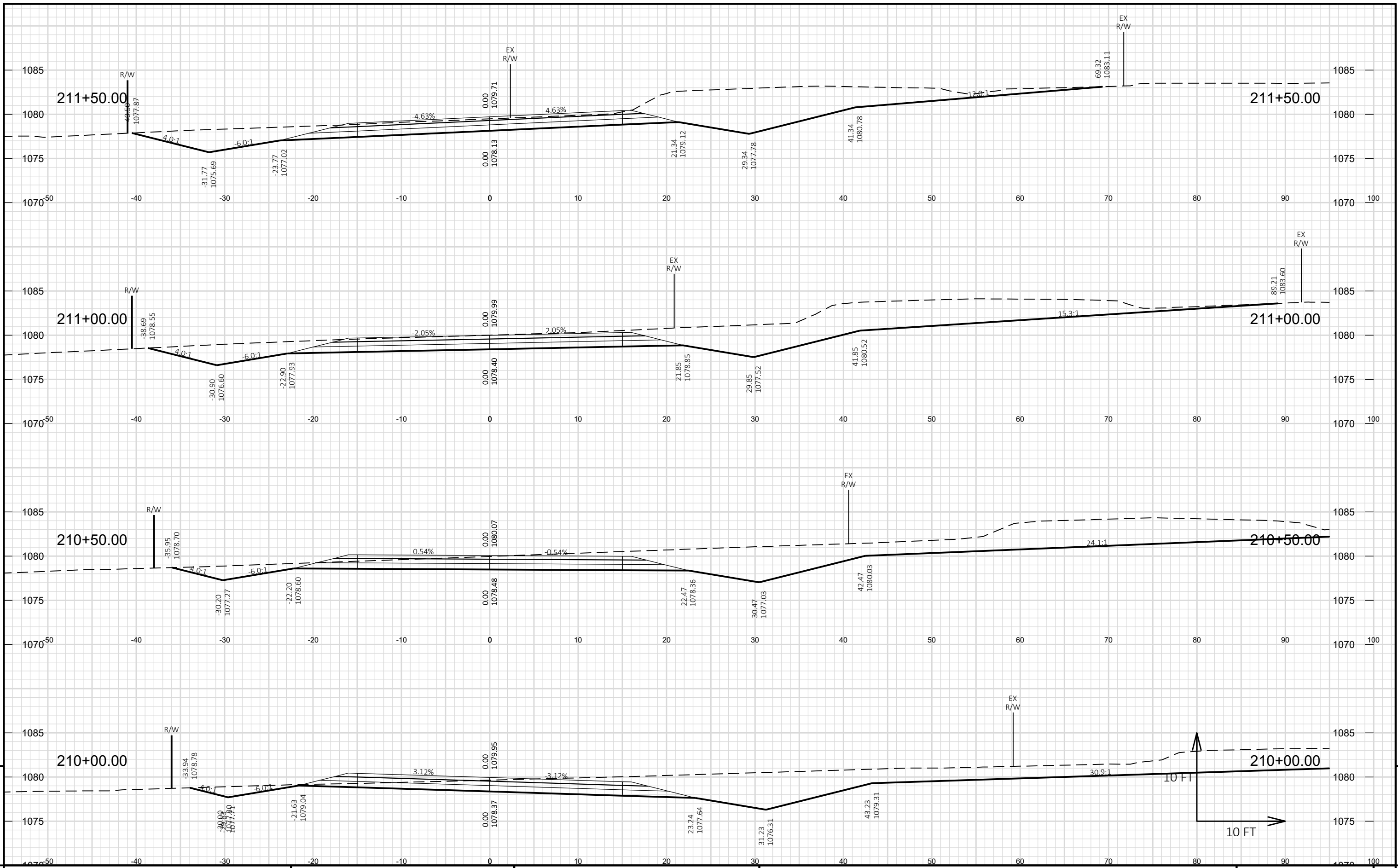


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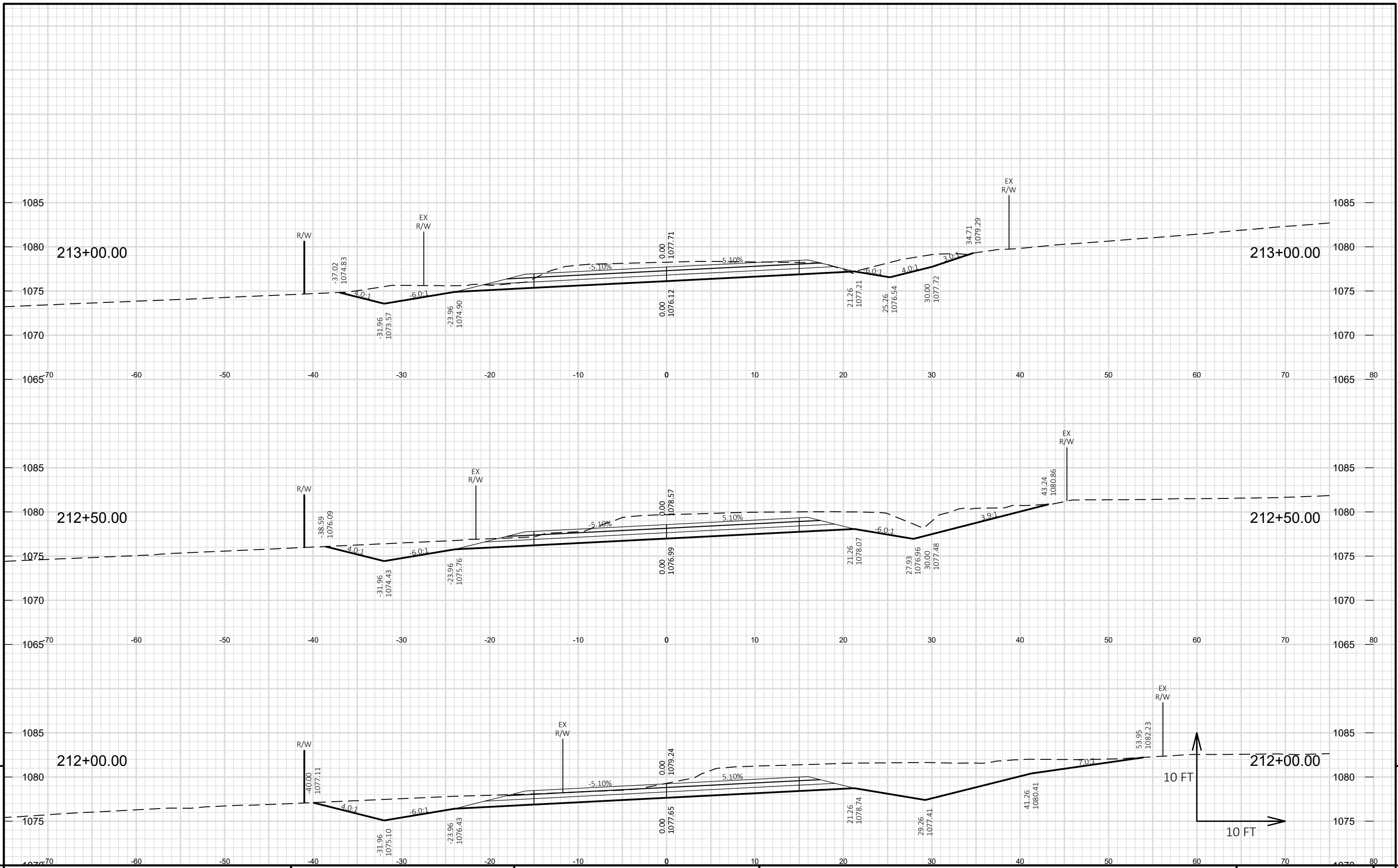


PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH S      SHEET 39



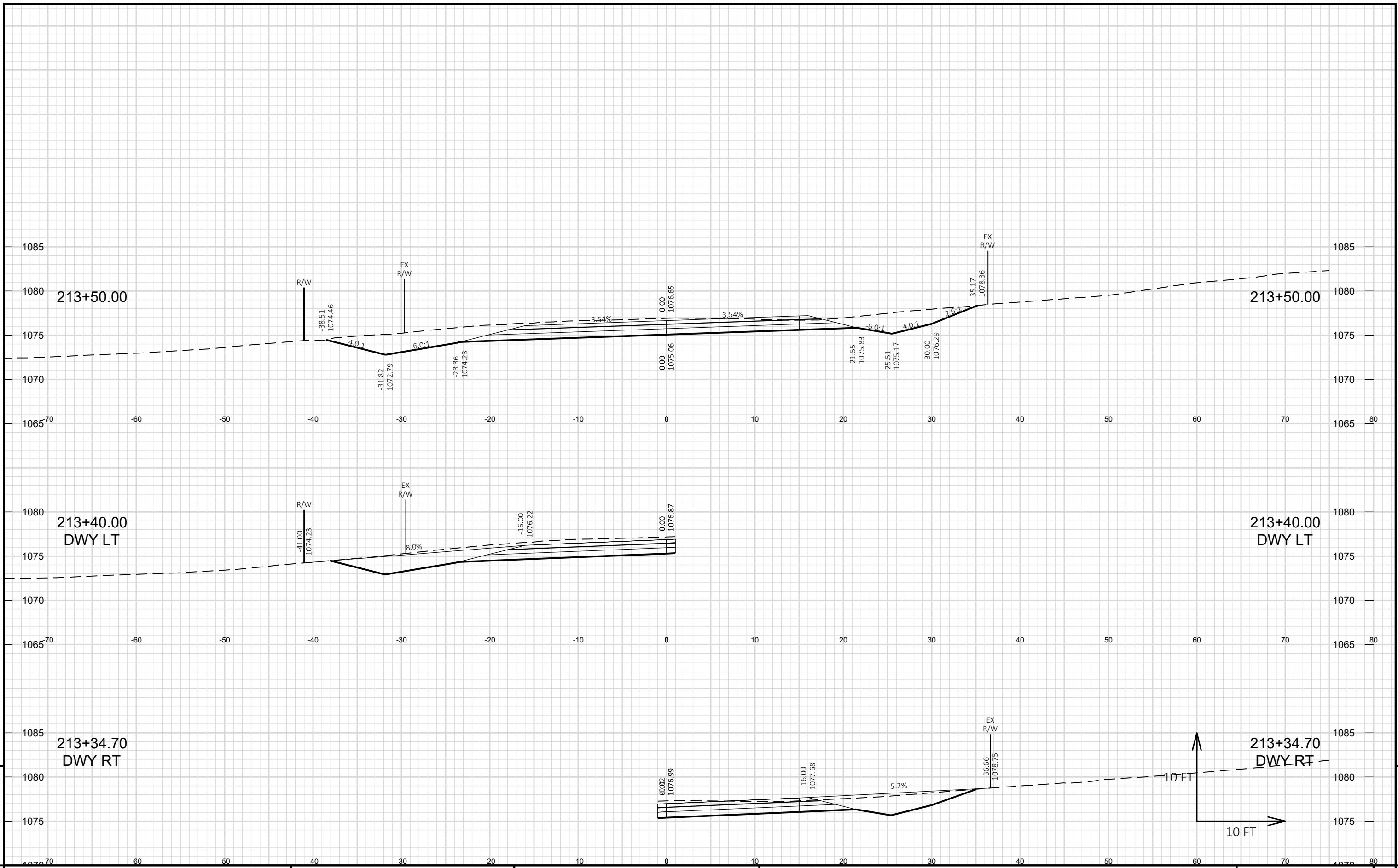
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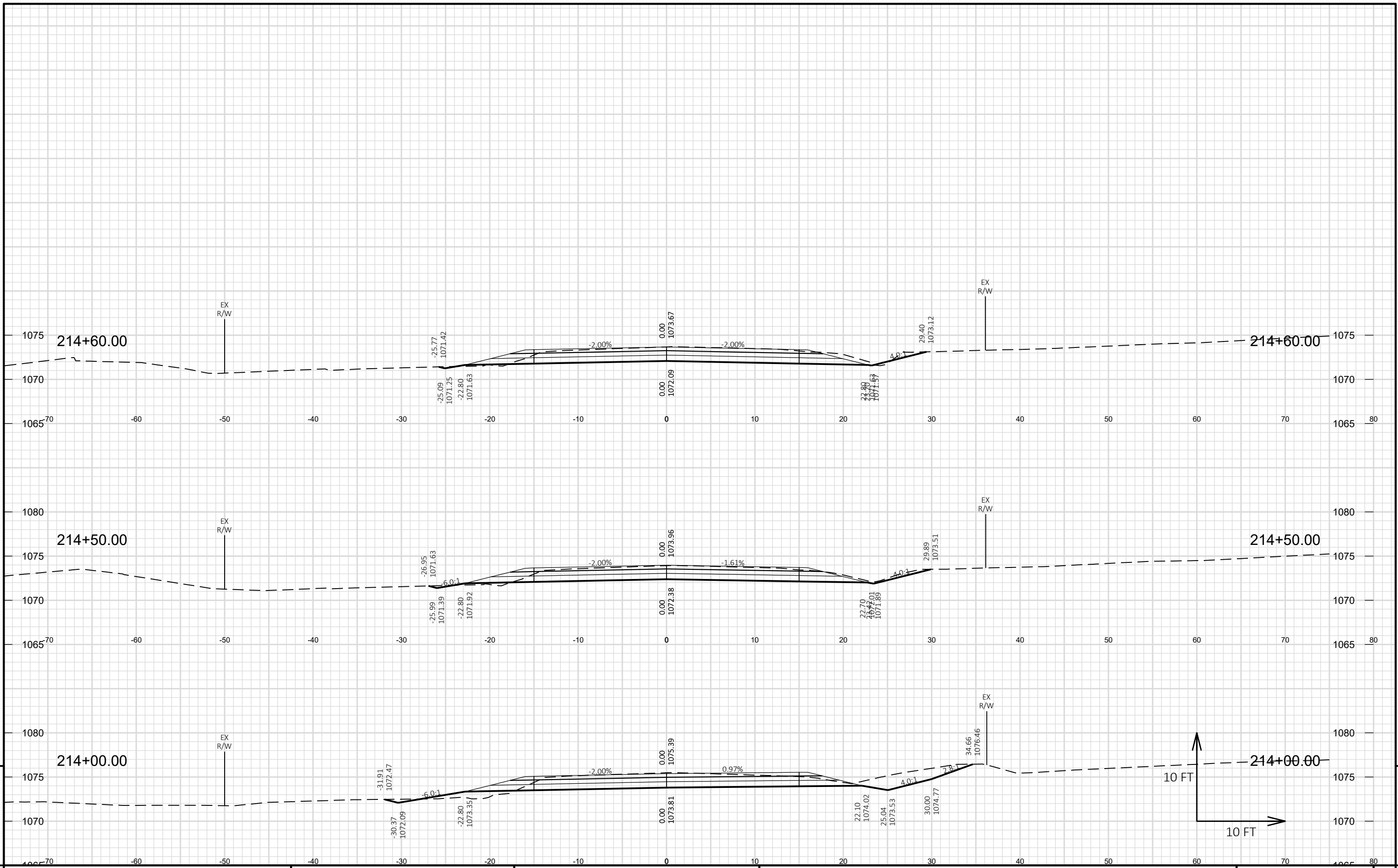
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FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:21 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49



PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH S      SHEET 42 E

FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:21 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49



PROJECT NO: HWY24-02

HWY: CTH S

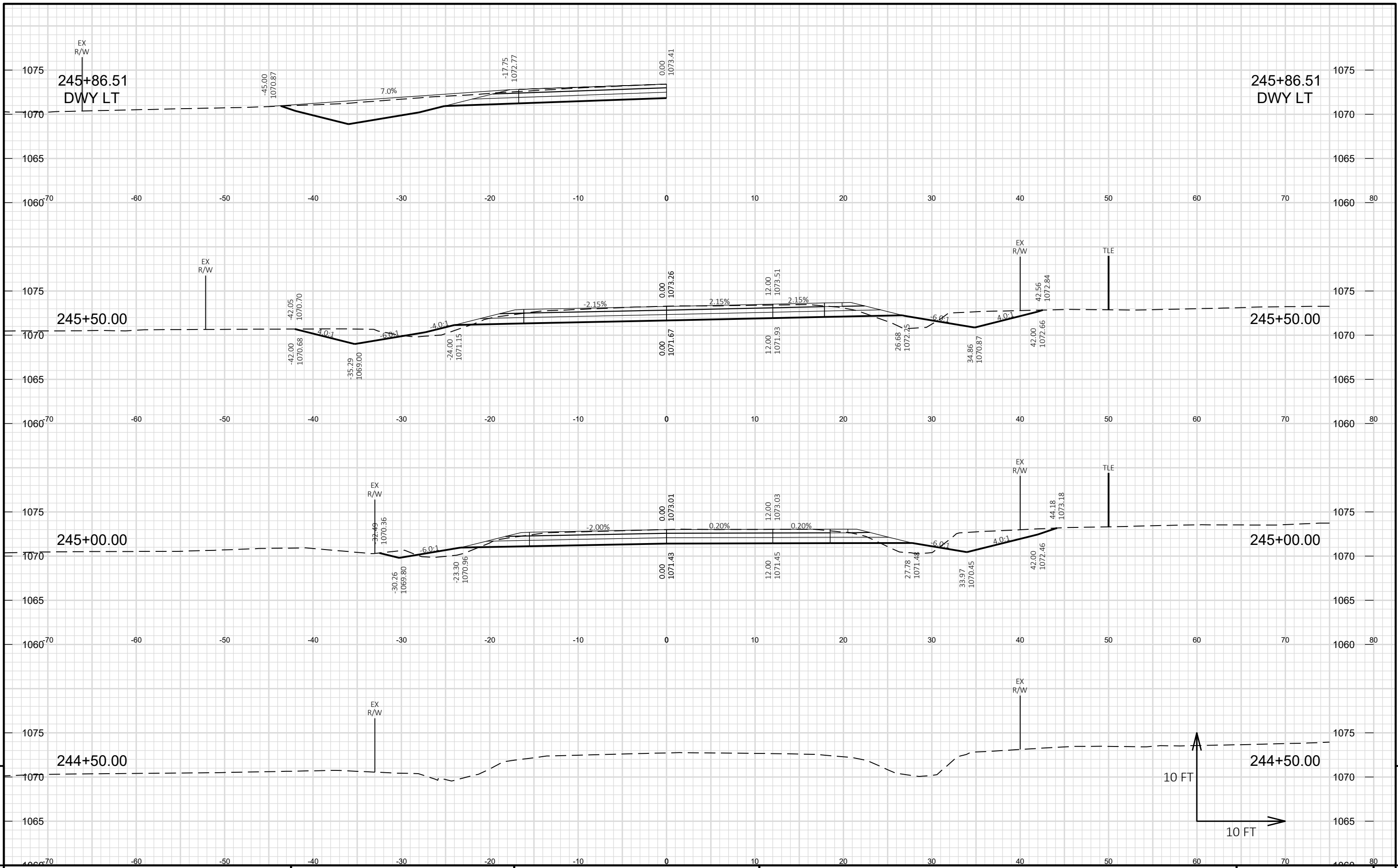
COUNTY: WASHINGTON

CROSS SECTIONS: CTH S

SHEET

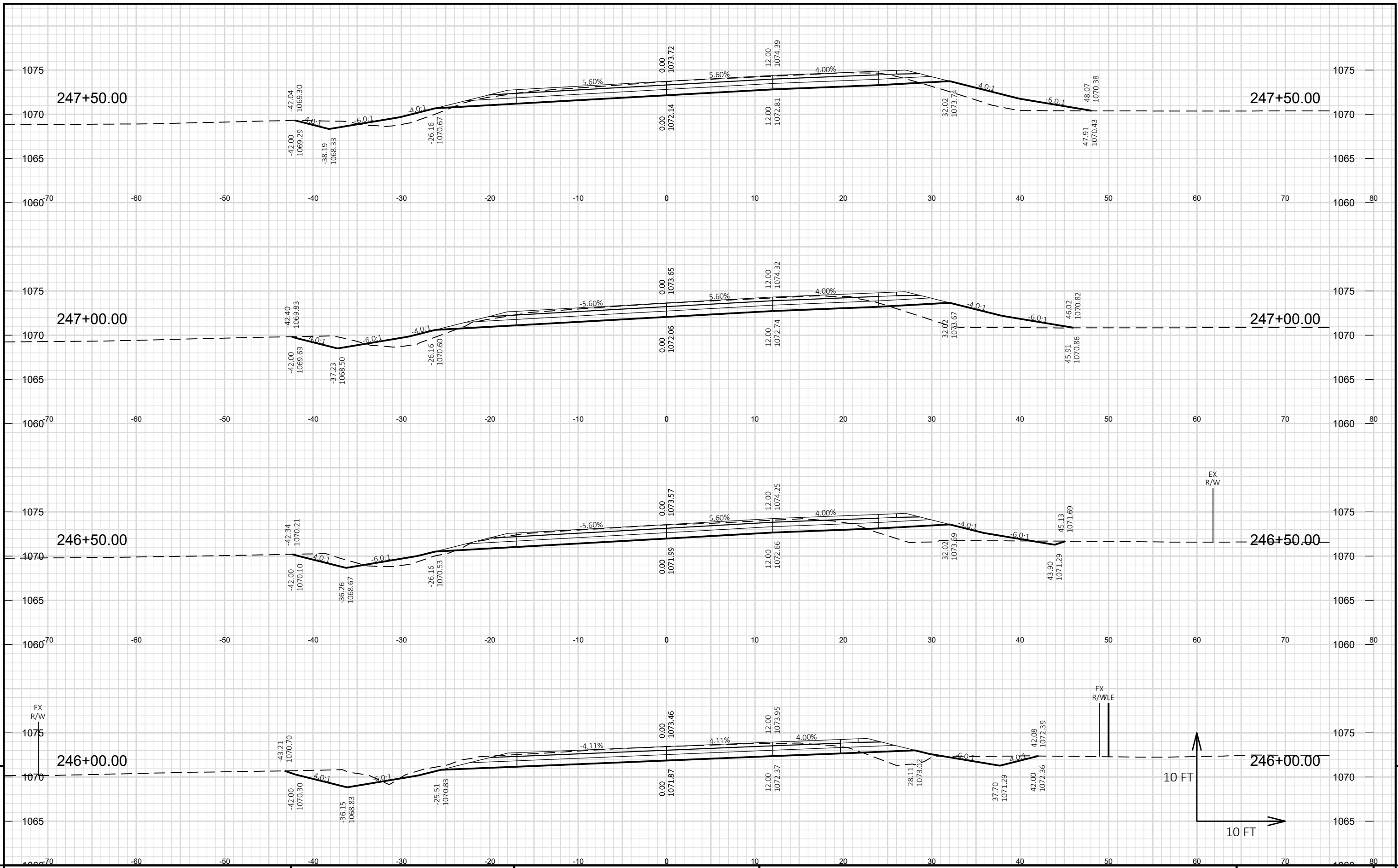
43

E



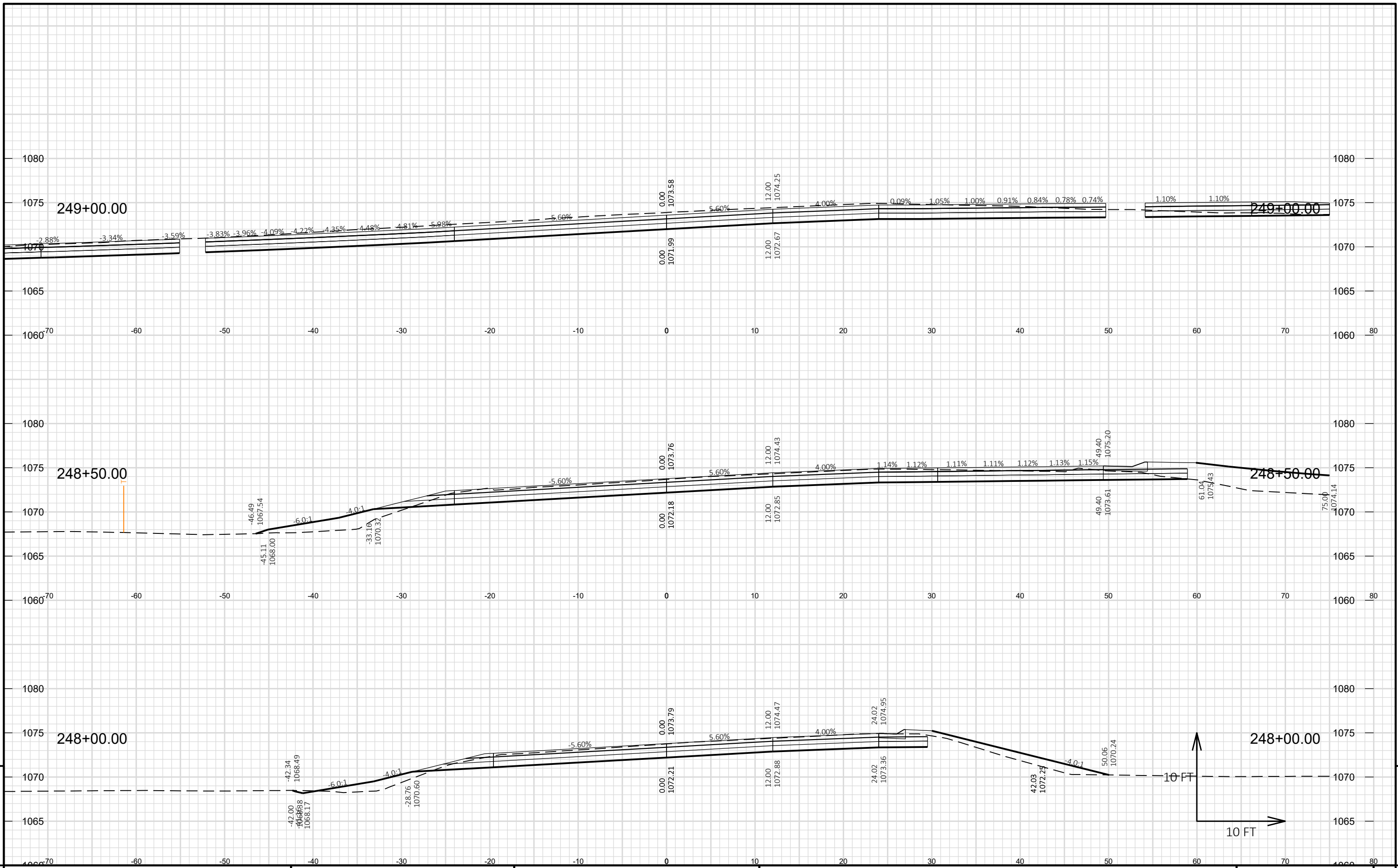
PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH R      SHEET 44 **E**

FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:21 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49



PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH R      SHEET 45 E

FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:21 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49



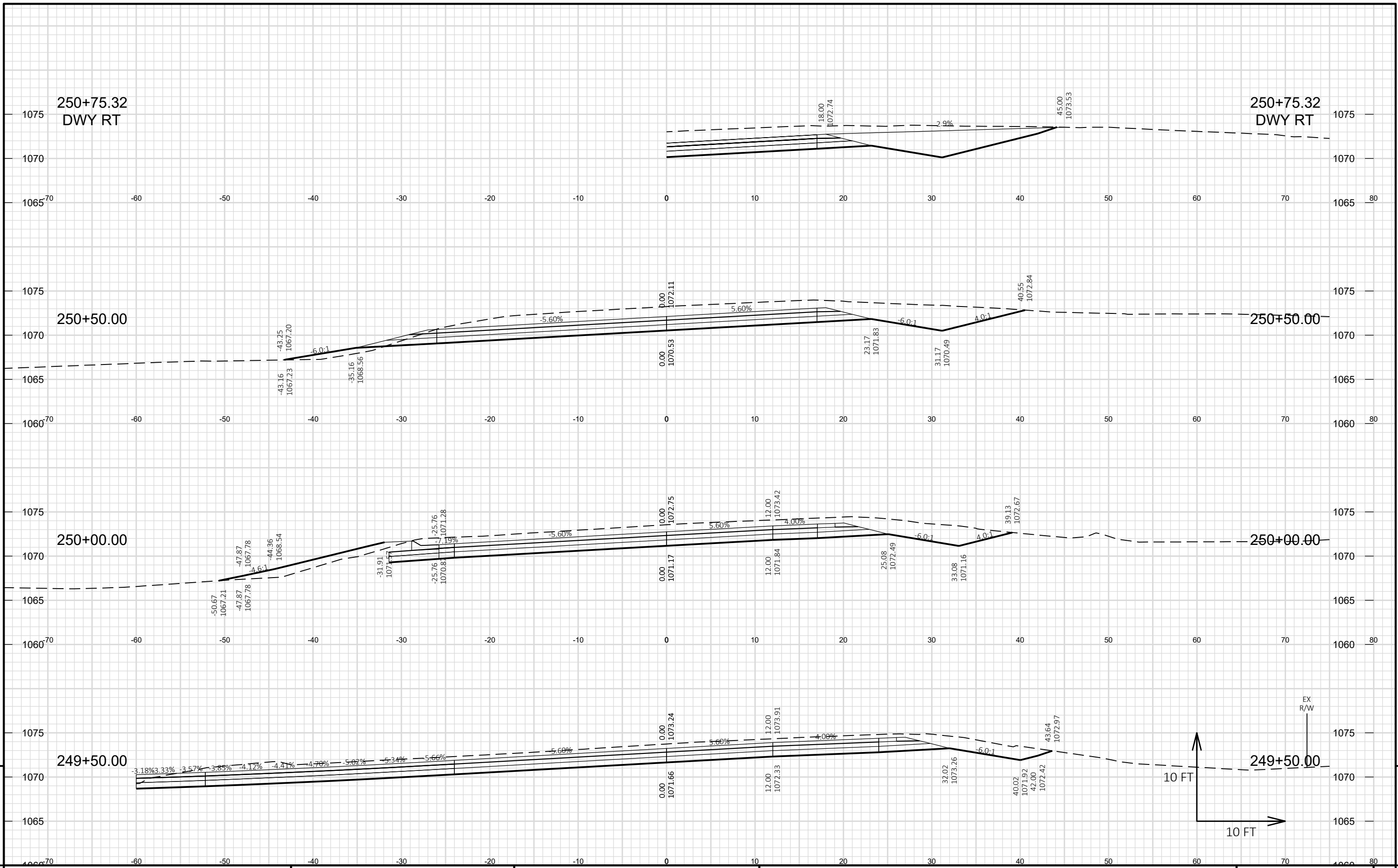
PROJECT NO: HWY24-02

HWY: CTH S

COUNTY: WASHINGTON

CROSS SECTIONS: CTH R

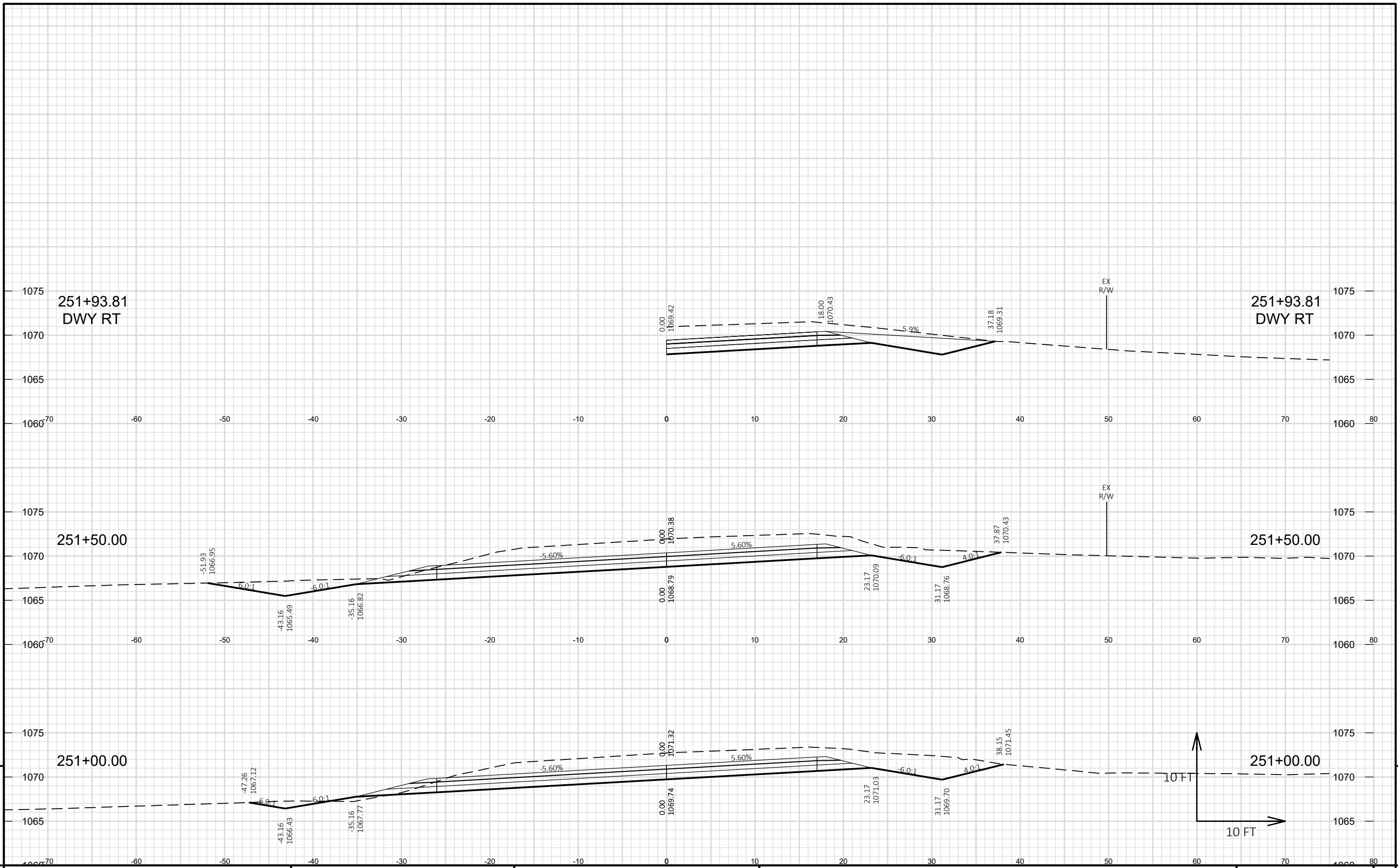
SHEET 46



9 9

10 FT 10 FT

EX R/W



PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH R      SHEET 48

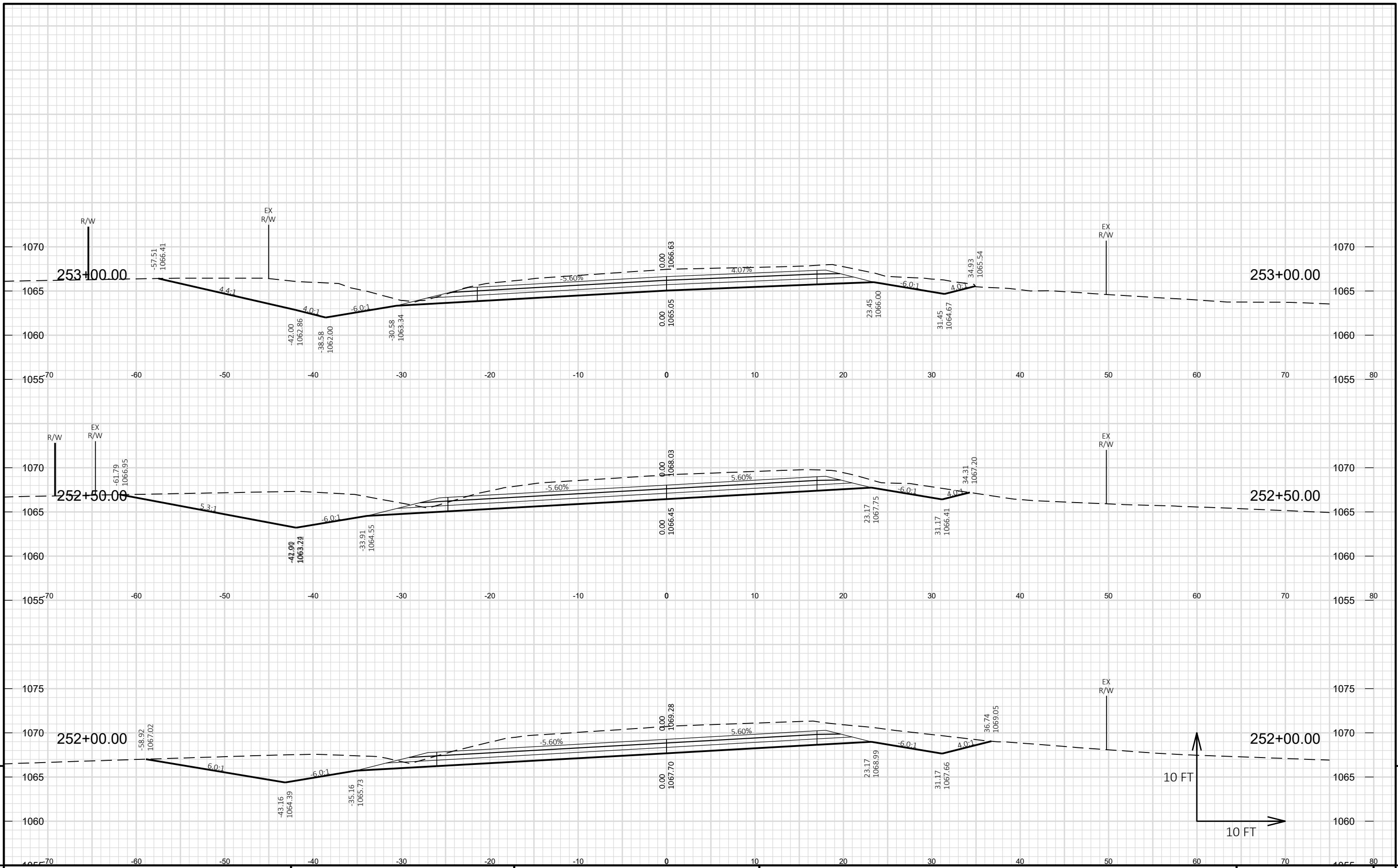
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9

9

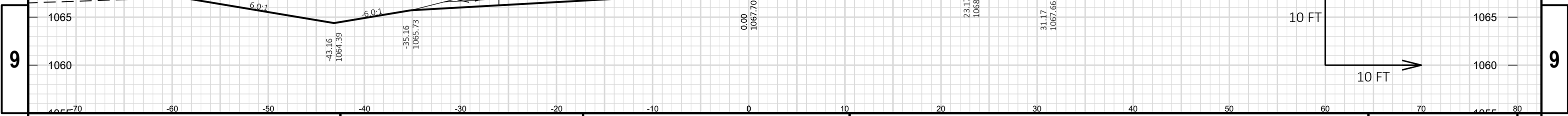
E

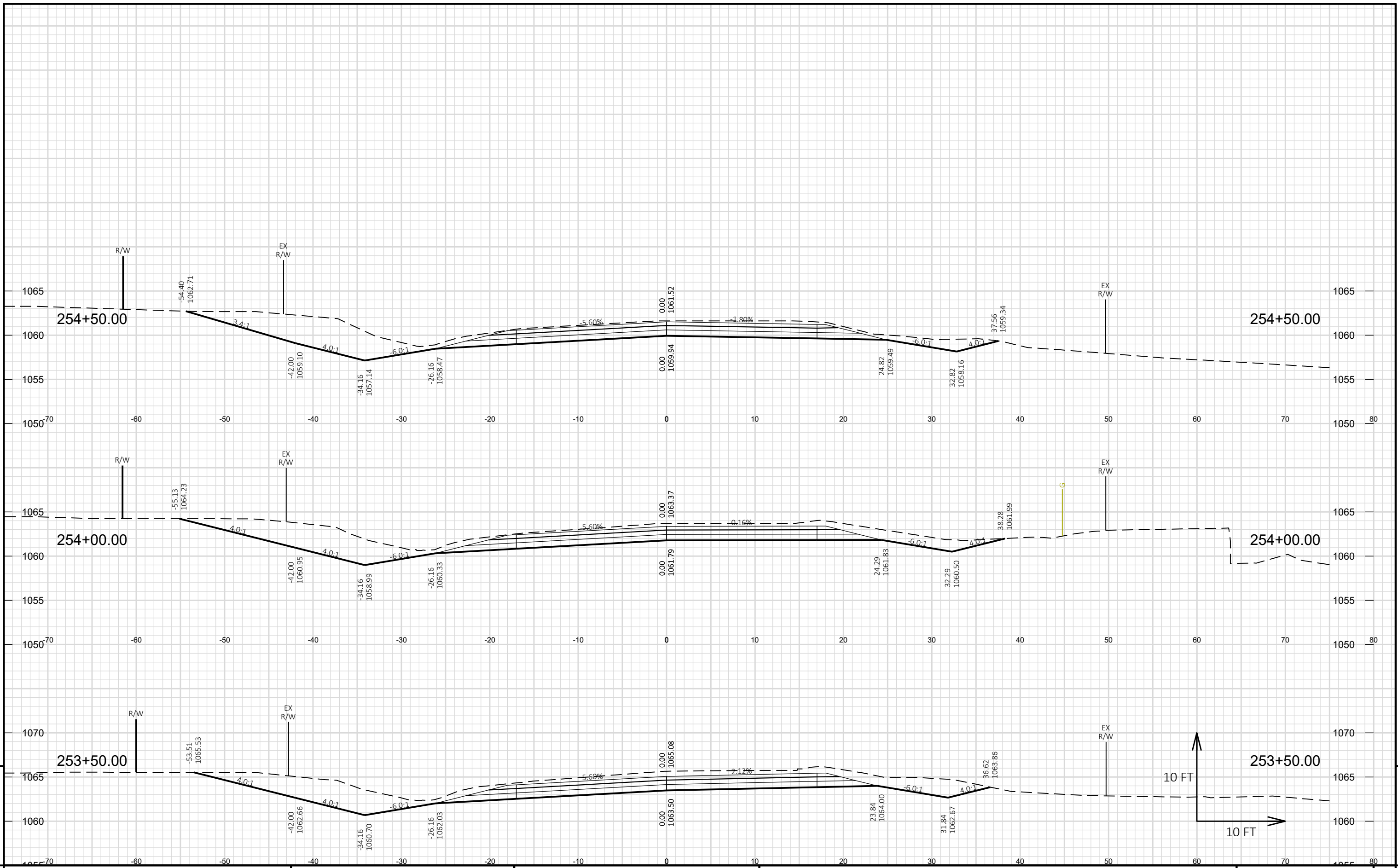




PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH R      SHEET 49

FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:21 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49



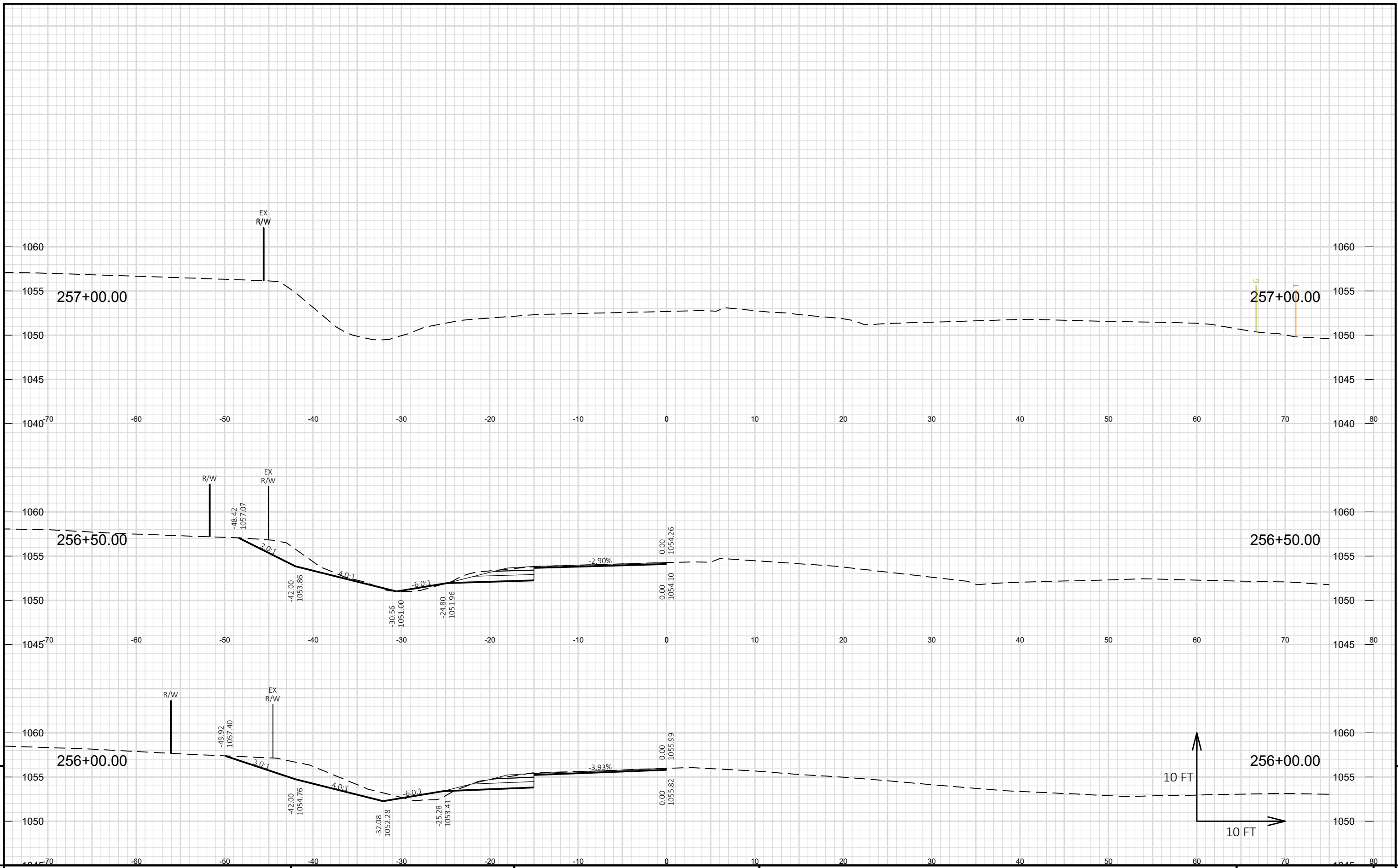


PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH R      SHEET 50 E

FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:21 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49

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PROJECT NO: HWY24-02

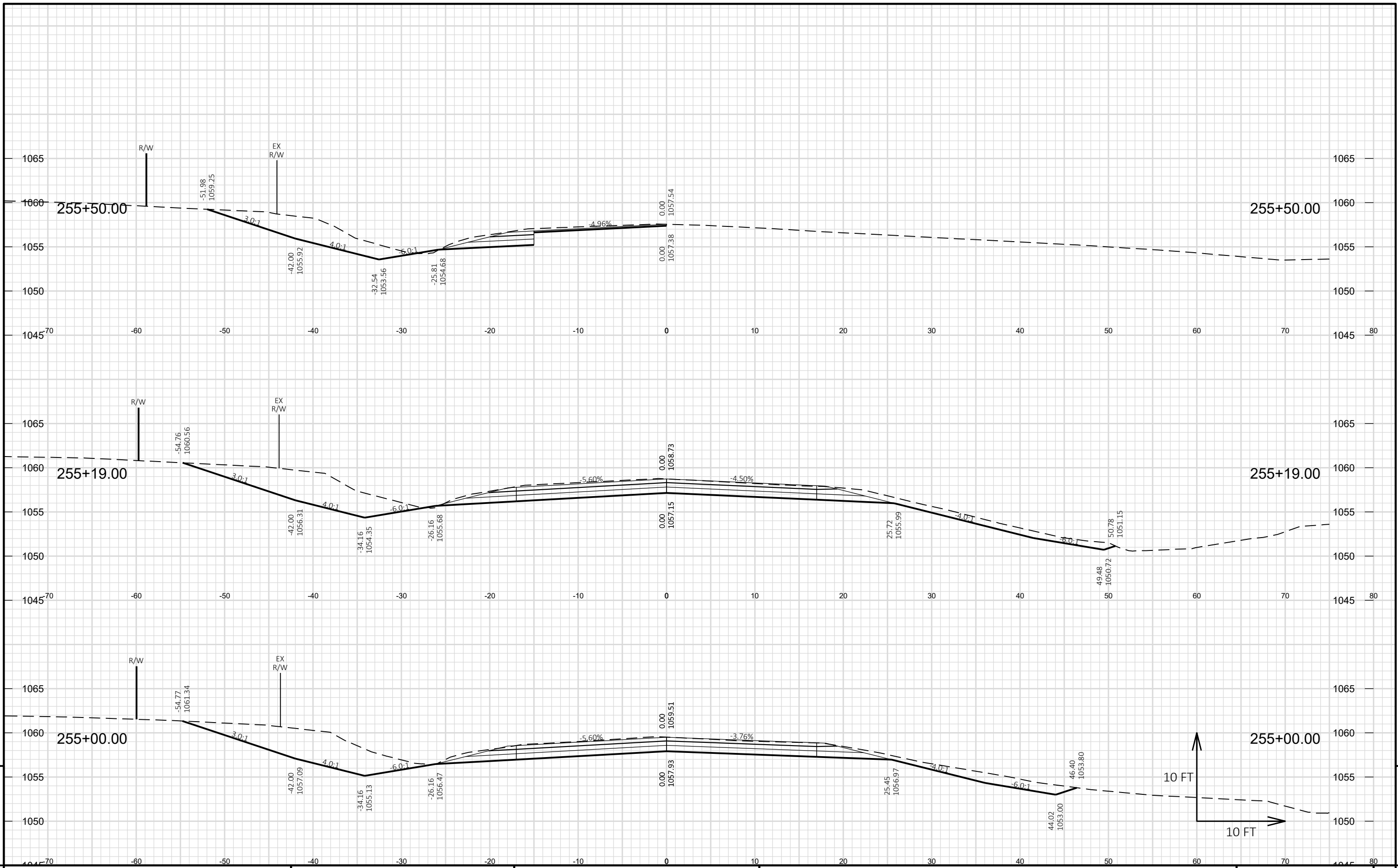
HWY: CTH S

COUNTY: WASHINGTON

CROSS SECTIONS: CTH R

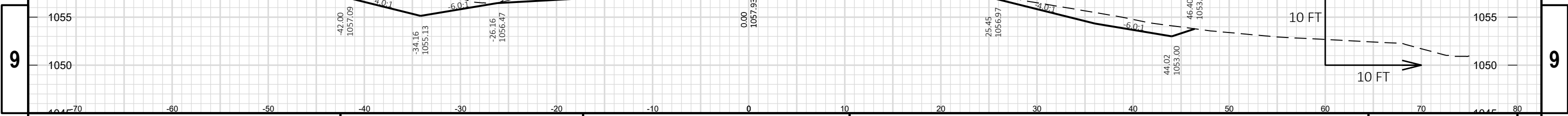
SHEET 51

E



PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: CTH R      SHEET 52

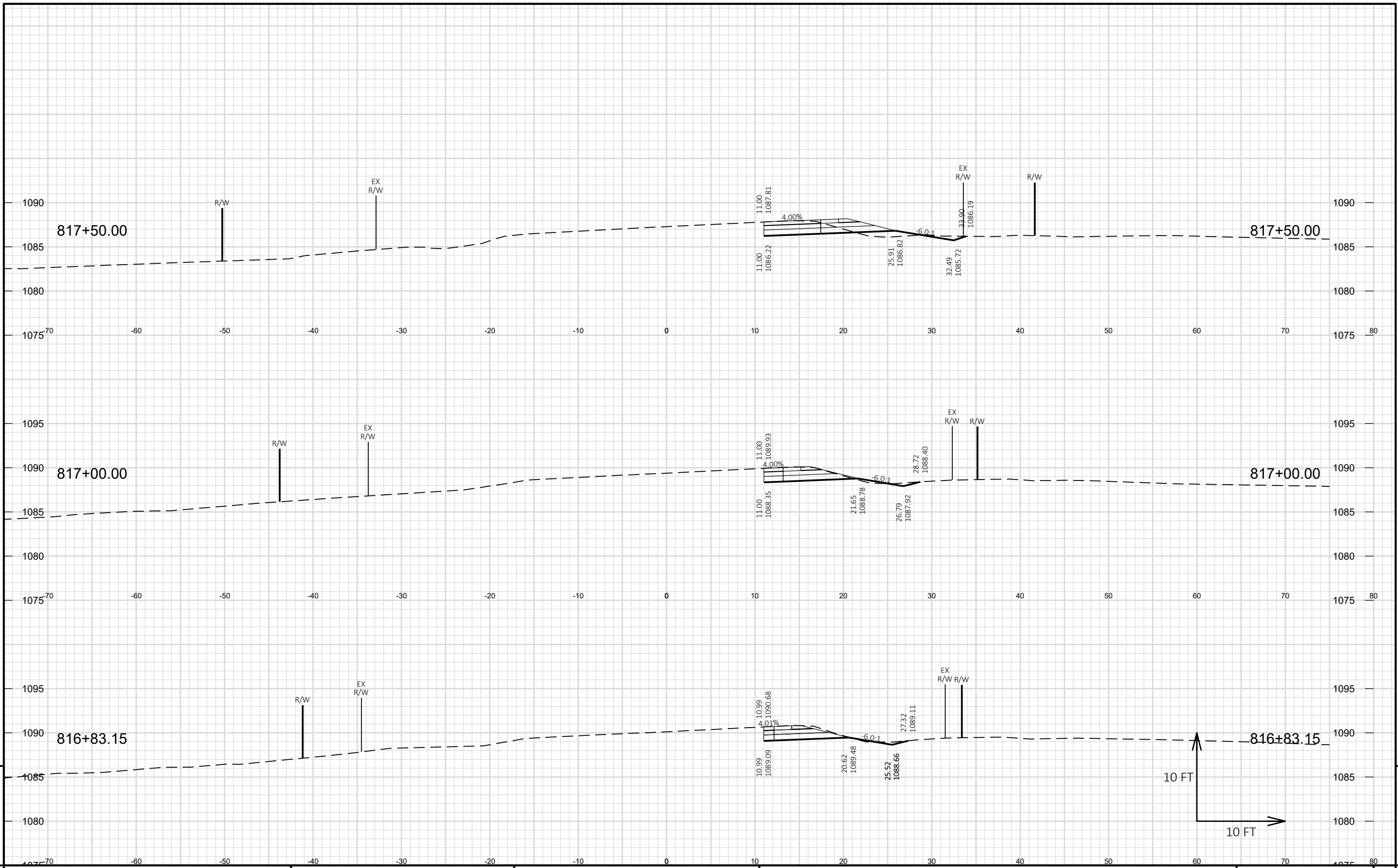
FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:21 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49



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E

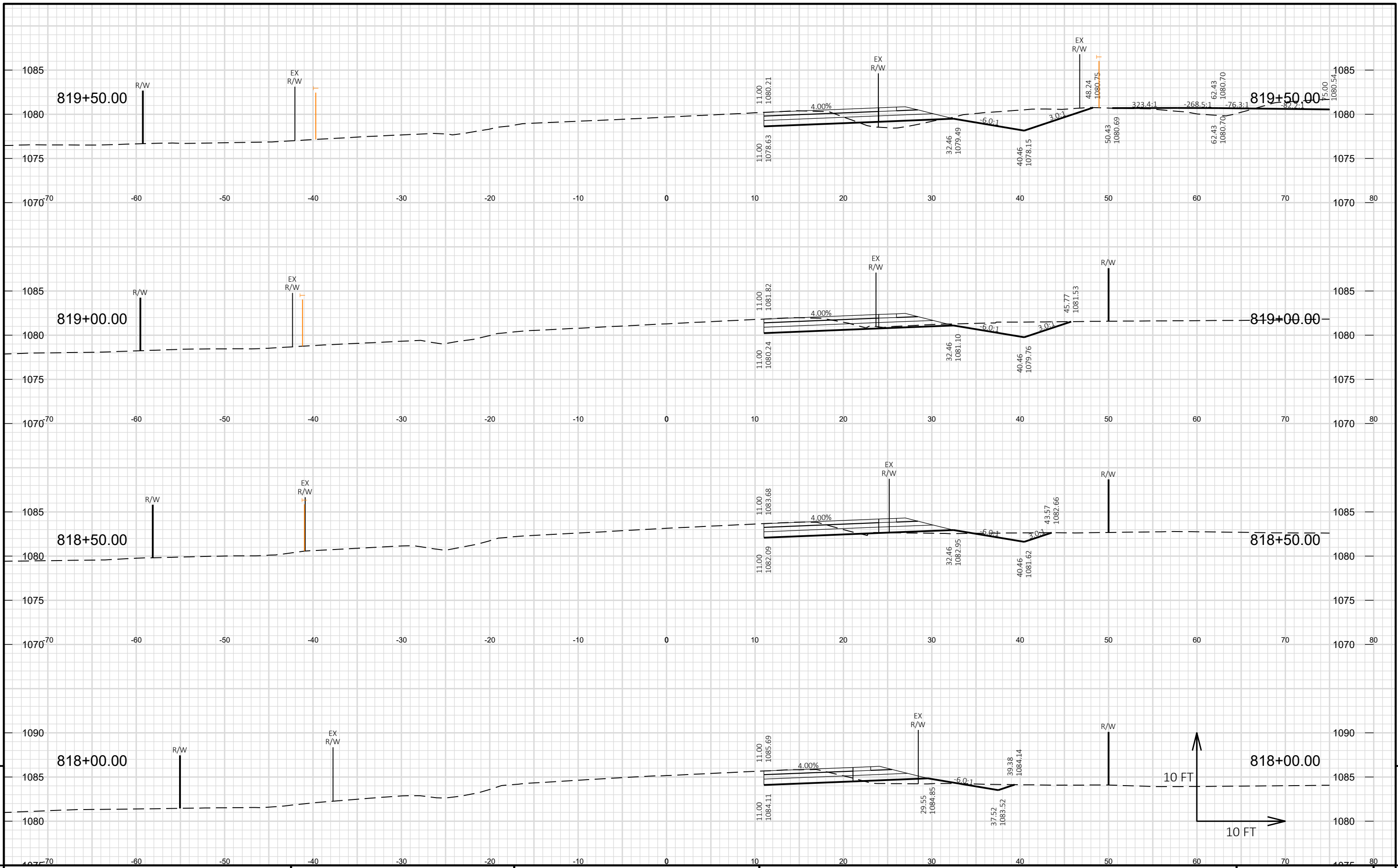


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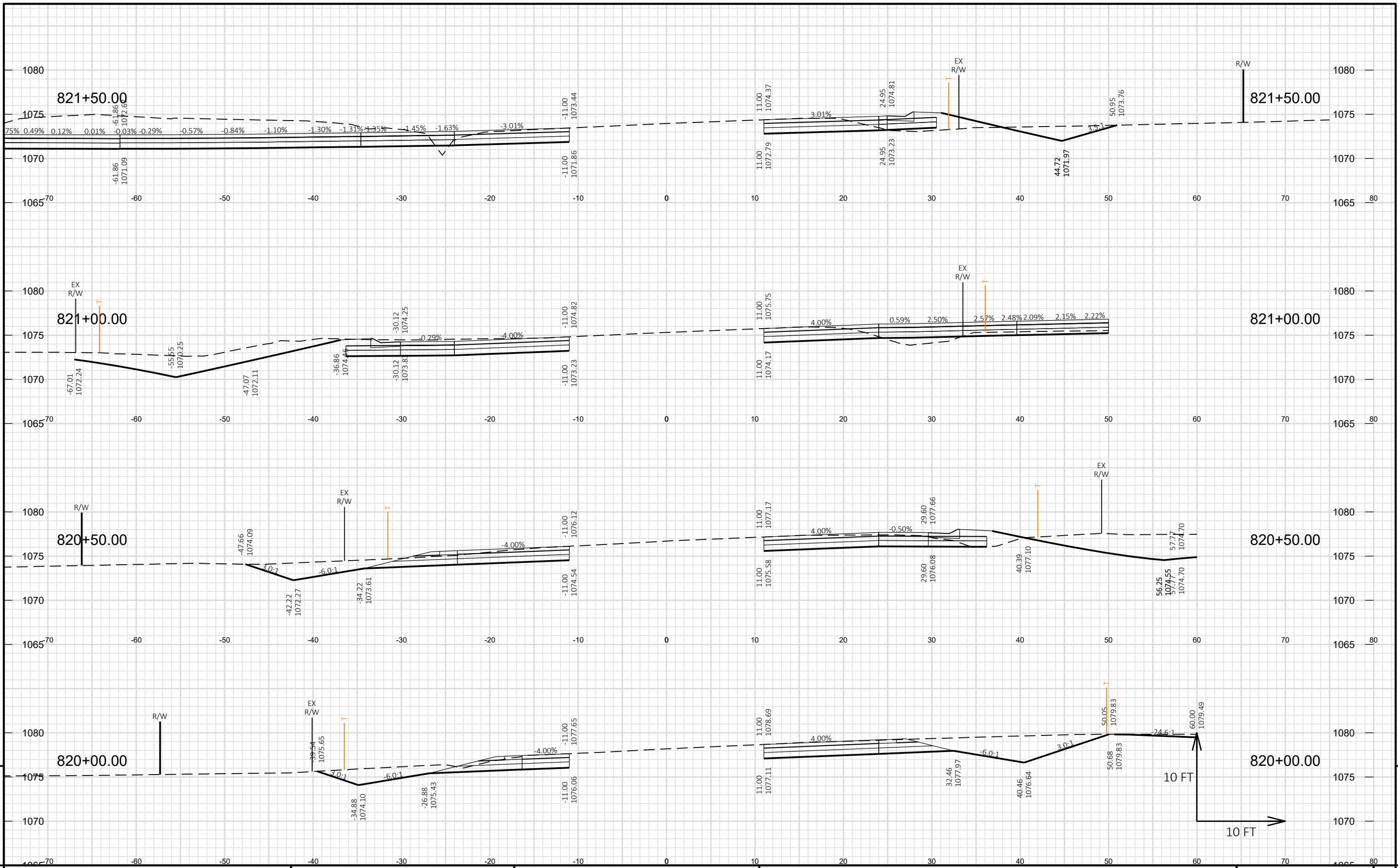
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PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: STH 175      SHEET 53 E

FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:21 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49



PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: STH 175      SHEET 54 E

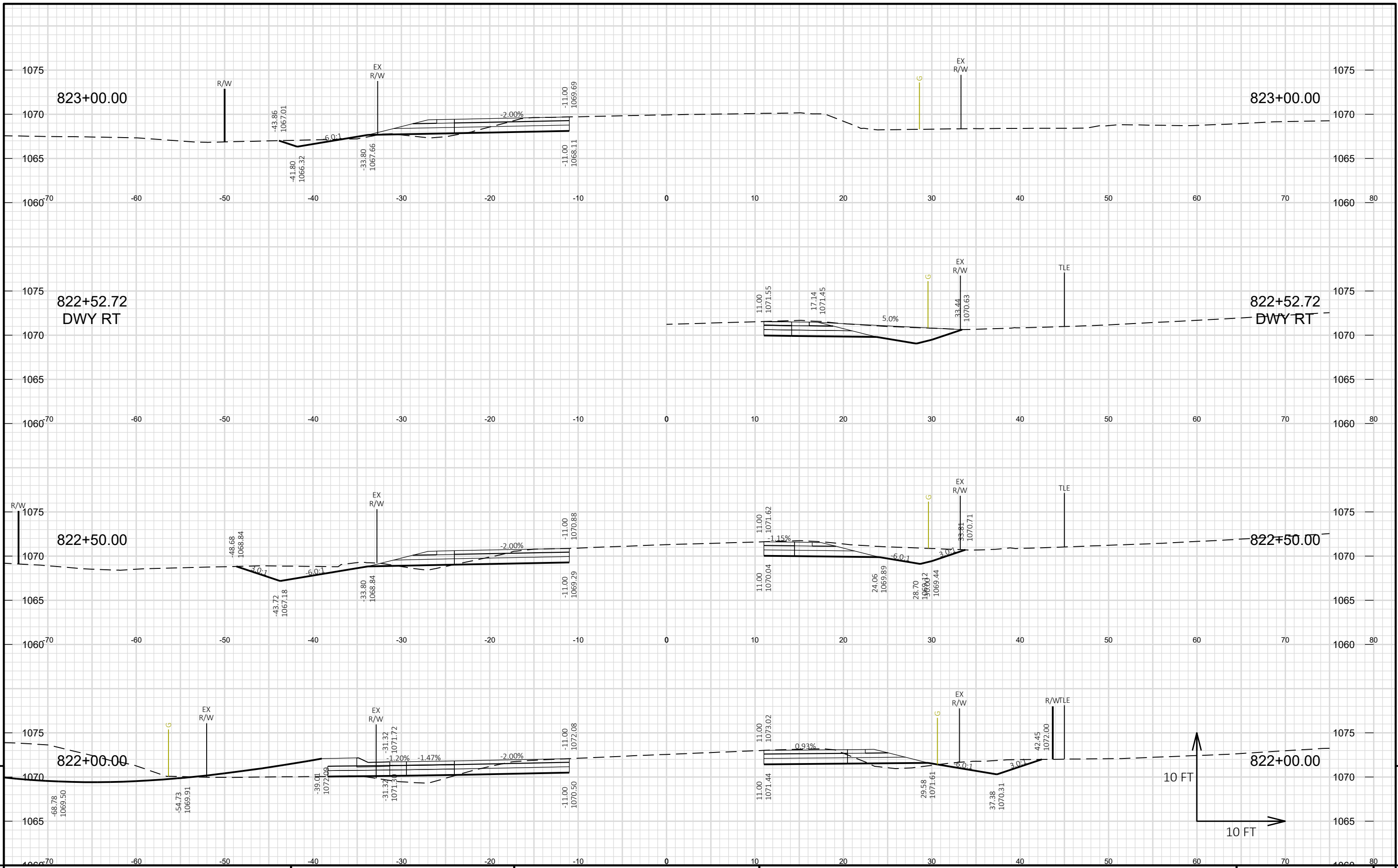


PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: STH 175      SHEET 55 E

FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:22 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49

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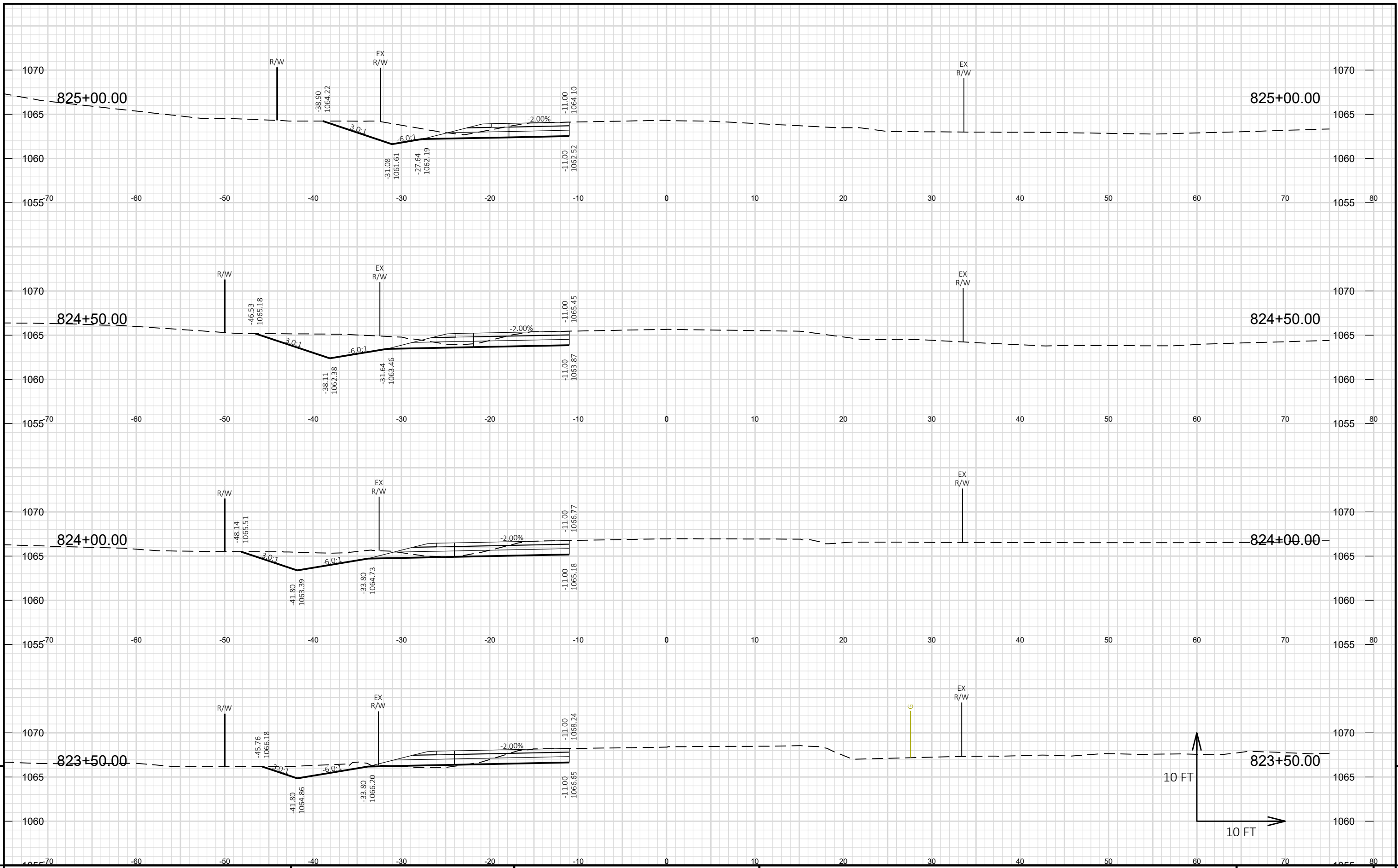
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PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: STH 175      SHEET 56 E

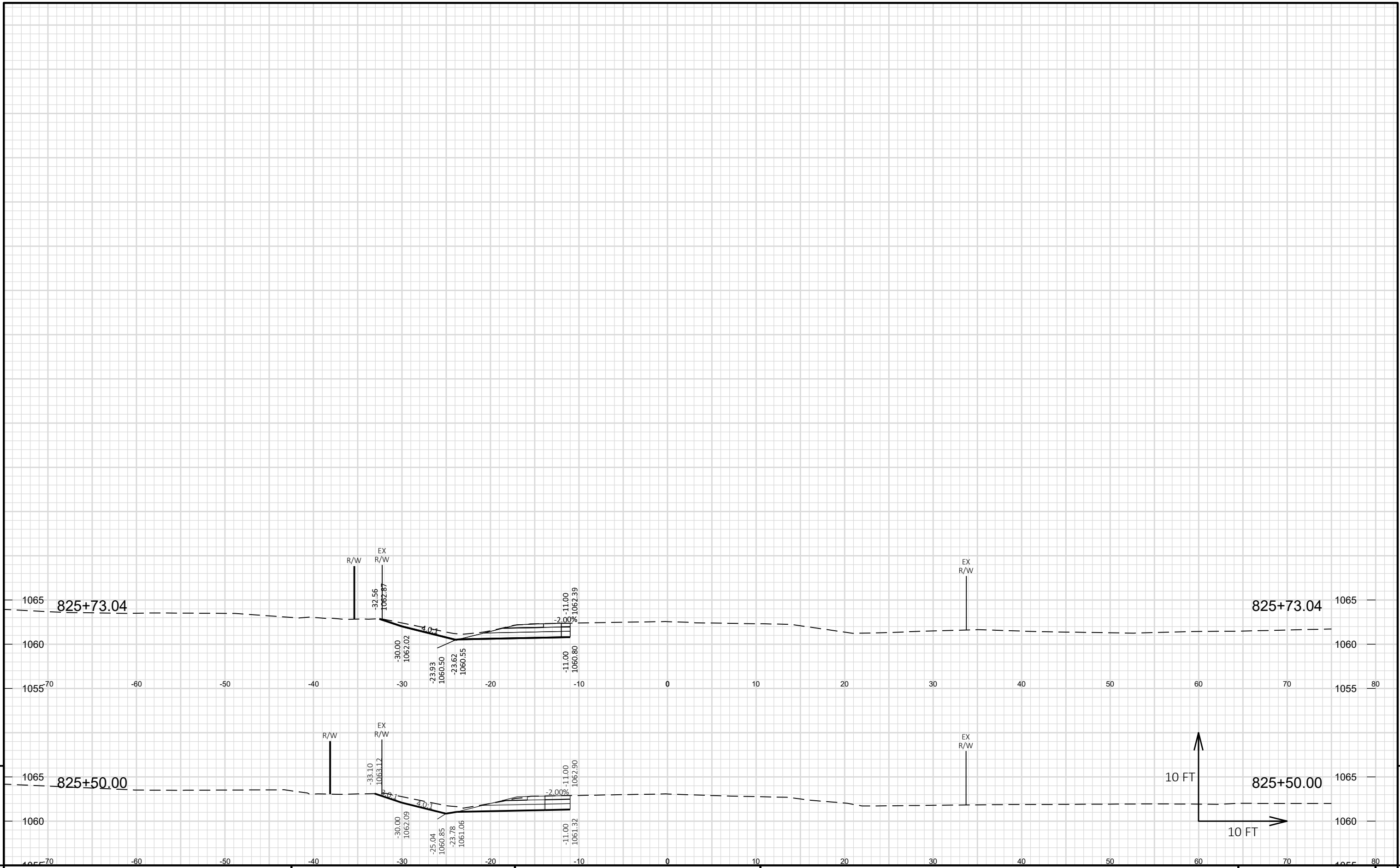
FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:22 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49





PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: STH 175      SHEET 57 **E**

FILE NAME: S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE: 7/25/2023 2:22 PM      PLOT BY: BENJAMIN OITZINGER      PLOT NAME:      PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49



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PROJECT NO: HWY24-02      HWY: CTH S      COUNTY: WASHINGTON      CROSS SECTIONS: STH 175      SHEET 58 E

FILE NAME : S:\CURRPROJ\WASHINCO\CTH S-STH 175\CIVIL3D\CTH S-STH 175\SHEETS\S-175-090201-XS.DWG      PLOT DATE : 7/25/2023 2:22 PM      PLOT BY : BENJAMIN OITZINGER      PLOT NAME :      PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.      WISDOT/CADD SHEET 49