INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
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	AL1-D - AL3-D	ALIGNMENT & RIGHT OF WAY PLAN
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PLAN REFERENCE NO.

SHEET OF SHEETS

NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

CONCEPTUAL
NOT FOR CONSTRUCTION

SR 16 MP 27.10

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DESIGNED BY	P. WILSON
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CHECKED BY	R. PARKER
PROJ. ENGR.	M. STEINGREBE
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

JOB NUMBER

CONTRACT NO.

LOCATION NO. XL6547

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

Parametrix

SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

INDEX - CROSSING D

PLAN REF. NO. IN1-D

SHEET OF SHEETS

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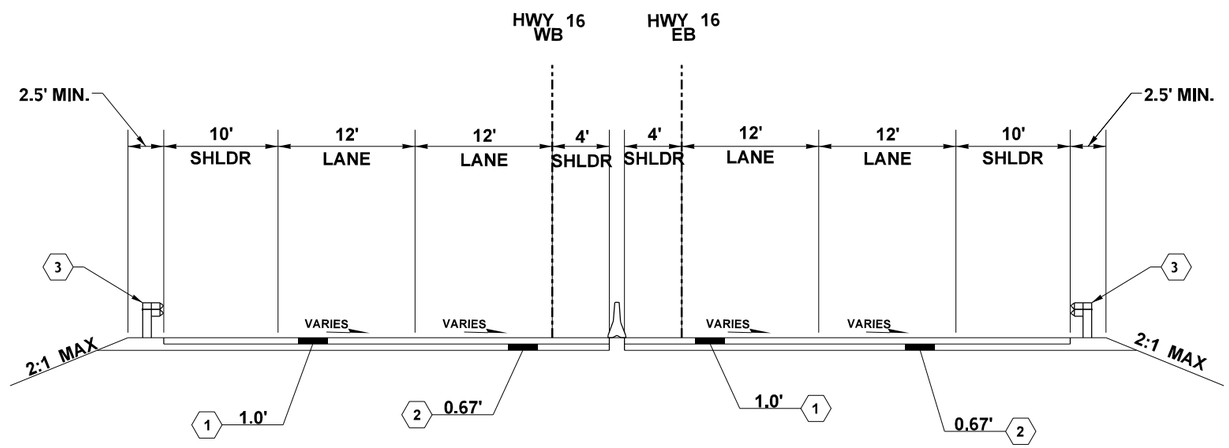

ROADWAY SECTION D1

HWY 16 RECONSTRUCTION
UNNAMED TRIBUTARY TO ROSS CREEK
EB STA: 409+00.17 TO 412+65.58
415+94.12 TO 419+88.68
WB STA: 459+04.24 TO 462+71.71
466+01.94 TO 469+98.21

LEGEND

1. HMA CL. 1/2" PG 58H-22
2. CRUSHED SURFACING BASE COURSE
3. BEAM GUARDRAIL

NOT TO SCALE

SR 16 MP 27.10

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DESIGNED BY	S. FOHN						
ENTERED BY	P. WILSON						
CHECKED BY	R. PARKER				CONTRACT NO.		LOCATION NO. XL6547
PROJ. ENGR.	M. STEINGREBE						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

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GORST VICINITY -
REMOVE FISH BARRIERS

ROADWAY SECTIONS

PLAN REF NO RS1-D

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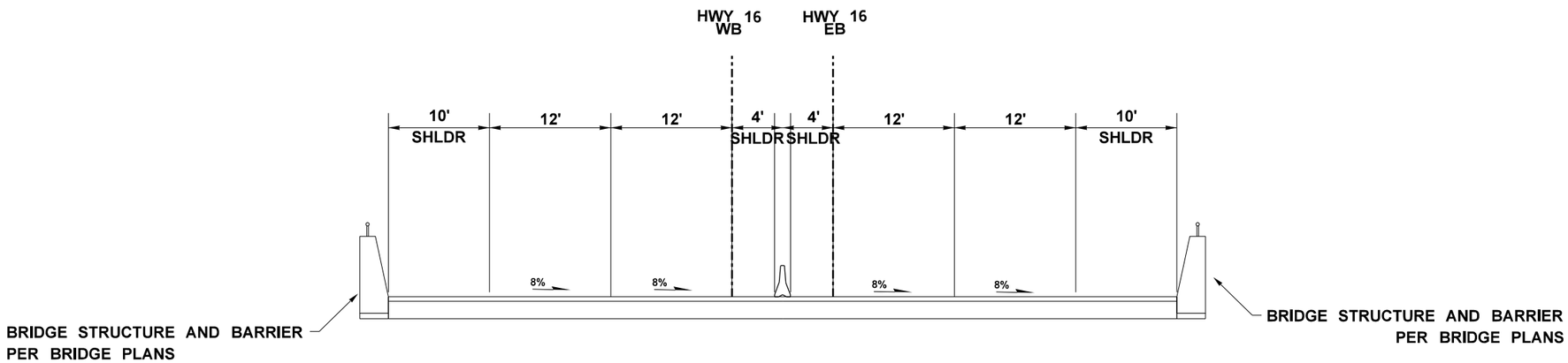

BRIDGE SECTION D

HWY 16 RECONSTRUCTION
UNNAMED TRIBUTARY TO ROSS CREEK
EB STA: 412+65.58 TO 415+94.12
WB STA: 462+71.71 TO 466+01.94

LEGEND

1. HMA CL. 1/2" PG 58H-22
2. CRUSHED SURFACING BASE COURSE
4. BEAM GUARDRAIL

NOT TO SCALE

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PROJ. ENGR.	M. STEINGREBE
REGIONAL ADM.	S. ROARK

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
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SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

ROADWAY SECTIONS

PLAN REF NO RS2-D

SHEET OF SHEETS

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T.24N. R.1E. W.M.

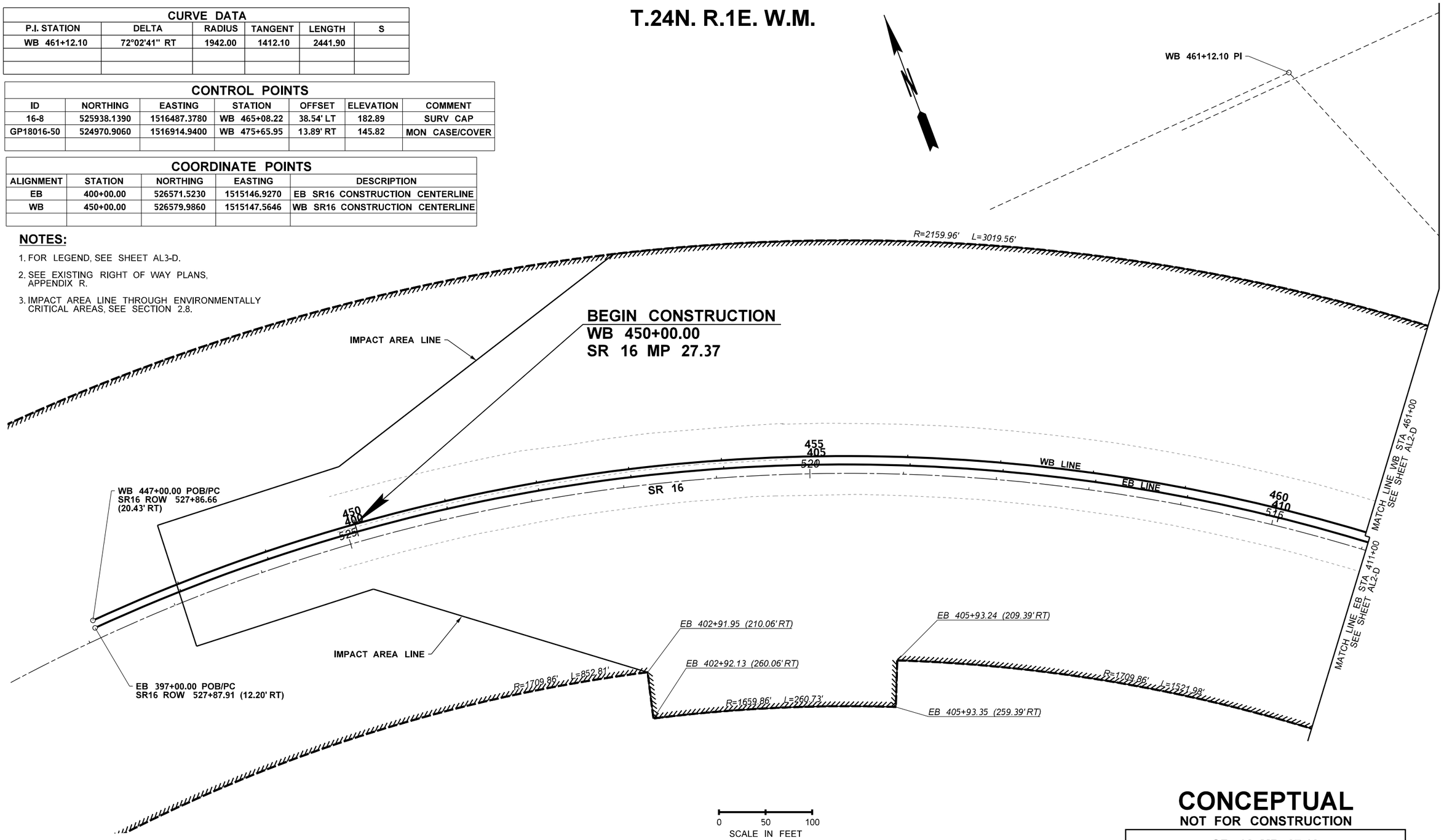
CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
WB 461+12.10	72°02'41" RT	1942.00	1412.10	2441.90	

CONTROL POINTS						
ID	NORTHING	EASTING	STATION	OFFSET	ELEVATION	COMMENT
16-8	525938.1390	1516487.3780	WB 465+08.22	38.54' LT	182.89	SURV CAP
GP18016-50	524970.9060	1516914.9400	WB 475+65.95	13.89' RT	145.82	MON CASE/COVER

COORDINATE POINTS				
ALIGNMENT	STATION	NORTHING	EASTING	DESCRIPTION
EB	400+00.00	526571.5230	1515146.9270	EB SR16 CONSTRUCTION CENTERLINE
WB	450+00.00	526579.9860	1515147.5646	WB SR16 CONSTRUCTION CENTERLINE

NOTES:

1. FOR LEGEND, SEE SHEET AL3-D.
2. SEE EXISTING RIGHT OF WAY PLANS, APPENDIX R.
3. IMPACT AREA LINE THROUGH ENVIRONMENTALLY CRITICAL AREAS, SEE SECTION 2.8.



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PROJ. ENGR.	M. STEINGREBE						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

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SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

ALIGNMENT & RIGHT OF WAY PLAN

PLAN REF NO
AL1-D

SHEET
OF
SHEETS

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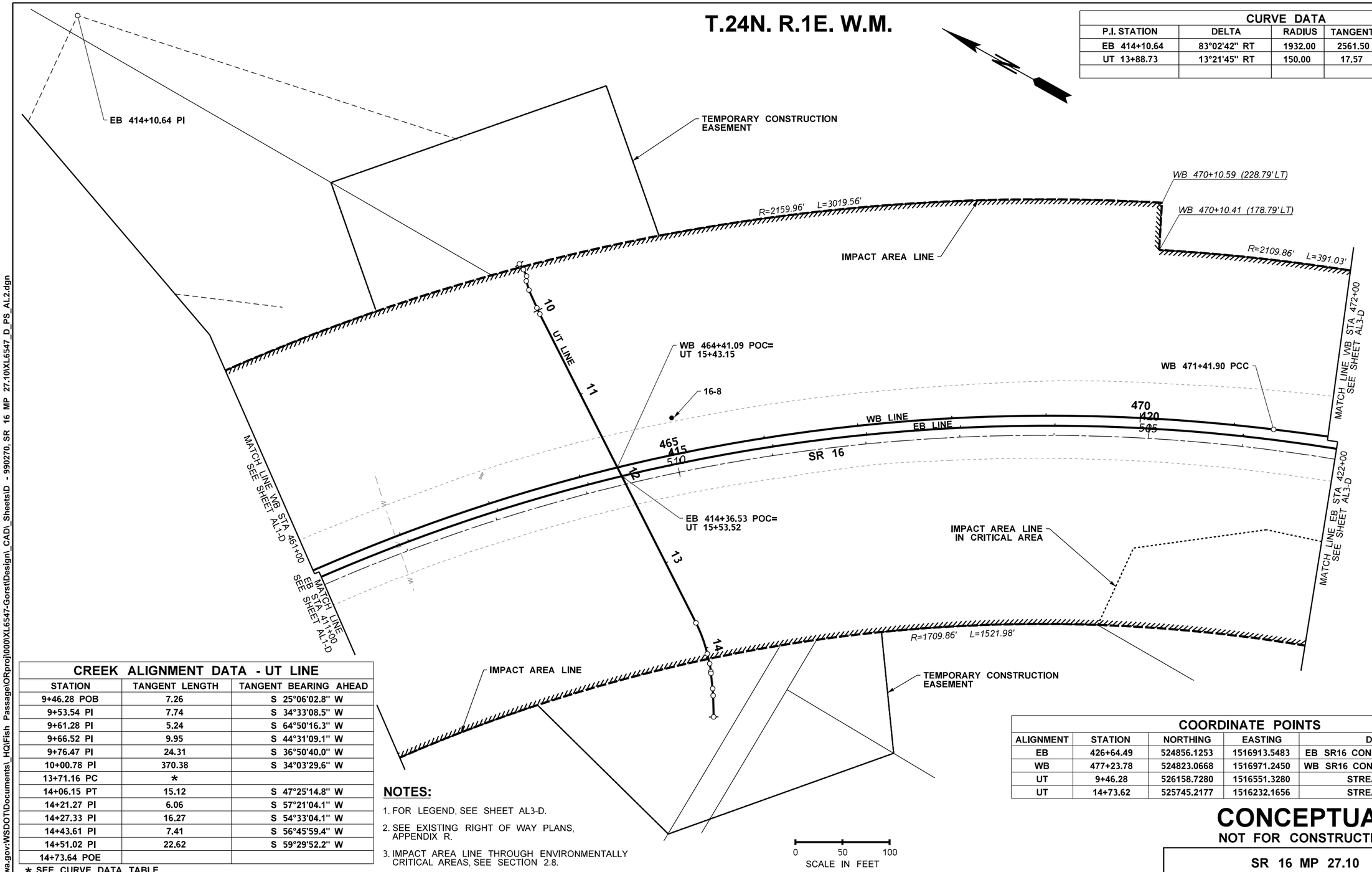
T.24N. R.1E. W.M.

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
EB 414+10.64	83°02'42" RT	1932.00	2561.50	2900.26	
UT 13+88.73	13°21'45" RT	150.00	17.57	34.98	



CREEK ALIGNMENT DATA - UT LINE		
STATION	TANGENT LENGTH	TANGENT BEARING AHEAD
9+46.28 POB	7.26	S 25°06'02.8" W
9+53.54 PI	7.74	S 34°33'08.5" W
9+61.28 PI	5.24	S 64°50'16.3" W
9+66.52 PI	9.95	S 44°31'09.1" W
9+76.47 PI	24.31	S 36°50'40.0" W
10+00.78 PI	370.38	S 34°03'29.6" W
13+71.16 PC	*	
14+06.15 PT	15.12	S 47°25'14.8" W
14+21.27 PI	6.06	S 57°21'04.1" W
14+27.33 PI	16.27	S 54°33'04.1" W
14+43.61 PI	7.41	S 56°45'59.4" W
14+51.02 PI	22.62	S 59°29'52.2" W
14+73.64 POE		

* SEE CURVE DATA TABLE

NOTES:

1. FOR LEGEND, SEE SHEET AL3-D.
2. SEE EXISTING RIGHT OF WAY PLANS, APPENDIX R.
3. IMPACT AREA LINE THROUGH ENVIRONMENTALLY CRITICAL AREAS, SEE SECTION 2.8.

COORDINATE POINTS				
ALIGNMENT	STATION	NORTHING	EASTING	DESCRIPTION
EB	426+64.49	524856.1253	1516913.5483	EB SR16 CONSTRUCTION CENTERLINE
WB	477+23.78	524823.0668	1516971.2450	WB SR16 CONSTRUCTION CENTERLINE
UT	9+46.28	526158.7280	1516551.3280	STREAM ALIGNMENT
UT	14+73.62	525745.2177	1516232.1656	STREAM ALIGNMENT

CONCEPTUAL
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SR 16 MP 27.10

SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

ALIGNMENT & RIGHT OF WAY PLAN

PLAN REF NO
AL2-D

SHEET
OF
SHEETS

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PROJ. ENGR.	M. STEINGREBE				
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
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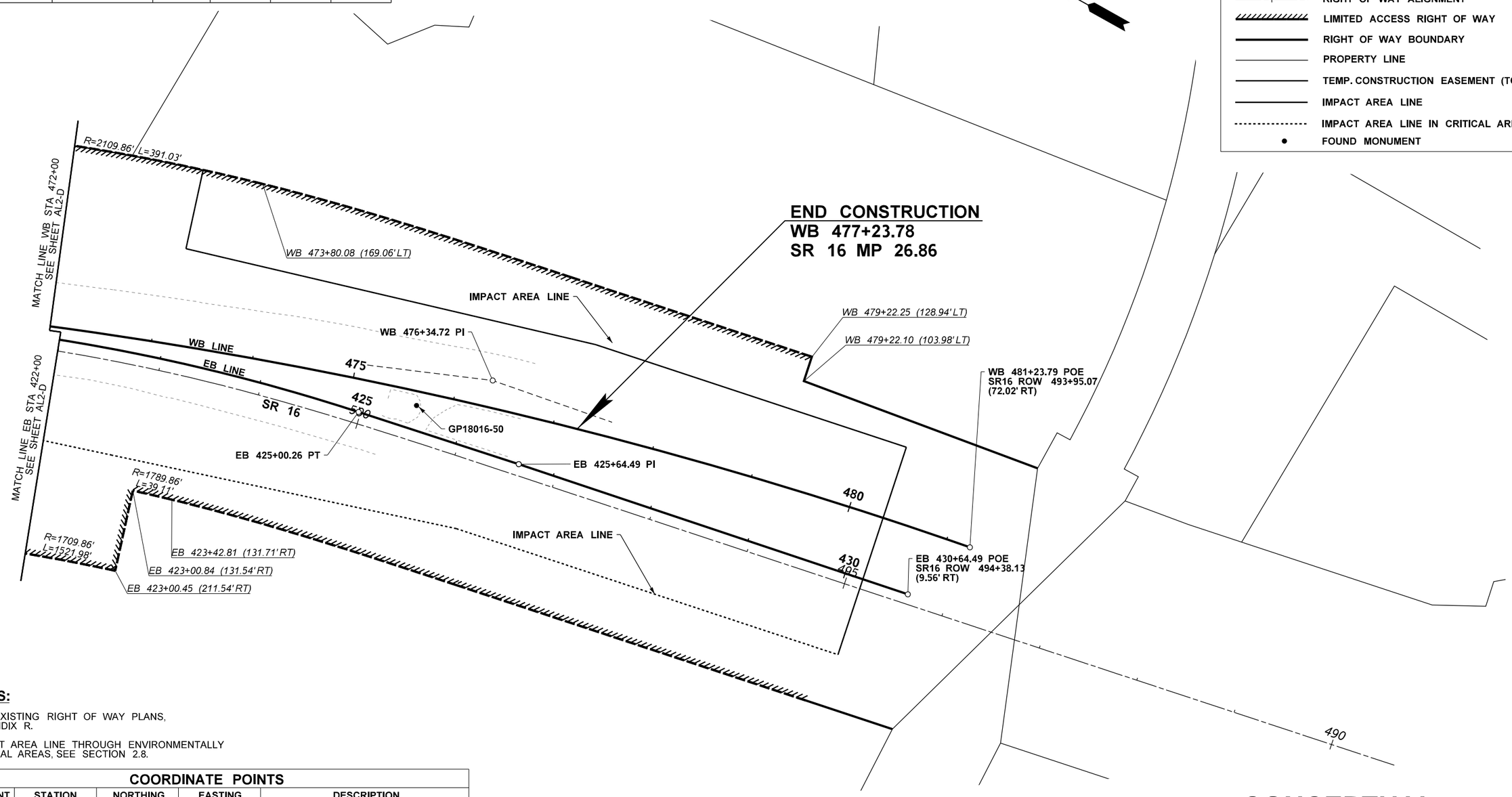
CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
WB 476+34.72	12°14'26" RT	4596.00	492.83	981.88	

T.24N. R.1E. W.M.

LEGEND

- 110 — CONSTRUCTION ALIGNMENT
- 110 — RIGHT OF WAY ALIGNMENT
- LIMITED ACCESS RIGHT OF WAY
- RIGHT OF WAY BOUNDARY
- PROPERTY LINE
- TEMP. CONSTRUCTION EASEMENT (TCE)
- IMPACT AREA LINE
- IMPACT AREA LINE IN CRITICAL AREA
- FOUND MONUMENT



NOTES:

1. SEE EXISTING RIGHT OF WAY PLANS, APPENDIX R.
2. IMPACT AREA LINE THROUGH ENVIRONMENTALLY CRITICAL AREAS, SEE SECTION 2.8.

COORDINATE POINTS				
ALIGNMENT	STATION	NORTHING	EASTING	DESCRIPTION
EB	426+64.49	524856.1253	1516913.5483	EB SR16 CONSTRUCTION CENTERLINE
WB	477+23.78	524823.0668	1516971.2450	WB SR16 CONSTRUCTION CENTERLINE
UT	9+46.28	526158.7280	1516551.3280	STREAM ALIGNMENT
UT	14+73.62	525745.2177	1516232.1656	STREAM ALIGNMENT

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CONCEPTUAL
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PROJ. ENGR.	M. STEINGREBE
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

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SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

ALIGNMENT & RIGHT OF WAY PLAN

PLAN REF NO AL3-D

SHEET OF SHEETS

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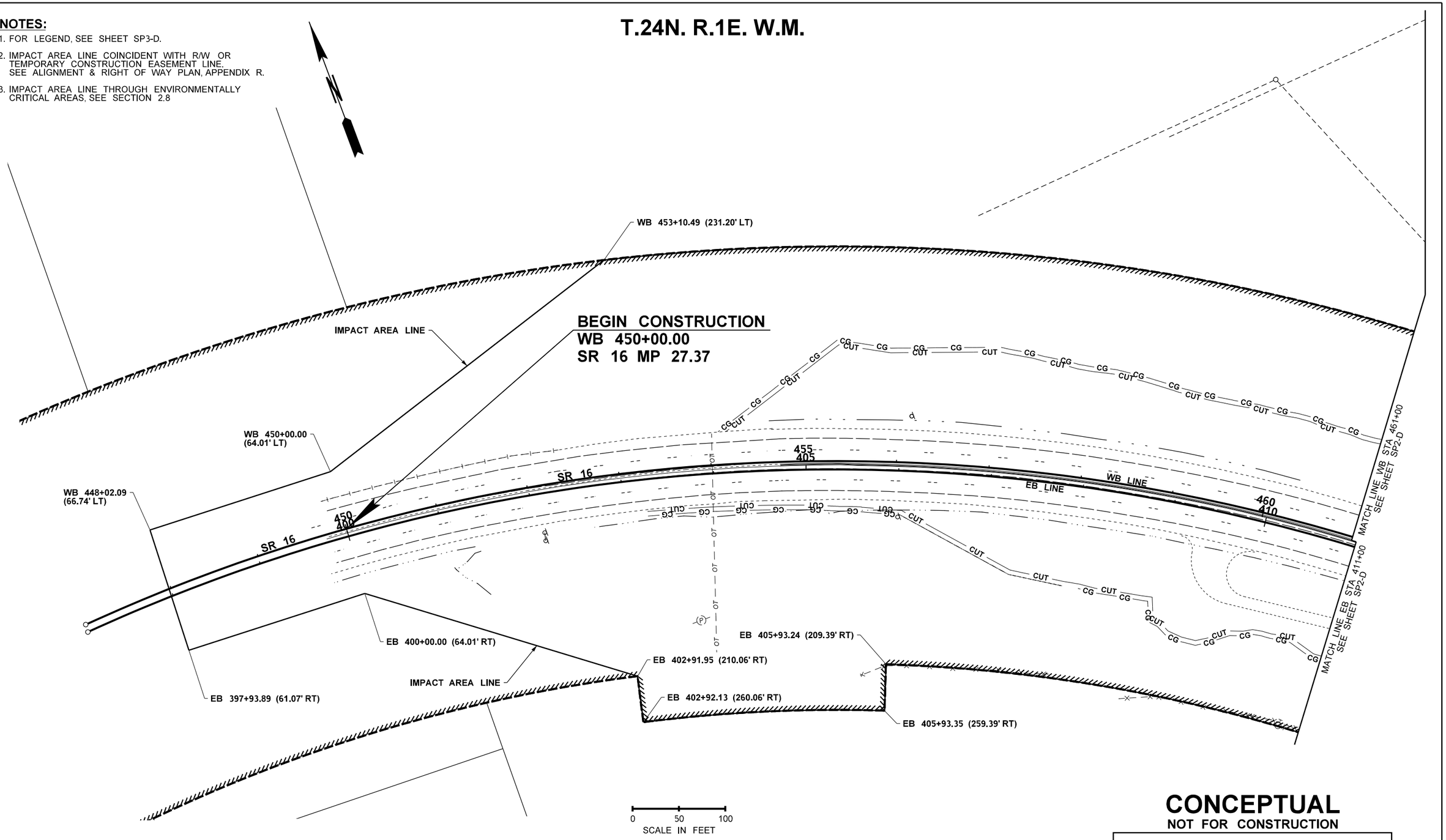
NOTES:

1. FOR LEGEND, SEE SHEET SP3-D.
2. IMPACT AREA LINE COINCIDENT WITH R/W OR TEMPORARY CONSTRUCTION EASEMENT LINE. SEE ALIGNMENT & RIGHT OF WAY PLAN, APPENDIX R.
3. IMPACT AREA LINE THROUGH ENVIRONMENTALLY CRITICAL AREAS, SEE SECTION 2.8



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PROJ. ENGR.	M. STEINGREBE						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.

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Washington State Department of Transportation

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SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

SITE PREPARATION PLAN

PLAN REF NO SP1-D

SHEET OF SHEETS

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T.24N. R.1E. W.M.

NOTES:

1. FOR LEGEND, SEE SHEET SP3-D.
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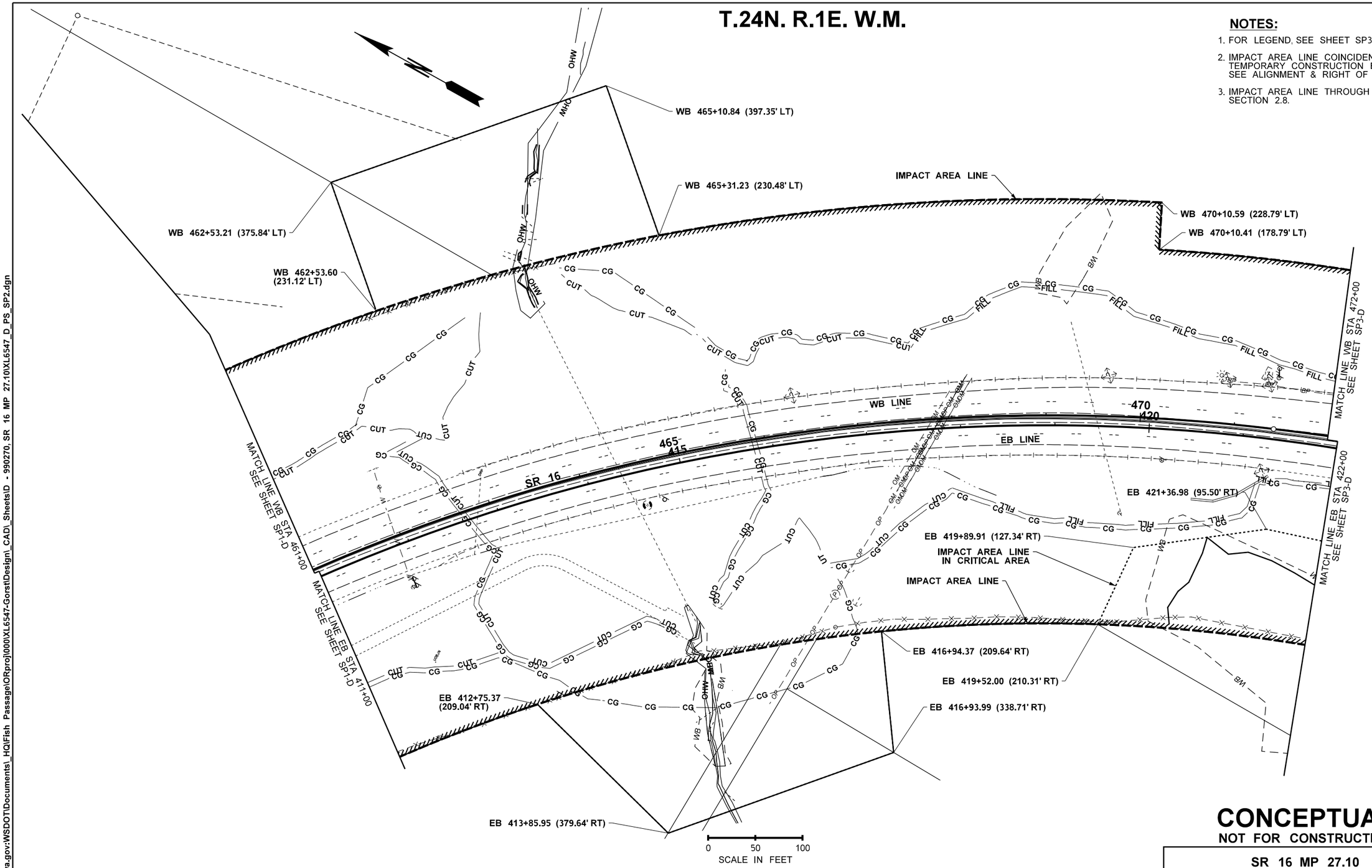
3. IMPACT AREA LINE THROUGH CRITICAL AREAS, SEE SECTION 2.8.



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PROJ. ENGR.	M. STEINGREBE						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
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Washington State Department of Transportation

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SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

SITE PREPARATION PLAN

PLAN REF NO SP2-D

SHEET OF SHEETS

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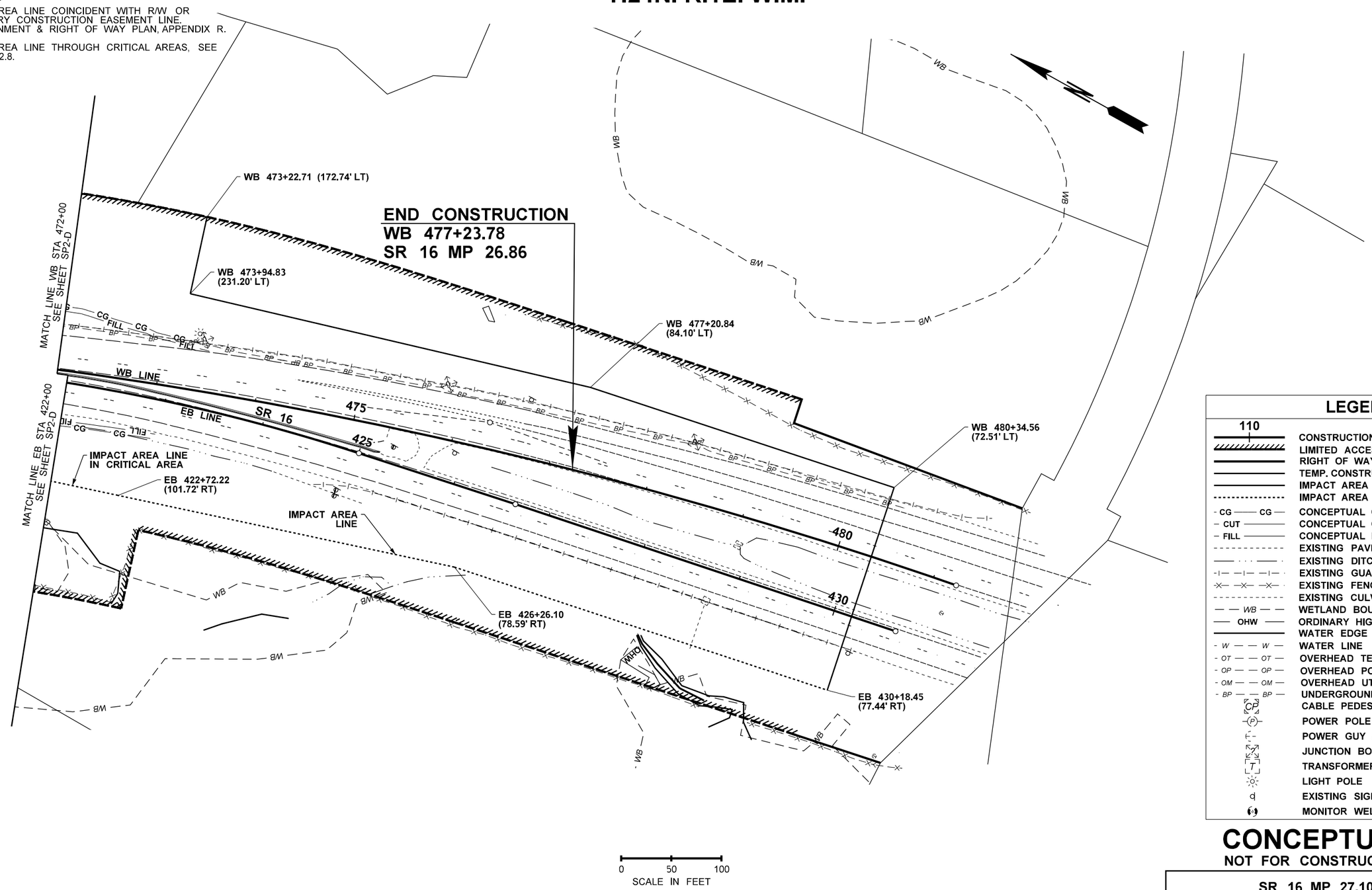
T.24N. R.1E. W.M.

NOTES:

1. IMPACT AREA LINE COINCIDENT WITH R/W OR TEMPORARY CONSTRUCTION EASEMENT LINE. SEE ALIGNMENT & RIGHT OF WAY PLAN, APPENDIX R.
2. IMPACT AREA LINE THROUGH CRITICAL AREAS, SEE SECTION 2.8.



LEGEND

110	CONSTRUCTION ALIGNMENT
	LIMITED ACCESS RIGHT OF WAY
	RIGHT OF WAY BOUNDARY
	TEMP. CONSTRUCTION EASEMENT
	IMPACT AREA LINE
	IMPACT AREA LINE IN CRITICAL AREA
CG — CG	CONCEPTUAL CLEARING AND GRUBBING
CUT	CONCEPTUAL CUT LIMITS
FILL	CONCEPTUAL FILL LIMITS
	EXISTING PAVED EDGE
	EXISTING DITCH BOTTOM
	EXISTING GUARDRAIL
	EXISTING FENCE
	EXISTING CULVERT
WB	WETLAND BOUNDARY
OHW	ORDINARY HIGH WATER
	WATER EDGE
W	WATER LINE
OT	OVERHEAD TELEPHONE LINE
OP	OVERHEAD POWER LINE
OM	OVERHEAD UTILITES (MUILTIPLE)
BP	UNDERGROUND POWERLINE
CP	CABLE PEDESTAL
P	POWER POLE
	POWER GUY ANCHOR
J	JUNCTION BOX
T	TRANSFORMER
	LIGHT POLE
d	EXISTING SIGN
	MONITOR WELL

CONCEPTUAL
NOT FOR CONSTRUCTION

SR 16 MP 27.10

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PROJ. ENGR.	M. STEINGREBE
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GORST VICINITY -
REMOVE FISH BARRIERS

SITE PREPARATION PLAN

PLAN REF NO SP3-D

SHEET OF SHEETS

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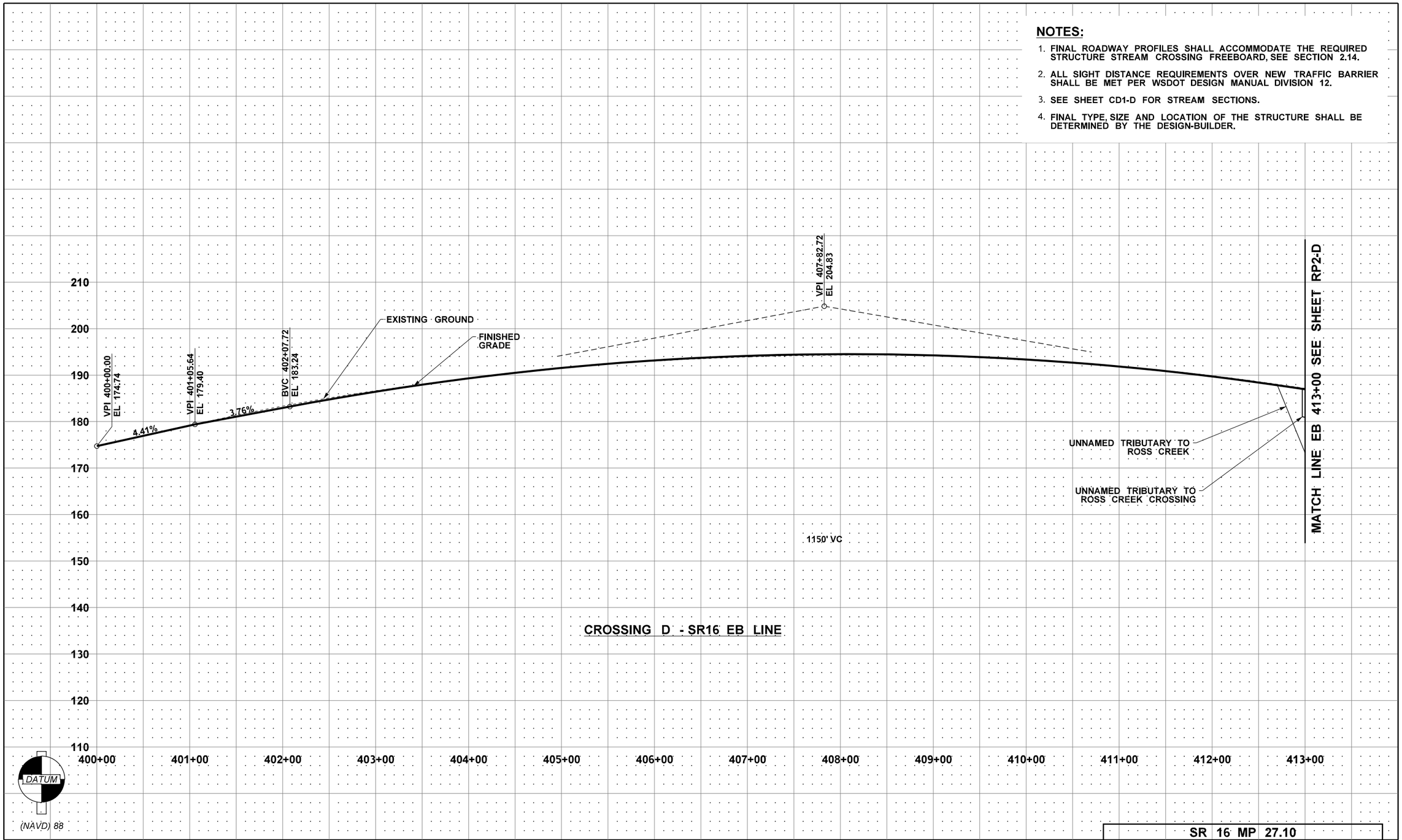
NOTES:

1. FINAL ROADWAY PROFILES SHALL ACCOMMODATE THE REQUIRED STRUCTURE STREAM CROSSING FREEBOARD, SEE SECTION 2.14.
2. ALL SIGHT DISTANCE REQUIREMENTS OVER NEW TRAFFIC BARRIER SHALL BE MET PER WSDOT DESIGN MANUAL DIVISION 12.
3. SEE SHEET CD1-D FOR STREAM SECTIONS.
4. FINAL TYPE, SIZE AND LOCATION OF THE STRUCTURE SHALL BE DETERMINED BY THE DESIGN-BUILDER.



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PROJ. ENGR.	M. STEINGREBE
REGIONAL ADM.	S. ROARK

REVISION	DATE	BY

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SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

ROADWAY PROFILES

PLAN REF. NO. RP1-D

SHEET OF SHEETS

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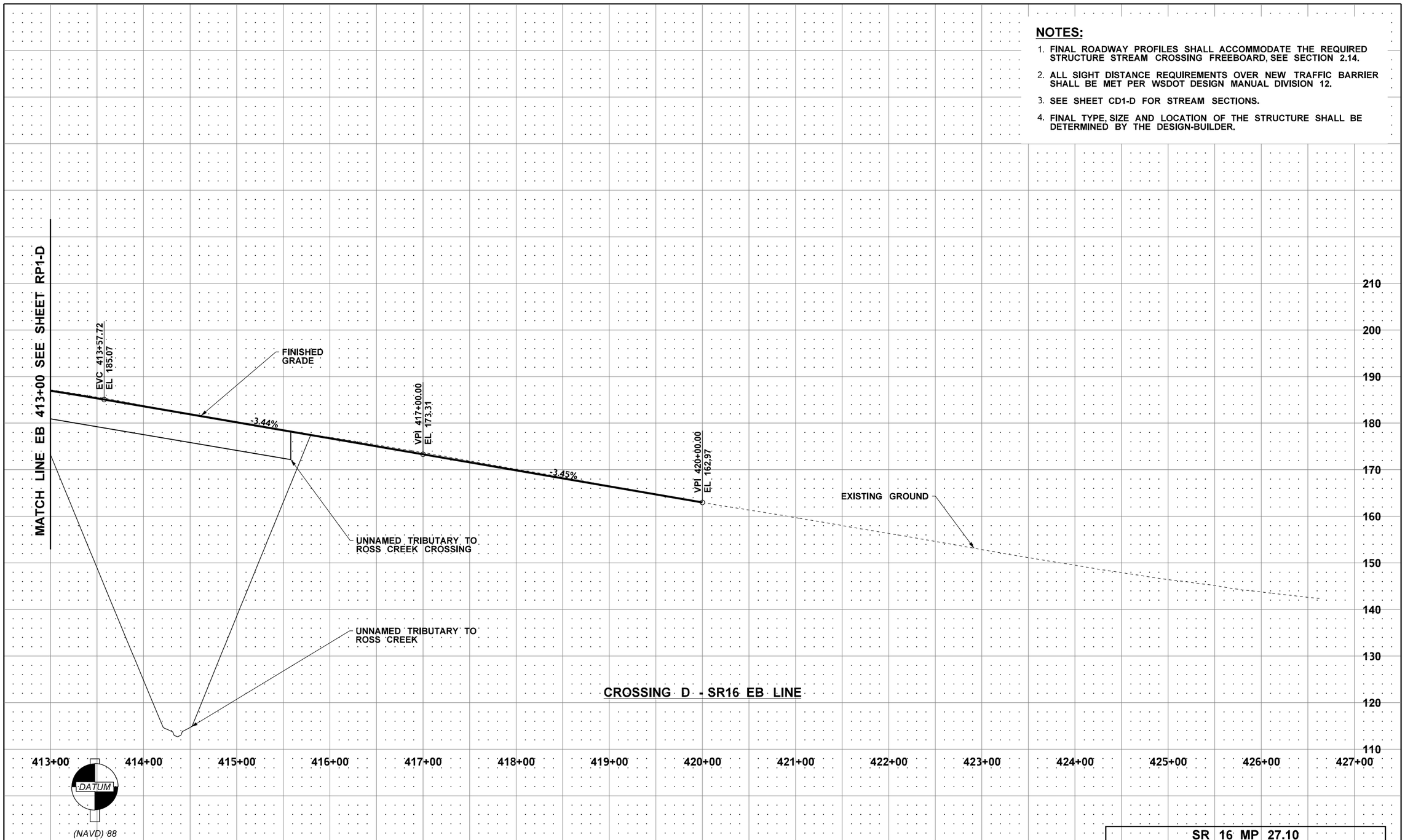

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CHECKED BY	R. PARKER				CONTRACT NO.		LOCATION NO. XL6547
PROJ. ENGR.	M. STEINGREBE						
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ROADWAY PROFILES

PLAN REF. NO. RP2-D

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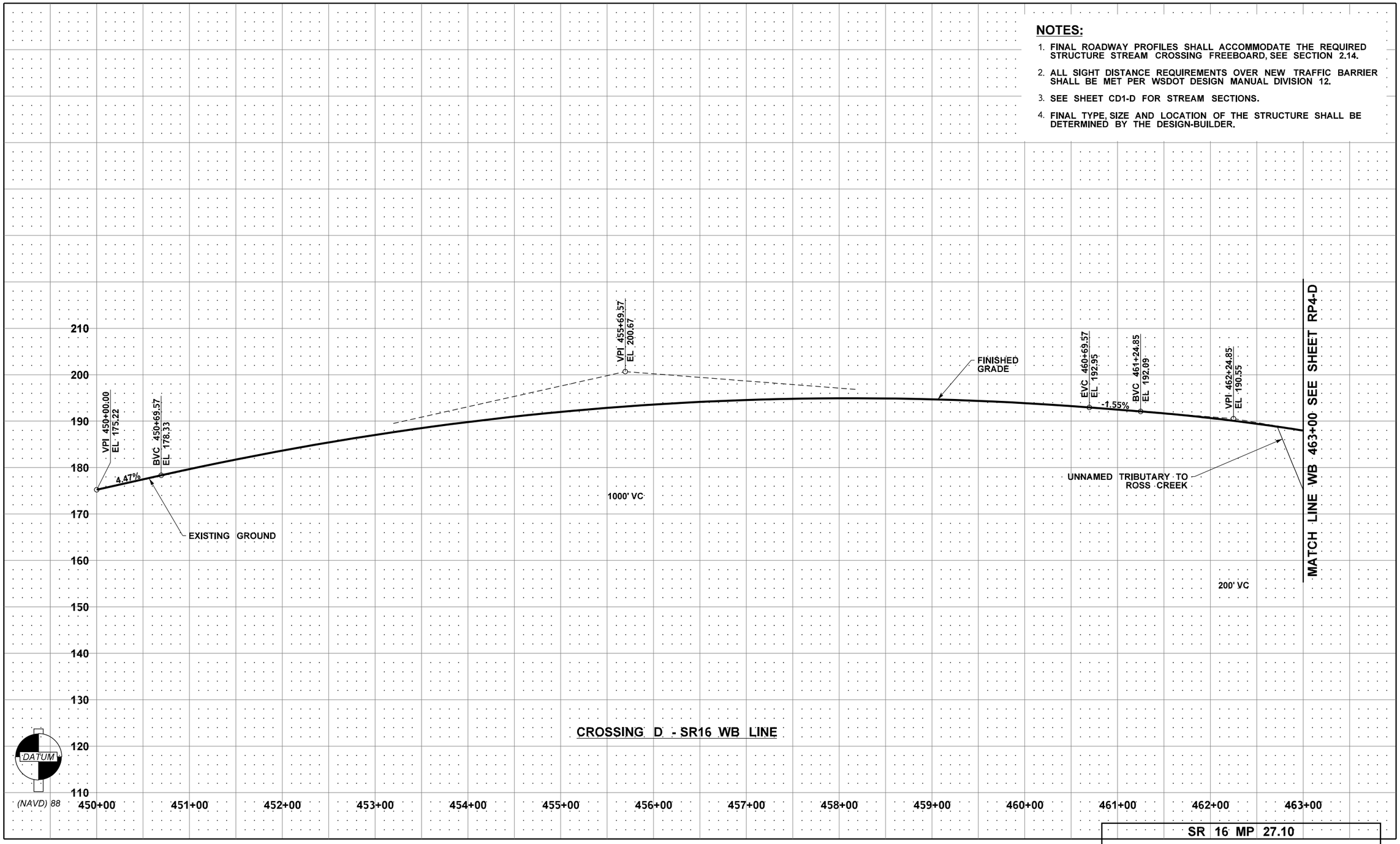
3. SEE SHEET CD1-D FOR STREAM SECTIONS.
4. FINAL TYPE, SIZE AND LOCATION OF THE STRUCTURE SHALL BE DETERMINED BY THE DESIGN-BUILDER.



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DATE	10/6/2023						
PLOTTED BY	wilsopau						
DESIGNED BY	S. FOHN				CONTRACT NO.		LOCATION NO. XL6547
ENTERED BY	P. WILSON						
CHECKED BY	R. PARKER						
PROJ. ENGR.	M. STEINGREBE						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

Parametrix

SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

ROADWAY PROFILES

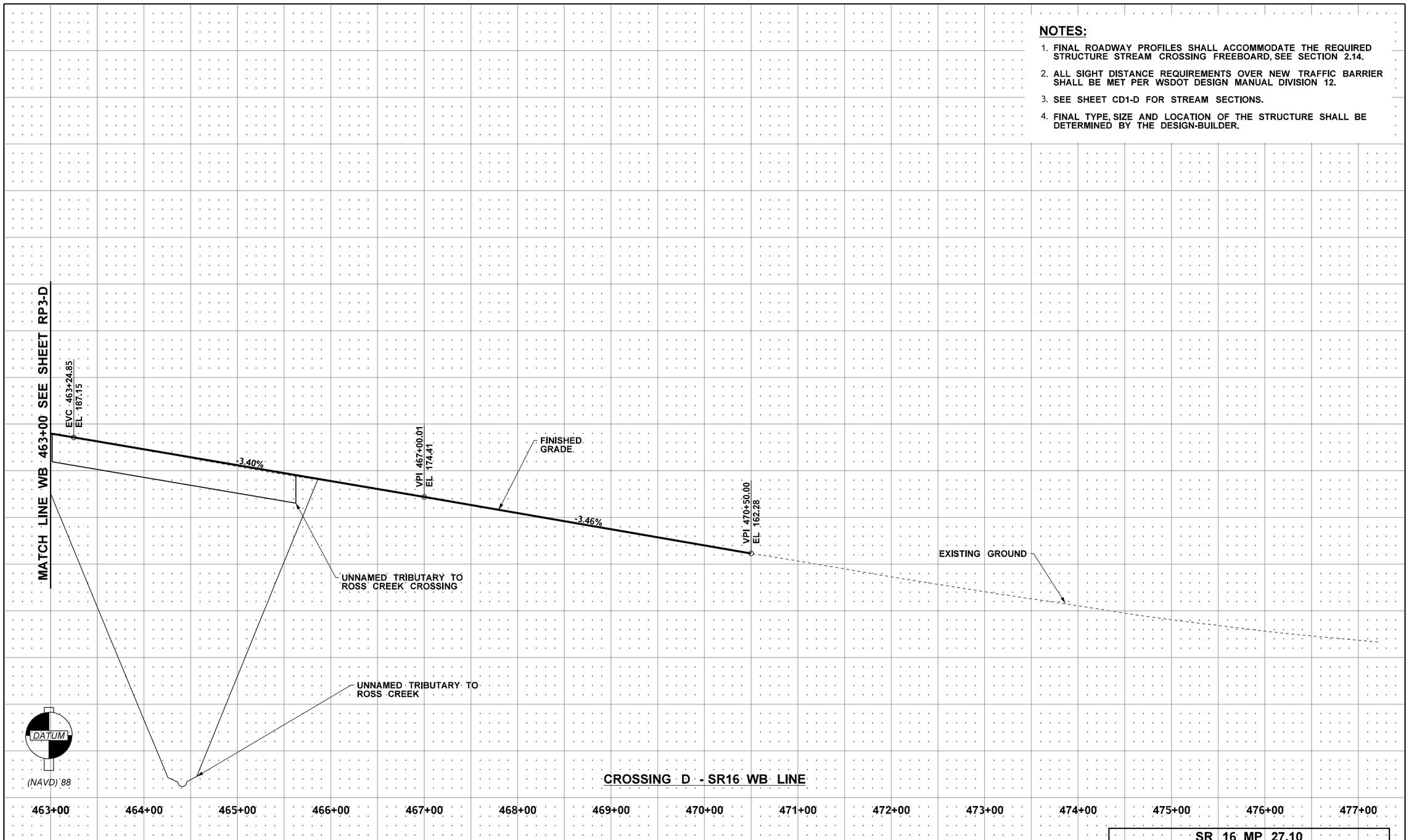
PLAN REF. NO. RP3-D

SHEET OF SHEETS

pw:\\projectstore.wsdot.wa.gov:WSDOT\Documents_HQ\Fish Passage\ORproj\000\XL6547-Gorst\Design_CAD_SheetsID - 990270, SR 16 MP 27.10\XL6547_D_PS_RP3.dgn

NOTES:

1. FINAL ROADWAY PROFILES SHALL ACCOMMODATE THE REQUIRED STRUCTURE STREAM CROSSING FREEBOARD, SEE SECTION 2.14.
2. ALL SIGHT DISTANCE REQUIREMENTS OVER NEW TRAFFIC BARRIER SHALL BE MET PER WSDOT DESIGN MANUAL DIVISION 12.
3. SEE SHEET CD1-D FOR STREAM SECTIONS.
4. FINAL TYPE, SIZE AND LOCATION OF THE STRUCTURE SHALL BE DETERMINED BY THE DESIGN-BUILDER.



SR 16 MP 27.10

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DESIGNED BY	S. FOHN				CONTRACT NO.		LOCATION NO. XL6547
ENTERED BY	P. WILSON						
CHECKED BY	R. PARKER						
PROJ. ENGR.	M. STEINGREBE						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

Parametrix

SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

ROADWAY PROFILES

PLAN REF. NO. RP4-D

SHEET OF SHEETS

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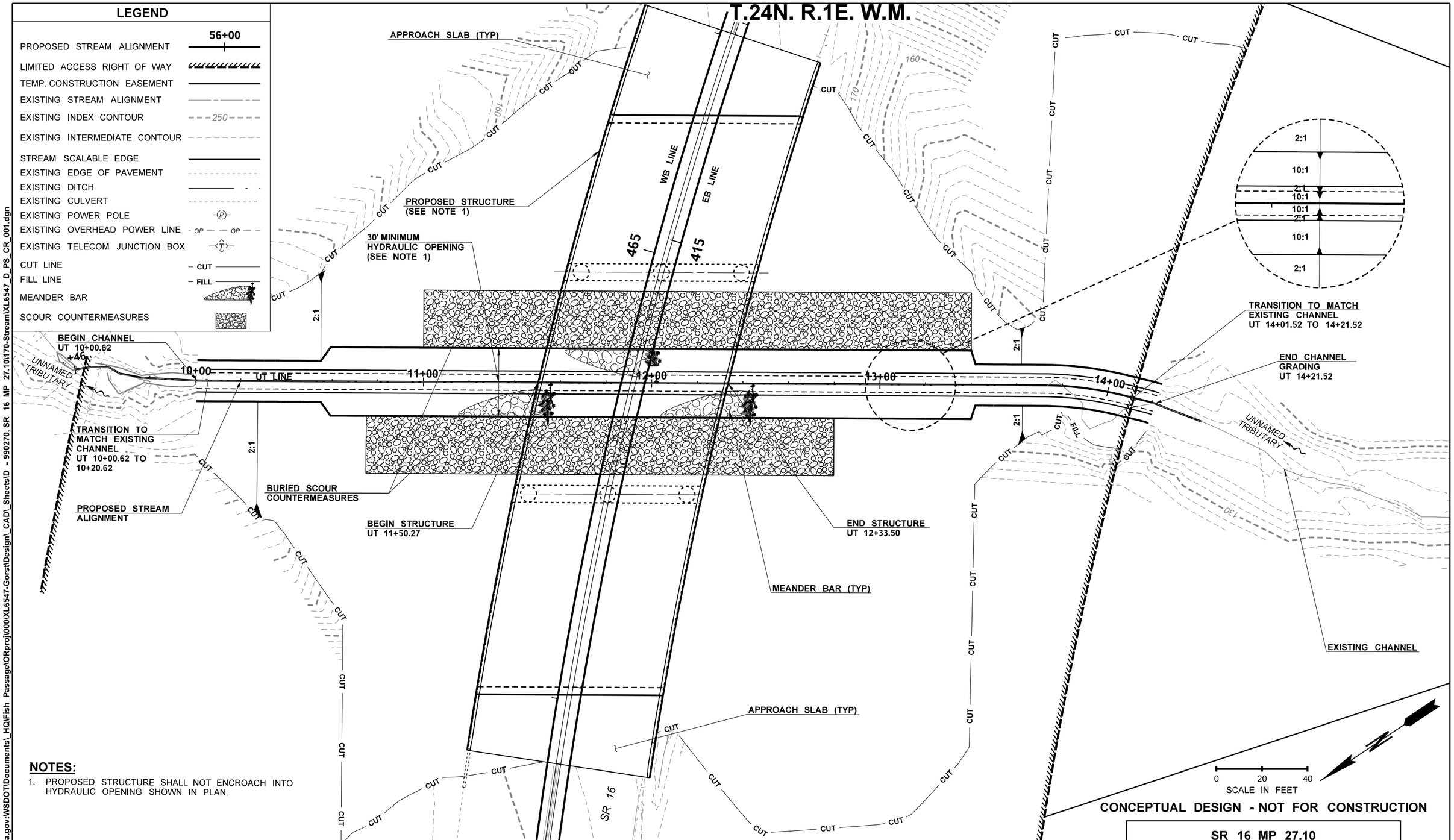

NOTES:

1. PROPOSED STRUCTURE SHALL NOT ENCROACH INTO HYDRAULIC OPENING SHOWN IN PLAN.

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

pw:\\projectstore.wsdot.wa.gov:WSDOT\Documents_HQ\Fish Passage\ORproj\000\XL6547-Gorst\Design_CAD_Sheets\D - 990270, SR 16 MP 27.10\170-Stream\XL6547_D_PS_CR_001.dgn

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TIME	9:28:43 AM
DATE	10/9/2023
PLOTTED BY	RSALEH
DESIGNED BY	S. BEVAN
ENTERED BY	R. SALEH
CHECKED BY	D. MINNER
PROJ. ENGR.	M. STEINGREBE
REGIONAL ADM.	S. ROARK

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER XXXXX		
CONTRACT NO.		LOCATION NO. XL6547

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

HDR

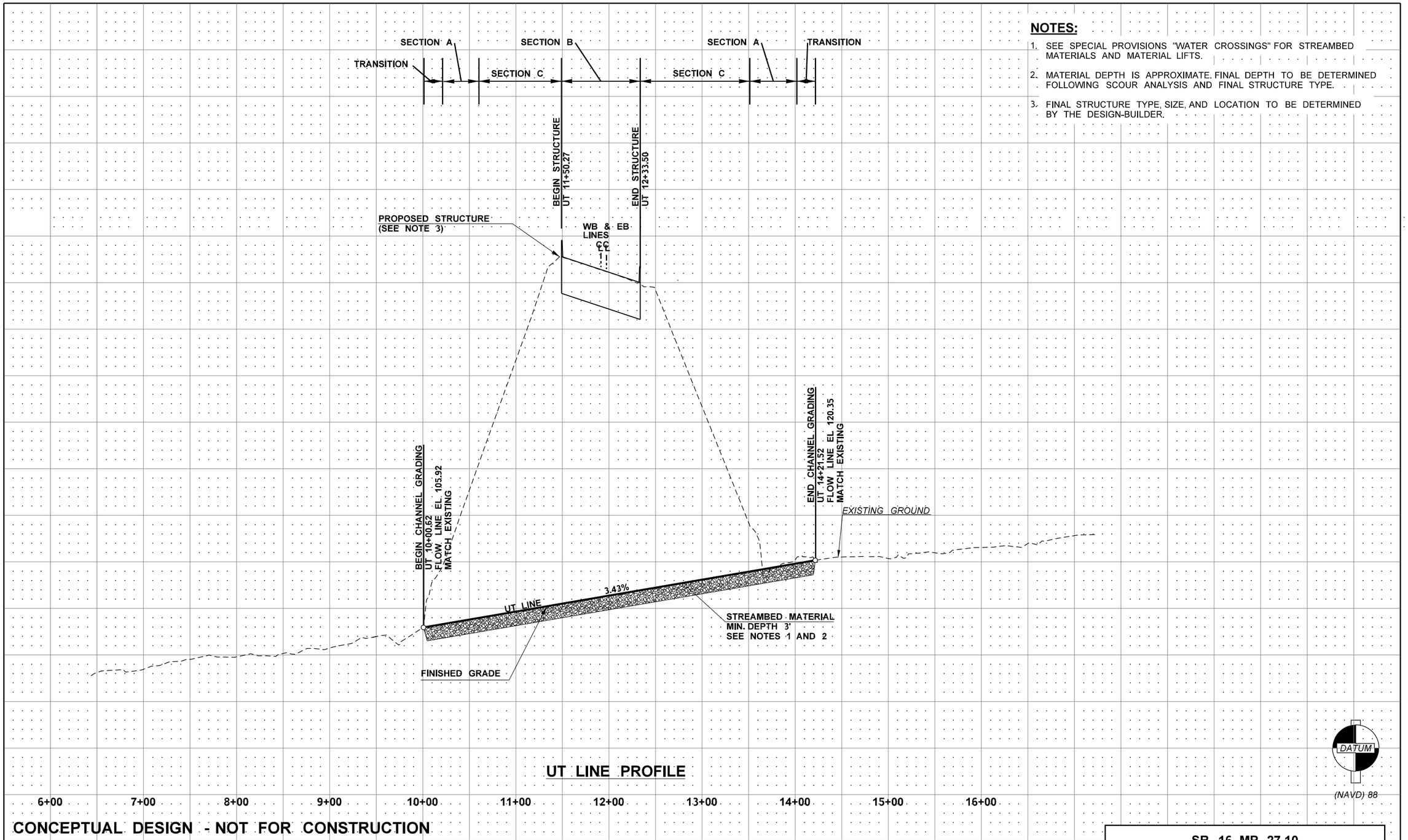
SR 16 MP 27.10

SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

STREAM PLAN

PLAN REF NO CR1-D

SHEET OF SHEETS



NOTES:

1. SEE SPECIAL PROVISIONS "WATER CROSSINGS" FOR STREAMBED MATERIALS AND MATERIAL LIFTS.
2. MATERIAL DEPTH IS APPROXIMATE. FINAL DEPTH TO BE DETERMINED FOLLOWING SCOUR ANALYSIS AND FINAL STRUCTURE TYPE.
3. FINAL STRUCTURE TYPE, SIZE, AND LOCATION TO BE DETERMINED BY THE DESIGN-BUILDER.

UT LINE PROFILE

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

pw:\\projectstore.wsdot.wa.gov:WSDOT\Documents_HQ\Fish Passage\ORproj\000\XL6547-Gorst\tDesign_CAD_SheetsID - 990270, SR 16 MP 27.10\170-Stream\XL6547_D_PS_PR_CP_001.dgn

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DESIGNED BY	S. BEVAN
ENTERED BY	R. SALEH
CHECKED BY	D. MINNER
PROJ. ENGR.	M. STEINGREBE
REGIONAL ADM.	S. ROARK

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER XXXXX		
CONTRACT NO.		LOCATION NO. XL6547

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

HDR

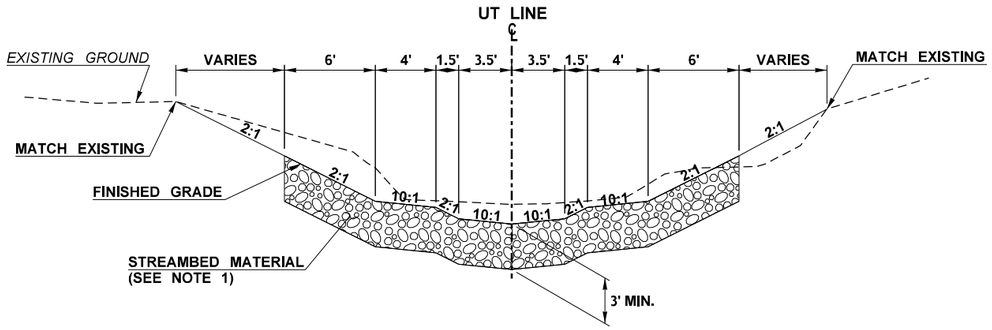
SR 16 MP 27.10

SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

STREAM PROFILE

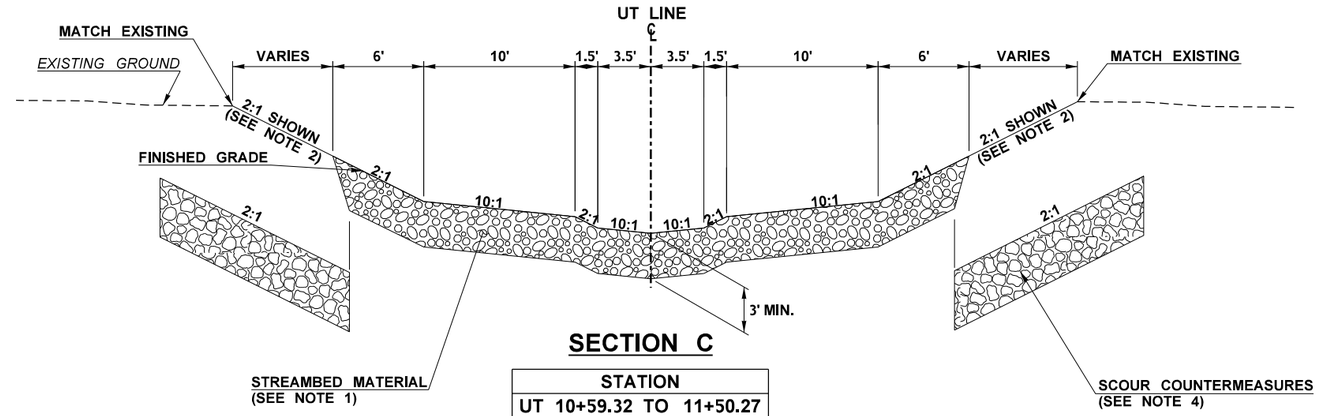
PLAN REF. NO. CP1-D

SHEET OF SHEETS



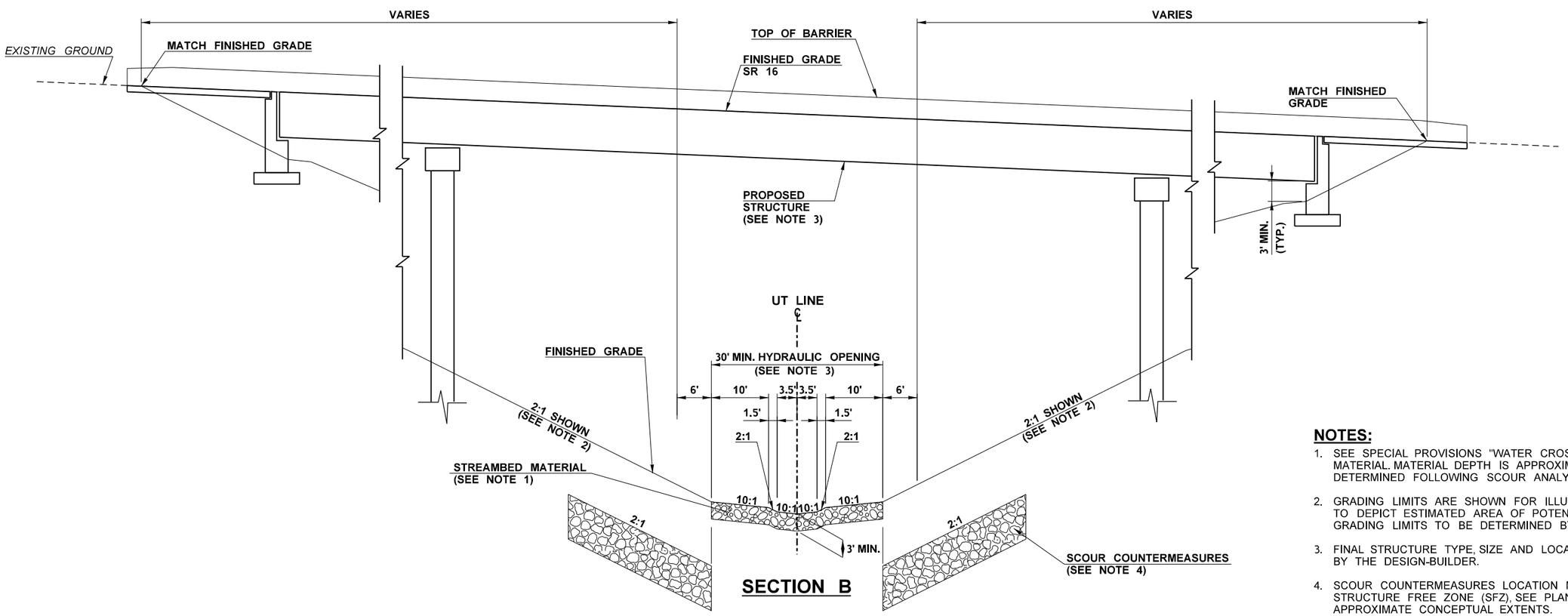
SECTION A

STATION
UT 10+00.62 TO 10+59.32
UT 13+42.42 TO 14+21.52



SECTION C

STATION
UT 10+59.32 TO 11+50.27
UT 12+33.50 TO 13+42.42



SECTION B

STATION
UT 11+50.27 TO 12+33.50

NOTES:

1. SEE SPECIAL PROVISIONS "WATER CROSSINGS" FOR STREAMBED MATERIAL. MATERIAL DEPTH IS APPROXIMATE. FINAL DEPTH TO BE DETERMINED FOLLOWING SCOUR ANALYSIS.
2. GRADING LIMITS ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY TO DEPICT ESTIMATED AREA OF POTENTIAL IMPACT. FINAL GRADING LIMITS TO BE DETERMINED BY THE DESIGN-BUILDER.
3. FINAL STRUCTURE TYPE, SIZE AND LOCATION TO BE DETERMINED BY THE DESIGN-BUILDER.
4. SCOUR COUNTERMEASURES LOCATION MUST BE OUTSIDE OF STRUCTURE FREE ZONE (SFZ), SEE PLAN SHEET FOR APPROXIMATE CONCEPTUAL EXTENTS.

CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

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DATE	10/9/2023						
PLOTTED BY	RSALEH				JOB NUMBER XXXXX		
DESIGNED BY	S. BEVAN						
ENTERED BY	R. SALEH						
CHECKED BY	D. MINNER				CONTRACT NO.		LOCATION NO. XL6547
PROJ. ENGR.	M. STEINGREBE						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

HDR

SR 16 MP 27.10

SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

STREAM DETAILS

PLAN REF NO CD1-D

SHEET OF SHEETS

pw:\\projectstore.wsdot.wa.gov:WSDOT\Documents_HQ\Fish Passage\ORproj\000\XL6547-Gorst\Design_CAD_Sheets\D - 990270, SR 16 MP 27.10\170-Stream\XL6547_D_DE_CD_001.dgn

LEGEND

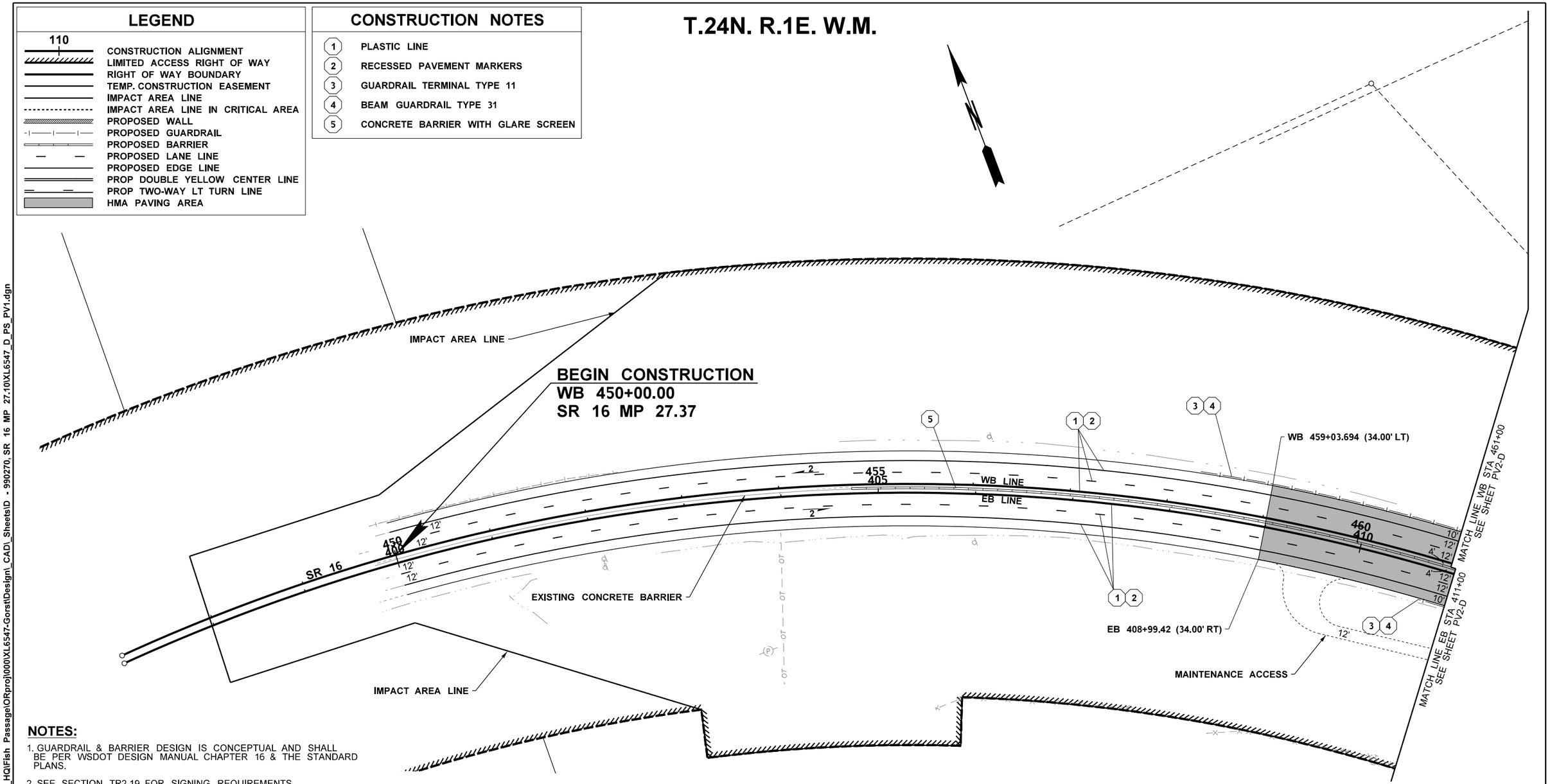
110

- CONSTRUCTION ALIGNMENT
- LIMITED ACCESS RIGHT OF WAY
- RIGHT OF WAY BOUNDARY
- TEMP. CONSTRUCTION EASEMENT
- IMPACT AREA LINE
- IMPACT AREA LINE IN CRITICAL AREA
- PROPOSED WALL
- PROPOSED GUARDRAIL
- PROPOSED BARRIER
- PROPOSED LANE LINE
- PROPOSED EDGE LINE
- PROP DOUBLE YELLOW CENTER LINE
- PROP TWO-WAY LT TURN LINE
- HMA PAVING AREA

CONSTRUCTION NOTES

1. PLASTIC LINE
2. RECESSED PAVEMENT MARKERS
3. GUARDRAIL TERMINAL TYPE 11
4. BEAM GUARDRAIL TYPE 31
5. CONCRETE BARRIER WITH GLARE SCREEN

T.24N. R.1E. W.M.



NOTES:

1. GUARDRAIL & BARRIER DESIGN IS CONCEPTUAL AND SHALL BE PER WSDOT DESIGN MANUAL CHAPTER 16 & THE STANDARD PLANS.
2. SEE SECTION TR2.19 FOR SIGNING REQUIREMENTS.
3. ALL SIGHT DISTANCE REQUIREMENTS OVER NEW TRAFFIC BARRIER SHALL BE MET PER WSDOT DESIGN MANUAL CHAPTER 12.
4. PAVEMENT MARKING DESIGN IS CONCEPTUAL. PAVEMENT MARKINGS SHALL FOLLOW THE WSDOT OLYMPIC REGION PAVEMENT MARKING POLICY IN APPENDIX TR2.20.
5. SEE CONCEPTUAL DRAINAGE PLAN FOR STORMWATER FACILITIES.
6. IMPACT AREA LINE THROUGH ENVIRONMENTALLY CRITICAL AREAS, SEE SECTION 2.8.

0 50 100
SCALE IN FEET

CONCEPTUAL
NOT FOR CONSTRUCTION

SR 16 MP 27.10

FILE NAME	c:\d0539605\XL6547_D_PS_PV1.dgn						
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DATE	10/6/2023				JOB NUMBER		
PLOTTED BY	wilsopau						
DESIGNED BY	S. FOHN						
ENTERED BY	P. WILSON						
CHECKED BY	R. PARKER				CONTRACT NO.		LOCATION NO. XL6547
PROJ. ENGR.	M. STEINGREBE						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

Parametrix

SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

PAVING & PAVEMENT MARKING PLAN

PLAN REF NO PV1-D

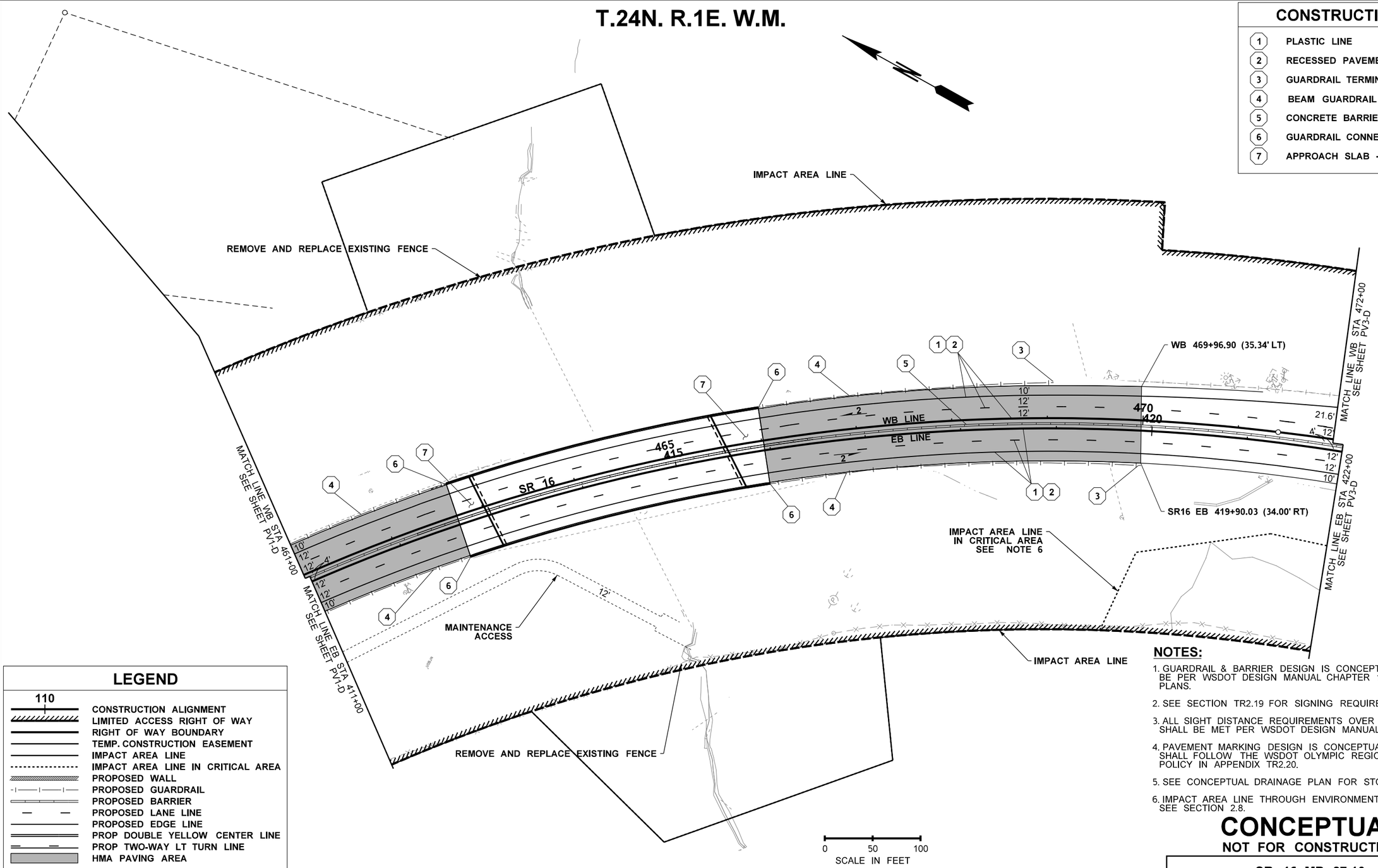
SHEET OF SHEETS

pw:\\projectstore.wsdot.wa.gov:WSDOT\Documents_HQ\Fish Passage\ORproj\000\XL6547-Gorst\Design_CAD_SheetsID - 990270, SR 16 MP 27.10\XL6547_D_PS_PV1.dgn

T.24N. R.1E. W.M.

CONSTRUCTION NOTES

1. PLASTIC LINE
2. RECESSED PAVEMENT MARKERS
3. GUARDRAIL TERMINAL TYPE 11
4. BEAM GUARDRAIL TYPE 31
5. CONCRETE BARRIER WITH GLARE SCREEN
6. GUARDRAIL CONNECTION TO BRIDGE RAIL
7. APPROACH SLAB - SEE STRUCTURE PLAN



LEGEND

110

- CONSTRUCTION ALIGNMENT
- LIMITED ACCESS RIGHT OF WAY
- RIGHT OF WAY BOUNDARY
- TEMP. CONSTRUCTION EASEMENT
- IMPACT AREA LINE
- IMPACT AREA LINE IN CRITICAL AREA
- PROPOSED WALL
- PROPOSED GUARDRAIL
- PROPOSED BARRIER
- PROPOSED LANE LINE
- PROPOSED EDGE LINE
- PROP DOUBLE YELLOW CENTER LINE
- PROP TWO-WAY LT TURN LINE
- HMA PAVING AREA

NOTES:

1. GUARDRAIL & BARRIER DESIGN IS CONCEPTUAL AND SHALL BE PER WSDOT DESIGN MANUAL CHAPTER 16 & THE STANDARD PLANS.
2. SEE SECTION TR2.19 FOR SIGNING REQUIREMENTS.
3. ALL SIGHT DISTANCE REQUIREMENTS OVER NEW TRAFFIC BARRIER SHALL BE MET PER WSDOT DESIGN MANUAL CHAPTER 12.
4. PAVEMENT MARKING DESIGN IS CONCEPTUAL. PAVEMENT MARKINGS SHALL FOLLOW THE WSDOT OLYMPIC REGION PAVEMENT MARKING POLICY IN APPENDIX TR2.20.
5. SEE CONCEPTUAL DRAINAGE PLAN FOR STORMWATER FACILITIES.
6. IMPACT AREA LINE THROUGH ENVIRONMENTALLY CRITICAL AREAS, SEE SECTION 2.8.

CONCEPTUAL

NOT FOR CONSTRUCTION

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PLOTTED BY	wilsopau
DESIGNED BY	S. FOHN
ENTERED BY	P. WILSON
CHECKED BY	R. PARKER
PROJ. ENGR.	M. STEINGREBE
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO. XL6547

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

Parametrix

SR 16 MP 27.10

SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

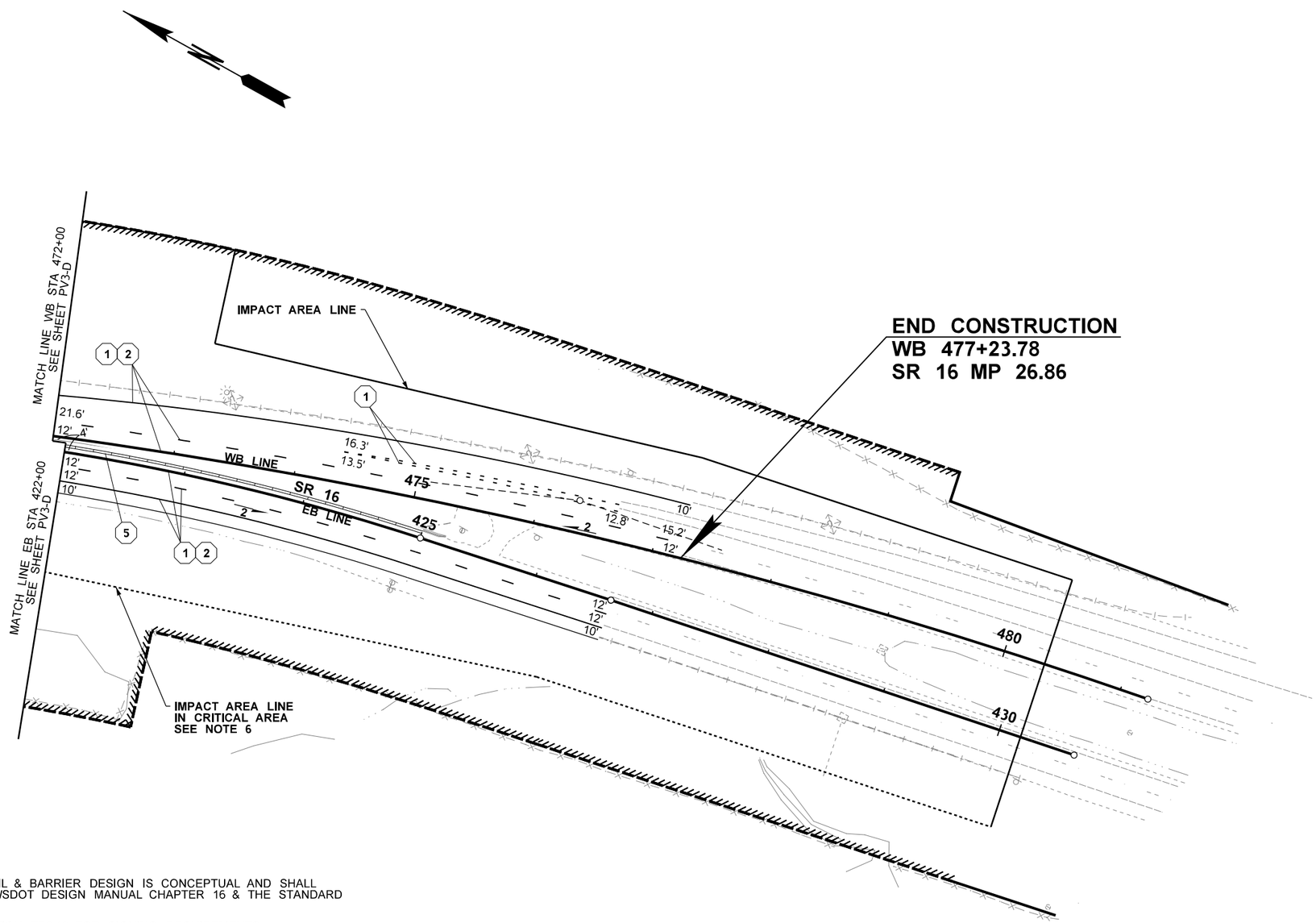
PAVING & PAVEMENT MARKING PLAN

PLAN REF NO PV2-D

SHEET OF SHEETS

pw:\\projectstore.wsdot.wa.gov:WSDOT\Documents_HQ\Fish Passage\ORproj\000\XL6547-Gorst\Design_CAD_Sheets\D - 990270, SR 16 MP 27.10\XL6547_D_PS_PV2.dgn

T.24N. R.1E. W.M.



LEGEND

- CONSTRUCTION ALIGNMENT (110)
- LIMITED ACCESS RIGHT OF WAY
- RIGHT OF WAY BOUNDARY
- TEMP. CONSTRUCTION EASEMENT
- IMPACT AREA LINE
- IMPACT AREA LINE IN CRITICAL AREA
- PROPOSED WALL
- PROPOSED GUARDRAIL
- PROPOSED BARRIER
- PROPOSED LANE LINE
- PROPOSED EDGE LINE
- PROP DOUBLE YELLOW CENTER LINE
- PROP TWO-WAY LT TURN LINE
- HMA PAVING AREA

CONSTRUCTION NOTES

1. PLASTIC LINE
2. RECESSED PAVEMENT MARKERS
5. CONCRETE BARRIER WITH GLARE SCREEN

NOTES:

1. GUARDRAIL & BARRIER DESIGN IS CONCEPTUAL AND SHALL BE PER WSDOT DESIGN MANUAL CHAPTER 16 & THE STANDARD PLANS.
2. SEE SECTION TR2.19 FOR SIGNING REQUIREMENTS.
3. ALL SIGHT DISTANCE REQUIREMENTS OVER NEW TRAFFIC BARRIER SHALL BE MET PER WSDOT DESIGN MANUAL CHAPTER 12.
4. PAVEMENT MARKING DESIGN IS CONCEPTUAL. PAVEMENT MARKINGS SHALL FOLLOW THE WSDOT OLYMPIC REGION PAVEMENT MARKING POLICY IN APPENDIX TR2.20.
5. SEE CONCEPTUAL DRAINAGE PLAN FOR STORMWATER FACILITIES.
6. IMPACT AREA LINE THROUGH ENVIRONMENTALLY CRITICAL AREAS, SEE SECTION 2.8.

0 50 100
SCALE IN FEET

CONCEPTUAL
NOT FOR CONSTRUCTION

SR 16 MP 27.10

FILE NAME	c:\pw_wsdot\d0539605\XL6547_D_PS_PV3.dgn
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PLOTTED BY	ParkeReb
DESIGNED BY	S. FOHN
ENTERED BY	P. WILSON
CHECKED BY	R. PARKER
PROJ. ENGR.	M. STEINGREBE
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER
CONTRACT NO. | LOCATION NO. XL6547

P.E. STAMP BOX DATE
P.E. STAMP BOX DATE

Washington State Department of Transportation
Parametrix

SR3 / SR16 / SR166
GORST VICINITY -
REMOVE FISH BARRIERS

PAVING & PAVEMENT MARKING PLAN

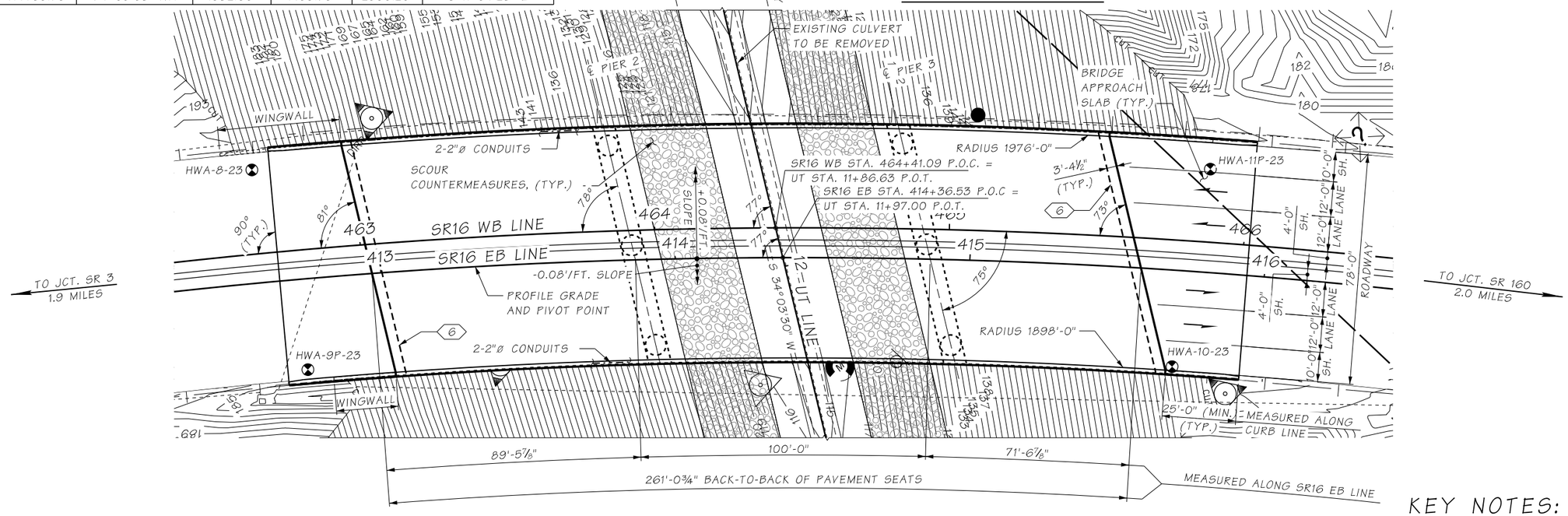
PLAN REF NO PV3-D
SHEET
OF
SHEETS

pw:\\projectstore.wsdot.wa.gov:WSDOT\Documents_HQ\Fish Passage\ORproj\000\XL6547-Gorst\Design_CAD_SheetsID - 990270, SR 16 MP 27.10\XL6547_D_PS_PV2.dgn

CURVE DATA					
P.I. STATION	Δ	RADIUS	TANGENT	LENGTH	BK. TANGENT BRG.
SR16 WB 461+94.58	63°11'37" RT.	1942.00'	1194.58'	2141.90'	S 22°04'56" E
SR16 EB 414+59.79	74°08'53" RT.	1932.00'	1459.79'	2500.26'	S 11°04'23" E

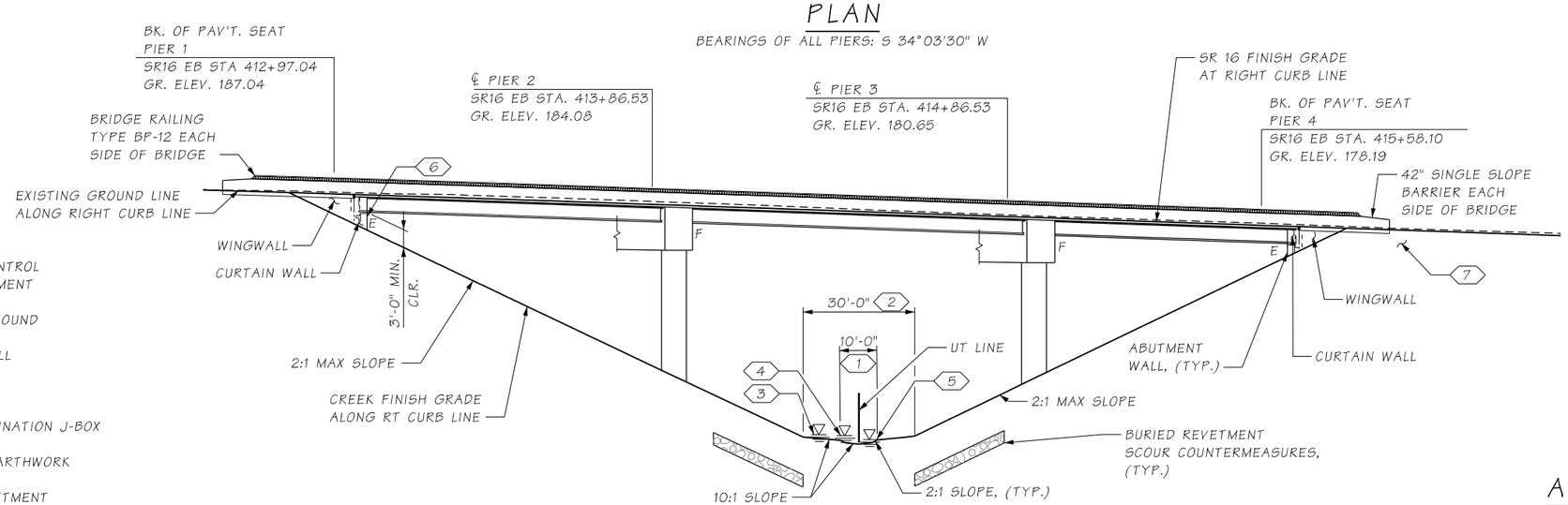
SEC. 34, T.24N., R.1E., W.M.
KITSAP COUNTY

SR 16



PLAN

BEARINGS OF ALL PIERS: S 34°03'30" W



DEVELOPED ELEVATION - SR16 EB LINE

GRADE ELEVATIONS SHOWN ARE FINISH GRADES AT TOP OF BRIDGE DECK ON SR16 EB LINE AND ARE EQUAL TO PROFILE GRADE. SEE STD. PLAN A-50.10 FOR EMBANKMENT DETAILS AT BRIDGE ENDS.

KEY NOTES:

1. BANKFULL WIDTH MEASURED PERPENDICULAR TO THE UT LINE
2. MINIMUM HYDRAULIC OPENING MEASURED PERPENDICULAR TO THE UT LINE
3. 500 YR. M.R.I. W.S. ELEV. 116.5 Q=199.3 CFS
4. 100 YR. M.R.I. W.S. ELEV. 116.2 Q=137.3 CFS
5. NORMAL HIGH WATER WS. ELEV. 115.1
6. FRONT FACE OF ABUTMENT WALL
7. PROVIDE ADEQUATE DRAINAGE AND SLOPE PROTECTION MEASURES FOR RUNOFF AT THE DOWNSTREAM ENDS OF THE BRIDGE IN ACCORDANCE WITH THE BRIDGE DESIGN MANUAL AND HYDRAULIC MANUAL.

LEGEND

- PRIMARY CONTROL POINT MONUMENT
- MONUMENT FOUND
- MONITOR WELL
- EXIST. SIGN
- EXIST. ILLUMINATION J-BOX
- CUT — LIMITS OF EARTHWORK
- BURIED REVETMENT
- BOREHOLE

DATUM

NAVD 1988

ASSUMED P.C. GIRDERS (WF50G)
LOADING: HL-93

SEISMIC OPERATIONAL IMPORTANCE CLASSIFICATION: ORDINARY

DATE OF DETERMINATION BY 13TH COAST GUARD DISTRICT: ##/##/##

USCG STRUCTURE CLASSIFICATION: NO USCG PERMIT REQUIRED

Bridge Design Engr.		$$$$$$$$DESIGNFILENAME$$$$$$							
Supervisor					REGION NO.	STATE	FED. AID. PROJ. NO.	SHEET NO.	TOTAL SHEETS
Designed By	Peterson, B.				10	WASH.			
Checked By	Clark, B.M.				JOB NUMBER				
Detailed By	deGuzman, A.								
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

10/9/2023

HDR

CONCEPTUAL

Washington State Department of Transportation

NOT FOR CONSTRUCTION

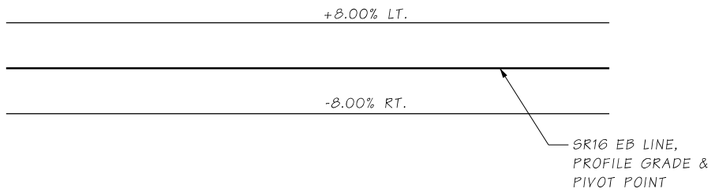
SR 3/ SR 16/ SR 166
GORST VICINITY -
REMOVE FISH BARRIERS
SR 16 MP 27.10 - UNNAMED TRIBUTARY TO ROSS CREEK

CONCEPTUAL BRIDGE PLAN

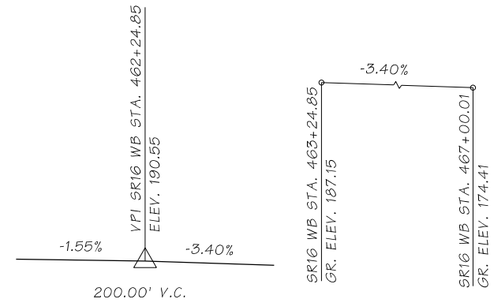
BRIDGE SHEET NO. BD01

SHEET OF SHEETS

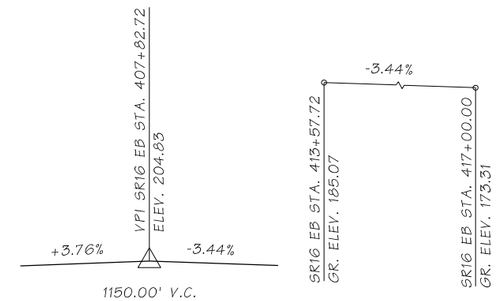
SR ___ FILE NO. ___ SHEET ___



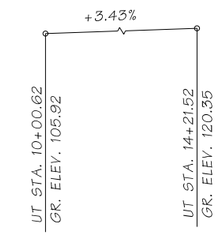
SR16 WB AND SR16 EB LINES SUPERELEVATION DIAGRAM



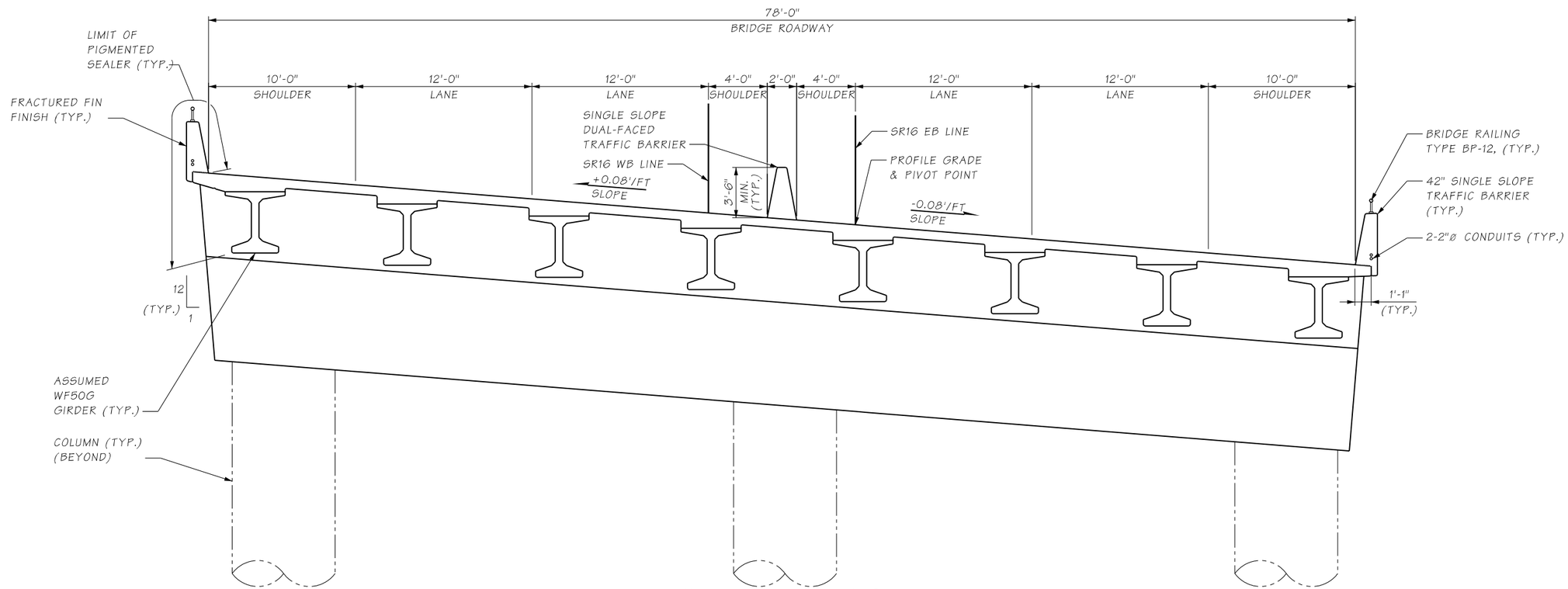
SR16 WB LINE PROFILE



SR16 EB LINE PROFILE



UT LINE PROFILE



TYPICAL SECTION

DIMENSIONS ARE PERPENDICULAR TO THE SR16 EB LINE

SR ____ FILE NO. ____ SHEET ____

Bridge Design Engr.		$$$$$$$$DESIGNFILENAME$$$$$$							
Supervisor					REGION NO.	STATE	FED. AID. PROJ. NO.	SHEET NO.	TOTAL SHEETS
Designed By	Peterson, B.				10	WASH.			
Checked By	Clark, B.M.				JOB NUMBER				
Detailed By	deGuzman, A.								
Bridge Projects Engr.									
Prelim. Plan By									
Architect/Specialist		DATE	REVISION	BY	APP'D				

10/9/2023

HDR

CONCEPTUAL

Washington State Department of Transportation

NOT FOR CONSTRUCTION

SR 3/ SR 16/ SR 166
GORST VICINITY -
REMOVE FISH BARRIERS
SR 16 MP 27.10 - UNNAMED TRIBUTARY TO ROSS CREEK

CONCEPTUAL BRIDGE DETAILS

BRIDGE SHEET NO. BD02

SHEET ____ OF ____ SHEETS