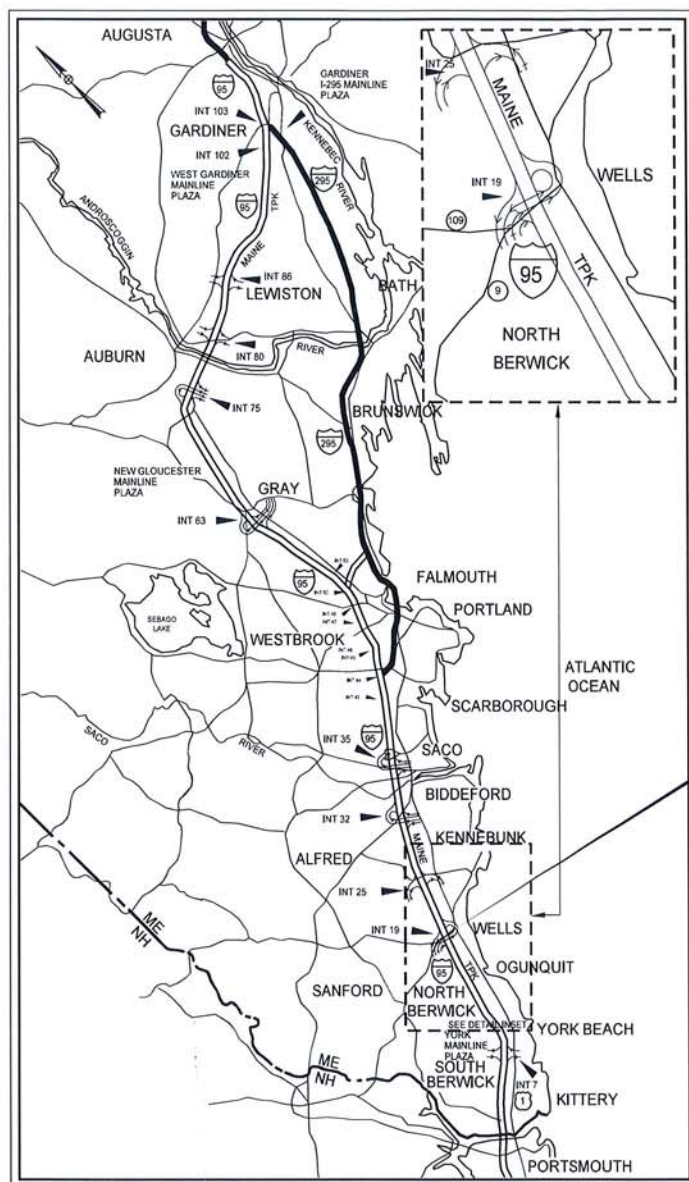


Filename: \\00\HIGHWAY\MSTA\001_TITLE.dgn Division: HIGHWAY Date: 3/6/2019 Username:



LOCATION MAP



THE GOLD STAR
MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY

DANIEL E. WATHEN, CHAIR
ROBERT D. STONE, VICE CHAIR
MICHAEL J. CIANCHETTE, MEMBER
JOHN E. DORITY, MEMBER
ANN R. ROBINSON, MEMBER
THOMAS J. ZUKE, MEMBER
BRUCE A. VAN NOTE, MEMBER EX-OFFICIO

S. PETER MILLS, EXECUTIVE DIRECTOR

CONTRACT 2019.07
ROUTE 109 / EXIT 19 IMPROVEMENTS

CONTRACT 2019.07 ROUTE 109 / EXIT 19 IMPROVEMENTS VOLUME I

TO BE COMPLETED AS PART OF
MAINEDOT W.I.N. 023927.00
NORTH BERWICK - WELLS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES AND GENERAL NOTES
3	TYPICAL SECTIONS
4	TEMPORARY TRAFFIC CONTROL DETAILS
5-6	PLANS
7	SIGN DETAILS / SIGN SUMMARY
8-14	CROSS SECTIONS

APPROVED: MAINE TURNPIKE AUTHORITY


PETER S. MERFELD, P.E.
CHIEF OPERATIONS OFFICER

3/6/19
DATE


STEPHEN R. TARTRE, P.E.
DIRECTOR OF ENGINEERING AND BUILDING MAINTENANCE

3/6/19
DATE

TYLIN INTERNATIONAL




KEVIN S. DUCHARME, P.E.
PROJECT MANAGER

3/6/2019
DATE

CONTRACT 2019.07

Date:3/11/2019

Filename: ...\\MSTA\\002_Civil_GNotes.dgn

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
202.202	REMOVE PAVEMENT SURACE	SY	520
203.20	COMMON EXCAVATION	CY	450
203.25	GRANULAR BORROW	CY	10
304.10	AGGREGATE SUBBASE COURSE - GRAVEL TYPE D	CY	300
403.2081	POLYMER MODIFIED HOT MIX ASPHALT, 12.5 mm NOMINAL MAXIMUM SIZE	TON	80
403.2131	POLYMER MODIFIED HOT MIX ASPHALT, 12.5 mm NOMINAL MAX SIZE (BASE AND INTERMEDIATE COURSE)	TON	200
409.15	BITUMINOUS TACK COAT, APPLIED	GAL	60
424.22	ASPHALT RUBBER CRACK SEALER TYPE 2, APPLIED	LB	115
603.159	12 INCH CULVERT PIPE OPTION III	LF	14
603.179	18 INCH CULVERT PIPE OPTION III	LF	8
603.199	24 INCH CULVERT PIPE OPTION III	LF	32
604.092	CATCH BASIN TYPE B+C	EA	2
604.16	ALTERING CATCH BASIN	EA	1
604.161	ALTERING CATCH BASIN TO MANHOLE	EA	1
604.242	CATCH BASIN TYPE F3	EA	2
605.15	24" UNDERDRAIN TYPE C	LF	65
609.21	CONCRETE SLIPFORM CURB (MOLD 1)	LF	430
610.08	PLAIN RIPRAP	CY	5
613.319	EROSION CONTROL BLANKET	SY	25
615.07	LOAM	CY	20
618.13	SEEDING METHOD NUMBER 1	UNIT	5
619.12	MULCH	UNIT	5
619.13	BARK MULCH	CY	15
620.58	EROSION CONTROL GEOTEXTILE	SY	10
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	LF	2440
627.77	REMOVING EXISTING PAVEMENT MARKING	SF	95
627.944	RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKING	SF	92
629.05	HAND LABOR - STRAIGHT TIME	HR	20
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	HR	20
631.172	TRUCK, LARGE (INCLUDING OPERATOR)	HR	20
631.32	CULVERT CLEANER (INC. OPERATOR)	HR	4
645.109	REMOVE AND SALVAGE HIGHWAY SIGNS	EA	4
645.1061	RELOCATE EXISTING SIGN ASSEMBLY AND POST	EA	3
645.292	REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE 11	SF	50
652.33	DRUM	EA	90
652.34	CONE	EA	30
652.35	CONSTRUCTION SIGNS	SF	275
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	CD	10
656.75	TEMP. SOIL EROSION AND WATER POLLUTION CONTROL	LS	1
659.10	MOBILIZATION	LS	1

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM CROSS SECTIONS)	442
TOTAL COMMON EXCAVATION	442

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM CROSS SECTIONS)	43
TOTAL FILL	43

ROCK EXCAVATION FOR ESTIMATE

ROCK EXCAVATION (FROM CROSS SECTIONS)	0
TOTAL ROCK EXCAVATION	0

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

(1) TOTAL COMMON EXCAVATION	442
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DEDUCTIONS:	
GRUBBING IN CUT	26
PAVEMENT SALVAGE IN FILL	0
PAVEMENT SALVAGE IN CUT	25

(2) TOTAL DEDUCTIONS	51
----------------------	----

TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)	391
TOTAL AVAILABLE STRUCT. EXCAVATION (UNDERDRAIN ONLY)	5
TOTAL AVAILABLE NON-ROCK EXCAVATION	396

COMPUTATION OF WASTE STORAGE AND WASTE MATERIAL

TOTAL AVAILABLE WASTE STORAGE AREA (FROM CROSS SECTIONS)	0
GRUBBING IN CUT	26

TOTAL WASTE MATERIAL TO BE UTILIZED = SMALLER OF TOTAL AVAILABLE WASTE STORAGE AREA OR TOTAL WASTE MATERIAL	0
---	---

TOTAL WASTE MATERIAL TO BE WASTED = TOTAL WASTE MATERIAL MINUS TOTAL WASTE MATERIAL TO BE UTILIZED	26
--	----

COMPUTATION OF GRANULAR BORROW FOR ESTIMATE

GRANULAR BORROW TO REPLACE MUCK	0
GRANULAR BORROW IN LOW WET AREAS	0
GRANULAR BORROW TO UPGRADE EXCAVATION	0
GRANULAR BORROW TO MAINTAIN TRAFFIC	10
TOTAL GRANULAR BORROW	10

COMPUTATION OF COMMON BORROW FOR ESTIMATE

(3) TOTAL FILL	8
----------------	---

TOTAL AVAIL. NON-ROCK EXCAVATION	396	x0.85=	337
TOTAL AVAIL. ROCK EXCAVATION	0	x1.33=	0
TOTAL AVAIL. STR. EARTH EXCAVATION	0	x0.85=	0
TOTAL AVAIL. STR. ROCK EXCAVATION	0	x1.33=	0
TOTAL WASTE MATL. TO BE UTILIZED	0	x1.00=	0

(4) TOTAL AVAILABLE EXCAVATION	337
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TOTAL SURPLUS MATERIAL = AVAILABLE EXCAVATION MINUS TOTAL FILL PLUS WASTE MATERIAL TO BE WASTED	294
---	-----

GENERAL

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS LATEST REVISION AND THE MAINE DEPARTMENT OF TRANSPORTATION'S STANDARD DETAILS HIGHWAYS & BRIDGES LATEST REVISION UNLESS OTHERWISE NOTED OR INCLUDED IN THESE PLANS.
- NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
- "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN ACCESS TO ALL DRIVEWAYS AND SIDE ROADS DURING CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS.
- THE CONTRACTOR SHALL SUBMIT THEIR PROPOSED STAGING AREA(S) TO THE RESIDENT FOR APPROVAL PRIOR TO STARTING WORK.
- RIGHT OF WAY AND PROPERTY LINES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

7. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THE PLAN SET IS FOR BIDDER'S AND CONTRACTOR'S USE. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF ACTUAL SUBSURFACE CONDITIONS AT THE TIME OF CONSTRUCTION. THE AUTHORITY SHALL NOT BE RESPONSIBLE FOR THE BIDDER'S AND CONTRACTOR'S INTERPRETATIONS OF, OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS CONTAINED IN THE PLAN SET PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.

SIGNING

- STANDARD GROUND MOUNT SIGNS SHALL BE COMPLETED IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S 2014 STANDARD DETAILS HIGHWAYS & BRIDGES.

UTILITY

- THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:
CENTRAL MAINE POWER CO.
CONSOLIDATED COMMUNICATIONS
CHARTER COMMUNICATIONS (SPECTRUM)
UNITIL
WELLS SANITARY DISTRICT
MAINE TURNPIKE AUTHORITY
- ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.
- EXISTING UTILITIES ON THESE PLANS WERE COMPILED FROM FIELD SURVEY AND VARIOUS OTHER SOURCES. LOCATIONS ARE NOT GUARANTEED TO BE ACCURATE NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED. NO WORK SHALL BE STARTED UNTIL THE OWNERS OF THE VARIOUS UTILITIES ARE NOTIFIED BY THE CONTRACTOR OF THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS ALSO REQUIRED TO CALL DIG SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO THE START OF THE WORK.

EARTHWORK

- ALL WASTE MATERIAL SHALL BE DISPOSED OF OFF THE PROJECT IN ACCORDANCE WITH CHAPTER 404, DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE MANAGEMENT RULES.
- EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA SUBPART P OF 29 CFR PART 1926.650-652 (CONSTRUCTION STANDARDS FOR EXCAVATION).

PAVING

- ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS.
- ALL JOINTS BETWEEN EXISTING AND PROPOSED HOT BITUMINOUS PAVEMENT SHALL BE BUTTED. PAYMENT SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS.
- HOT MIX ASPHALT FOR TEMPORARY RAMPS WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCIDENTAL TO THE PAVEMENT ITEMS.
- ITEM 424.22 HOT RUBBERIZED JOINT SEALER SHALL BE PLACED ALONG THE VERTICAL EDGE WHERE PROPOSED INTERMEDIATE AND SURFACE PAVEMENT WILL ABUT EXISTING AND PAID FOR AT UNIT PRICE.

EROSION CONTROL

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL LATEST EDITION UNLESS OTHERWISE NOTED OR INCLUDED IN THESE PLANS.
- THE ANTICIPATED EROSION CONTROL DEVICES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROPOSE ACTUAL TYPE AND LOCATION OF DEVICES FOR APPROVAL BY THE RESIDENT. ADDITIONAL MEASURES MAY BE PROPOSED BY THE CONTRACTOR DUE TO SITE OR WEATHER CONDITIONS. THE RESIDENT MAY DIRECT THE CONTRACTOR TO IMPLEMENT ADDITIONAL MEASURES. ANY ADDITIONAL MEASURES APPROVED BY THE RESIDENT WILL BE MEASURED FOR PAYMENT.
- FOUR (4) INCHES OF LOAM HAS BEEN ESTIMATED FOR ALL DISTURBED SLOPE AREAS UNLESS OTHERWISE SPECIFIED ON THE PLANS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS DESIGNATED BY THE RESIDENT.
- ALL SLOPES SHALL BE SEEDED WITH SEEDING METHOD NUMBER 2.
- MULCH SHALL BE APPLIED IN AREAS SEEDED EXCEPT WHERE EROSION CONTROL BLANKET IS SPECIFIED.

DRAINAGE

- ANY EXISTING CULVERTS THAT REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER ITEM 631.32 - CULVERT CLEANER (INCLUDING OPERATOR).
- ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO THE 604 ITEMS.
- ALL TIES TO EXISTING BASINS SHALL BE CORED AND RUBBER BOOTED.

Scale:			
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No.	Revision	By	Date

Designed by:					
TYLIN INTERNATIONAL					
CONSULTANT PROJECT MANAGER: Kevin Ducharme					
	By	Date		By	Date
Designed			Checked		
Drawn			In Charge of		

T.Y. Lin International
12 Northbrook Drive
Building A, Suite One
Falmouth, Maine 04105
TEL: (207) 781-4721
FAX: (207) 781-4753



THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV

ROUTE 109 IMPROVEMENTS

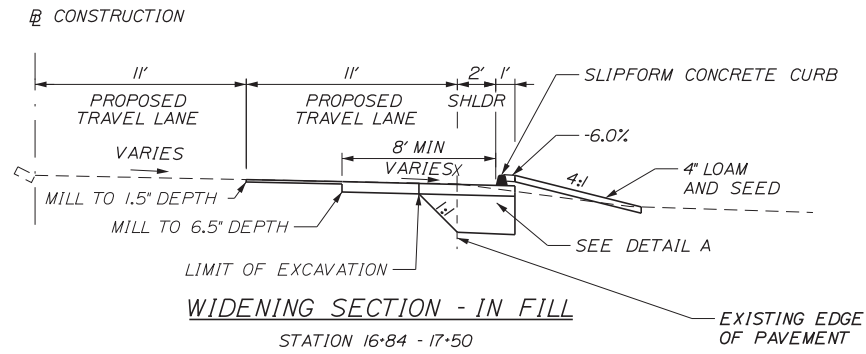
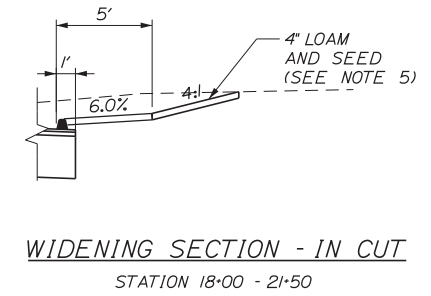
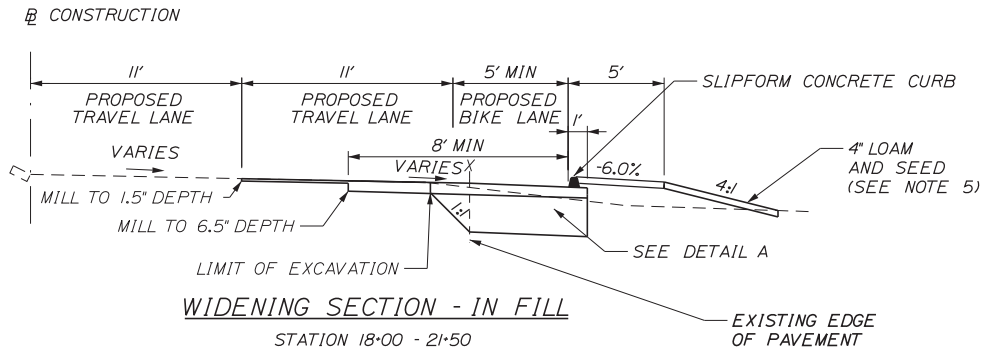
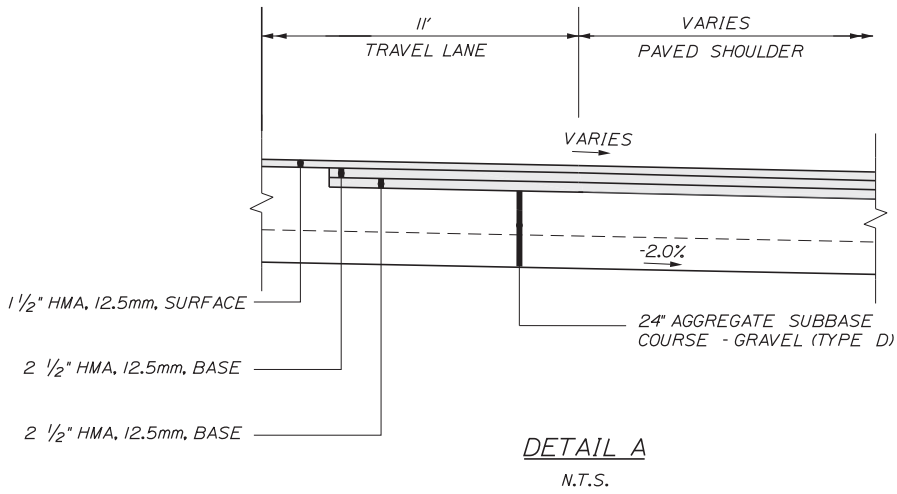
ESTIMATED QUANTITIES
& GENERAL NOTES

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CONTRACT:2019.07

Date: 3/8/2019

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NOTES:

1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. CROWNS FOR BOTH NORMAL AND SUPERELEVATED SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
3. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVEL LANE CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
4. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
5. UNDER THE MAINE TURNPIKE BRIDGE, ITEM 619.1301 BARK MULCH SHALL BE USED IN PLACE OF LOAM AND SEED.

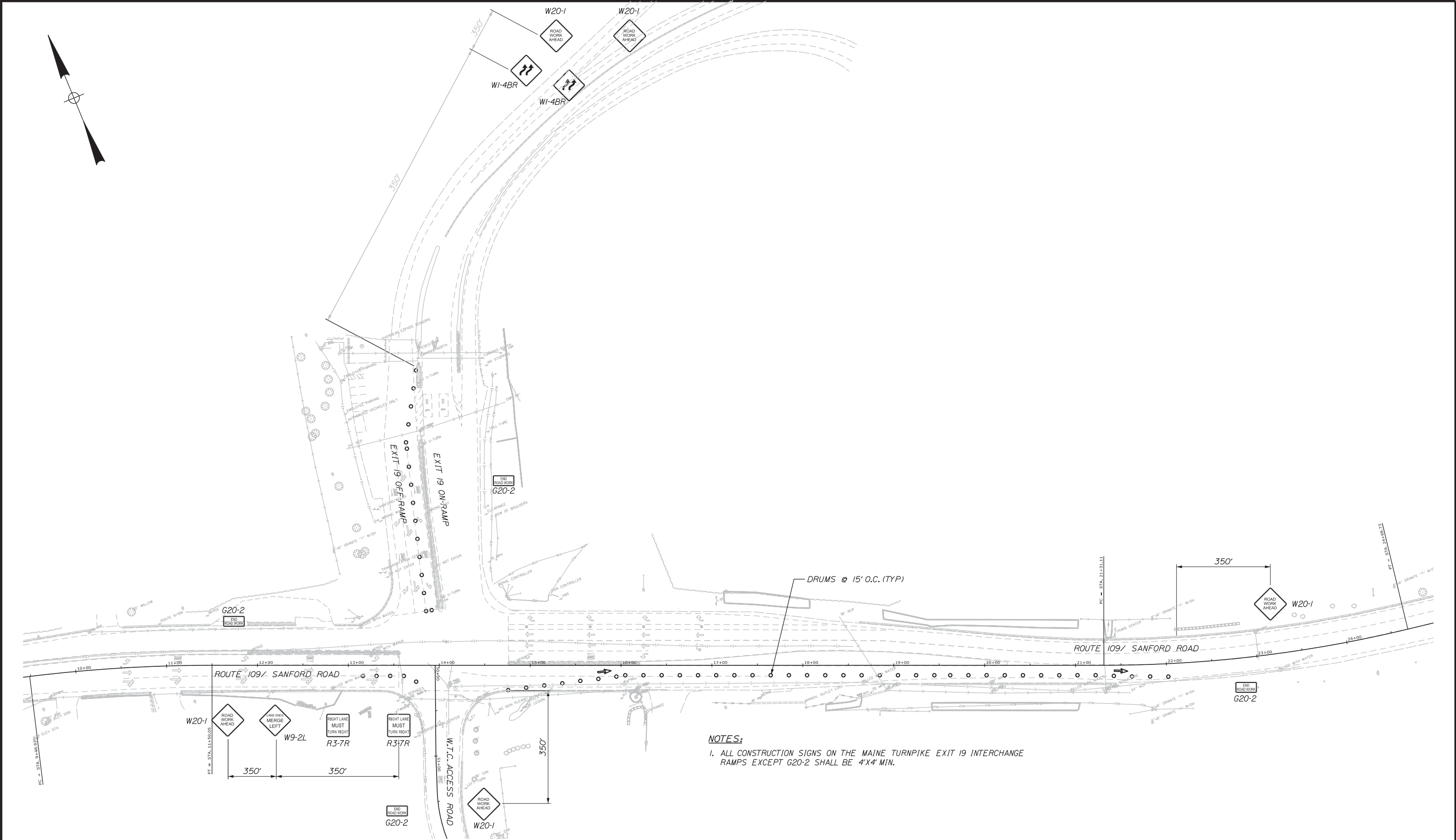
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Drawn			In Charge of			

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	THE GOLD STAR MEMORIAL HIGHWAY	
	MTA PROJECT MANAGER: Ralph C. Norwood, IV	

ROUTE 109 IMPROVEMENTS	
TYPICAL SECTIONS	
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CONTRACT: 2019.07	3 OF 14

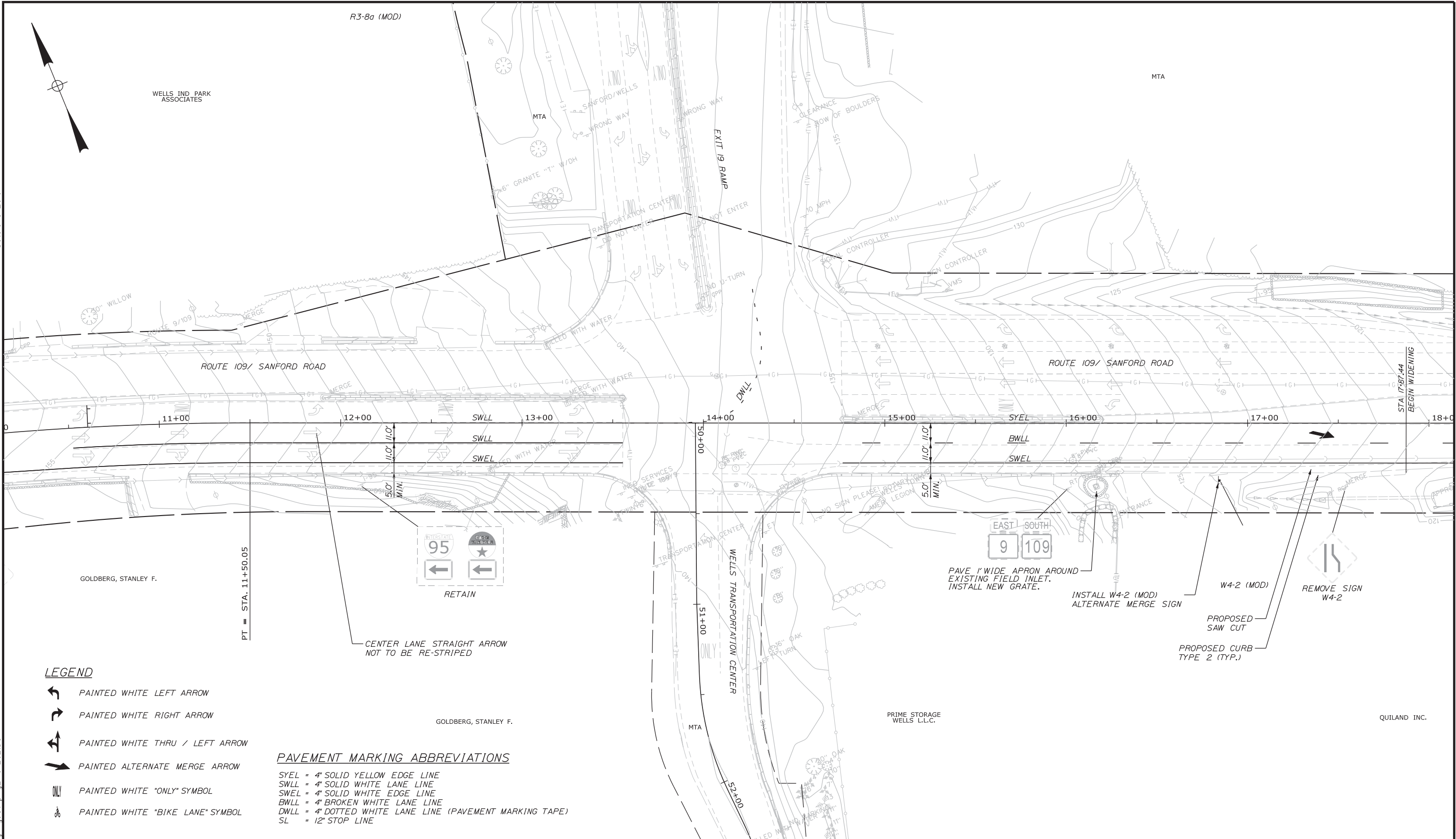


NOTES:
1. ALL CONSTRUCTION SIGNS ON THE MAINE TURNPIKE EXIT 19 INTERCHANGE RAMPs EXCEPT G20-2 SHALL BE 4'X4' MIN.

Scale:				Designed by:				TYLIN INTERNATIONAL T.Y. Lin International 12 Northbrook Drive Building A, Suite One Falmouth, Maine 04105 TEL: (207) 781-4721 FAX: (207) 781-4753				 THE GOLD STAR MEMORIAL HIGHWAY		ROUTE 109 IMPROVEMENTS MAINTENANCE OF TRAFFIC PLAN ROUTE 109 WIDENING																																			
<table border="1"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				No.	Revision	By	Date																									CONSULTANT PROJECT MANAGER: Kevin Ducharme <table border="1"> <thead> <tr> <th> </th> <th>By</th> <th>Date</th> <th> </th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Designed</td> <td>MJD</td> <td>10/2018</td> <td>Checked</td> <td>KSD</td> <td>10/2018</td> </tr> <tr> <td>Drawn</td> <td>MJD</td> <td>10/2018</td> <td>In Charge of</td> <td>PEM</td> <td>10/2018</td> </tr> </tbody> </table>					By	Date		By	Date	Designed	MJD	10/2018	Checked	KSD	10/2018	Drawn	MJD
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Drawn	MJD	10/2018	In Charge of	PEM	10/2018																																												
								SHEET NUMBER:				4 OF 14																																					

Date: 3/8/2019

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LEGEND

- PAINTED WHITE LEFT ARROW
- PAINTED WHITE RIGHT ARROW
- PAINTED WHITE THRU / LEFT ARROW
- PAINTED ALTERNATE MERGE ARROW
- PAINTED WHITE "ONLY" SYMBOL
- PAINTED WHITE "BIKE LANE" SYMBOL

PAVEMENT MARKING ABBREVIATIONS

- SYEL = 4" SOLID YELLOW EDGE LINE
- SWLL = 4" SOLID WHITE LANE LINE
- SWEL = 4" SOLID WHITE EDGE LINE
- BWLL = 4" BROKEN WHITE LANE LINE
- DWLL = 4" DOTTED WHITE LANE LINE (PAVEMENT MARKING TAPE)
- SL = 12" STOP LINE

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No.		Revision		By		Date		PLANS	
								SHEET NUMBER:	
								CONTRACT: 2019.07	
								5 OF 14	

CONSULTANT PROJECT MANAGER: Kevin Ducharme

By	Date	By	Date
TAE	6/2018	TAE	6/2018
PEM	6/2018	In Charge of	6/2018

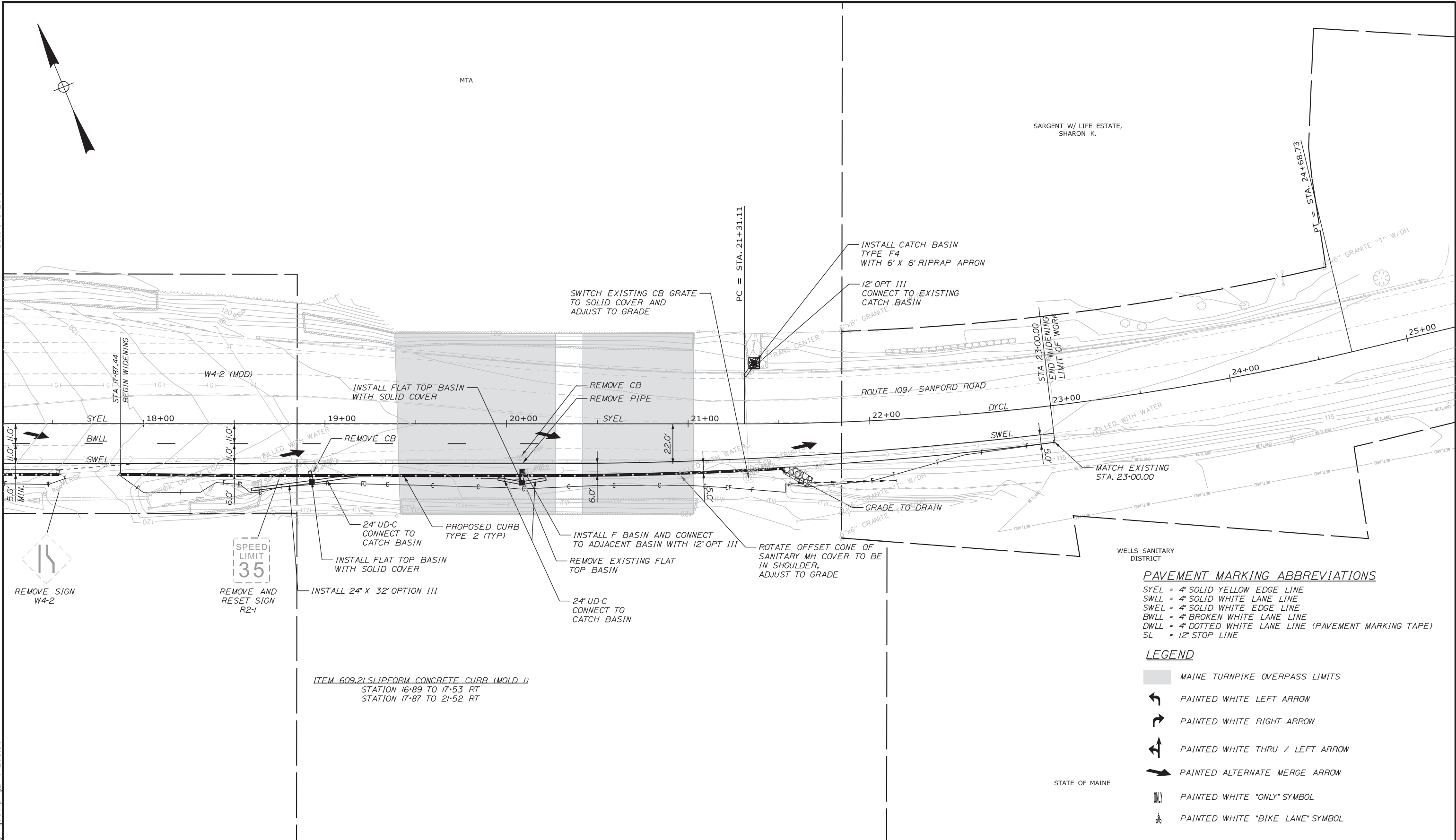
12 Northbrook Drive
Building A, Suite One
Falmouth, Maine 04105
TEL: (207) 781-4721
FAX: (207) 781-4753

MAINE TURNPIKE

MTA PROJECT MANAGER: Ralph C. Norwood, IV

Date: 3/8/2019

Filename: ...\\010_HDPlan&Signing&Striping_Plan_03.DGN



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MAINE
TURNPIKE

★

THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV

ROUTE 109 IMPROVEMENTS

PLANS

SHEET NUMBER:

CONTRACT: 2019.07

6 OF 14

Date:3/8/2019

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IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET	NOTES
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND BORDER			
W4-2 (MOD)	36"	36"		TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS" - 2009			1	YELLOW	BLACK		9.00 (9)	

- NOTES:**
1. ALL PAVEMENT STRIPING & SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", U.S.D.O.T., F.H.W.A., LATEST EDITION. NOTE THERE IS A 2009 EDITION OF MUTCD.
 2. THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH THE SPECIFICATIONS AND MUTCD. PAYMENT SHALL BE MADE UNDER ITEM 627.77 - REMOVING PAVEMENT MARKINGS.

ABBREVIATIONS FOR ALL PLANS:
BWLL = BROKEN WHITE LANE LINE
SWEL = SOLID WHITE EDGE LINE
SYEL = SOLID YELLOW EDGE LINE
DYCL = DOUBLE YELLOW CENTER LINE
TBWLL = TEMPORARY BROKEN WHITE LANE LINE
TSWEL = TEMPORARY SOLID WHITE EDGE LINE
TSYEL = TEMPORARY SOLID YELLOW EDGE LINE

Scale:

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Designed by:

TYLIN

INTERNATIONAL

CONSULTANT PROJECT MANAGER: Kevin Ducharme

	By	Date		By	Date
Designed			Checked		
Drawn			In Charge of		

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MAINE

TURNPIKE

★

THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV

ROUTE 109 IMPROVEMENTS

SIGN DETAILS / SIGN SUMMARY

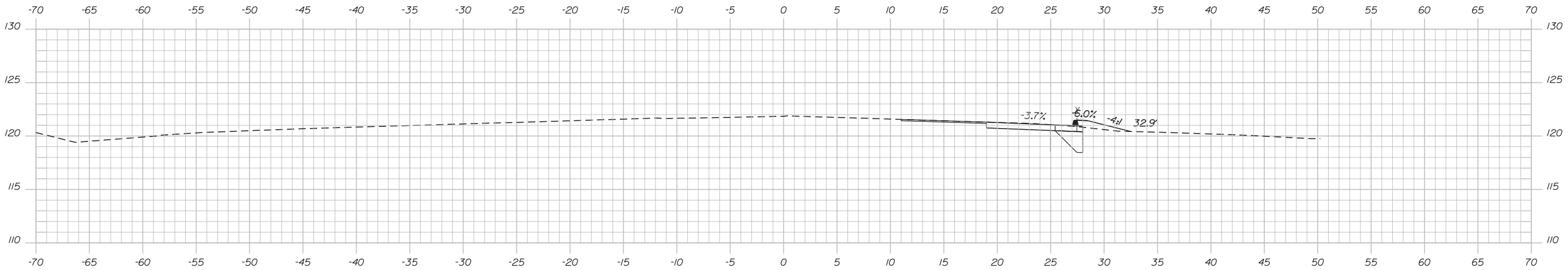
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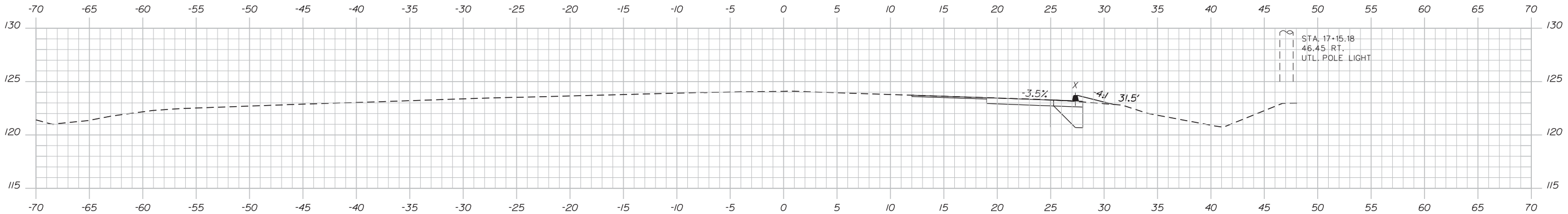
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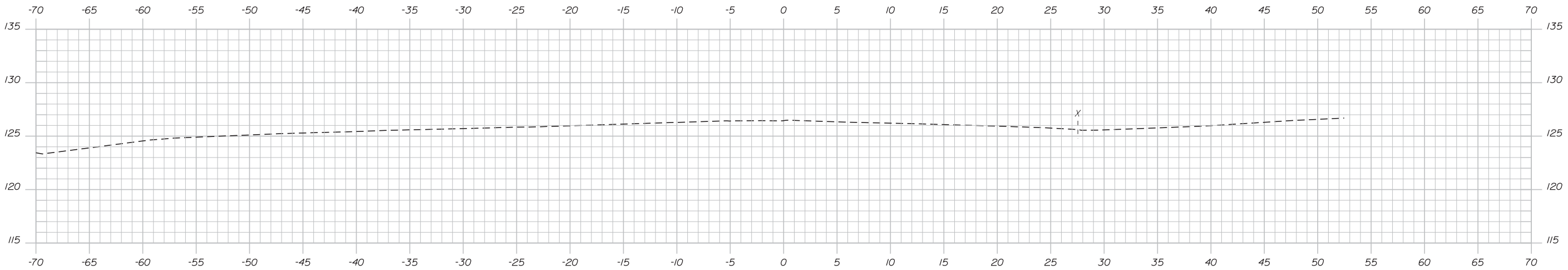
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17+50.00



17+00.00

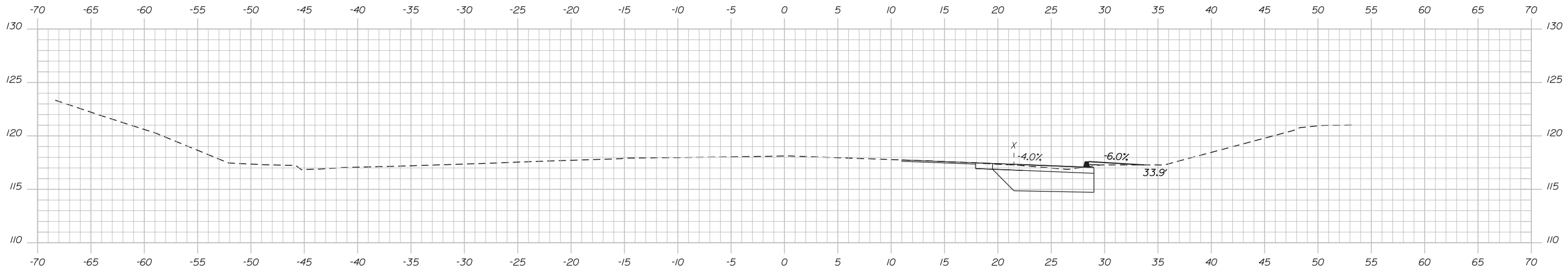


16+50.00

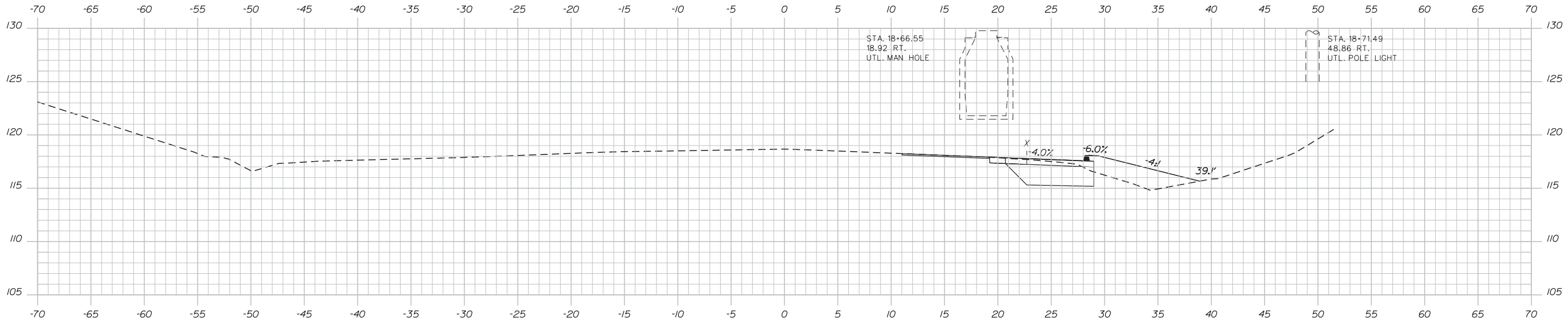
Scale: 1" = 5'				Designed by: TY·LIN INTERNATIONAL				T.Y. Lin International 12 Northbrook Drive Building A, Suite One Falmouth, Maine 04105 TEL: (207) 781-4721 FAX: (207) 781-4753				 THE GOLD STAR MEMORIAL HIGHWAY				ROUTE 109 IMPROVEMENTS CROSS SECTIONS			
No.	Revision	By	Date	CONSULTANT PROJECT MANAGER: Kevin Ducharme				MTA PROJECT MANAGER: Ralph C. Norwood, IV				CONTRACT:2019.07				SHEET NUMBER: 8 OF 14			
				Designed	By	Date	Checked	By	Date										
				Drawn			In Charge of												

Date:3/8/2019

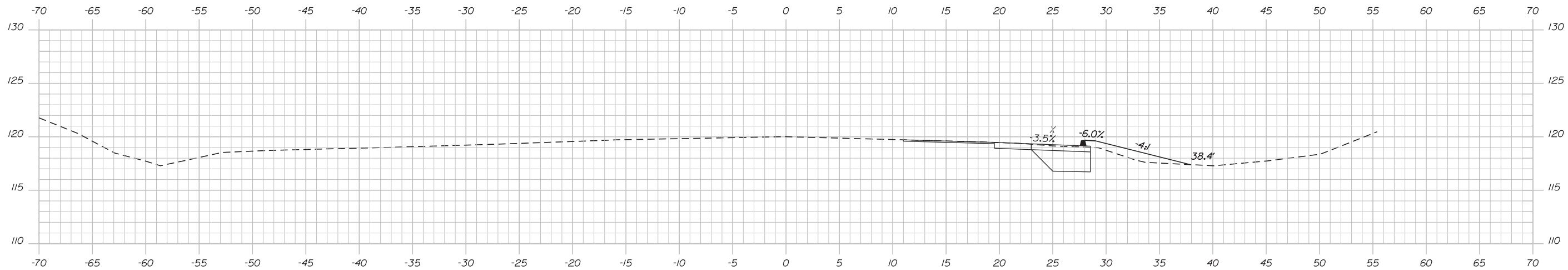
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18+75.00



18+50.00

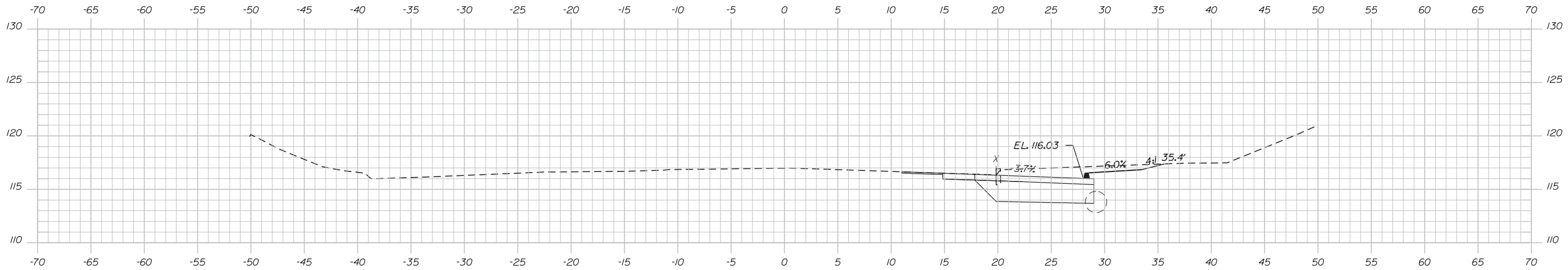


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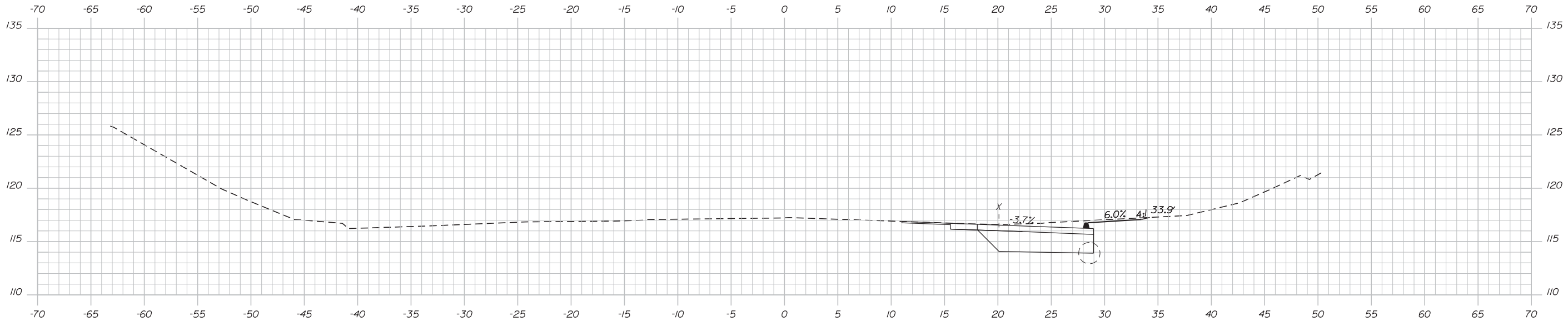
Scale: 1" = 5'				Designed by: TY·LIN INTERNATIONAL				T.Y. Lin International 12 Northbrook Drive Building A, Suite One Falmouth, Maine 04105 TEL: (207) 781-4721 FAX: (207) 781-4753				 THE GOLD STAR MEMORIAL HIGHWAY				ROUTE 109 IMPROVEMENTS			
No.	Revision			By	Date			CONSULTANT PROJECT MANAGER: Kevin Ducharme								SHEET NUMBER: 9 OF 14			
									By	Date				By	Date				
								Designed					Checked						
								Drawn					In Charge of						
								MTA PROJECT MANAGER: Ralph C. Norwood, IV				CONTRACT:2019.07							

Date:3/8/2019

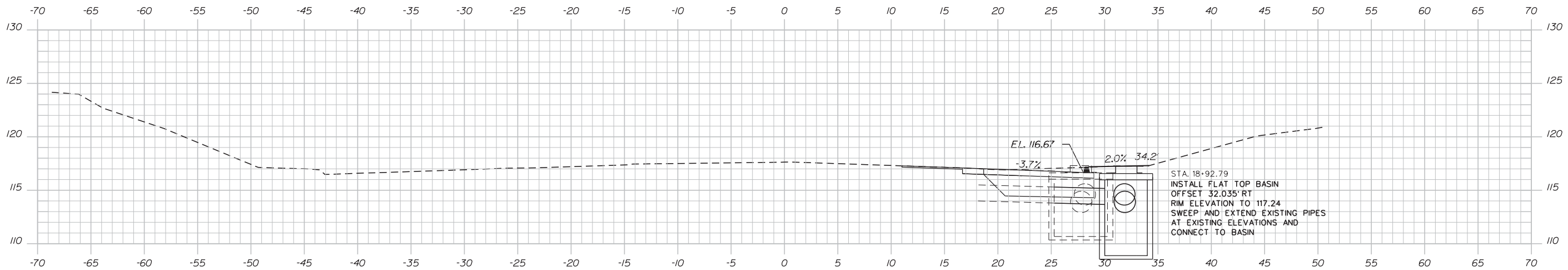
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19+50.00



19+25.00

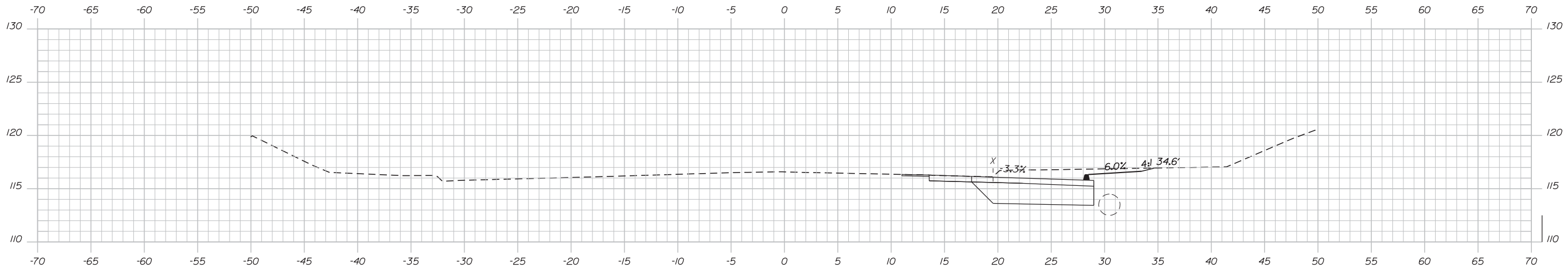


19+00.00

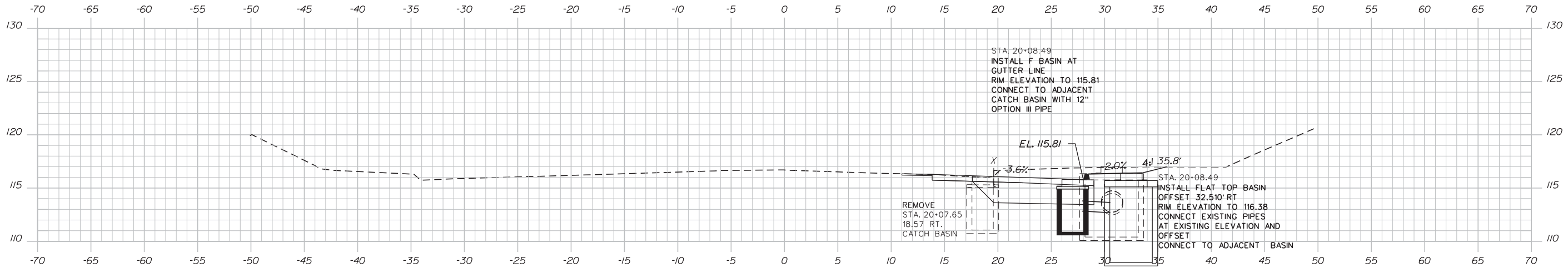
Scale: 1" = 5'				Designed by: TY·LIN INTERNATIONAL				T.Y. Lin International 12 Northbrook Drive Building A, Suite One Falmouth, Maine 04105 TEL: (207) 781-4721 FAX: (207) 781-4753				 THE GOLD STAR MEMORIAL HIGHWAY				ROUTE 109 IMPROVEMENTS				
No.	Revision		By	Date	CONSULTANT PROJECT MANAGER: Kevin Ducharme				MTA PROJECT MANAGER: Ralph C. Norwood, IV				CONTRACT:2019.07				SHEET NUMBER: 10 OF 14			
					Designed	By	Date	Checked	By	Date										
					Drawn			In Charge of												

Date:3/8/2019

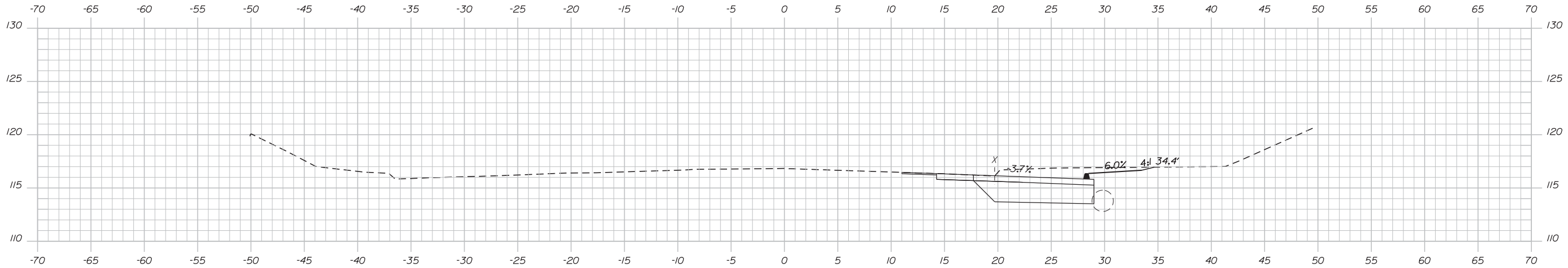
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20+25.00



20+00.00

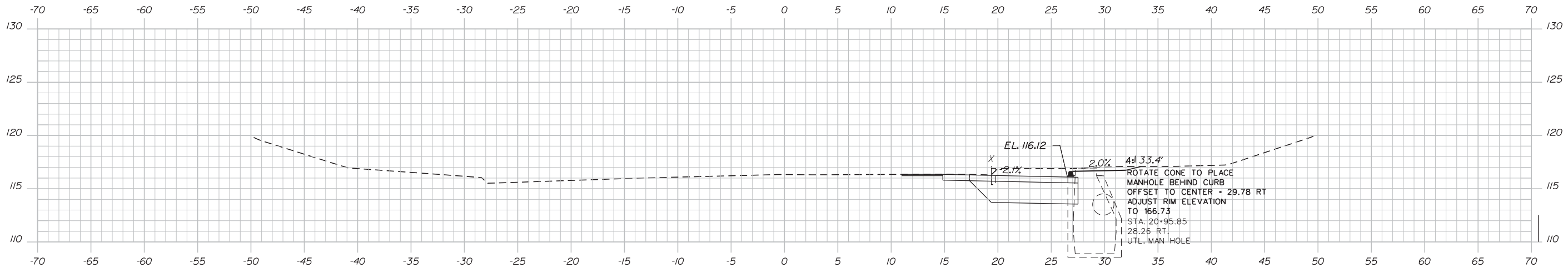


19+75.00

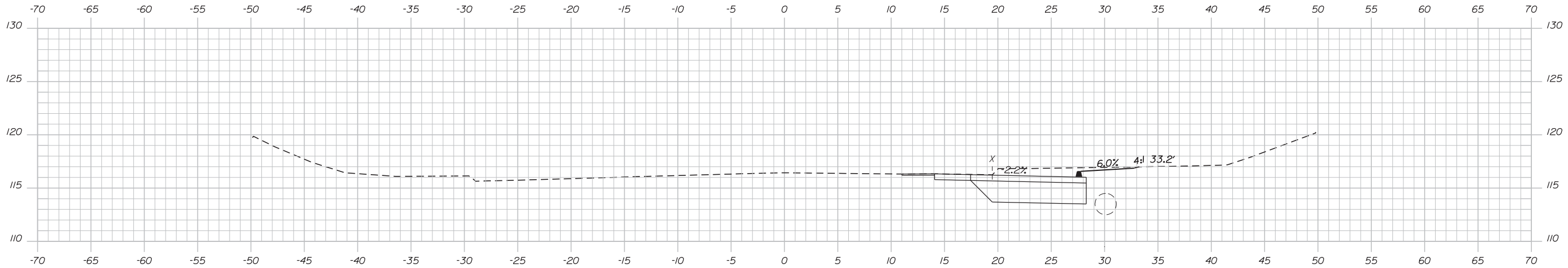
Scale: 1" = 5'				Designed by: TY·LIN INTERNATIONAL				T.Y. Lin International 12 Northbrook Drive Building A, Suite One Falmouth, Maine 04105 TEL: (207) 781-4721 FAX: (207) 781-4753				 THE GOLD STAR MEMORIAL HIGHWAY				ROUTE 109 IMPROVEMENTS					
No.	Revision			By	Date			CONSULTANT PROJECT MANAGER: Kevin Ducharme								SHEET NUMBER:					
									By	Date				By	Date			CONTRACT:2019.07			
								Designed					Checked					11 OF 14			
								Drawn					In Charge of					Sta. 19+75.00 to Sta. 20+25.00			

Date:3/8/2019

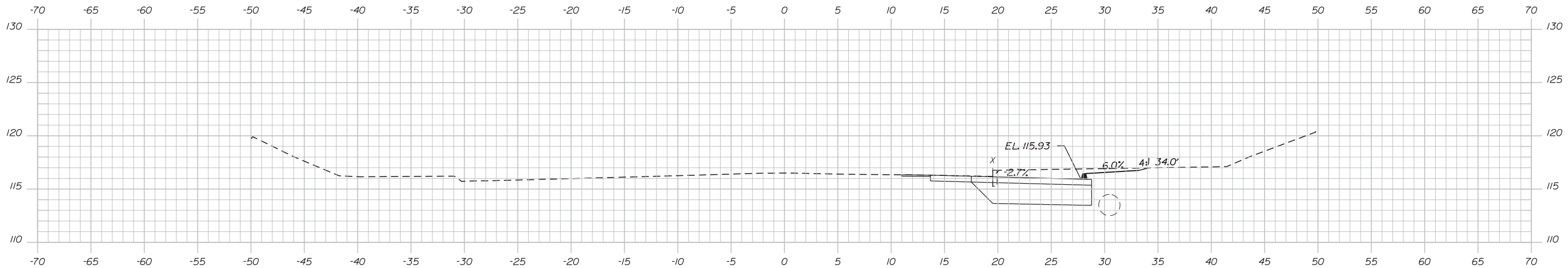
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21+00.00



20+75.00

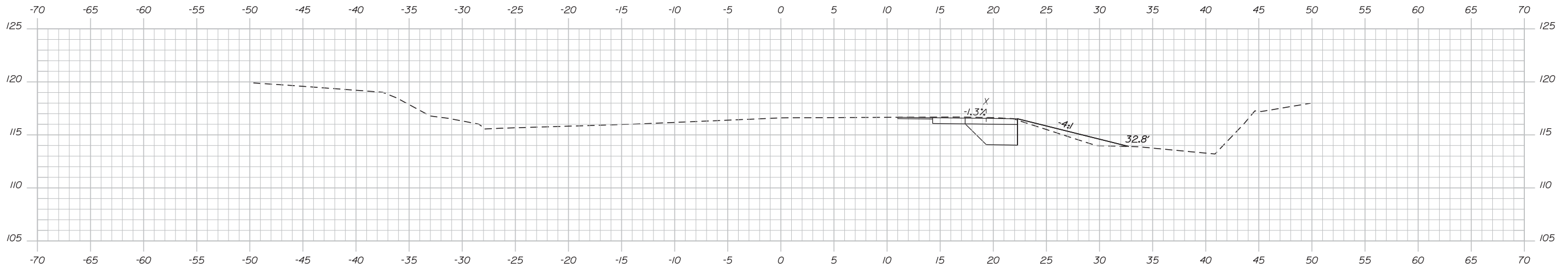


20+50.00

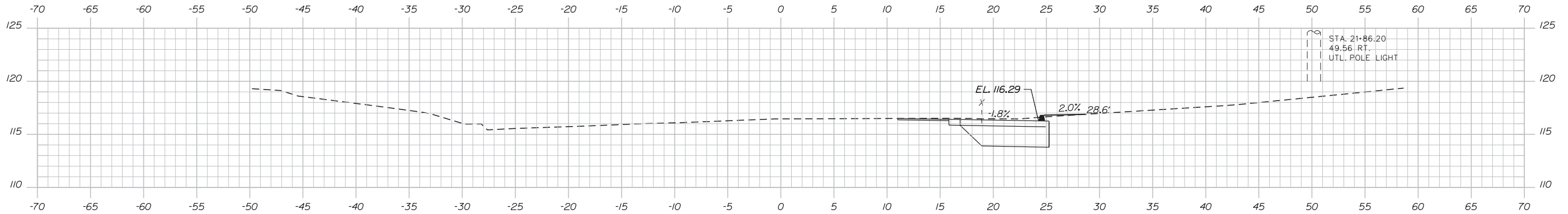
Scale: 1" = 5'				Designed by: TY·LIN INTERNATIONAL				T.Y. Lin International 12 Northbrook Drive Building A, Suite One Falmouth, Maine 04105 TEL: (207) 781-4721 FAX: (207) 781-4753				 THE GOLD STAR MEMORIAL HIGHWAY				ROUTE 109 IMPROVEMENTS CROSS SECTIONS			
No.	Revision			By	Date			CONSULTANT PROJECT MANAGER: Kevin Ducharme								SHEET NUMBER:			

Date: 3/8/2019

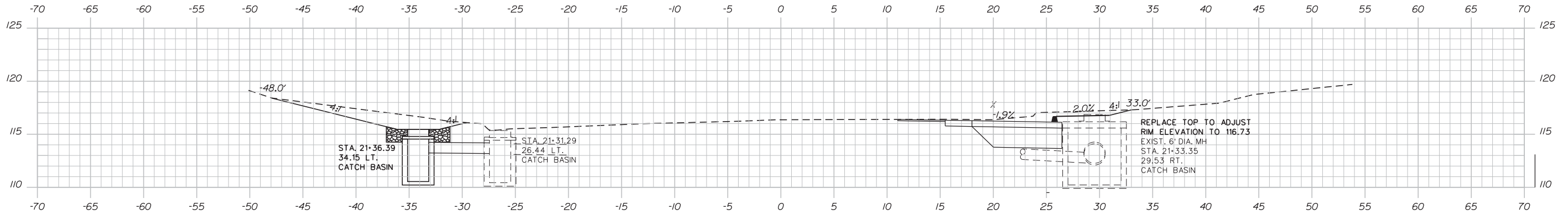
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22+00.00



21+50.00



21+25.00

Scale:				Designed by:			
1" = 5'				TYLIN INTERNATIONAL			
No.	Revision	By	Date	CONSULTANT PROJECT MANAGER: Kevin Ducharme			
				Designed	By	Date	Checked
				Drawn			In Charge of

T.Y. Lin International
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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV

ROUTE 109 IMPROVEMENTS

CROSS SECTIONS

SHEET NUMBER:

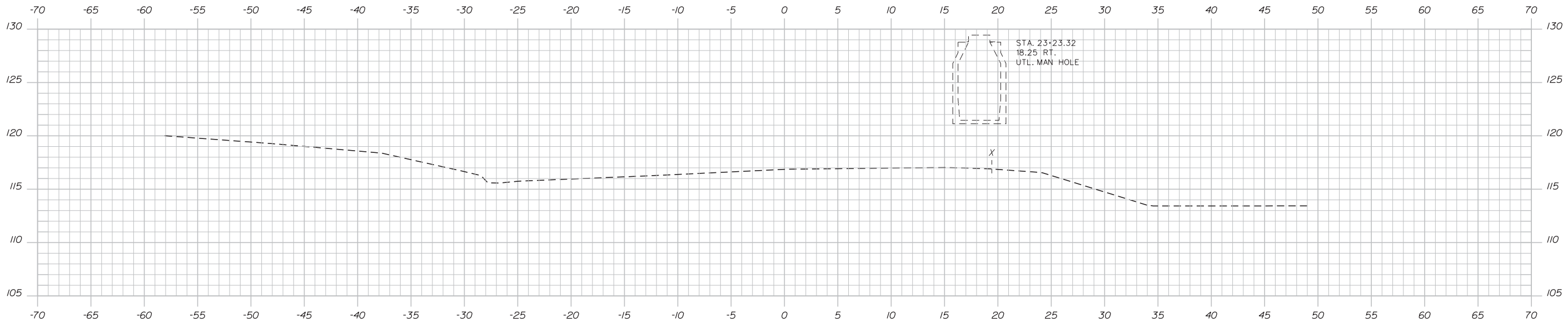
CONTRACT: 2019.07

13 OF 14

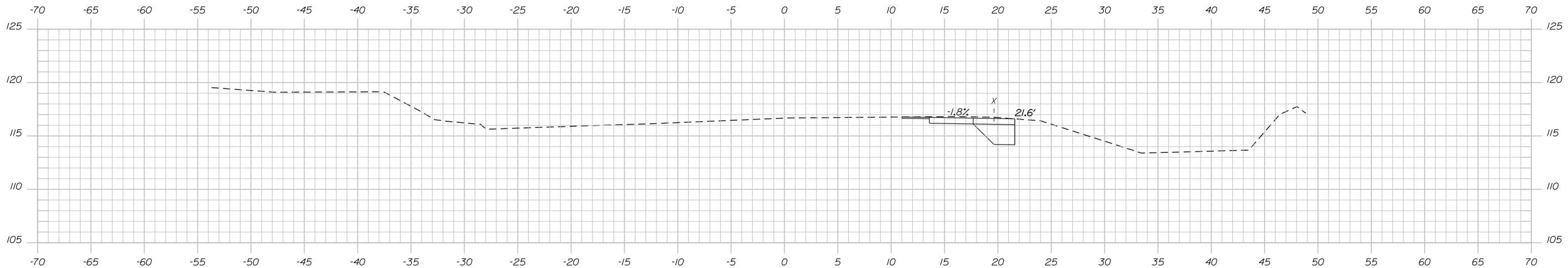
Sta. 21+25.00 to Sta. 22+00.00

Date: 3/8/2019

Filename: ... \HIGHWAY\MS\TA\XXX_XSections.dgn



23+00.00



22+50.00

Scale: 1" = 5'				Designed by: TYLIN INTERNATIONAL				T.Y. Lin International 12 Northbrook Drive Building A, Suite One Falmouth, Maine 04105 TEL: (207) 781-4721 FAX: (207) 781-4753				 THE GOLD STAR MEMORIAL HIGHWAY		ROUTE 109 IMPROVEMENTS			
														CROSS SECTIONS			
														SHEET NUMBER:			
														CONTRACT: 2019.07			
No.	Revision	By	Date	CONSULTANT PROJECT MANAGER: Kevin Ducharme								MTA PROJECT MANAGER: Ralph C. Norwood, IV		14 OF 14			
				Designed	By	Date	Checked	By	Date					Sta. 22+50.00 to Sta. 23+00.00			
				Drawn			In Charge of										