



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
16 STATE HOUSE STATION  
AUGUSTA, MAINE 04333-0016

Janet T. Mills  
GOVERNOR

Bruce A. Van Note  
COMMISSIONER

March 15, 2019  
Subject: Pavement Milling, Ultra-Thin  
Bonded Wearing Course Overlay with  
Drainage & Safety Improvements  
State WIN: 023927.00  
Location: **North Berwick & Wells**  
**Amendment No. 2**

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

**REMOVE** page 14 "NOTICE TO CONTRACTORS", 1 page, dated February 20, and **REPLACE** with the attached, revised "NOTICE TO CONTRACTORS", 1 page, dated March 13, 2019.

**REMOVE** pages 17 - 19, Proposal Schedule of Items, 3 pages, dated 2/12/2019, and **REPLACE** with the attached, revised Proposal Schedule of Items, 7 pages, dated 3/13/2019.

**REMOVE** pages 20 - 27, CONTRACT AGREEMENT, OFFER & AWARD, 2 copies, 4 pages each, and **REPLACE** with the attached, revised CONTRACT AGREEMENT, OFFER & AWARD, 2 copies, 4 pages each.

**REMOVE** pages 93 - 94, SPECIAL PROVISION - SECTION 403 - HOT MIX ASPHALT, 2 pages, dated February 1, 2019 and **REPLACE** with the attached, revised SPECIAL PROVISION - SECTION 403 - HOT MIX ASPHALT, 2 pages, dated March 13, 2019.

**ADD** the attached MAINE TURNPIKE AUTHORITY Plan Set, 14 pages, dated 3/6/2019.

Consider these changes and information prior to submitting your bid on **March 20, 2019**.

Sincerely,

George M. A. Macdougall P.E.  
Contracts & Specifications Engineer

**STATE OF MAINE DEPARTMENT OF TRANSPORTATION  
NOTICE TO CONTRACTORS**

Sealed Bids addressed to the Maine Department of Transportation, Augusta, Maine 04333 and endorsed on the wrapper "Bids for Pavement Milling, Ultra-Thin Bonded Wearing Course Overlay, with Drainage and Safety Improvements in the Towns of North Berwick and Wells" will be received from contractors at the Reception Desk, MaineDOT Building, Capitol Street, Augusta, Maine, until 11:00 o'clock A.M. (prevailing time) on March 20, 2019 and at that time and place, publicly opened and read. Bids will be accepted from all bidders. The lowest responsive bidder must have completed, or successfully complete, a Highway Construction, Paving, or project specific prequalification to be considered for the award of this contract. **We now accept electronic bids for bid packages posted on the bidx.com website. Electronic bids do not have to be accompanied by paper bids. Please note: The Department will accept a facsimile of the bid bond; however, the original bid bond must then be received at the MDOT Contract Section within 72 hours of the bid opening.** Until further notice, dual bids (one paper, one electronic) will be accepted, with the paper copy taking precedence.

Description: Maine Federal Aid Project No. 2392700, WIN 23927.00.

Location: In York County, project is located on Route 9. Segment 1 begins in North Berwick 0.01 mile west of Portland Street and extends easterly 6.03 miles to 0.07 miles west of Sanford Road in Wells. Segment 2 is located in Wells beginning 0.16 mile west of MTA Exit and extends easterly 0.71 mile to Chapel Road.

Outline of Work: Pavement Milling, Ultra-Thin Bonded Wearing Course Overlay, with Drainage and Safety Improvements in the Towns of North Berwick and Wells and other incidental work.

**The basis of award will be Section 1 Only. Sections 1 and 2 must be bid.**

For general information regarding Bidding and Contracting procedures, contact George Macdougall at (207) 624-3410. Our webpage at <http://www.maine.gov/mdot/contractors/> contains a copy of the Schedule of Items, Plan Holders List, written portions of bid amendments, drawings, bid results and an electronic form for RFI submittal. For Project-specific information fax all questions to **LaRay Hamilton** at (207) 624-3431, use electronic RFI form or email questions to [RFI-Contracts.MDOT@maine.gov](mailto:RFI-Contracts.MDOT@maine.gov), project name and identification number should be in the subject line. Questions received after 12:00 noon of Monday (or if that Monday is a state holiday, Friday) prior to bid date will not be answered. Bidders shall not contact any other Departmental staff for clarification of Contract provisions, and the Department will not be responsible for any interpretations so obtained. TTY users call Maine Relay 711.

Plan, specifications and bid forms may be seen at the MaineDOT Building in Augusta, Maine, and at the Department of Transportation's Regional Office in Scarborough. They may be purchased from the Department between the hours of 8:00 a.m. to 4:30 p.m. by cash, credit card (Visa/Mastercard) or check payable to Treasurer, State of Maine sent to Maine Department of Transportation, Attn.: Mailroom, 16 State House Station, Augusta, Maine 04333-0016. They also may be purchased by telephone at (207) 624-3536 between the hours of 8:00 a.m. to 4:30 p.m. Full size plans **\$14.00 (\$17.50 by mail)**. Half size plans **\$7.00 (\$9.25 by mail)**, Bid Book \$10 (\$13 by mail), Single Sheets \$2, payment in advance, all non-refundable.

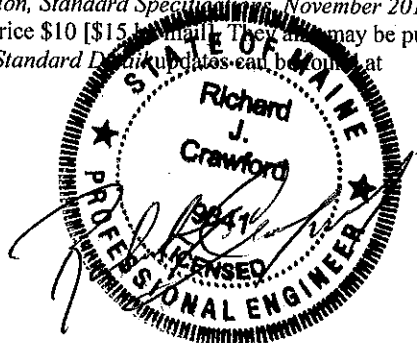
Each Bid must be made upon blank forms provided by the Department and must be accompanied by a bid bond at 5% of the bid amount or an official bank check, cashier's check, certified check, certificate of deposit, or United States postal money order in the amount of **\$40,000** payable to Treasurer, State of Maine as a Bid guarantee. A Contract Performance Surety Bond and a Contract Payment Surety Bond, each in the amount of 100 percent of the Contract price, will be required of the successful Bidder.

This Contract is subject to all applicable Federal Laws. This contract is subject to compliance with the Disadvantaged Business Enterprise program requirements as set forth by the Maine Department of Transportation.

All work shall be governed by *State of Maine, Department of Transportation, Standard Specifications, November 2014 Edition*, price \$10 [\$15 by mail], and *Standard Details, November 2014 Edition*, price \$10 [\$15 by mail]. They may be purchased by telephone at (207) 624-3536 between the hours of 8:00 a.m. to 4:30 p.m. *Standard Details* updates can be found at <http://www.maine.gov/mdot/contractors/publications/>.

The right is hereby reserved to the MaineDOT to reject any or all bids.

Augusta, Maine  
March 13, 2019



RICHARD J. CRAWFORD P. E.  
DEPUTY CHIEF ENGINEER

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023927.00

Project(s): 023927.00

SECTION: 1 HIGHWAY ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0020	202.2023 REMOVING PAVEMENT SURFACE - MEDIUM CUT DRUM	107,360.000 SY	_____	_____	_____	_____
0070	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	5.000 T	_____	_____	_____	_____
0080	403.211 HOT MIX ASPHALT (SHIMMING)	200.000 T	_____	_____	_____	_____
0090	403.213 HOT MIX ASPHALT 12.5 MM BASE	40.000 T	_____	_____	_____	_____
0110	409.15 BITUMINOUS TACK COAT - APPLIED	100.000 G	_____	_____	_____	_____
0130	410.151 EMULSIFIED ASPHALT SEALCOAT, APPLIED	70,240.000 SY	_____	_____	_____	_____
0140	410.161 COVER COAT MATERIAL, SAND	35,120.000 LB	_____	_____	_____	_____
0150	424.22 ASPHALT RUBBER CRACK SEALER TYPE 2, APPLIED	20,000.000 LB	_____	_____	_____	_____
0170	424.37 CRACK REPAIR	910.000 LF	_____	_____	_____	_____
0180	462.301 POLYMER MODIFIED ULTRATHIN BONDED WEARING COURSE	107,360.000 SY	_____	_____	_____	_____
0250	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	6.000 EA	_____	_____	_____	_____

Maine Department of Transportation

Proposal Schedule of Items

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SECTION: 1 HIGHWAY ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0260	604.182 CLEAN EXISTING CATCH BASIN AND MANHOLE	10.000 EA	_____	 _____	_____	 _____
0290	606.367 REPLACE UNUSABLE EXISTING GUARDRAIL POSTS	1.000 EA	_____	 _____	_____	 _____
0300	606.81 TANGENT GUARDRAIL TERMINAL - ENERGY ABSORBING	1.000 EA	_____	 _____	_____	 _____
0310	608.26 CURB RAMP DETECTABLE WARNING FIELD	40.000 SF	_____	 _____	_____	 _____
0320	608.461 RECONSTRUCT PEDESTRIAN RAMP	1.000 EA	_____	 _____	_____	 _____
0410	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	107,130.000 LF	_____	 _____	_____	 _____
0430	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	1,020.000 SF	_____	 _____	_____	 _____
0440	627.752 TEMPORARY WHITE OR YELLOW PAVEMENT & CURB MARKING	340.000 SF	_____	 _____	_____	 _____
0460	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	117,830.000 LF	_____	 _____	_____	 _____
0480	629.05 HAND LABOR, STRAIGHT TIME	15.000 HR	_____	 _____	_____	 _____
0500	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	15.000 HR	_____	 _____	_____	 _____

Maine Department of Transportation

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Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0520	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	15.000 HR	_____	 _____	_____	 _____
0550	639.19 FIELD OFFICE TYPE B	1.000 EA	_____	 _____	_____	 _____
0560	643.86 TRAFFIC SIGNAL LOOP DETECTORS	12.000 EA	_____	 _____	_____	 _____
0600	652.33 DRUM	20.000 EA	_____	 _____	_____	 _____
0620	652.34 CONE	180.000 EA	_____	 _____	_____	 _____
0640	652.35 CONSTRUCTION SIGNS	1,730.000 SF	_____	 _____	_____	 _____
0660	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	49.000 CD	_____	 _____	_____	 _____
0680	652.38 FLAGGER	1,300.000 HR	_____	 _____	_____	 _____
0690	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	3.000 EA	_____	 _____	_____	 _____
0700	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM		 LUMP SUM	_____	 _____
0720	659.10 MOBILIZATION	LUMP SUM		 LUMP SUM	_____	 _____
<b>Section: 1</b>			<b>Total:</b>		_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023927.00

Project(s): 023927.00

SECTION: 2 MTA ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	202.202 REMOVING PAVEMENT SURFACE	520.000 SY	_____	 _____	_____	 _____
0030	203.20 COMMON EXCAVATION	450.000 CY	_____	 _____	_____	 _____
0040	203.25 GRANULAR BORROW	10.000 CY	_____	 _____	_____	 _____
0050	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	300.000 CY	_____	 _____	_____	 _____
0060	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	80.000 T	_____	 _____	_____	 _____
0100	403.2131 12.5 MM POLYMER MODIFIED HMA BASE	200.000 T	_____	 _____	_____	 _____
0120	409.15 BITUMINOUS TACK COAT - APPLIED	60.000 G	_____	 _____	_____	 _____
0160	424.22 ASPHALT RUBBER CRACK SEALER TYPE 2, APPLIED	115.000 LB	_____	 _____	_____	 _____
0190	603.159 12 INCH CULVERT PIPE OPTION III	14.000 LF	_____	 _____	_____	 _____
0200	603.179 18 INCH CULVERT PIPE OPTION III	8.000 LF	_____	 _____	_____	 _____
0210	603.199 24 INCH CULVERT PIPE OPTION III	32.000 LF	_____	 _____	_____	 _____
0220	604.092 CATCH BASIN TYPE B1-C	2.000 EA	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023927.00

Project(s): 023927.00

SECTION: 2 MTA ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0230	604.16 ALTERING CATCH BASIN TO MANHOLES	1.000 EA	_____	 _____	_____	 _____
0240	604.161 ALTERING CATCH BASIN	1.000 EA	_____	 _____	_____	 _____
0270	604.242 CATCH BASIN TYPE F3	2.000 EA	_____	 _____	_____	 _____
0280	605.15 24 INCH UNDERDRAIN TYPE C	65.000 LF	_____	 _____	_____	 _____
0330	609.21 CONCRETE SLIPFORM CURB (Mold 1)	430.000 LF	_____	 _____	_____	 _____
0340	610.08 PLAIN RIPRAP	5.000 CY	_____	 _____	_____	 _____
0350	613.319 EROSION CONTROL BLANKET	25.000 SY	_____	 _____	_____	 _____
0360	615.07 LOAM	20.000 CY	_____	 _____	_____	 _____
0370	618.13 SEEDING METHOD NUMBER 1	5.000 UN	_____	 _____	_____	 _____
0380	619.12 MULCH	5.000 UN	_____	 _____	_____	 _____
0390	619.13 BARK MULCH	5.000 CY	_____	 _____	_____	 _____
0400	620.58 EROSION CONTROL GEOTEXTILE	10.000 SY	_____	 _____	_____	 _____
0420	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	2,440.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023927.00

Project(s): 023927.00

SECTION: 2 MTA ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0450	627.77 REMOVING PAVEMENT MARKINGS	95.000 SF	_____	 _____	_____	 _____
0470	627.944 RETROREFLECTIVE THERMOPLASTIC PAVEMENT MARKING	92.000 LF	_____	 _____	_____	 _____
0490	629.05 HAND LABOR, STRAIGHT TIME	20.000 HR	_____	 _____	_____	 _____
0510	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
0530	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	20.000 HR	_____	 _____	_____	 _____
0540	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	4.000 HR	_____	 _____	_____	 _____
0570	645.1061 RELOCATE EXISTING SIGN ASSEMBLY AND POST	3.000 EA	_____	 _____	_____	 _____
0580	645.109 REMOVE AND SALVAGE HIGHWAY SIGNS	4.000 EA	_____	 _____	_____	 _____
0590	645.292 REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	50.000 SF	_____	 _____	_____	 _____
0610	652.33 DRUM	90.000 EA	_____	 _____	_____	 _____
0630	652.34 CONE	30.000 EA	_____	 _____	_____	 _____



Maine Department of Transportation

Proposal Schedule of Items

Proposal ID: 023927.00

Project(s): 023927.00

SECTION: 2 MTA ITEMS

Alt Set ID: Alt Mbr ID:

Contractor: \_\_\_\_\_

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0650	652.35 CONSTRUCTION SIGNS	275.000 SF	_____	_____	_____	_____
0670	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	10.000 CD	_____	_____	_____	_____
0710	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP	SUM	_____	_____
0730	659.10 MOBILIZATION	LUMP SUM	LUMP	SUM	_____	_____
<b>Section: 2</b>			<b>Total:</b>		_____	_____
			<b>Total Bid:</b>		_____	_____

## **CONTRACT AGREEMENT, OFFER & AWARD**

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

\_\_\_\_\_ with its principal place of business located at \_\_\_\_\_

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

### **A. The Work.**

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, **2392700 Pavement Milling Ultra-Thin Bonded Wearing Course Overlay with Drainage and Safety Improvements in the Towns of North Berwick and Wells, County of York, Maine.** The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

### **B. Time.**

The Contractor agrees to complete all Work, except warranty work, on or before **August 24, 2019.** Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the *State of Maine Department of Transportation Standard Specifications, November 2014 Edition* and related Special Provisions.

**C. Price.**

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is

**Section 1 \$** \_\_\_\_\_

**Section 2 \$** \_\_\_\_\_

Performance Bond and Payment Bond each being 100% of the amount awarded under this Contract (see award amount in Section G below).

**D. Contract.**

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, *Standard Specifications, November 2014 Edition, Standard Details November 2014 Edition* as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

**E. Certifications.**

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the *Standard Specifications November 2014 Edition* (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

**F. Offer.**

The undersigned, having carefully examined the site of work, the Plans, *Standard Specifications November 2014 Edition*, *Standard Details November 2014 Edition* as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **2392700 Pavement Milling Ultra-Thin Bonded Wearing Course Overlay with Drainage and Safety Improvements in the Towns of North Berwick and Wells, County of York**, State of Maine, on which bids will be received until the time specified in the “Notice to Contractors” do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached “Schedule of Items.”

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached “Schedule of Items” in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached “Schedule of Items,” which may be ordered by the Resident, and to accept as full compensation the amount determined upon a “Force Account” basis as provided in the *Standard Specifications, November 2014 Edition*, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier’s check, certificate of deposit or U. S. Postal Money Order in the amount given in the “Notice to Contractors”, payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the *Standard Specifications November 2014 Edition* and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor’s Disadvantaged Business Enterprise Utilization Plan with their bid.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

\_\_\_\_\_

Date

\_\_\_\_\_  
(Signature of Legally Authorized Representative  
of the Contractor)

\_\_\_\_\_

Witness

\_\_\_\_\_

(Name and Title Printed)

**G. Award.**

Your offer is hereby accepted for (see checked boxes):

Section 1

Section 2

**Contract Amount:** \_\_\_\_\_

This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

\_\_\_\_\_

Date

\_\_\_\_\_  
By: Bruce A. Van Note, Commissioner

\_\_\_\_\_

Witness

## CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

\_\_\_\_\_ with its principal place of business located at \_\_\_\_\_

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

### A. **The Work.**

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, **2392700 Pavement Milling Ultra-Thin Bonded Wearing Course Overlay with Drainage and Safety Improvements in the Towns of North Berwick and Wells, County of York, Maine.** The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

### B. **Time.**

The Contractor agrees to complete all Work, except warranty work, on or before **August 24, 2019.** Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the *State of Maine Department of Transportation Standard Specifications, November 2014 Edition* and related Special Provisions.

**C. Price.**

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is

**Section 1 \$** \_\_\_\_\_

**Section 2 \$** \_\_\_\_\_

Performance Bond and Payment Bond each being 100% of the amount awarded under this Contract (see award amount in Section G below).

**D. Contract.**

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, *Standard Specifications, November 2014 Edition, Standard Details November 2014 Edition* as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

**E. Certifications.**

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the *Standard Specifications November 2014 Edition* (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

**F. Offer.**

The undersigned, having carefully examined the site of work, the Plans, *Standard Specifications November 2014 Edition*, *Standard Details November 2014 Edition* as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **2392700 Pavement Milling Ultra-Thin Bonded Wearing Course Overlay with Drainage and Safety Improvements in the Towns of North Berwick and Wells, County of York**, State of Maine, on which bids will be received until the time specified in the “Notice to Contractors” do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached “Schedule of Items.”

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached “Schedule of Items” in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached “Schedule of Items,” which may be ordered by the Resident, and to accept as full compensation the amount determined upon a “Force Account” basis as provided in the *Standard Specifications, November 2014 Edition*, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier’s check, certificate of deposit or U. S. Postal Money Order in the amount given in the “Notice to Contractors”, payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work as stated in Section 107.2 of the *Standard Specifications November 2014 Edition* and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor’s Disadvantaged Business Enterprise Utilization Plan with their bid.



Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

\_\_\_\_\_

Date

\_\_\_\_\_  
(Signature of Legally Authorized Representative  
of the Contractor)

\_\_\_\_\_

Witness

\_\_\_\_\_  
(Name and Title Printed)

**G. Award.**

Your offer is hereby accepted for (see checked boxes):

Section 1

Section 2

**Contract Amount:** \_\_\_\_\_

This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

\_\_\_\_\_

Date

\_\_\_\_\_  
By: Bruce A. Van Note, Commissioner

\_\_\_\_\_

Witness

**SPECIAL PROVISION**  
**SECTION 403**  
**HOT MIX ASPHALT**

Desc. Of Course	Grad Design.	Item Number	Total Thick	No. Of Layers	Comp. Notes
<b><u>Ultra-Thin Bonded Wearing Course</u></b>					
<b><u>Mainline Travelway, Truck Lanes &amp; Shoulder (As Indicated in Typical)</u></b>					
Wearing	Type C	462.301	¾"	1	27,30
<b><u>Spot Shims/Delaminated Areas (As Indicated or As Directed by Resident)</u></b>					
Shim	9.5 mm	403.211	variable	1/more	1,2,4,10,11,14
<b><u>Shoulder Rehabilitation Areas (As Indicated in Typical)</u></b>					
Shim	9.5 mm	403.211	Variable	1/more	1,2,4,10,11,14
Base	12.5 mm	403.213	2 ½"	1/more	1,2,4,10,16
<b><u>Exit 19 Improvements – Widening Section</u></b>					
Wearing	12.5 mm	403.2081	1 ½"	1	4,8,30
Intermediate	12.5 mm	403.2131	2 ½"	1	4,8,30
Base	12.5 mm	403.2131	2 ½"	1	4,8,30
<b><u>Exit 19 Improvements – 1 ½" Mill &amp; 1 ½" HMA Overlay</u></b>					
Wearing	12.5 mm	403.2081	1 ½"	1	4,8,30
<b><u>Drives, Misc. (As Directed by Resident)</u></b>					
Wearing	9.5 mm	403.209	2"	1/more	1,2,3,11,14,18

**COMPLEMENTARY NOTES**

1. The required PGAB for this mixture will meet a **PG 64-28** grading.
2. The incentive/disincentive provisions for density shall not apply. Rollers shall meet the requirements of this special provision. The use of an oscillating steel roller shall be required to compact all mixtures pavements placed on **bridge decks**.
3. The design traffic level for mix placed shall be <0.3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **65 gyrations**.
4. The design traffic level for mix placed shall be 0.3 to <3 million ESALS. The design, verification, Quality Control, and Acceptance tests for this mix will be performed at **65 gyrations**.
8. Section 106.6 Acceptance, (2) Method B. The Contractor may request a contract modification to change to testing method "A" prior to work starting on this item.
10. Section 106.6 Acceptance, (2) Method D.
11. The combined aggregate gradation required for this item shall be classified as a 9.5mm "**fine graded**" mixture, (using the Primary Control Sieve control point) as defined in 703.09.
14. The combined aggregate gradation required for this item shall be classified as a 9.5mm Thin Lift Mixture (TLM) mixture, using the Aggregate Gradation Control Points as defined in 703.09.
16. In areas inaccessible to a **10 ton** roller, compaction of the new Hot Mix Asphalt Pavement will be obtained using a minimal roller train consisting of a **3-5 ton** vibratory roller. Areas less than 2 feet wide shall be compacted with a minimum of a **150 pound** plate compactor. An approved release agent is required to ensure the mixture does not adhere to hand tools, rollers, pavers, and truck bodies. The use of petroleum based fuel oils, or asphalt stripping solvents will not be permitted.

18. The Department will accept or reject any HMA based on a visual basis, either prior to its use, during placement, or in its final disposition.
27. See Special Provision 462 – Ultra Thin Bonded Wearing Course for project specifics.
30. The required PGAB shall be a storage-stable, homogeneous, polymer modified asphalt binder that meets **PG 64E-28** grading requirements in AASHTO M 332. All polymer modified asphalt grades utilized on the Project shall be treated with an approved liquid anti-strip. PG binders shall be treated either at the asphalt source terminal with the required dose rate on the delivery documentation, or at the hot mix asphalt plant utilizing a system integrated with the plants controls that will introduce a minimum 0.50 percent anti-strip by weight of asphalt binder used unless a rate is otherwise recommended by the anti-strip manufacturer. The PGAB and anti-strip blend shall meet the **PG 64E-28** requirements. The Contractor shall provide supporting test data showing the PGAB and anti-strip blend meet the required criteria.

#### Tack Coat

A tack coat of emulsified asphalt, RS-1, RS-1h, CRS-1 or CRS-1h, Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.030 gal/yd<sup>2</sup>, and on milled pavement approximately 0.05 gal/yd<sup>2</sup> prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim /base courses and surface course as well as to any bridge membrane prior to the placement of HMA layers at a rate not to exceed 0.030 gal/yd<sup>2</sup>. Tack used will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.

Date: 3/6/2019

Username:

Division: HIGHWAY

Filename: \\00\HIGHWAY\MSTA\001\_TITLE.dgn

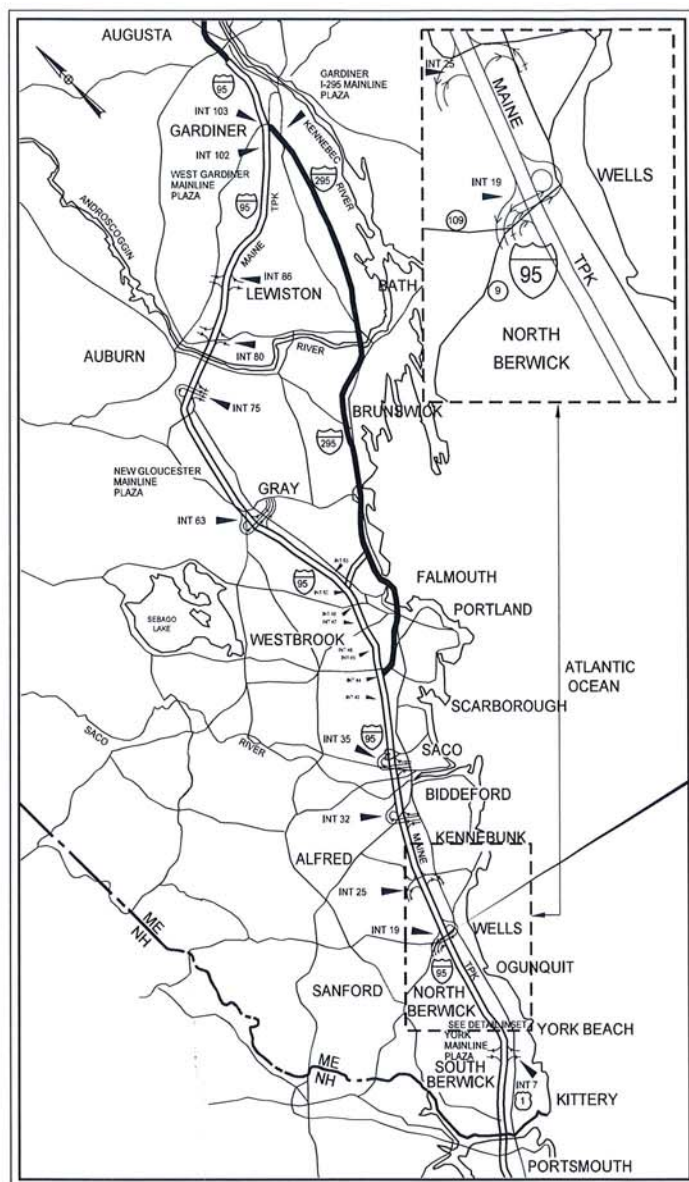


THE GOLD STAR  
MEMORIAL HIGHWAY

# 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



LOCATION MAP

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

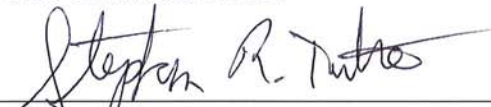
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES AND GENERAL NOTES
3	TYPICAL SECTIONS
4	TEMPORARY TRAFFIC CONTROL DETAILS
5-6	PLANS
7	SIGN DETAILS / SIGN SUMMARY
8-14	CROSS SECTIONS

CONTRACT 2019.07

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



Date: 3/11/2019

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
202.202	REMOVE PAVEMENT SURFACE	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 II	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

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

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.
- 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.

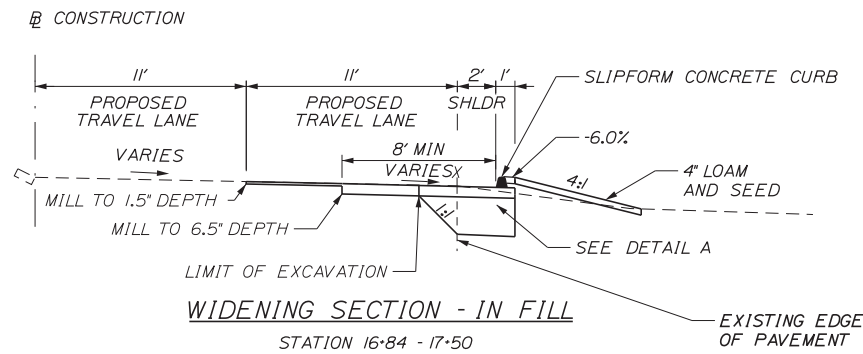
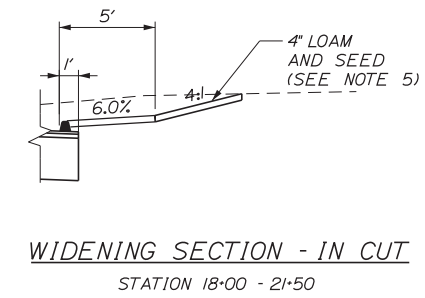
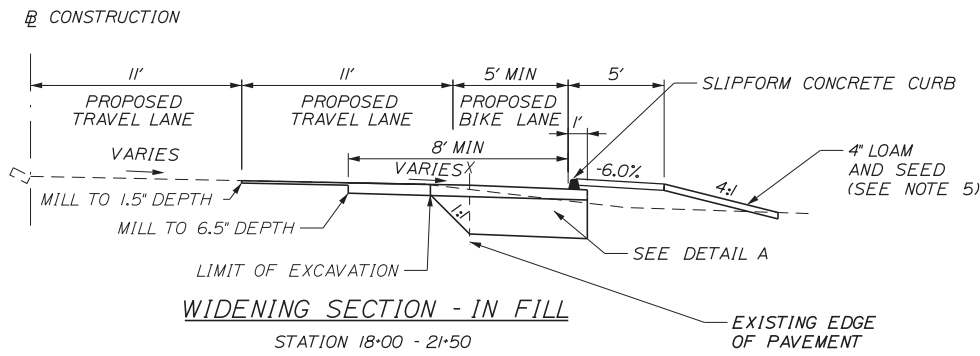
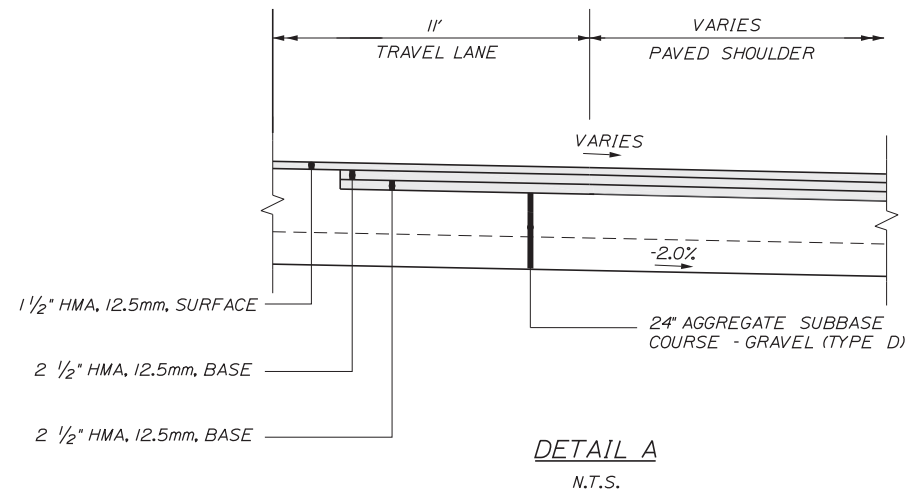
**DRAINAGE**

- 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.

Filename: ... \MSTA\002\_Civil\_GNotes.dgn

Scale: NOT TO SCALE		Designed by: <b>TY-LIN INTERNATIONAL</b>		T.Y. Lin International 12 Northbrook Drive Building A, Suite One Falmouth, Maine 04105 TEL: (207) 781-4721 FAX: (207) 781-4753		 <b>THE GOLD STAR MEMORIAL HIGHWAY</b>		ROUTE 109 IMPROVEMENTS ESTIMATED QUANTITIES & GENERAL NOTES													
No.	Revision	By	Date	CONSULTANT PROJECT MANAGER: Kevin Ducharme		<table border="1"> <tr> <td>By</td> <td>Date</td> <td>By</td> <td>Date</td> </tr> <tr> <td>Designed</td> <td></td> <td>Checked</td> <td></td> </tr> <tr> <td>Drawn</td> <td></td> <td>In Charge of</td> <td></td> </tr> </table>		By	Date	By	Date	Designed		Checked		Drawn		In Charge of		SHEET NUMBER:	
By	Date	By	Date																		
Designed		Checked																			
Drawn		In Charge of																			
						MTA PROJECT MANAGER: Ralph C. Norwood, IV		CONTRACT: 2019.07													
								2 OF 14													

Date: 3/8/2019



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.

Filename: ... \HIGHWAY\MSTAN\003 - Typical.dgn

Scale: NOT TO SCALE

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

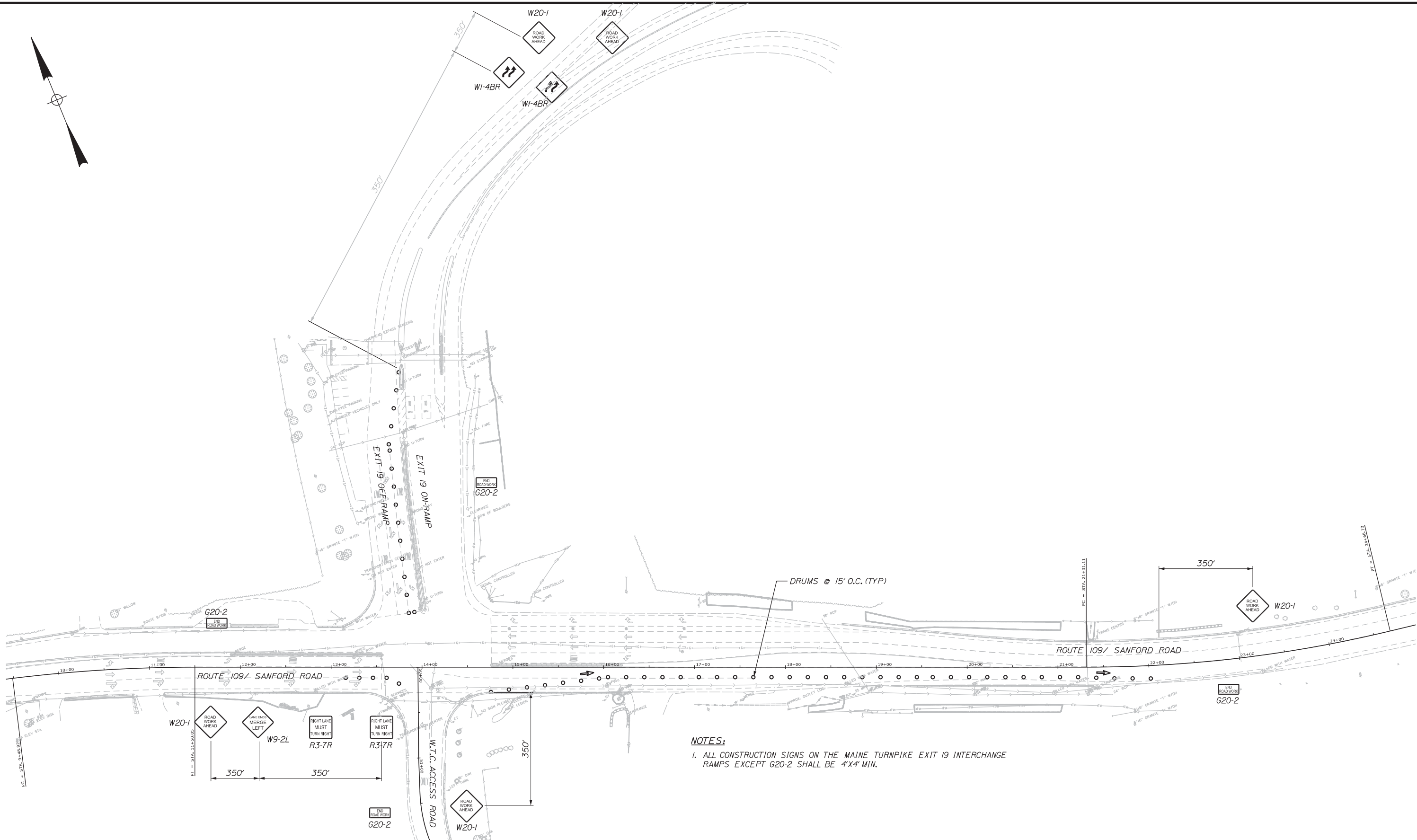
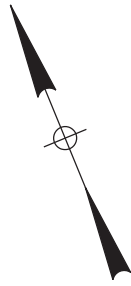
TYPICAL SECTIONS

SHEET NUMBER: 3 OF 14

CONTRACT: 2019.07

Date: 3/8/2019

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

Scale:

No.	Revision	By	Date

Designed by:

**TYLIN INTERNATIONAL**

CONSULTANT PROJECT MANAGER: Kevin Ducharme

	By	Date	By	Date
Designed	MJD	10/2018	Checked	KSD 10/2018
Drawn	MJD	10/2018	In Charge of	PEM 10/2018

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  
 MAINTENANCE OF TRAFFIC PLAN  
 ROUTE 109 WIDENING

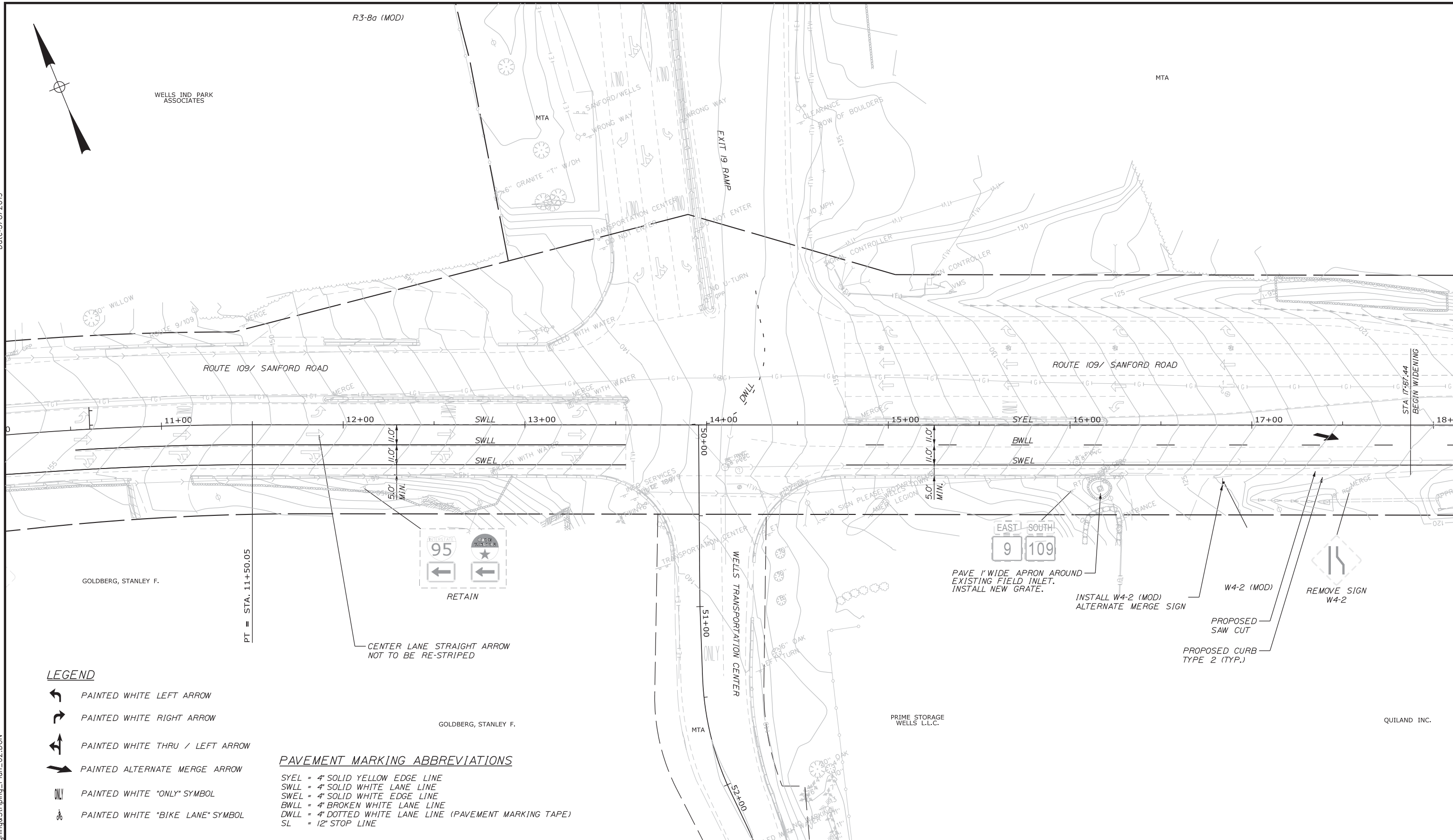
SHEET NUMBER:  
 CONTRACT: 2019.07

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

Scale:

No.	Revision	By	Date

Designed by:

**TYLIN INTERNATIONAL**

CONSULTANT PROJECT MANAGER: Kevin Ducharme

By	Date	By	Date
Designed TAE	6/2018	Checked TAE	6/2018
Drawn PEM	6/2018	In Charge of	6/2018

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

**MAINE TURNPIKE**

**THE GOLD STAR MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV

**ROUTE 109 IMPROVEMENTS**

**PLANS**

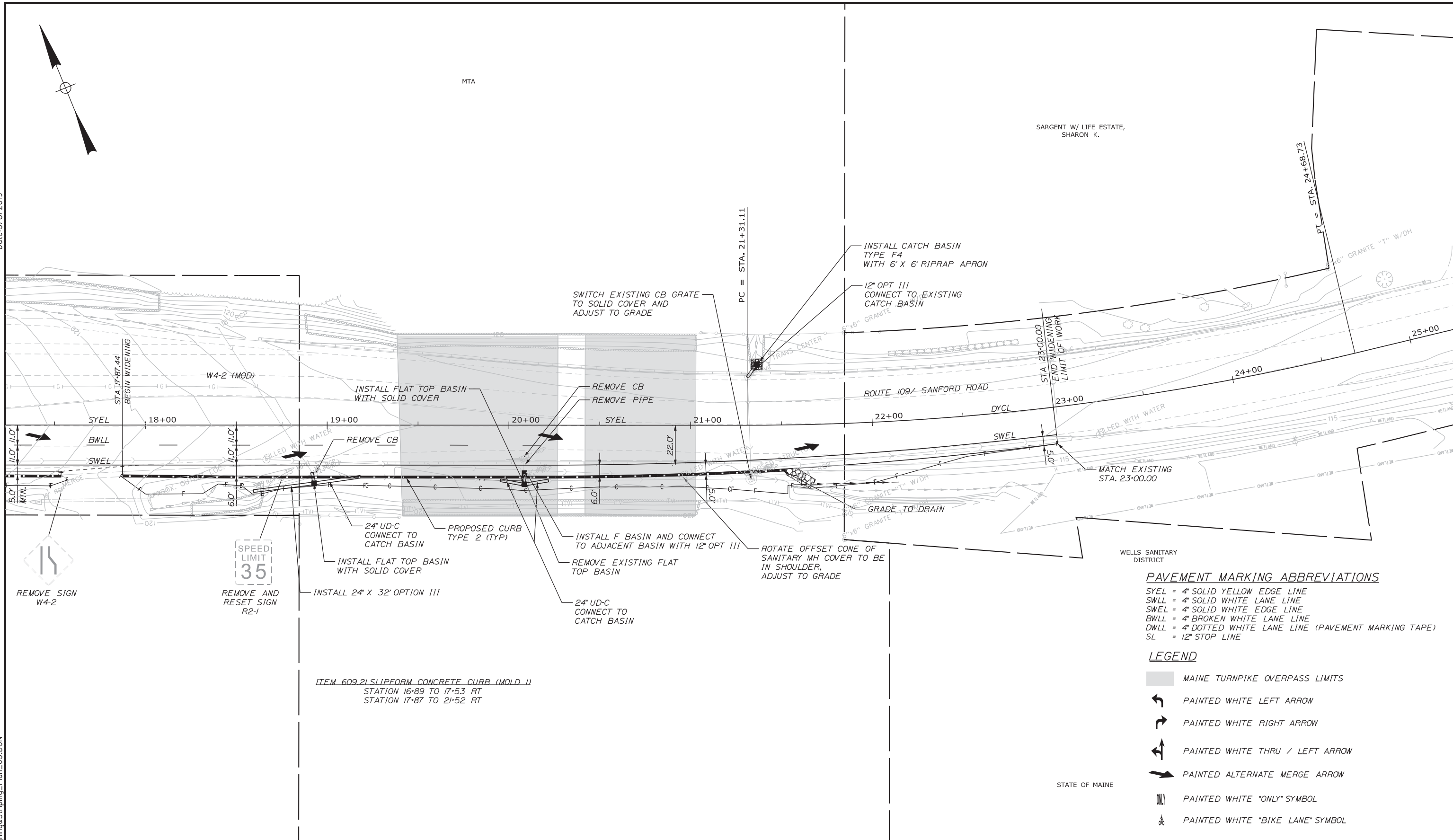
SHEET NUMBER: 5 OF 14

CONTRACT: 2019.07



Date: 3/8/2019

Filename: ... \010\_HDPlan&Signing&Striping\_Plan\_03.DGN



**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

**LEGEND**

- MAINE TURNPIKE OVERPASS LIMITS
- 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

Scale:

No.	Revision	By	Date

Designed by:

**TYLIN INTERNATIONAL**

CONSULTANT PROJECT MANAGER: Kevin Ducharme

	By	Date		By	Date
Designed	TAE	6/2018	Checked	TAE	6/2018
Drawn	PEM	6/2018	In Charge of		6/2018

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

**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


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.

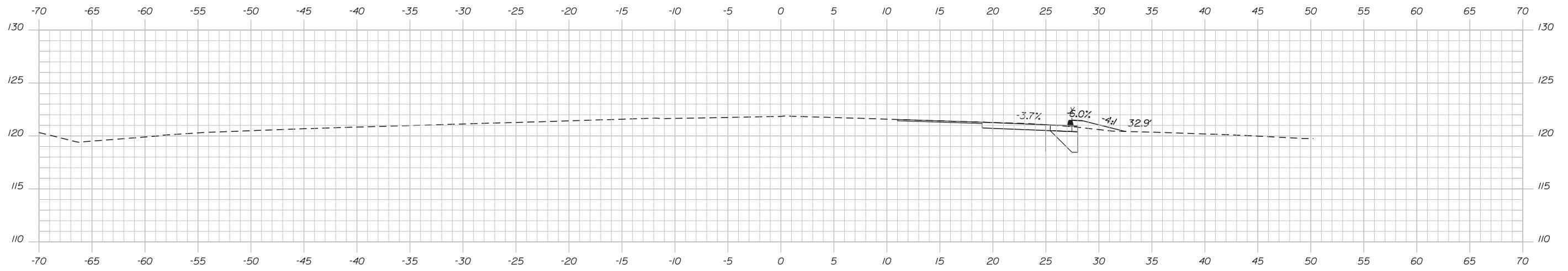
**ABBREVIATIONS FOR ALL PLANS:**

- 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

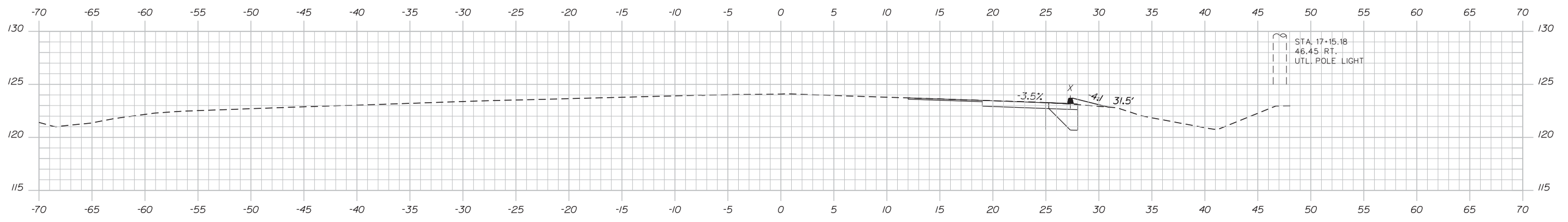
Scale: NOT TO SCALE				Designed by: <b>TYLIN INTERNATIONAL</b>				T.Y. Lin International 12 Northbrook Drive Building A, Suite One Falmouth, Maine 04105 TEL: (207) 781-4721 FAX: (207) 781-4753				 <b>THE GOLD STAR MEMORIAL HIGHWAY</b>				ROUTE 109 IMPROVEMENTS  SIGN DETAILS / SIGN SUMMARY							
CONSULTANT PROJECT MANAGER: Kevin Ducharme																							
No.	Revision	By	Date	Designed	By	Date	Checked	By	Date	Drawn	In Charge of												
												MTA PROJECT MANAGER: Ralph C. Norwood, IV				CONTRACT: 2019.07				SHEET NUMBER: 7 OF 14			

Date: 3/8/2019

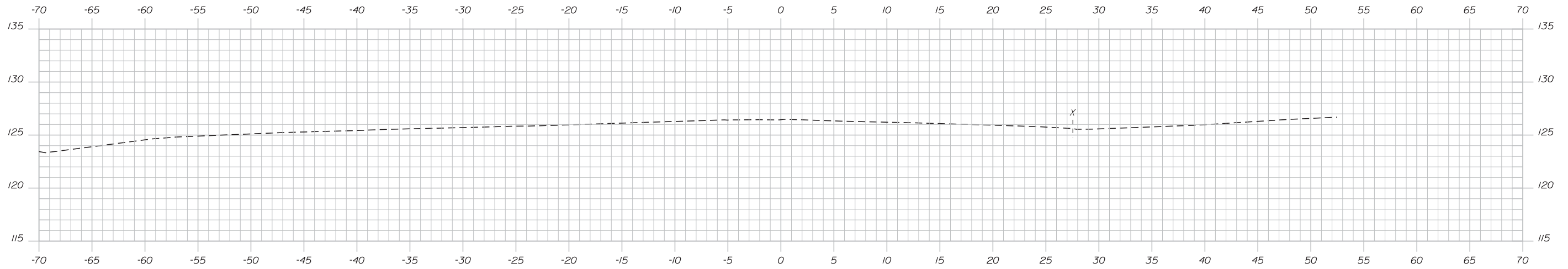
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17+50.00



17+00.00



16+50.00

Scale: 1" = 5'

No.	Revision	By	Date

Designed by:

**TYLIN INTERNATIONAL**

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

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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV

ROUTE 109 IMPROVEMENTS

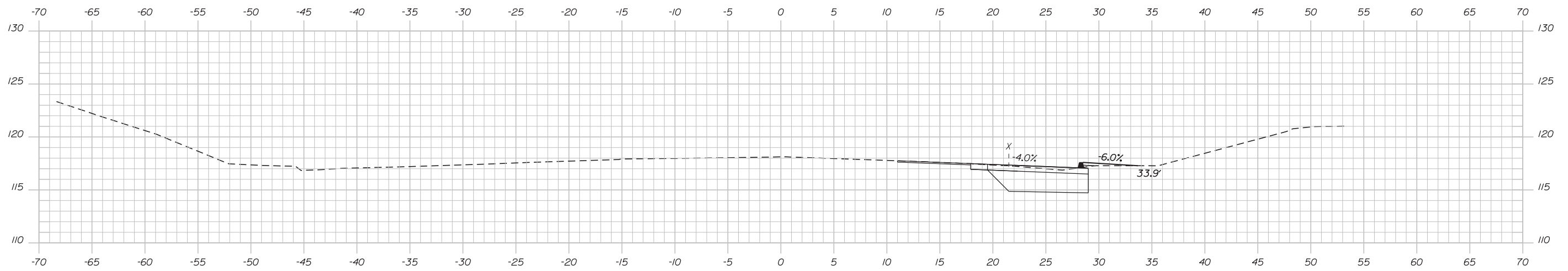
CROSS SECTIONS

SHEET NUMBER: 8 OF 14

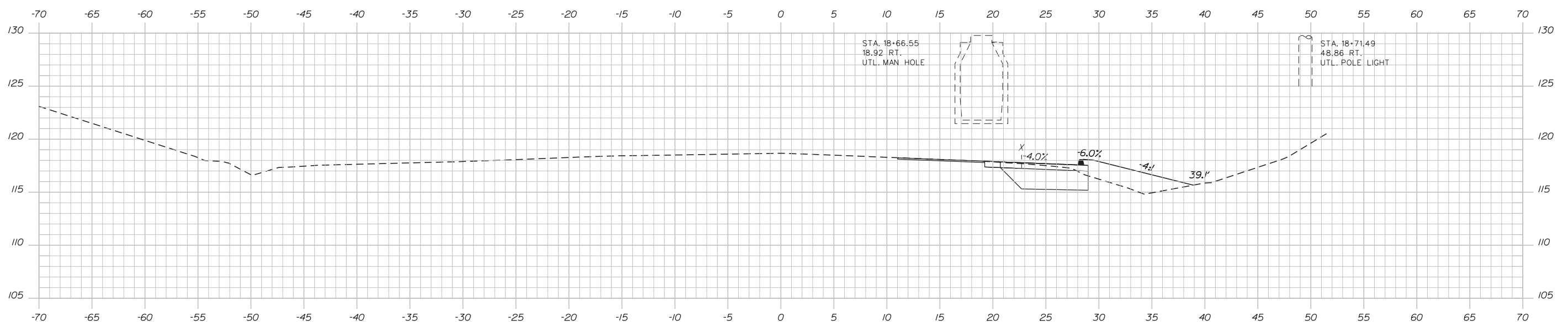
CONTRACT: 2019.07

Date: 3/8/2019

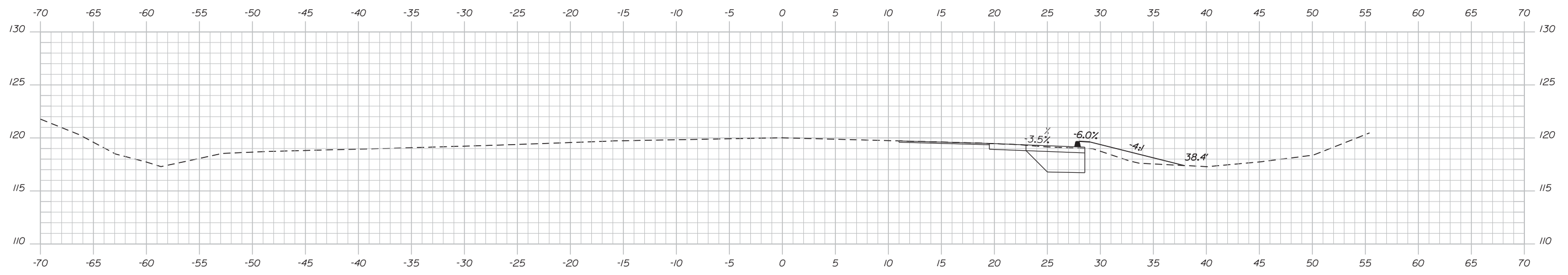
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18+75.00



18+50.00



18+00.00

Scale: 1" = 5'

No.	Revision	By	Date

Designed by:

**TYLIN INTERNATIONAL**

CONSULTANT PROJECT MANAGER: Kevin Ducharme

Designed	By	Date	Checked	By	Date
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

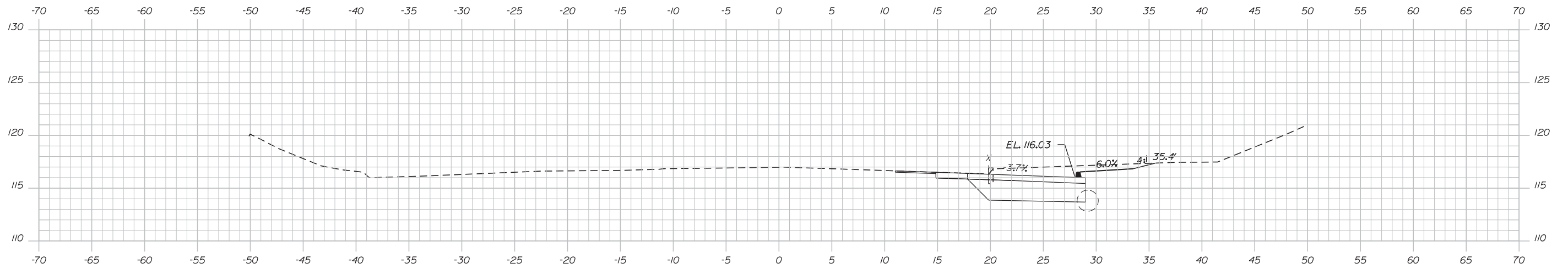
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SHEET NUMBER: 9 OF 14

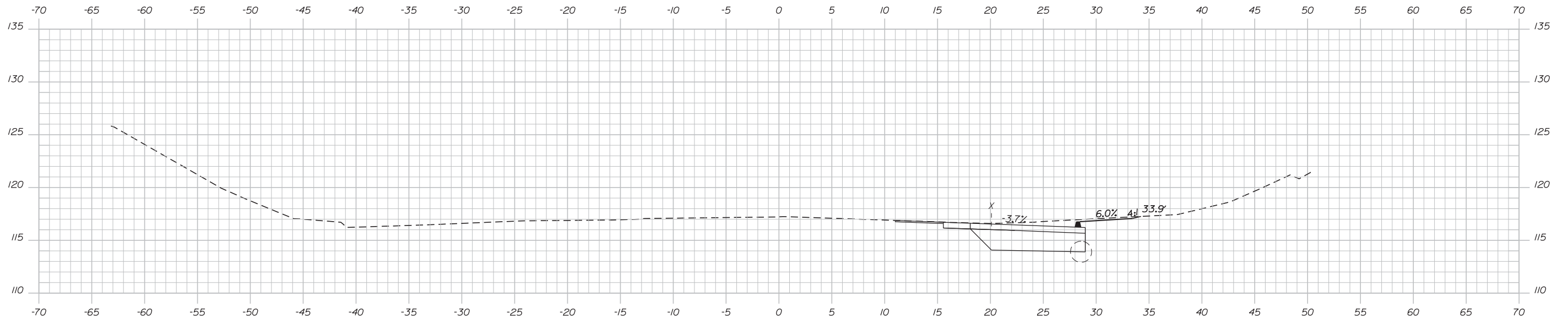
CONTRACT: 2019.07

Date: 3/8/2019

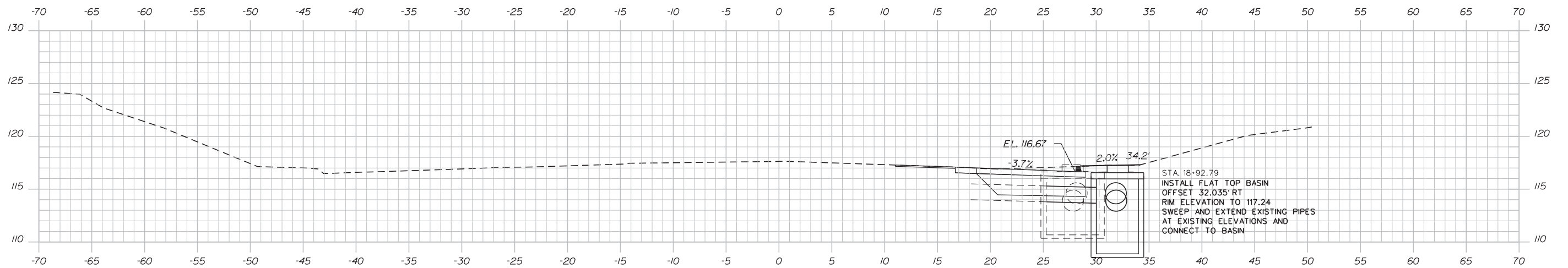
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19+50.00



19+25.00



19+00.00

Scale: 1" = 5'

No.	Revision	By	Date

Designed by:

**TYLIN INTERNATIONAL**

CONSULTANT PROJECT MANAGER: Kevin Ducharme					
Designed	By	Date	Checked	By	Date
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

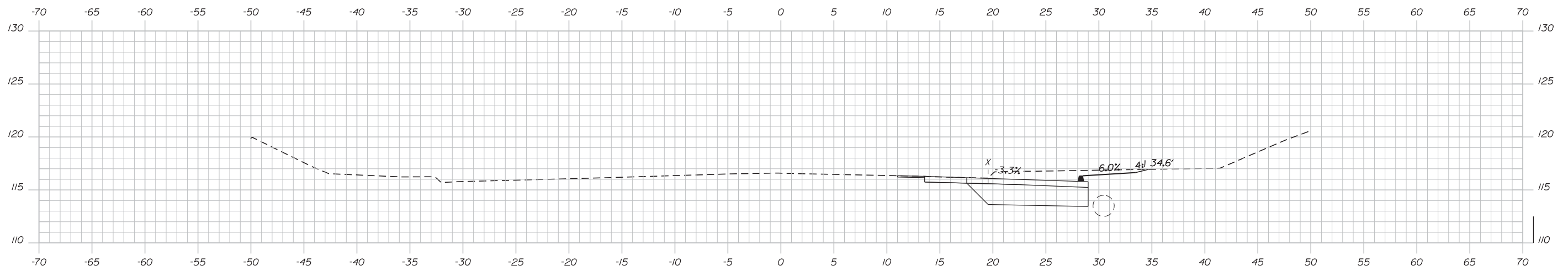
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SHEET NUMBER: 10 OF 14

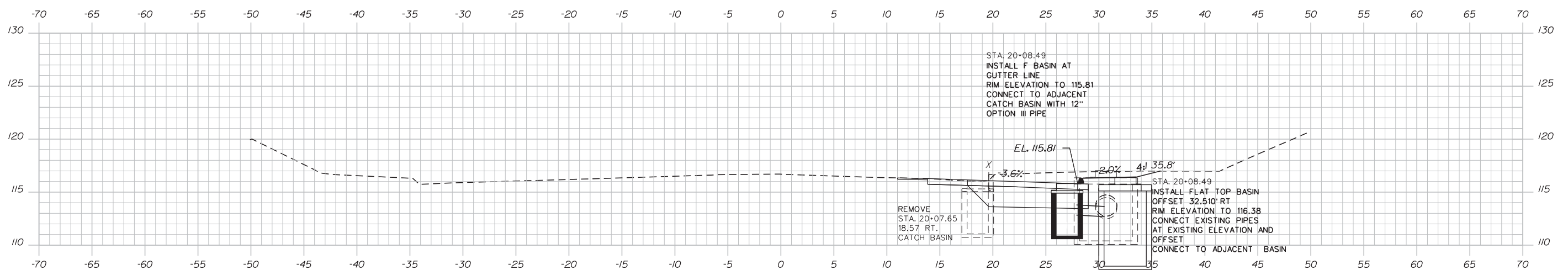
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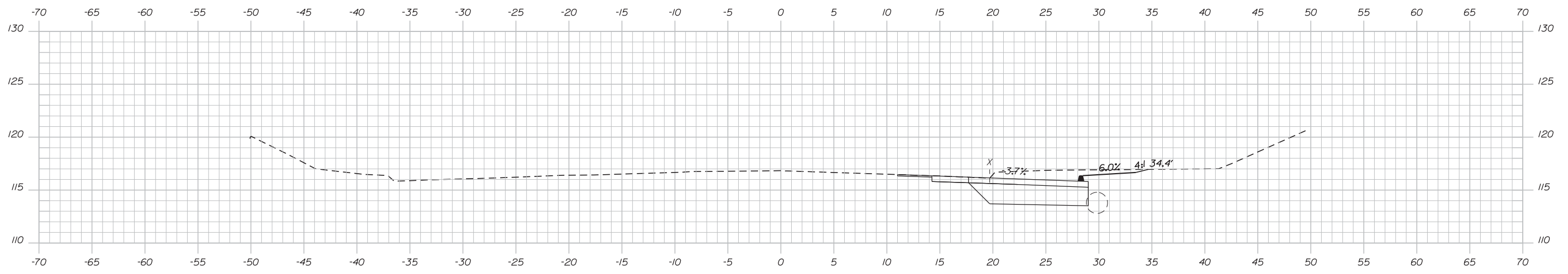
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20+25.00



20+00.00



19+75.00

Scale: 1" = 5'

No.	Revision	By	Date

Designed by:

**TYLIN INTERNATIONAL**

CONSULTANT PROJECT MANAGER: Kevin Ducharme

Designed	By	Date	Checked	By	Date
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

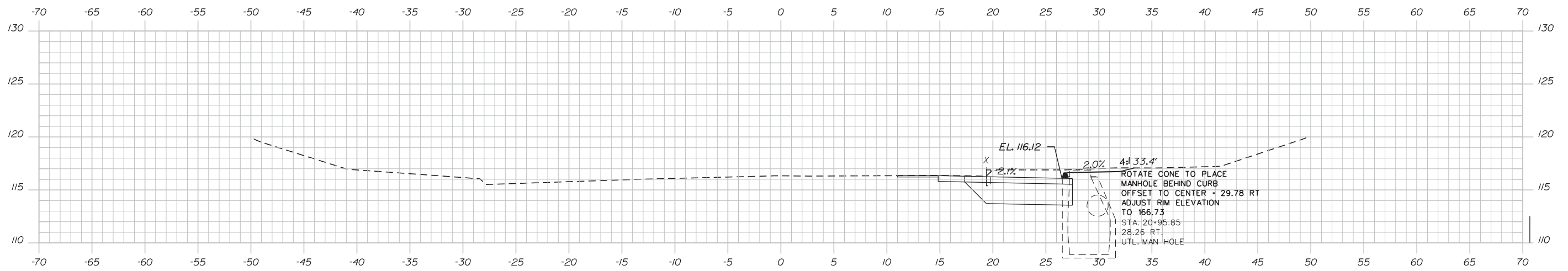
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SHEET NUMBER: 11 OF 14

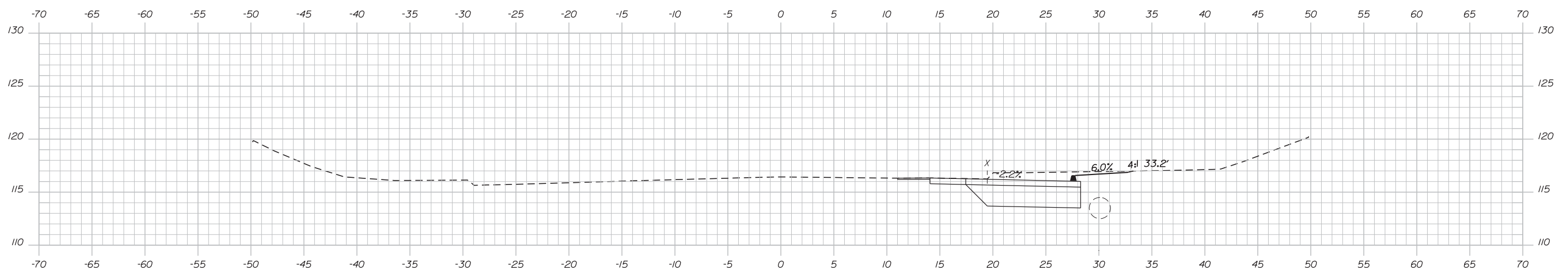
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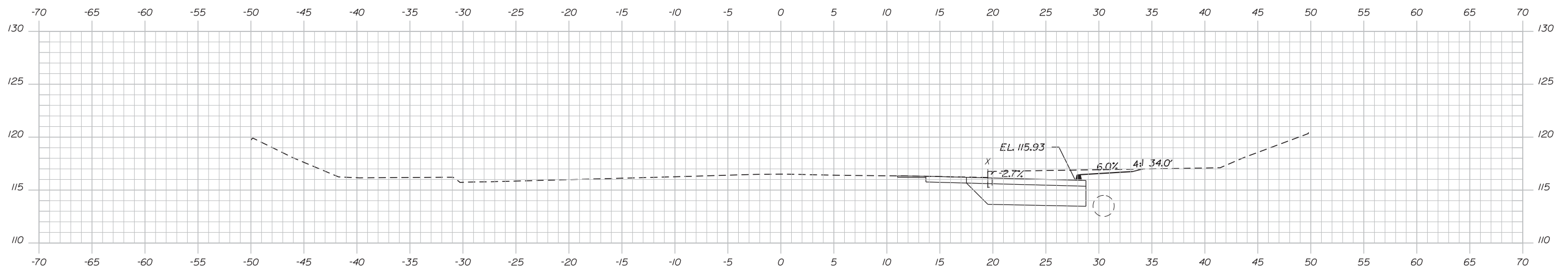
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21+00.00



20+75.00



20+50.00

Scale: 1" = 5'

No.	Revision	By	Date

Designed by:

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Designed	By	Date	Checked	By	Date
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MTA PROJECT MANAGER: Ralph C. Norwood, IV

ROUTE 109 IMPROVEMENTS

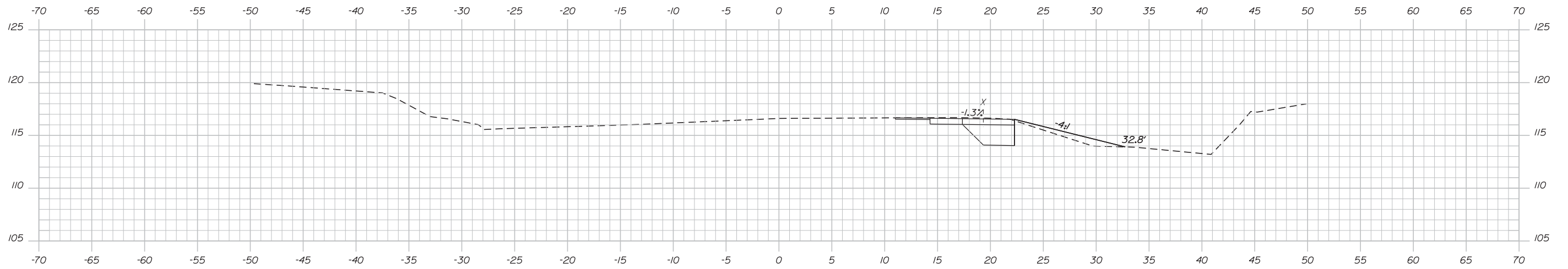
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SHEET NUMBER: 12 OF 14

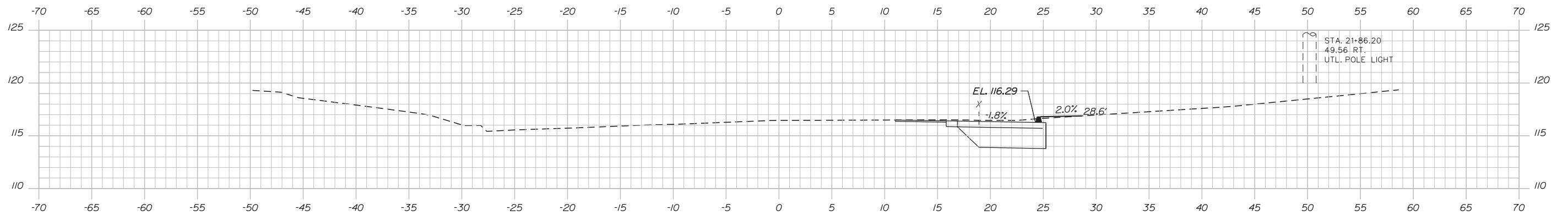
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Date: 3/8/2019

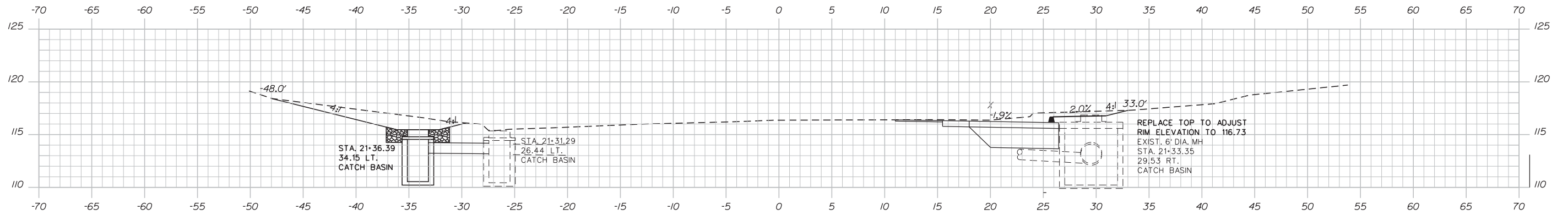
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22+00.00



21+50.00



21+25.00

Scale: 1" = 5'

No.	Revision	By	Date

Designed by:

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CONSULTANT PROJECT MANAGER: Kevin Ducharme

Designed	By	Date	Checked	By	Date
Drawn			In Charge of		

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**THE GOLD STAR MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV

ROUTE 109 IMPROVEMENTS

CROSS SECTIONS

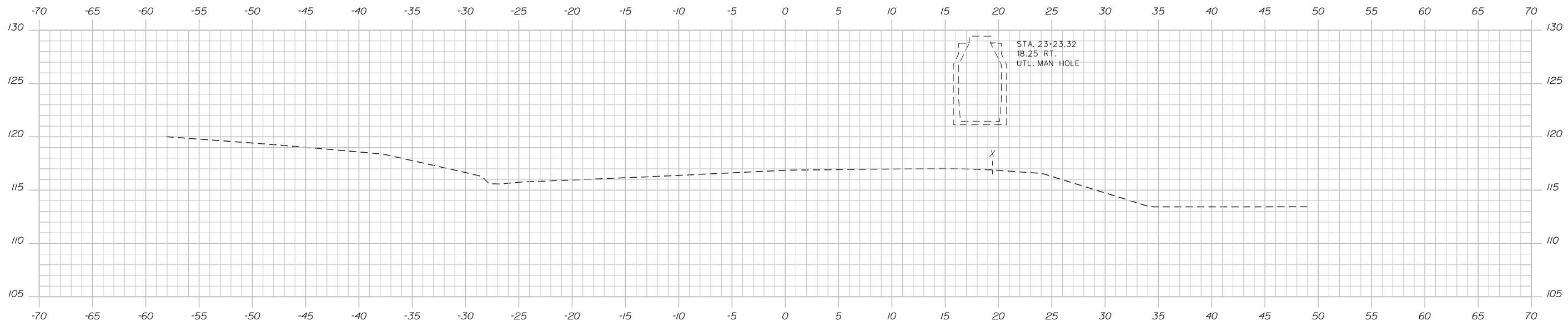
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CONTRACT: 2019.07

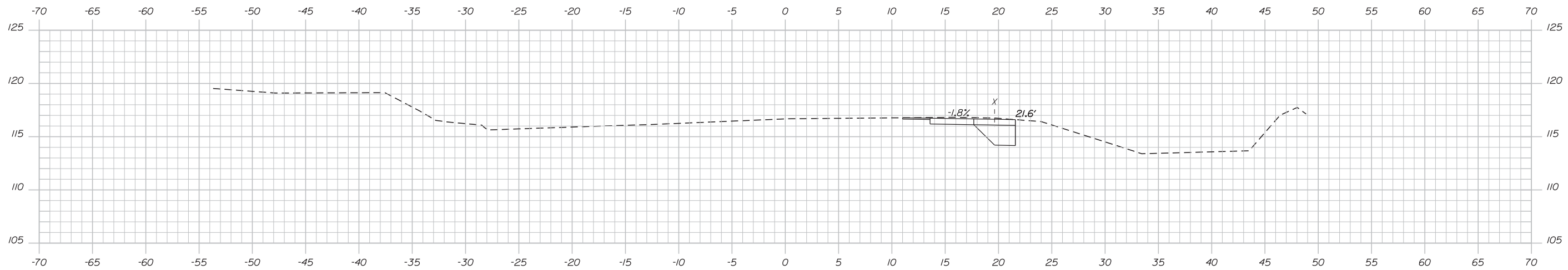


Date: 3/8/2019

Filename: ... \HIGHWAY\MSTA\XXX\_XSections.dgn



23+00.00



22+50.00

Scale: 1" = 5'

No.	Revision	By	Date

Designed by:

**TYLIN INTERNATIONAL**

CONSULTANT PROJECT MANAGER: Kevin Ducharme

Designed	By	Date	Checked	By	Date
Drawn			In Charge of		

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**THE GOLD STAR  
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV

ROUTE 109 IMPROVEMENTS

CROSS SECTIONS

SHEET NUMBER: 14 OF 14

CONTRACT: 2019.07

Sta. 22+50.00 to Sta. 23+00.00