

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.202	REMOVING PAVEMENT SURFACE	125	SY
203.20	COMMON EXCAVATION	20	CY
203.24	COMMON BORROW	4	CY
203.25	GRANULAR BORROW	15	CY
206.082	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	34	CY
304.10	AGGREGATE SUBBASE COURSE GRAVEL	12	CY
403.208	HOT MIX ASPHALT, 12.5 MM SURFACE	10	T
403.213	HOT MIX ASPHALT, 12.5 MM (BASE & INTERMEDIATE)	12	T
409.15	BITUMINOUS TACK COAT	70	GAL
502.21	STRUCTURAL CONCRETE, ABUTMENTS, AND RETAINING WALLS	30	CY
503.12	REINFORCING STEEL, FABRICATED AND DELIVERED	900	LB
503.13	REINFORCING STEEL, PLACING	900	LB
514.06	CURING BOX FOR CONCRETE CYLINDERS	1	EA
526.301	TEMPORARY CONCRETE BARRIER, TYPE 1 (80 LF)	1	LS
527.34	WORK ZONE CRASH CUSHIONS	1	UNIT
606.366	GUARDRAIL, REMOVE AND RESET TYPE 3C	25	LF
615.07	LOAM	7	CY
618.14	SEEDING METHOD NUMBER 2	1	UN
619.12	MULCH	1	UN
629.05	HAND LABOR, STRAIGHT TIME	40	HR
631.10	AIR COMPRESSOR	20	HR
631.11	AIR TOOL	20	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.133	SKID STEER (INCLUDING OPERATOR)	10	HR
631.172	TRUCK, LARGE (INCLUDING OPERATOR)	10	HR
643.72	TEMPORARY TRAFFIC SIGNAL	1	LS
652.33	DRUM	25	EA
652.34	CONE	25	EA
652.35	CONSTRUCTION SIGNS	160	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES (21 CD)	1	LS
652.38	FLAGGERS	80	HR
652.41	PORTABLE CHANGEABLE MESSAGE SIGNS	2	EA
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

- All Utility Facilities shall be adjusted by the respective Utilities unless otherwise noted.
- Place a 2' wide strip of Temporary Erosion Control Blanket on the side slopes behind the Wingwalls.
- Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>.
- The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.
- Quantities included for pay items measured and paid for by the Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:
 - If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of items, will take precedence.
 - If other Contract Documents specifically allow a change in payment for the Lump Sum pay item, those requirements will be followed.
 - If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation.
- Place Loam 2 inches deep, mulch, and seeding method #2 on all new or reconstructed side slopes or as directed by the Resident.
- Place pavement to within 1 inch of face of existing guardrail. Where guardrail is removed, place pavement a minimum of 2 feet behind the face of guardrail, taper pavement behind guardrail to face of guardrail over a length of 5 feet.
- Guardrail removed for the Contractor's convenience will not be measured separately and replacement/reinstallation thereof will be considered incidental to the related Contract items. No separate payment shall be made.
- Class A concrete infill may be backfilled upon reaching 24 hour field cure - or 1000 psi compressive strength based on field cured cylinders. Additional wet cure is not required upon completion of backfilling.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21744.00

BRIDGE NO. 2862
BRIDGE PLANS

SIGNATURE

P.E. NUMBER

DATE

DATE	BY
SEPT 2018	PM
SEPT 2018	ETC

PROJ. MANAGER J. STILWELL

DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN-DETAILED2
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

ROUTES 27 & 126 BRIDGE #2862
OVER TOGUS STREAM
PITTSSTON KENNEBEC COUNTY

ESTIMATED QUANTITIES &
GENERAL CONSTRUCTION NOTES

SHEET NUMBER

2

OF 5

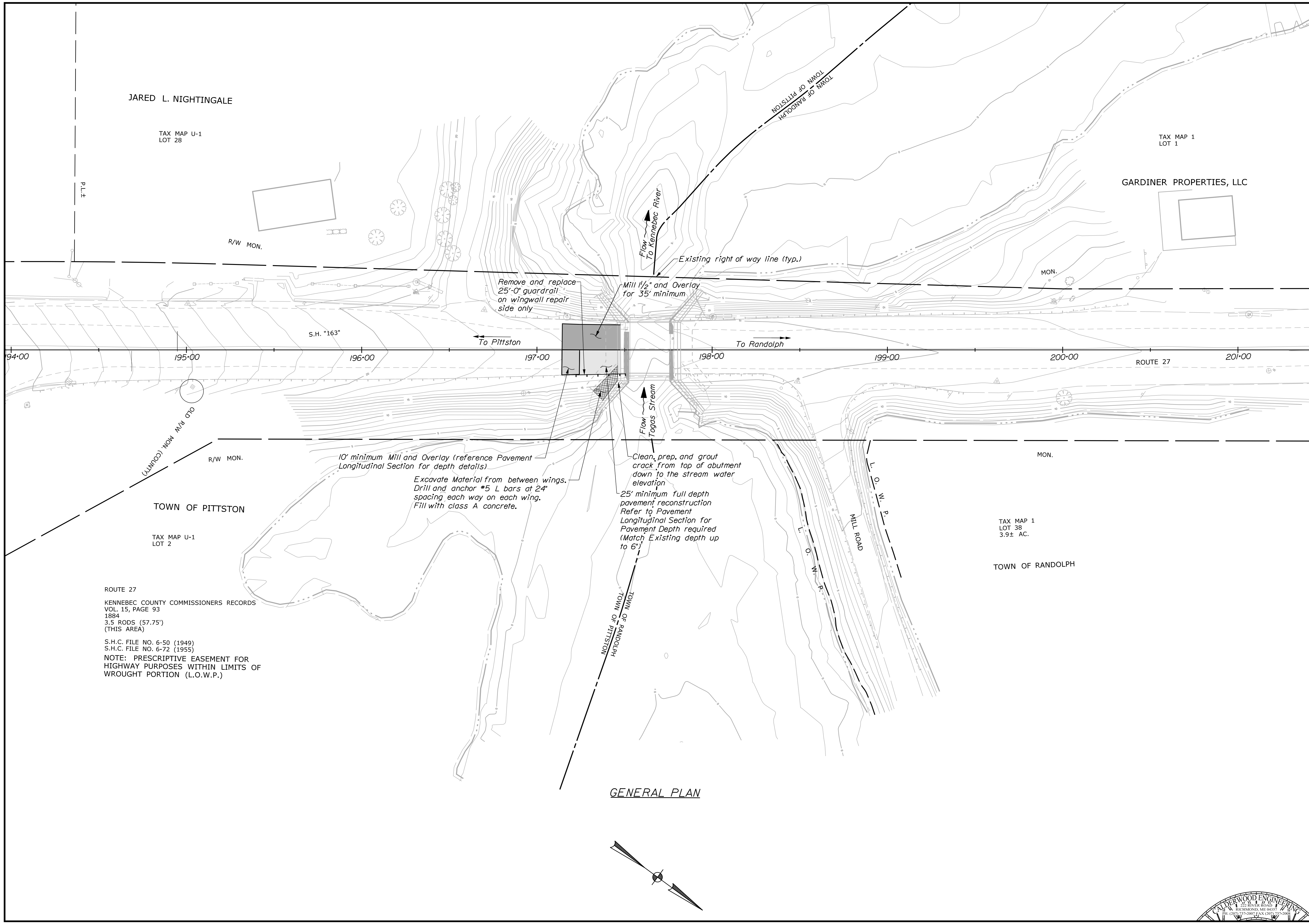


Date: 11/6/2018

Username: Eric

Division: HIGHWAY

Filename: ... \PSE\Final Plans\003_BDP\plan.dgn



ROUTE 27
 KENNEBEC COUNTY COMMISSIONERS RECORDS
 VOL. 15, PAGE 93
 1884
 3.5 RODS (57.75')
 (THIS AREA)
 S.H.C. FILE NO. 6-50 (1949)
 S.H.C. FILE NO. 6-72 (1955)
 NOTE: PRESCRIPTIVE EASEMENT FOR
 HIGHWAY PURPOSES WITHIN LIMITS OF
 WROUGHT PORTION (L.O.W.P.)

GENERAL PLAN

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		WIN 21744.00		BRIDGE NO. 2862		BRIDGE PLANS	
SIGNATURE		P.E. NUMBER		DATE			
PROJ. MANAGER	J. STILWELL	BY	PAM	DATE	SEPT 2018		
DESIGN DETAILED	PAM	ETC	ETC	DESIGN REVIEWED	ETC		
DESIGNS DETAILED	ETC	DESIGNS DETAILED	ETC	REVISIONS 1			
		REVISIONS 2		REVISIONS 3			
		REVISIONS 4		FIELD CHANGES			
ROUTES 27 & 126 BRIDGE #2862 OVER TOGUS STREAM PITTSTON KENNEBEC COUNTY GENERAL PLAN				SHEET NUMBER			
				3			
				OF 5			

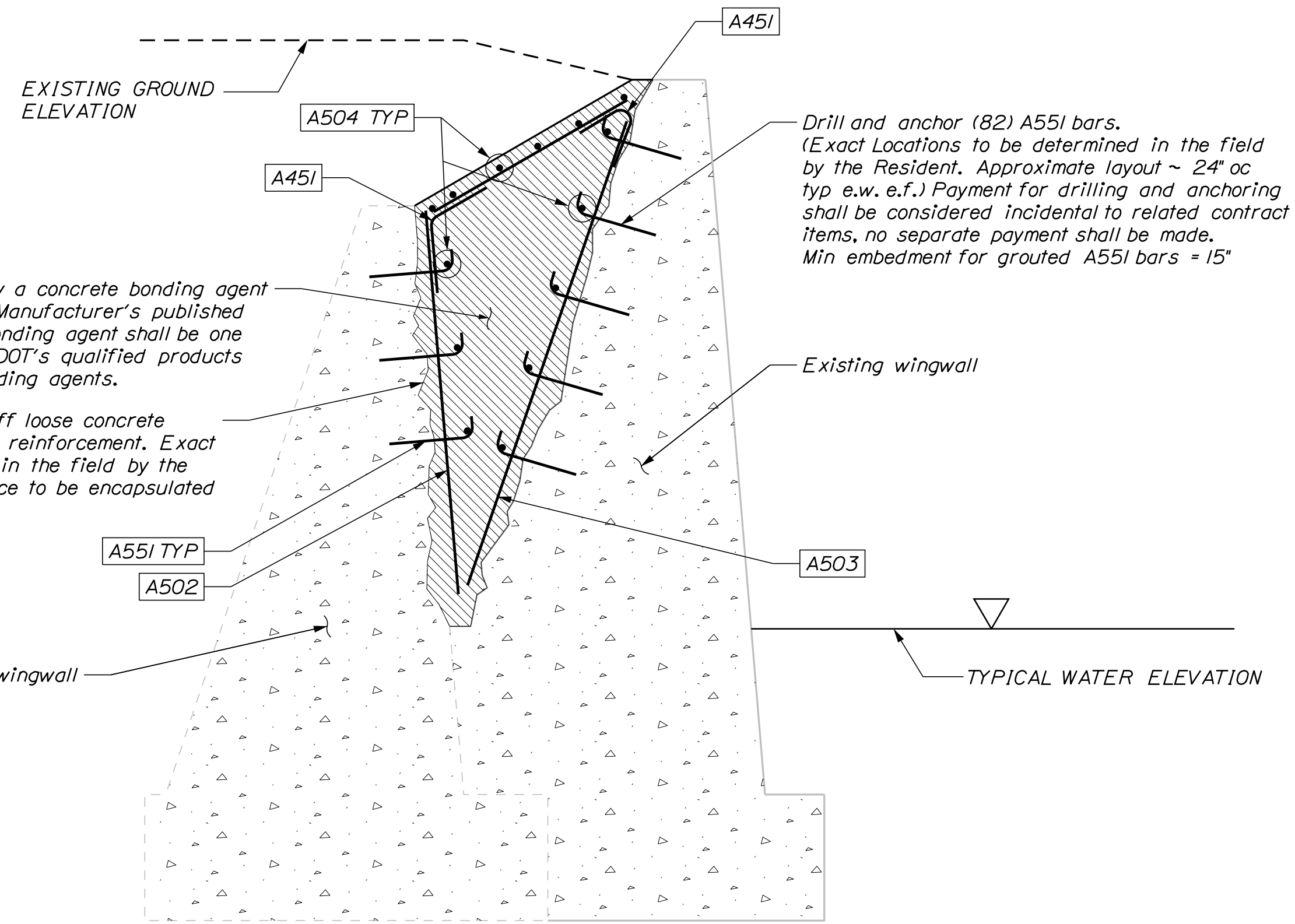


Date: 11/6/2018

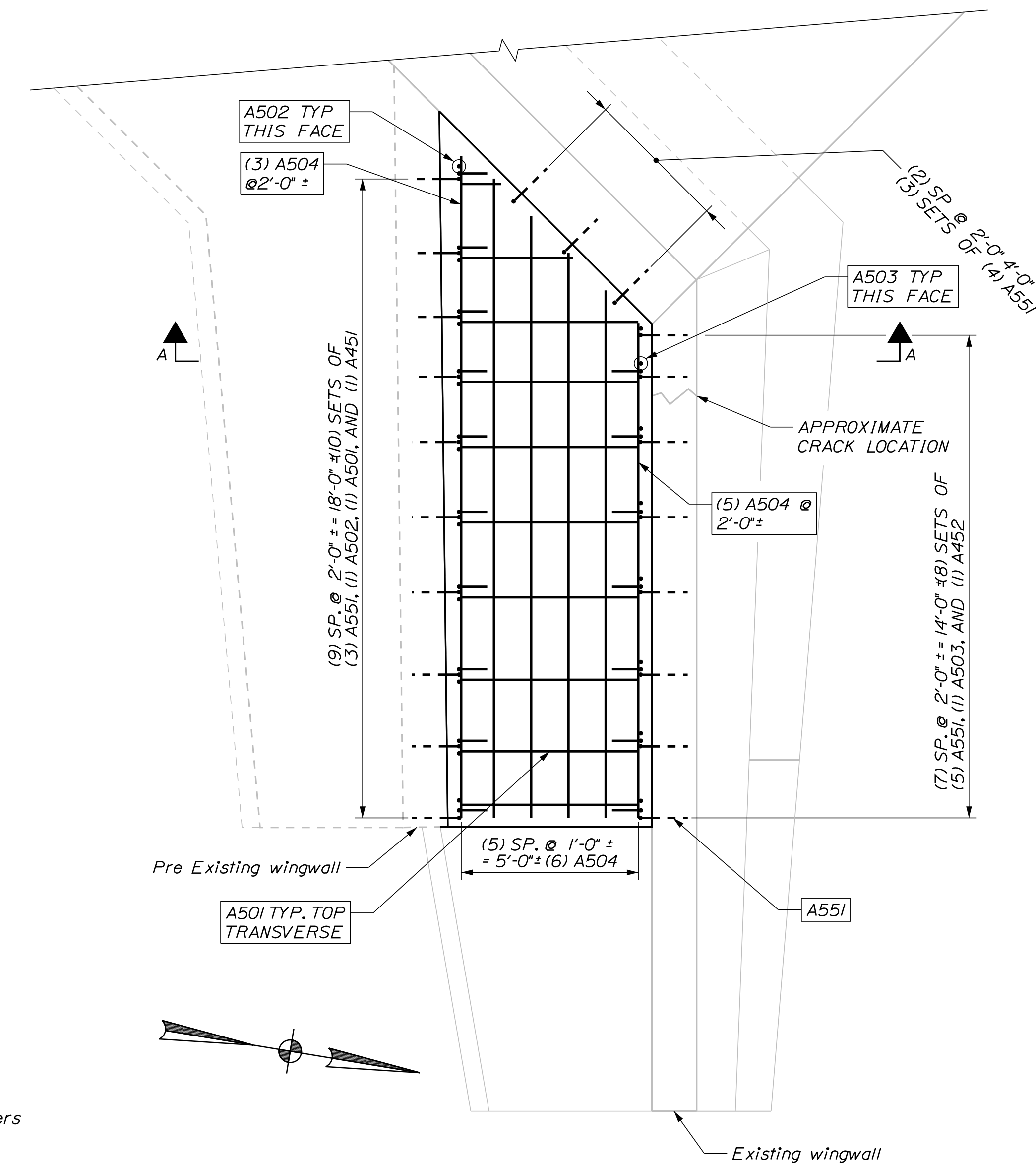
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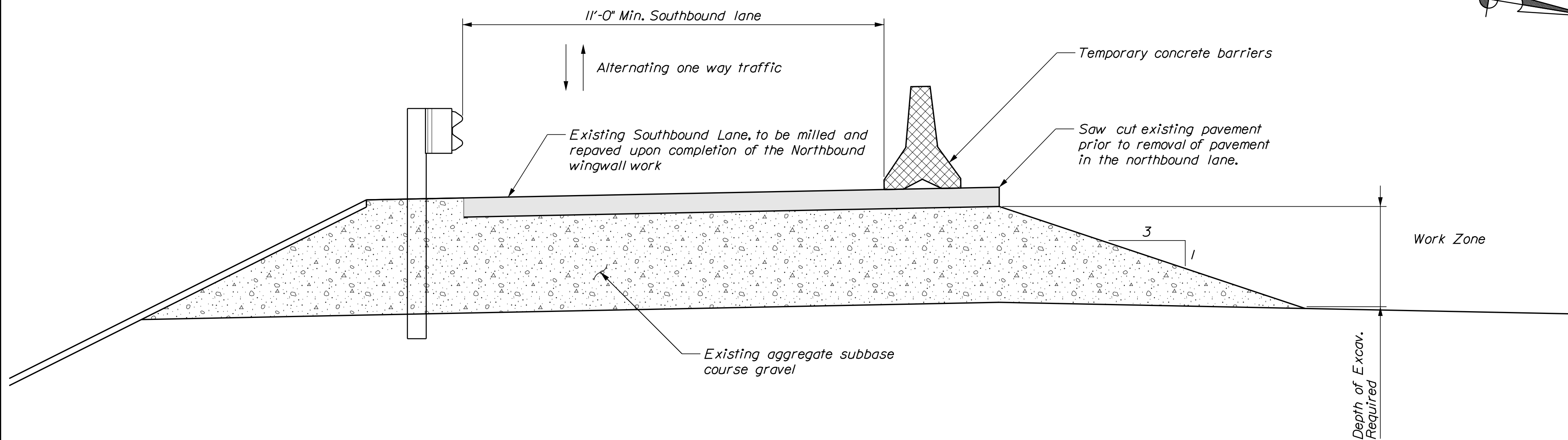
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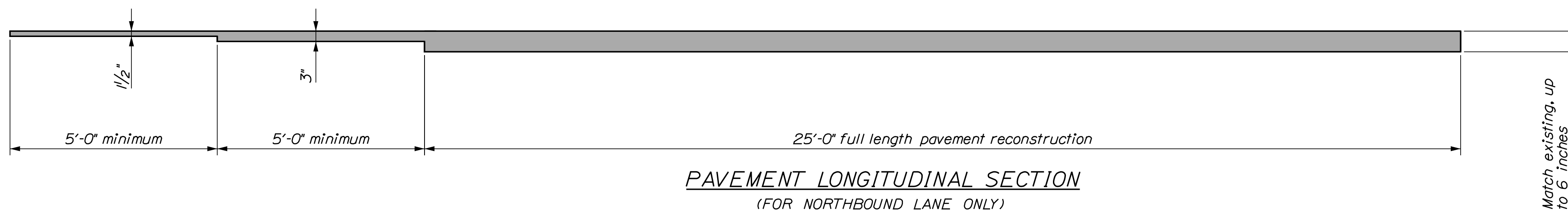
SECTION A-A OF WING REPAIR



PLAN OF WING REPAIR



CONSTRUCTION STAGING SECTION



PAVEMENT LONGITUDINAL SECTION (FOR NORTHBOUND LANE ONLY)

WINGWALL NOTES

1. Reinforcing Steel shall have 2" cover minimum.
2. Abutments, Wings, and their Footings shall be backfilled with Granular Borrow. Pay limits will be the Structural Excavation Limits.
3. Concrete bonding agent and removal of loose concrete shall not be paid for directly but payment for them shall be considered incidental to related concrete items. Additional unsound concrete may be required to be removed at the direction of the Resident. Payment for removal of unsound concrete shall be made under the appropriate Hand Labor, and tool rental items.
4. Grouting of existing crack on the exterior of the wingwall shall be done to the stream elevation, below water grouting work will not be required. The following procedure shall be used:
 1. Existing crack will be thoroughly cleaned of loose material and debris.
 2. Existing crack will be thoroughly saturated with potable water prior to grouting.
 3. Grout from MaineDOT's Qualified Grout Products list shall be used in accordance with the Manufacturer's published recommendations.
 4. Curing shall be done as per the Manufacturer's published recommendations

Payment for preparation, installation, and curing of grout including all materials, labor and equipment required for such installation shall not be paid for directly but shall be considered incidental to related contract items.

STATE OF MAINE
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WIN 21744.00
WIN
021744.00
BRIDGE NO. 2862
BRIDGE PLANS

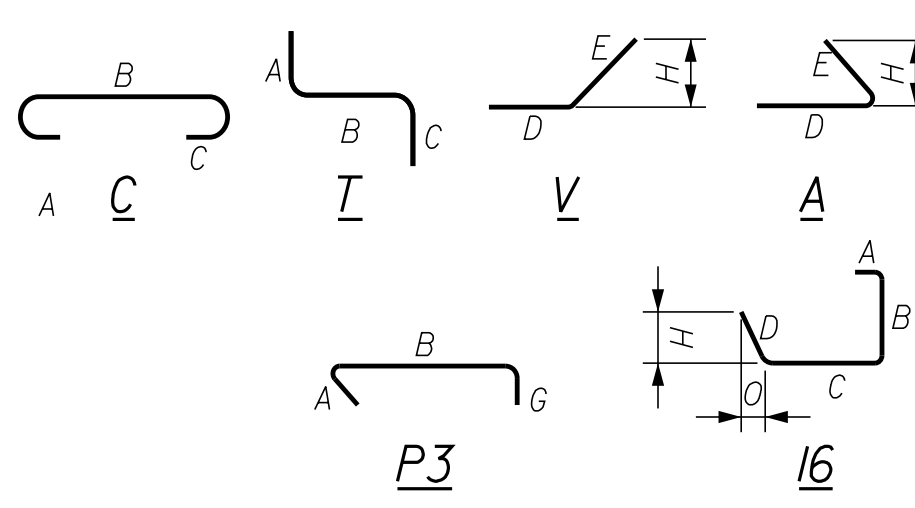
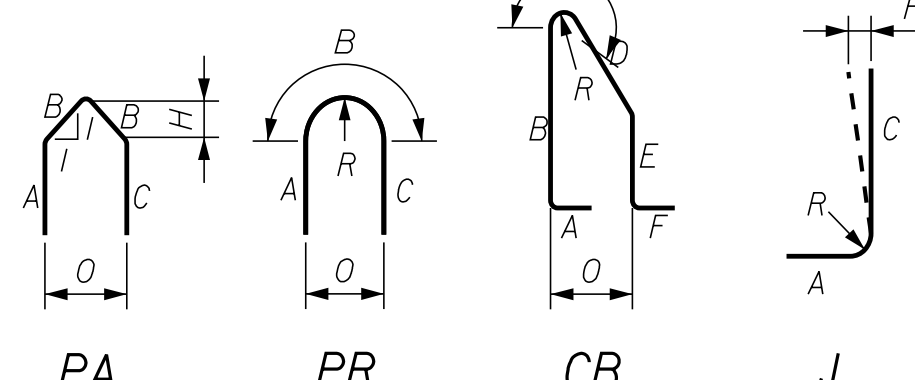
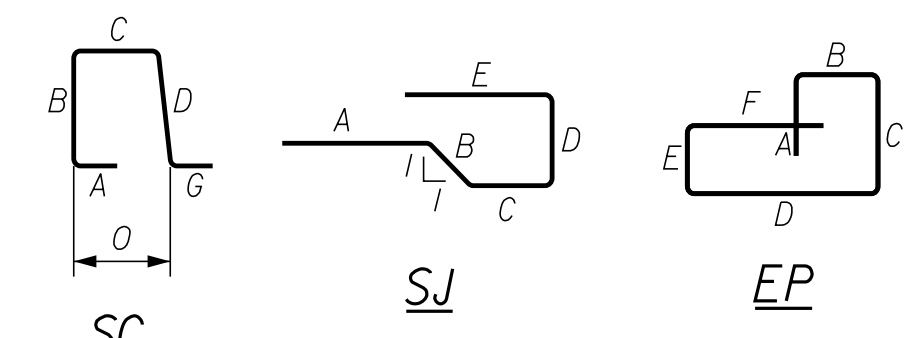
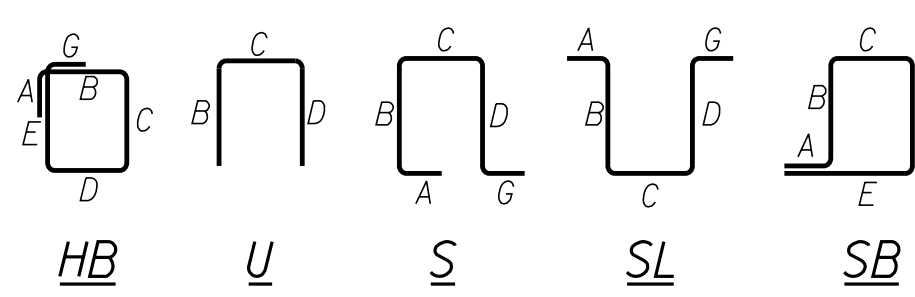
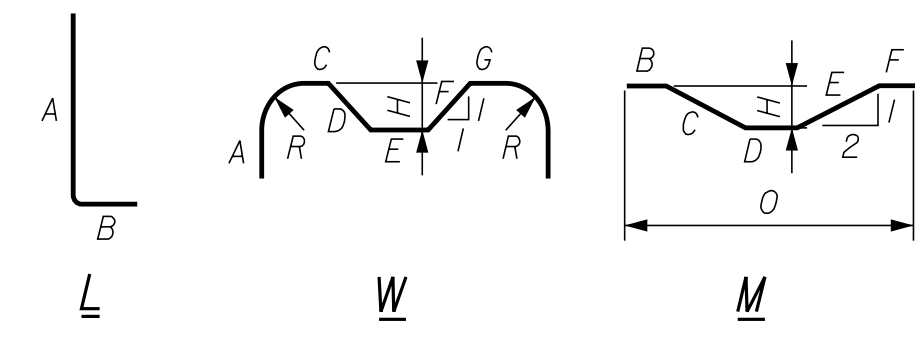
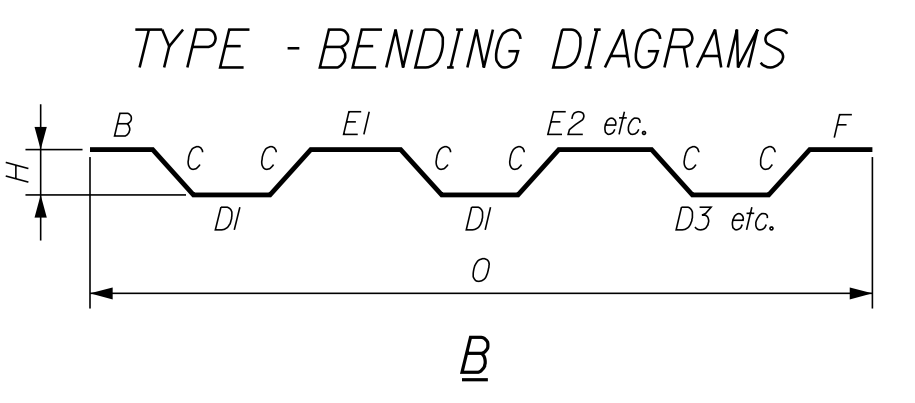
PROJ. MANAGER	J. STILWELL	BY	DATE
DESIGN-DETAILED	PAM	PAM	SEPT 2018
CHECKED-REVIEWED	ETC	ETC	SEPT 2018
DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

ROUTES 27 & 126 BRIDGE #2862
OVER TOGUS STREAM
PITTSBON KENNEBEC COUNTY
REPAIR DETAILS

SHEET NUMBER
4
OF 5



STRAIGHT BARS				BENT BARS																			
MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION	
Southeast Wingwall				Southeast Wingwall																			
A501	10	6' - 6"	Transverse bars btw wings	A451	10	3' - 0"	V									1'-6"	1'-6"					1'-4 1/2"	Adjacent to preexisting wingwall
A502	10	9' - 0"	Vert. Adj. to preexisting wingwall	A452	8	3' - 0"	A									1'-6"	1'-6"					1'-2 3/4"	Adjacent to existing wingwall
A503	8	13' - 0"	Vert. Adj. to existing wingwall	A551	82	2' - 7"	L	1'-9"	0'-10"														Drilled and anchored L bars
A504	14	18' - 6"	Long bars parallel with the wing																				



- FIELD ADJUSTMENT NOTES:**
- BAR MARKS A451 AND A452 ARE TO HAVE THEIR BENDS ADJUSTED IN THE FIELD IN ORDER TO MATCH THE ANGLE REQUIRED AT THE INSTALLATION LOCATION
 - BAR MARKS A501, A502, A503, AND A504 ARE TO BE CUT IN THE FIELD AS REQUIRED
 - NO DEDUCTION IN PAY QUANTITY WILL BE MADE FOR THE SHORTER BARS AS A RESULT OF FIELD CUTTING
 - PAYMENT FOR FIELD CUTTING AND FIELD BENDING WILL BE CONSIDERED INCIDENTAL TO RELATED CONTRACT ITEMS, NO SEPARATE PAYMENT SHALL BE MADE.

All dimensions are out-to-out of bar.
 Bending details and hooks shall conform to the recommendations of the current revision of ACI Standard 315 and ACI Standard 318.
 Reinforcing Bar: ASTM A 615/A 615M, Grade 60

GENERAL NOTES

1. The first two digits following the letter(s) of the mark indicate the size of the bar:

Mark "A502" = bar size #5
 Mark "P805" = bar size #8
 Mark "S650" = bar size #6

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		WIN 21744.00		BRIDGE NO. 2862		WIN		021744.00		BRIDGE PLANS	
PROJ. MANAGER		DATE		BY		SIGNATURE		P.E. NUMBER		DATE	
DESIGN DETAILED		SEPT 2018		J. STILWELL		PAM		PAM		SEPT 2018	
CHECKED-REVIEWED		SEPT 2018		ETC		ETC		ETC		ETC	
DESIGNS DETAILED		DESIGNS DETAILED		DESIGNS DETAILED		DESIGNS DETAILED		DESIGNS DETAILED		DESIGNS DETAILED	
REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4		REVISIONS 1		REVISIONS 2	
REVISIONS 3		REVISIONS 4		REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	
ROUTES 27 & 126 BRIDGE #2862 OVER TOGUS STREAM				PITTSBURY KENNEBEC COUNTY				REBAR SCHEDULE			
SHEET NUMBER				5				OF 5			

