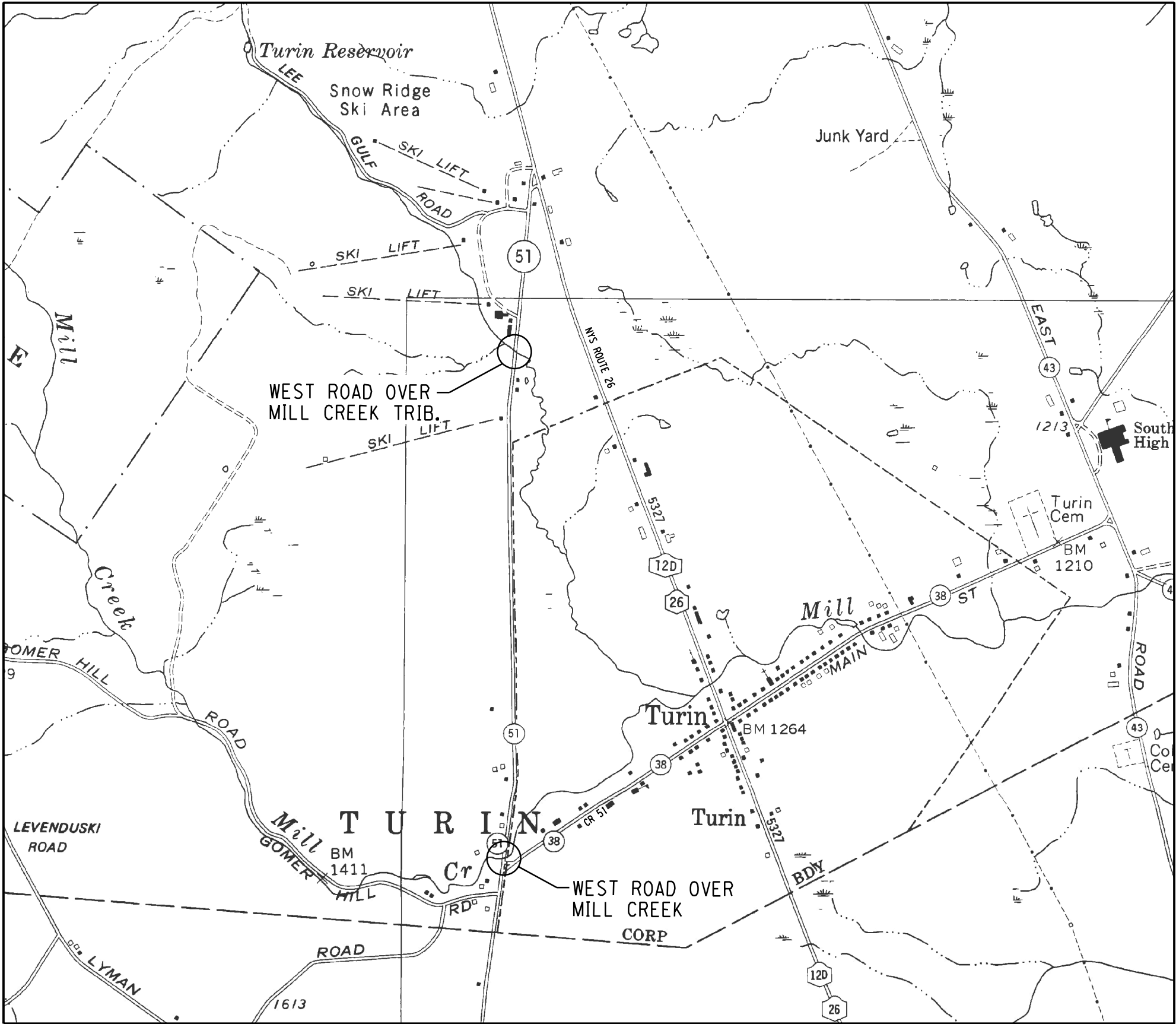


PREPARED BY: BARTON & LOGUIDICE, D.P.C.





REPLACEMENT OF WEST ROAD CULVERTS	
OVER MILL CREEK & MILL CREEK TRIB.	
TOWN OF TURIN	LEWIS COUNTY
SITE LOCATION MAP	
SCALE: NO SCALE	
DATE ISSUED: 04 / 2023	
DRAWING	
SP-1	

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EDUCATION LAW ARTICLE 145 SECTION 7209

**LEWIS COUNTY**
HIGHWAY DEPARTMENT

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ZPD/NLP

- DRAFTED BY

ZPD/MJS

- CKED BY

- ZPD/GRW

- G N E D B Y

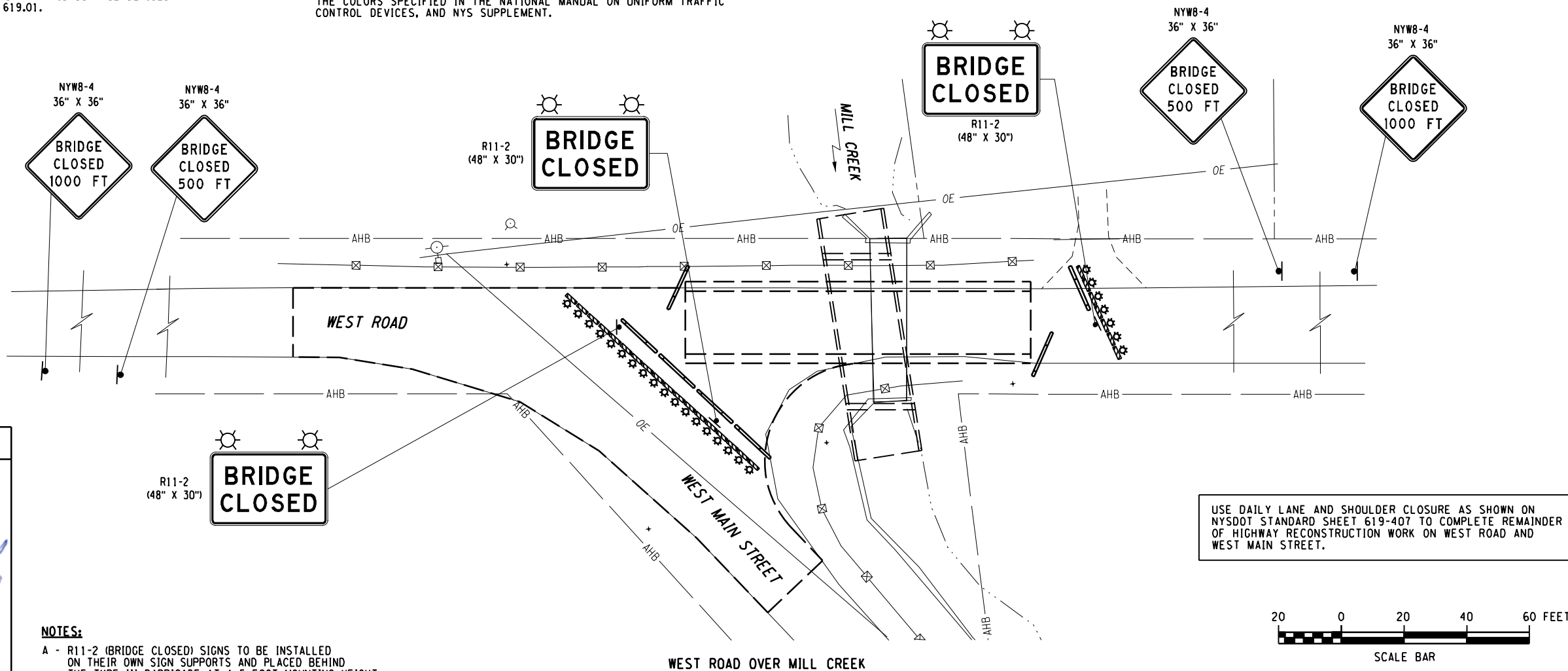
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EMERGENCY SERVICE MARKERS, ROUTE MARKERS AND THEIR CORRESPONDING AUXILIARY SIGNS SHALL BE THE COLORS SPECIFIED IN THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. (ANY AUXILIARY SIGNS WHICH ARE NOT INCLUDED IN THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE NYS SUPPLEMENT SHALL BE BLACK LEGEND ON ORANGE BACKGROUND). BLANK COVERS USED TO COVER PORTIONS OF EXISTING SIGNS SHALL BE OF A COLOR AND REFLECTORIZED MATERIAL MATCHING THAT OF THE SIGN BEING PARTIALLY COVERED. ANY REGULATORY SIGNS REQUIRED SHALL BE THE COLORS SPECIFIED IN THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. AND NYS SUPPLEMENT.

1. WHEN FLAGGERS ARE BEING USED FOR TRAFFIC CONTROL PURPOSES, FLAGGER SIGNS (W20-7) SHALL BE PLACED AS SHOWN ON PLANS OR A.O.B.E ON ALL APPROACHES TO THE AREAS BEING FLAGGED. THE COST OF FLAGGER SIGNS SHALL BE INCLUDED IN THE PRICE BID FOR THE BASIC WORK ZONE TRAFFIC CONTROL ITEM 619.01. FLAGGER SIGNS SHALL NOT BE USED FOR BRIEF PERIODS OF INCIDENTAL FLAGGING. FLAGGER SIGNS SHALL NOT BE VISIBLE WHEN FLAGGERS ARE NOT BEING USED.
2. FLAGGERS SHALL USE THE FREE HAND FOR EMPHASIS AS DESCRIBED IN CHAPTER 6E OF THE NMUTCD. STOP/SLOW PADDLES SHALL BE REQUIRED FOR ALL FLAGGING AND SHALL CONFORM TO THE REQUIREMENTS IN THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (NMUTCD) BUT SHALL BE A MINIMUM WIDTH OF 2 FT. THE COST OF THESE PADDLES AND ALL FLAGGERS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, WORK ZONE TRAFFIC CONTROL. WHERE THE USE OF THE PADDLE MAY CAUSE CONFUSION, SIGNAL FLAGS SHALL BE USED.
3. FLAGGERS SHALL NOT POSITION THEMSELVES DIRECTLY IN THE PATH OF ONCOMING TRAFFIC. AT ALL TIMES, THE CONTRACTOR SHALL PROVIDE FLAGGERS WITH A CLEAR ESCAPE PATH, FREE OF PARKED VEHICLES, EQUIPMENT OR OTHER OBSTACLES.
4. THE CONTRACTOR SHALL PROVIDE FLAGGERS WHERE SIGHT DISTANCES ARE IMPAIRED BY THE OPERATION OR IN ANY OTHER SITUATION A.O.B.E. FLAGGERS SHALL BE REQUIRED TO USE TWO-WAY RADIOS, OR OTHER FORMS OF ENHANCED COMMUNICATION WHEN ONE FLAGGER IS NOT VISIBLE TO THE OTHER OR IF THE ENGINEER DEEMS IT NECESSARY. ALL COSTS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01, WORK ZONE TRAFFIC CONTROL.

	SIGNS (NMUTCD) PAYMENT UNDER ITEM 619.01
	TYPE 'A' FLASHER LIGHTING FOR SIGNS, PAYMENT UNDER ITEM 619.01
	TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
	TEMPORARY POSITIVE BARRIER CATEGORY 1 (PINNING PROHIBITED), ITEM 619.1711



A - R11-2 (BRIDGE CLOSED) SIGNS TO BE INSTALLED ON THEIR OWN SIGN SUPPORTS AND PLACED BEHIND THE TYPE III BARRICADE AT A 5 FOOT MOUNTING HEIGHT.

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HIGHWAY DEPARTMENT

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REPLACEMENT OF WEST ROAD CULVERTS

OVER MILL CREEK & MILL CREEK TRIB.

TOWN OF TURIN

LEWIS COUNTY

WORK ZONE TRAFFIC CONTROL PLAN

SCALE: AS SHOWN

DATE ISSUED: 04 / 2023

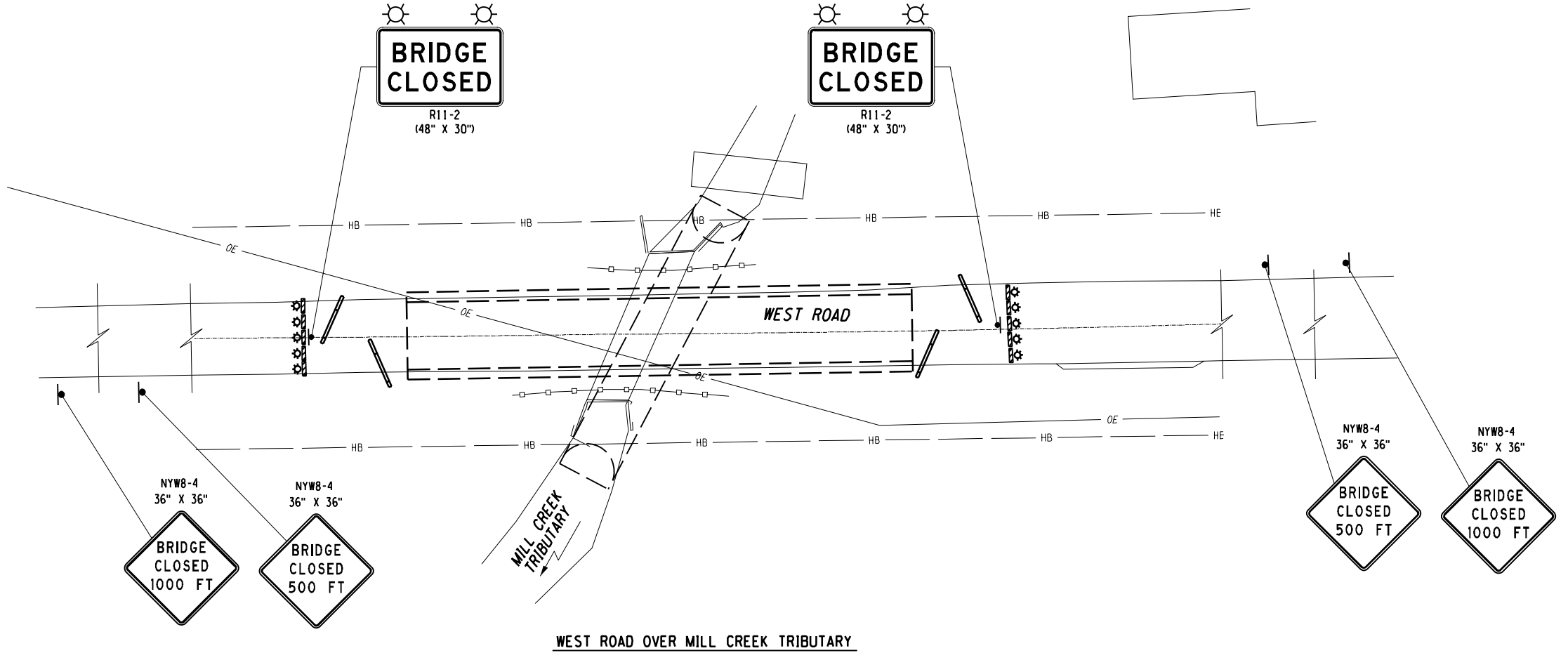
DRAWING
WZTC-1

IN CHARGE OF MJS DESIGNED BY MJS/ZPD/GRW CHECKED BY MJS/ZPD/GRW DRAFTED BY ZPD/NLP CHECKED BY MJS/GRW

PREPARED BY: BARTON & LOGUIDICE, D.P.C.



NOTES:
A - R11-2 (BRIDGE CLOSED) SIGNS TO BE INSTALLED ON THEIR OWN SIGN SUPPORTS AND PLACED BEHIND THE TYPE III BARRICADE AT A 5 FOOT MOUNTING HEIGHT.



LEGEND:

- SIGNS (NMTCD) PAYMENT UNDER ITEM 619.01
- TYPE 'A' FLASHER LIGHTING FOR SIGNS, PAYMENT UNDER ITEM 619.01
- TYPE III CONSTRUCTION BARRICADE, WITH LIGHTING, ITEM 619.04
- TEMPORARY POSITIVE BARRIER CATEGORY 1 (PINNING PROHIBITED), ITEM 619.1711

20 0 20 40 60 FEET
SCALE BAR

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LEWIS COUNTY
HIGHWAY DEPARTMENT

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REPLACEMENT OF WEST ROAD CULVERTS	WORK ZONE
OVER MILL CREEK & MILL CREEK TRIB.	TRAFFIC CONTROL PLAN
TOWN OF TURIN	SCALE: AS SHOWN
LEWIS COUNTY	DATE ISSUED: 04 / 2023
	DRAWING WZTC-2

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IN CHARGE OF MJS
DESIGNED BY MJS/ZPD/GRW
CHECKED BY MJS/ZPD/GRW
DRAFTED BY ZPD/NLP
CHECKED BY MJS/GRW

BENCHMARK TABLE				
POINT NO.	ELEVATION	NORTHING	EASTING	DESCRIPTION
1 @ 10+00.00	1310.69	1322099	1128152	CAPPED REBAR
2 @ 13+29.98	1298.35	1322356	1128359	CAPPED REBAR

2022 SURVEY BASELINE TIE

TIES NOT TO SCALE

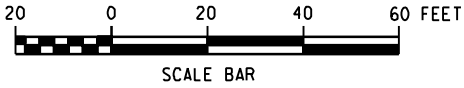
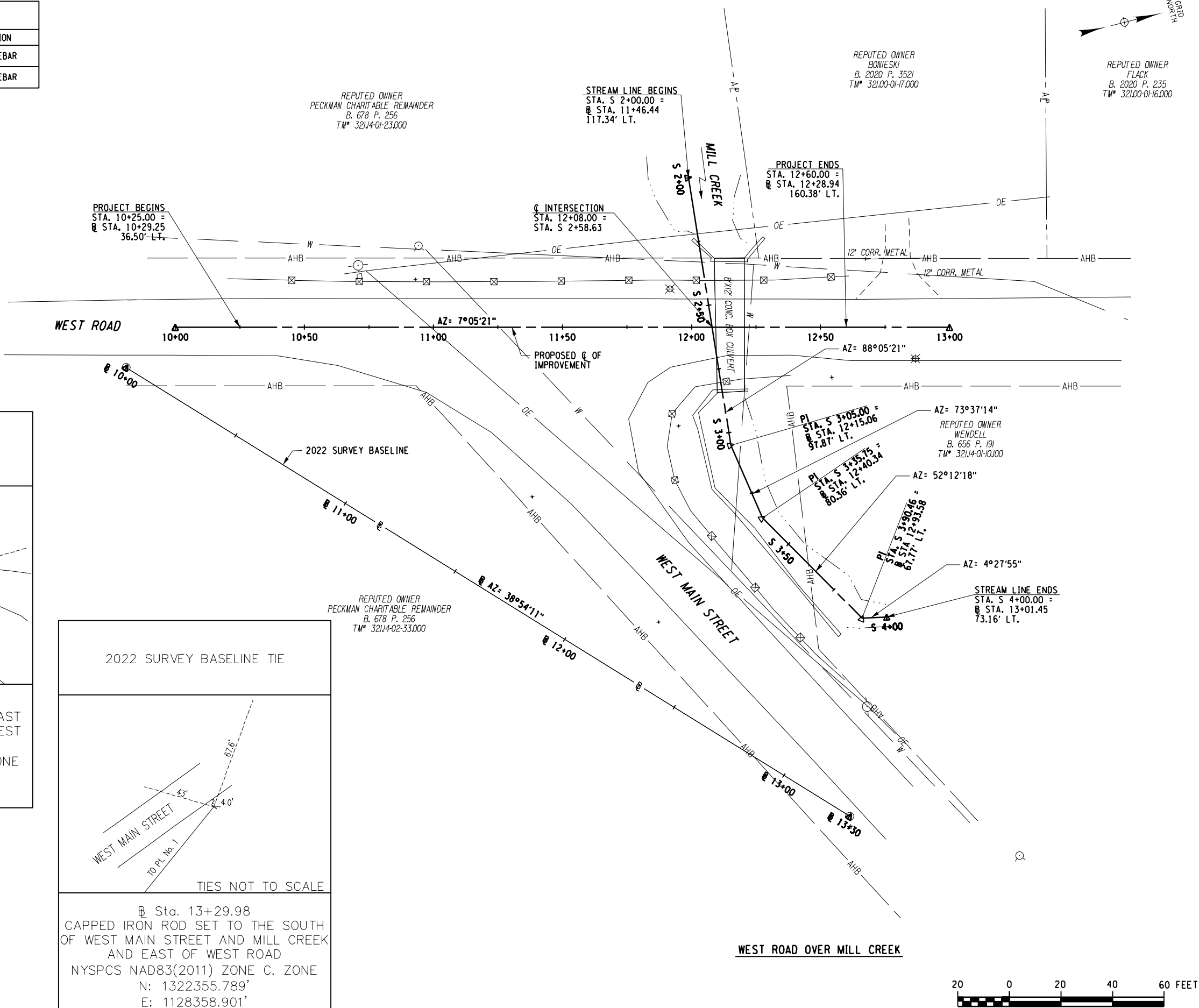
@ Sta. 10+00.00
CAPPED IRON ROD SET TO THE EAST
OF WEST ROAD AND SOUTH OF WEST
MAIN STREET AND MILL CREEK
NYSPCS NAD83(2011) ZONE C. ZONE
N: 1322098.998'
E: 1128151.676'

PREPARED BY: BARTON & LOGUIDICE, D.P.C.

2022 SURVEY BASELINE TIE

TIES NOT TO SCALE

@ Sta. 13+29.98
CAPPED IRON ROD SET TO THE SOUTH
OF WEST MAIN STREET AND MILL CREEK
AND EAST OF WEST ROAD
NYSPCS NAD83(2011) ZONE C. ZONE
N: 1322355.789'
E: 1128358.901'



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LEWIS COUNTY
HIGHWAY DEPARTMENT

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EDUCATION LAW ARTICLE 145 SECTION 7209

REPLACEMENT OF WEST ROAD CULVERTS
OVER MILL CREEK & MILL CREEK TRIB.

TOWN OF TURIN

LEWIS COUNTY

SURVEY
CONTROL PLAN,
BASELINE TIES,
& BENCHMARKS

SCALE: AS SHOWN

DATE ISSUED: 04 / 2023

DRAWING
SC1-1

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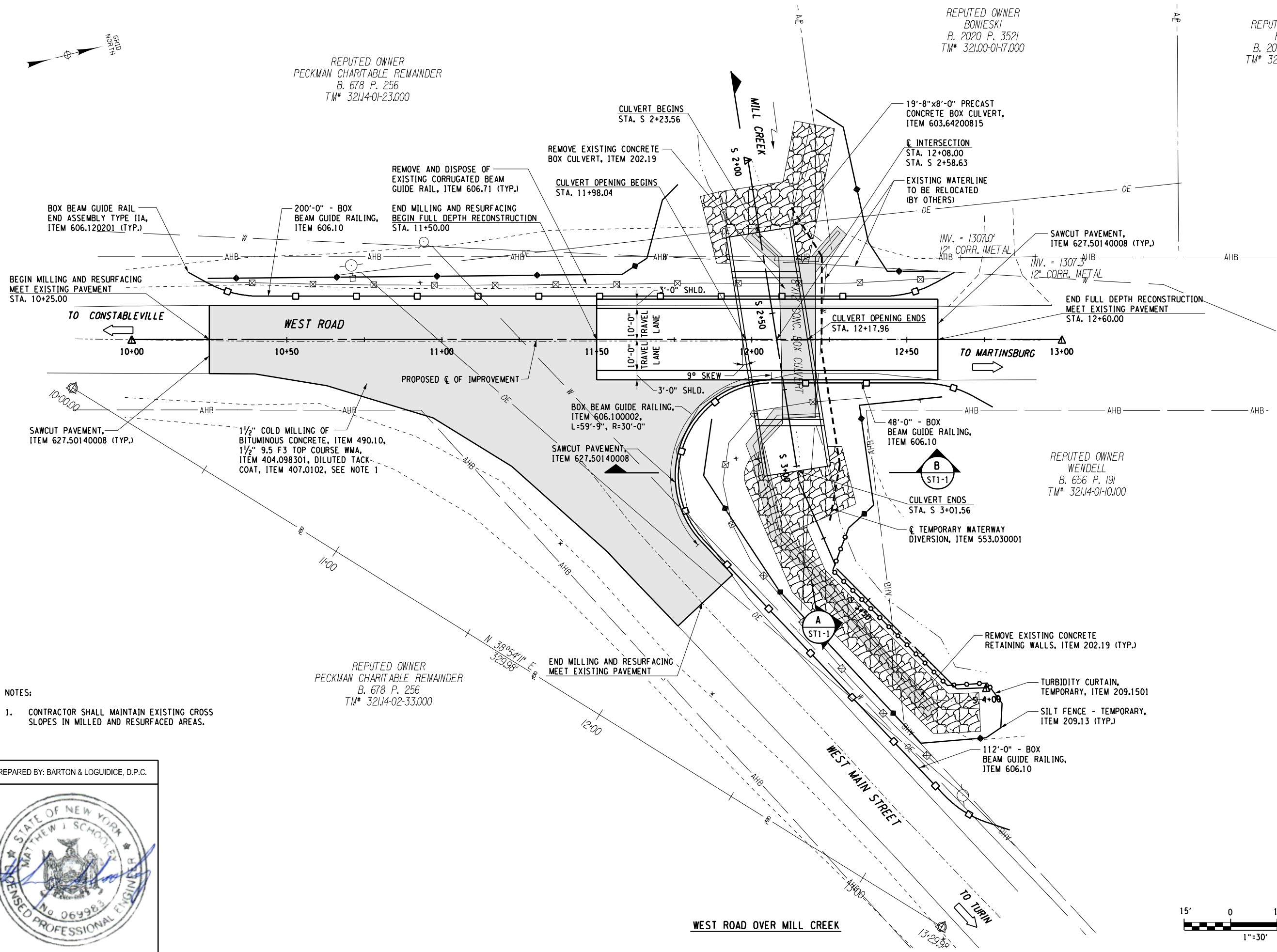
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IN CHARGE OF MJS DESIGNED BY MJS/2PD/GRW CHECKED BY ZPD/MJS DRAFTED BY ZPD/NLP CHECKED BY MJS/GRW

NOTES:

1. CONTRACTOR SHALL MAINTAIN EXISTING CROSS SLOPES IN MILLED AND RESURFACED AREAS.

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5		10	
NO.	DATE	BY	REVISION
 LEWIS COUNTY HIGHWAY DEPARTMENT			
Barton & Loguidice		UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW - ARTICLE 145 SECTION 7209	
REPLACEMENT OF WEST ROAD CULVERTS	OVER MILL CREEK & MILL CREEK TRIB.	TOWN OF TURIN	LEWIS COUNTY
PLAN			
SCALE: AS SHOWN			
DATE ISSUED: 04 / 2023			
DRAWING PL1-1			

IN CHARGE OF MJS DESIGNED BY MJS/ZPD/GRW CHECKED BY MJS/ZPD/GRW DRAFTED BY ZPD/MJS ZPD/NLP CHECKED BY MJS/GRW

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**BOX UNIT STRUCTURE
DESIGN DATA**

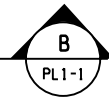
CLEAR SPAN, ft.	19'-8"
STRUCTURE RISE, ft.	8'-0"
MIN. FILL HEIGHT, ft.	1'-0"
MAX. FILL HEIGHT, ft.	5'-7"
(CSKEW) SKEW ANGLE TO C OF ROADWAY, DEG.	9°
LIVE LOAD	HL-93
RAILING/ BARRIER TEST LOAD	TL-4

LOAD RATING (LRFR)

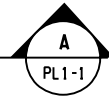
INVENTORY	
OPERATING	

LIVE LOAD = HL-93

**SECTION
SCALE: 1/8" = 1'**



**SECTION
SCALE: 1/8" = 1'**



NOTES:

1. THE BOX CULVERT WILL BE ALLOWED TO NATURALLY FILL IN WITH STREAMBED MATERIAL.
2. SECTION SHOWN ALONG CENTERLINE OF STREAM, CULVERT SECTION DETAILS SHOWN PERPENDICULAR TO CENTERLINE OF ROADWAY TO SHOW ACTUAL WIDTH DIMENSIONS.
3. VERTICAL LEG AND SLAB THICKNESSES, REINFORCEMENT SIZE AND SPACING TO BE DETERMINED BY THE FABRICATOR.
4. THE LENGTH OF EACH PRECAST CONCRETE BOX CULVERT UNIT SHALL BE DETERMINED BY THE FABRICATOR.
5. ALL EXPOSED EDGES SHALL HAVE A CHAMFER OF 1".
6. THE DESIGN OF THE PRECAST CONCRETE BOX CULVERT SHALL PROVIDE AN LRFR INVENTORY LOAD RATING OF 1.2 OR HIGHER.
7. FILL SHALL BE CRUSHED MATERIAL MEETING THE REQUIREMENTS OF MATERIAL DESIGNATION 703-0201, 703-0202 OR 703-0204 WITH PRIMARY SIZE DESIGNATION OF 3, ITEM 623.12.

* : MEASURED PERPENDICULAR TO CENTERLINE OF ROAD
** : MEASURED PERPENDICULAR TO CENTERLINE OF STREAM

REPLACEMENT OF WEST ROAD CULVERTS
OVER MILL CREEK & MILL CREEK TRIB.

TOWN OF TURIN
LEWIS COUNTY

CULVERT SECTION
AND ELEVATION

SCALE: AS SHOWN
DATE ISSUED: 04 / 2023
DRAWING
ST1-1



LEWIS COUNTY
HIGHWAY DEPARTMENT

NO. DATE BY REVISION

6
10

IN CHARGE OF MJS DESIGNED BY MJS/CZPD/GRW CHECKED BY MJS/CZPD/GRW DRAFTED BY MJS/CZPD/GRW CHECKED BY MJS/CZPD/GRW

- NOTES:
1. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE FOR THE EXISTING DITCH THROUGH THE REESTABLISHED STREAM BANK SHOWN IN SECTION C.
 2. DIMENSIONS SHOWN FOR SUBSTRUCTURES TO BE REMOVED ARE BASED ON ASSUMPTIONS AND FIELD MEASUREMENTS.

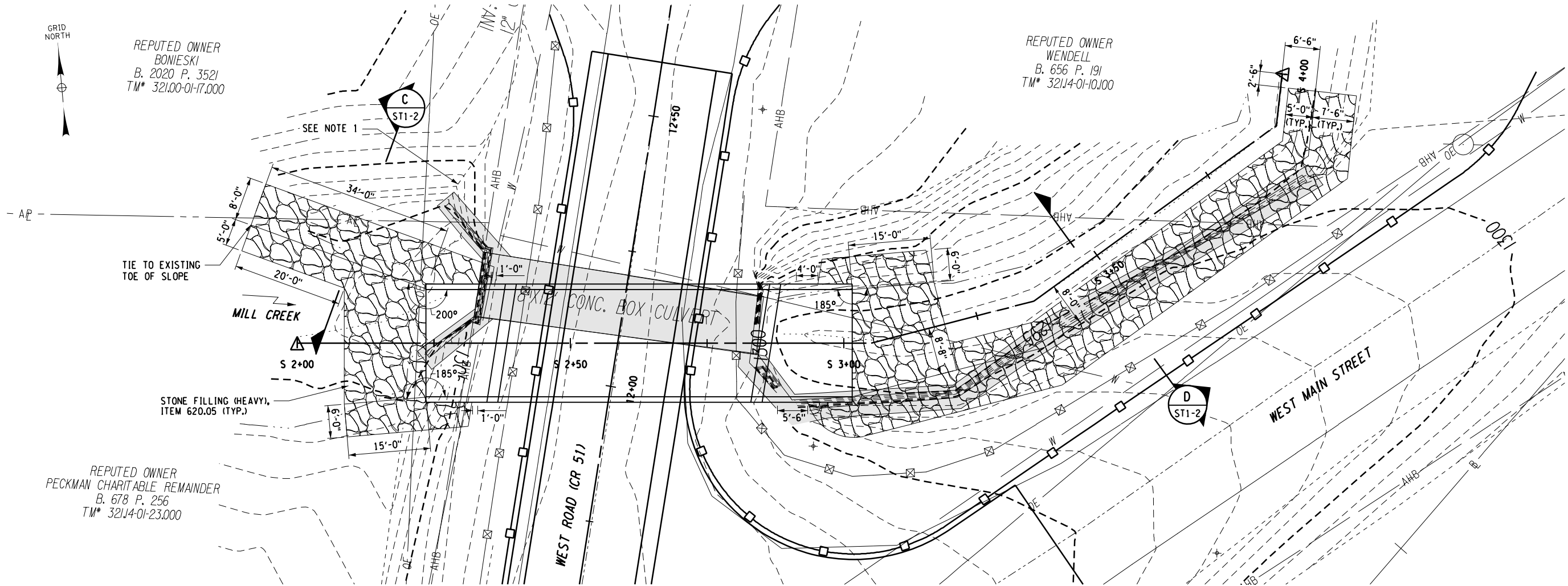
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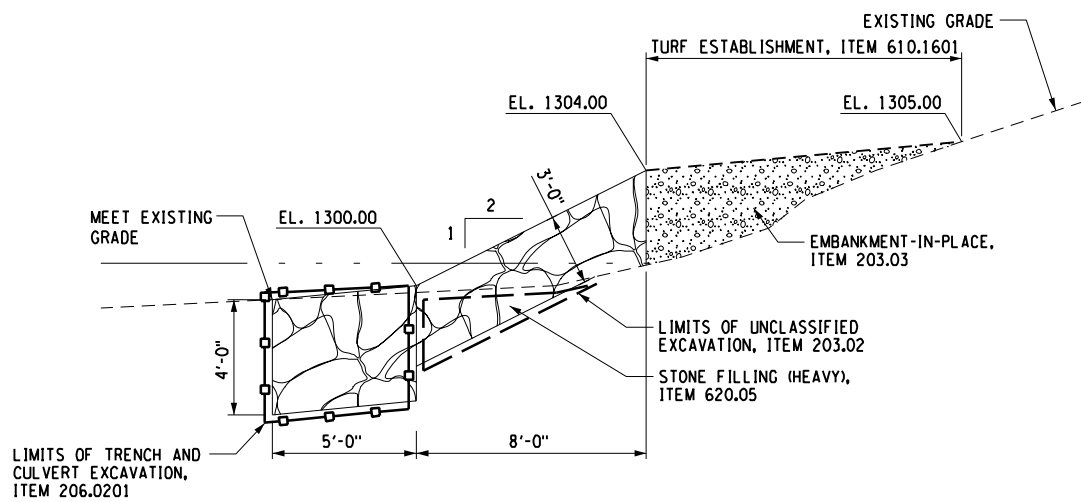
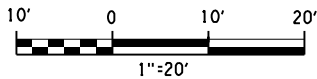
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PECKMAN CHARITABLE REMAINDER
B. 678 P. 256
TM# 32114-01-23.000

REPUTED OWNER
BONIESKI
B. 2020 P. 3521
TM# 32100-01-17.000

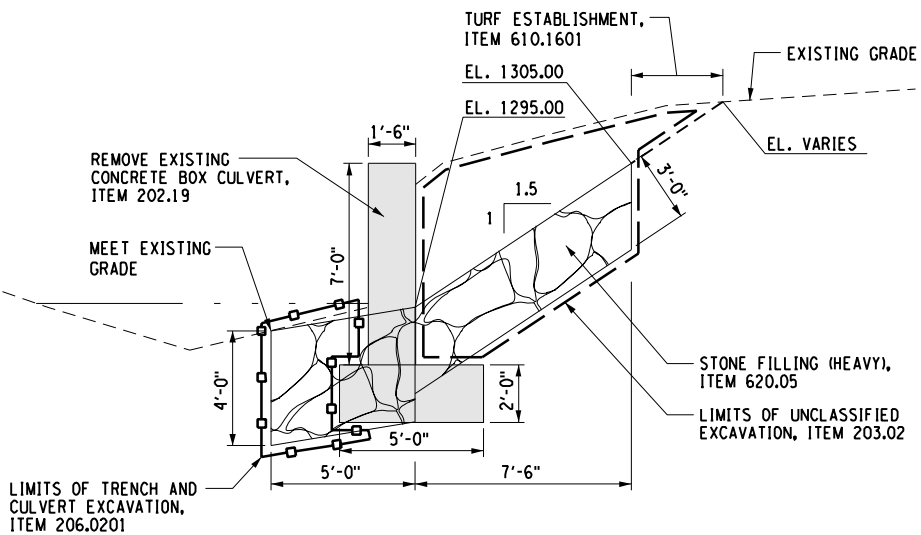
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WENDELL
B. 656 P. 191
TM# 32114-01-10.100



STONE BANK PROTECTION PLAN
SCALE: 1" = 20'



SECTION C
NTS
ST1-2



SECTION D
NTS
ST1-2

REPLACEMENT OF WEST ROAD CULVERTS
OVER MILL CREEK & MILL CREEK TRIB.
TOWN OF TURIN
LEWIS COUNTY

STONE BANK
PROTECTION PLAN

SCALE: AS SHOWN
DATE ISSUED: 04 / 2023
DRAWING
ST1-2



LEWIS COUNTY
HIGHWAY DEPARTMENT

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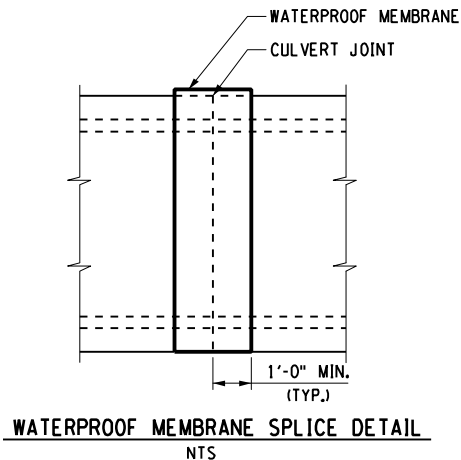
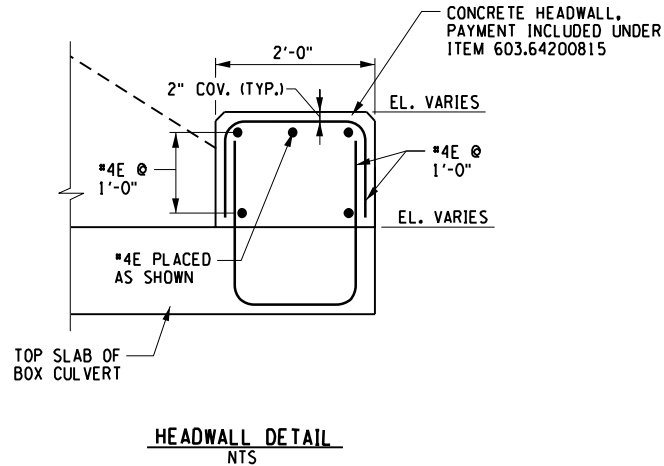
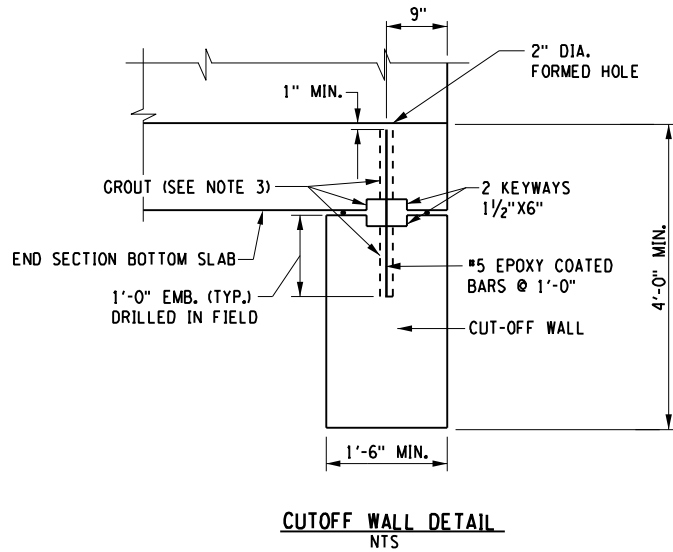
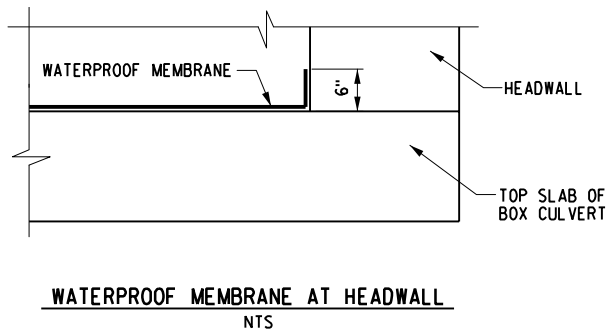
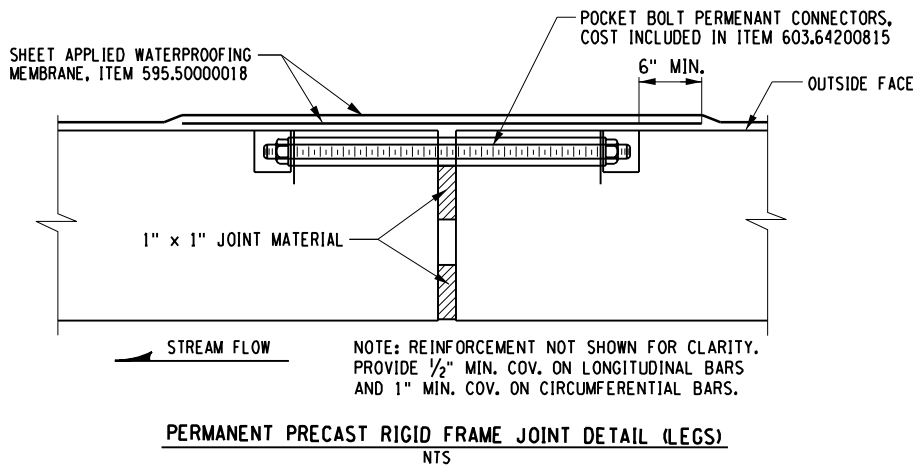
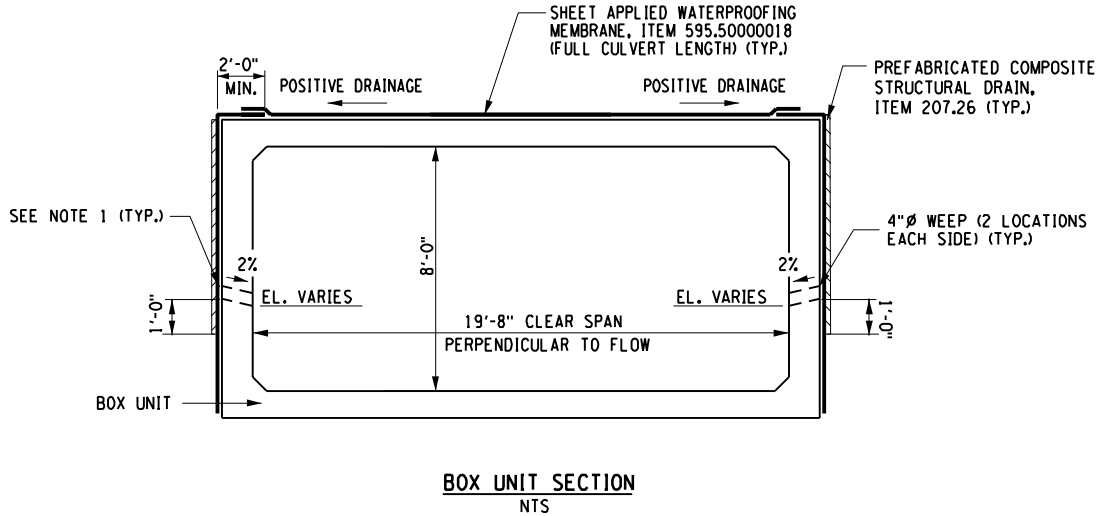
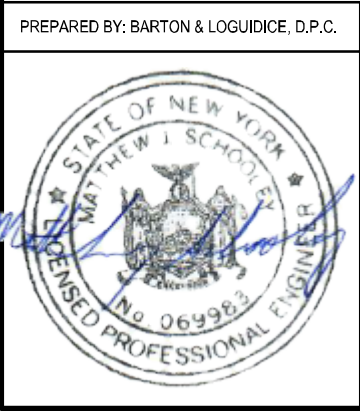
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IN CHARGE OF MJS DESIGNED BY MJS/ZPD/GRW CHECKED BY MJS/ZPD/GRW DRAFTED BY ZPD/NLP CHECKED BY MJS/GRW



- NOTES:
- CONTRACTOR SHALL CUT WATERPROOFING MEMBRANE AND PREFABRICATED COMPOSITE STRUCTURAL DRAIN AT THE WEEPHOLE LOCATIONS. THE GEOTEXTILE FILTER COMPONENT OF THE STRUCTURAL DRAIN SHALL NOT BE CUT.
 - EACH JOINT BETWEEN PRECAST CONCRETE BOX CULVERT UNITS SHALL BE COVERED WITH A LAYER OF WATERPROOFING MEMBRANE. PER THE MEMBRANE SPLICE DETAIL, THE ENTIRE TOP SURFACE OF THE CULVERT AND THE EXTERIOR FACES OF THE VERTICAL LEGS SHALL THEN BE COVERED WITH WATERPROOFING MEMBRANE.
 - DOWEL BARS USED TO ATTACH THE CUT-OFF WALL TO THE BOX CULVERT SHALL BE DRILLED AND GROUTED PER THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 586 EXCEPT THE GROUT SHALL MEET THE REQUIREMENTS OF 701-06. THE KEYWAY SHALL BE GROUTED WITH THE SAME MATERIAL AS THE DOWEL HOLE.

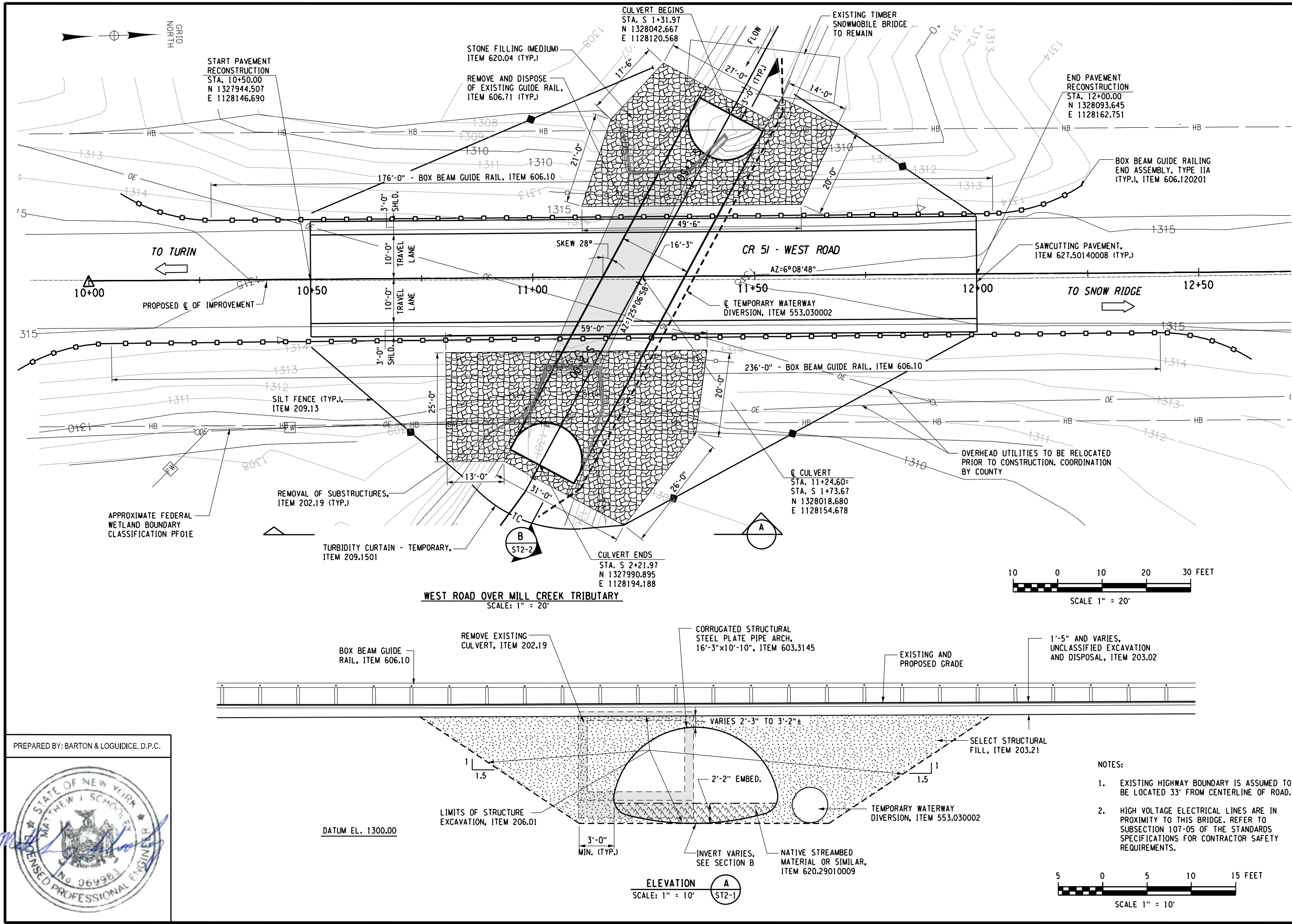
REPLACEMENT OF WEST ROAD CULVERTS	OVER MILL CREEK & MILL CREEK TRIB.	TOWN OF TURIN	LEWIS COUNTY
CULVERT DETAILS			
SCALE: AS SHOWN			
DATE ISSUED: 04 / 2023			
DRAWING			
ST1-3			



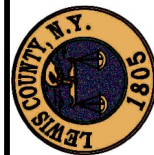
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REPLACEMENT OF WEST ROAD CULVERTS

OVER MILL CREEK & MILL CREEK TRIB.

TOWN OF TURIN

LEWIS COUNTY

CULVERT PLAN AND ELEVATION

SCALE: AS SHOWN

DATE ISSUED: 04 / 2023

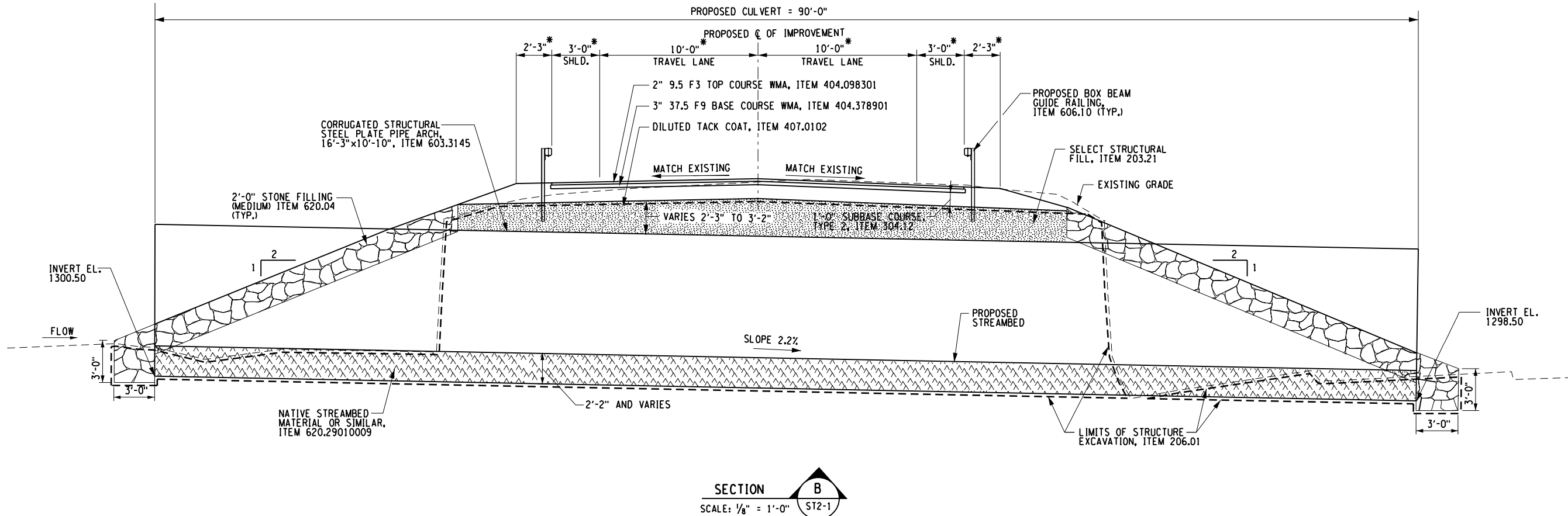
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ST2-1

IN CHARGE OF MJS DESIGNED BY NJS/ZPD/GRW CHECKED BY ZPD/MJS DRAFTED BY ZPD/NLP CHECKED BY MJS/GRW

* : MEASURED PERPENDICULAR
TO CENTERLINE OF ROAD

PREPARED BY: BARTON & LOGUIDICE, D.P.C.



REPLACEMENT OF WEST ROAD CULVERTS	
OVER MILL CREEK & MILL CREEK TRIB.	
TOWN OF TURIN	
LEWIS COUNTY	
CULVERT SECTION	
SCALE: AS SHOWN	
DATE ISSUED: 04 / 2023	
DRAWING	
ST2-2	

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