

PLANS	SHEET NUMBERS
TITLE	1
LEGEND	2
NOTE SHEET	3
TYPICAL CROSS SECTIONS	4-6
MISCELLANEOUS DETAILS	7
ALIGNMENT SHEET	8-12
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CONSTRUCTION STAGING	39
CROSS SECTIONS	40-60

TUSCOLA COUNTY ROAD COMMISSION

PLANS OF PROPOSED
DUTCHER ROAD FROM MERRY ROAD TO M-24

FAIRGROVE TOWNSHIP
TUSCOLA COUNTY



AREA MAP
NOT TO SCALE

TRAFFIC DATA

44	---	PRESENT ADT (2023)
44	---	FUTURE ADT (2033)
55	---	POSTED SPEED
60	---	DESIGN SPEED
3.0%	---	COMMERCIAL

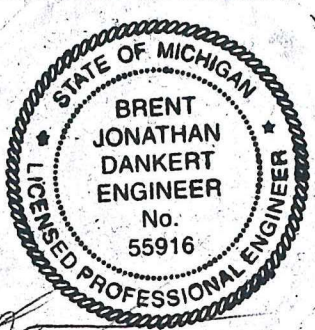
THE DESIGN OF THIS ROAD IS BASED ON THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2020 EDITION, AND THE AASHTO A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, 2011 EDITION, AND THE MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2011 EDITION.

CONTRACT FOR: 2.5 MILES OF AGGREGATE ROAD RESURFACING, WIDENING AND DRAINAGE IMPROVEMENTS

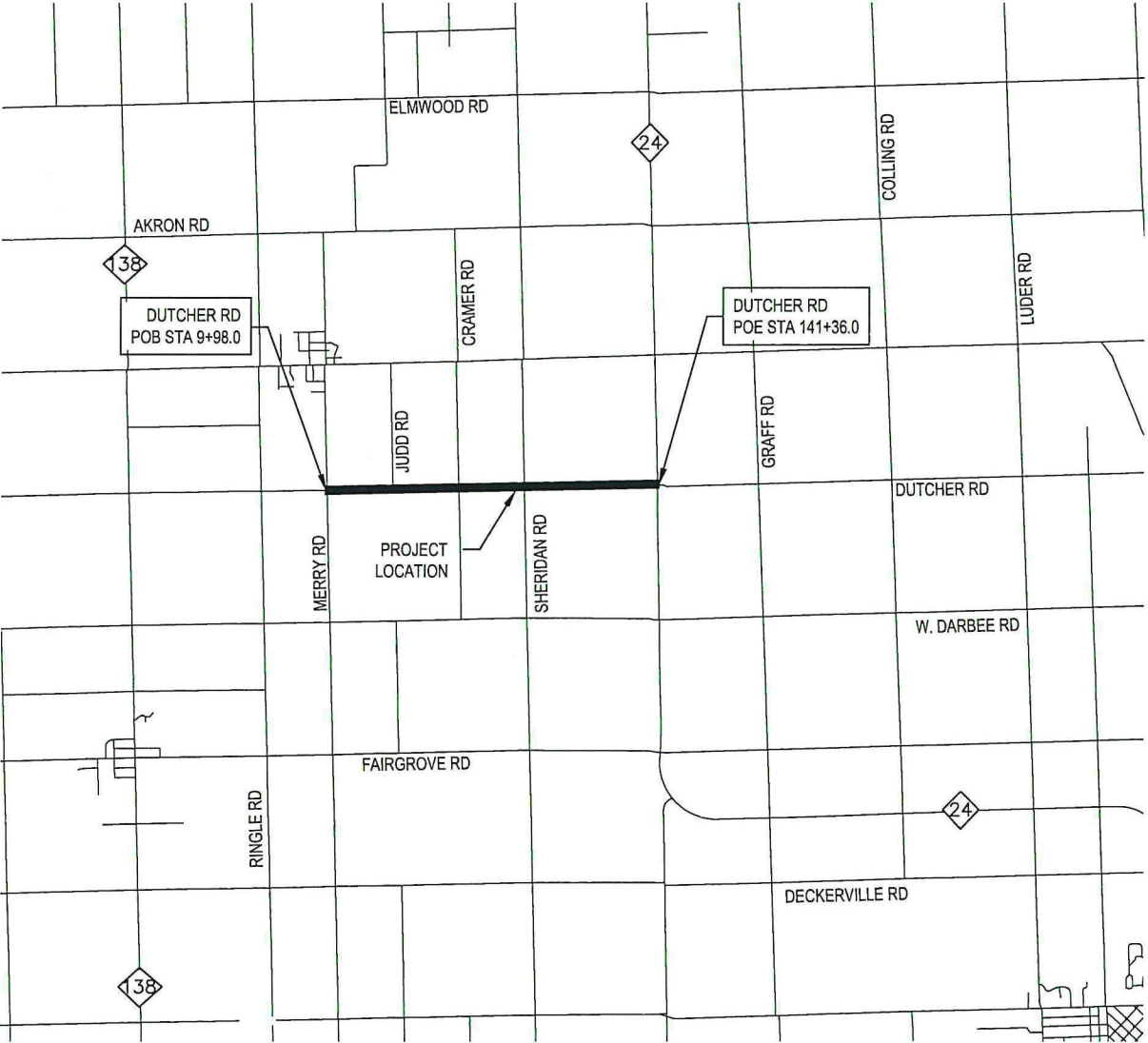
TUSCOLA COUNTY ROAD COMMISSION APPROVAL

CHAIRMAN	<i>John G. Laurie</i>	3-31-22
JOHN G. LAURIE		DATE
VICE-CHAIRMAN	<i>Gary L. Parsell</i>	3-31-22
GARY L. PARSELL		DATE
MEMBER	<i>Julie Matuszak</i>	3-31-22
JULIE MATUSZAK		DATE
MEMBER	<i>Duane Weber</i>	3-31-22
DUANE WEBER		DATE
MEMBER	<i>David L. Kennard</i>	3-31-22
DAVID KENNARD		DATE
MEMBER	<i>William R. Green</i>	3-31-22
WILLIAM R. GREEN		DATE

THESE PLANS WERE PREPARED FOR THE
TUSCOLA COUNTY ROAD COMMISSION BY



Brent J. Dankert 6201055916 3-31-22
BRENT J. DANKERT, P.E. REGISTRATION NO. DATE



SECTIONS 1, 2, 3, 10, 11 & 12, T13N-R8E

MDOT ROAD STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE MDOT STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

MONUMENT BOXES	R-11-E
GRANULAR BLANKET, UNDERDRAINS, OUTLET ENDINGS	R-80-F*
FOR UNDERDRAINS, AND SEWER BULKHEADS	
BEDDING AND FILLING AROUND PIPE CULVERTS	R-82-D
UTILITY TRENCHES	R-83-C
SOIL EROSION & SEDIMENTATION CONTROL MEASURES	R-96-E
SEEDING AND TREE PLANTING	R-100-I*

*SPECIAL DETAILS INCLUDED IN PROPOSAL

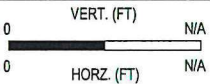
MDOT TRAFFIC AND SAFETY STANDARD PLANS

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE MDOT STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

ROADSIDE SIGN LOCATIONS AND SUPPORT SPACING	SIGN-120-E
STEEL POSTS	SIGN-200-E
GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS	WZD-100-A*
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E*

*SPECIAL DETAILS INCLUDED IN PROPOSAL

FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



SGI PROJECT NO: 132104SG2022
DATE: MARCH, 2022
FILE: LP_TITLE.DWG

TITLE SHEET
DUTCHER ROAD

DRAWING	SHEET
TTL	1

UNDERGROUND UTILITIES/MISS DIG

THE EXISTING UTILITIES ON THESE DRAWINGS HAVE BEEN SHOWN ACCORDING TO THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND SHALL NOTIFY THE ENGINEER AS TO WHERE POSSIBLE CONFLICT EXISTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PROPERLY IDENTIFIED EXISTING WATER MAINS AND/OR EXISTING SEWERS DURING THE CONSTRUCTION OF THIS PROJECT.

SIGNS

APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO EARTH-DISTURBING ACTIVITIES. PLACE TURF ESTABLISHMENT ITEMS AS SOON AS POSSIBLE ON POTENTIAL ERODABLE SLOPES AS DIRECTED BY THE ENGINEER. CRITICAL DITCH GRADES SHALL BE PROTECTED WITH EITHER SOD OR SEED/MULCH OR MULCH BLANKET AS DIRECTED BY THE ENGINEER.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE AND MAINTAINED UNTIL THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MEASURES SHALL ONLY BE PAID FOR ONCE.

THE DESIGNATION FOR THE PERMANENT TURF SEED MIXTURE ON THIS PROJECT SHALL BE THM.

DRAINAGE STRUCTURE IN PROPOSED CURB - OFFSETS AND ELEVATIONS SHOWN ARE TO THE BACK AND TOP OF CURB. ALIGN THE STRUCTURE WITH THE BACK OF THE CASTING AND THE TOP OF THE CASTING FLUSH WITH THE PROPOSED BACK AND TOP OF CURB. DRAINAGE STRUCTURES IN OUTLAWN AREA AND PAVED AREA - OFFSET SHOWN IS TO CENTER OF STRUCTURE. RIM ELEVATIONS FOR DOME COVERS AND FLAT COVERS ARE TO THE TOP OF THE CASTING FRAME.

CULVERTS AT LOW POINTS, DENOTED "LP" ON THE PLANS, SHALL BE PLACED AT THE LOCATION CALLED OUT ON THE PLANS. CULVERTS WITHOUT THIS LABEL CAN BE PLACED AT BEST FIELD FIT LOCATIONS WITH THE APPROVAL OF THE TUSCOLA COUNTY ROAD COMMISSION.

LAWN SPRINKLERS/LANDSCAPING

ALL WORK SHALL BE IN ACCORDANCE WITH THE 2012 MDOT
STANDARD SPECIFICATIONS FOR CONSTRUCTION EXCEPT AS HEREIN
MODIFIED.

1 LSUM Traffic Control


THE FOLLOWING ITEMS OF WORK SHALL BE DONE AS THEY APPLY THROUGHOUT THE PROJECT. THESE ITEMS ARE NOT DETAILED OR INCLUDED ON THE PLAN AND PROFILE SHEETS:

FOR INFORMATION ONLY

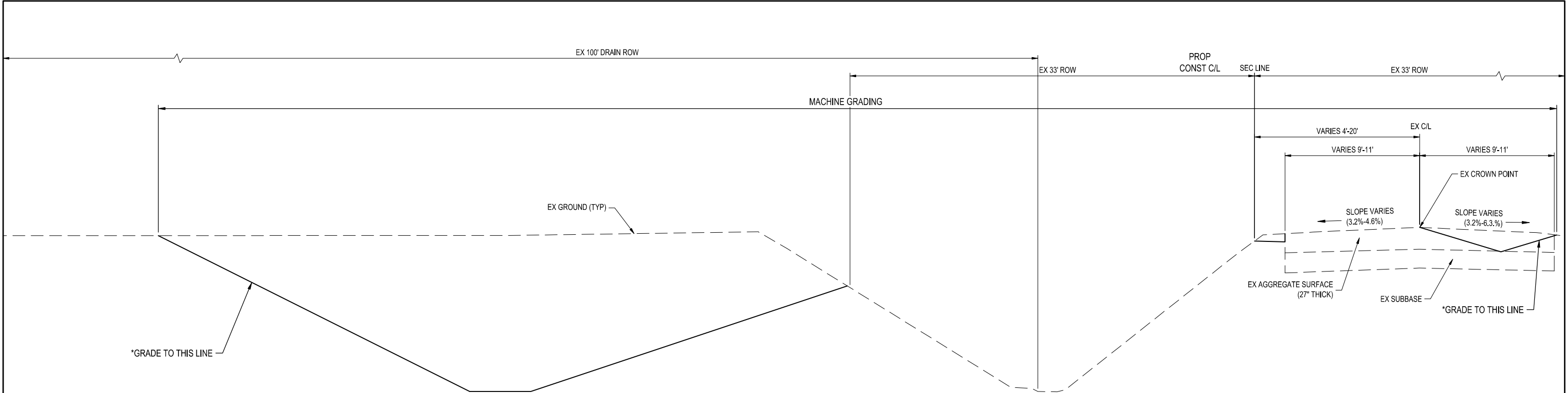
150	Ft	Erosion Control, Check Dam, Stone
3	Ea	Erosion Control, Inlet Protection, Fabric Drop
28	Ea	Erosion Control, Sediment Trap
1500	Ft	Erosion Control, Silt Fence

THE FOLLOWING ITEMS OF WORK ARE MISCELLANEOUS QUANTITIES FOR AS-NEEDED USE THROUGHOUT THE PROJECT. IF THE ITEMS ARE NOT USED THE COST WILL BE DEDUCTED FROM THE LUMP SUM PROJECT COST:

50	Ton	Approach, CI II
100	Ft	Culv, CI F, 12 inch
500	Ft	Underdrain, Subbase, 6 inch
25	Ft	Underdrain Outlet, 6 inch
2	Ea	Underdrain, Outlet Ending, 6 inch
25	Syd	Riprap, Plain

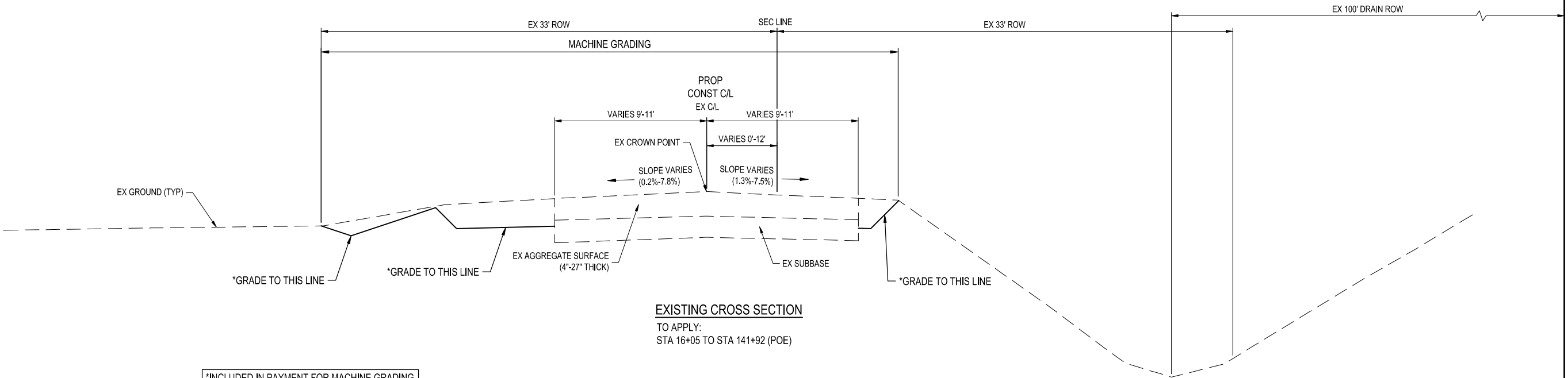
FINAL PLAN REVISIONS				 <p>Tulsa County Road Commission 1703 South Cave, All 6722 Phone 918 475-3228 Fax 918 475-3291</p> <p>To Our Future</p>	VERT. (FT)	SGI PROJECT NO: 132104SG2022	<div>NOTE SHEET</div> <div>DUTCHER ROAD</div>	DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION		<div>0</div> <div></div> <div>N/A</div>	DATE: MARCH, 2022		NOTE	3
					<div>0</div> <div></div> <div>N/A</div>	FILE: LP_NOTE.DWG			

3/30/2022 1:56 PM ryan.sullivan



*INCLUDED IN PAYMENT FOR MACHINE GRADING

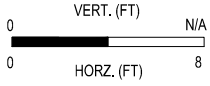
EXISTING CROSS SECTION
TO APPLY:
STA 9+98.0 (POB) TO STA 16+05



*INCLUDED IN PAYMENT FOR MACHINE GRADING

EXISTING CROSS SECTION
TO APPLY:
STA 16+05 TO STA 141+92 (POE)

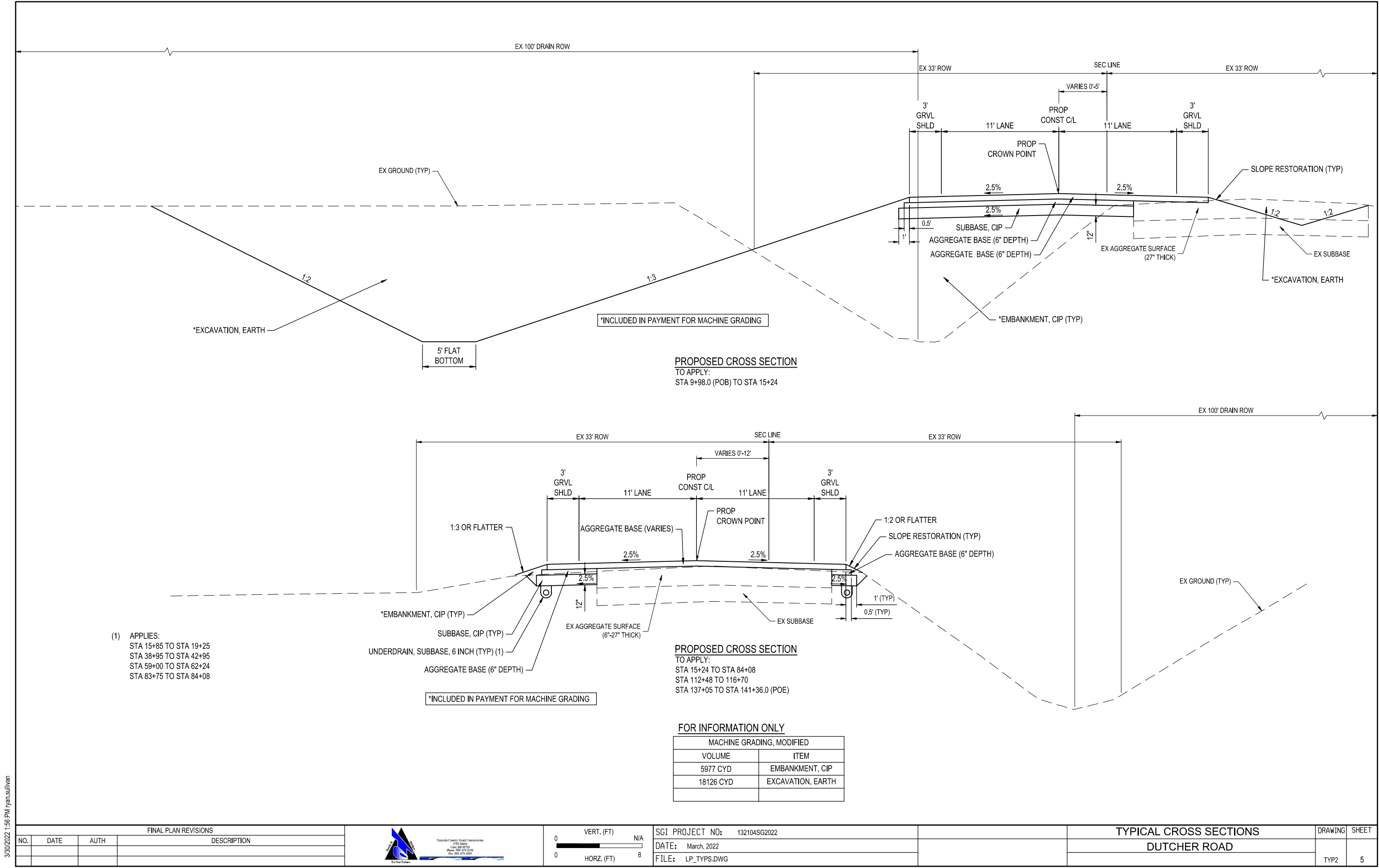
FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION

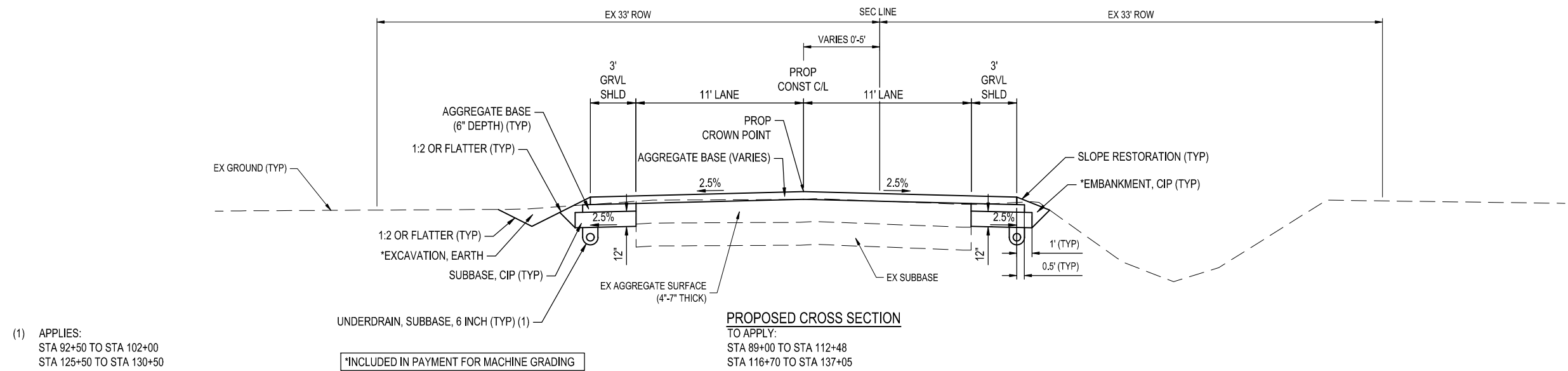
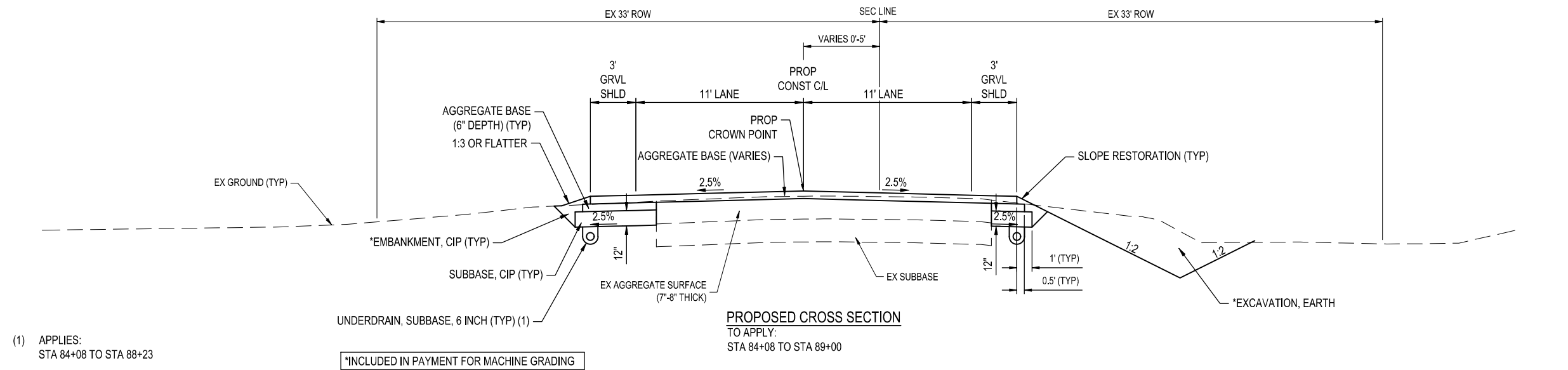


SGI PROJECT NO:	132104SG2022
DATE:	March, 2022
FILE:	LP_TYPS.DWG

TYPICAL CROSS SECTIONS		DRAWING	SHEET
DUTCHER ROAD		TYP1	4

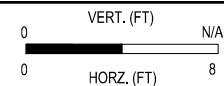
3/30/2022 1:56 PM ryan.sullivan





3/30/2022 1:56 PM Ryan.Sullivan

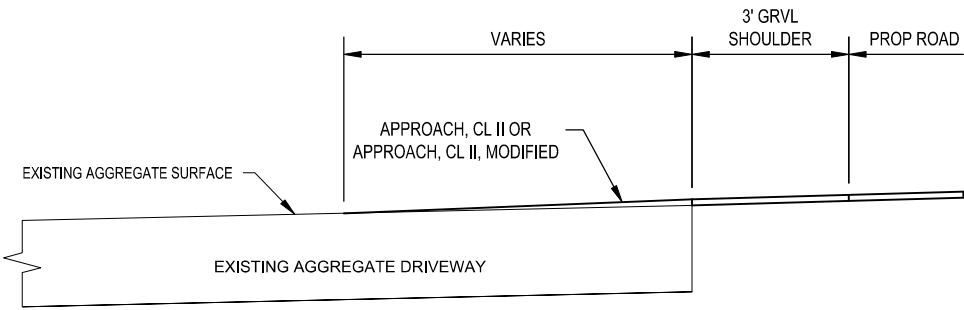
FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



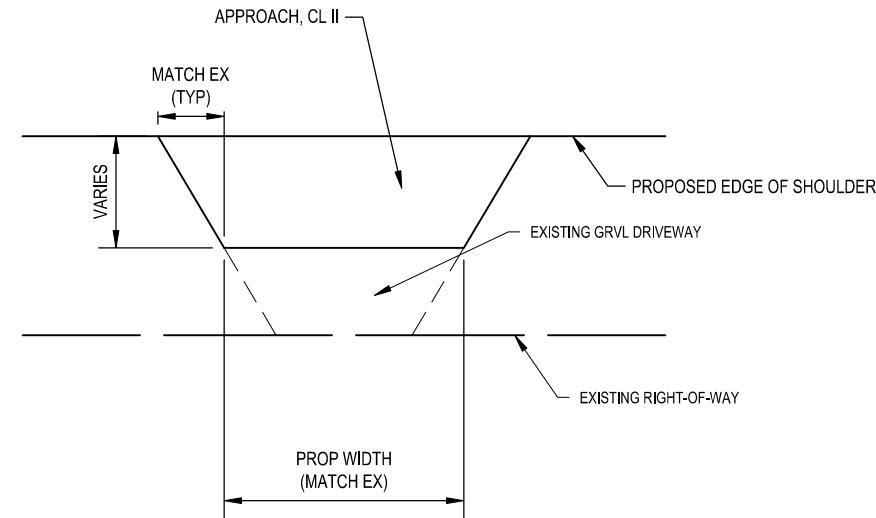
SGI PROJECT NO:	132104SG2022
DATE:	March, 2022
FILE:	LP_TYPS.DWG

TYPICAL CROSS SECTIONS	
DUTCHER ROAD	
TYP3	6

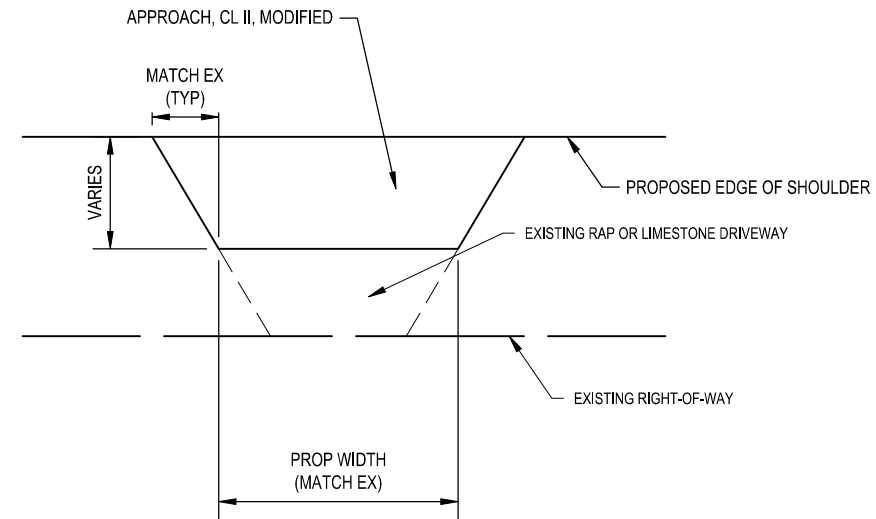
DRAWING	SHEET
TYP3	6



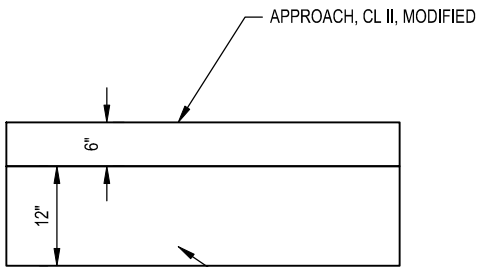
AGGREGATE DRIVEWAY REPAIR
CROSS SECTION
(10% MAX SLOPE)



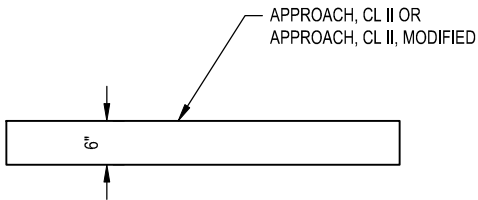
GRAVEL DRIVEWAY REPAIR



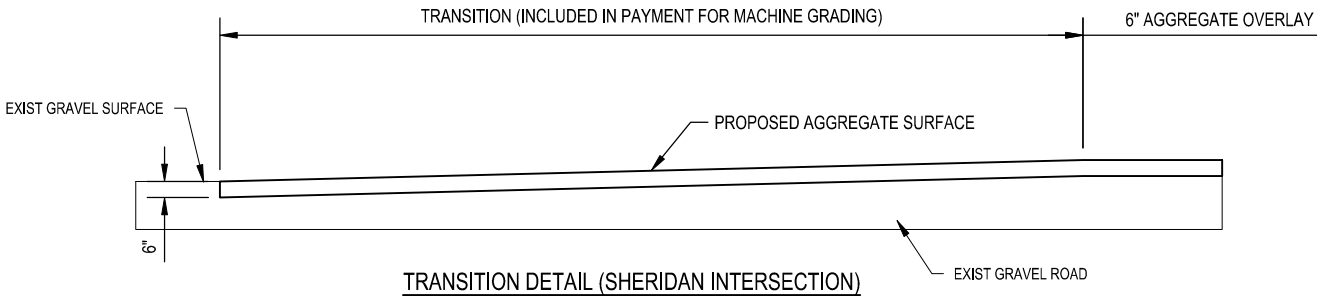
RAP/LIMESTONE DRIVEWAY REPAIR



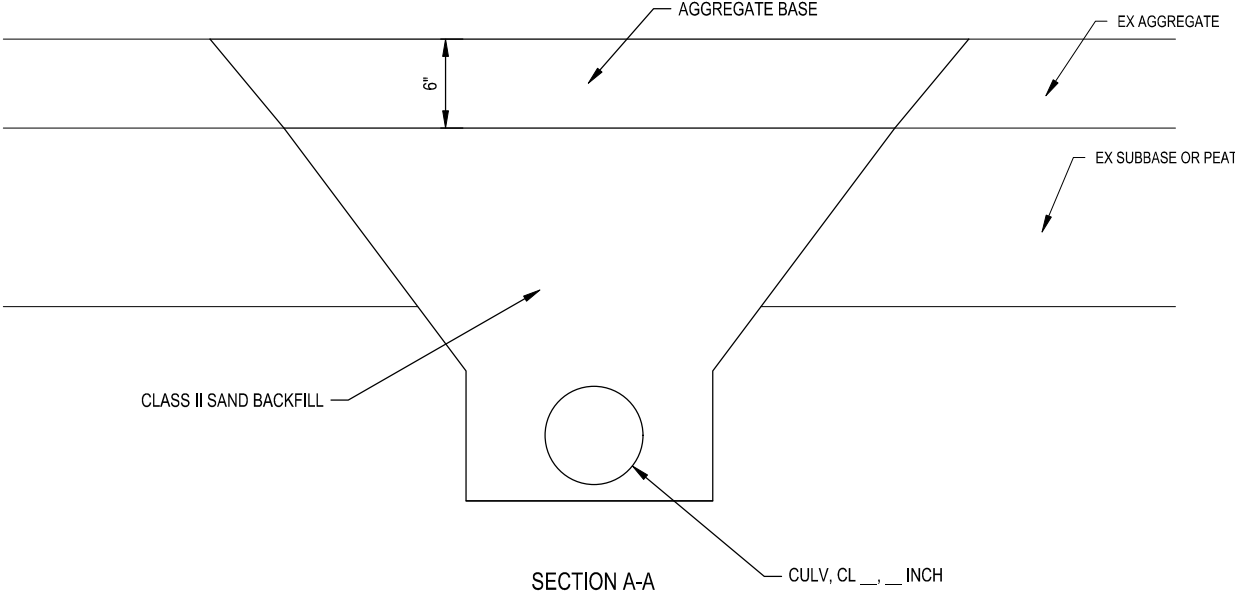
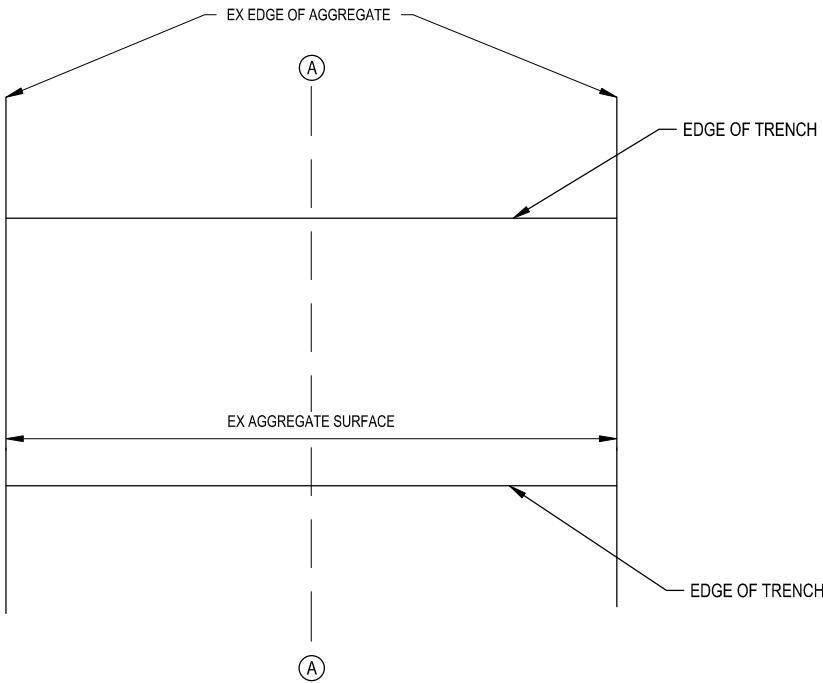
DRIVEWAY DETAIL (STA 15+25)



GRAVEL DRIVEWAY RECONSTRUCTION



TRANSITION DETAIL (SHERIDAN INTERSECTION)



CULVERT TRENCH REPAIR

3/30/2022 12:34 PM ryan.sullivan

FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



0 VERT. (FT) N/A
0 HORZ. (FT) N/A

SGI PROJECT NO: 132104SG2022
DATE: MARCH, 2022
FILE: LP_DETAILS.DWG

MISCELLANEOUS DETAILS
DUTCHER ROAD

DRAWING SHEET
DETS 7

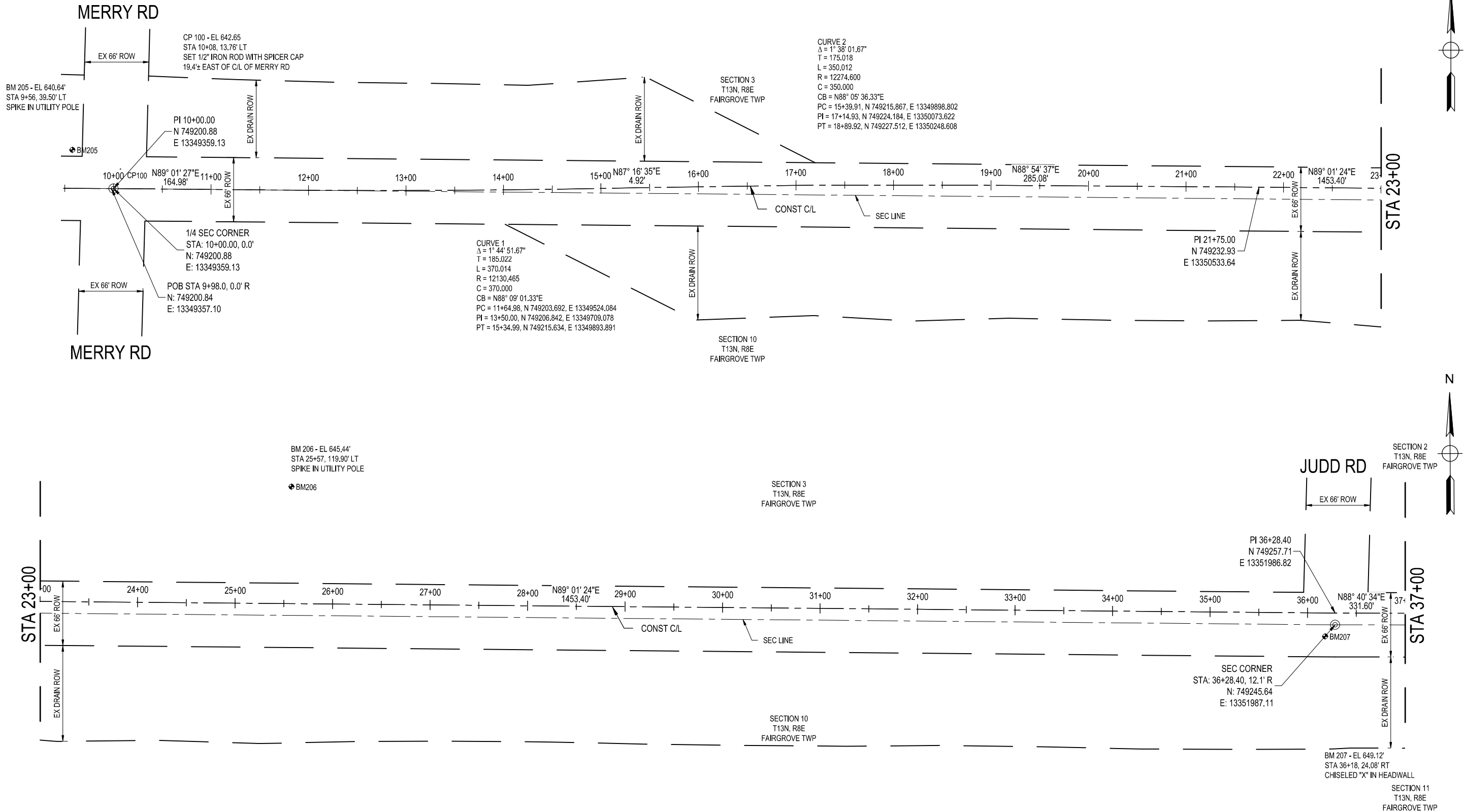
3/30/2022 12:14 PM Olivia Varadit

DUTCHER RD

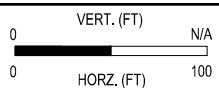
DUTCHER RD

DUTCHER RD

DUTCHER RD



FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	



SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_ALIGN.DWG

ALIGNMENT SHEET	
DUTCHER ROAD	
STA 9+98.0 (POB) TO STA 37+00	

DRAWING	SHEET
ALIGN1	8

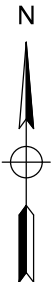
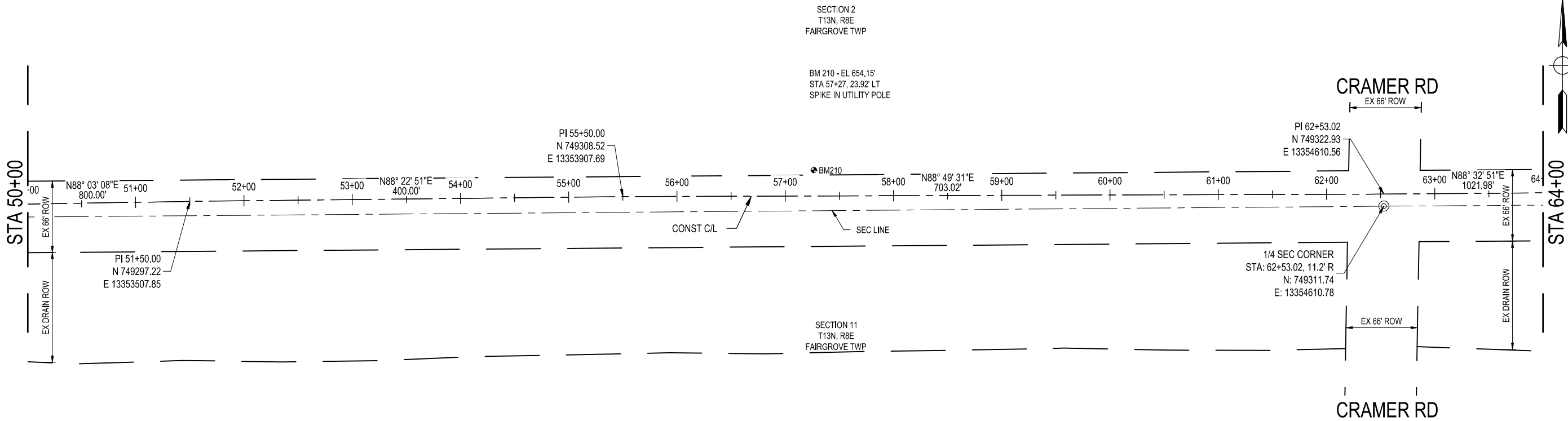
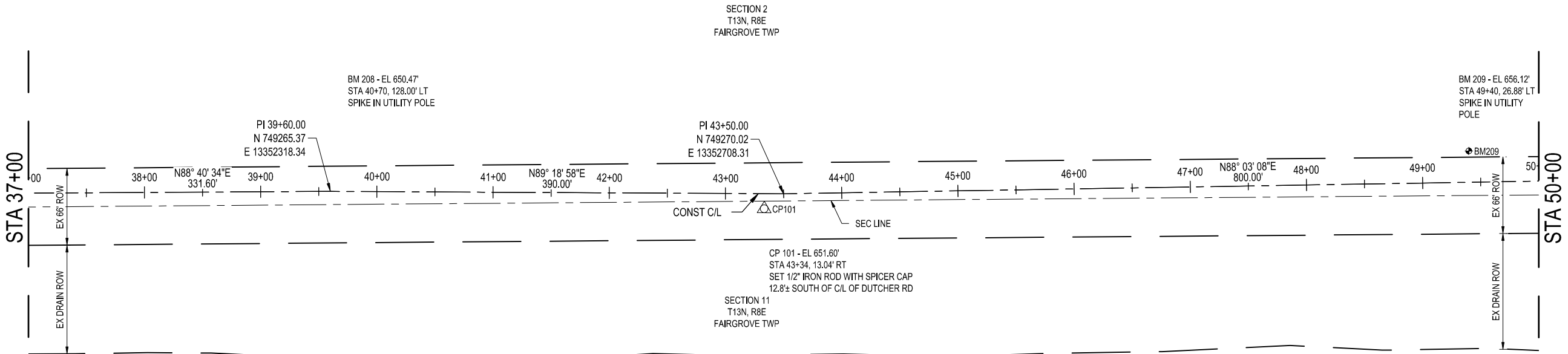
3/30/2022 12:14 PM Olivia Varadst

DUTCHER RD

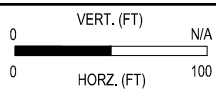
DUTCHER RD

DUTCHER RD

DUTCHER RD



FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	



SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_ALIGN.DWG

ALIGNMENT SHEET	
DUTCHER ROAD	
STA 37+00 TO STA 64+00	

DRAWING	SHEET
ALIGN2	9

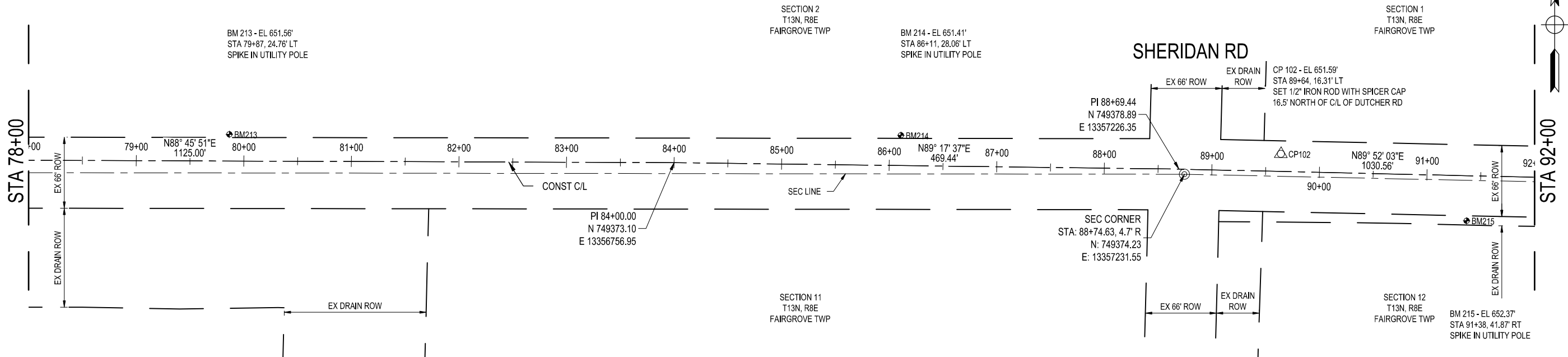
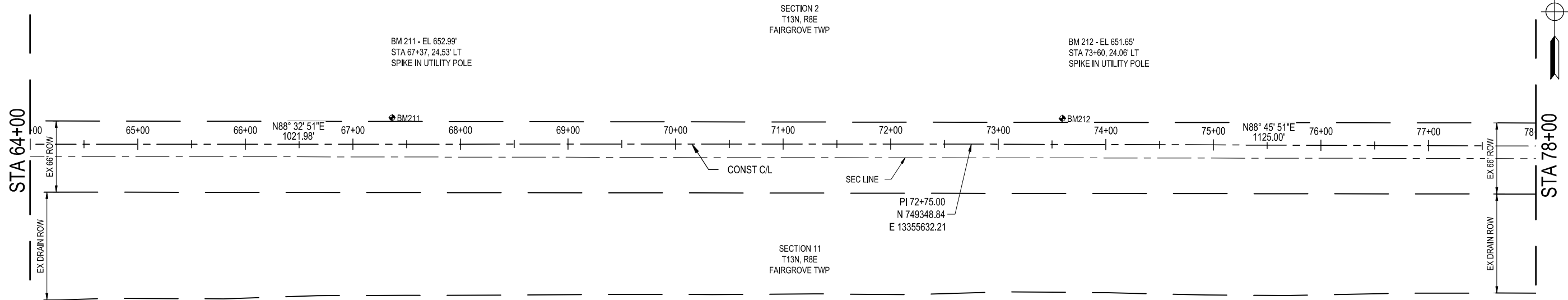
3/30/2022 12:14 PM Olivia Varadst

DUTCHER RD

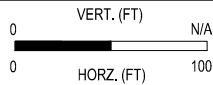
DUTCHER RD

DUTCHER RD

DUTCHER RD



FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	



SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_ALIGN.DWG

ALIGNMENT SHEET		DRAWING	SHEET
DUTCHER ROAD		ALIGN3	10
STA 64+00 TO STA 92+00			

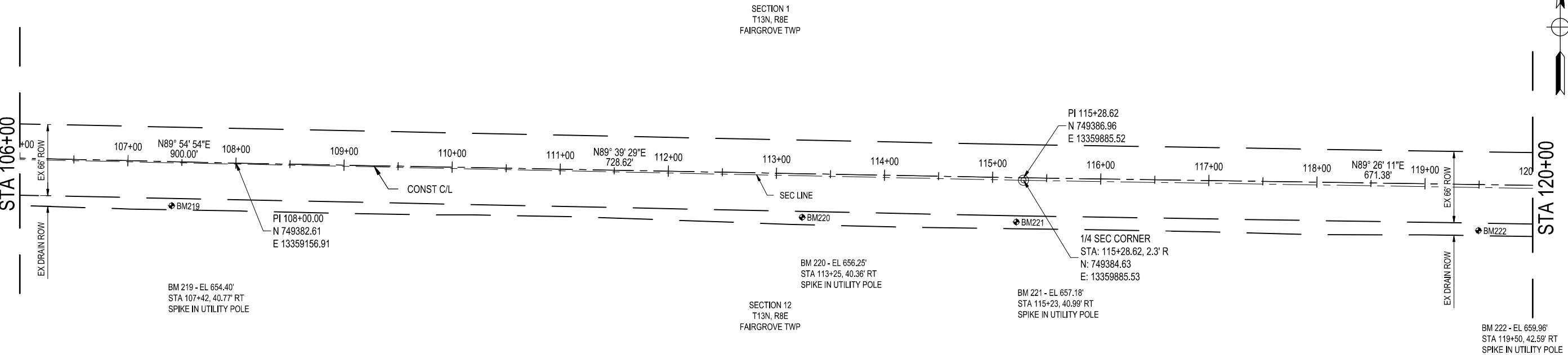
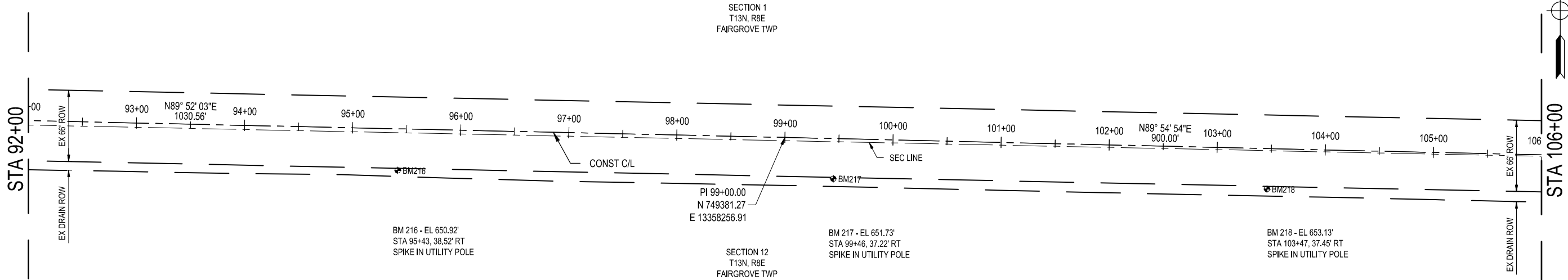
3/30/2022 12:14 PM Olivia Varadst

DUTCHER RD

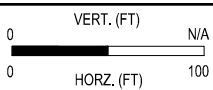
DUTCHER RD

DUTCHER RD

DUTCHER RD



FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	



SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_ALIGN.DWG

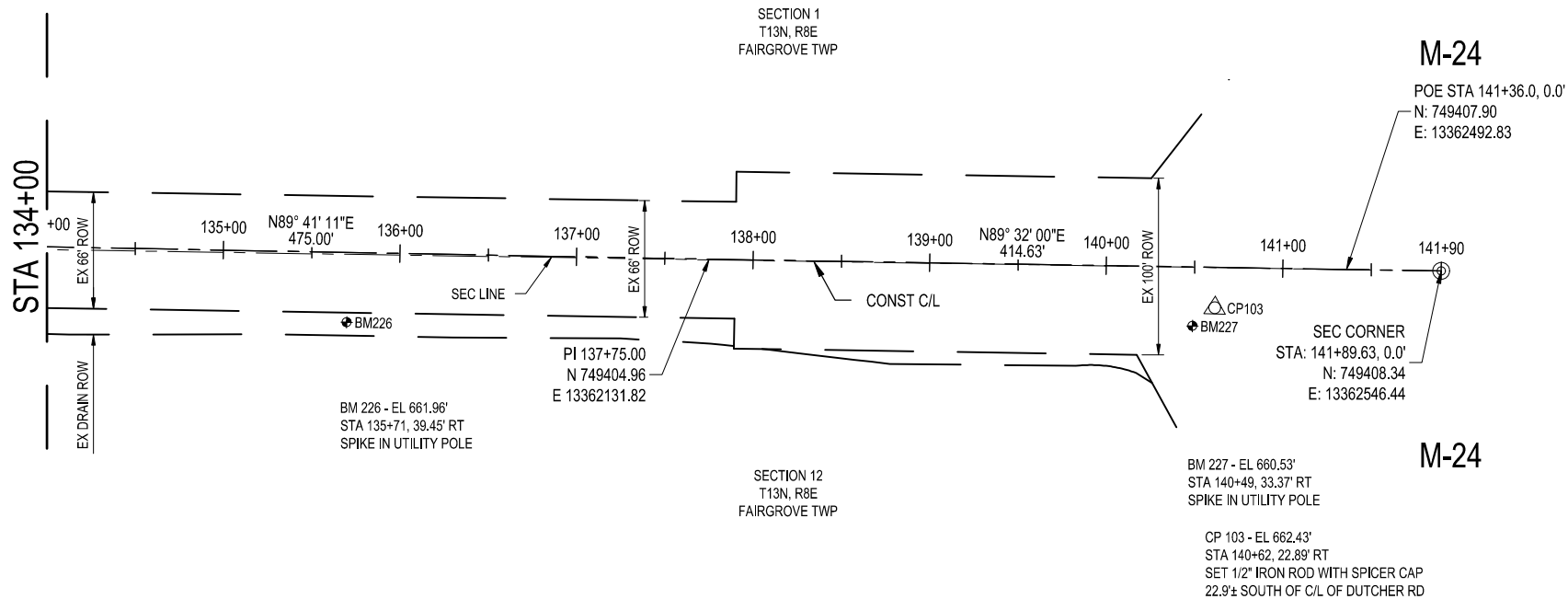
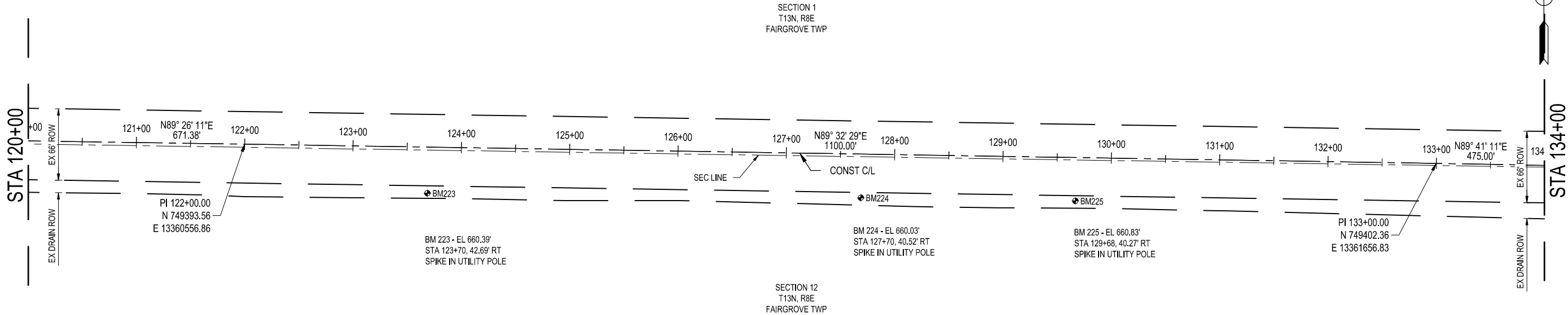
ALIGNMENT SHEET	
DUTCHER ROAD	
STA 92+00 TO STA 120+00	

DRAWING	SHEET
ALIGN4	11

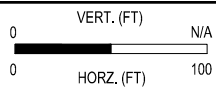
3/30/2022 12:14 PM Olivia Varadst

DUTCHER RD

DUTCHER RD

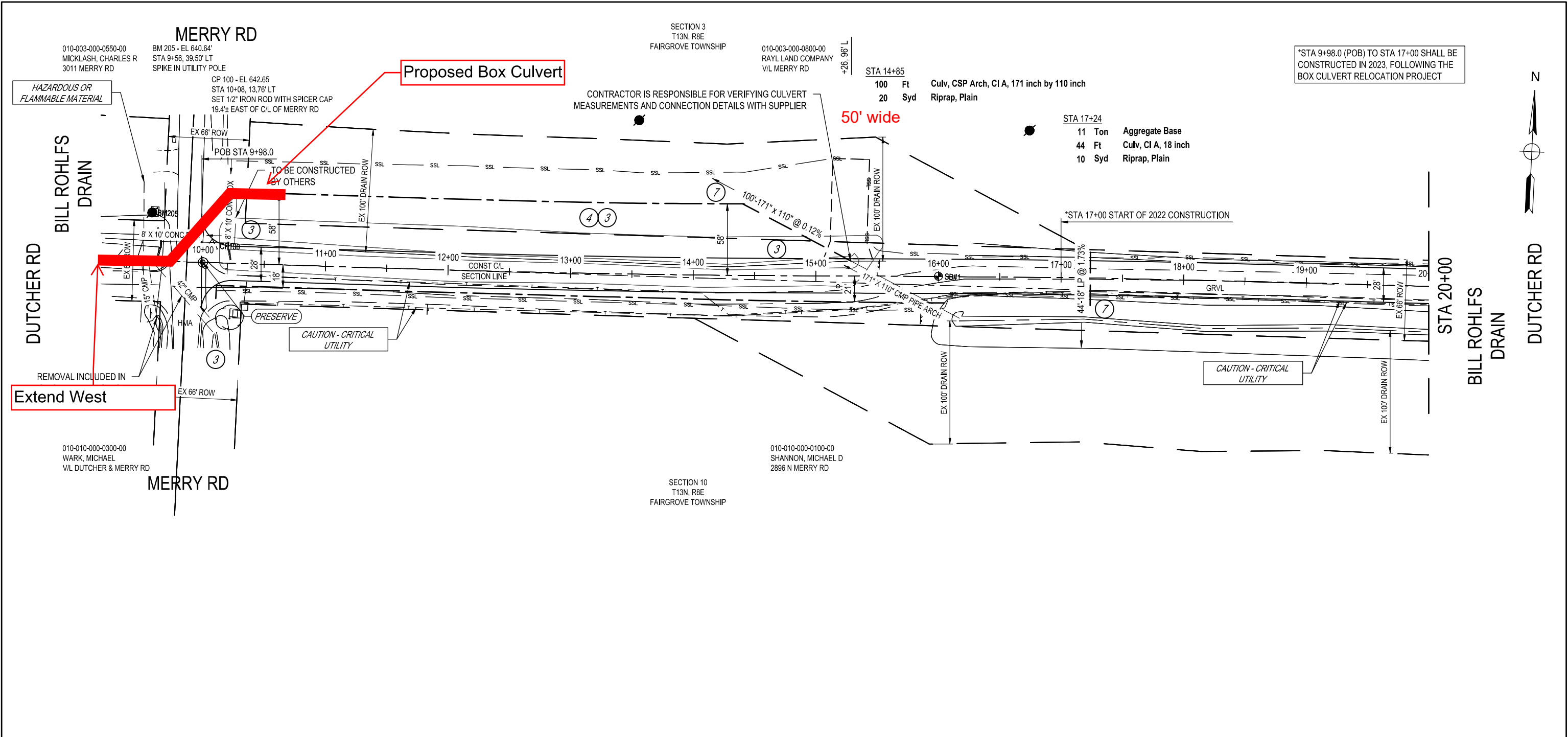


FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	

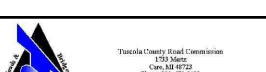



SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_ALIGN.DWG

ALIGNMENT SHEET		DRAWING	SHEET
DUTCHER ROAD		ALIGN5	12
STA 120+00 TO STA 141+36.0 (POE)			

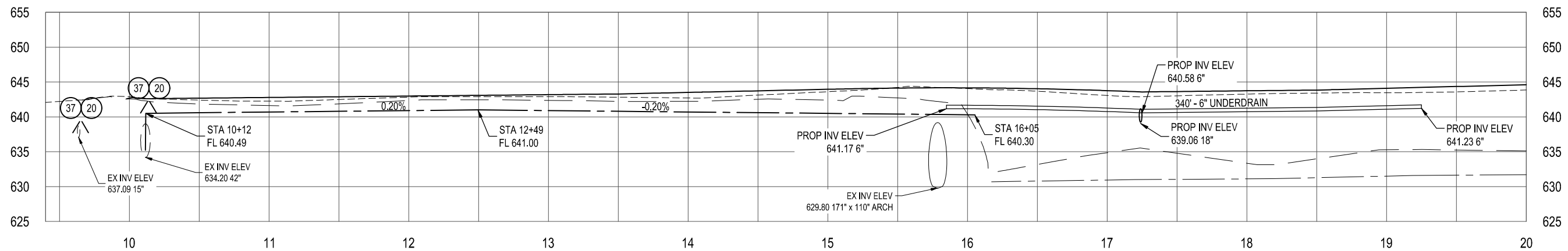
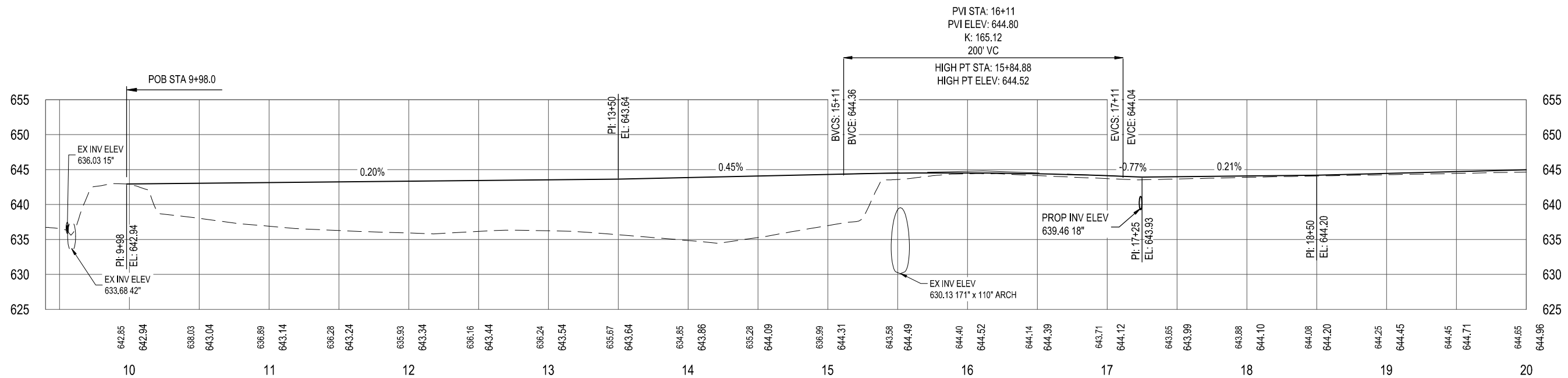
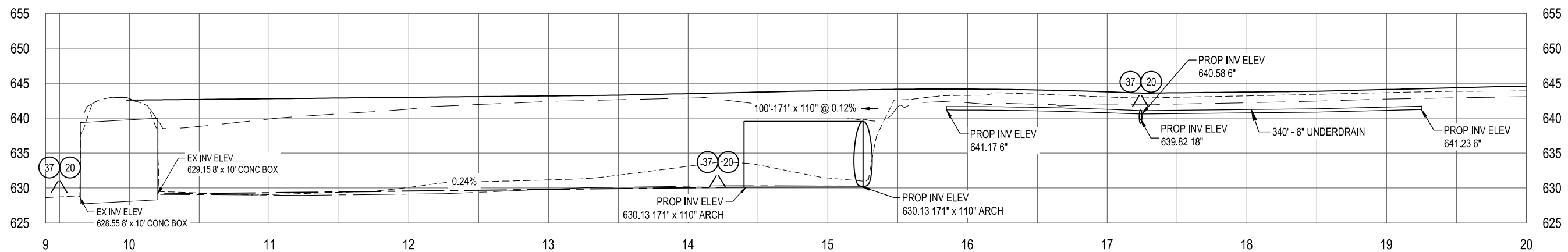


DRIVEWAY APPROACH QUANTITIES - THIS SHEET			CONSTRUCTION QUANTITIES - THIS SHEET		
C/L STATION	Approach, CI II, Modified (Ton)	Subbase, CIP (Cyd)	11 Sta	Machine Grading	
			854 Cyd	Subbase, CIP	
			1833 Ton	Aggregate Base	
			680 Ft	Underdrain, Subbase, 6 inch	
			30 Ft	Underdrain Outlet, 6 inch	
			2 Ea	Underdrain, Outlet Ending, 6 inch	
15+25 L	125	103			
TOTAL	125	103			
FINAL PLAN REVISIONS			CONSTRUCTION		
NO.	DATE	AUTH	DESCRIPTION	DUTCHER ROAD	
				STA 9+98.0 (POB) TO STA 20+00	
			CON1		
			13		

	SGI PROJECT NO: 132104SG2022		CONSTRUCTION		DRAWING	SHEET
	DATE: MARCH, 2022		DUTCHER ROAD		CON1	13
	FILE: LP_PLAN.DWG		STA 9+98.0 (POB) TO STA 20+00			

3/30/2022 2:05 PM ryan.sullivan

3/30/2022 11:52 AM ryan.sullivan



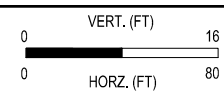
EX GROUND ROW LT
EX GROUND 14' LT
EX DITCH CENTERLINE LT
PROP EDGE OF GRAVEL 14' LT
PROP DITCH LT

EX GROUND ROW LT
EX GROUND 14' LT
EX DITCH CENTERLINE LT
PROP EDGE OF GRAVEL 14' LT
PROP DITCH LT

EX GROUND ROW LT
EX GROUND 14' LT
EX DITCH CENTERLINE LT
PROP EDGE OF GRAVEL 14' LT
PROP DITCH LT

EX GROUND ROW RT
EX GROUND 14' RT
EX DITCH CENTERLINE RT
PROP EDGE OF GRAVEL 14' RT
PROP DITCH RT

FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	



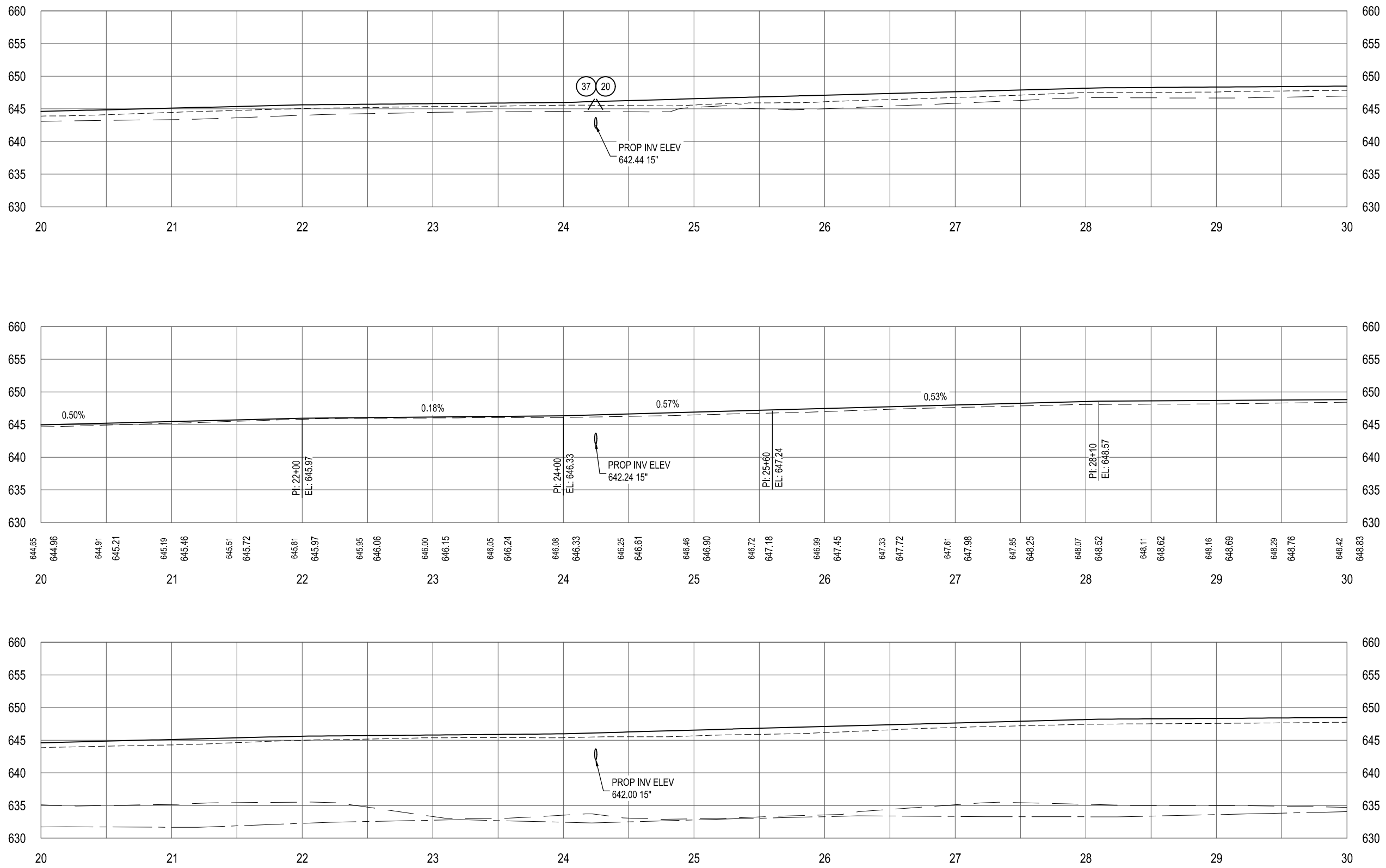
SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_PROF.DWG

PROFILE	
DUTCHER ROAD	
STA 9+98.0 (POB) TO STA 20+00	

DRAWING	SHEET
PROF1	14

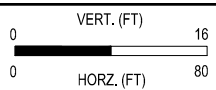
3/30/2022 2:05 PM ryan.sullivan

3/30/2022 11:53 AM ryan.sullivan



- EX GROUND ROW LT
- EX GROUND 14' LT
- EX DITCH CENTERLINE LT
- PROP EDGE OF GRAVEL 14' LT
- PROP DITCH LT
- EX CONST C/L
- PROP CONST C/L
- EX GROUND ROW RT
- EX GROUND 14' RT
- EX DITCH CENTERLINE RT
- PROP EDGE OF GRAVEL 14' RT
- PROP DITCH RT

FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	



SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_PROF.DWG

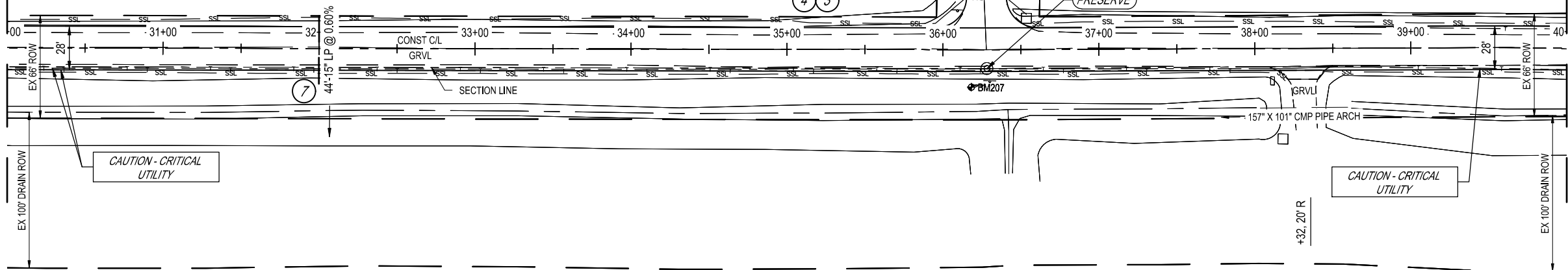
PROFILE	
DUTCHER ROAD	
STA 20+00 TO STA 30+00	

DRAWING	SHEET
PROF2	16

3/30/2022 12:08 PM Olivia Varadst

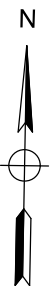
DUTCHER RD
BILL ROHLFS
DRAIN

STA 30+00



STA 40+00

BILL ROHLFS
DRAIN



DUTCHER RD

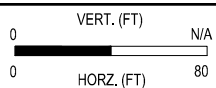
DRIVEWAY APPROACH QUANTITIES - THIS SHEET

C/L STATION	Approach, CII (Ton)
38+32 R	5
TOTAL	5

CONSTRUCTION QUANTITIES - THIS SHEET

10	Sta	Machine Grading
347	Cyd	Subbase, CIP
1333	Ton	Aggregate Base
210	Ft	Underdrain, Subbase, 6 inch

FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION

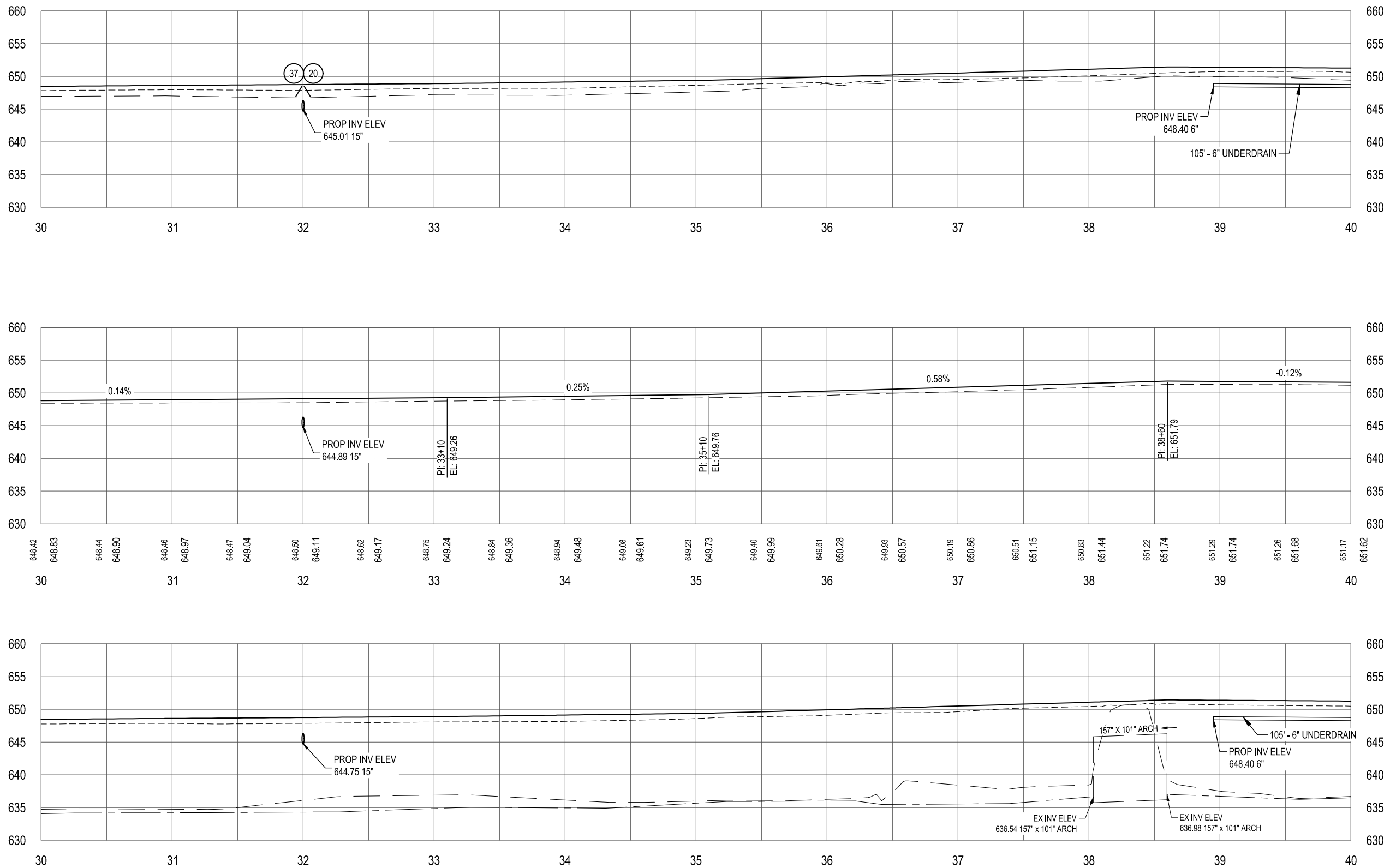


SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_PLAN.DWG

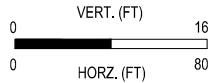
CONSTRUCTION	
DUTCHER ROAD	
STA 30+00 TO STA 40+00	

DRAWING	SHEET
CON3	17

3/30/2022 11:53 AM ryan.sullivan



FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	

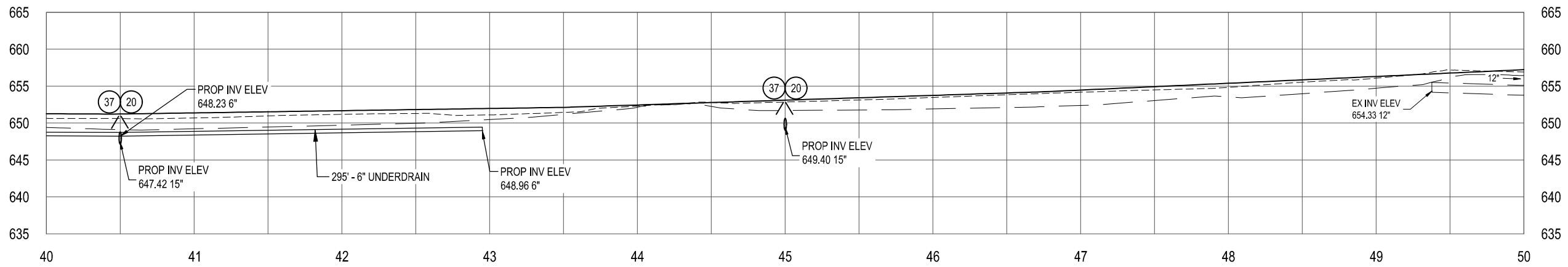


SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_PROF.DWG

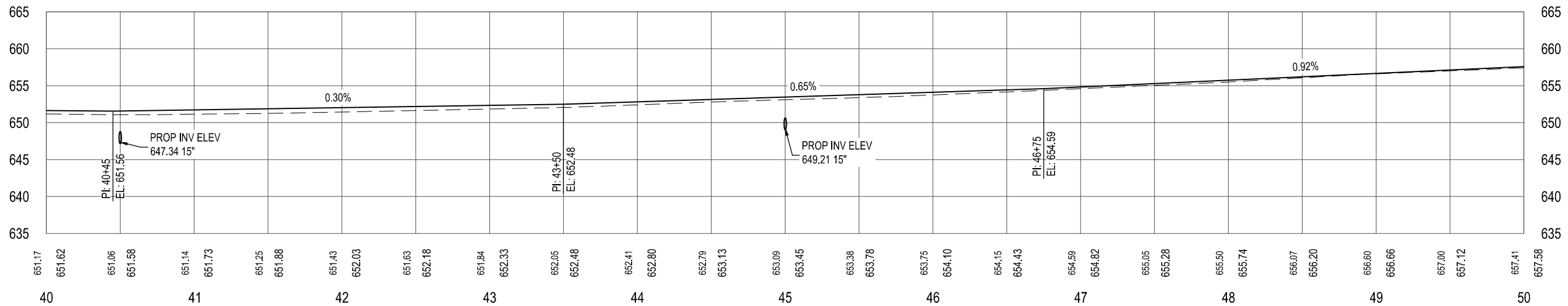
PROFILE	
DUTCHER ROAD	
STA 30+00 TO STA 40+00	

DRAWING	SHEET
PROF3	18

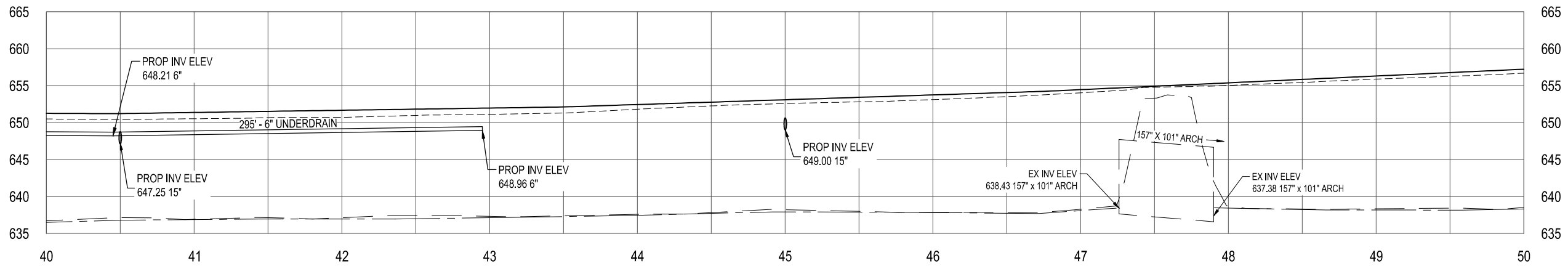
3/30/2022 11:53 AM ryan.sullivan



EX GROUND ROW LT
EX GROUND 14' LT
EX DITCH CENTERLINE LT
PROP EDGE OF GRAVEL 14' LT
PROP DITCH LT

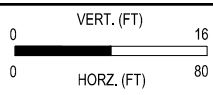


EX CONST C/L
PROP CONST C/L



EX GROUND ROW RT
EX GROUND 14' RT
EX DITCH CENTERLINE RT
PROP EDGE OF GRAVEL 14' RT
PROP DITCH RT

FINAL PLAN REVISIONS				
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SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_PROF.DWG

PROFILE	
DUTCHER ROAD	
STA 40+00 TO STA 50+00	

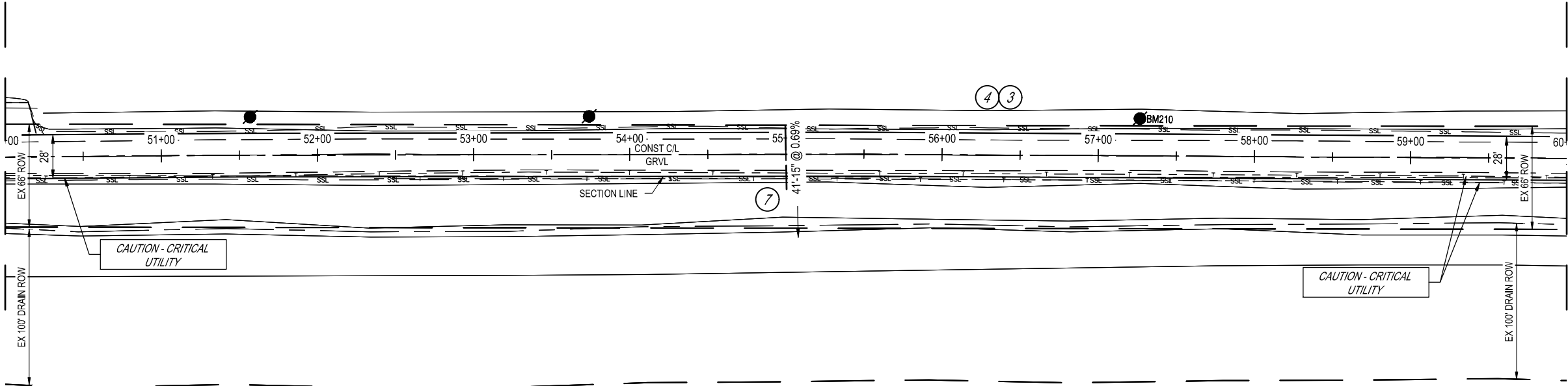
DRAWING	SHEET
PROF4	20

3/30/2022 12:08 PM Olivia Varadst

DUTCHER RD

BILL ROHLFS
DRAIN

STA 50+00



DUTCHER RD

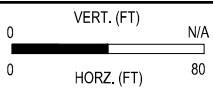
STA 60+00

BILL ROHLFS
DRAIN

CONSTRUCTION QUANTITIES - THIS SHEET

10	Sta	Machine Grading
408	Cyd	Subbase, CIP
1387	Ton	Aggregate Base
200	Ft	Underdrain, Subbase, 6 inch

FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION

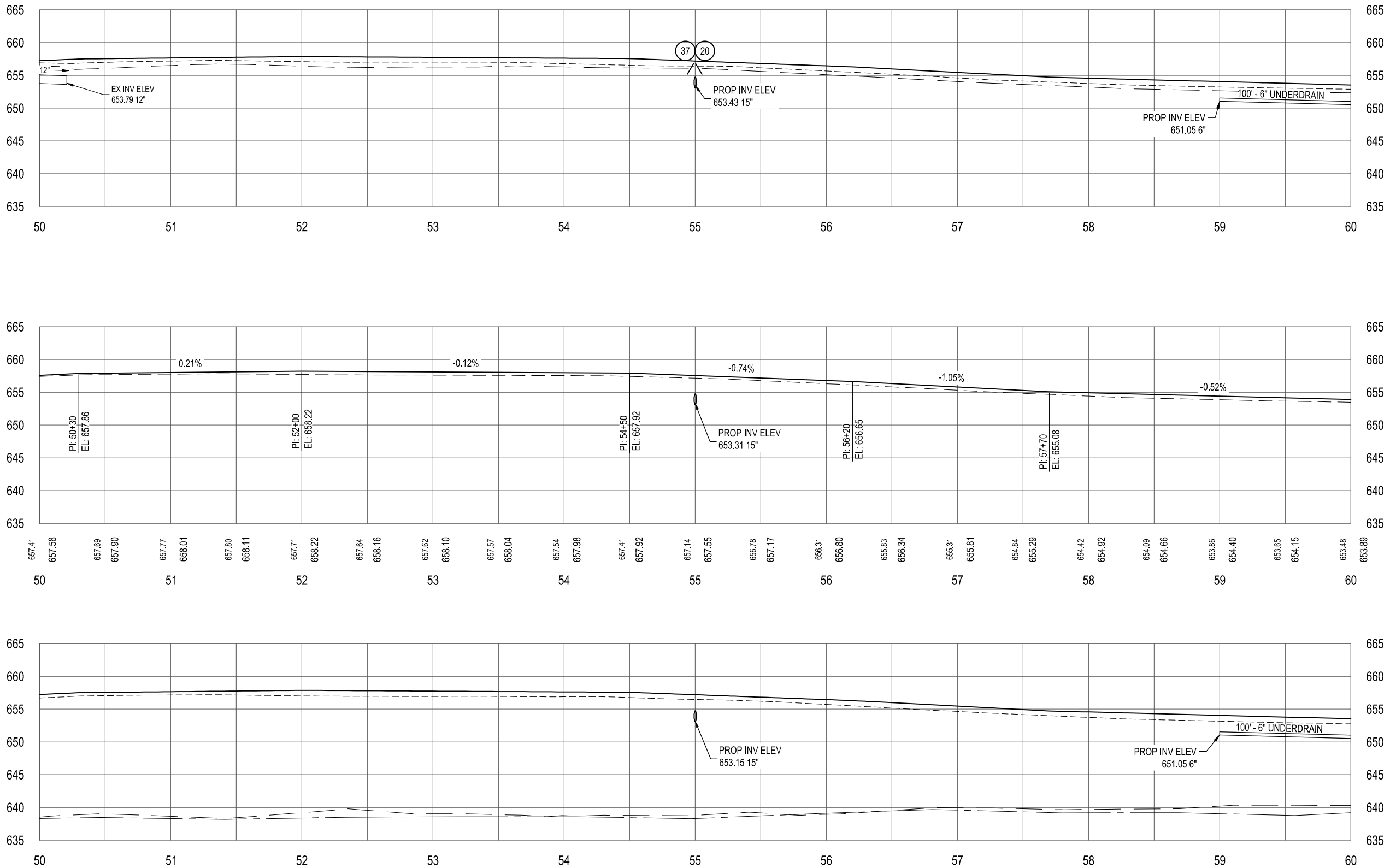


SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_PLAN.DWG

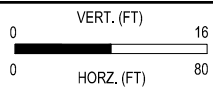
CONSTRUCTION	
DUTCHER ROAD	
STA 50+00 TO STA 60+00	

DRAWING	SHEET
CON5	21

3/30/2022 11:54 AM ryan.sullivan



FINAL PLAN REVISIONS				
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SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_PROF.DWG

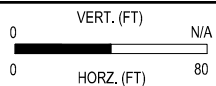
PROFILE		DRAWING	SHEET
DUTCHER ROAD			
STA 50+00 TO STA 60+00		PROF5	22

3/30/2022 12:09 PM Olivia Varadit

DRIVEWAY APPROACH QUANTITIES - THIS SHEET

C/L STATION	Approach, CI II, Modified (Ton)
63+54 L	45
TOTAL	45

FINAL PLAN REVISIONS			
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SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_PLAN.DWG

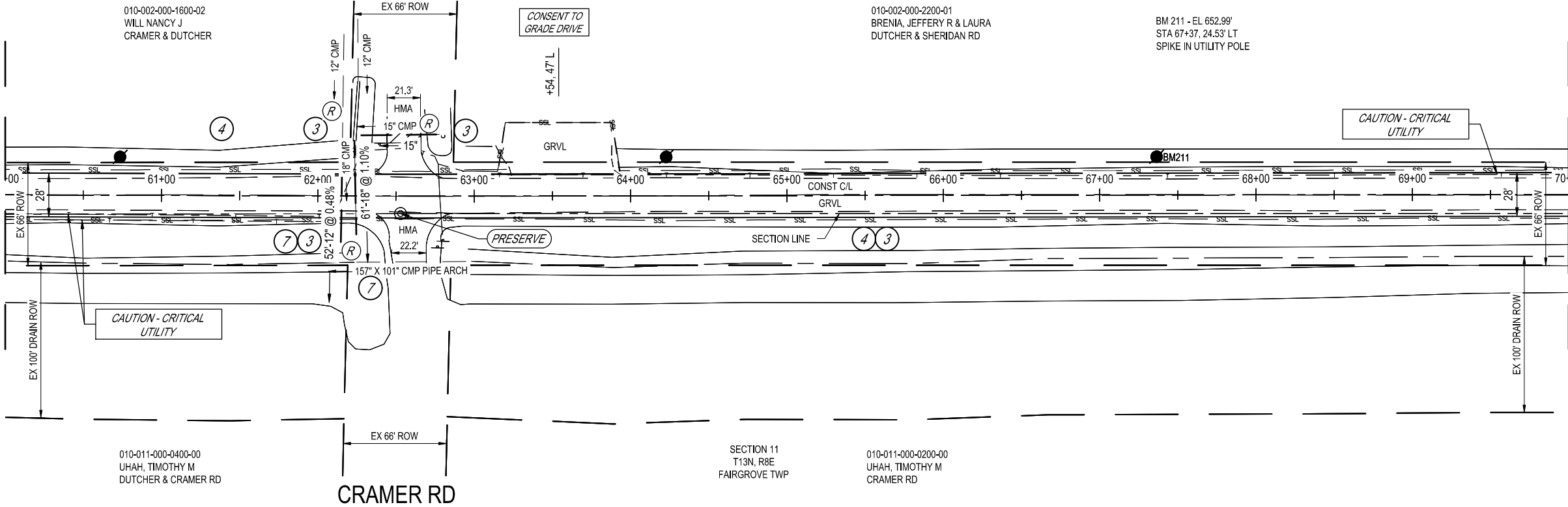
CONSTRUCTION QUANTITIES - THIS SHEET		
10	Sta	Machine Grading
382	Cyd	Subbase, CIP
1363	Ton	Aggregate Base
448	Ft	Underdrain, Subbase, 6 inch
35	Ft	Underdrain Outlet, 6 inch
2	Ea	Underdrain, Outlet Ending, 6 inch

CONSTRUCTION		DRAWING	SHEET
DUTCHER ROAD			
STA 60+00 TO STA 70+00		CON6	23

DUTCHER RD

BILL ROHLFS DRAIN

STA 60+00



STA 70+00

BILL ROHLFS DRAIN

DUTCHER RD



Sta 62+52, 39' L
1 Ea Culv, Rem
9 Ton Aggregate Base
48 Ft Culv, CI A, 15 inch

SECTION 2
T13N, R8E
FAIRGROVE TWP

010-002-000-2200-01
BRENIA, JEFFERY R & LAURA
DUTCHER & SHERIDAN RD

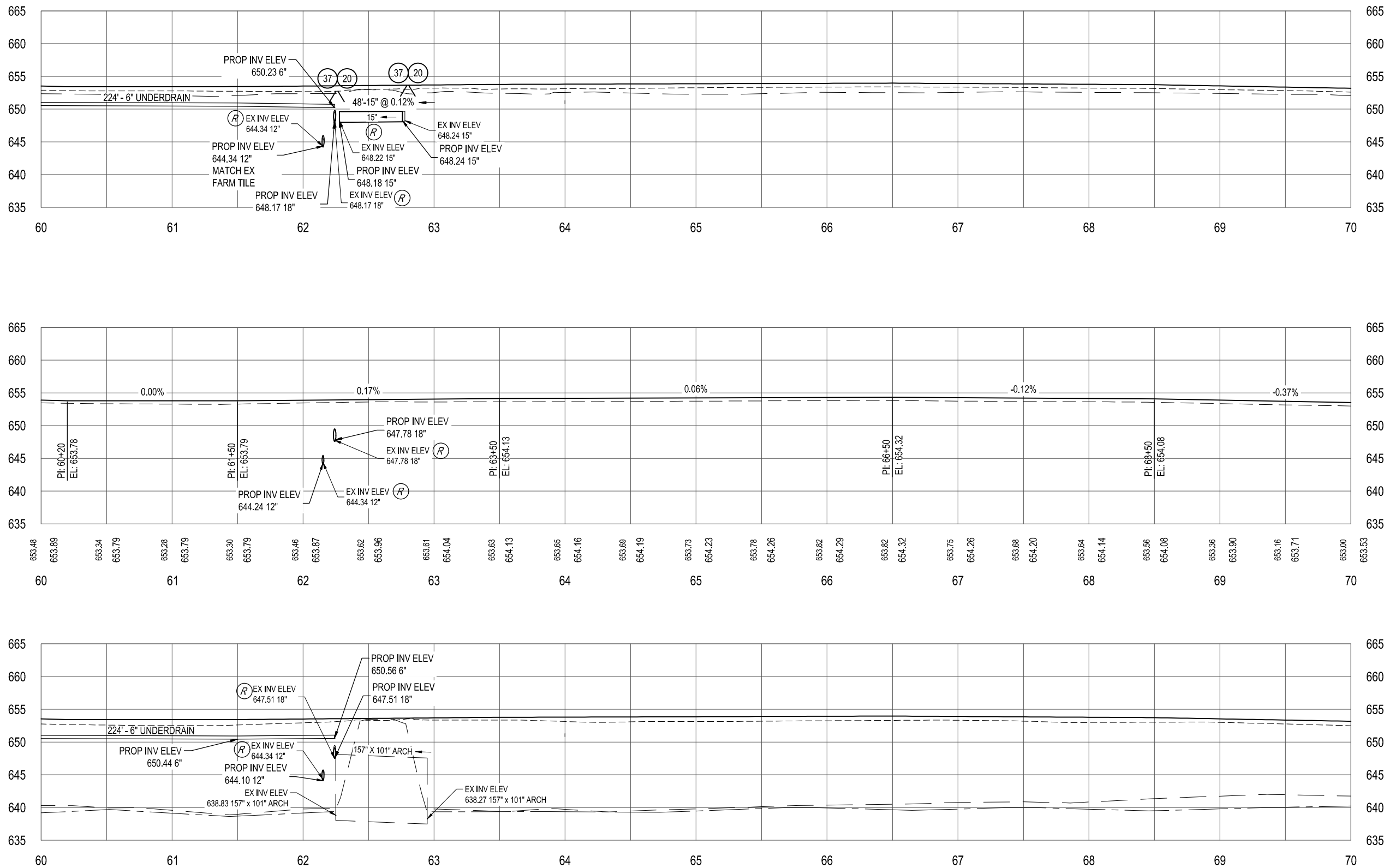
BM 211 - EL 652.99'
STA 67+37, 24.53' LT
SPIKE IN UTILITY POLE

INTERSECTION QUANTITIES - CRAMER RD			
25	Syd	HMA Surface, Rem	
5	Ton	HMA Approach (To be completed by others)	

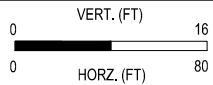
Sta 62+15
1 Ea Culv, Rem
11 Ton Aggregate Base
52 Ft Culv, CI A, 12 inch
10 Syd Riprap, Plain

Sta 62+24
1 Ea Culv, Rem
11 Ton Aggregate Base
60 Ft Culv, CI A, 18 inch
10 Syd Riprap, Plain

3/30/2022 11:54 AM ryan.sullivan



FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	



SGI PROJECT NO: 132104SG2022
DATE: MARCH, 2022
FILE: LP_PROF.DWG

PROFILE		DRAWING	SHEET
DUTCHER ROAD		PROF6	24
STA 60+00 TO STA 70+00			

3/30/2022 2:05 PM Ryan.Sullivan

DUTCHER RD

BILL ROHLFS
DRAIN

STA 70+00

STA 71+00
11 Ton Aggregate Base
42 Ft Culv, CI A, 15 inch
10 Syd Riprap, Plain

BM 212 - EL 651.65'
STA 73+60, 24.06' LT
SPIKE IN UTILITY POLE

SECTION 2
T13N, R8E
FAIRGROVE TWP

010-002-000-2200-01
BRENIA, JEFFERY R & LAURA
DUTCHER & SHERIDAN RD

STA 77+75
13 Ton Aggregate Base
45 Ft Culv, CI A, 24 inch
10 Syd Riprap, Plain

BM 213 - EL 651.56'
STA 79+87, 24.76' LT
SPIKE IN UTILITY POLE

CAUTION - CRITICAL
UTILITY

CAUTION - CRITICAL
UTILITY



DUTCHER RD

STA 80+00

BILL ROHLFS
DRAIN

EX 66' ROW

EX 66' ROW

EX 100' DRAIN ROW

EX 100' DRAIN ROW

010-011-000-0200-00
UHAH, TIMOTHY M
CRAMER RD

SECTION 2
T13N, R8E
FAIRGROVE TWP

010-011-000-0100-06
TURNER, ROBERT E
V/L N SHERIDAN RD & DUTCHER RD

CONSTRUCTION QUANTITIES - THIS SHEET
10 Sta Machine Grading
421 Cyd Subbase, CIP
1399 Ton Aggregate Base

FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION

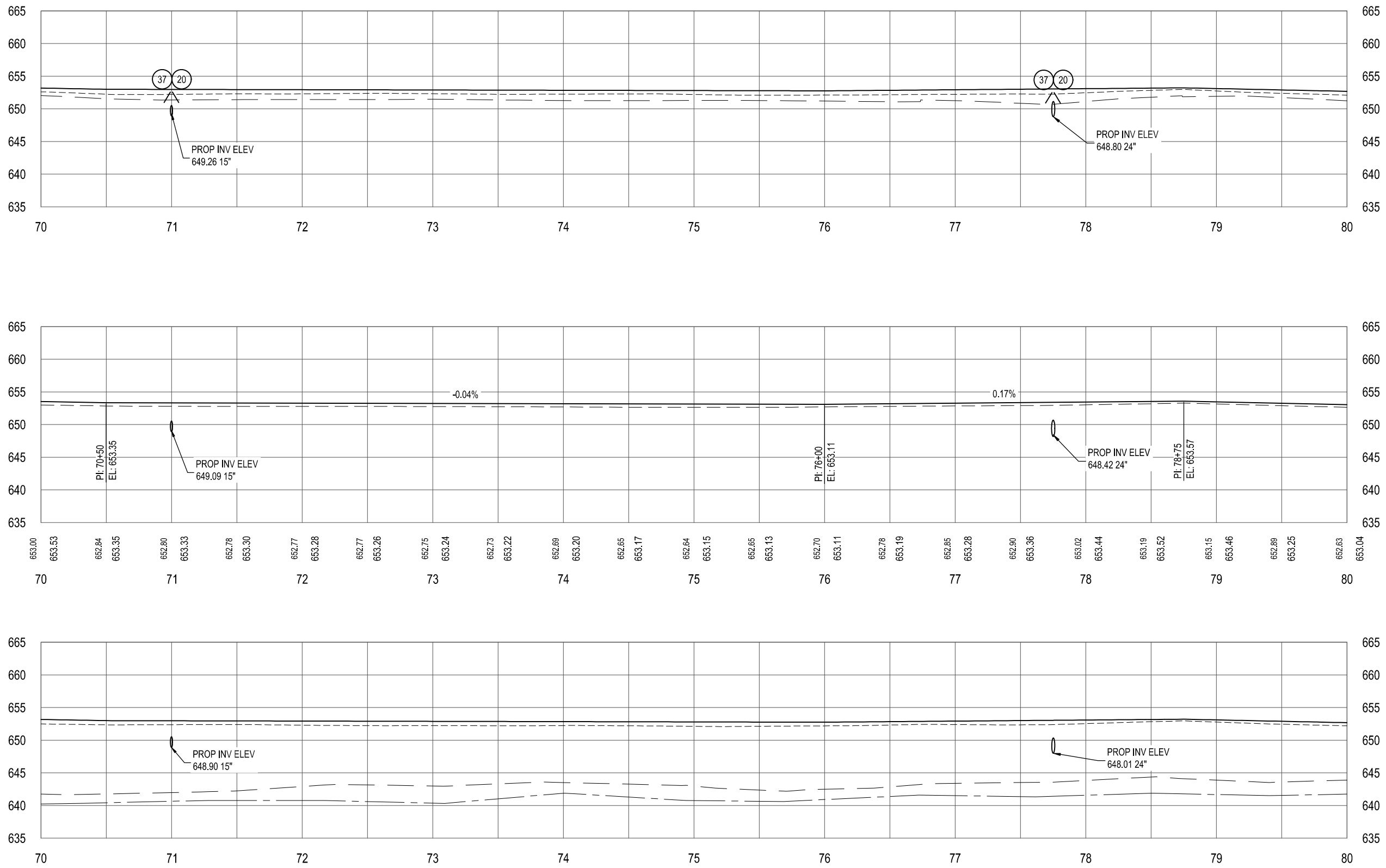


VERT. (FT) 0 N/A
HORIZ. (FT) 0 80

SGI PROJECT NO: 132104SG2022
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FILE: LP_PLAN.DWG

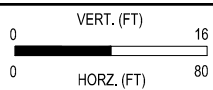
CONSTRUCTION		DRAWING	SHEET
DUTCHER ROAD		CON7	25
STA 70+00 TO STA 80+00			

3/30/2022 11:54 AM ryan.sullivan



- EX GROUND ROW LT
- EX GROUND 14' LT
- EX DITCH CENTERLINE LT
- PROP EDGE OF GRAVEL 14' LT
- PROP DITCH LT
- EX CONST C/L
- PROP CONST C/L
- EX GROUND ROW RT
- EX GROUND 14' RT
- EX DITCH CENTERLINE RT
- PROP EDGE OF GRAVEL 14' RT
- PROP DITCH RT

FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	



SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_PROF.DWG

PROFILE	
DUTCHER ROAD	
STA 70+00 TO STA 80+00	

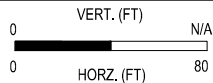
DRAWING	SHEET
PROF7	26

3/30/2022 12:55 PM Olivia Varadit

DRIVEWAY APPROACH QUANTITIES - THIS SHEET

C/L STATION	Approach, CII, Modified (Ton)
82+60 R	10
83+69 R	15
89+69 L	25
TOTAL	50

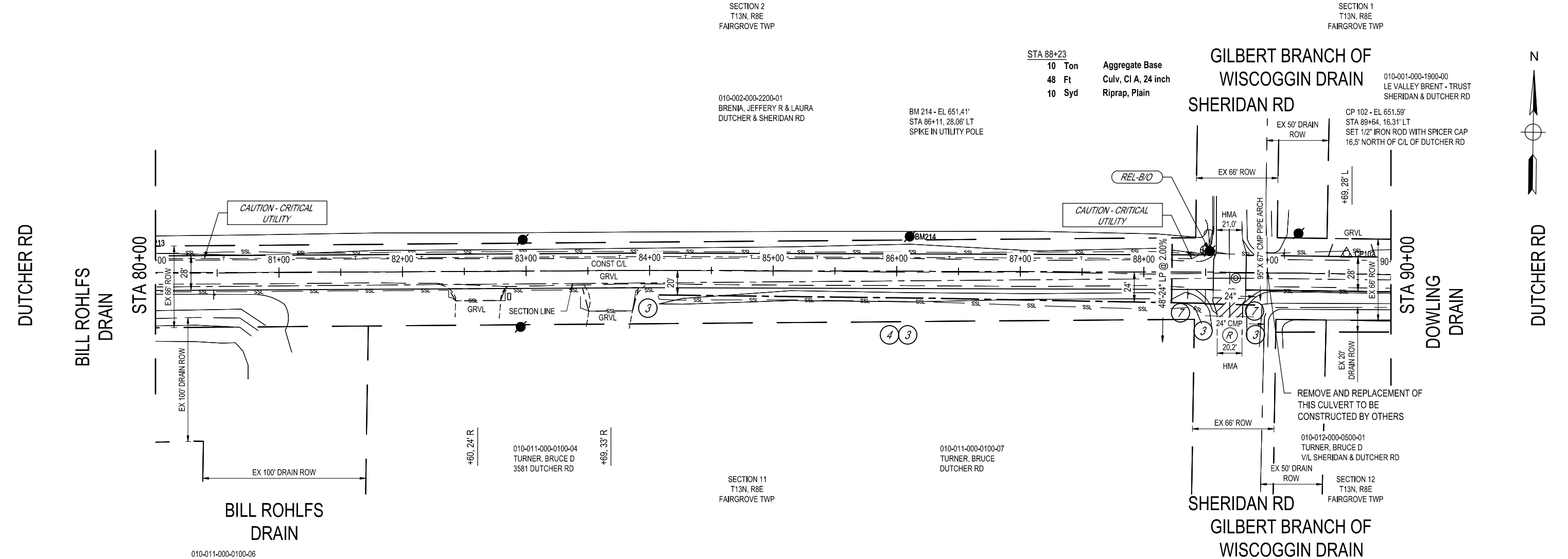
FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_PLAN.DWG

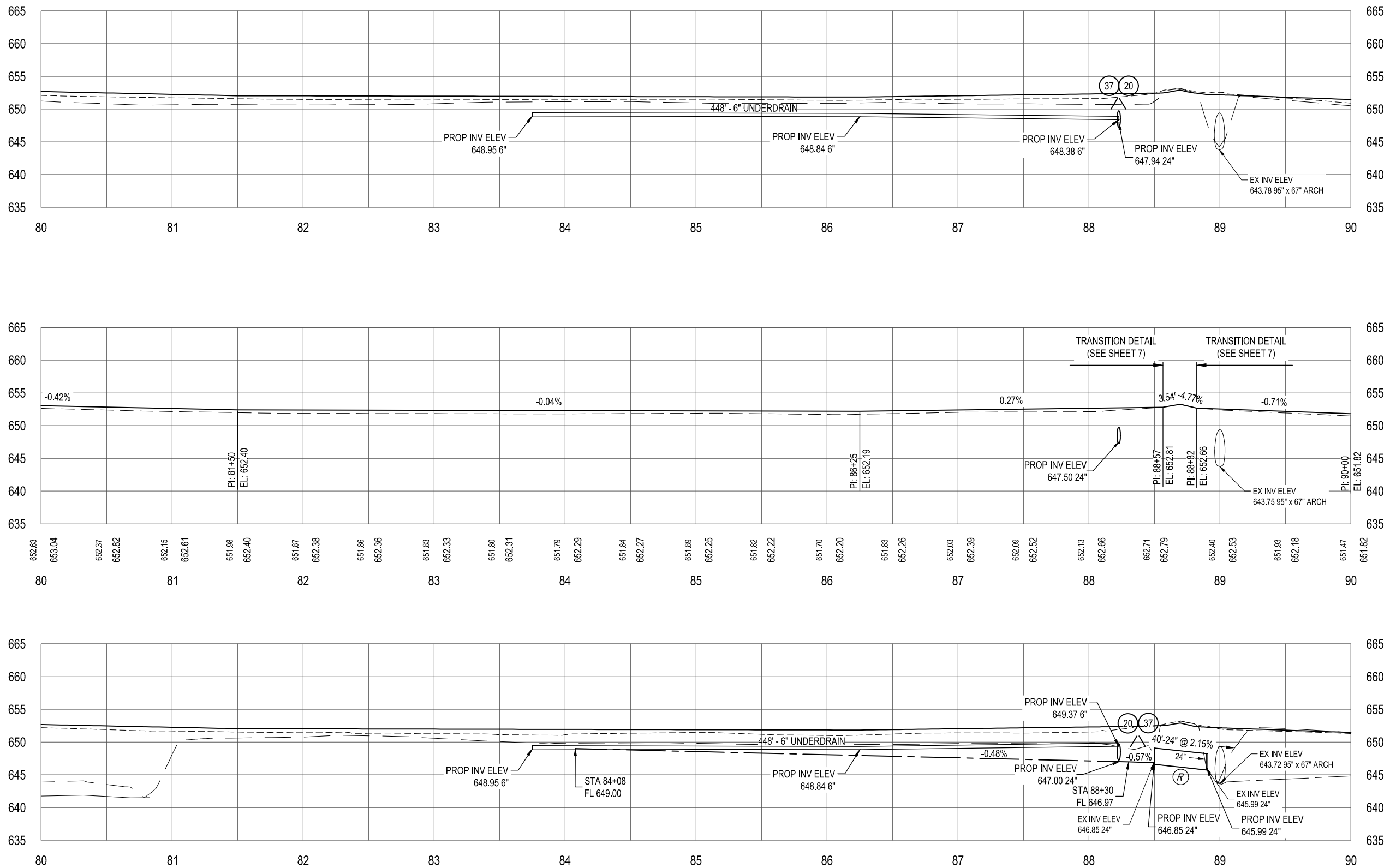
CONSTRUCTION QUANTITIES - THIS SHEET	
366	Cyd Subbase, CIP
1322	Ton Aggregate Base
896	Ft Underdrain, Subbase, 6 inch
25	Ft Underdrain Outlet, 6 inch
2	Ea Underdrain, Outlet Ending, 6 inch

CONSTRUCTION		DRAWING	SHEET
DUTCHER ROAD			
STA 80+00 TO STA 90+00		CON8	27



INTERSECTION QUANTITIES - SHERIDAN RD			
49	Syd	HMA Surface, Rem	
10	Ton	HMA Approach (To be completed by others)	
STA 88+70, 26' R			
1	Ea	Culv, Rem	
17	Ton	Aggregate Base	
40	Ft	Culv, CI A, 24 inch	
10	Syd	Riprap, Plain	

3/30/2022 11:55 AM ryan.sullivan

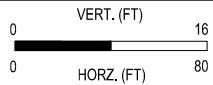


EX GROUND ROW LT
EX GROUND 14' LT
EX DITCH CENTERLINE LT
PROP EDGE OF GRAVEL 14' LT
PROP DITCH LT

EX CONST CIL
PROP CONST CIL

EX GROUND ROW RT
EX GROUND 14' RT
EX DITCH CENTERLINE RT
PROP EDGE OF GRAVEL 14' RT
PROP DITCH RT

FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	

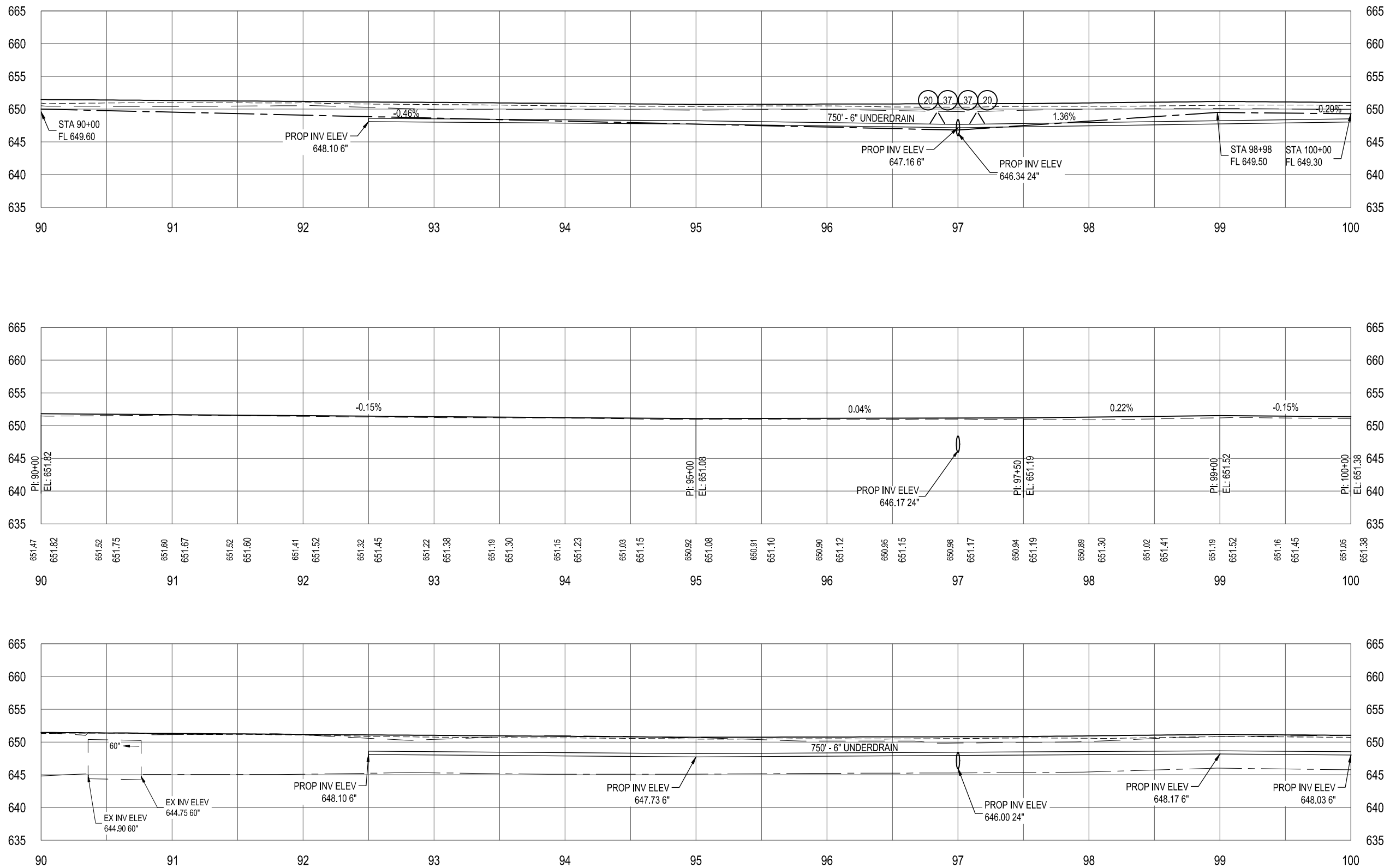


SGI PROJECT NO: 132104SG2022
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PROFILE	
DUTCHER ROAD	
STA 80+00 TO STA 90+00	

DRAWING	SHEET
PROF8	28

3/30/2022 11:55 AM ryan.sullivan



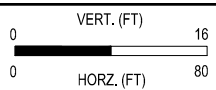
EX GROUND ROW LT
EX GROUND 14' LT
EX DITCH CENTERLINE LT
PROP EDGE OF GRAVEL 14' LT
PROP DITCH LT

EX C/L ELEV
PROP C/L ELEV

EX CONST C/L
PROP CONST C/L

EX GROUND ROW RT
EX GROUND 14' RT
EX DITCH CENTERLINE RT
PROP EDGE OF GRAVEL 14' RT
PROP DITCH RT

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PROFILE	
DUTCHER ROAD	
STA 90+00 TO STA 100+00	

DRAWING	SHEET
PROF9	30

3/30/2022 2:05 PM Ryan.Sullivan

DUTCHER RD

DOWLING
DRAIN

STA 100+00

010-001-000-1900-00
LE VALLEY BRENT - TRUST
SHERIDAN & DUTCHER RD

010-012-000-0500-01
TURNER, BRUCE D
V/L SHERIDAN & DUTCHER RD

BM 218 - EL 653.13'
STA 103+47, 37.45' RT
SPIKE IN UTILITY POLE

SECTION 1
T13N, R8E
FAIRGROVE TWP

SECTION 1
T13N, R8E
FAIRGROVE TWP

STA 105+50
11 Ton Aggregate Base
43 Ft Culv, C/A, 18 inch
10 Syd Riprap, Plain

010-001-000-1800-01
LE VALLEY BRENT - TRUST
DUTCHER & SHERIDAN RD

010-012-000-0400-00
DONALD E MANTEY LLC
V/L DUTCHER RD

BM 219 - EL 654.40'
STA 107+42, 40.77' RT
SPIKE IN UTILITY POLE

STA 110+00

DOWLING
DRAIN

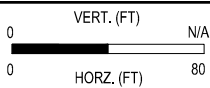
DUTCHER RD



CONSTRUCTION QUANTITIES - THIS SHEET

10	Sta	Machine Grading
382	Cyd	Subbase, CIP
1364	Ton	Aggregate Base
400	Ft	Underdrain, Subbase, 6 inch

FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION

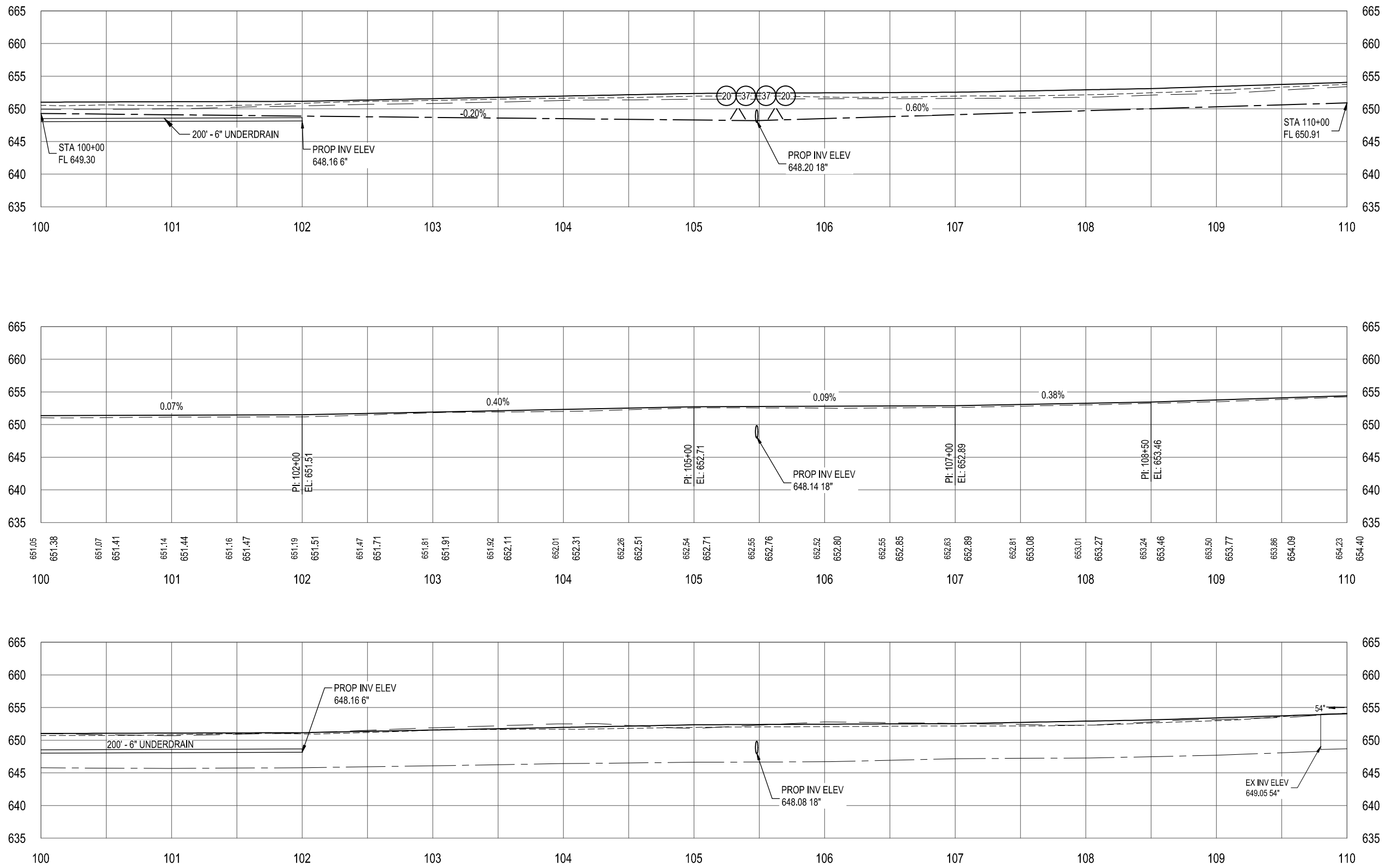


SGI PROJECT NO:	132104SG2022
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CONSTRUCTION	
DUTCHER ROAD	
STA 100+00 TO STA 110+00	

DRAWING	SHEET
CON10	31

3/30/2022 11:55 AM ryan.sullivan



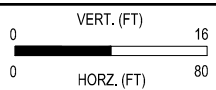
EX GROUND ROW LT
EX GROUND 14' LT
EX DITCH CENTERLINE LT
PROP EDGE OF GRAVEL 14' LT
PROP DITCH LT

EX C/L ELEV
PROP C/L ELEV

EX CONST C/L
PROP CONST C/L

EX GROUND ROW RT
EX GROUND 14' RT
EX DITCH CENTERLINE RT
PROP EDGE OF GRAVEL 14' RT
PROP DITCH RT

FINAL PLAN REVISIONS				
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SGI PROJECT NO:	132104SG2022
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PROFILE	
DUTCHER ROAD	
STA 100+00 TO STA 110+00	

DRAWING	SHEET
PROF10	32

3/30/2022 1:10 PM Olivia.Vanalis

DUTCHER RD

DOWLING DRAIN

STA 110+00

010-001-000-1800-01
LE VALLEY BRENT - TRUST
DUTCHER & SHERIDAN RD

010-001-000-1800-02
RIDDLE, AARON
3270 DUTCHER RD

010-001-000-1800-01
LE VALLEY BRENT - TRUST
DUTCHER & SHERIDAN RD

010-001-000-2000-01
RUSSELL RICKY L - TRUST
V/L DUTCHER & UNIONVILLE RD

010-012-000-0400-00
DONALD E MANTEY LLC
V/L DUTCHER RD

BM 220 - EL 656.25'
STA 113+25, 40.36' RT
SPIKE IN UTILITY POLE

SECTION 12
T13N, R8E
FAIRGROVE TWP

BM 221 - EL 657.18'
STA 115+23, 40.99' RT
SPIKE IN UTILITY POLE

010-012-000-0100-00
DONALD E MANTEY LLC
V/L DUTCHER RD

BM 222 - EL 659.96'
STA 119+50, 42.59' RT
SPIKE IN UTILITY POLE

STA 120+00

DOWLING DRAIN

DUTCHER RD



DRIVEWAY APPROACH QUANTITIES - THIS SHEET

C/L STATION	Approach, CI II (Ton)	Approach, CI II, Modified (Ton)
110+00 R	5	
113+59 L	10	
114+42 L	10	
115+57 R		10
115+76 L		15
TOTAL	25	25

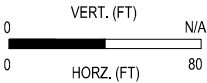
DRAINAGE STRUCTURE TABLE - THIS SHEET

STR NO	Dr Structure, 12 inch Tee Riser (Ea)	Sewer, CI A, 12 inch, Tr Det B (Ft)
1	1	88
2	1	64
3	1	92
TOTAL	3	244

CONSTRUCTION QUANTITIES - THIS SHEET

1 Ea	Tree, Rem, 6 inch to 18 inch
10 Sta	Machine Grading
370 Cyd	Subbase, CIP
1353 Ton	Aggregate Base

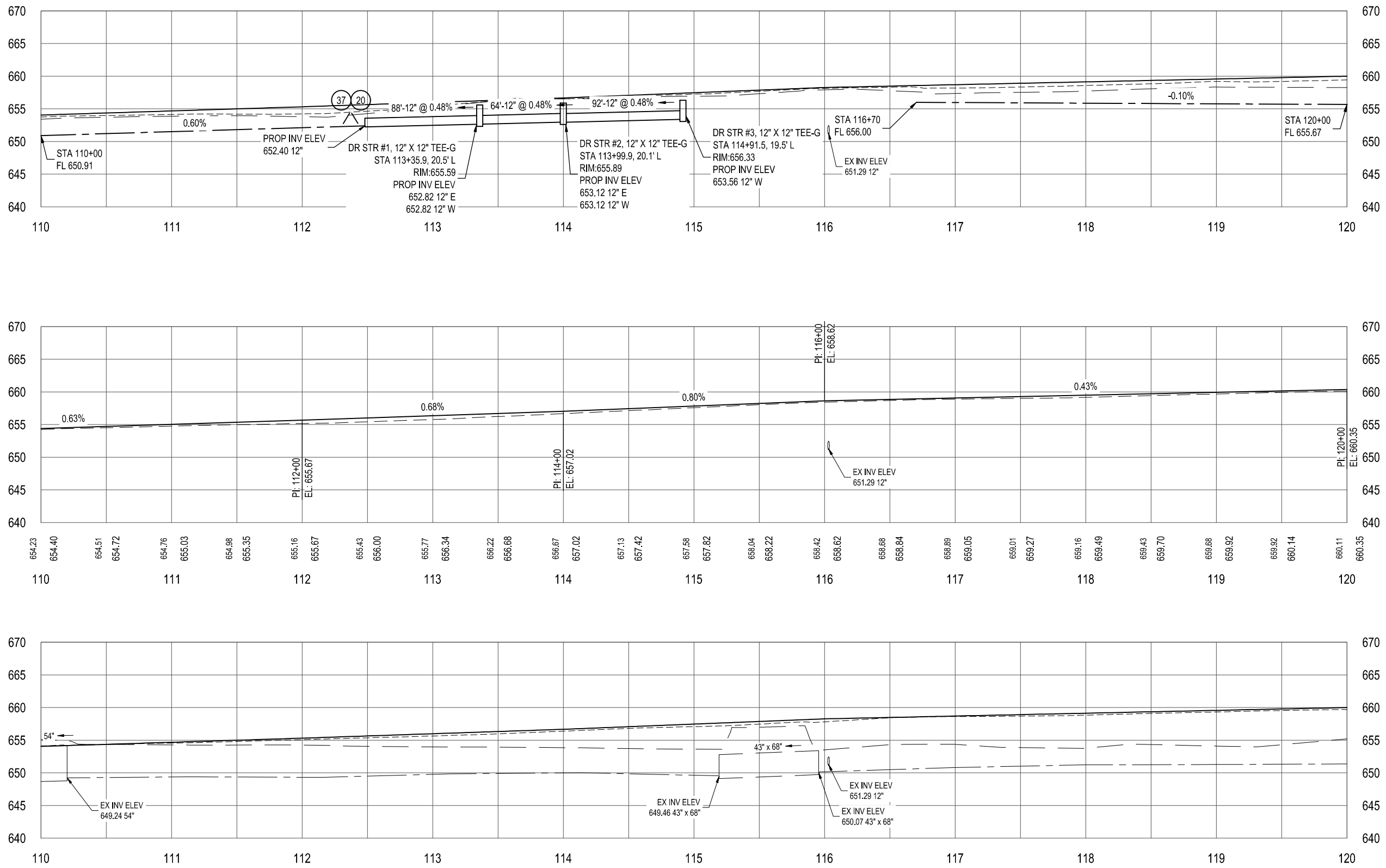
FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
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CONSTRUCTION		DRAWING	SHEET
DUTCHER ROAD			
STA 110+00 TO STA 120+00		CON11	33

3/30/2022 11:56 AM ryan.sullivan

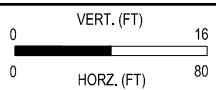


EX GROUND ROW LT
EX GROUND 14' LT
EX DITCH CENTERLINE LT
PROP EDGE OF GRAVEL 14' LT
PROP DITCH LT

EX CONST C/L
PROP CONST C/L

EX GROUND ROW RT
EX GROUND 14' RT
EX DITCH CENTERLINE RT
PROP EDGE OF GRAVEL 14' RT
PROP DITCH RT

FINAL PLAN REVISIONS				
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SGI PROJECT NO:	132104SG2022
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PROFILE	
DUTCHER ROAD	
STA 110+00 TO STA 120+00	

DRAWING	SHEET
PROF11	34

3/30/2022 2:05 PM Ryan.Sullivan

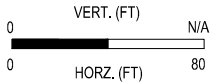
DRIVEWAY APPROACH QUANTITIES - THIS SHEET

C/L STATION	Approach, CI II, Modified (Ton)
121+78 R	5
128+53 R	5
TOTAL	10

CONSTRUCTION QUANTITIES - THIS SHEET

10	Sta	Machine Grading
316	Cyd	Subbase, CIP
1302	Ton	Aggregate Base
900	Ft	Underdrain, Subbase, 6 inch
20	Ft	Underdrain Outlet, 6 inch
2	Ea	Underdrain, Outlet Ending, 6 inch

FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



SGI PROJECT NO:	132104SG2022
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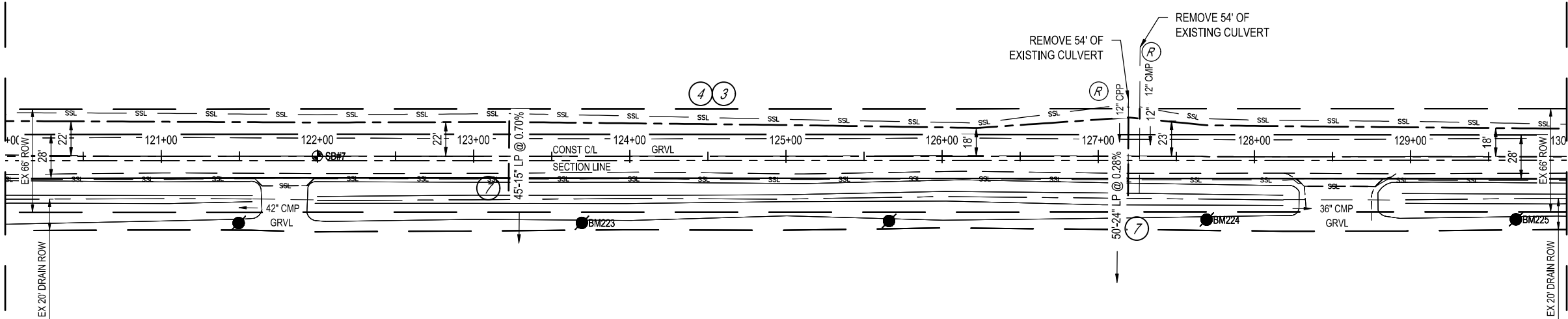
CONSTRUCTION	
DUTCHER ROAD	
STA 120+00 TO STA 130+00	

DRAWING	SHEET
CON12	35

DUTCHER RD

DOWLING DRAIN

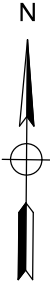
STA 120+00



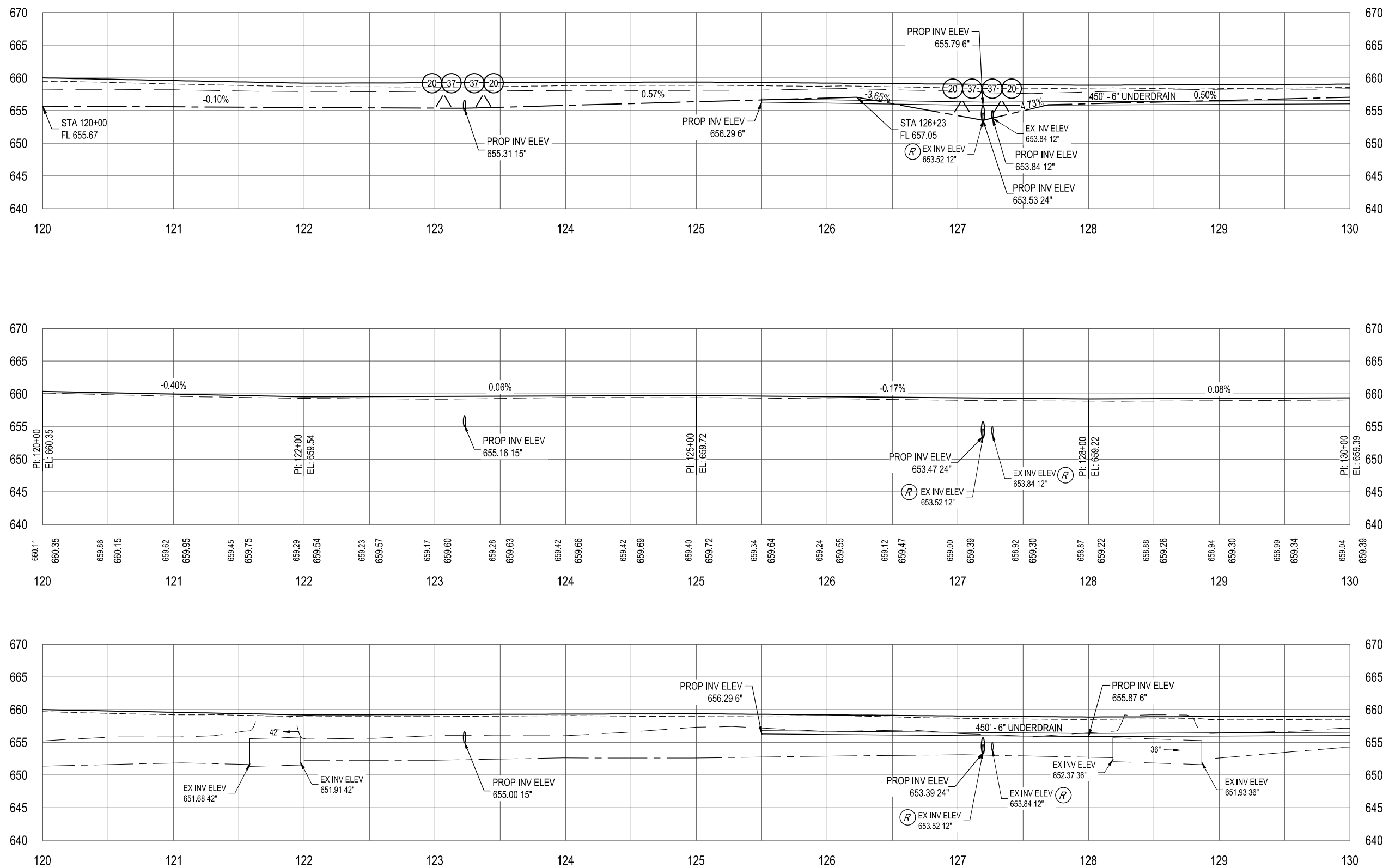
DOWLING DRAIN

STA 130+00

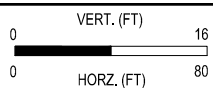
DUTCHER RD



3/30/2022 11:56 AM ryan.sullivan



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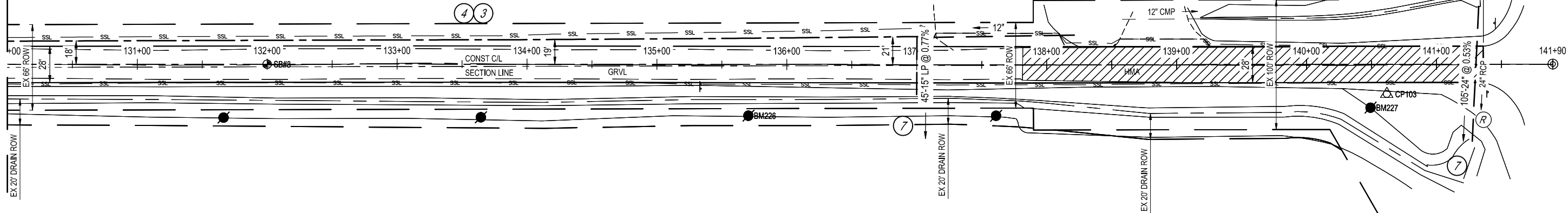


SGI PROJECT NO: 132104SG2022
DATE: MARCH, 2022
FILE: LP_PROF.DWG

PROFILE		DRAWING	SHEET
DUTCHER ROAD		PROF12	36
STA 120+00 TO STA 130+00			

3/30/2022 2:05 PM Ryan.Sullivan

DUTCHER RD
STA 130+00



M-24

DUTCHER RD

DOWLING DRAIN



M-24

DRIVEWAY APPROACH QUANTITIES - THIS SHEET

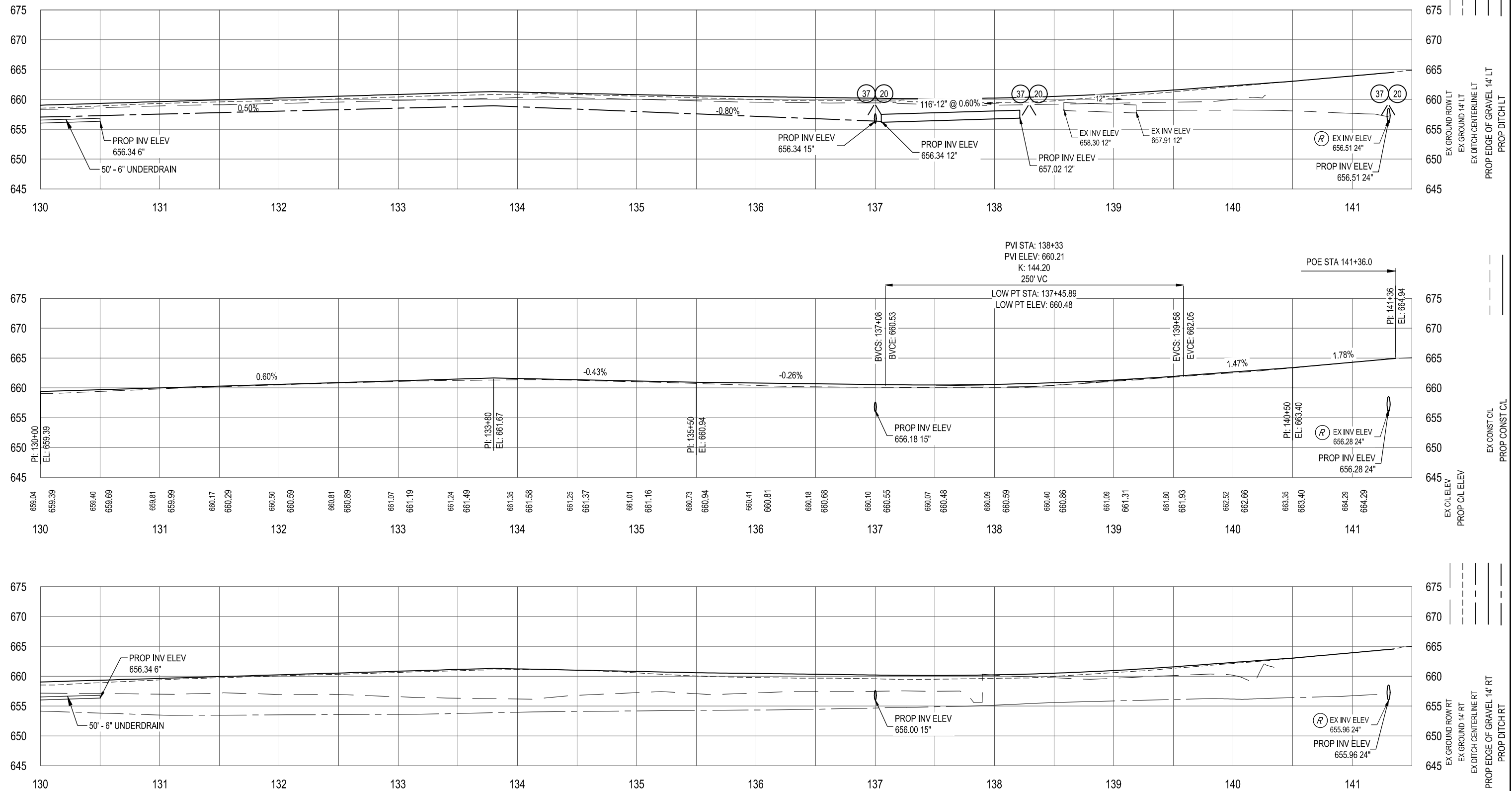
C/L STATION	Approach, CI II (Ton)	Approach, CI II, Modified (Ton)
137+62 L		50
138+89 L	10	
TOTAL	10	50

CONSTRUCTION QUANTITIES - THIS SHEET

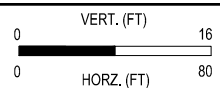
12 Sta	Machine Grading
232 Cyd	Subbase, CIP
1376 Ton	Aggregate Base
100 Ft	Underdrain, Subbase, 6 inch
1070 Syd	HMA Surface, Rem

FINAL PLAN REVISIONS				 <div>Tuscola County Road Commission 1750 Main Cape May NJ 08723 Phone: 856-673-2100 Fax: 856-673-3254</div> 	VERT. (FT) 0 N/A		SGI PROJECT NO: 132104SG2022		CONSTRUCTION		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION		0 HORZ. (FT) 80		DATE: MARCH, 2022		DUTCHER ROAD		CON13	37
							FILE: LP_PLAN.DWG		STA 130+00 TO STA 141+36.0 (POE)			

3/30/2022 11:56 AM ryan.sullivan



FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	



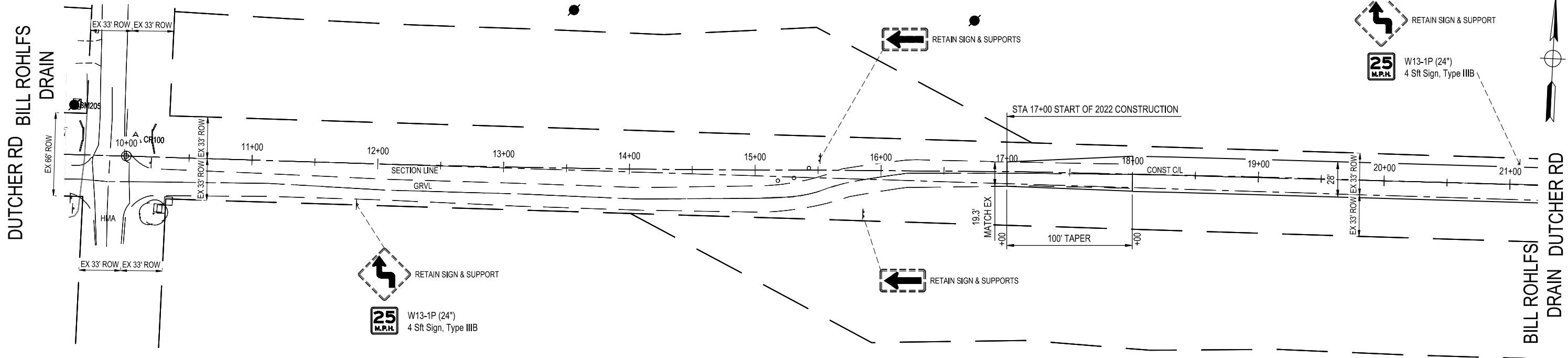
SGI PROJECT NO: 132104SG2022
DATE: MARCH, 2022
FILE: LP_PROF.DWG

PROFILE		DRAWING	SHEET
DUTCHER ROAD		PROF13	38
STA 130+00 TO STA 141+36.0 (POE)			

3/30/2022 1:09 PM Olivia Vanalet

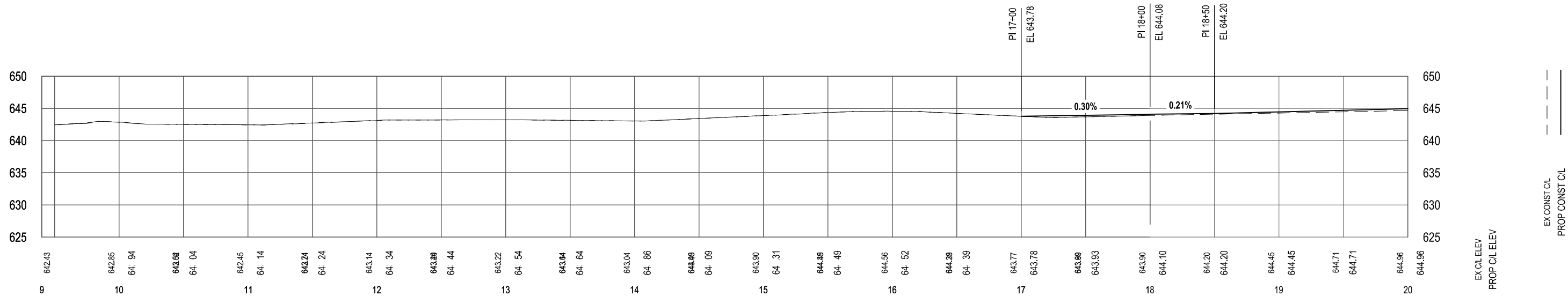
DUTCHER RD
BILL ROHLFS
DRAIN

MERRY RD

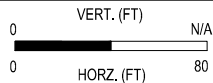


MERRY RD

BILL ROHLFS
DRAIN DUTCHER RD



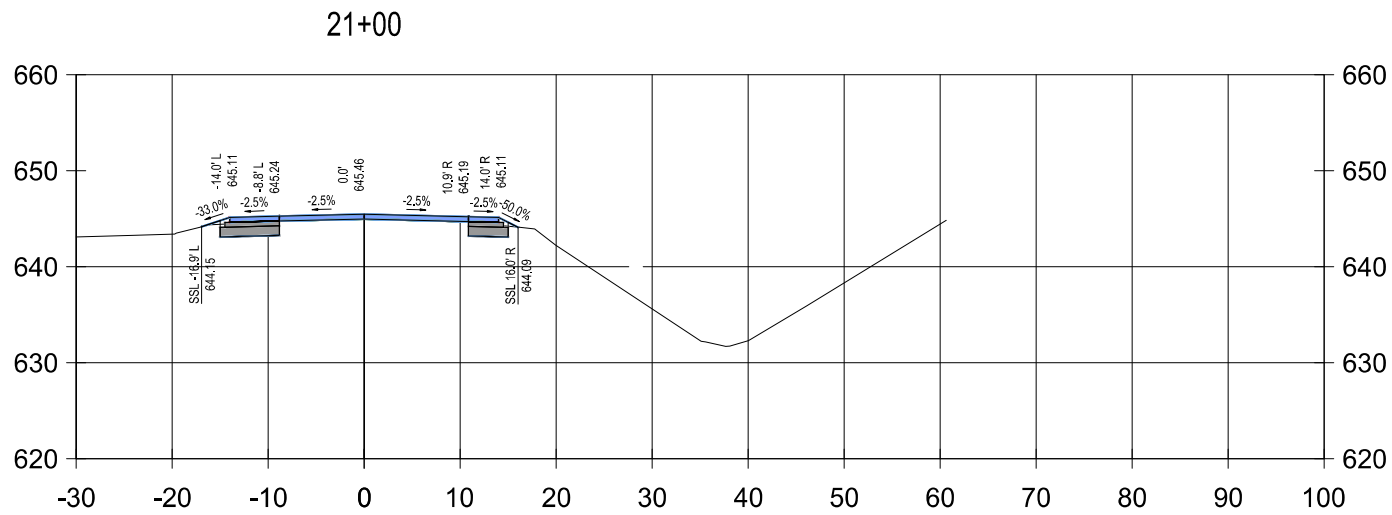
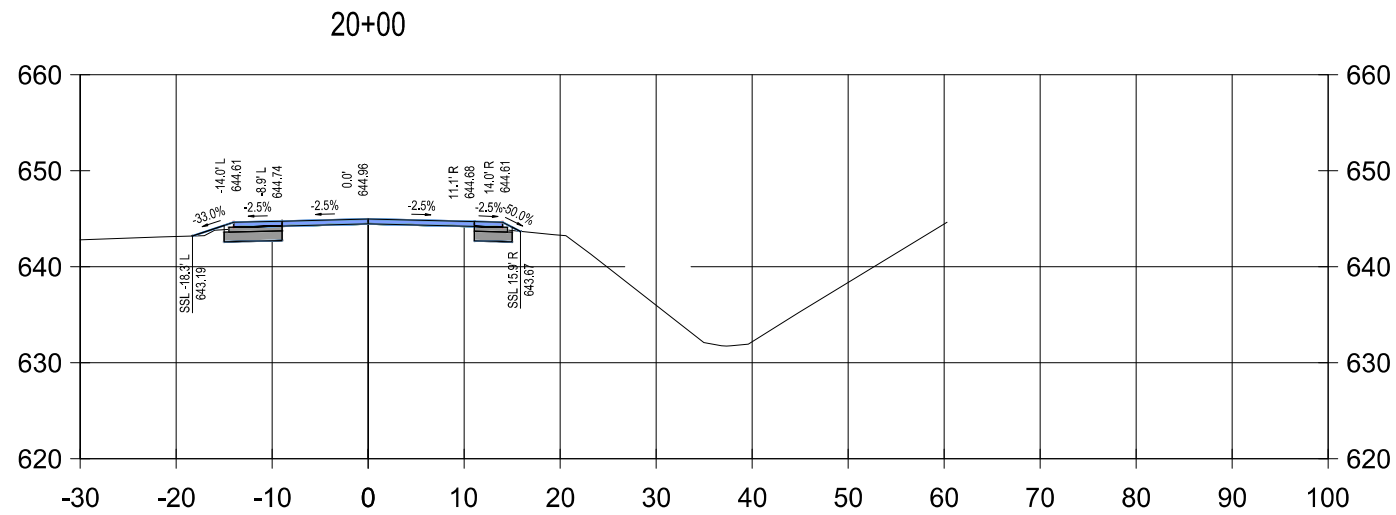
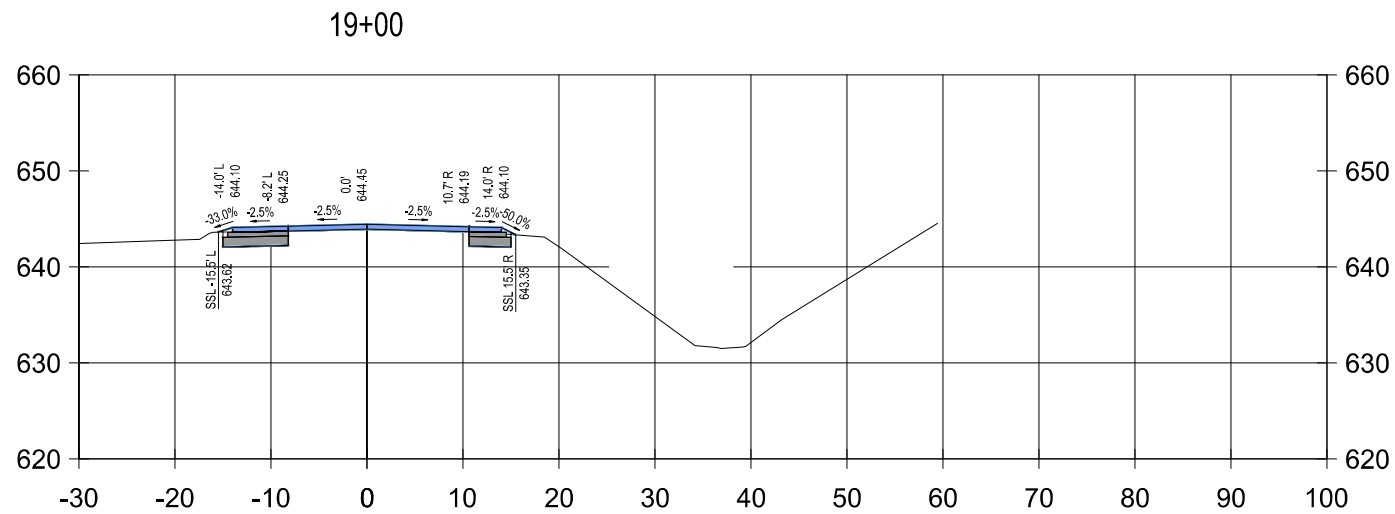
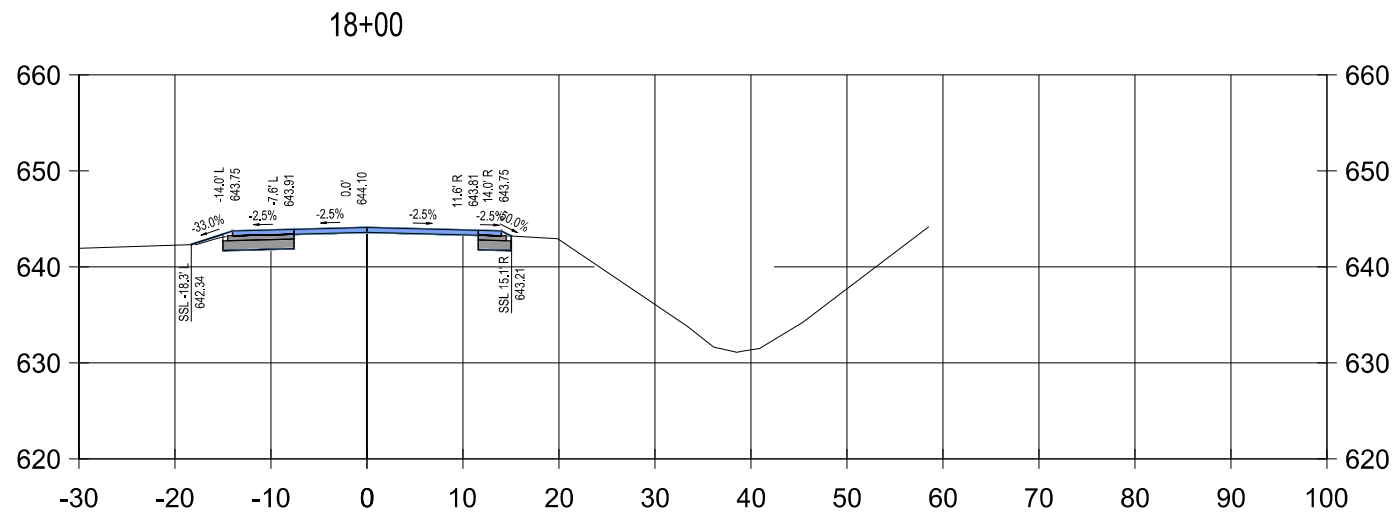
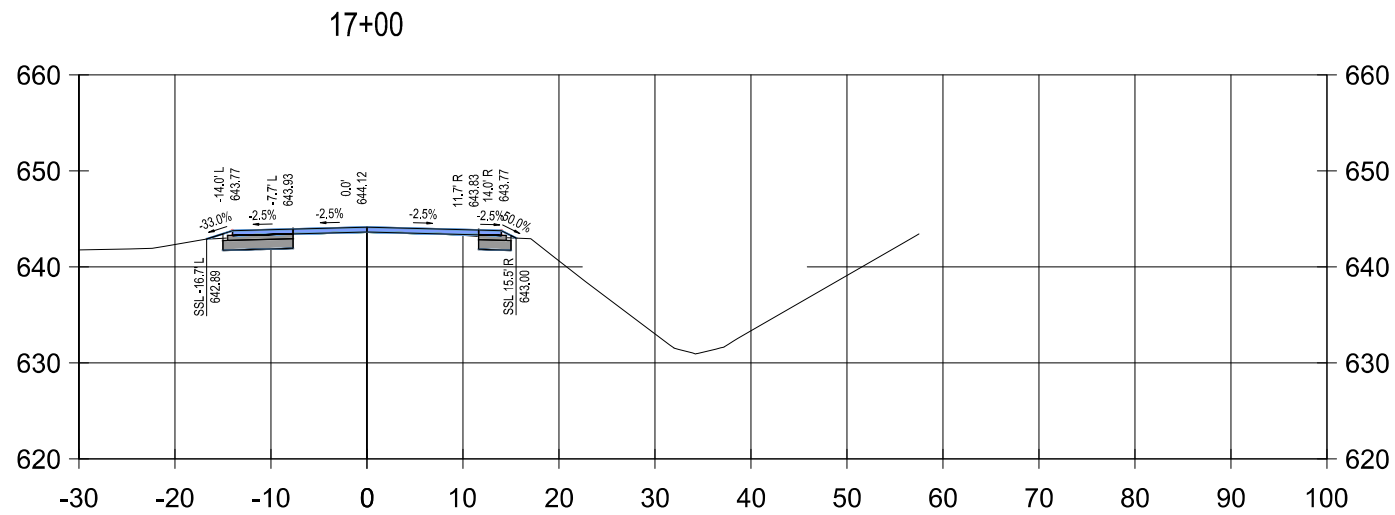
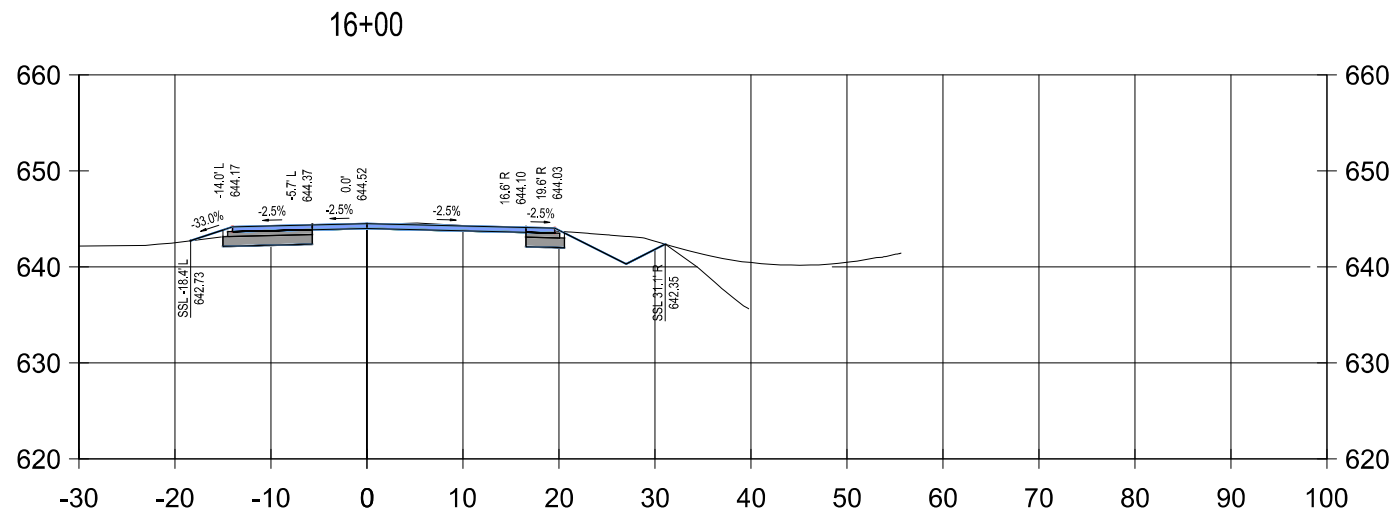
FINAL PLAN REVISIONS				
NO.	DATE	AUTH	DESCRIPTION	



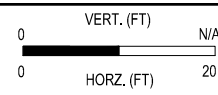
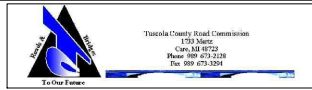
SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_MOT.DWG

CONSTRUCTION STAGING		DRAWING	SHEET
DUTCHER ROAD		MOT	39
STA 9+98.0 (POB) TO STA 20+00			

3/30/2022 10:30 AM ryan.sullivan



FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



SGI PROJECT NO: 132104SG2022

DATE: MARCH, 2022

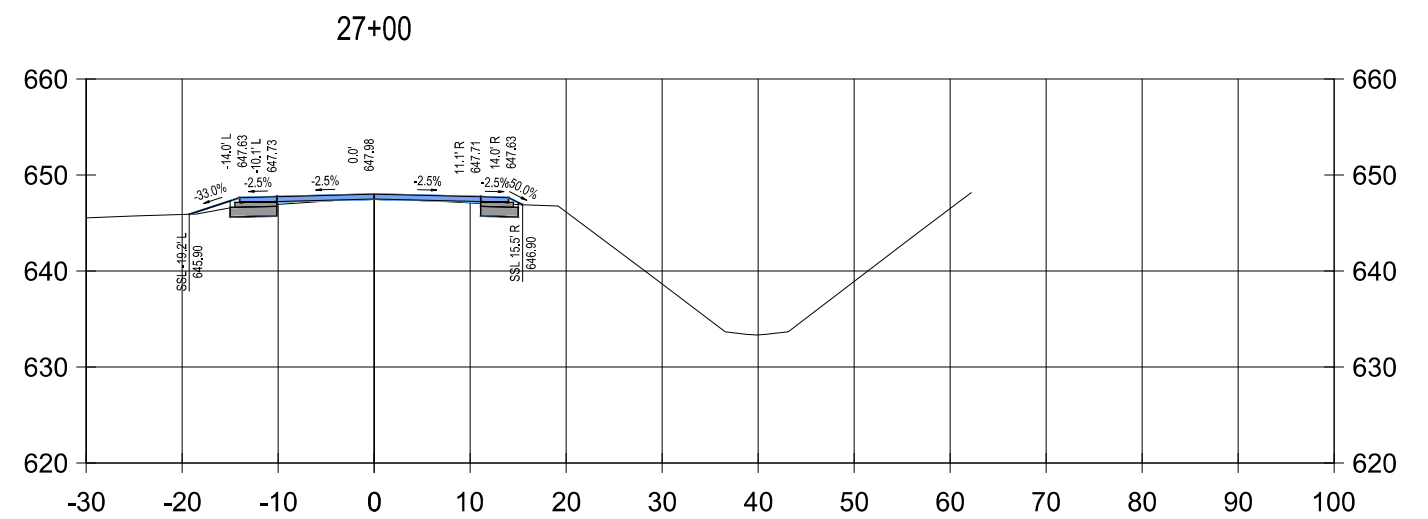
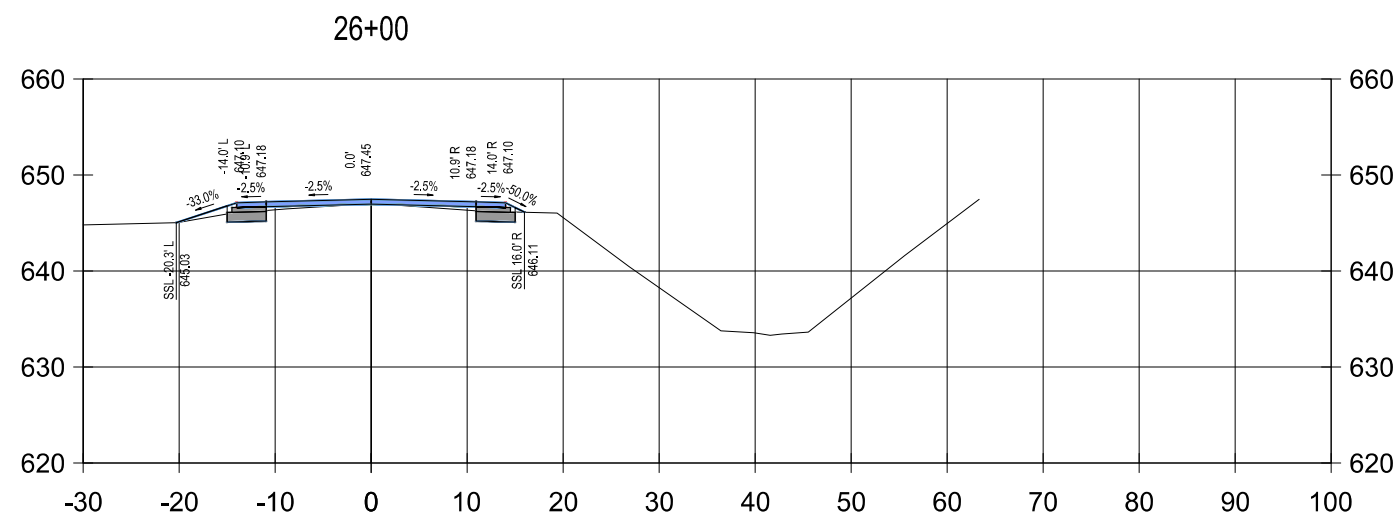
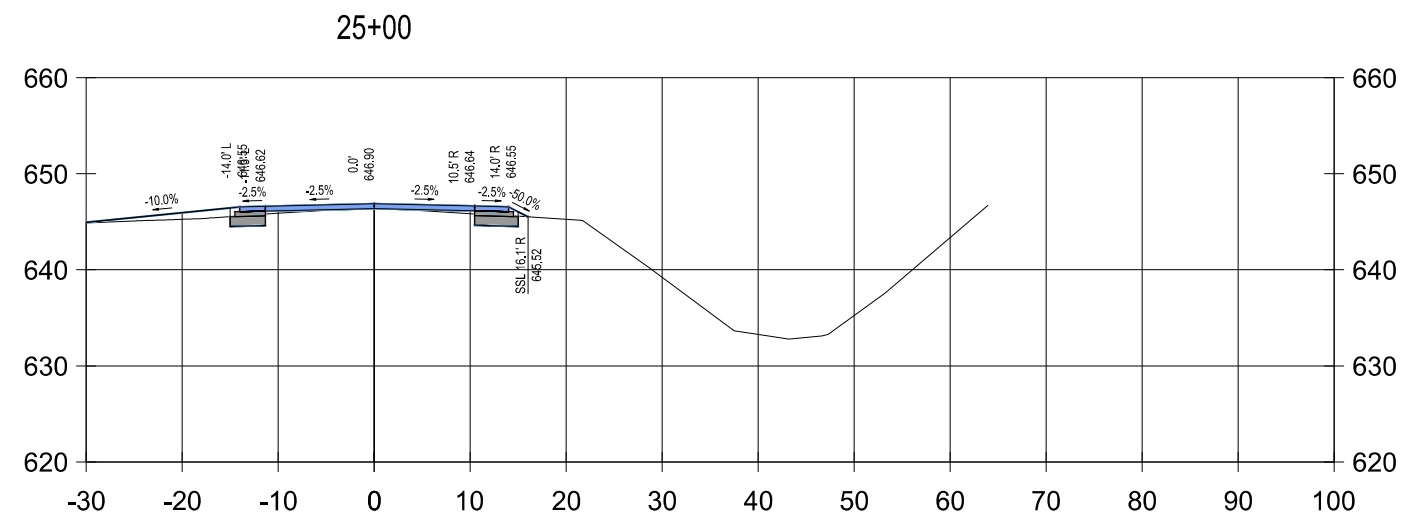
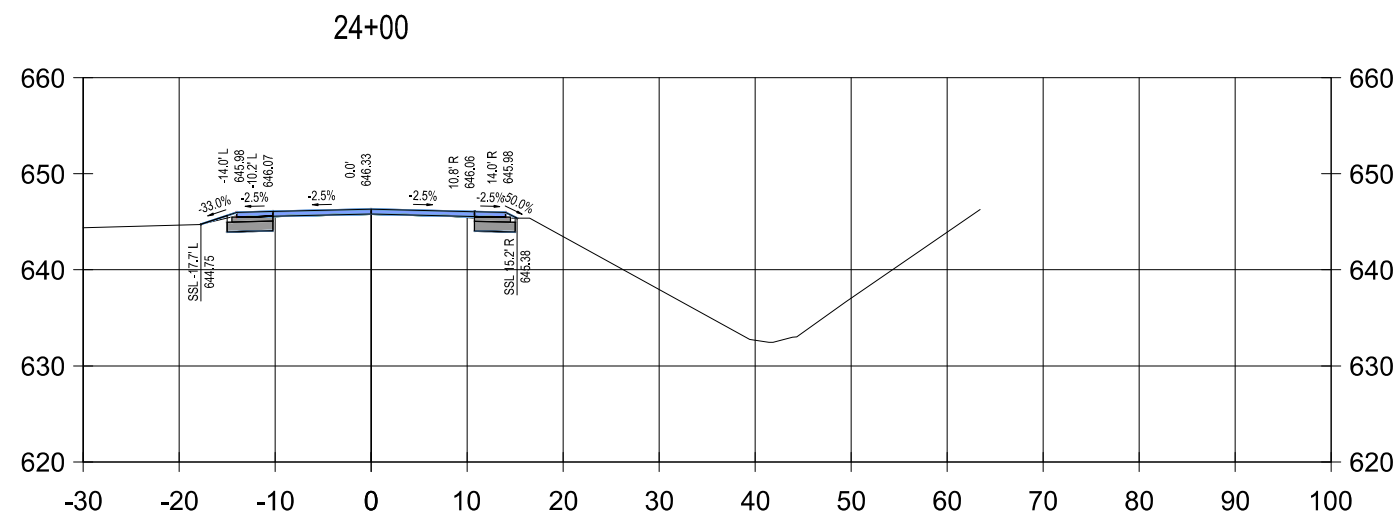
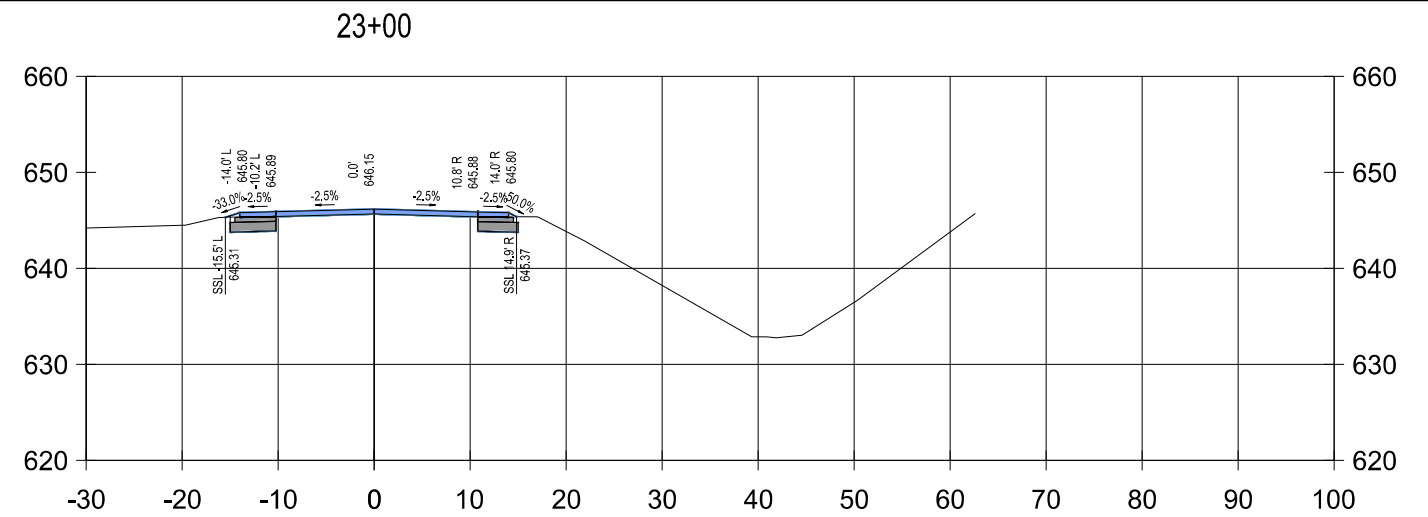
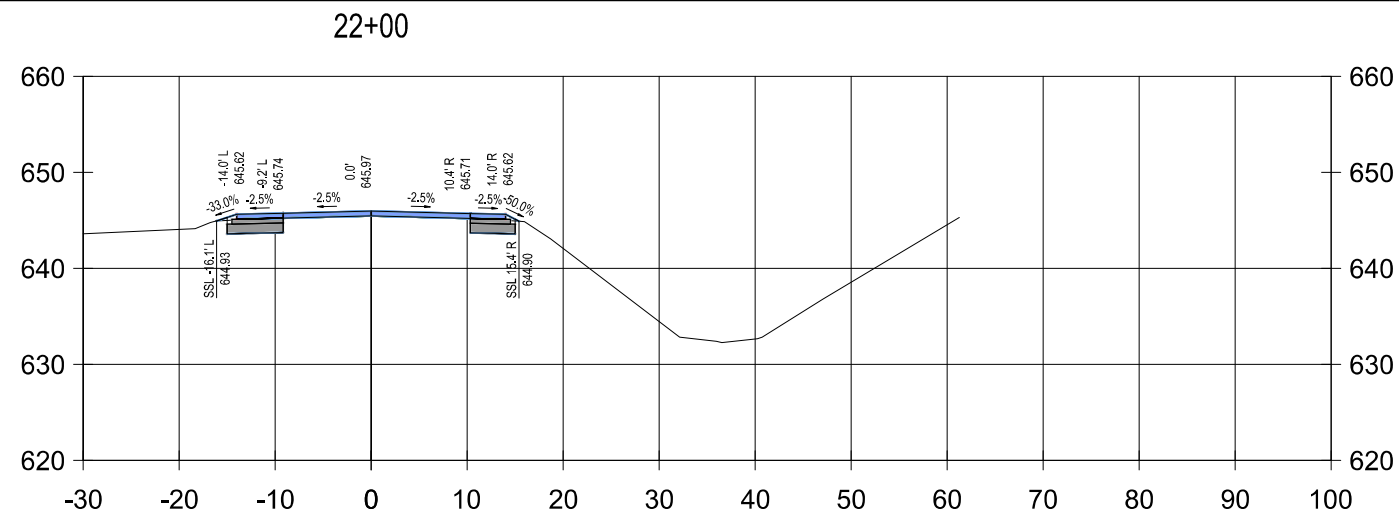
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CROSS SECTIONS

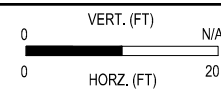
DUTCHER ROAD

DRAWING SHEET

XSECT2 41



FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



SGI PROJECT NO:	132104SG2022
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DATE: MARCH, 2022

FILE: LP_XSECT.DWG

CROSS SECTIONS DUTCHER ROAD

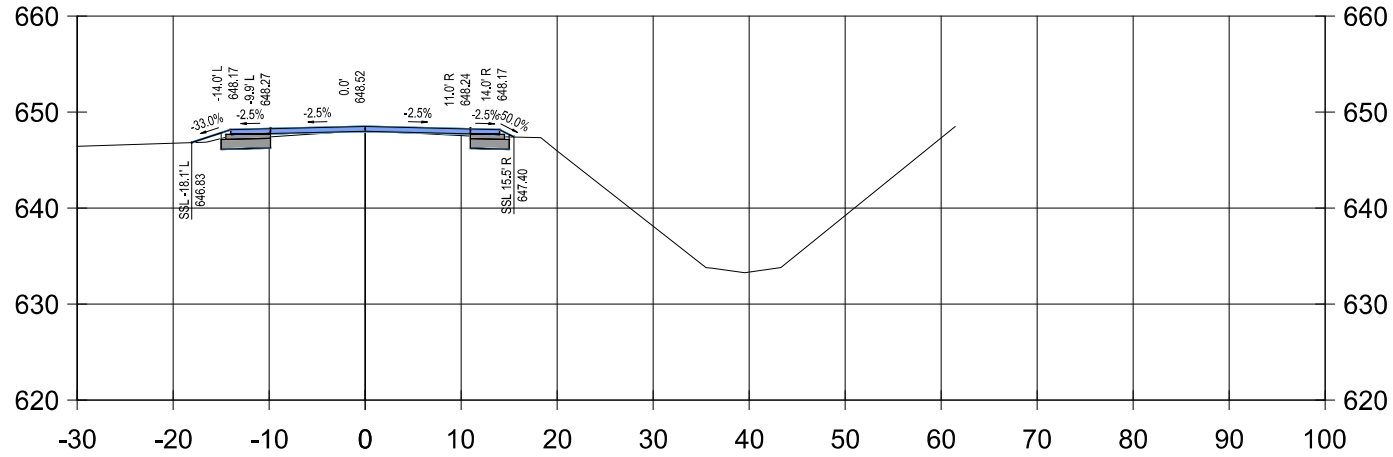
DUTCHER ROAD

DRAWING	SHEET
CROSS-SECTION 3	42

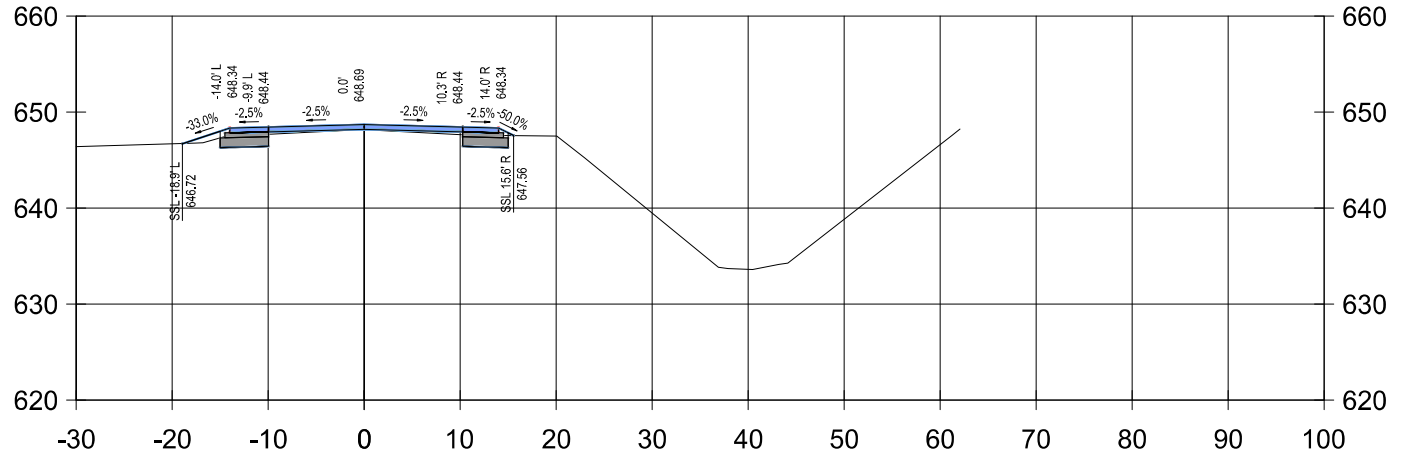
XSECT3 4

3/30/2022 10:30 AM ryan.sullivan

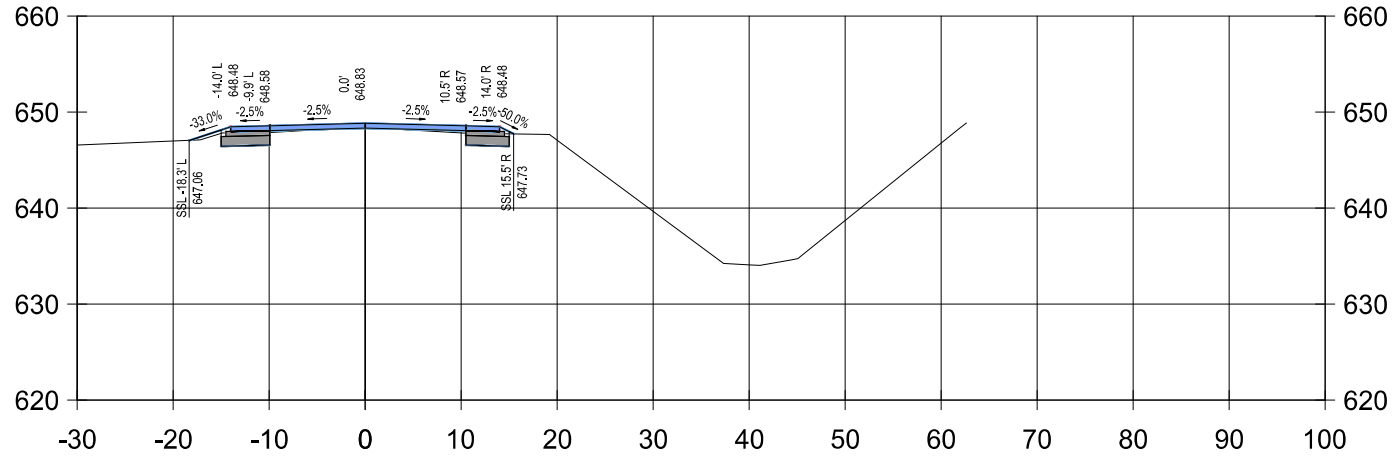
28+00



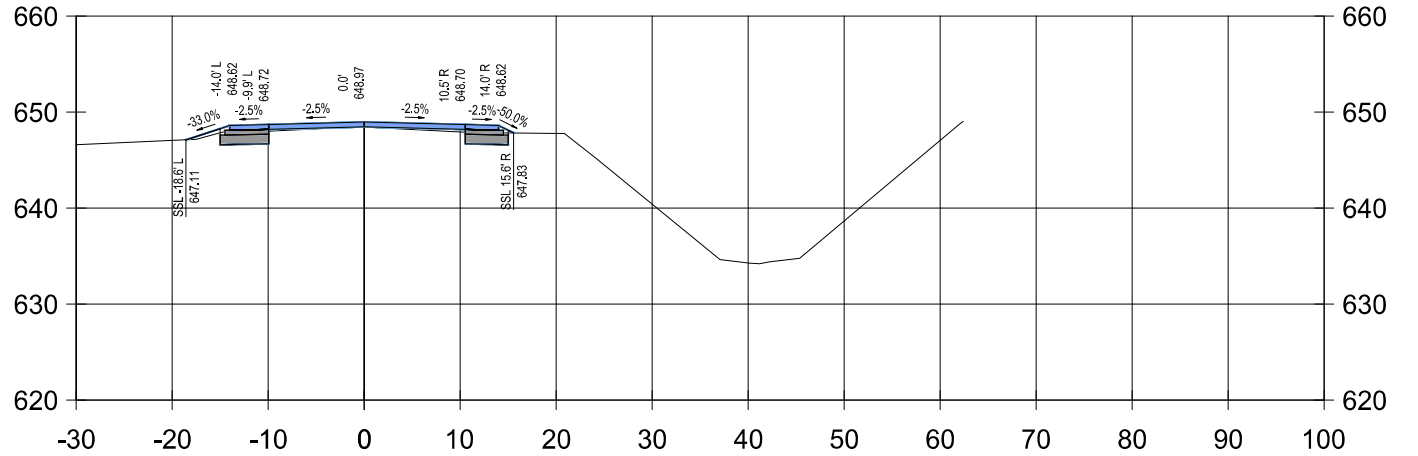
29+00



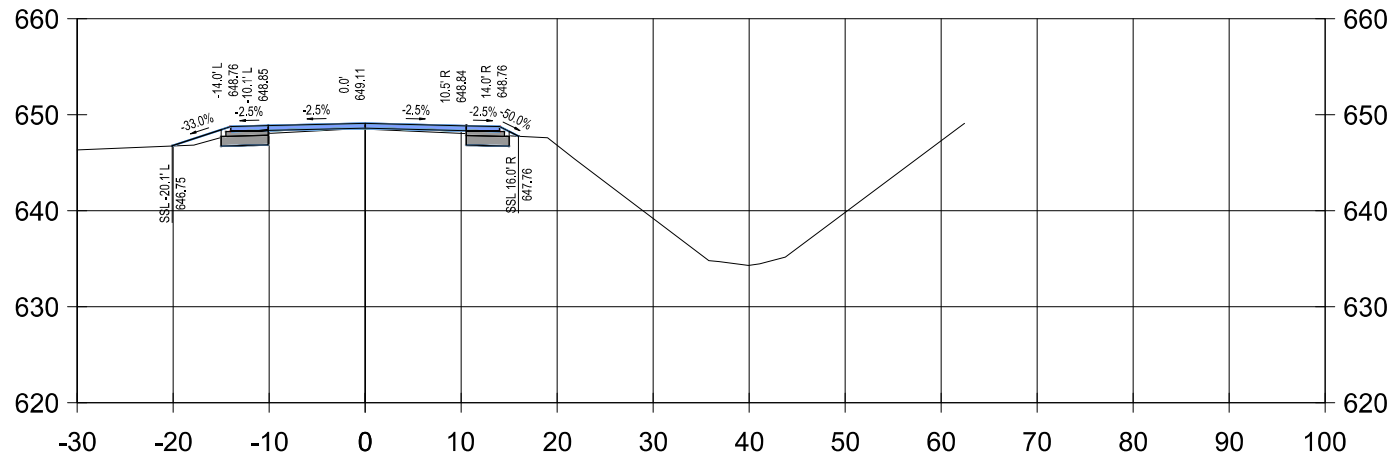
30+00



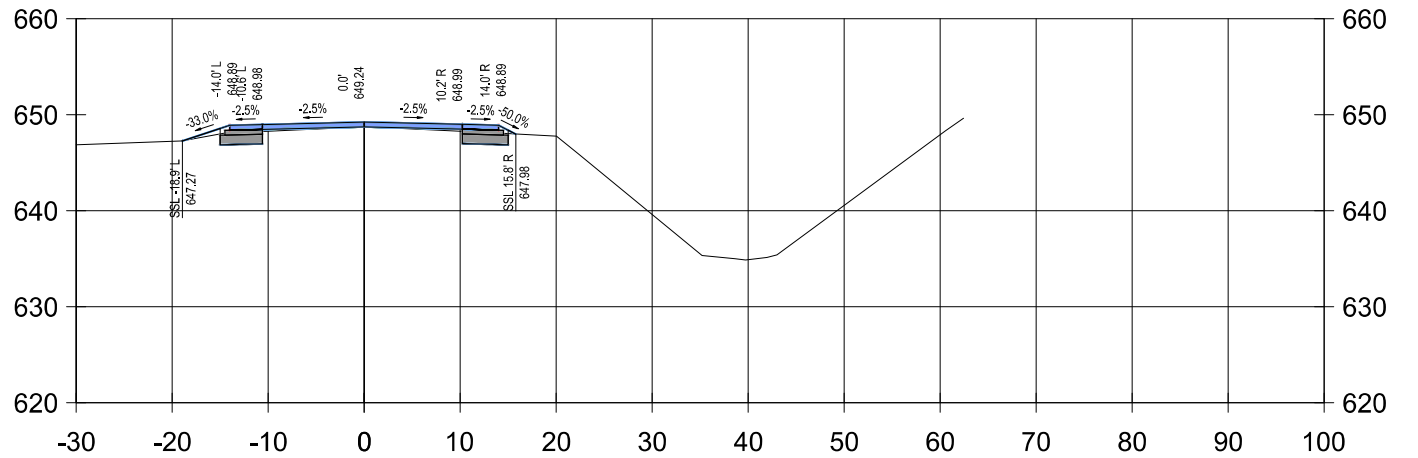
31+00



32+00

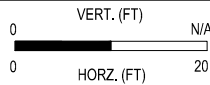
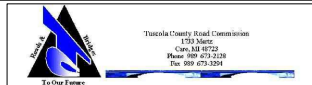


33+00



FINAL PLAN REVISIONS

NO.	DATE	AUTH	DESCRIPTION

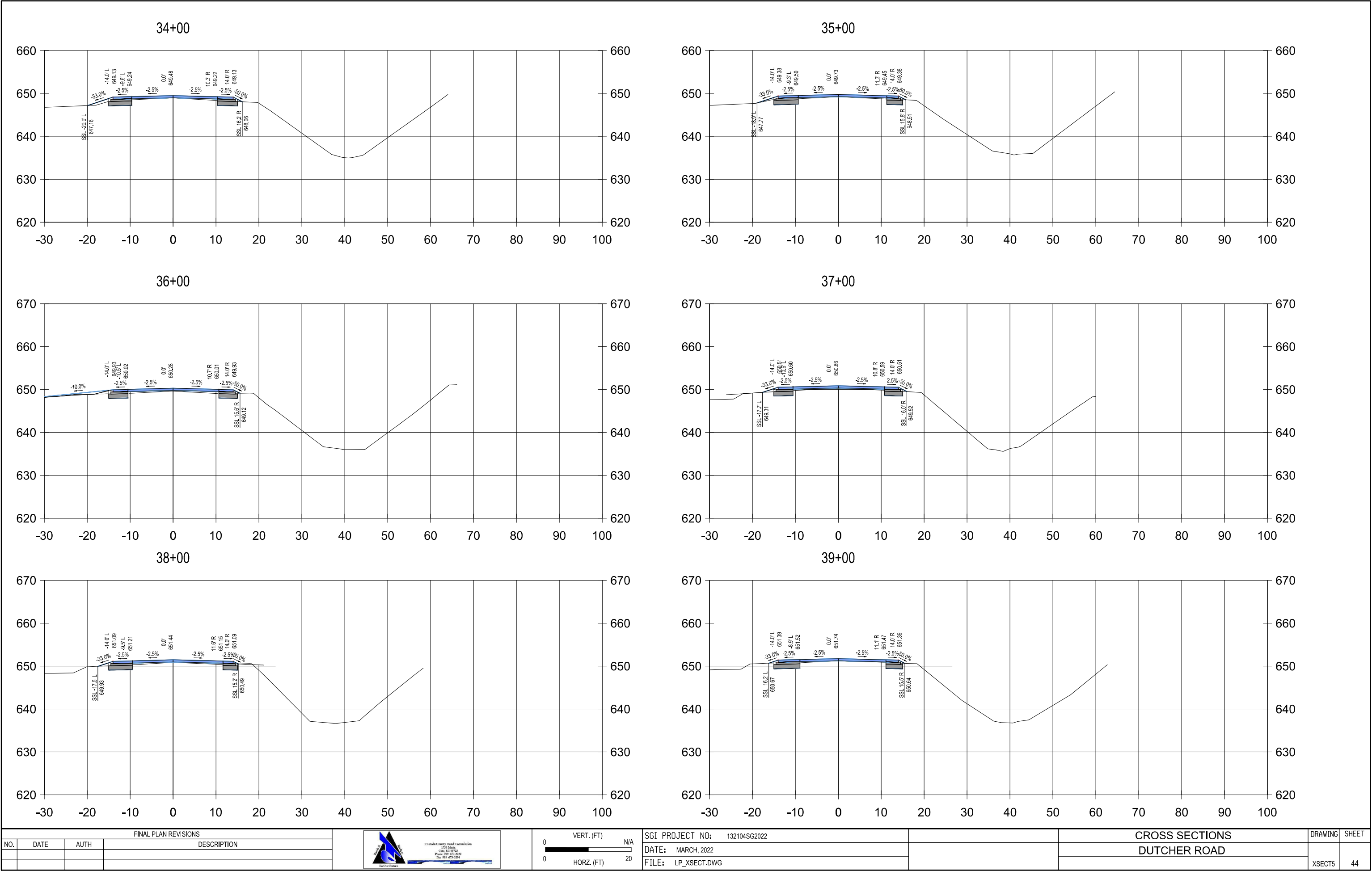


SGI PROJECT NO: 132104SG2022
DATE: MARCH, 2022
FILE: LP_XSECT.DWG

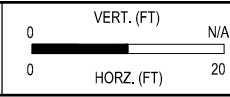
CROSS SECTIONS
DUTCHER ROAD

DRAWING	SHEET
XSECT4	43

3/30/2022 10:31 AM ryan.sullivan

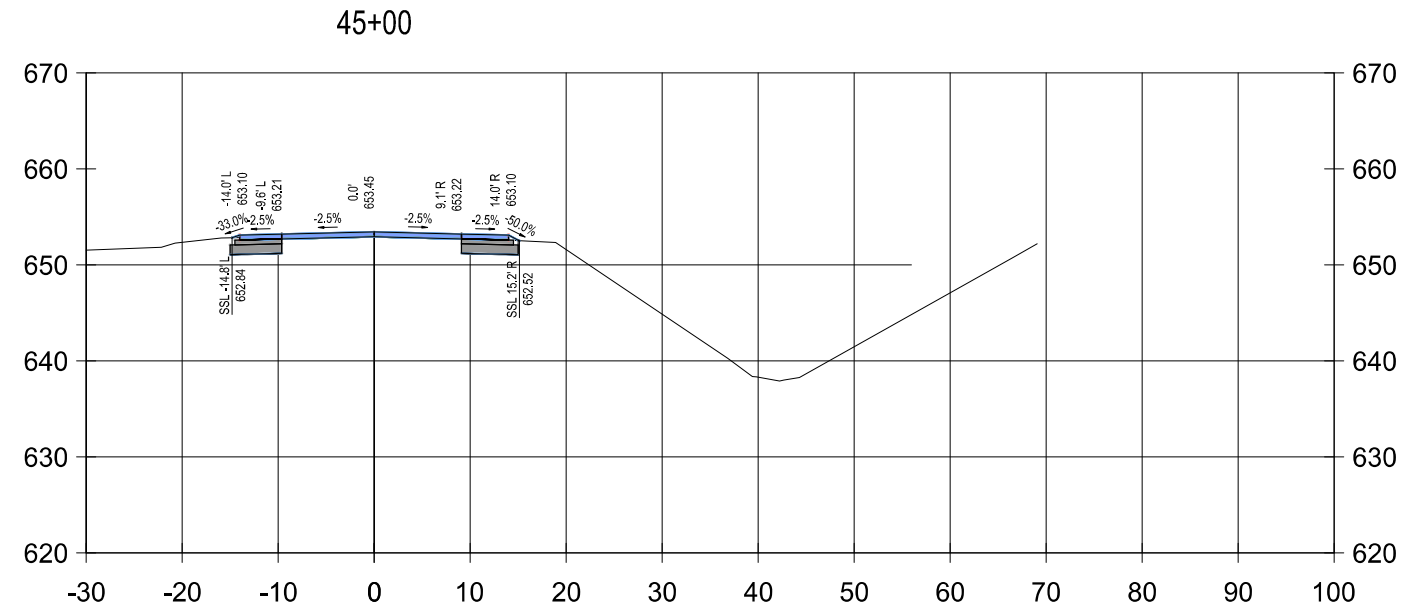
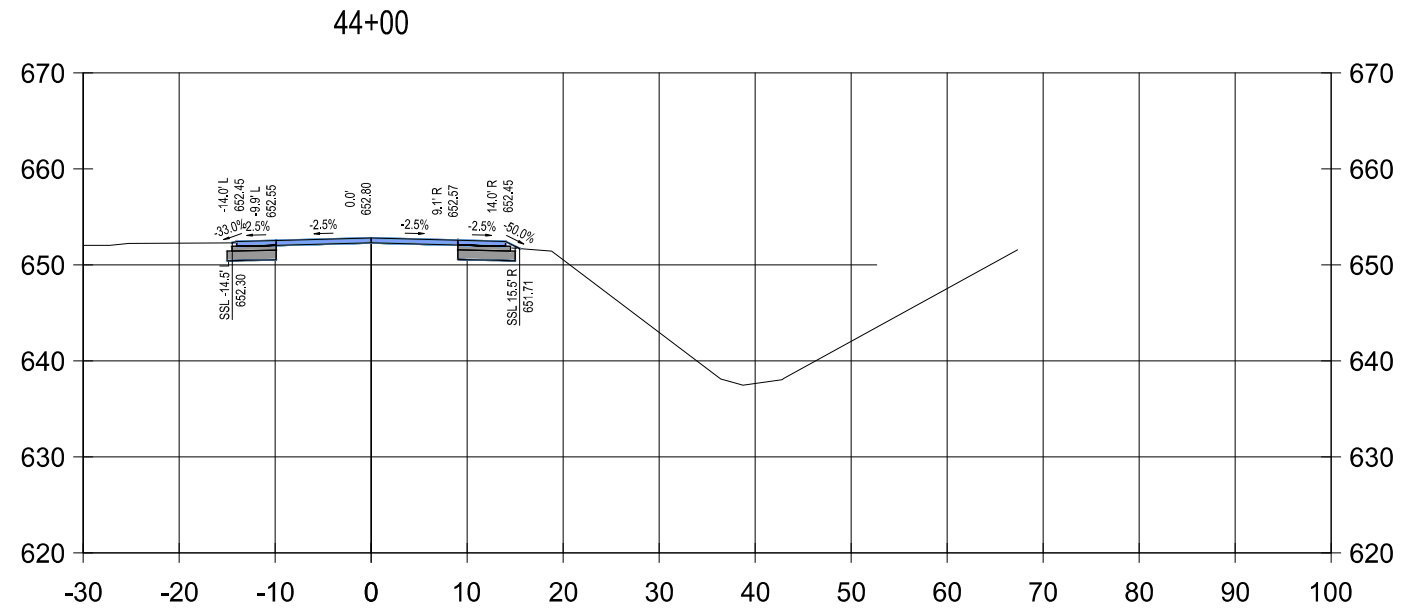
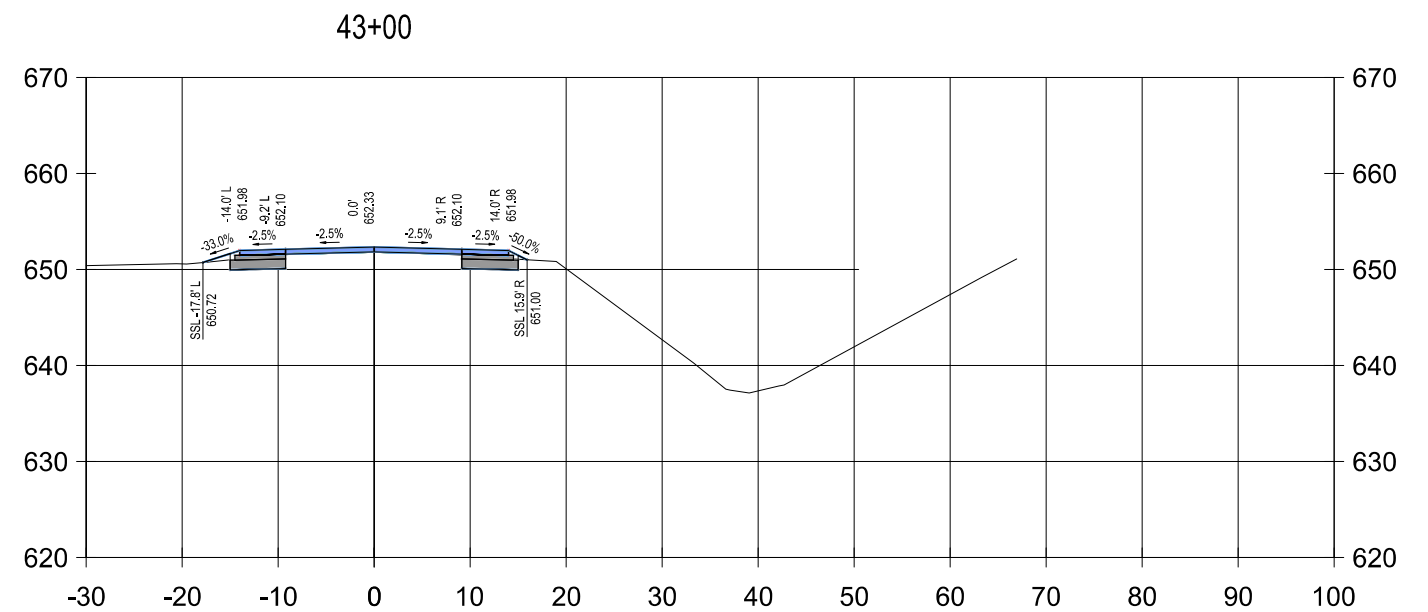
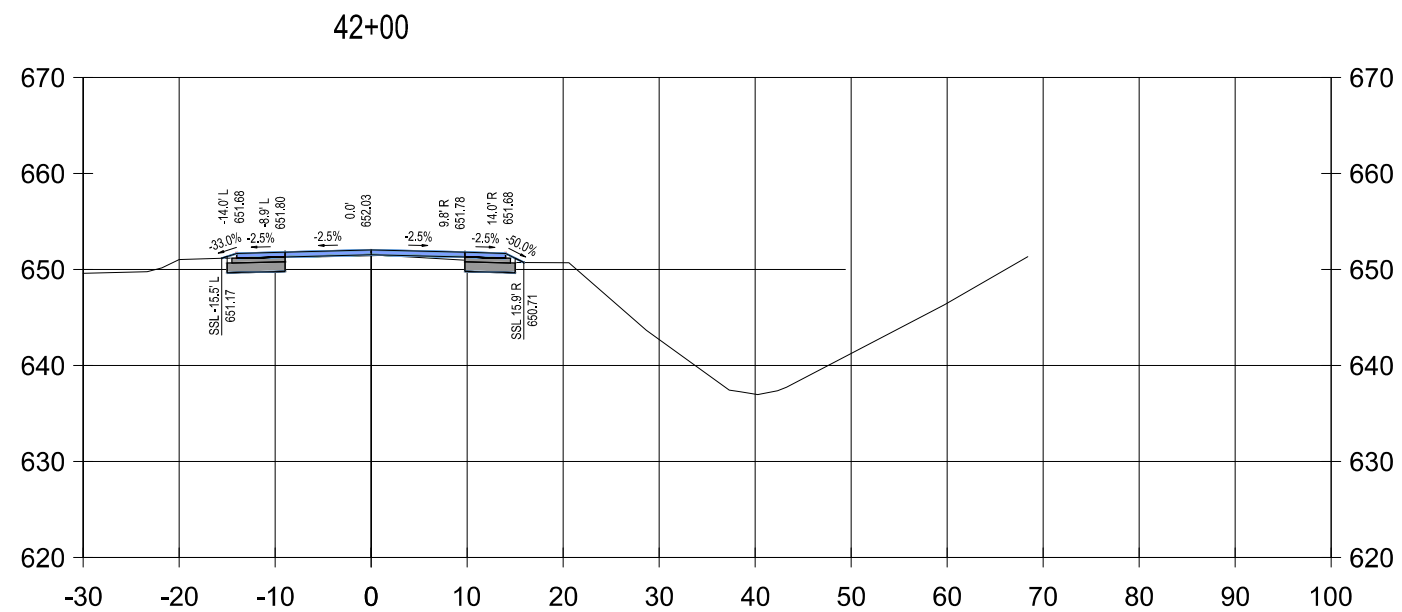
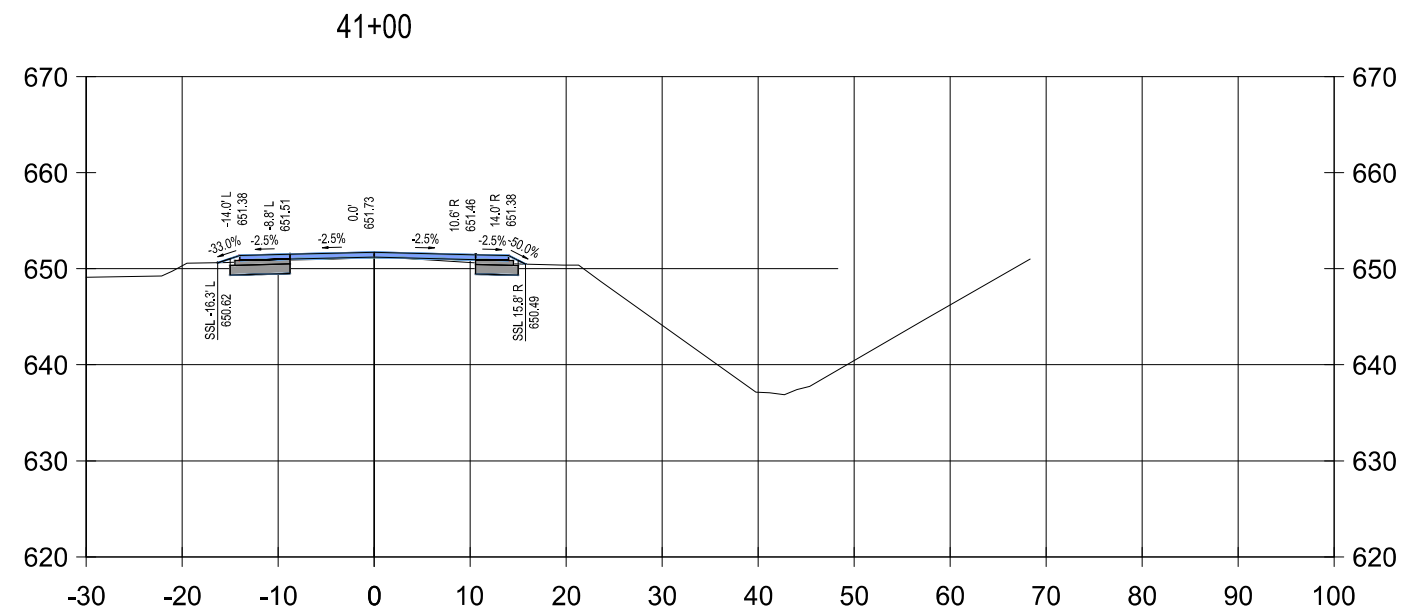
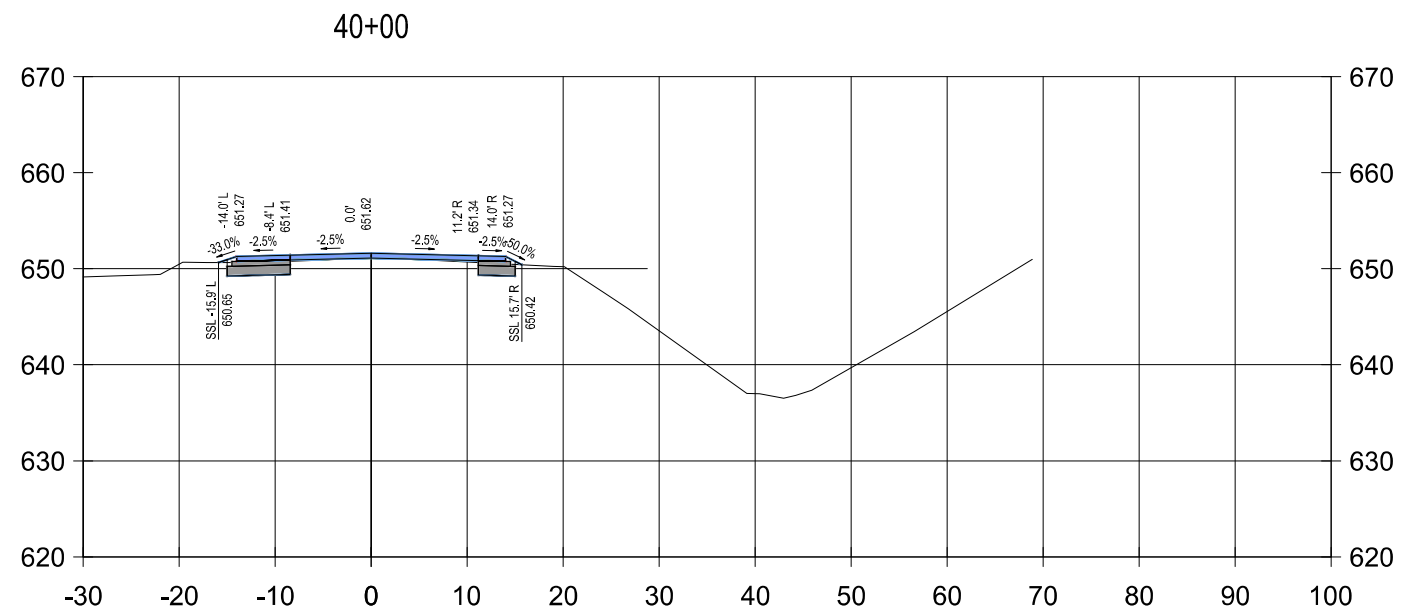


FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION

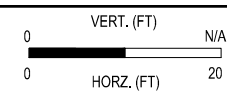
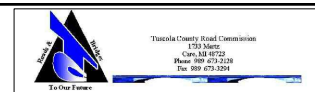


SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_XSECT.DWG

CROSS SECTIONS		DRAWING	SHEET
DUTCHER ROAD		XSECT5	44



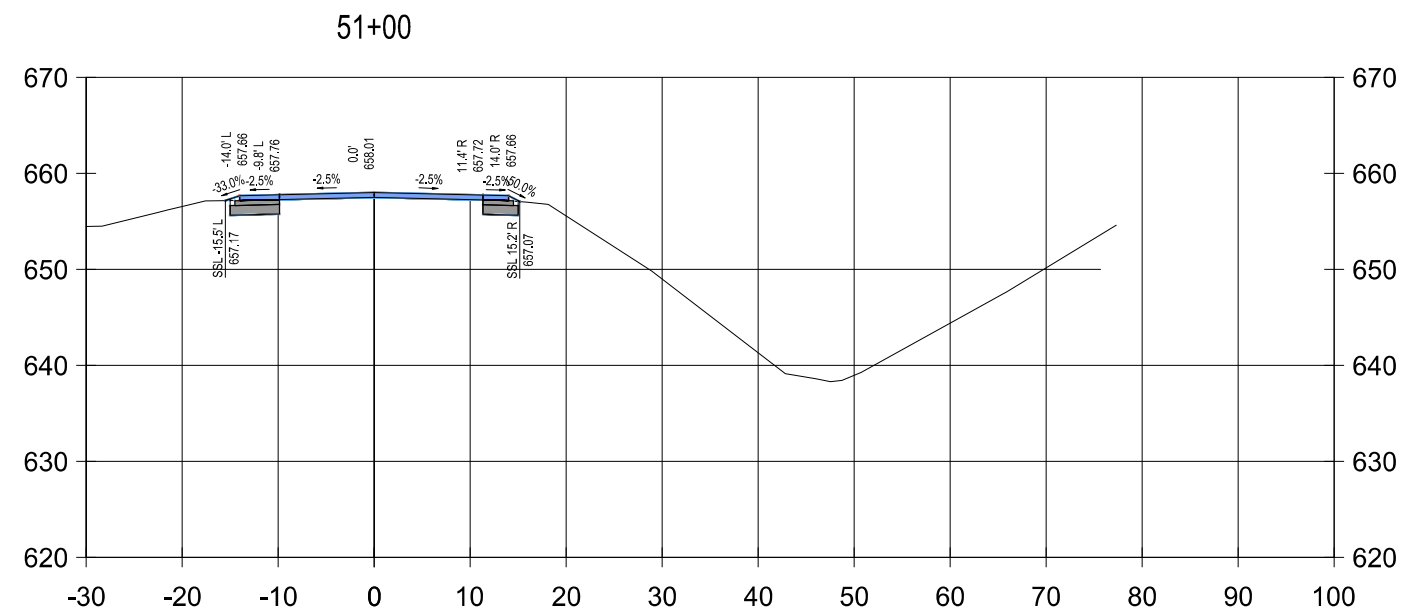
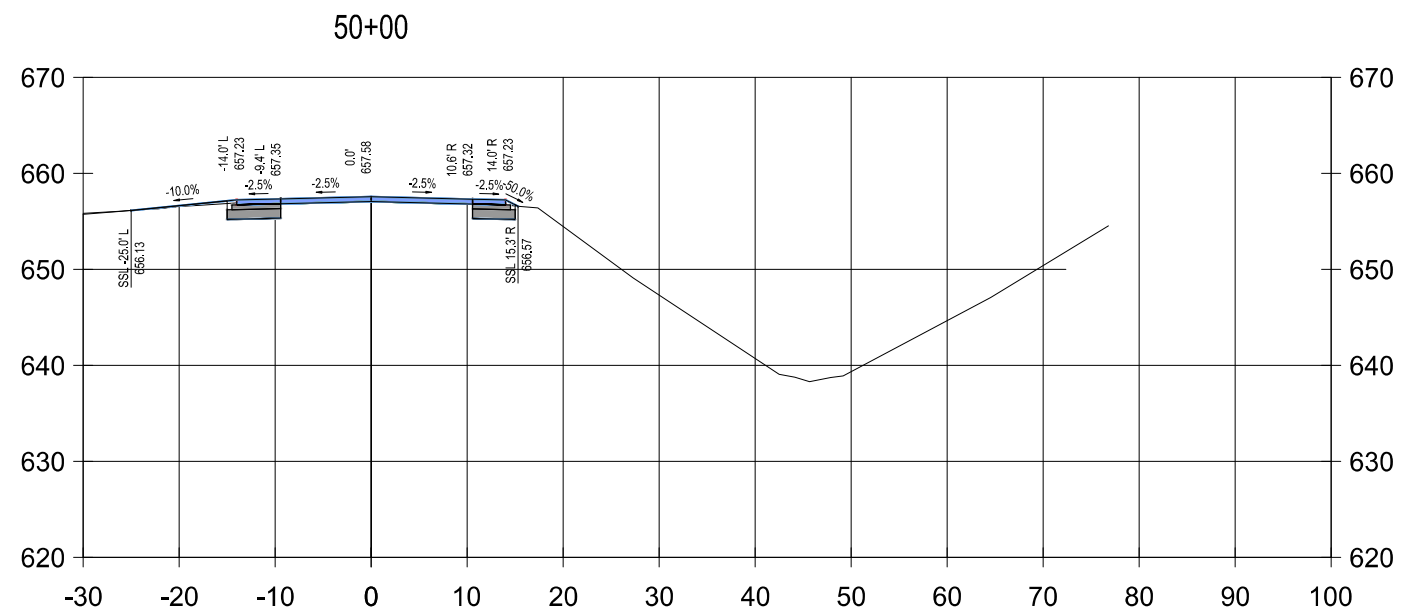
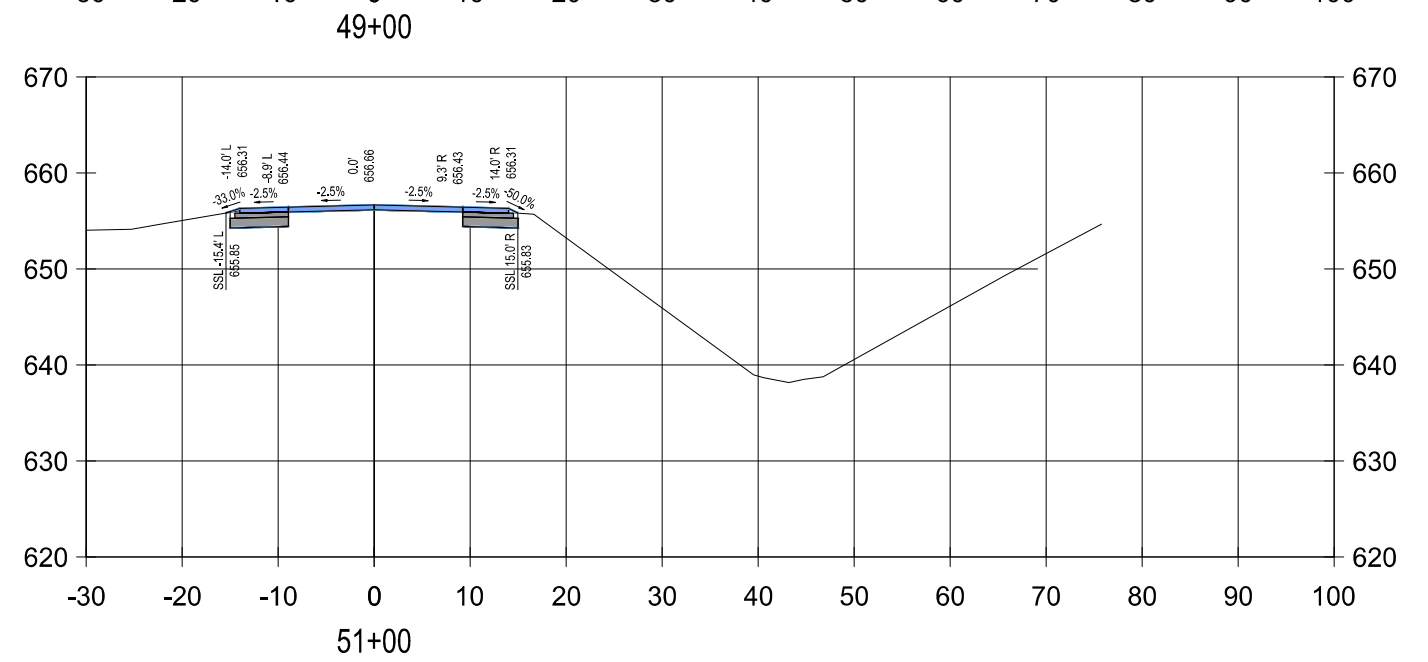
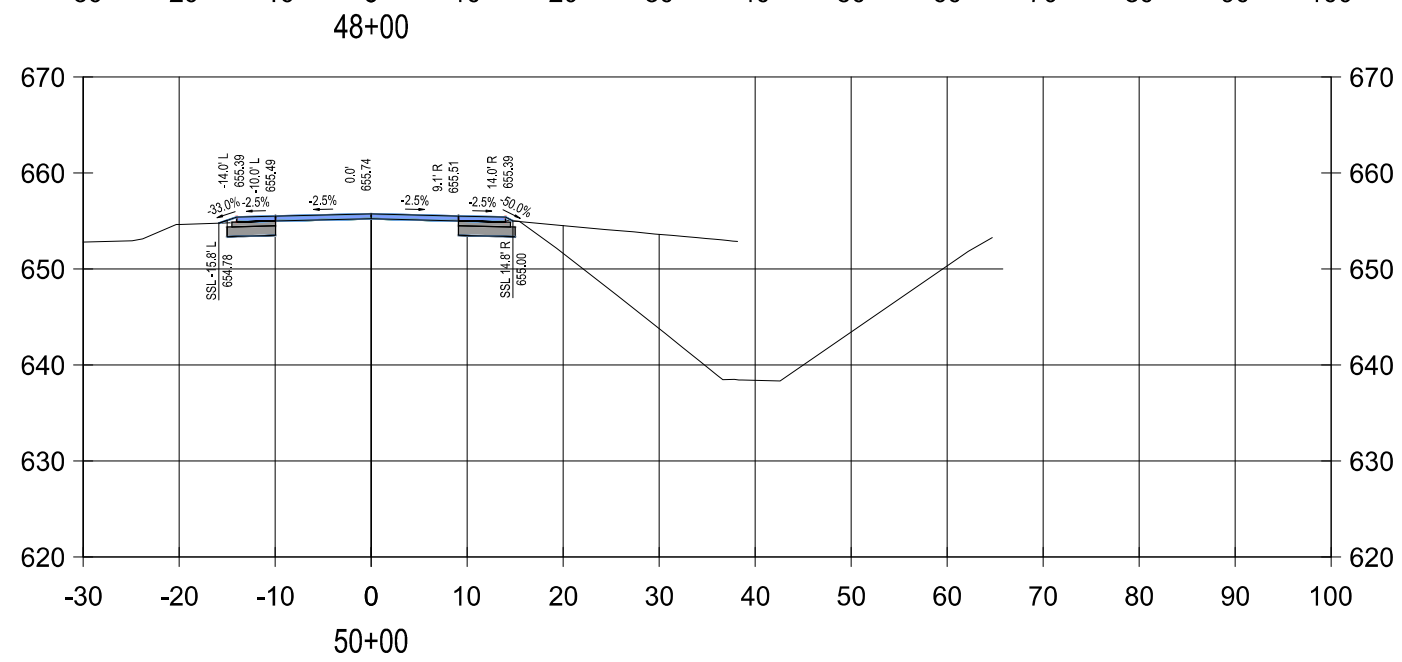
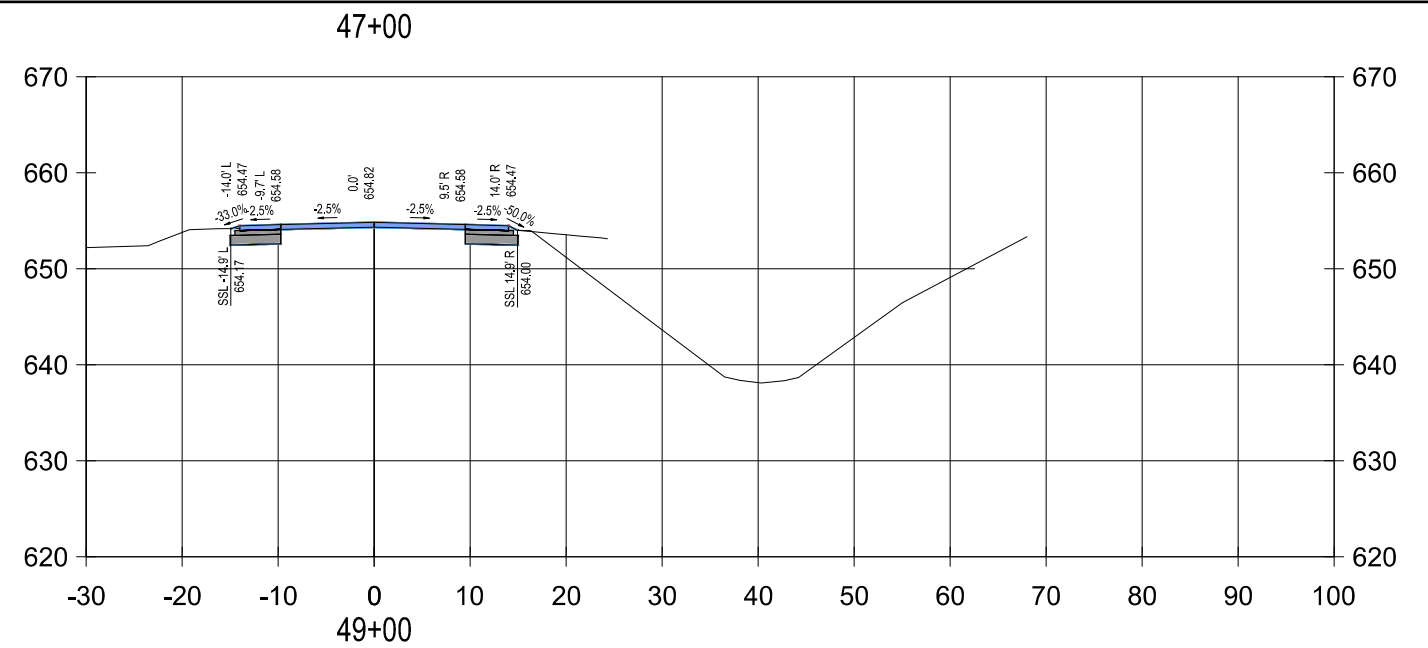
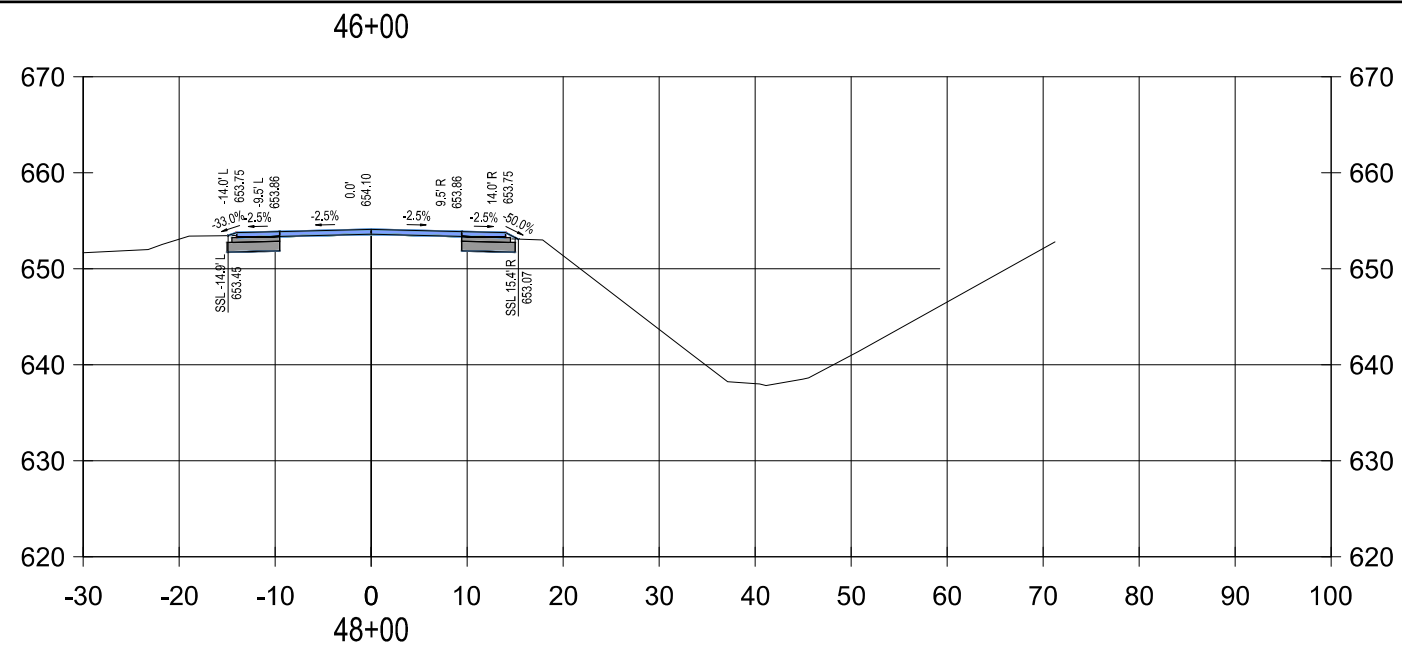
FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION





SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_XSECT.DWG

CROSS SECTIONS
DUTCHER ROAD

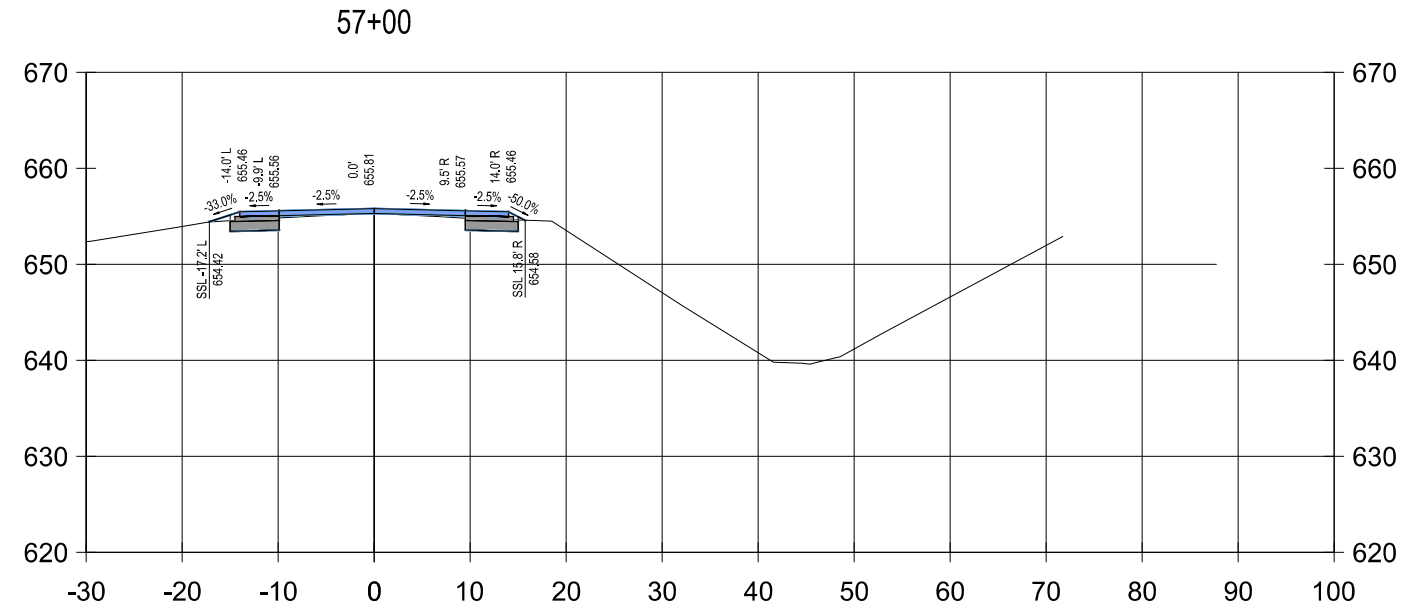
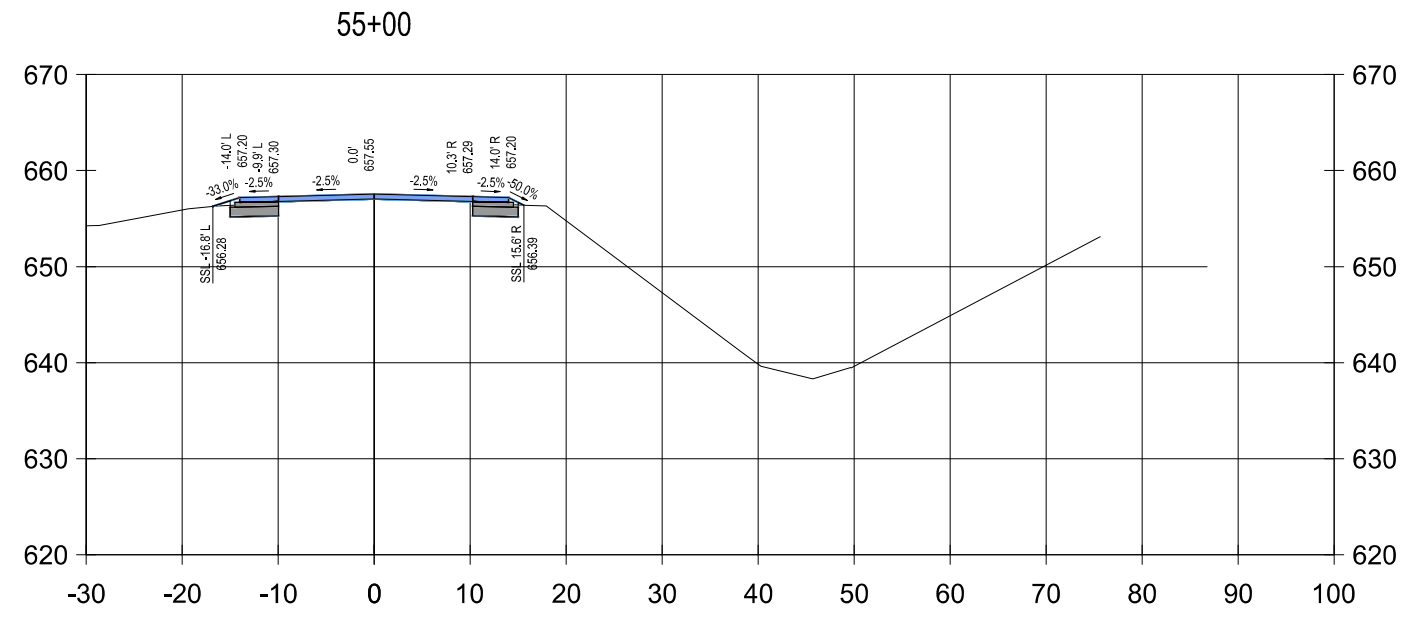
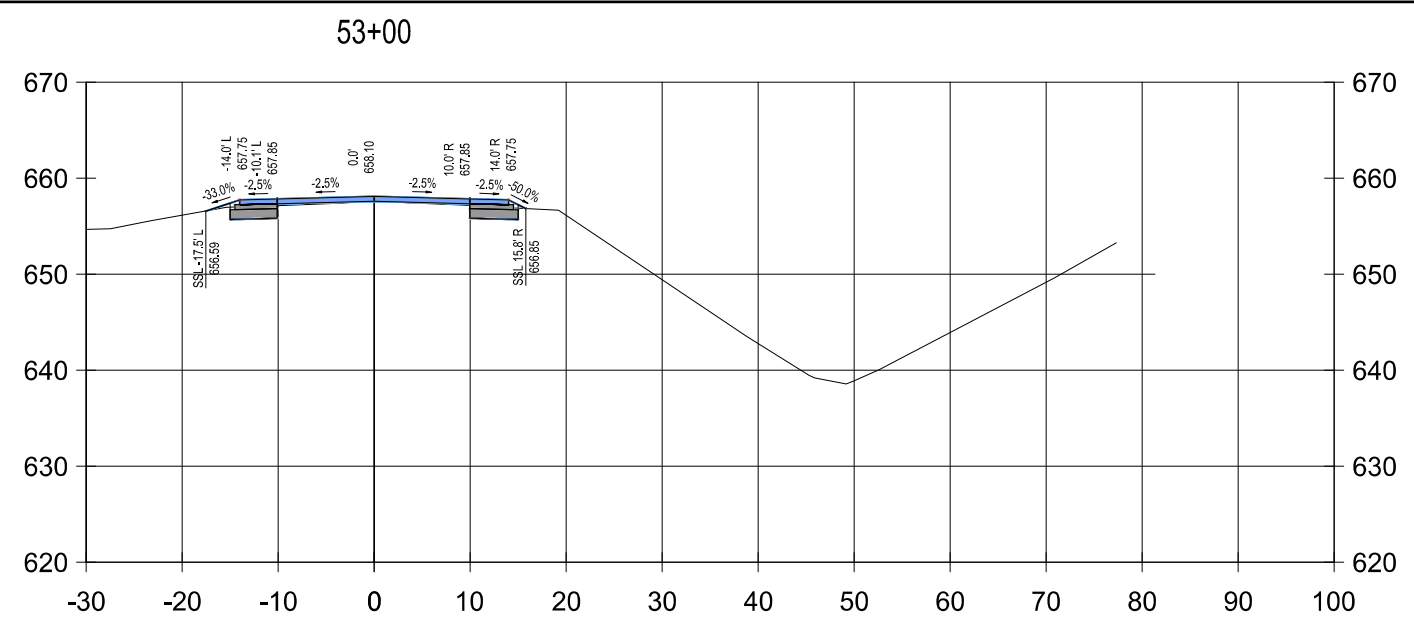
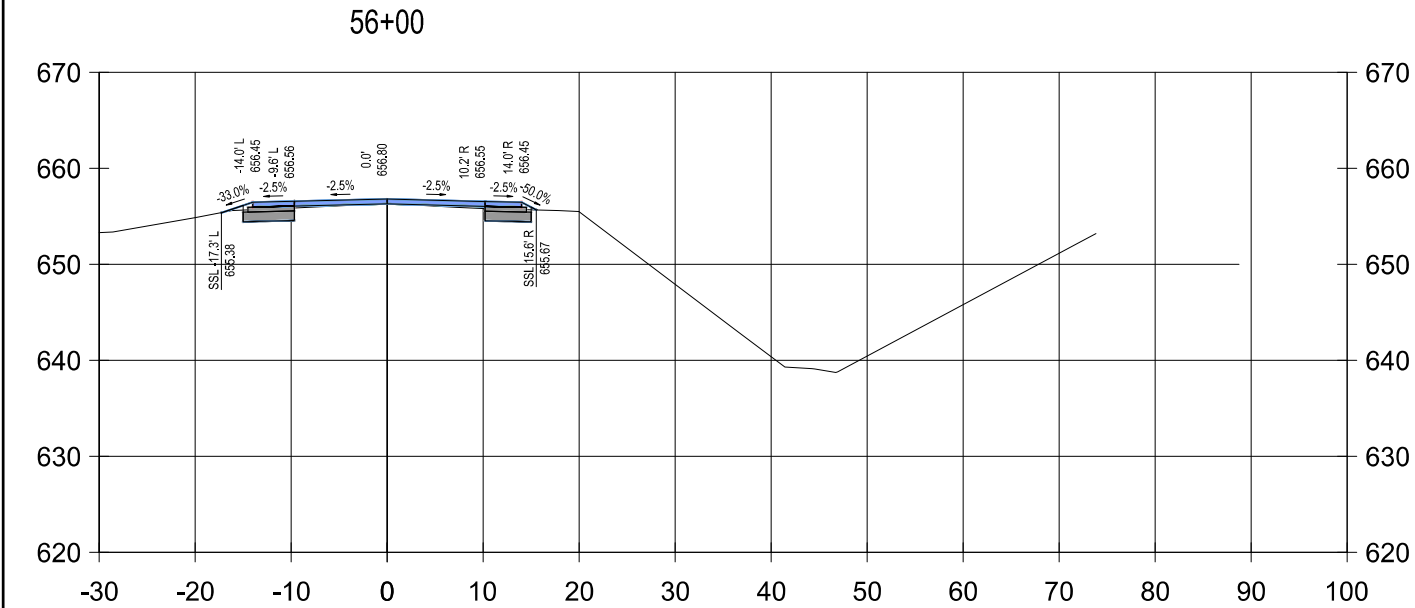
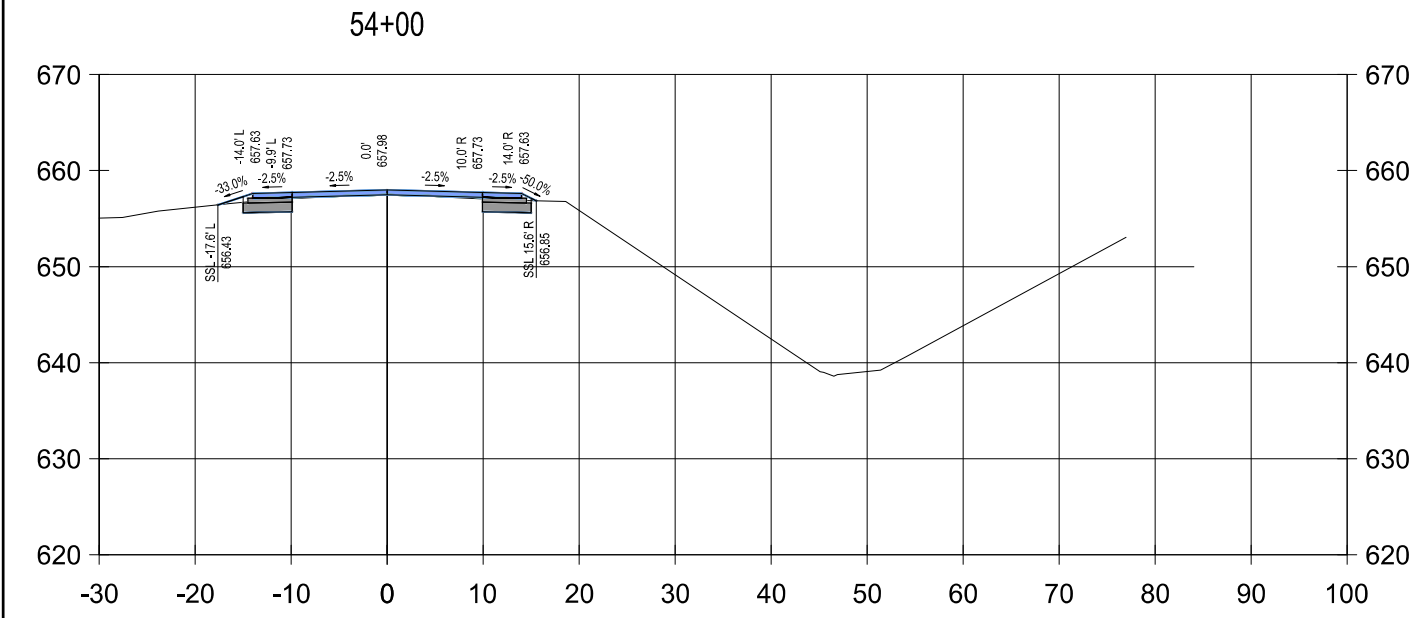
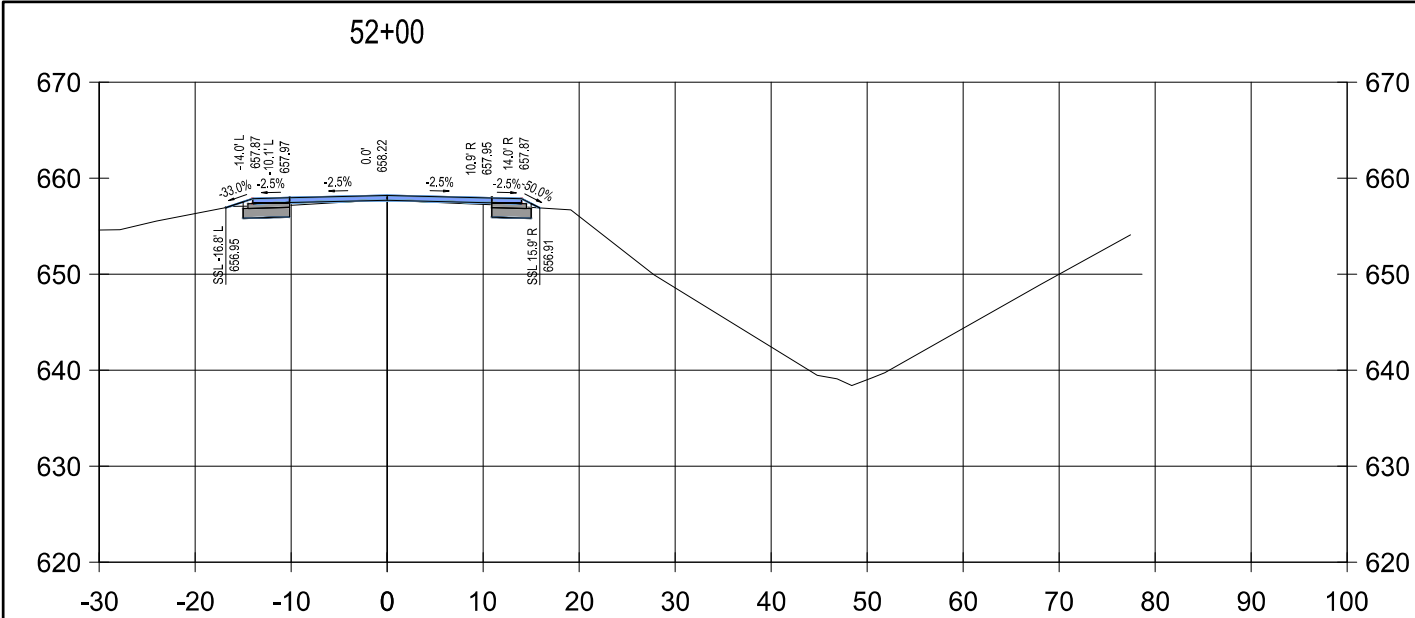
DRAWING	SHEET
SECT6	45



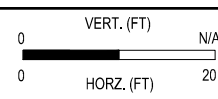
FINAL PLAN REVISIONS				 <p>Tusculum County Road Commission 1733 Shores Cove, TN 37722 Phone: 939 479-3238 Fax: 939 479-3234</p>	VERT. (FT) 0 N/A 0  20 HORZ. (FT)		SGI PROJECT NO: 132104SG2022		CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION		DATE: MARCH, 2022		DUTCHER ROAD		XSECT7	46		
					FILE: LP_XSECT.DWG							

3/30/2022 10:31 AM ryan.sullivan

3/30/2022 10:31 AM ryan.sullivan



FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION

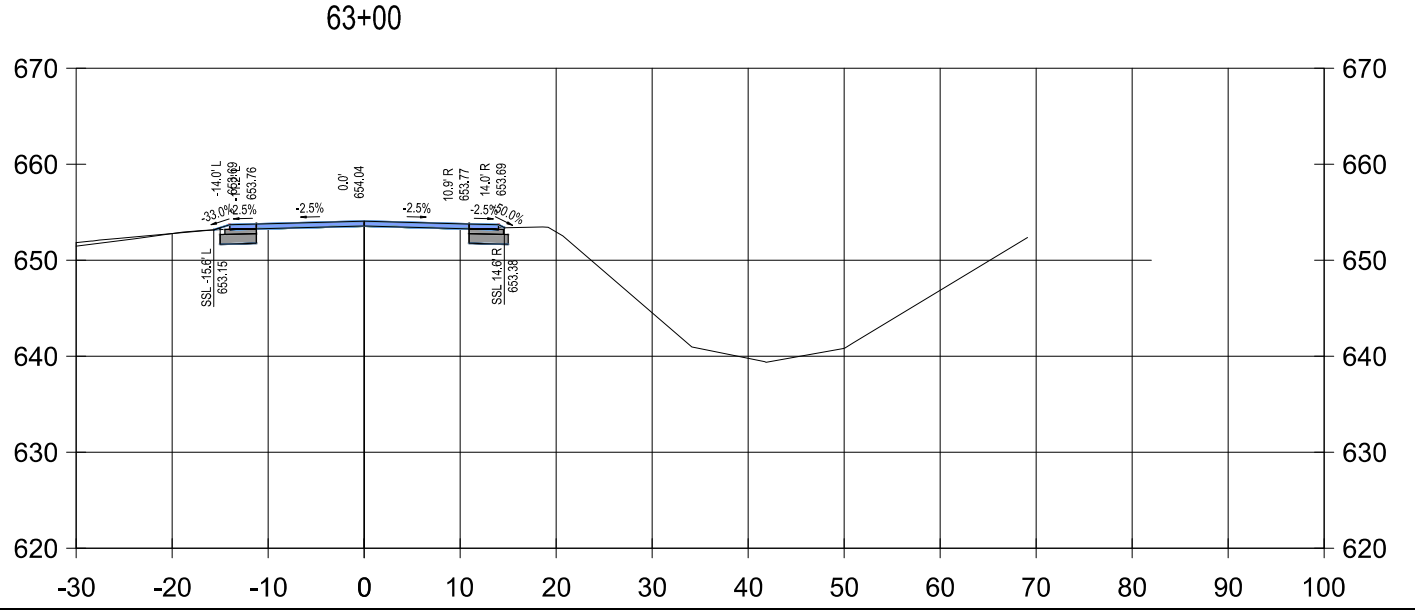
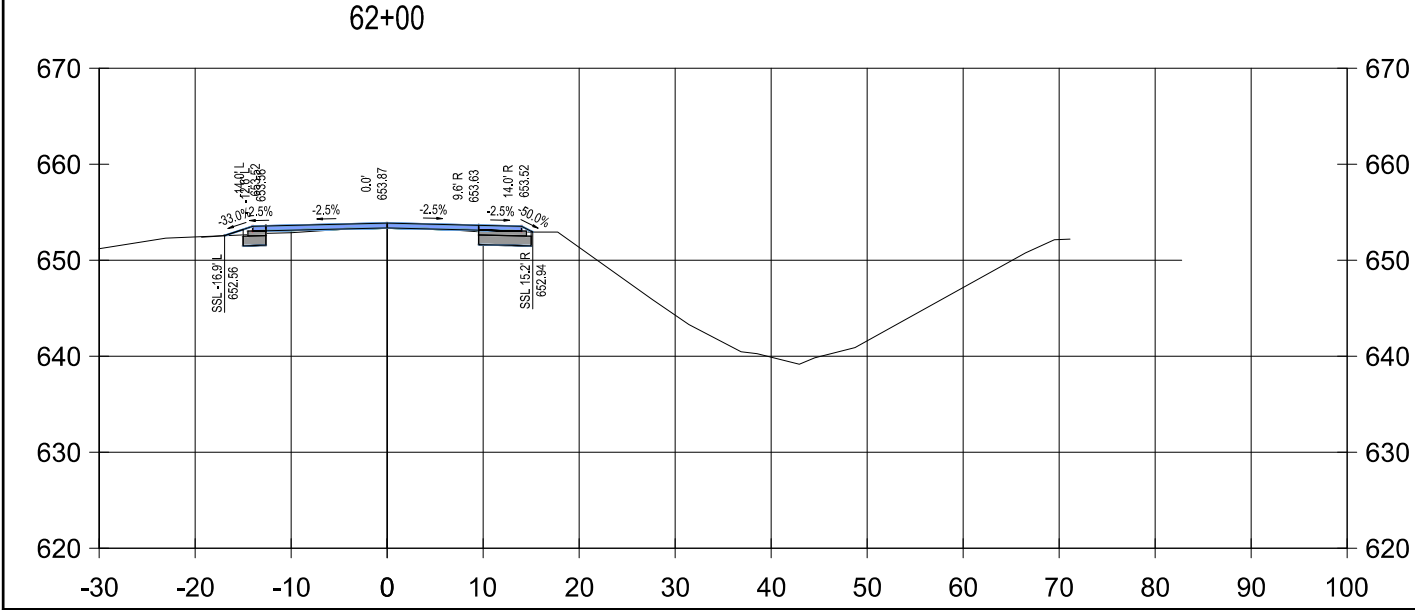
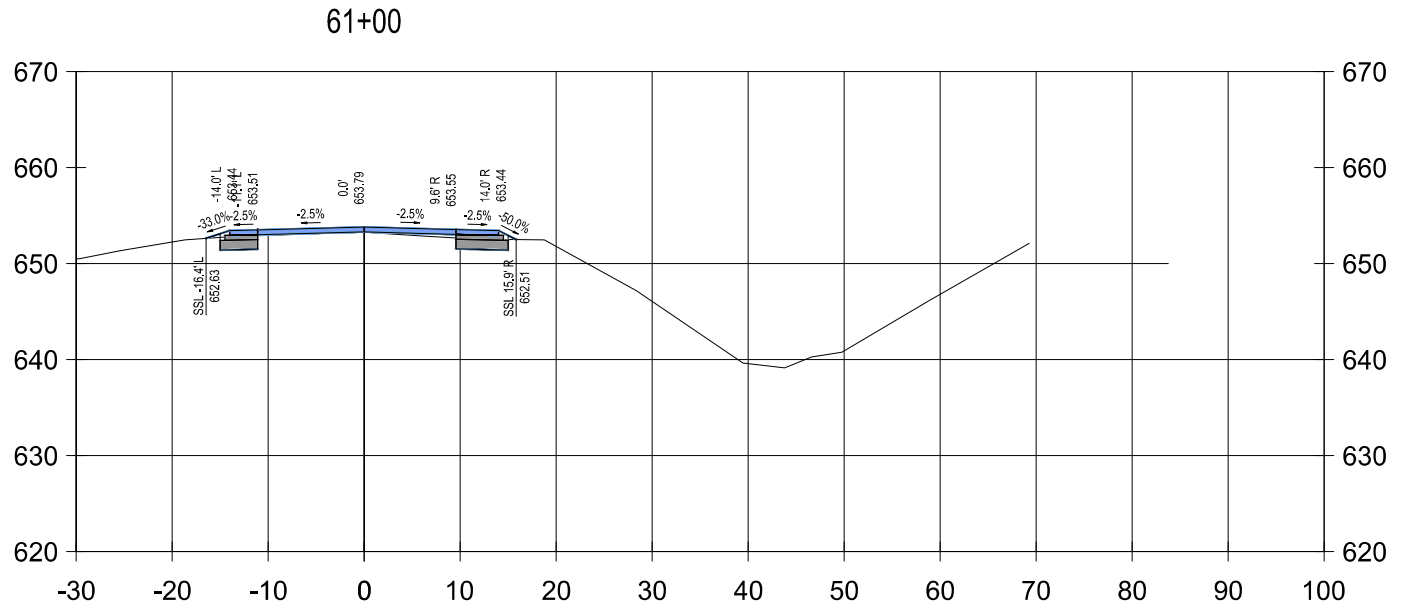
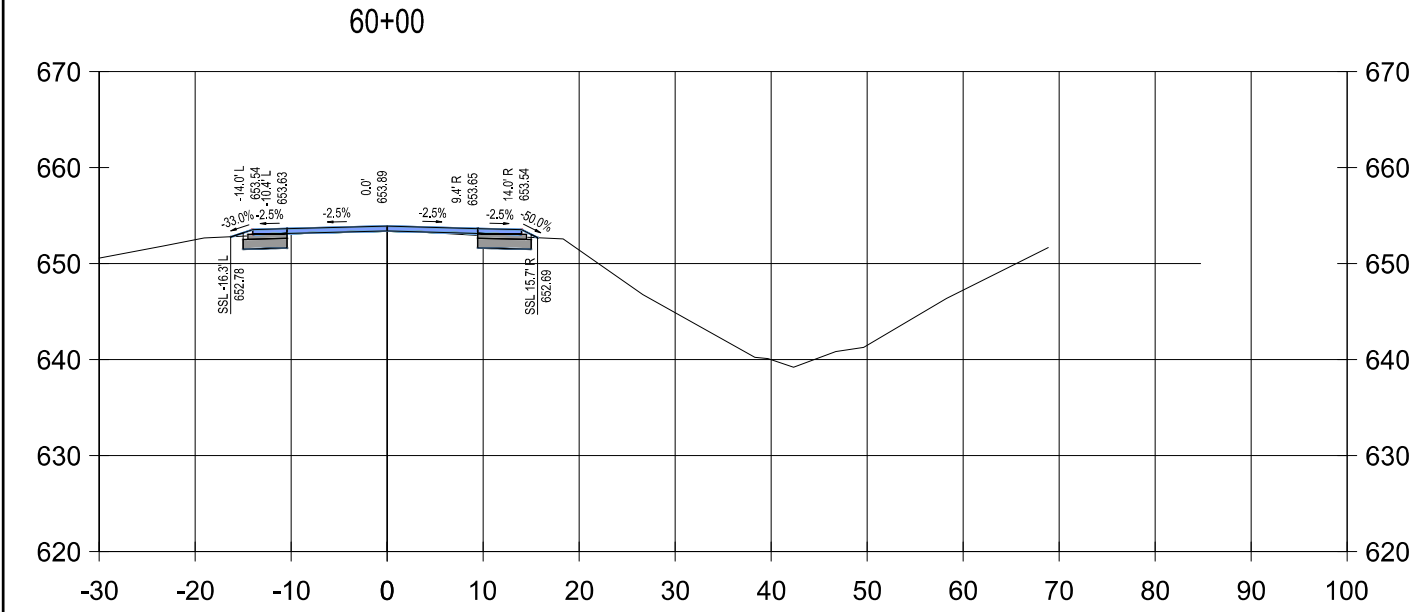
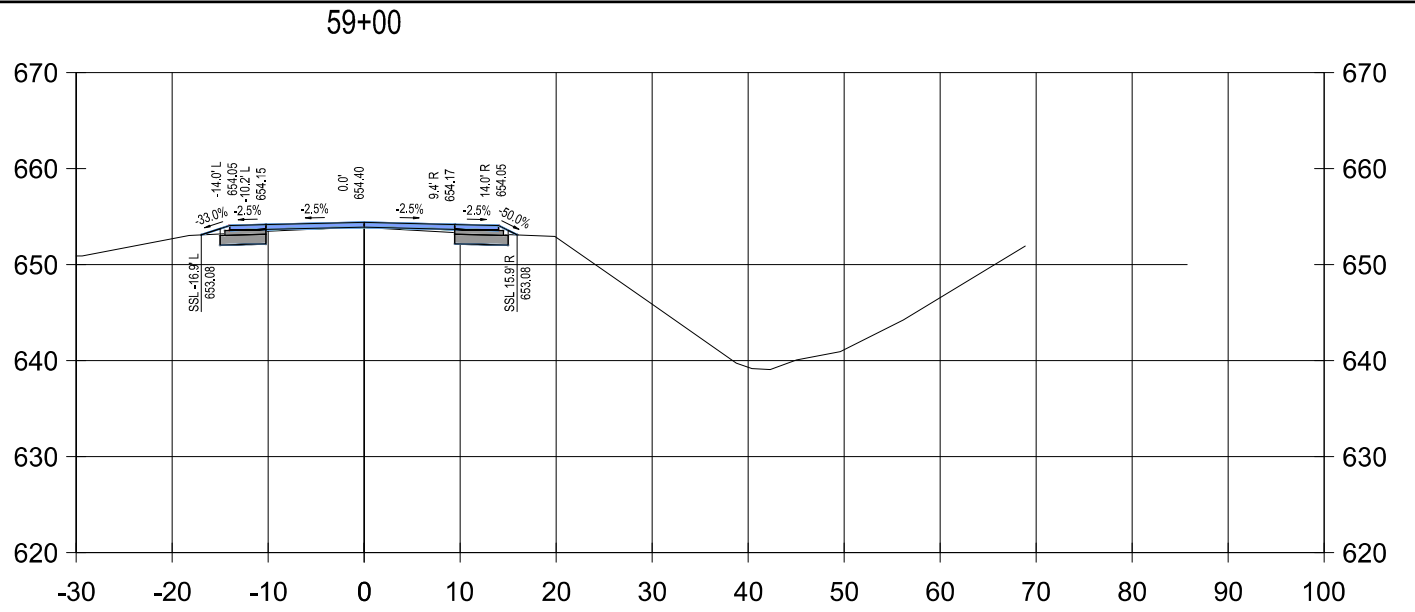
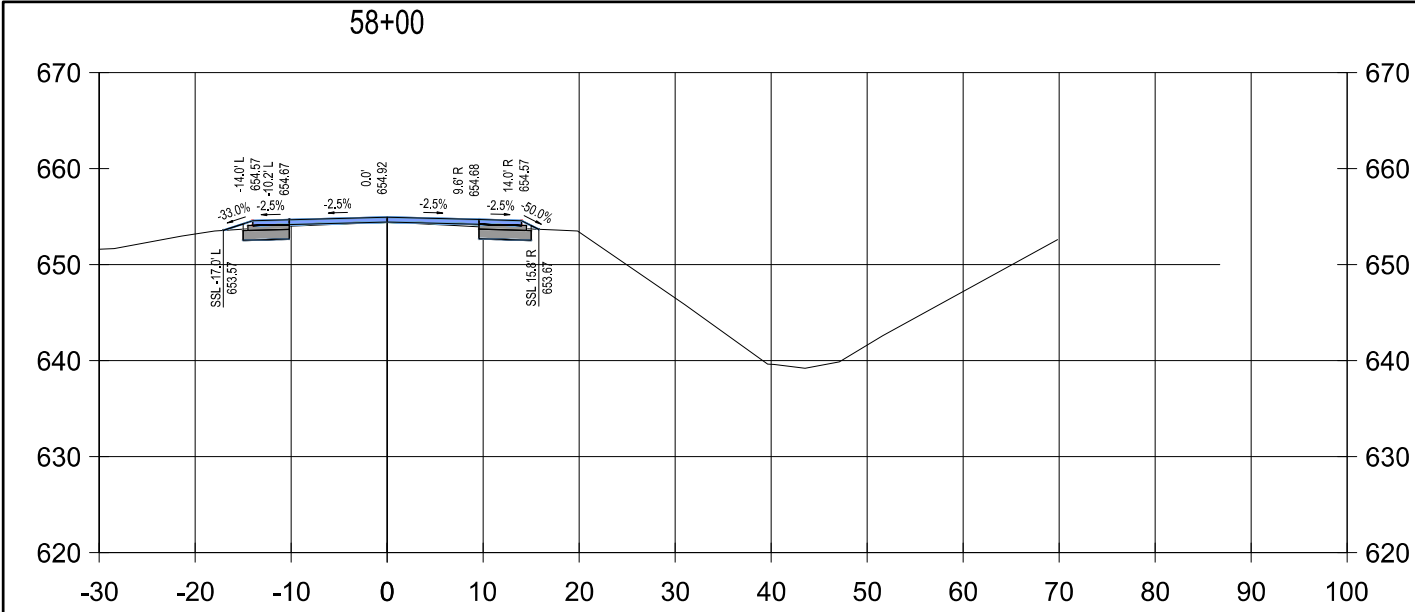


SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_XSECT.DWG

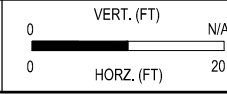
CROSS SECTIONS	
DUTCHER ROAD	
XSECT8	47

DRAWING	SHEET
XSECT8	47

3/30/2022 10:31 AM ryan.sullivan



FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



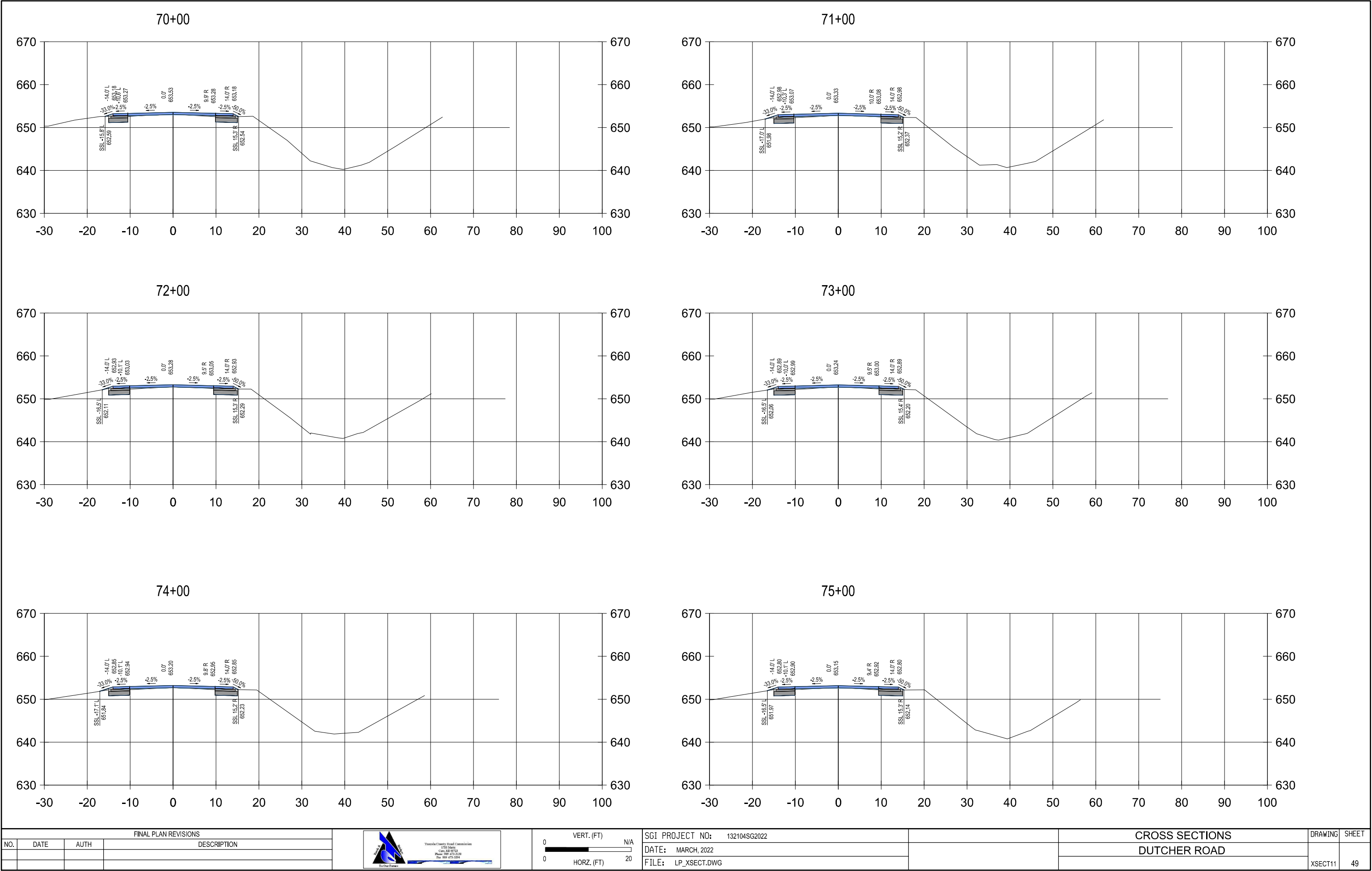
SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_XSECT.DWG

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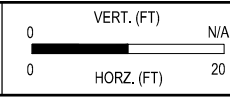
CROSS SECTIONS	
DUTCHER ROAD	
XSECT9	48

DRAWING	SHEET
XSECT9	48

3/30/2022 10:32 AM ryan.sullivan



FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



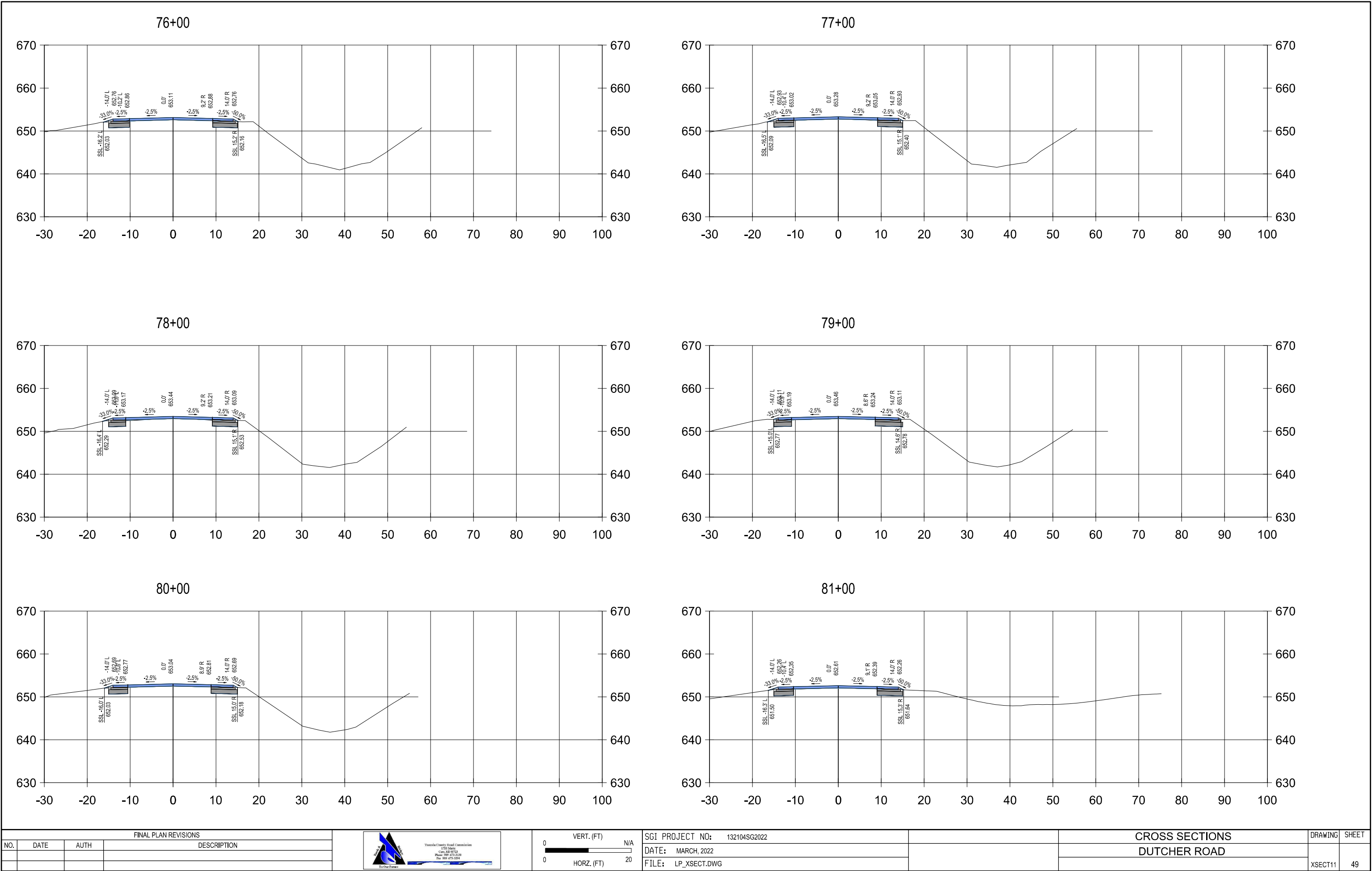
SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_XSECT.DWG

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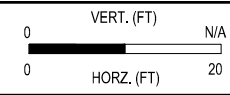
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DUTCHER ROAD	
XSECT11	49

DRAWING	SHEET
XSECT11	49

3/30/2022 10:32 AM ryan.sullivan



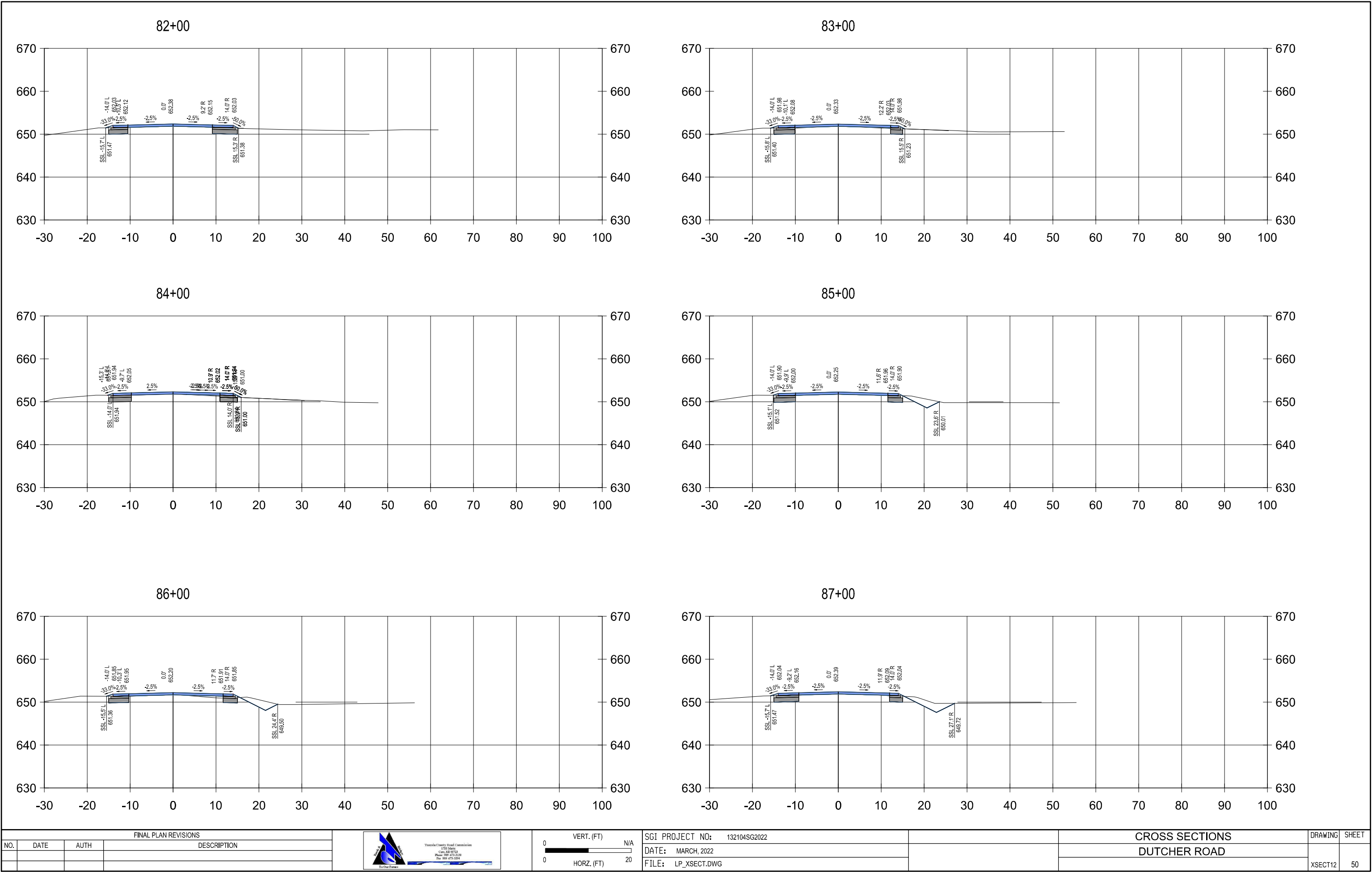
FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



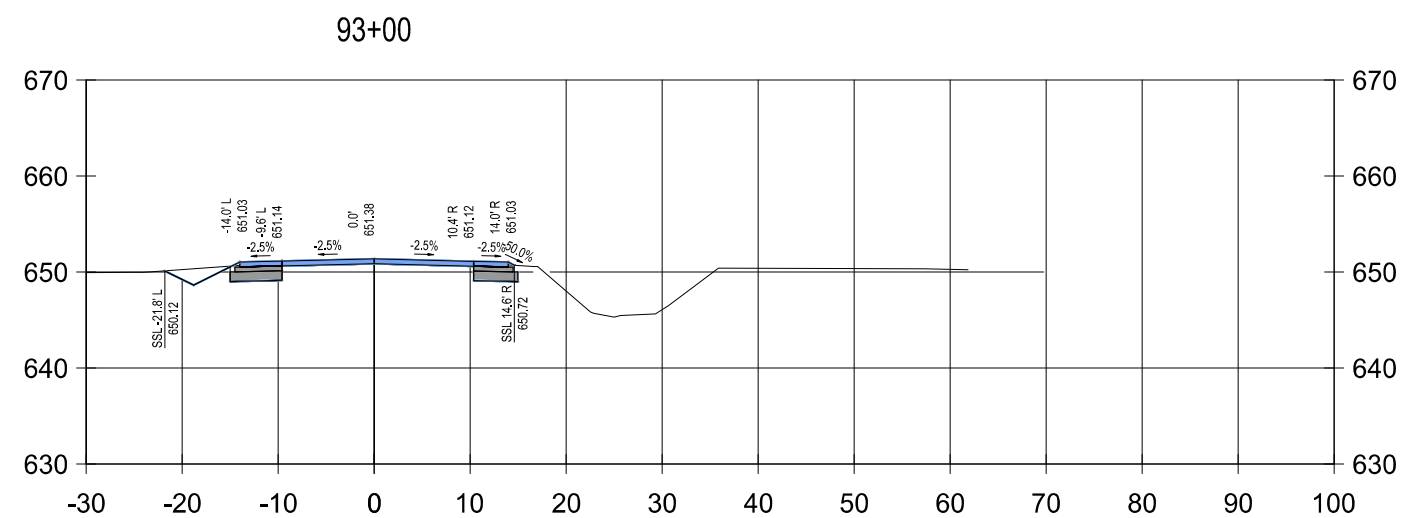
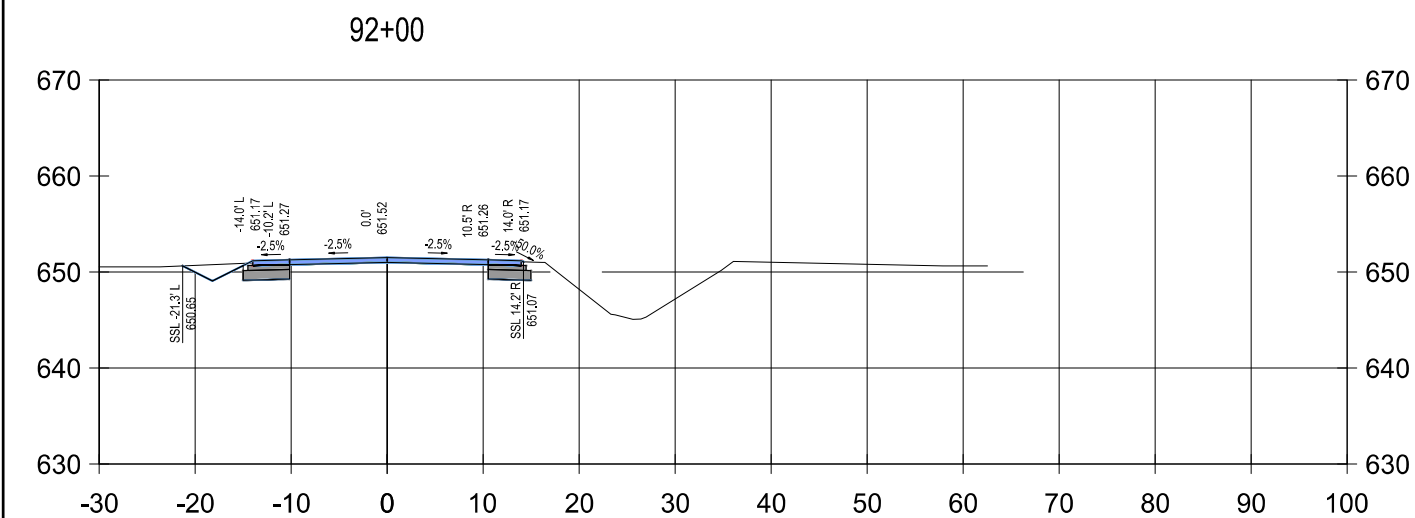
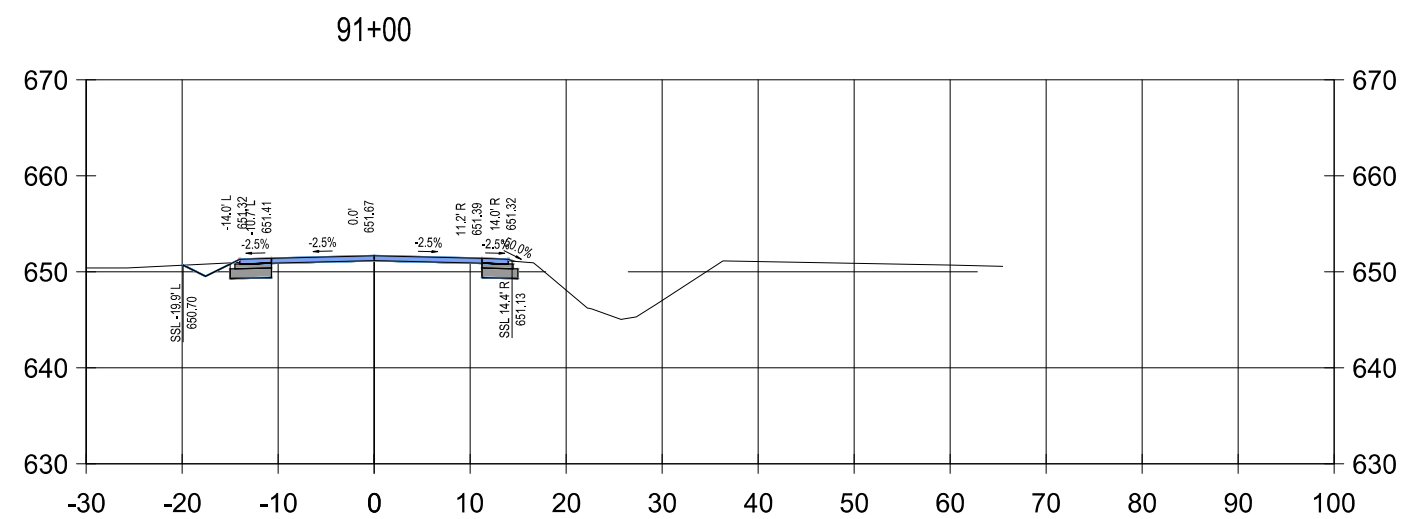
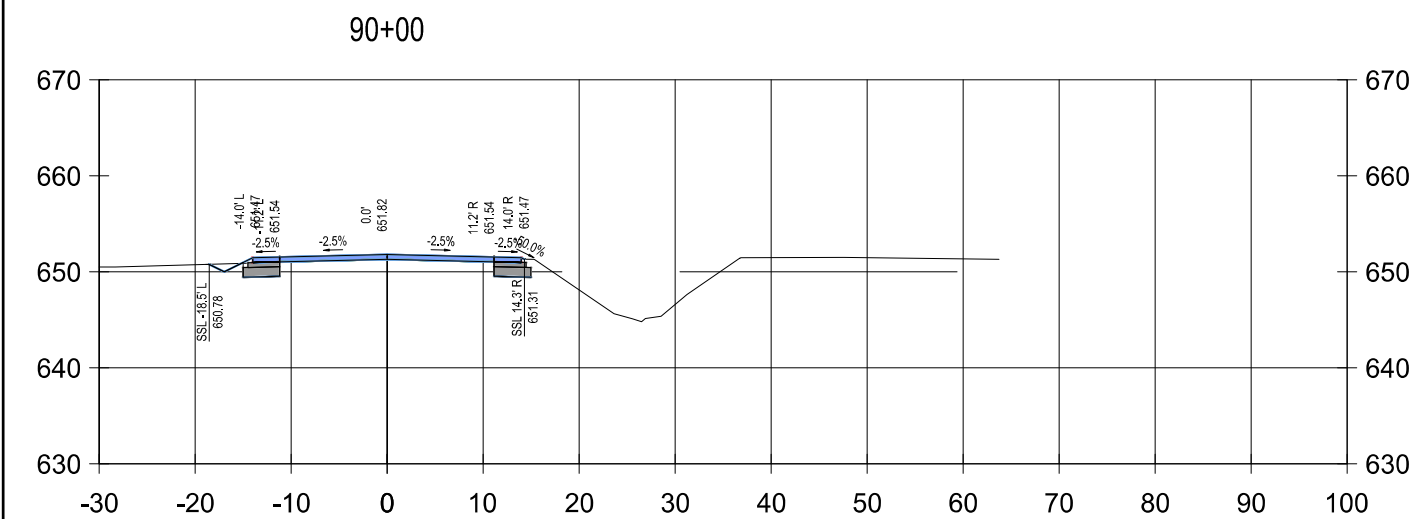
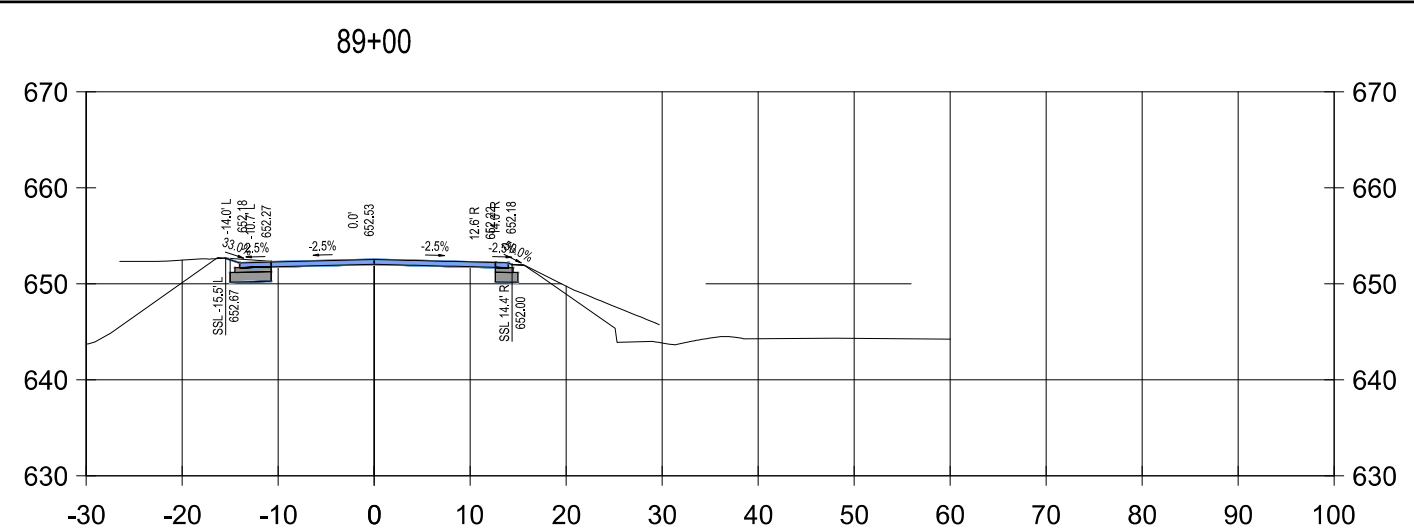
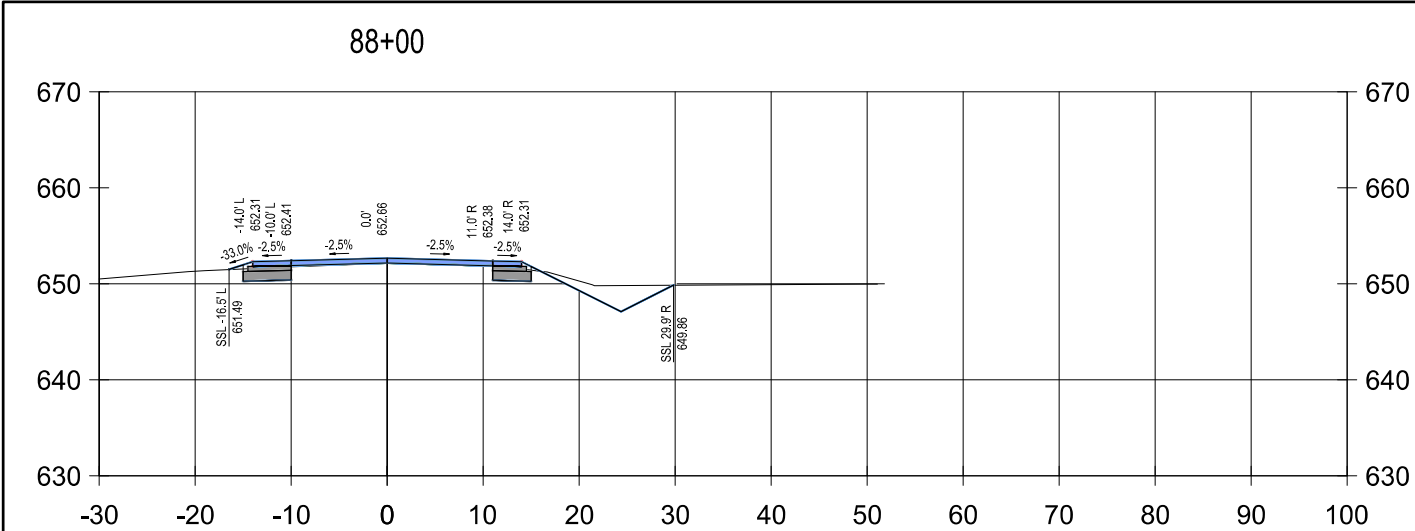
SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_XSECT.DWG

CROSS SECTIONS	
DUTCHER ROAD	
XSECT11	49

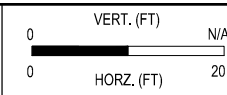
3/30/2022 10:32 AM ryan.sullivan



3/30/2022 10:32 AM ryan.sullivan



FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



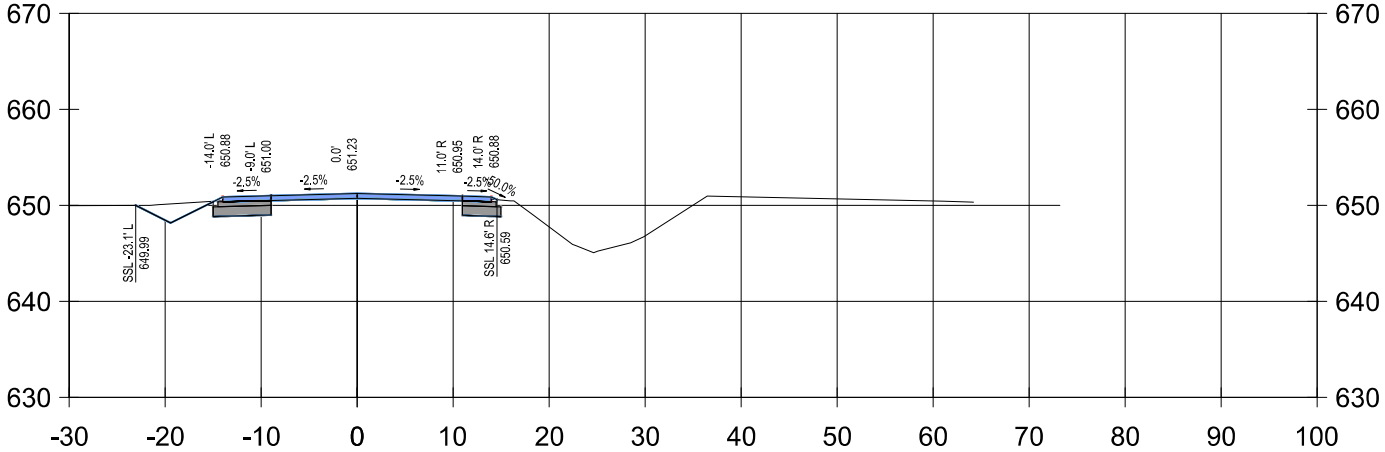
SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_XSECT.DWG

CROSS SECTIONS	
DUTCHER ROAD	
XSECT13	51

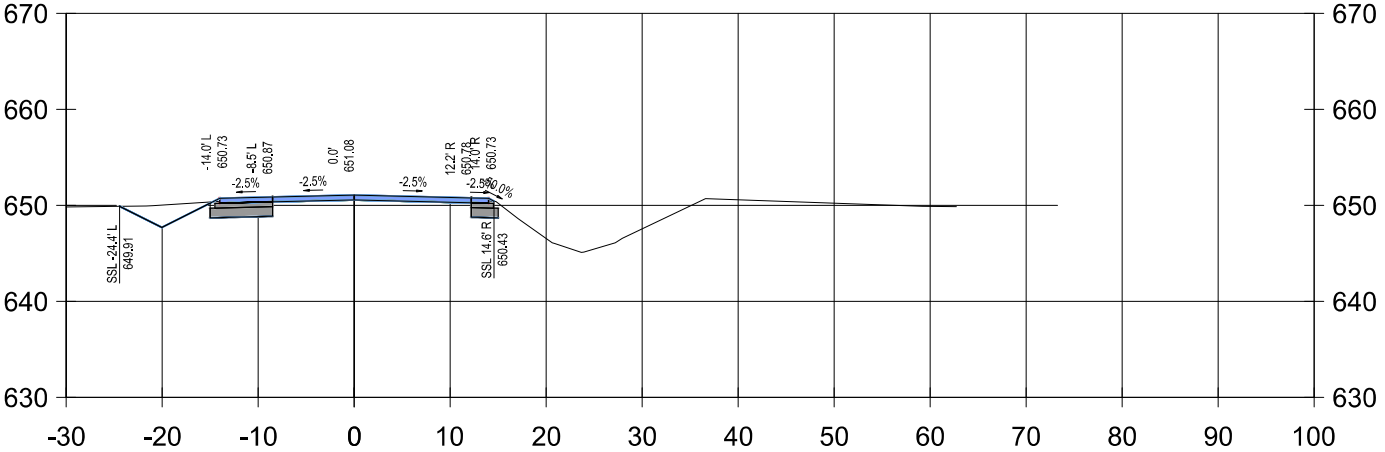
DRAWING	SHEET
XSECT13	51

3/30/2022 10:32 AM ryan.sullivan

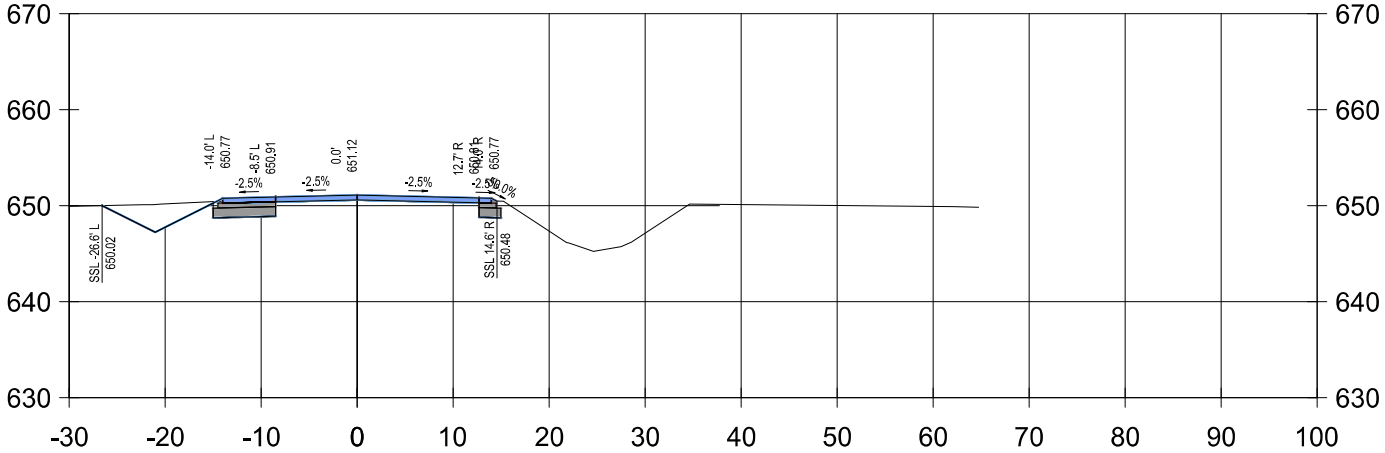
94+00



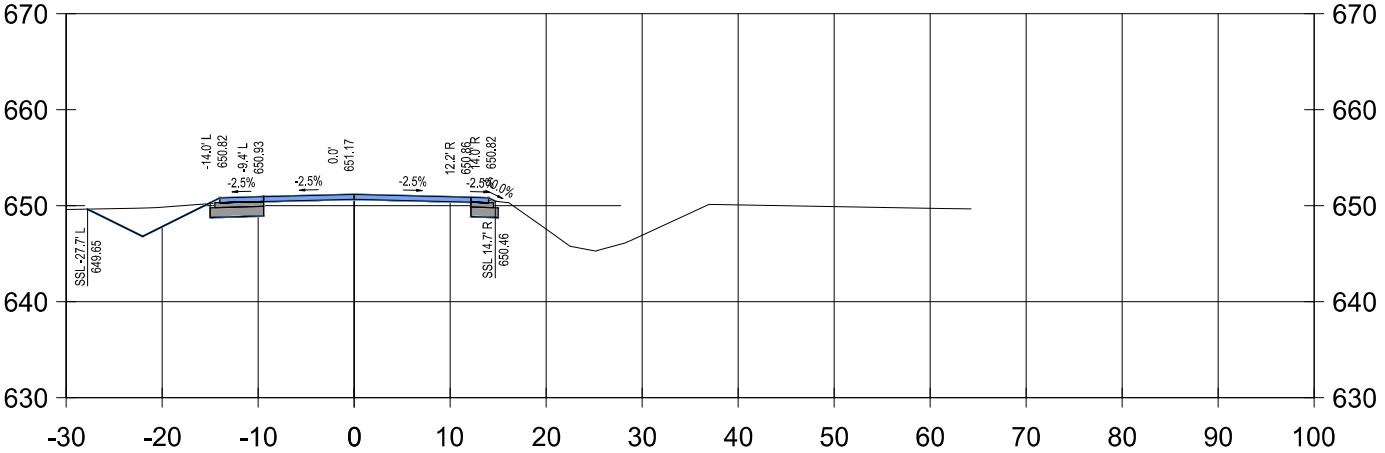
95+00



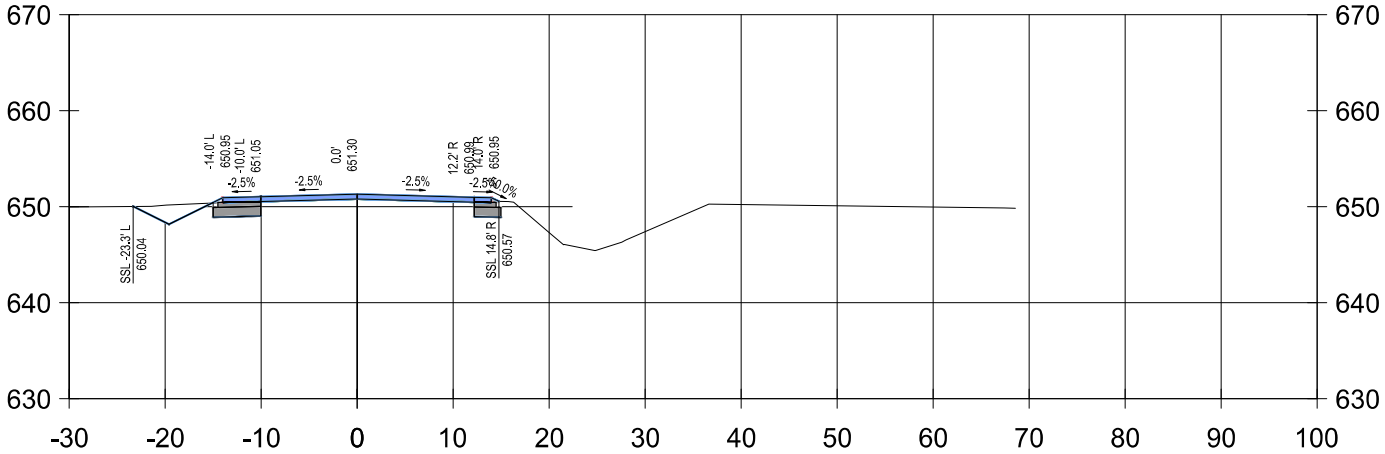
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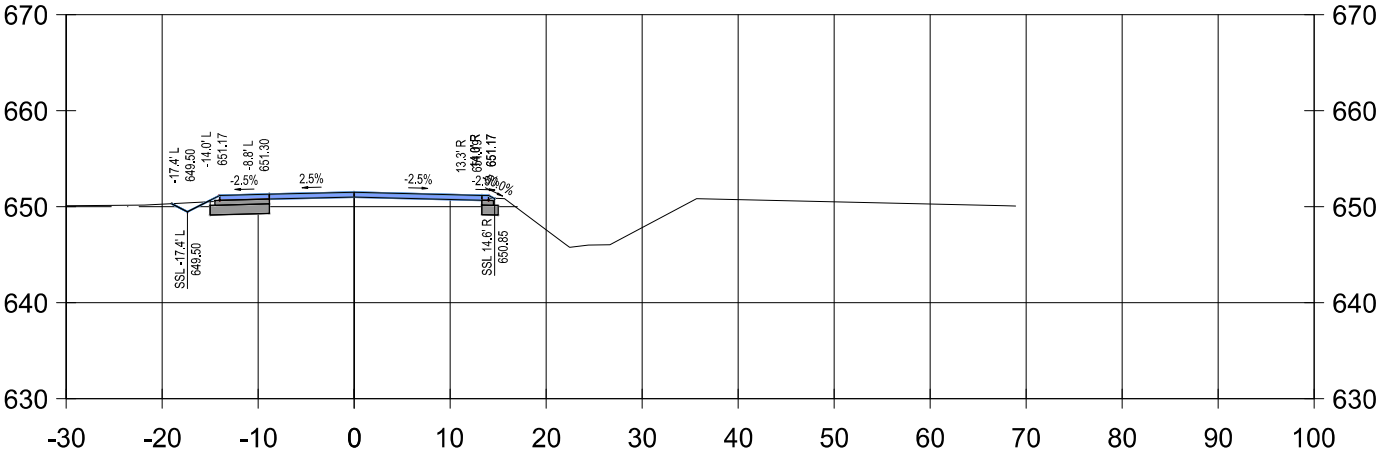
97+00



98+00

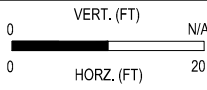


99+00



FINAL PLAN REVISIONS

NO.	DATE	AUTH	DESCRIPTION

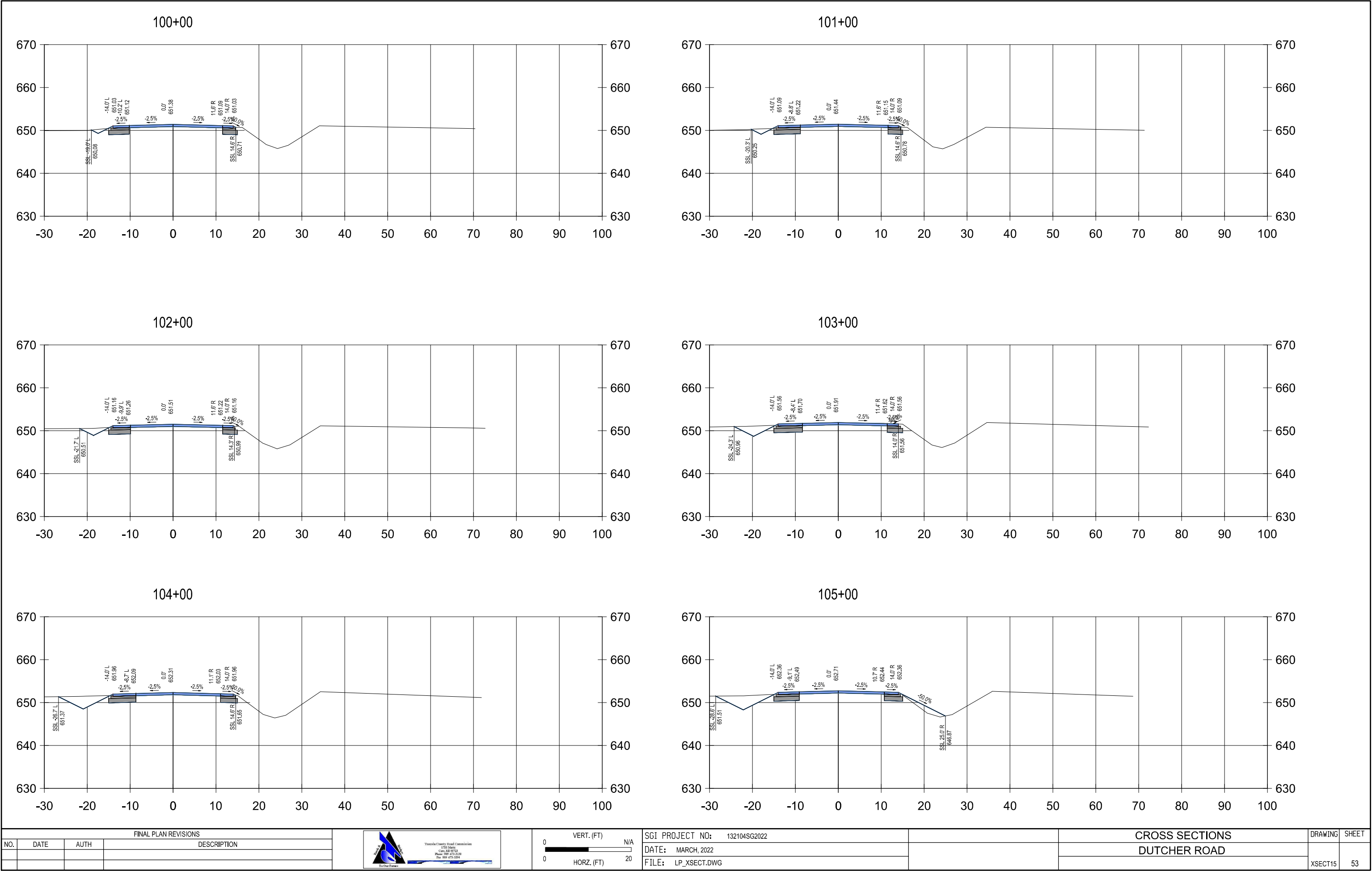


SGI PROJECT NO: 132104SG2022
DATE: MARCH, 2022
FILE: LP_XSECT.DWG

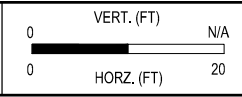
CROSS SECTIONS
DUTCHER ROAD

DRAWING	SHEET
XSECT14	52

3/30/2022 10:33 AM ryan.sullivan



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NO.	DATE	AUTH	DESCRIPTION



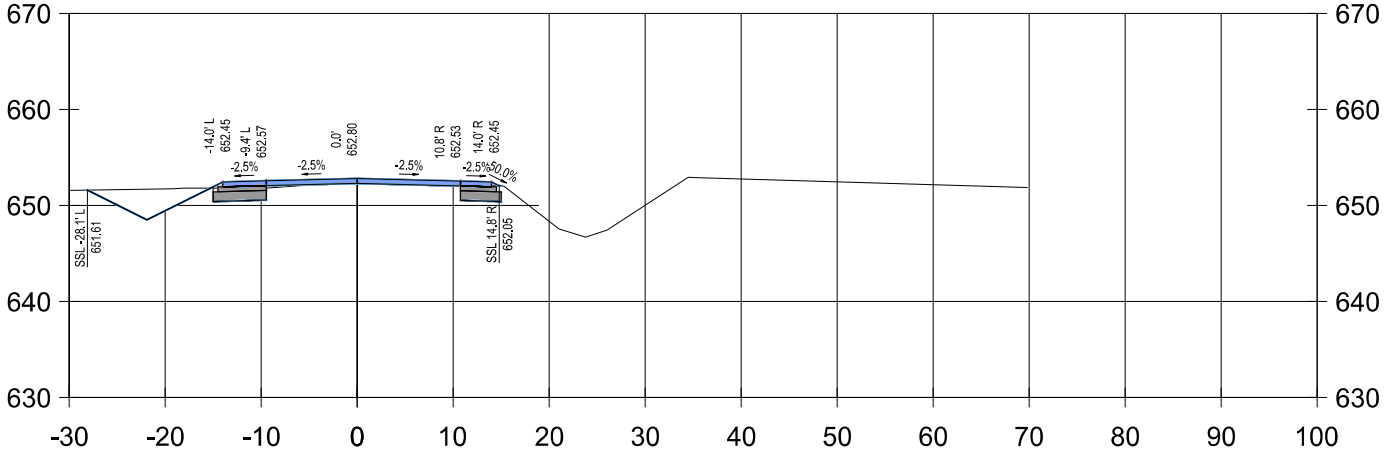
SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_XSECT.DWG

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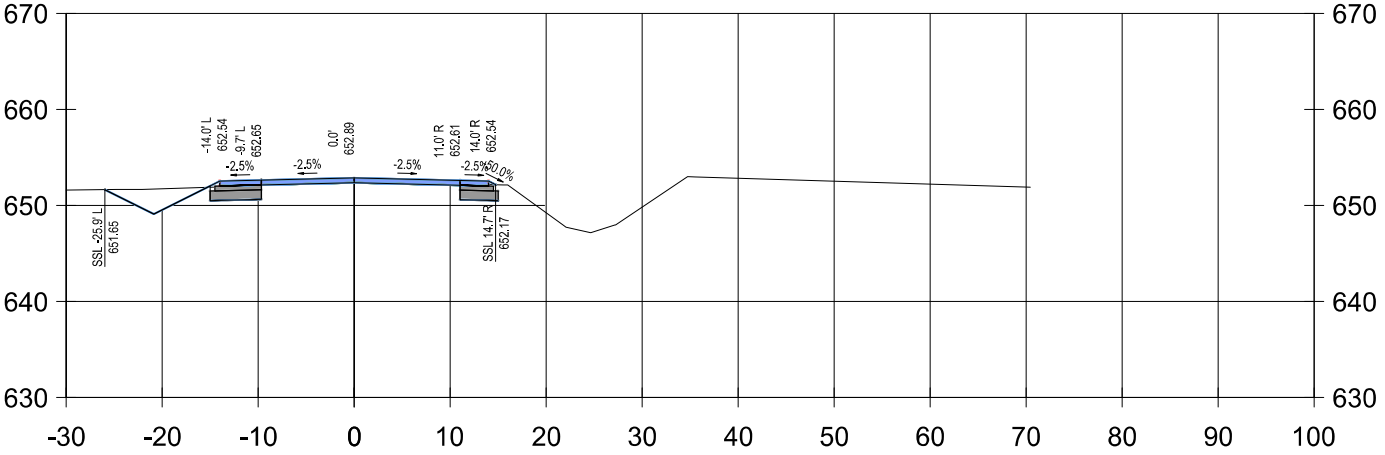
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XSECT15	53

3/30/2022 10:33 AM ryan.sullivan

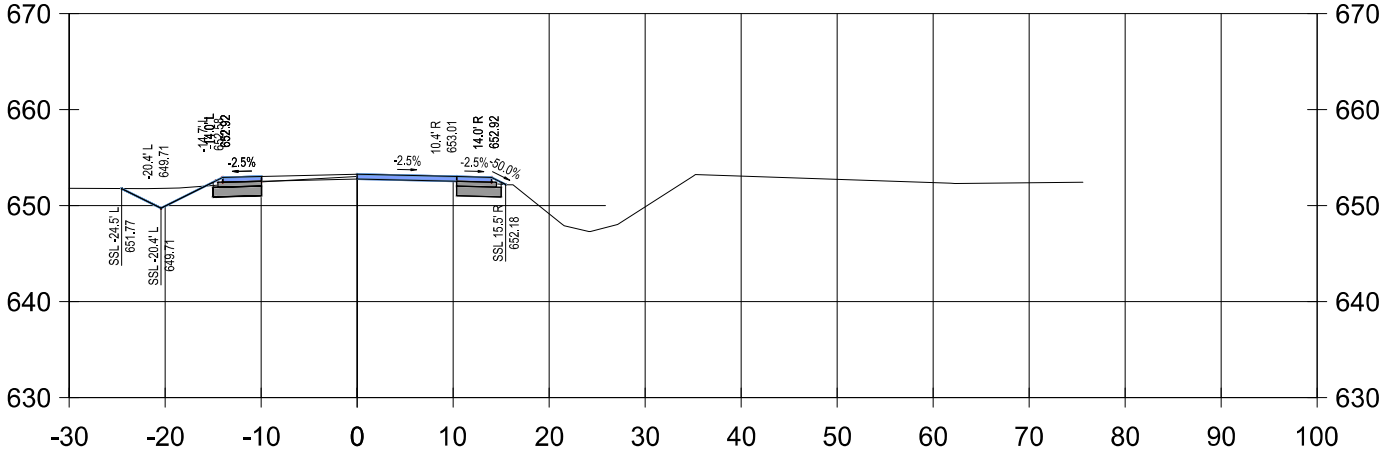
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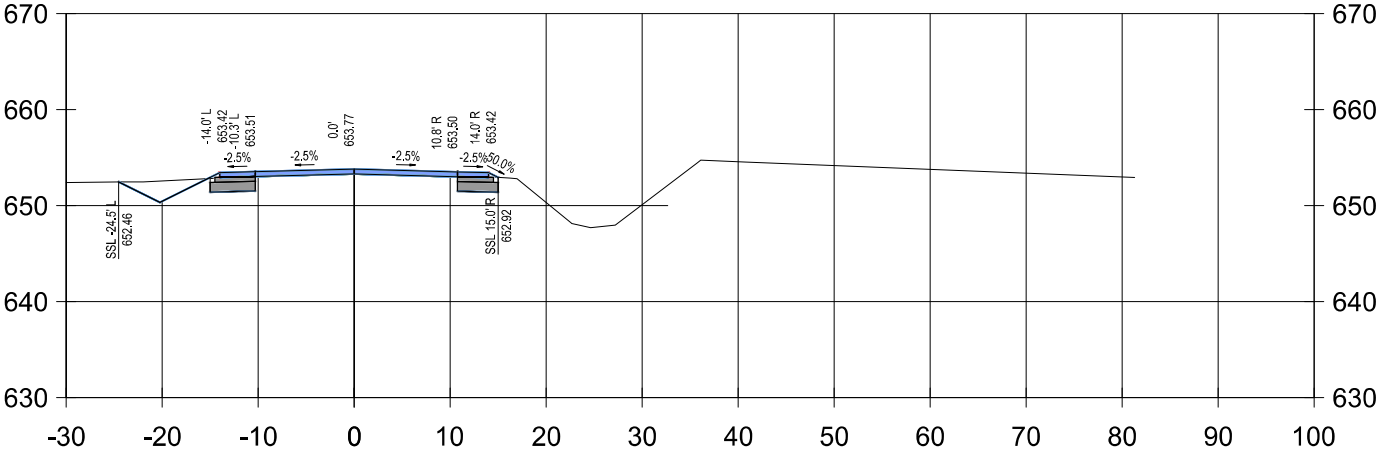
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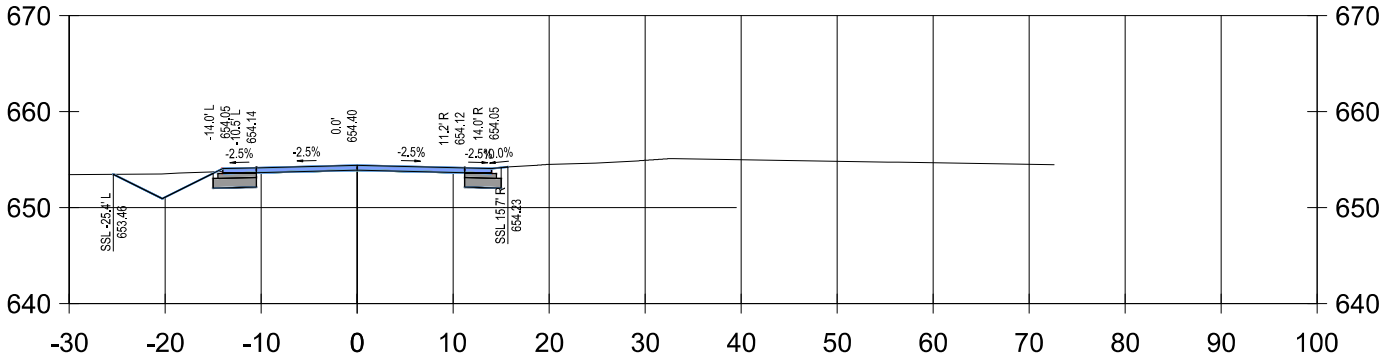
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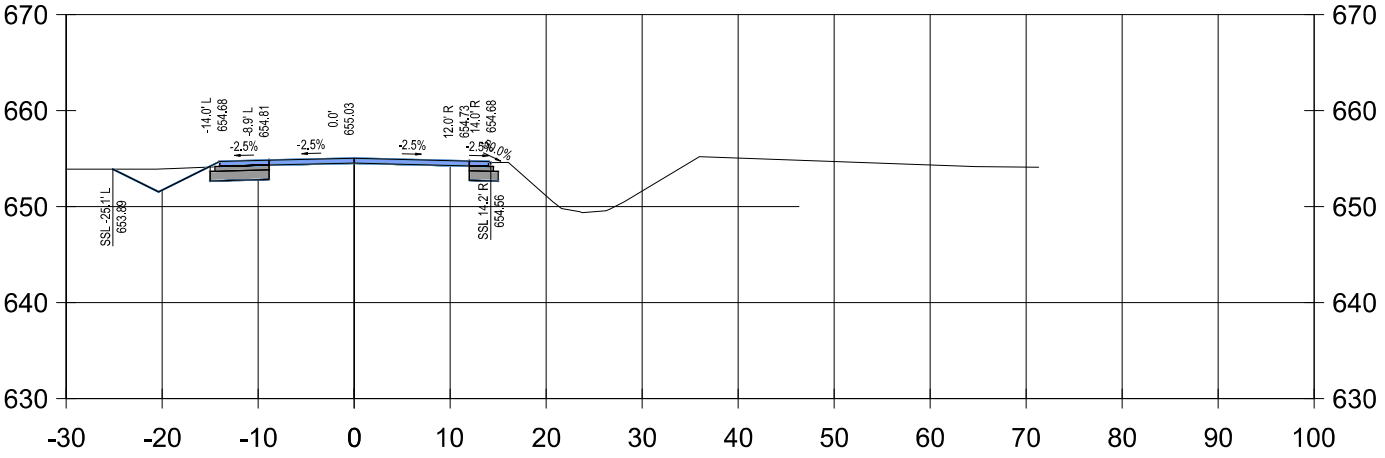
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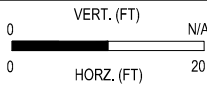


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NO.	DATE	AUTH	DESCRIPTION



SGI PROJECT NO: 132104SG2022

DATE: MARCH, 2022

FILE: LP_XSECT.DWG

CROSS SECTIONS

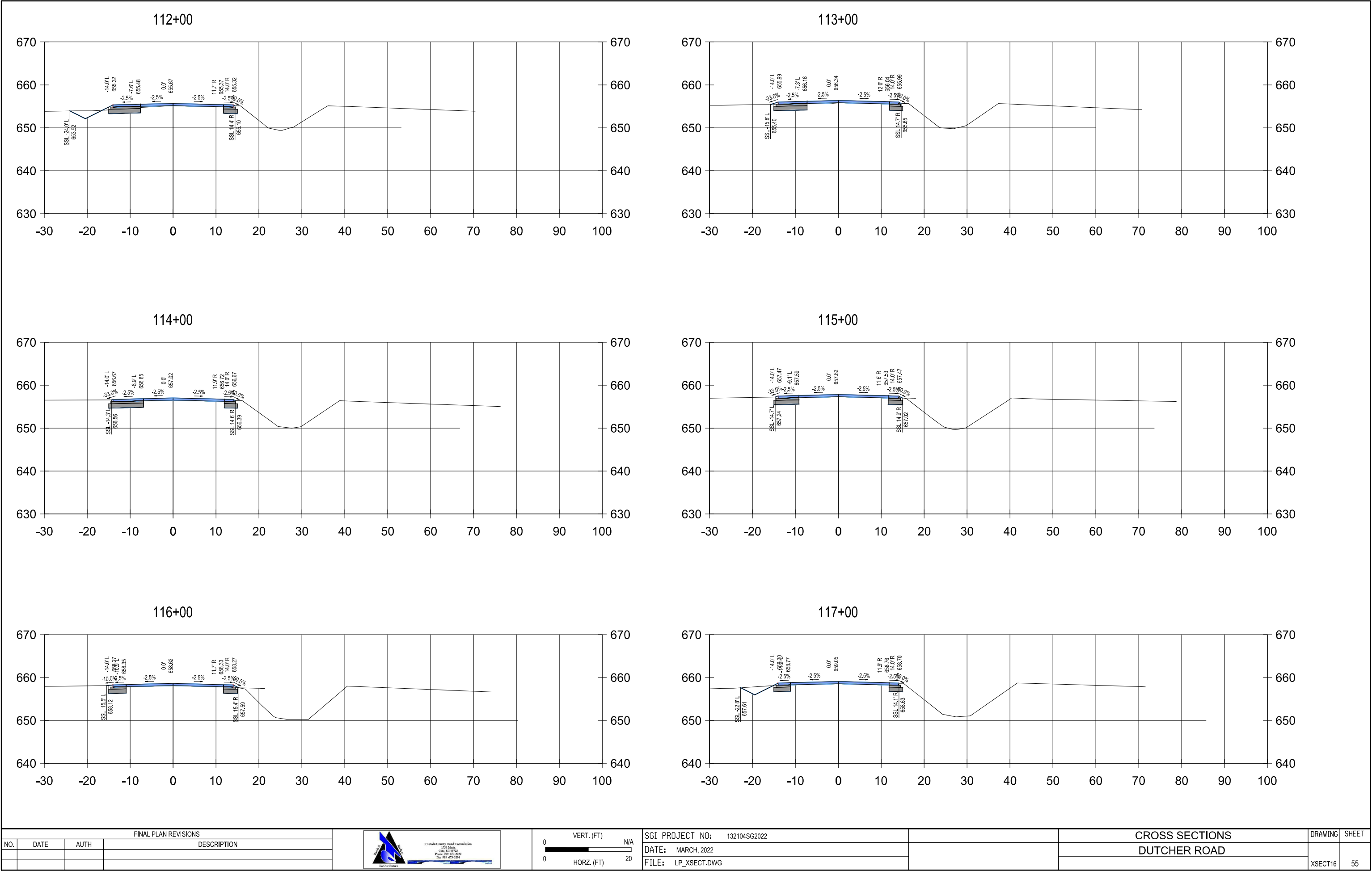
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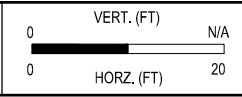
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XSECT15 54

3/30/2022 10:33 AM ryan.sullivan



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NO.	DATE	AUTH	DESCRIPTION

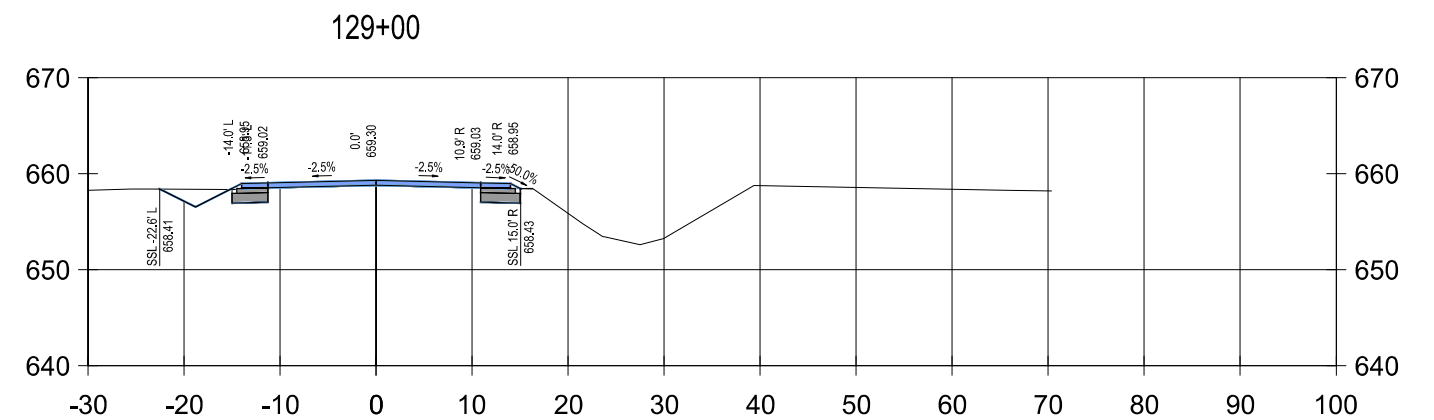
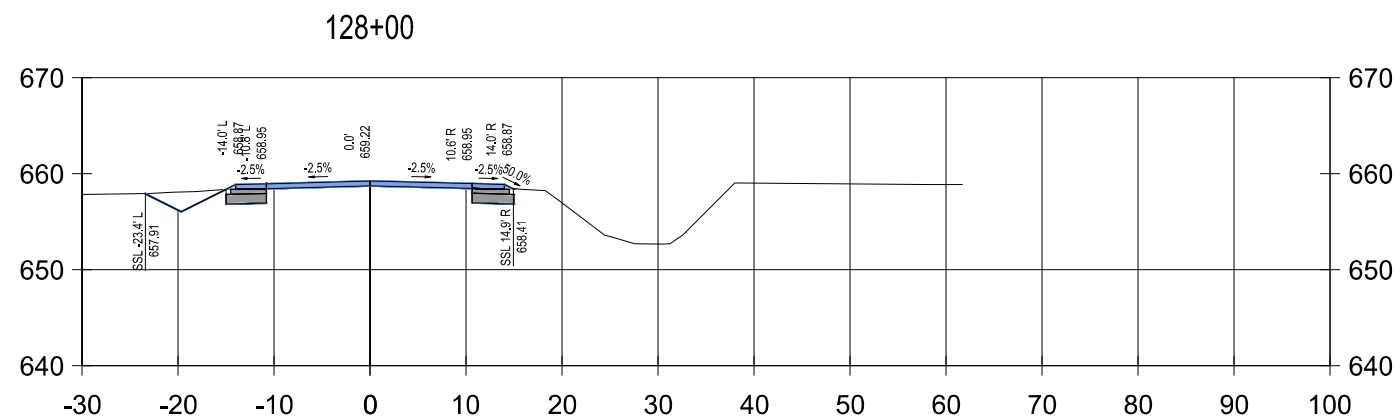
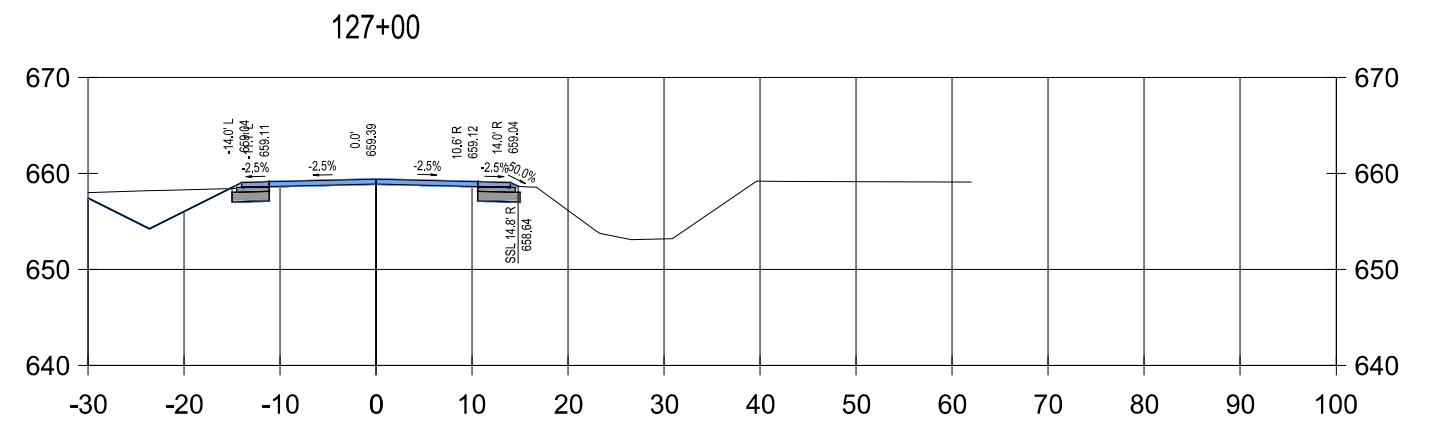
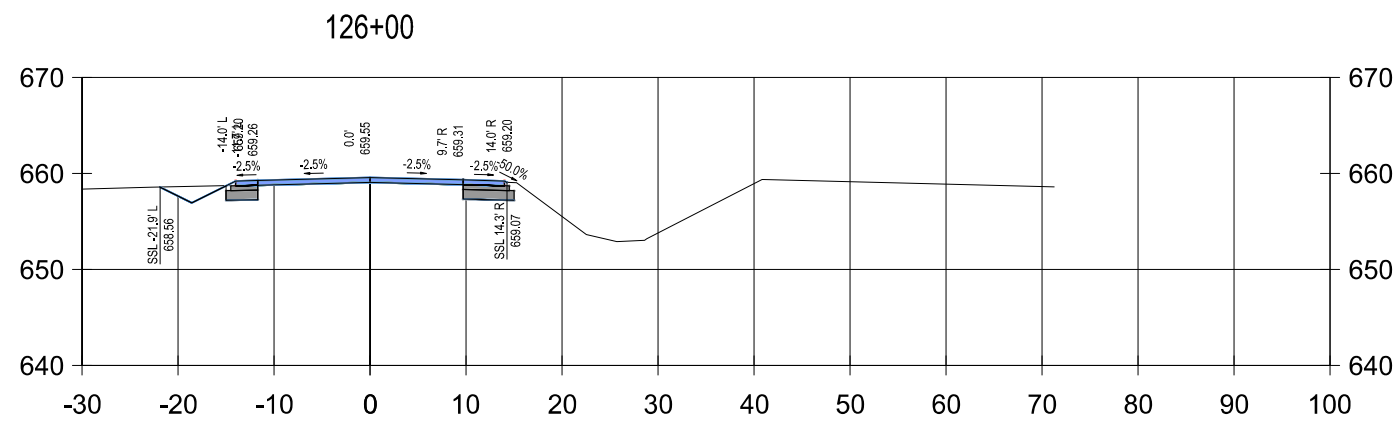
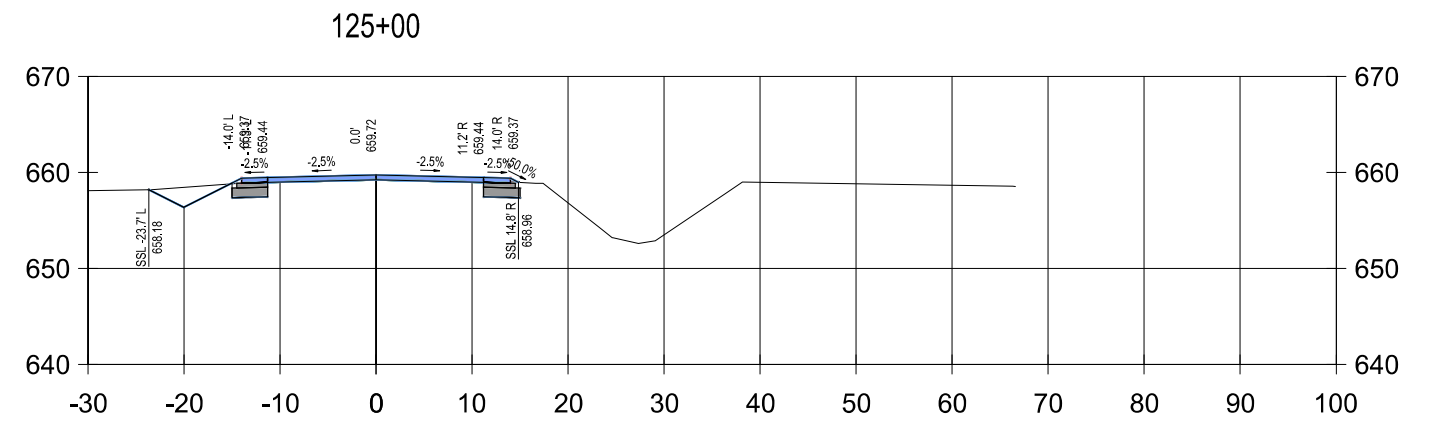
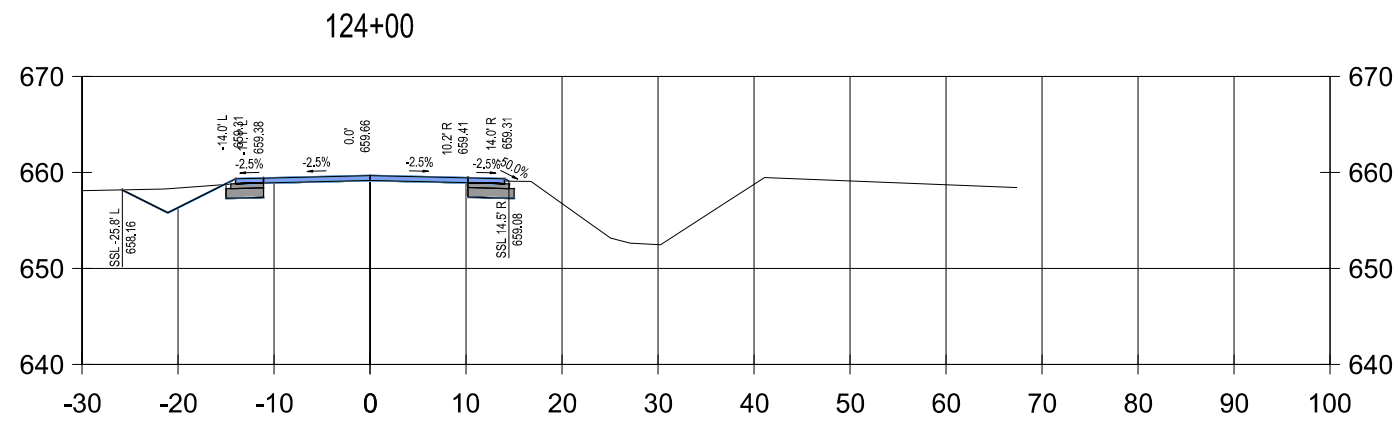




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DATE:	MARCH, 2022
FILE:	LP_XSECT.DWG

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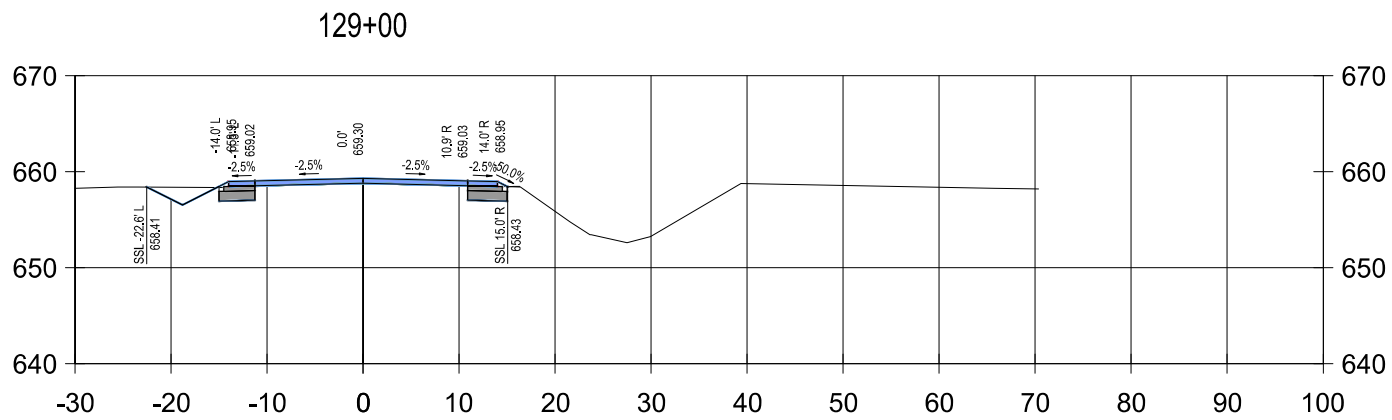
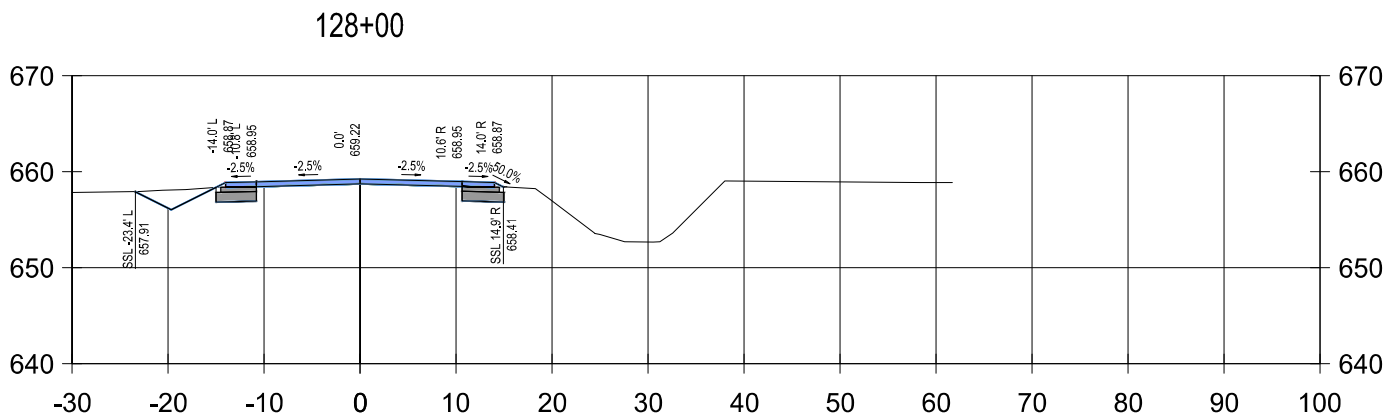
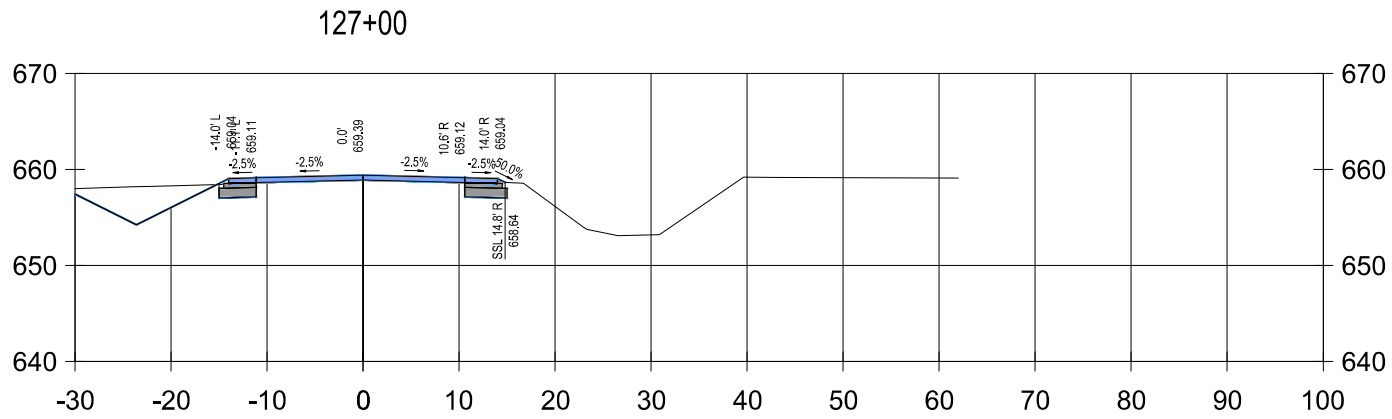
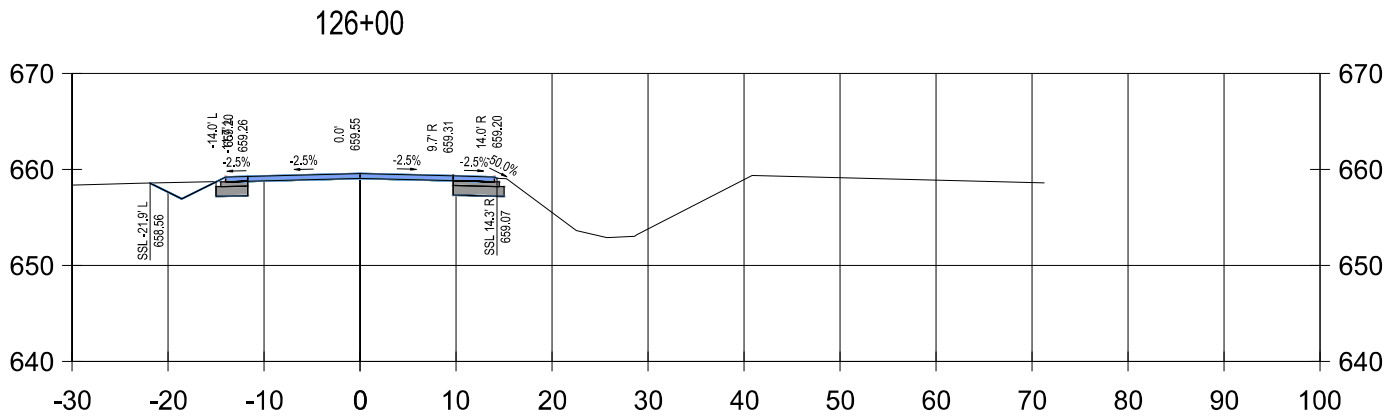
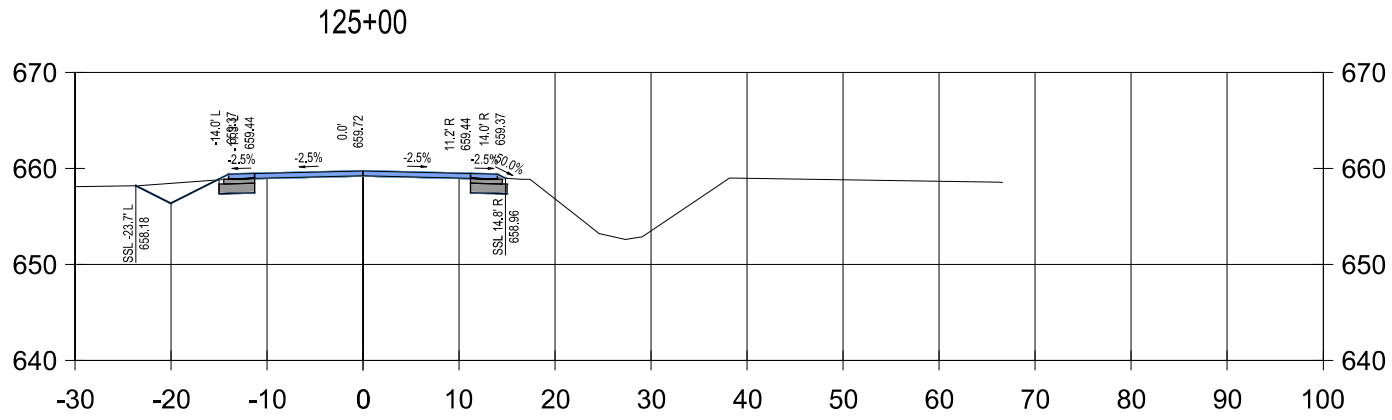
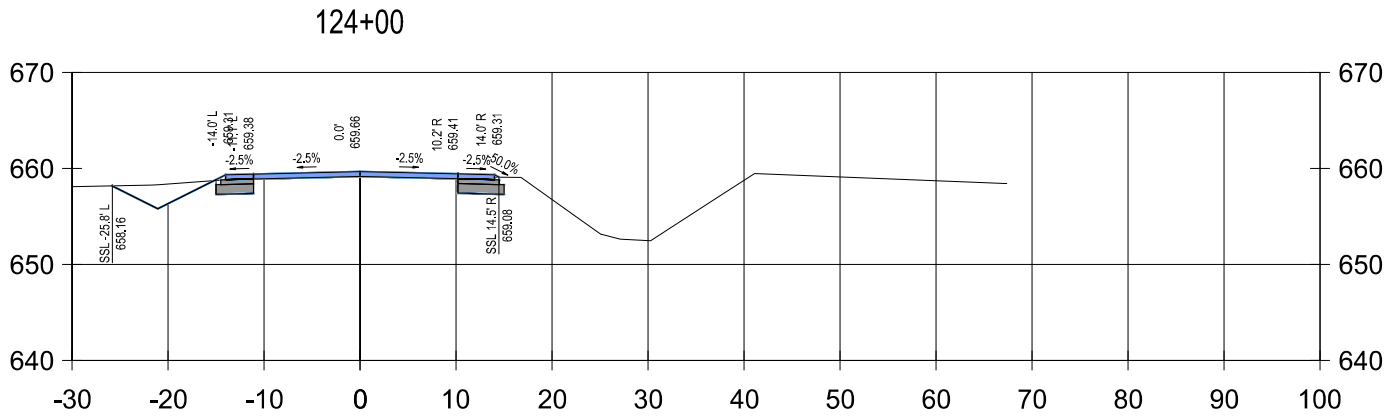
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DUTCHER ROAD	
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DRAWING	SHEET
XSECT16	55

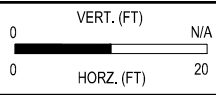


FINAL PLAN REVISIONS				 <p>Tusculum County Road Commission 1750 State Camp Hill, MD 20745 Phone: 301-271-2200 Fax: 301-271-3204</p>	VERT. (FT)		SGI PROJECT NO: 132104SG2022				CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION		 <p>0 N/A 0 20</p>		DATE: MARCH, 2022		DUTCHER ROAD		XSECT18	57		
							FILE: LP_XSECT.DWG							

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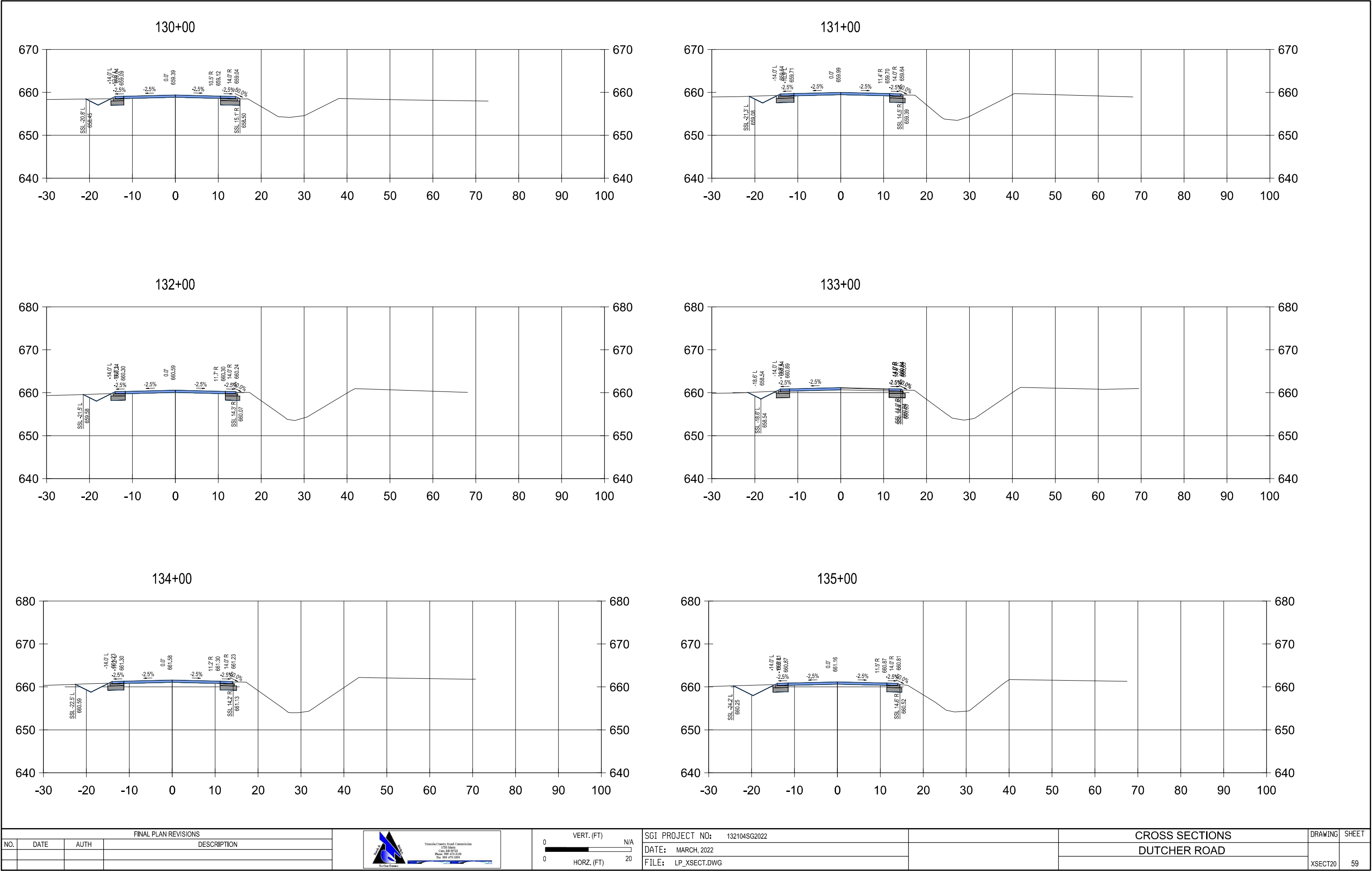
FINAL PLAN REVISIONS			
NO.	DATE	AUTH	DESCRIPTION



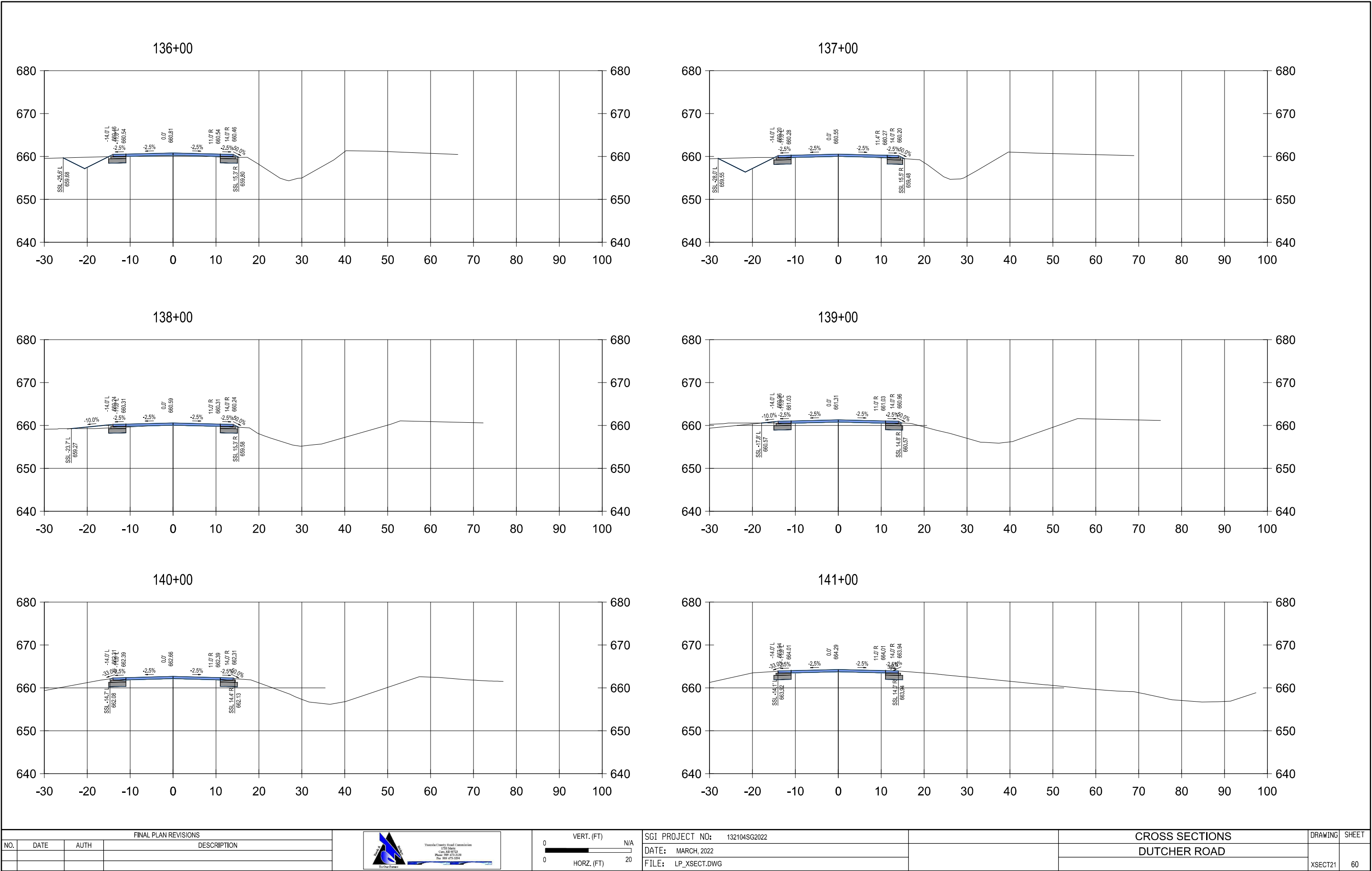
SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_XSECT.DWG

CROSS SECTIONS		DRAWING	SHEET
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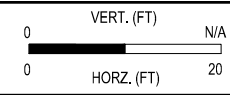
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NO.	DATE	AUTH	DESCRIPTION



SGI PROJECT NO:	132104SG2022
DATE:	MARCH, 2022
FILE:	LP_XSECT.DWG

CROSS SECTIONS		DRAWING	SHEET
DUTCHER ROAD		XSECT21	60