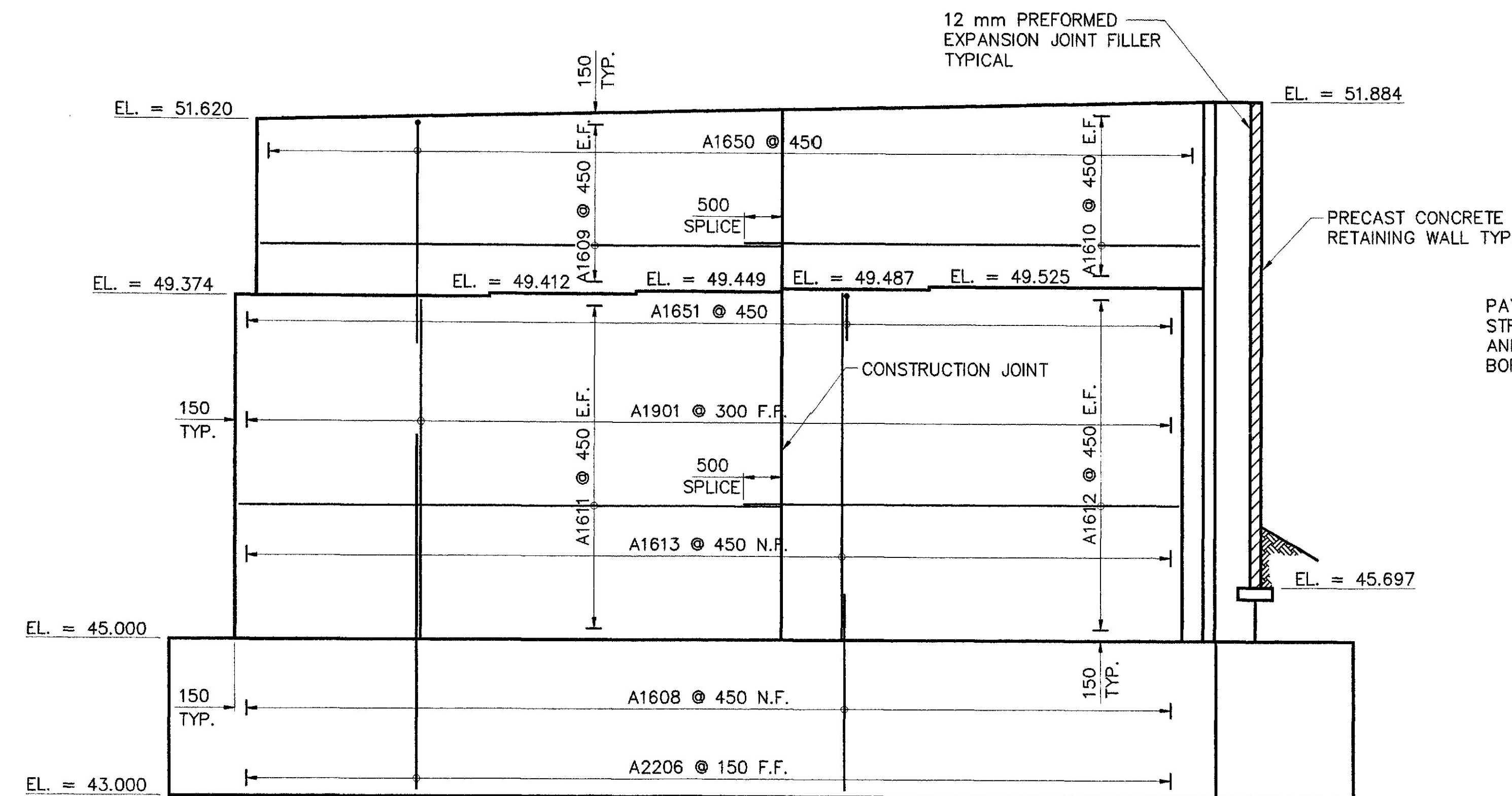


METRIC

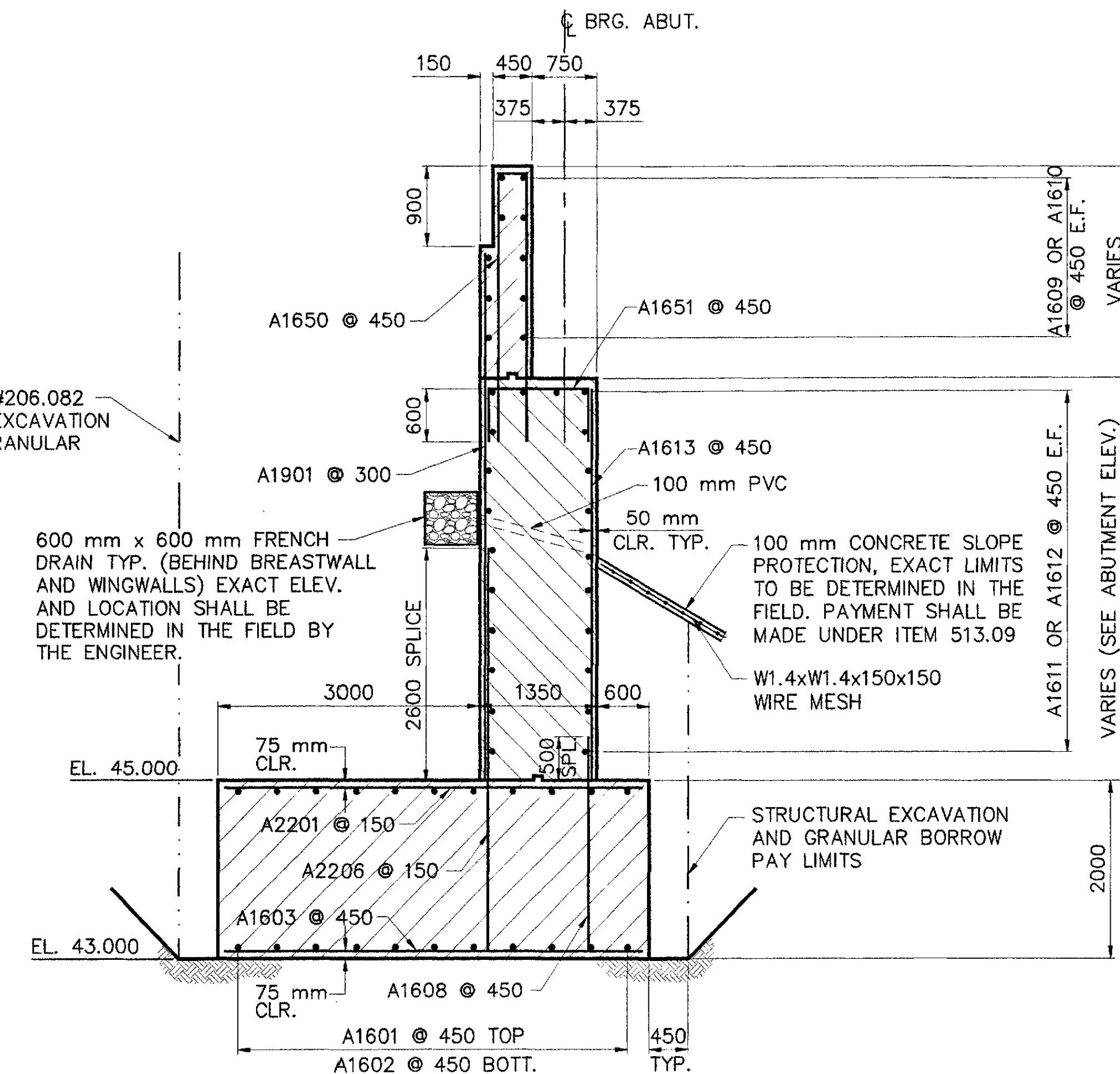
1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
MAINE	4926.000.00X	111	140

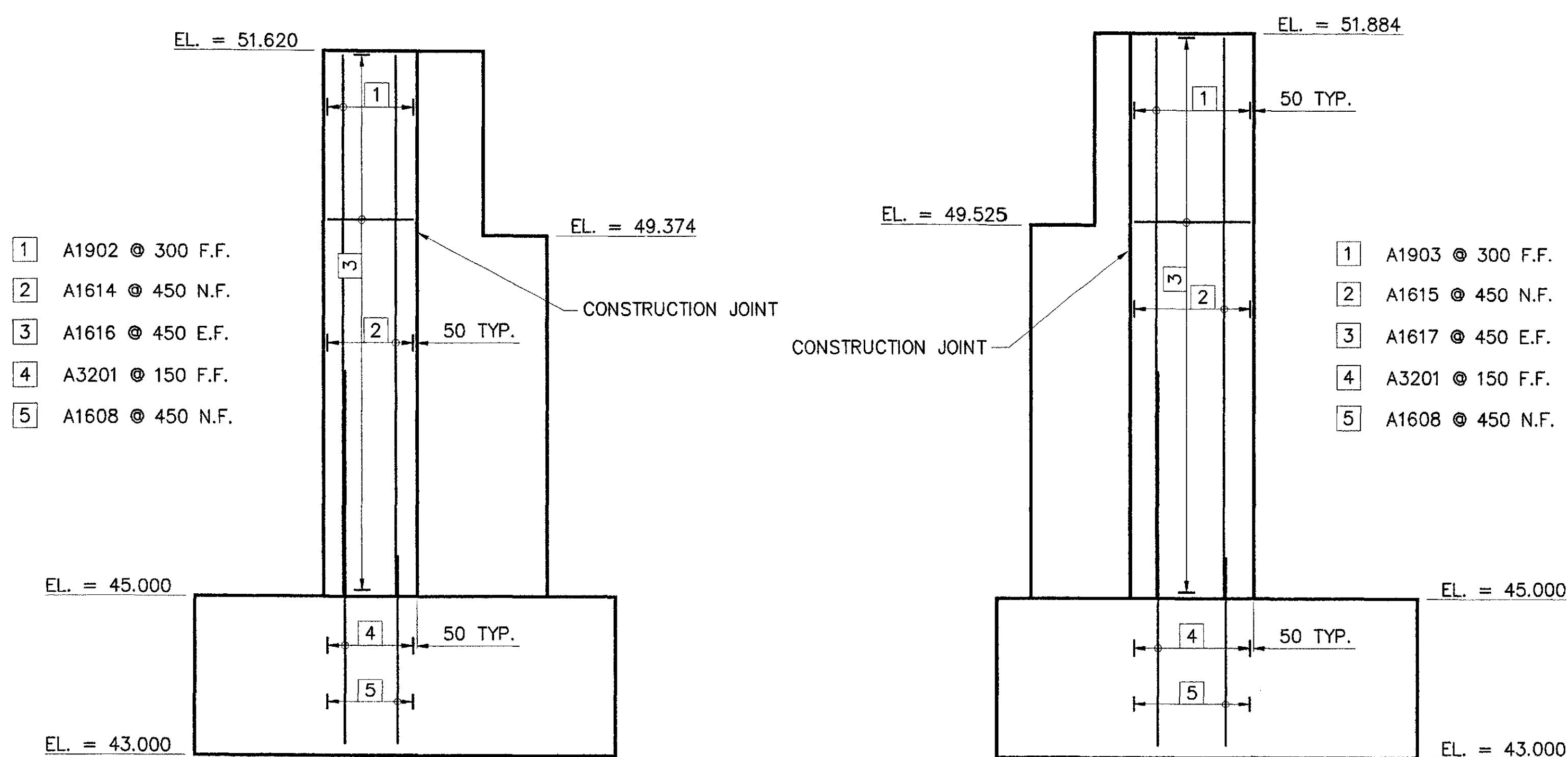
PN 004926.00



ABUTMENT ELEVATION

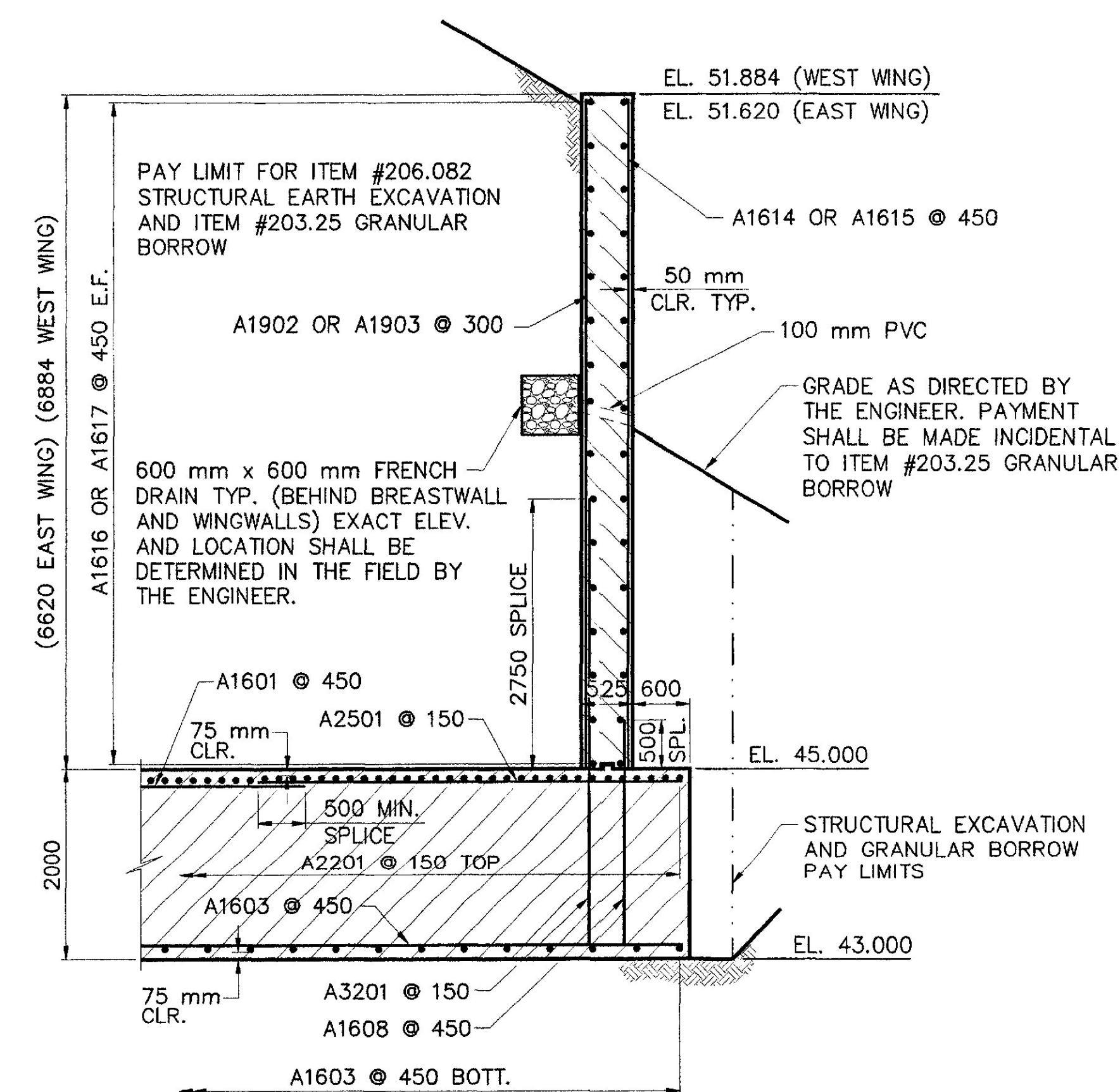


SECTION THRU BREASTWALL



EAST WINGWALL ELEVATION

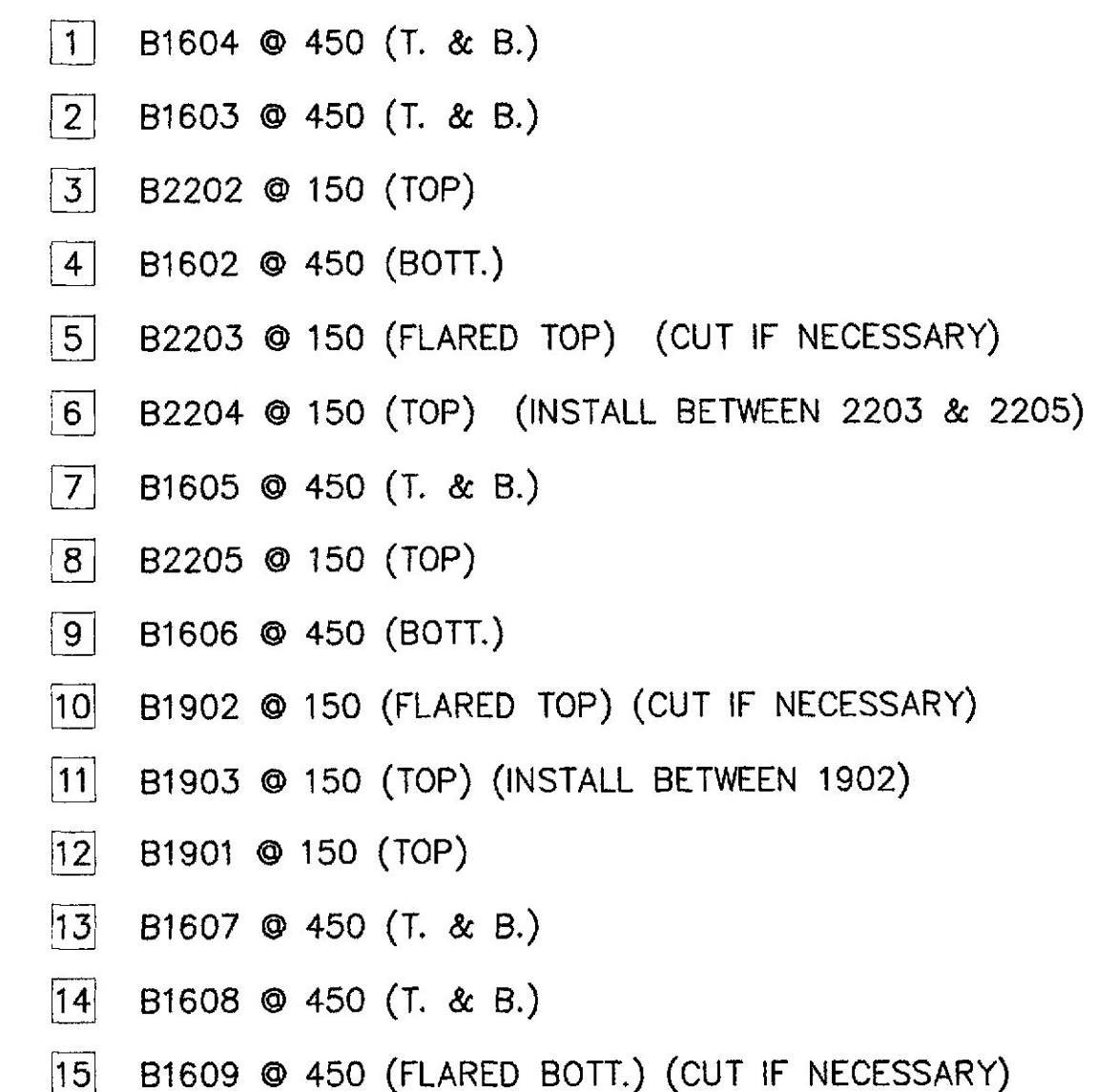
WEST WINGWALL ELEVATION



SECTION THRU WINGWALLS

BRIDGE NO. 6412
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STILLWATER INTERCHANGE
OVER
I-95 SOUTH BOUND
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY
WINGWALL ELEVATIONS
AND SECTION
SHEET 11 OF 24 AUGUSTA, MAINE FEBRUARY, 2000

PREPARED BY COFFIN ENGINEERING & SURVEYING, LLC
RR #7 BOX 887A AUGUSTA, MAINE 04330
TELEPHONE: 207-623-9475



ABUTMENT NO. 2 FOOTING PLAN

S.B. TRAFFIC

BRIDGE NO. 6412

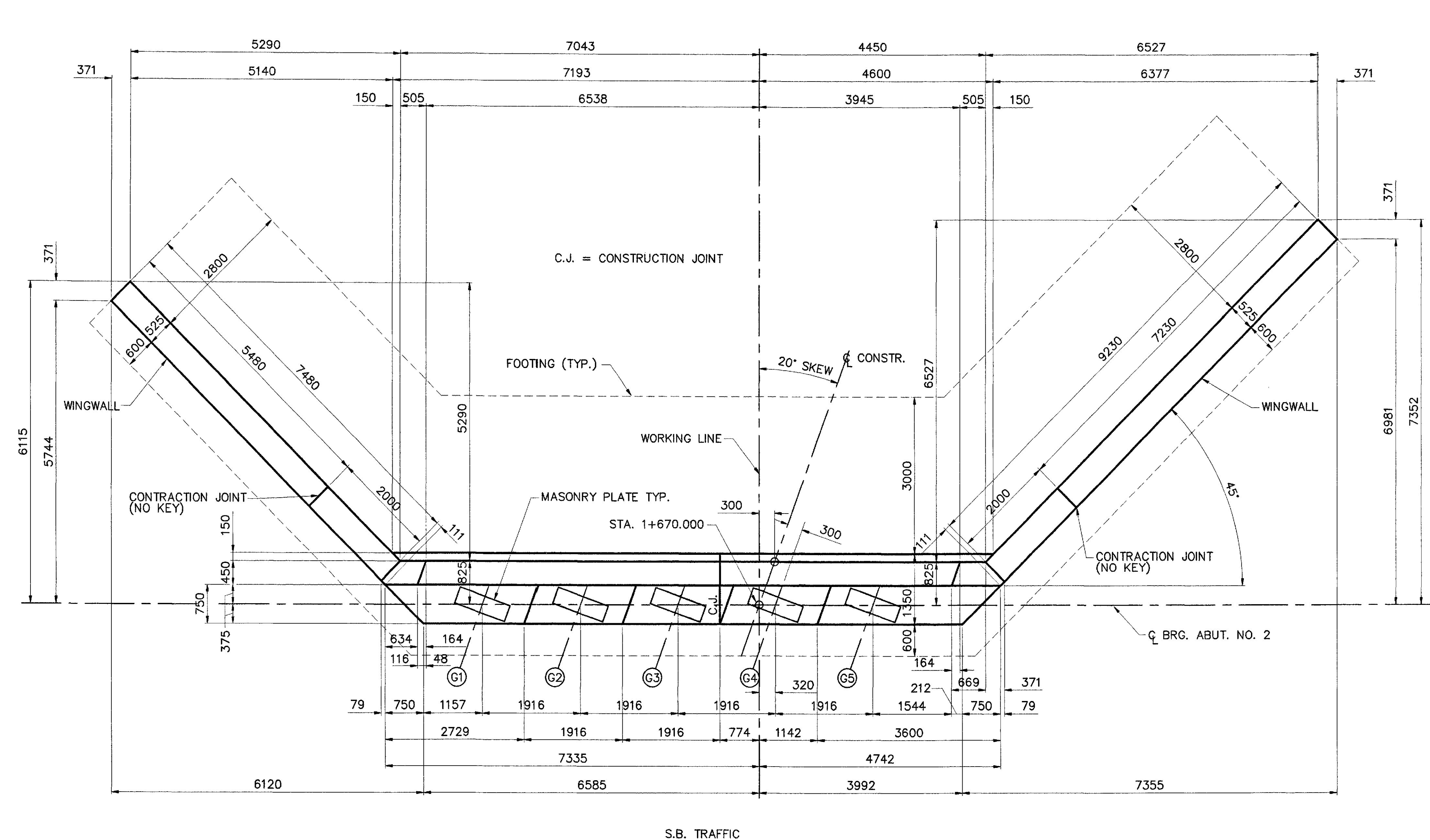
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STILLWATER INTERCHANGE
OVER
I-95 SOUTH BOUND
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY
FOOTING PLAN

PREPARED BY COFFIN ENGINEERING & SURVEYING, LLC
RR #7 BOX 887A AUGUSTA, MAINE 04330
TELEPHONE: 207-623-9475

SHEET 12 OF 24 AUGUSTA, MAINE FEBRUARY, 2000

DESIGN-DETAILED	HEC/ETCAWF	RJB	2/2000
CHECKED	ESC		2/2000
REVISIONS			
FIELD CHANGES			



ABUTMENT NO. 2 PLAN
SEE ABUTMENT NO. 2 FOOTING PLAN

DESIGN-Detailed	2/2000
CHECKED	2/2000
REVISIONS	
FIELD CHANGES	

BRIDGE NO. 6412

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STILLWATER INTERCHANGE
OVER
I-95 SOUTH BOUND
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY
ABUTMENT PLAN

PREPARED BY COFFIN ENGINEERING & SURVEYING, LLC
RR #7 BOX 887A AUGUSTA, MAINE 04330
TELEPHONE: 207-623-9475

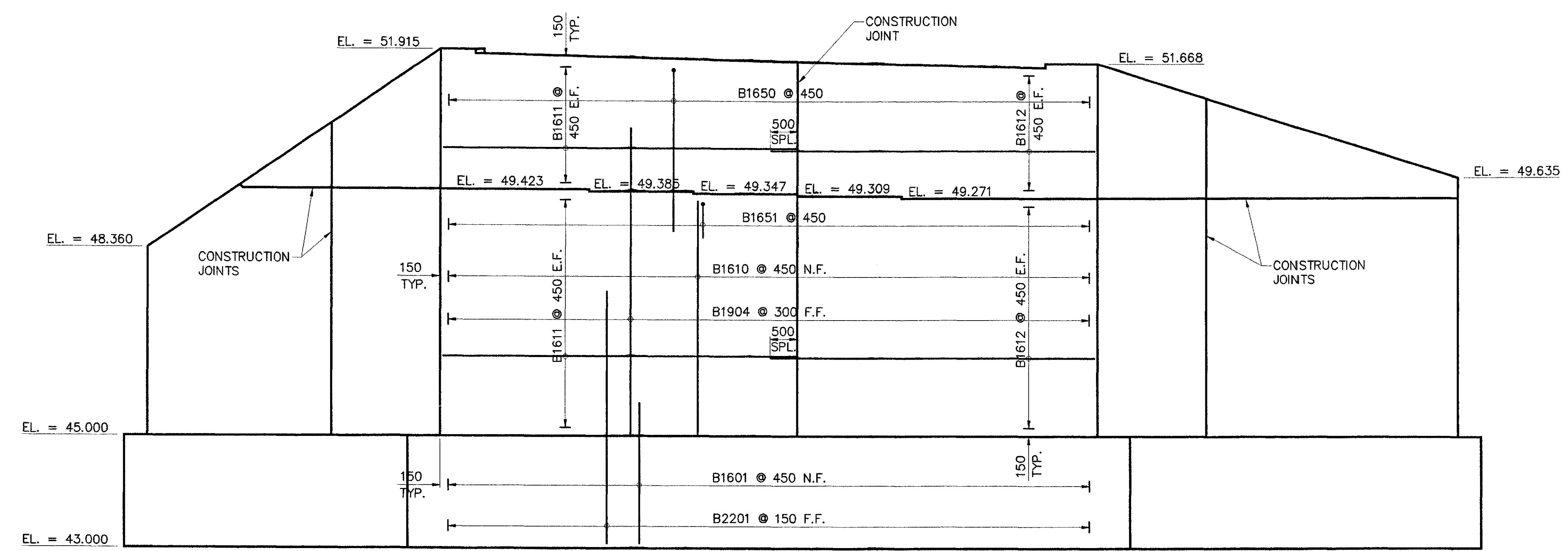
SHEET 13 OF 24 AUGUSTA, MAINE FEBRUARY, 2000

METRIC

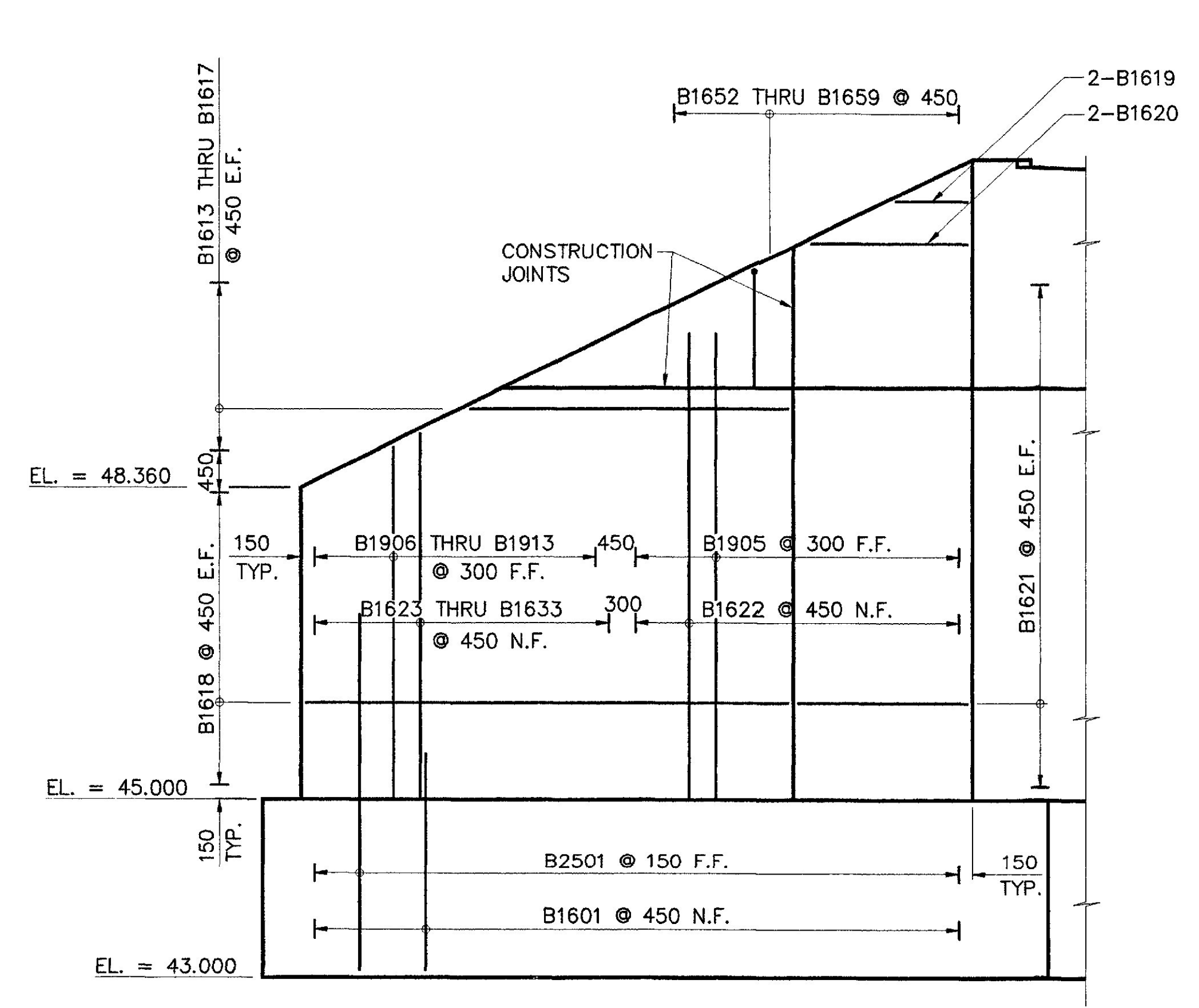
1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

FUND. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	4926.00000X	114	140

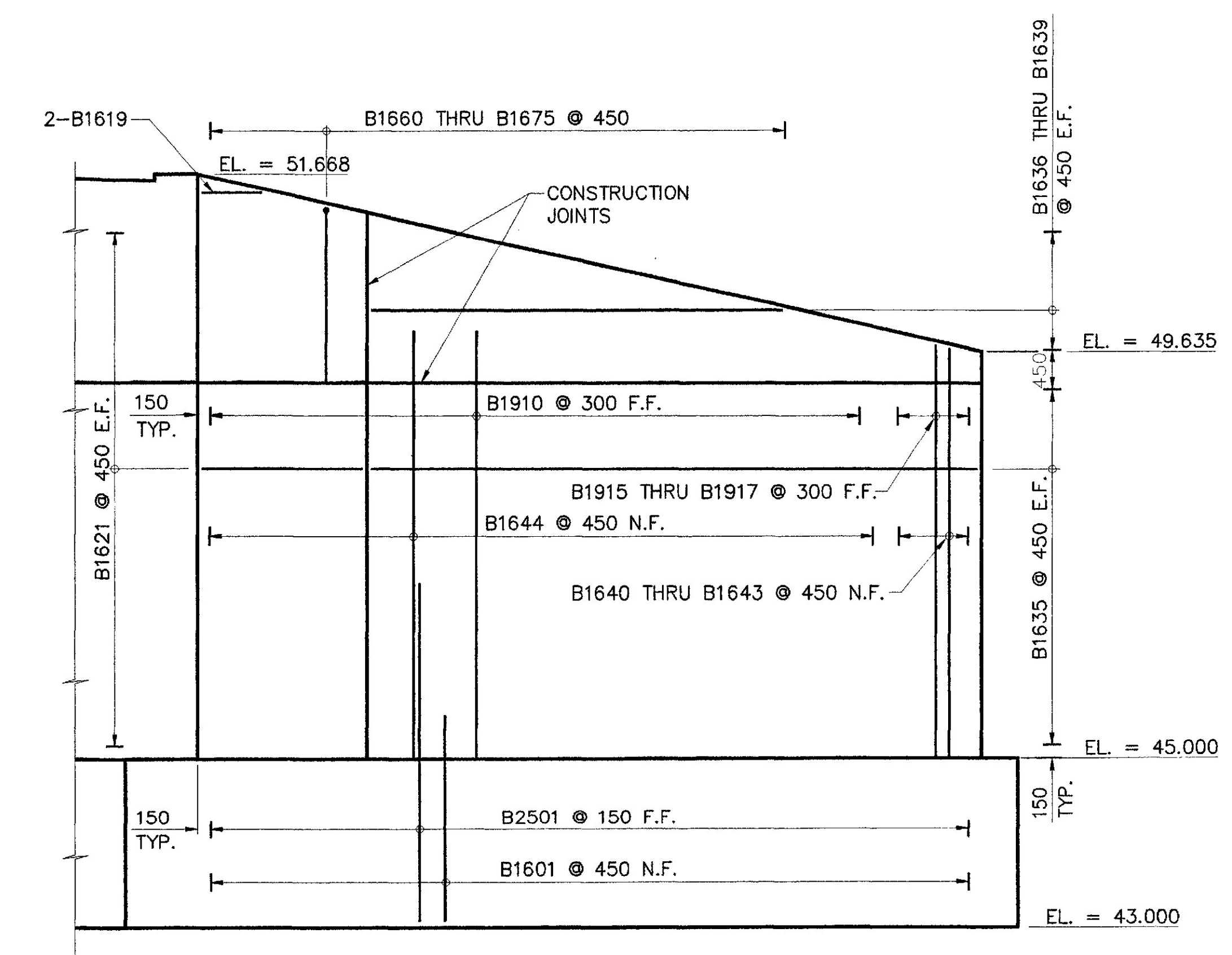
PIN 064926.00



ABUTMENT NO. 2 ELEVATION



WEST WINGWALL ELEVATION



EAST WINGWALL ELEVATION

BRIDGE NO. 6412

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

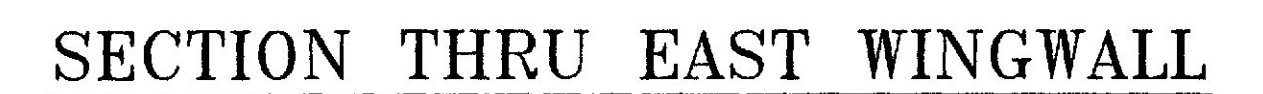
STILLWATER INTERCHANGE
OVER
I-95 SOUTH BOUND
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY
ABUTMENT NO. 2 ELEVATIONS

SHEET 14 OF 24 AUGUSTA, MAINE FEBRUARY, 2000

PREPARED BY COFFIN ENGINEERING & SURVEYING, LLC
RR #7 BOX 887A AUGUSTA, MAINE 04330
TELEPHONE: 207-623-9475

DESIGN-DETAILED	2/2000
CHECKED	2/2000
REVISIONS	
FIELD CHANGES	

PLANS



PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	HEC,ETC,AMP	2/2000
CHECKED	ES	2/2000
REVISIONS		
FIELD CHANGES		

PLANS

BRIDGE NO. 6412

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STILLWATER INTERCHANGE
OVER
I-95 SOUTH BOUND
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY
SECTIONS

PREPARED BY COFFIN ENGINEERING & SURVEYING, LLC
RR #7 BOX 887A AUGUSTA, MAINE 04330
TELEPHONE: 207-623-9475

SHEET 15 OF 24 AUGUSTA, MAINE FEBRUARY, 2000

GIRDER NOTES:

1. PRESTRESSING STRANDS SHALL BE 12.7 mm DIAMETER SEVEN WIRE STRAND, CONFORMING TO AASHTO M203 (ASTM A416), GRADE 270 LOW RELAXATION, INITIAL FORCE = 137.7 Kn.
2. MINIMUM CONCRETE STRENGTH AT RELEASE, f'_{ci} = 27 580 kPa
AT 28 DAYS, f'_c = 41 370 kPa.
3. CLASS P CONCRETE SHALL CONTAIN A CALCIUM NITRITE ADMIXTURE. SEE SPECIAL PROVISION 502 (USE OF CALCIUM NITRATE ADMIXTURE).
4. CONCRETE FOR DIAPHRAGMS TO BE CLASS LP.
5. THE THREADED INSERTS ARE REQUIRED TO DEVELOP A MINIMUM PULLING STRENGTH OF 206 kN FOR M25 BARS AND 124 kN FOR M20 BARS.
6. REINFORCING STEEL, SLEEVES, THREADED INSERTS AND STEEL STRANDS USED IN THE PRESTRESSED GIRDERS SHALL BE PAID FOR UNDER ITEM 535.61 PRESTRESSED STRUCTURAL CONCRETE I-GIRDERS.
7. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE PRESTRESSED GIRDERS FOR APPROVAL. ALTERNATE STRAND PATTERNS ARE SUBJECT TO APPROVAL BY THE ENGINEER. PLANS AND CALCULATIONS OF THE PROPOSED CHANGES SHALL BE STAMPED WITH A PROFESSIONAL ENGINEER'S SEAL AND BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE SHOP DRAWINGS SHALL INDICATE THE PROCEDURES AND SEQUENCE OF OPERATION TO BE FOLLOWED IN CASTING THE GIRDERS. LIFTING DEVICES SHALL BE SHOWN ON THE SHOP DRAWINGS. COST SHALL BE INCIDENTAL TO ITEM 535.61 PRESTRESSED STRUCTURAL CONCRETE I-GIRDERS.
8. THE GIRDER HANDLING AND ERECTION SCHEME SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO HANDLING OF THE GIRDERS.
9. THE TOP SURFACE OF THE UPPER FLANGE OF THE PRECAST GIRDERS SHALL BE RAKED TO A SURFACE ROUGHNESS OF \pm 6mm, EXCEPT AT LOCATIONS CORRESPONDING TO THE BLOCKING POINTS. AT THESE LOCATIONS A FLATTENED AREA OF SUFFICIENT SIZE SHALL BE LEFT TO FACILITATE TAKING ELEVATIONS FOR SETTING BOTTOM OF SLAB ELEVATIONS.
10. THE DRILLING OF HOLES IN THE PRESTRESSED GIRDERS AND THE USE OF POWER ACTUATED TOOLS ON THE GIRDERS WILL NOT BE PERMITTED.
11. SCREED RAIL SUPPORTS REQUIRED FOR THE PLACEMENT OF THE DECK SHALL BE LOCATED ALONG CENTERLINE OF THE GIRDERS.
12. TEMPORARY BRACING SHALL BE PROVIDED TO STABILIZE GIRDERS UNTIL DIAPHRAGMS ARE IN PLACE.
13. BOTTOM OF SLAB ELEVATIONS ARE BASED ON CALCULATED SLAB AND SUPERIMPOSED DEFLECTIONS. THESE ELEVATIONS SHOULD BE USED FOR SETTING SLAB FORMS.

BOTTOM OF SLAB ELEVATIONS NORTH BOUND (DISTANCES AND ELEVATIONS IN METERS/INCLUDING BLOCKING)																			
GIRDER	ABUT. 1	+2	+4	+6	+8	+10	+12	+14	+16	+18	+20	+22	+24	+26	+28	+30	+32	+34	ABUT. 2
G1	51.658	51.658	51.657	51.656	51.655	51.652	51.649	51.646	51.641	51.635	51.629	51.621	51.613	51.604	51.594	51.583	51.572	51.561	51.555
G2	51.620	51.620	51.619	51.618	51.617	51.614	51.611	51.608	51.603	51.597	51.591	51.583	51.575	51.566	51.556	51.545	51.534	51.523	51.517
G3	51.583	51.583	51.582	51.581	51.580	51.577	51.574	51.571	51.566	51.560	51.554	51.546	51.538	51.529	51.519	51.508	51.497	51.486	51.480
G4	51.545	51.545	51.544	51.543	51.542	51.539	51.536	51.533	51.528	51.522	51.516	51.508	51.500	51.491	51.481	51.470	51.459	51.448	51.442
G5	51.507	51.507	51.506	51.505	51.504	51.501	51.498	51.495	51.490	51.484	51.478	51.470	51.462	51.453	51.443	51.432	51.421	51.410	51.404

BOTTOM OF SLAB ELEVATIONS SOUTH BOUND (DISTANCES AND ELEVATIONS IN METERS/INCLUDING BLOCKING)																			
GIRDER	ABUT. 1	+2	+4	+6	+8	+10	+12	+14	+16	+18	+20	+22	+24	+26	+28	+30	+32	+34	ABUT. 2
G1	51.511	51.511	51.510	51.509	51.508	51.505	51.502	51.499	51.494	51.488	51.482	51.474	51.466	51.457	51.447	51.436	51.425	51.414	51.408
G2	51.473	51.473	51.472	51.471	51.470	51.467	51.464	51.461	51.456	51.450	51.444	51.436	51.428	51.419	51.409	51.398	51.387	51.376	51.370
G3	51.436	51.436	51.435	51.434	51.433	51.430	51.427	51.424	51.419	51.413	51.407	51.399	51.391	51.382	51.372	51.361	51.350	51.339	51.333
G4	51.398	51.398	51.397	51.396	51.395	51.392	51.389	51.386	51.381	51.375	51.369	51.361	51.353	51.344	51.334	51.323	51.312	51.301	51.295
G5	51.360	51.360	51.359	51.358	51.357	51.354	51.351	51.348	51.343	51.337	51.331	51.323	51.315	51.306	51.296	51.285	51.274	51.263	51.257

BRIDGE NO. 6411 & 6412

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STILLWATER INTERCHANGE
OVER
I-95 NORTH & SOUTH BOUND
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY
SCHEDULES & NOTES

PREPARED BY COFFIN ENGINEERING & SURVEYING, LLC
RR #7 BOX 887A AUGUSTA, MAINE 04330
TELEPHONE: 207-623-9475

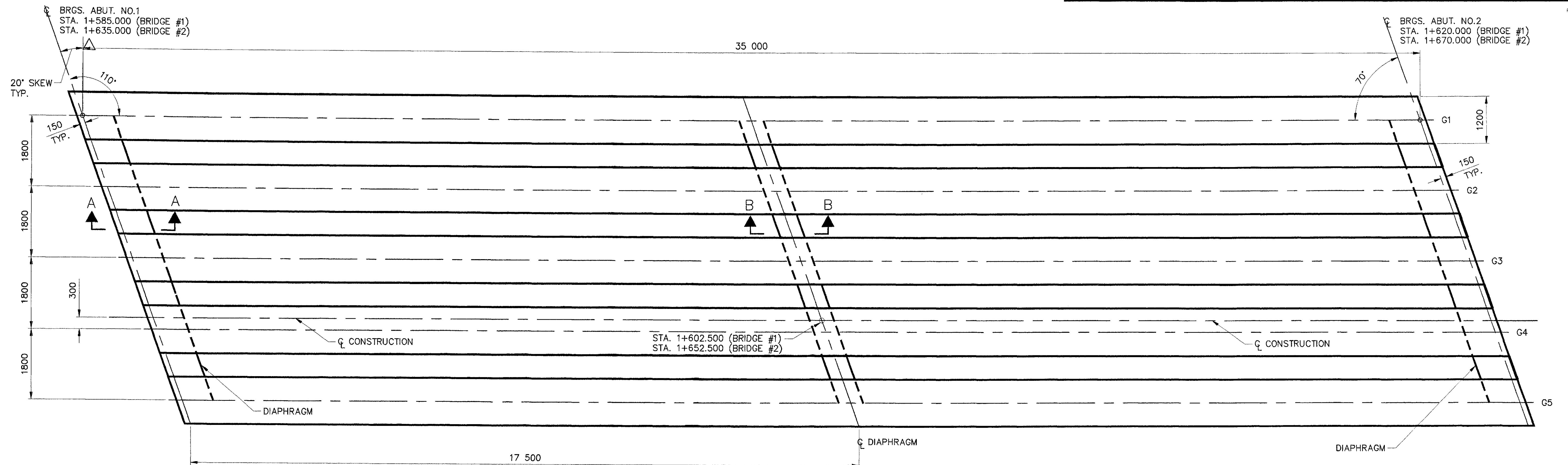
SHEET 116 OF 140 AUGUSTA, MAINE FEBRUARY, 2000

METRIC

1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

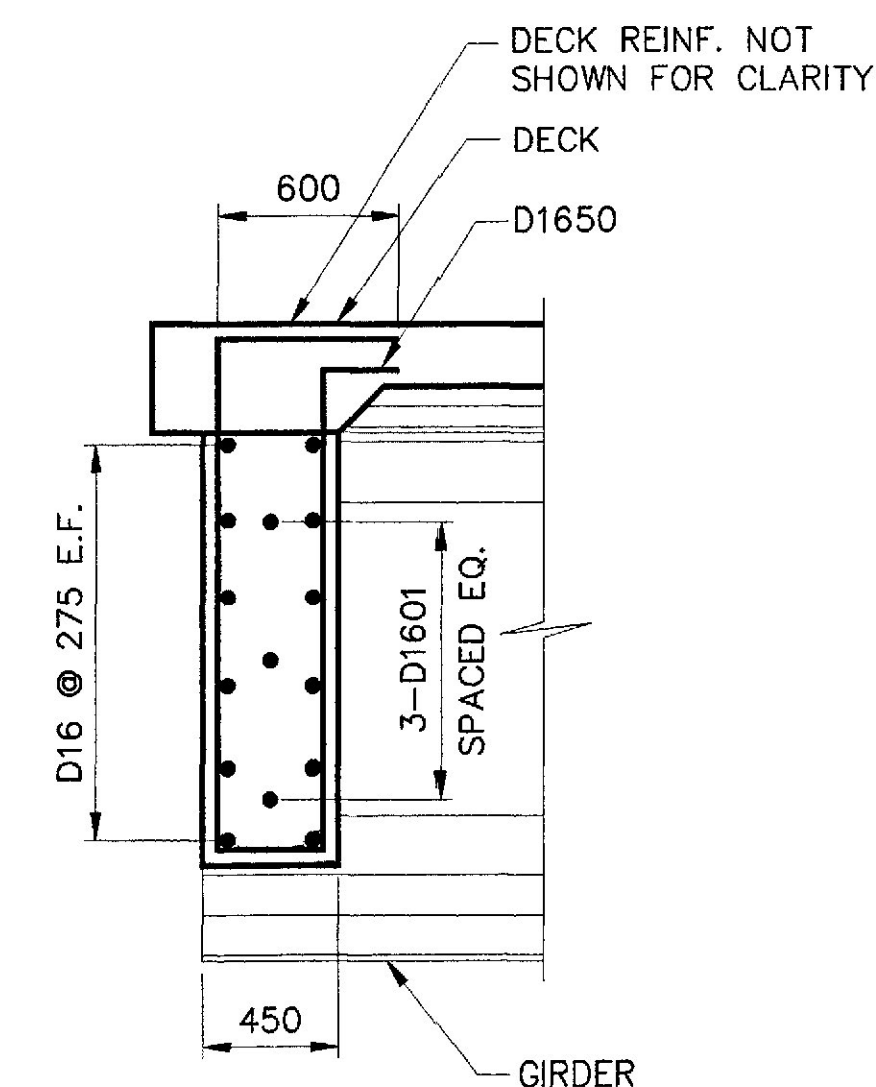
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
MAINE	4926.00(00)X	117	140

PN 034926.00

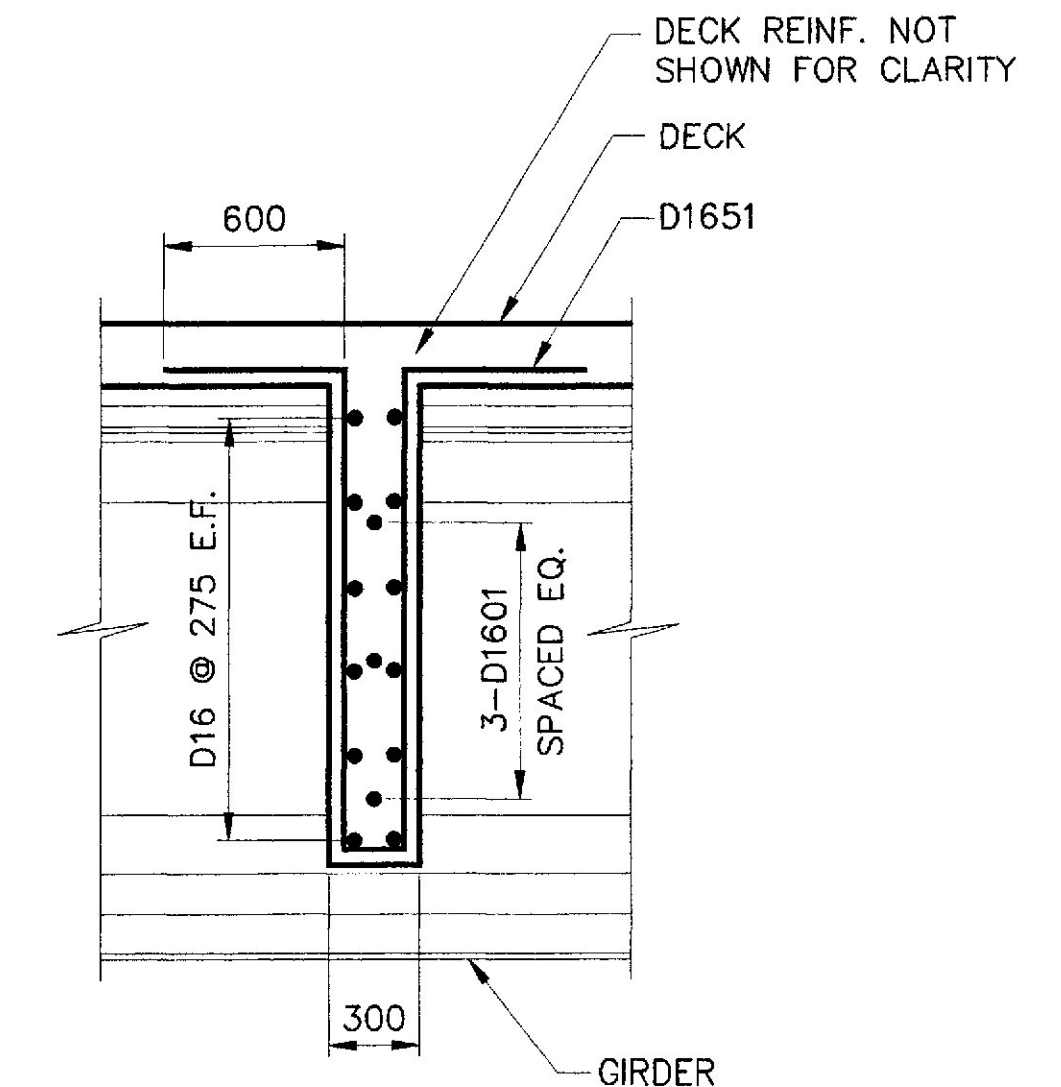


PLAN

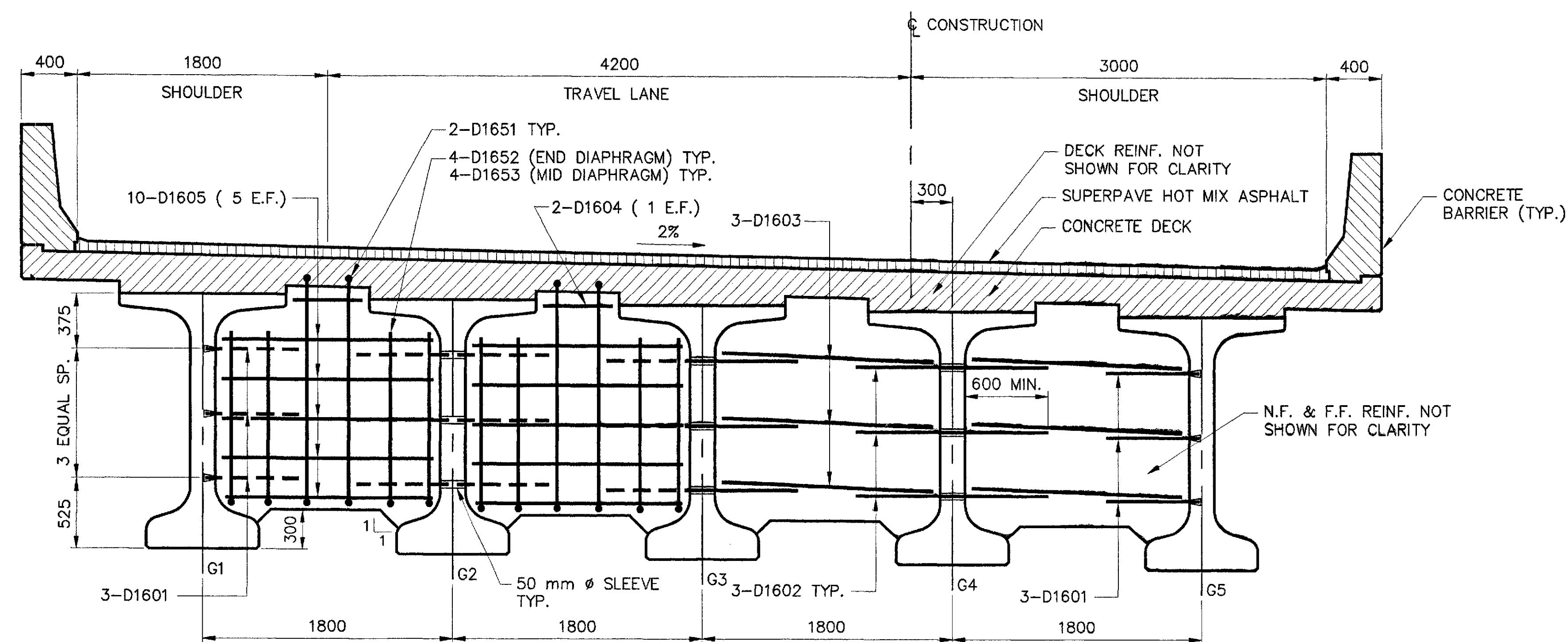
(FOR BRIDGE #1 AND #2)



SECTION A-A



SECTION B-B



DIAPHRAGM AT MIDSPAN

LOOKING UPSTATION

BRIDGE NO. 6411 & 6412

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STILLWATER INTERCHANGE
OVER
I-95 NORTH & SOUTH BOUND
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY
FRAMING PLAN

PREPARED BY COFFIN ENGINEERING & SURVEYING, LLC
RR #7 BOX 887A AUGUSTA, MAINE 04330
TELEPHONE: 207-623-9475

SHEET 117 OF 140 AUGUSTA, MAINE FEBRUARY, 2000

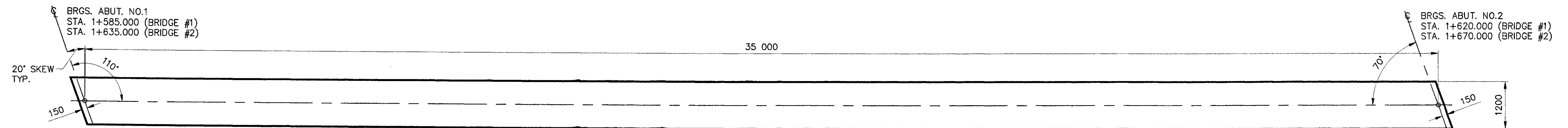
DESIGN-DETAILED	2/2000
CHECKED	2/2000
REVISIONS	
FIELD CHANGES	

METRIC

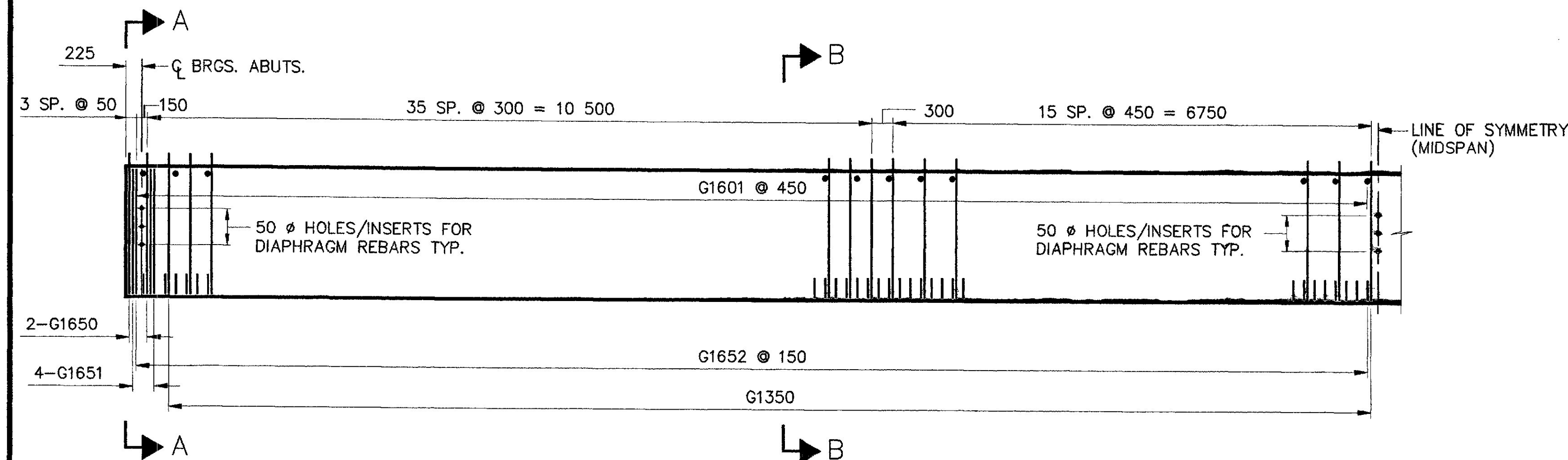
1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
MAINE	4986.00000X	118	140

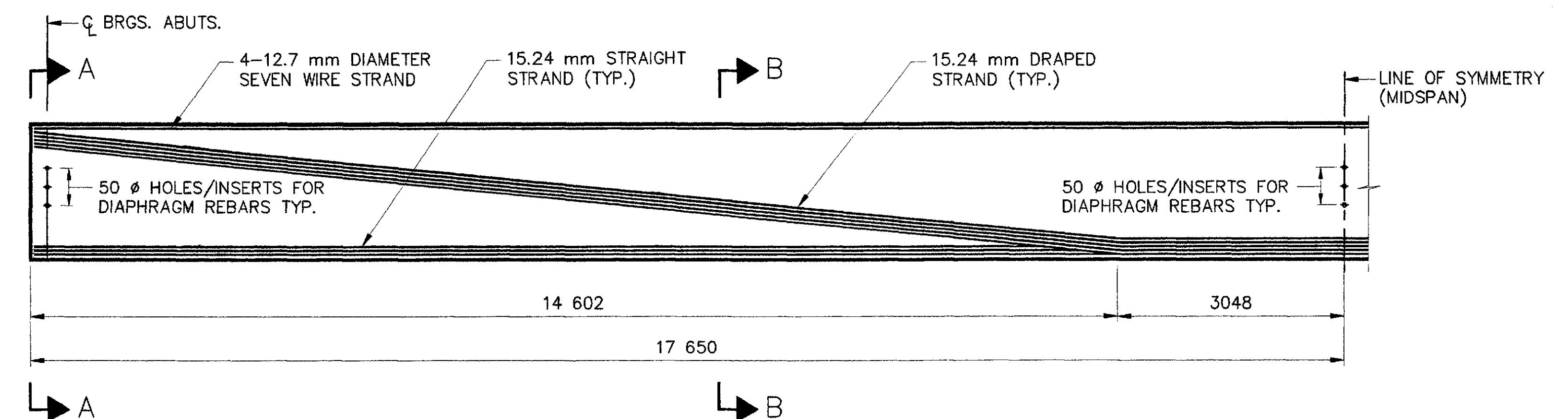
PIN 004926.00



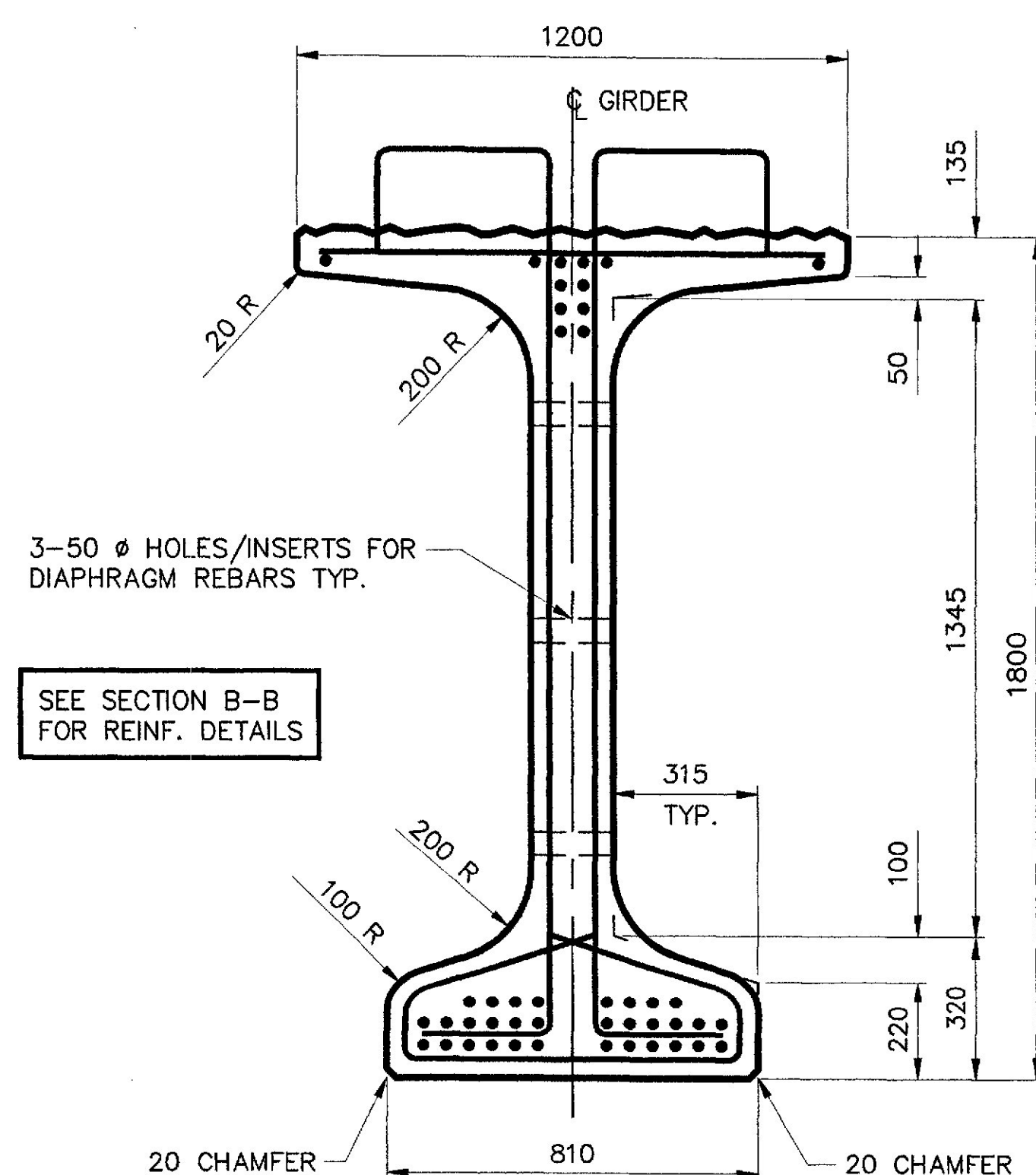
TYPICAL GIRDER PLAN
(FOR BRIDGE #1 AND #2)



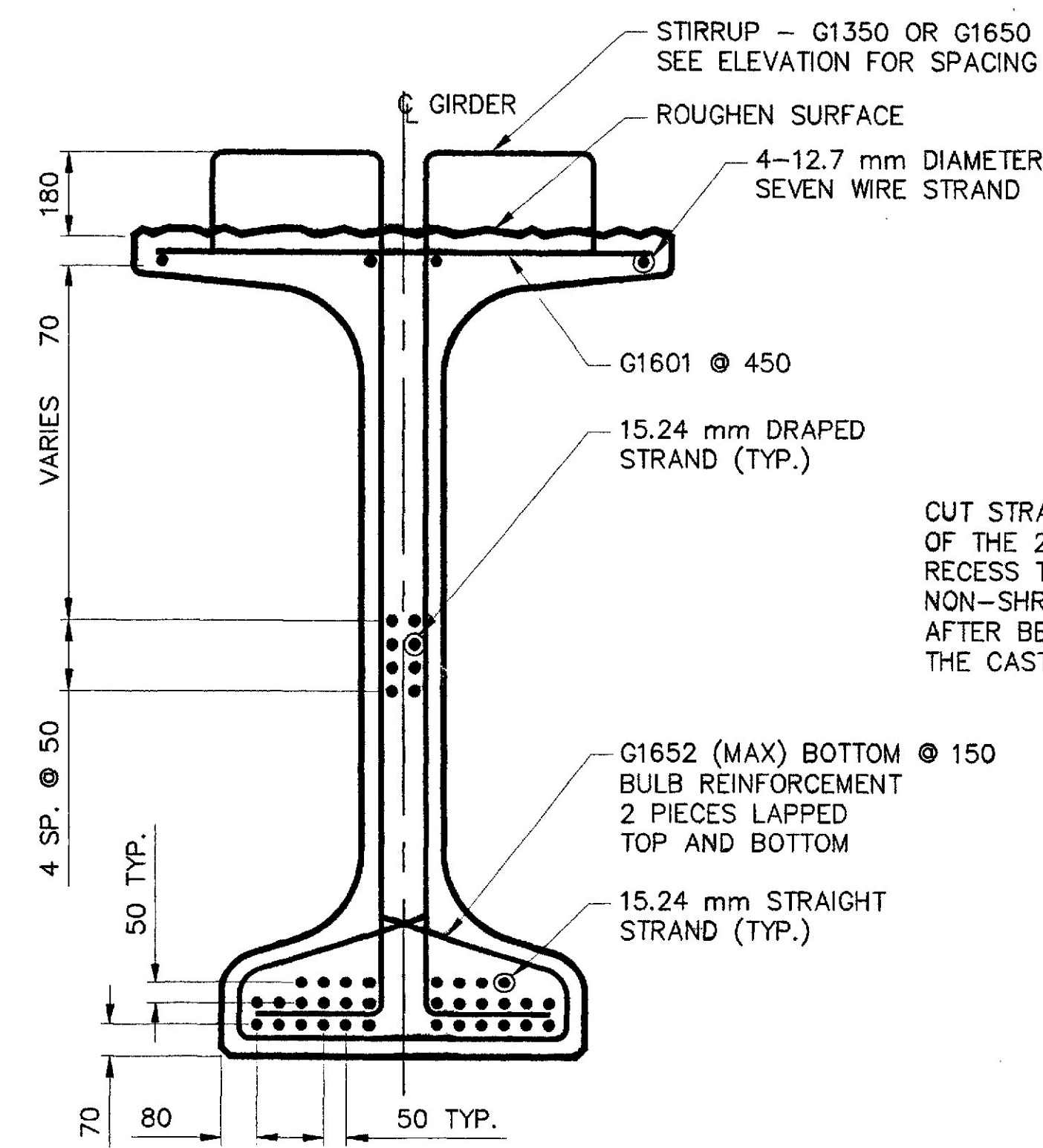
GIRDER ELEV. W/ SHEAR & END REINF.



GIRDER ELEV. W/ DRAP LOCATION

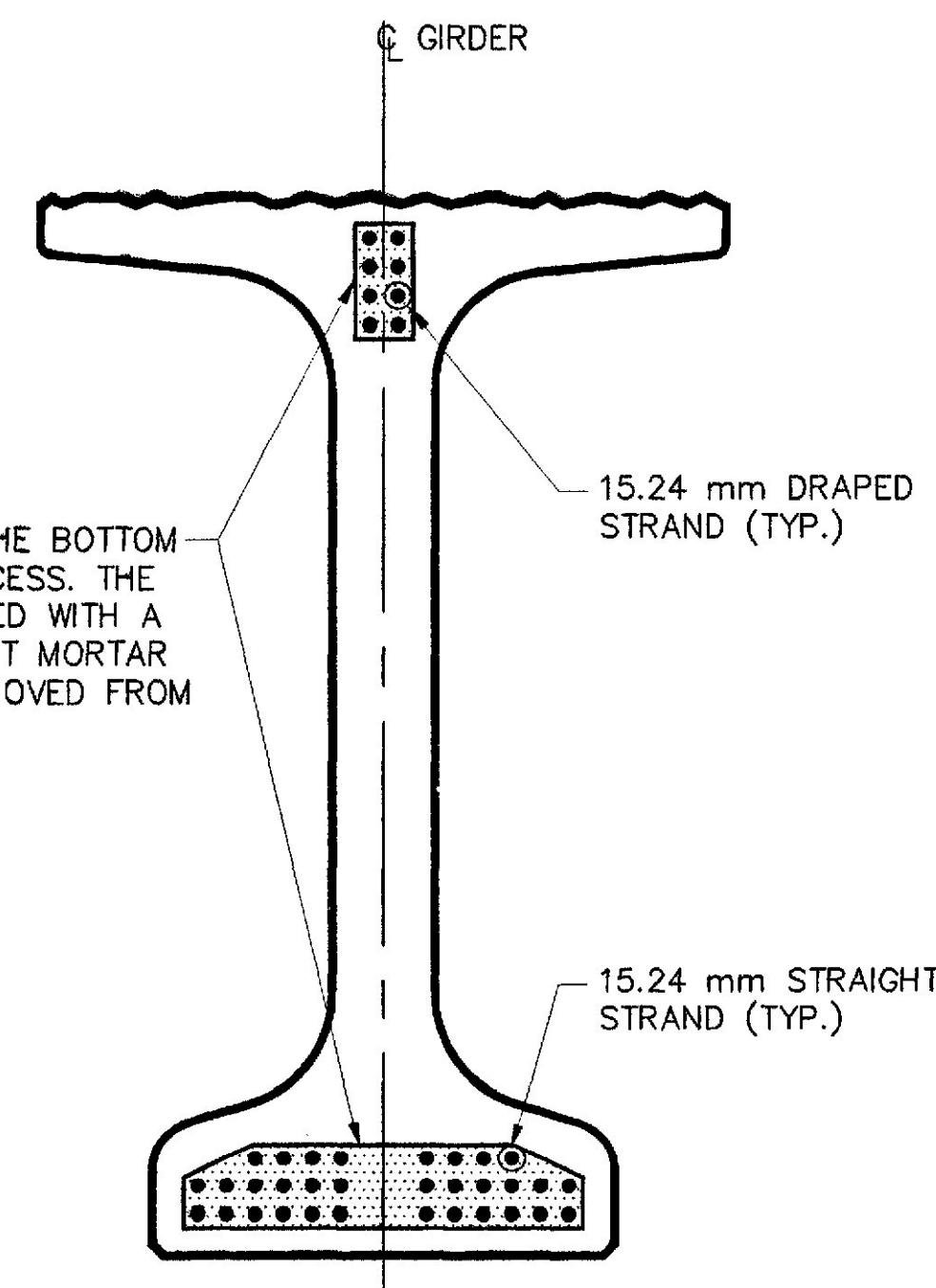


SECTION A-A

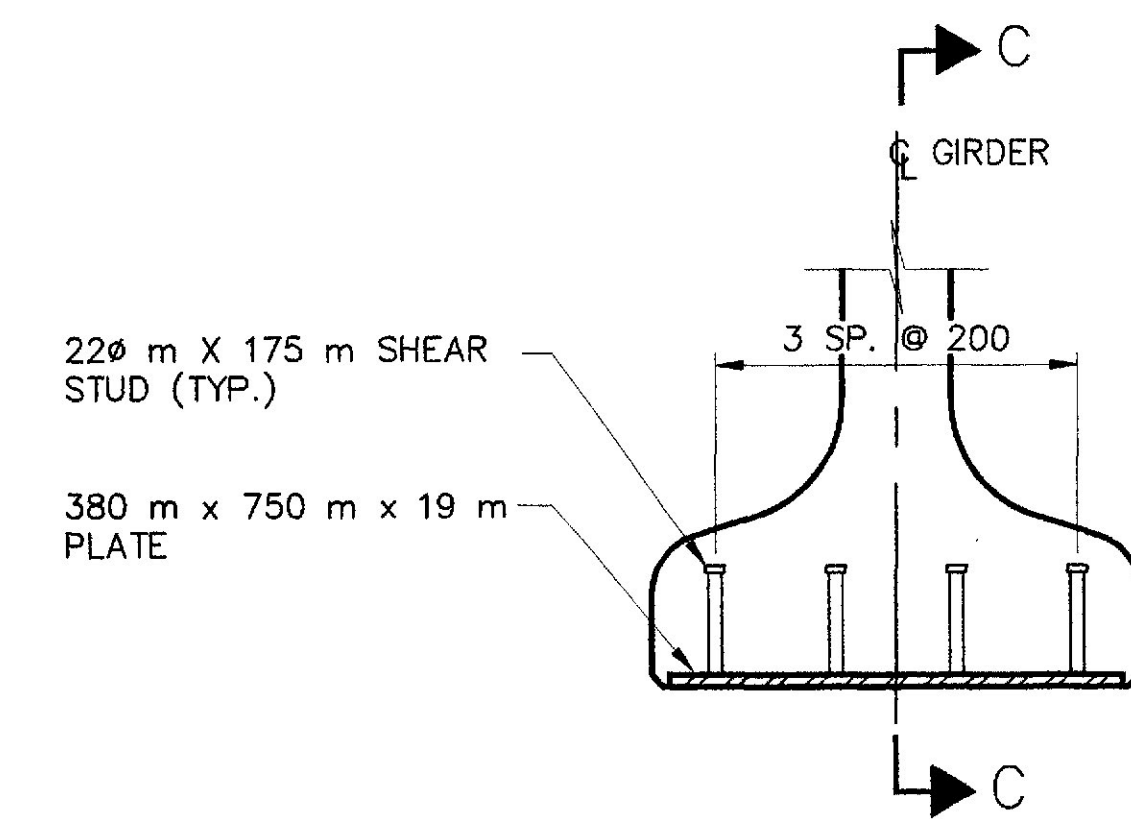


SECTION B-B

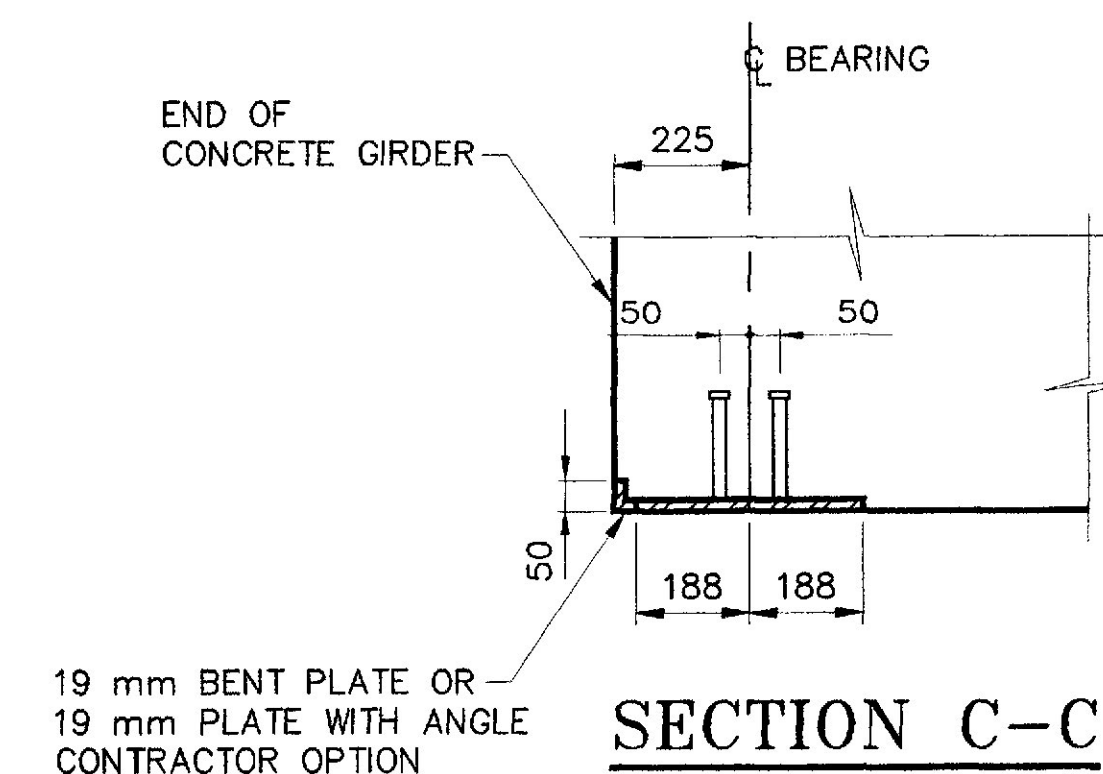
CUT STRANDS AT THE BOTTOM OF THE 25 mm RECESS. THE RECESS TO BE FILLED WITH A NON-SHRINK CEMENT MORTAR AFTER BEAM IS REMOVED FROM THE CASTING BED.



STRAND END PROTECTION



BEAM END VIEW



SECTION C-C

PRECAST BOX BEAM REINF. STEEL			
MARK	QUANTITY	LENGTH	LOCATION
G1350	520	2655	BEAM WEB
G1601	385	1100	TOP FLANGE
G1650	20	2655	BEAM WEB
G1651	40	3430	BEAM WEB
G1652	1150	1870	BOT. FLANGE

BRIDGE NO. 6411 & 6412

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STILLWATER INTERCHANGE
OVER
I-95 NORTH & SOUTH BOUND
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY
GIRDER DETAILS

PREPARED BY COFFIN ENGINEERING & SURVEYING, LLC
RR #7 BOX 887A AUGUSTA, MAINE 04330
TELEPHONE: 207-623-9475

SHEET 118 OF 140 AUGUSTA, MAINE FEBRUARY, 2000

METRIC

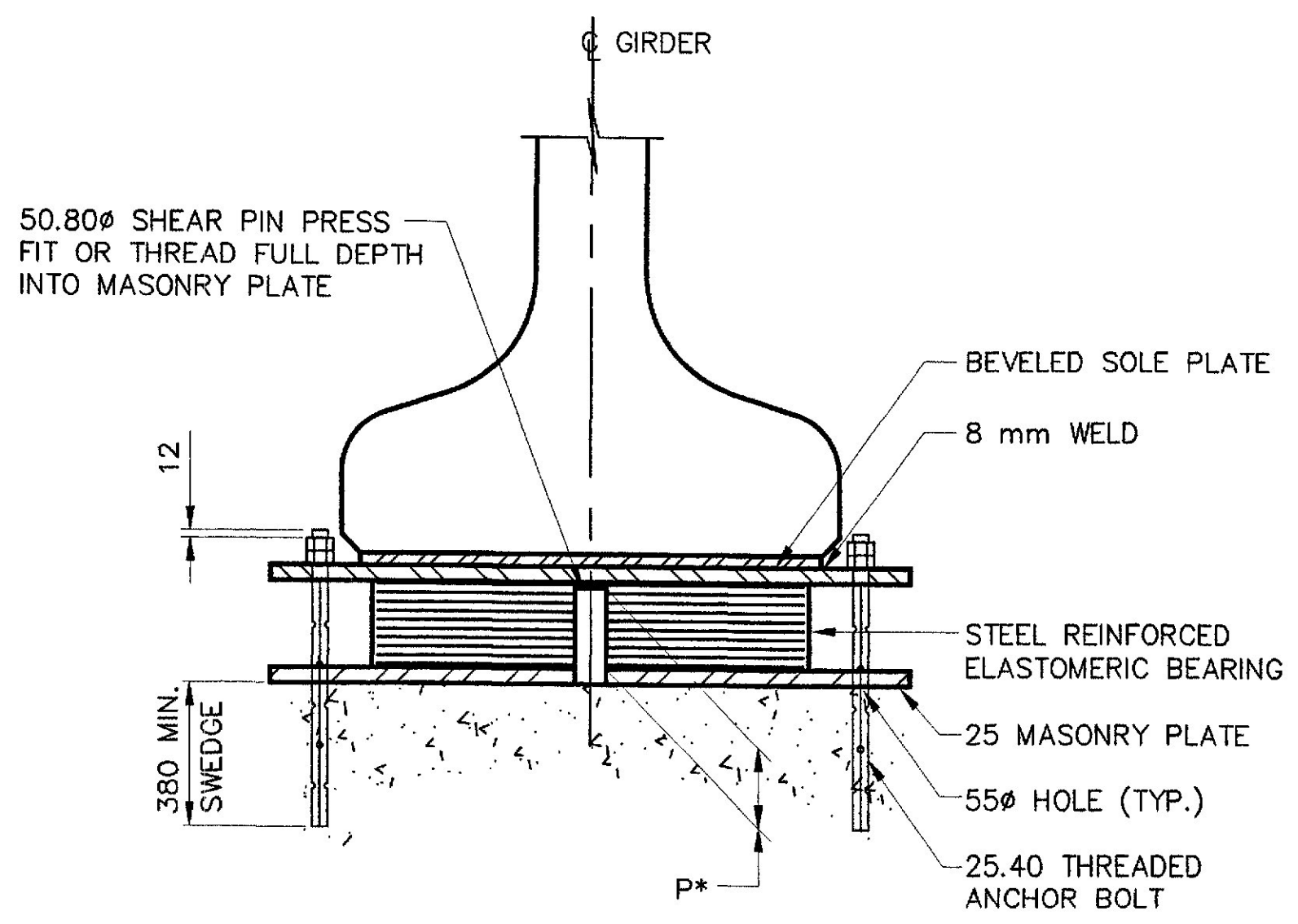
1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

PROJECT NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	4926/00/01X	119	145

PIN 004926.00

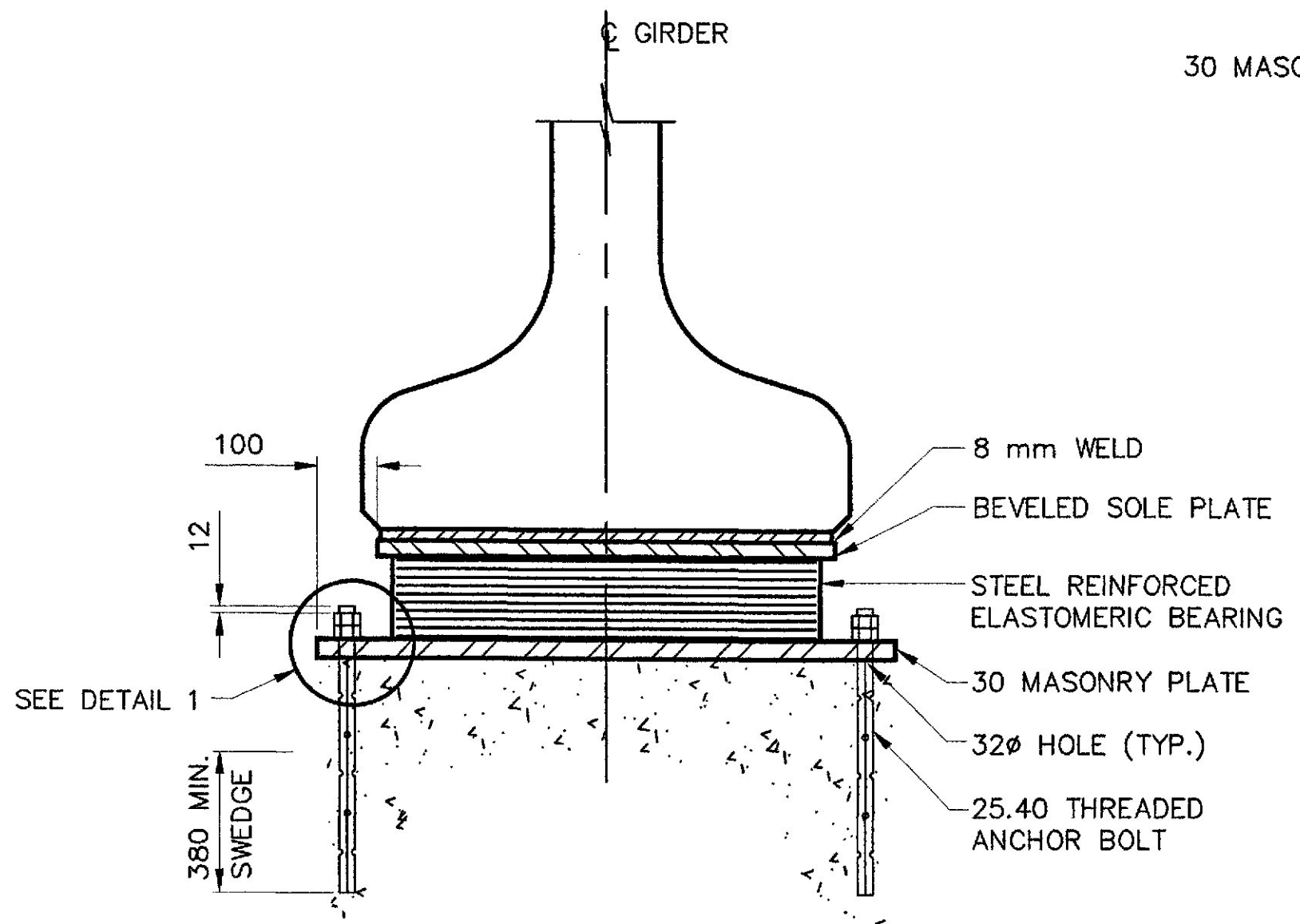
ELASTOMERIC BEARING NOTES:

1. SHEAR MODULAS SHALL BE BETWEEN 0.70 AND 0.90 MPa.
2. VULCANIZING ELASTOMER TO STEEL PLATES SHALL BE DONE DURING THE PRIMARY MOLD PROCESS.
3. UPSET THREADS ON ANCHOR BOLTS AFTER ASSEMBLY.
4. BEARINGS SHALL BE COVERED DURING TRANSIT.
5. BEARINGS ARE DESIGNED ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 1994.
6. STEEL REINFORCEMENT SHALL BE ASTM A709/A709M, GRADE 250
7. MASONRY PLATE, SOLE PLATE, ANCHOR BOLTS, AND SHEAR PIN SHALL BE ASTM A709/A709M, GRADE 345W.
8. BEARINGS ARE DESIGNED SO THAT THE SUPERSTRUCTURE MAY BE ERECTED WHEN THE AMBIENT TEMPERATURE IS WITHIN THE RANGE OF 18°C AND 32°C.
9. A PREFORMED PAD CONFORMING TO 713.03 OF THE STANDARD SPECIFICATIONS SHALL BE INSTALLED BETWEEN THE MASONRY PLATE AND CONCRETE.
10. MASONRY PLATE SHALL BE HOT DIP GALVANIZED.

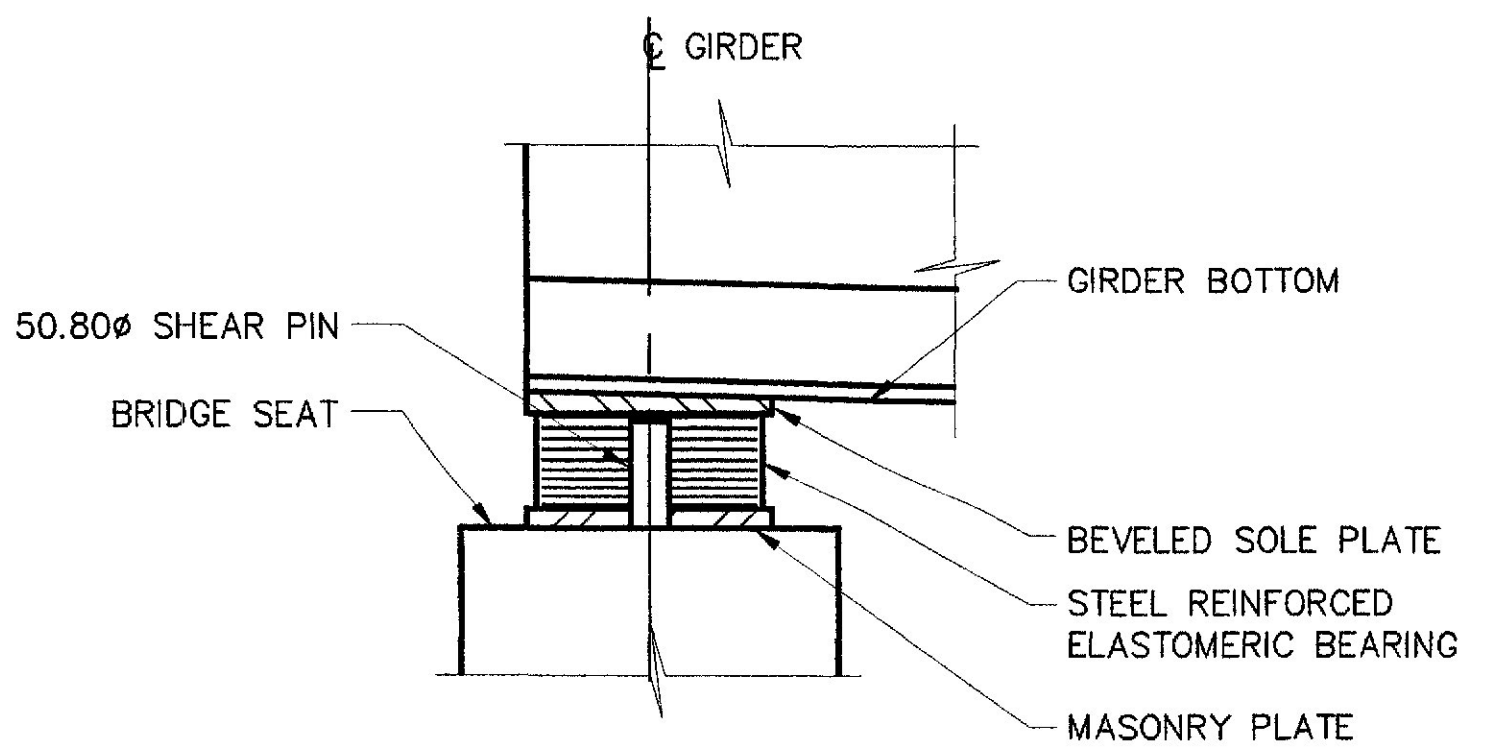


FIXED BEARING DETAIL

* TOP OF PIN SHALL BE 6 BELOW BEVELED SOLE PLATE

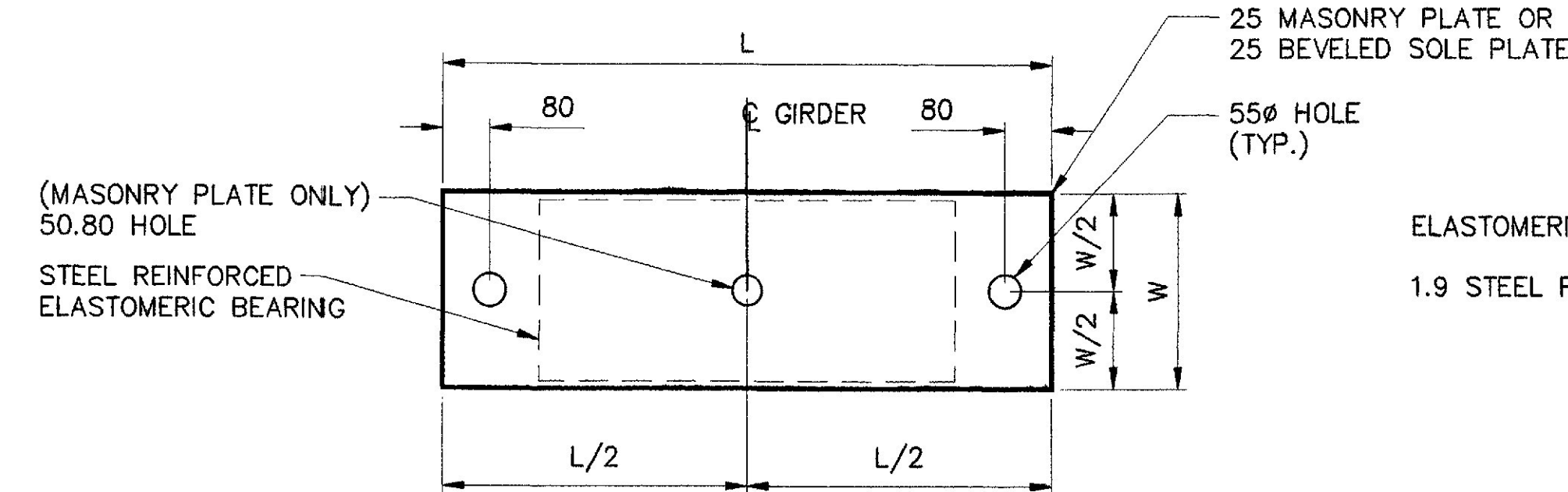


EXPANSION BEARING DETAIL



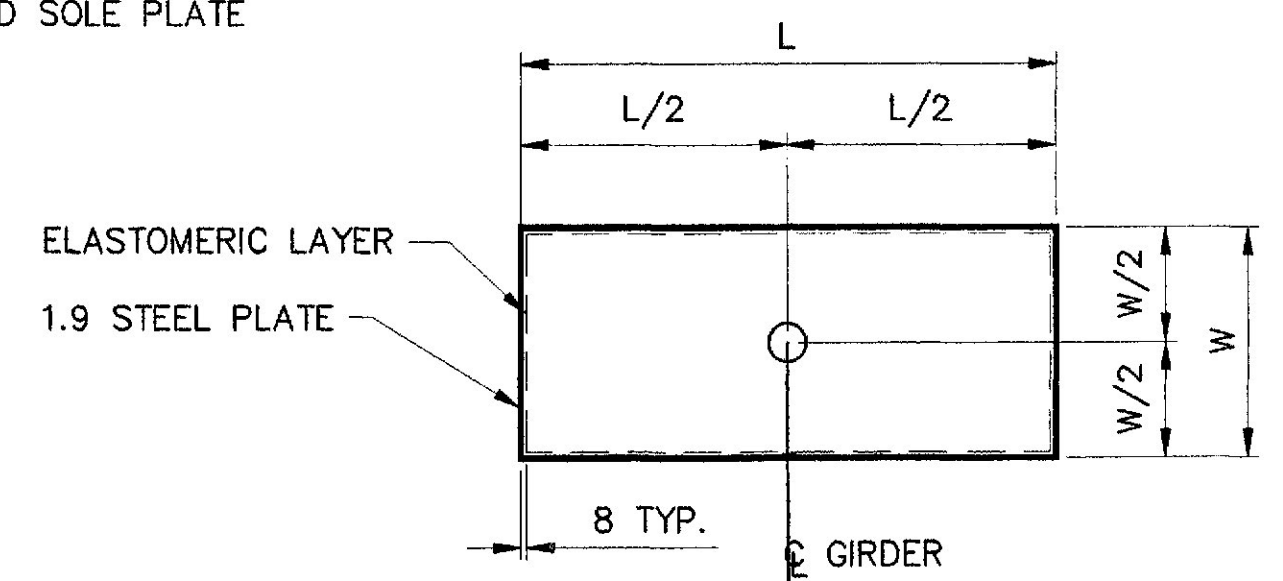
LONGITUDINAL BEARING SECTION

(FIXED BEARING SHOWN, EXPANSION BEARING SIMILAR)



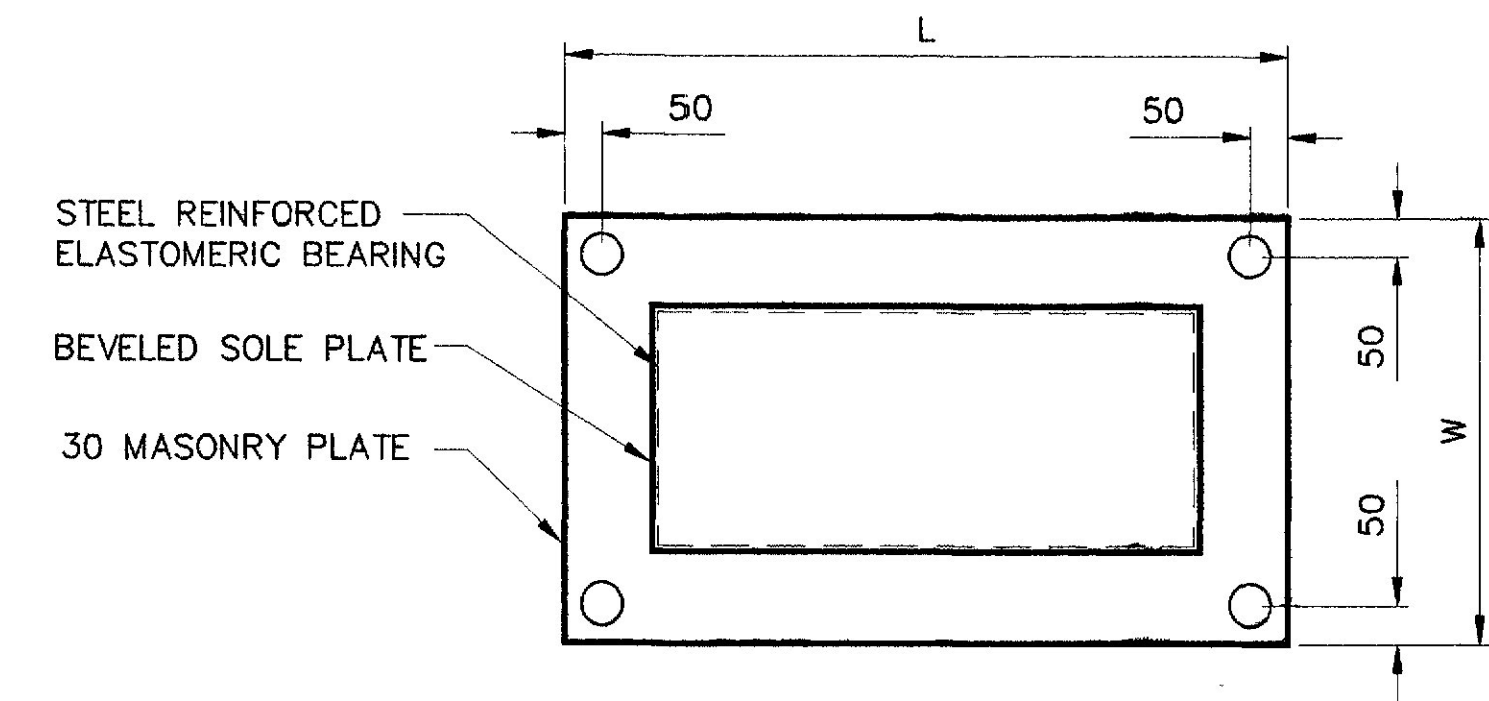
MASONRY PLATE & SOLE PLATE DETAIL

(FIXED)



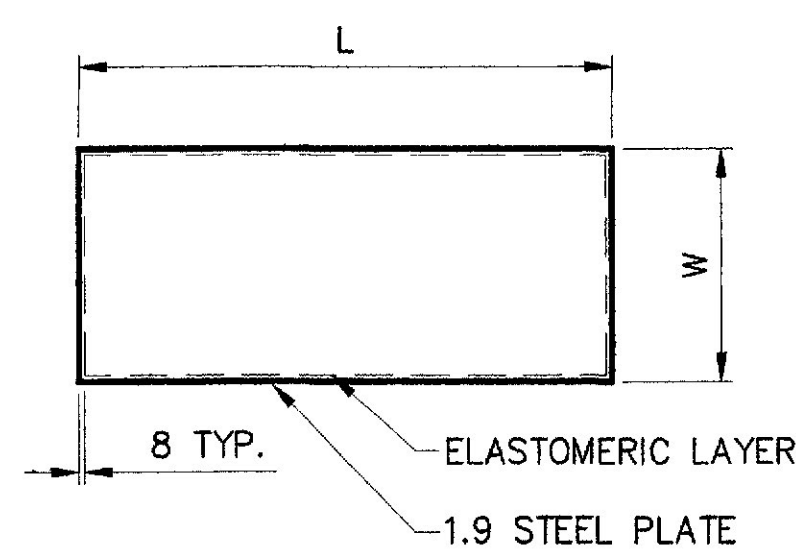
ELASTOMERIC BEARING PAD DETAIL

(FIXED)



MASONRY PLATE DETAIL

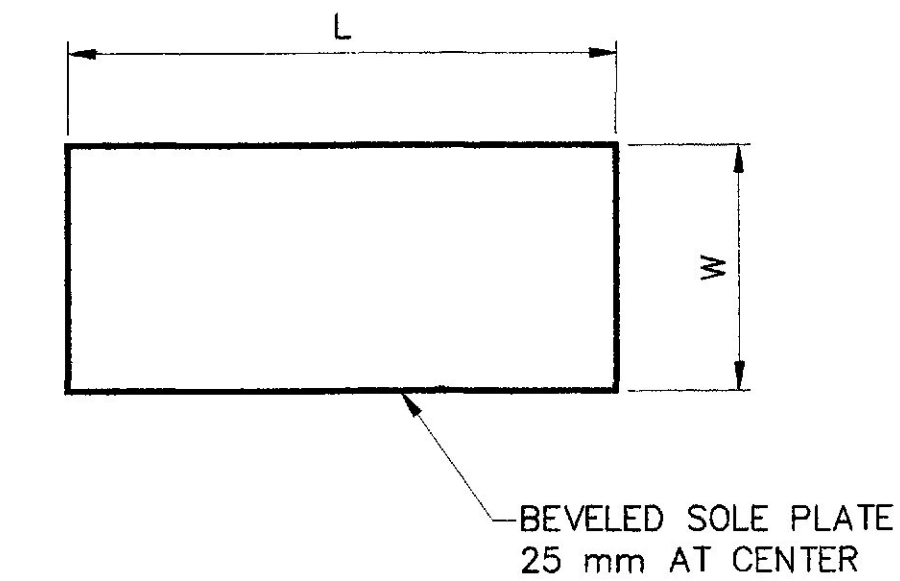
(EXPANSION)



ELASTOMERIC BEARING PAD DETAIL

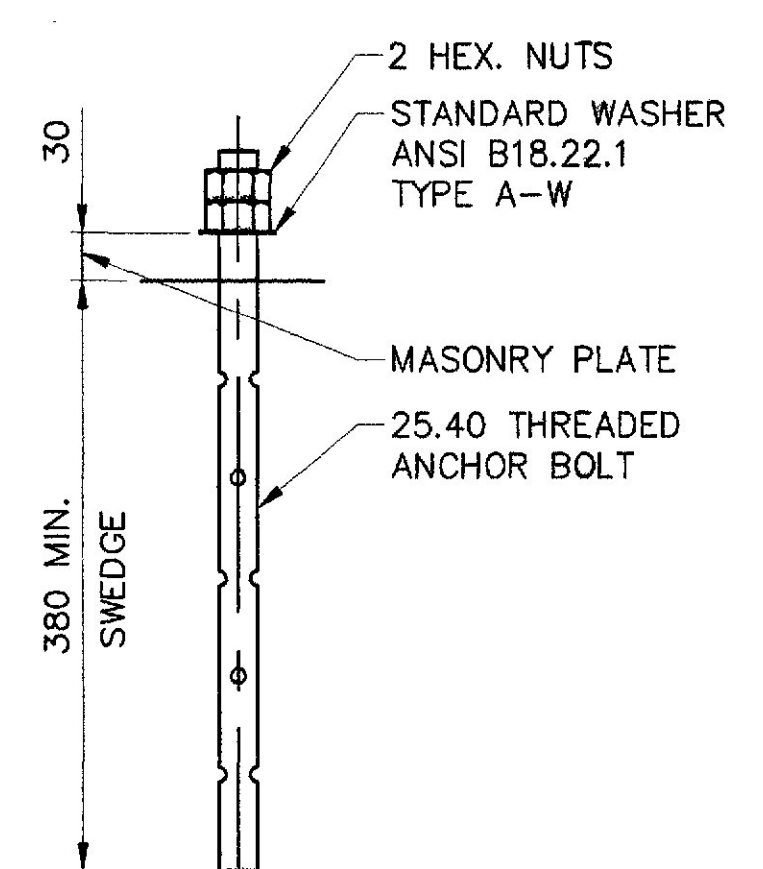
PAD DETAIL

(EXPANSION)

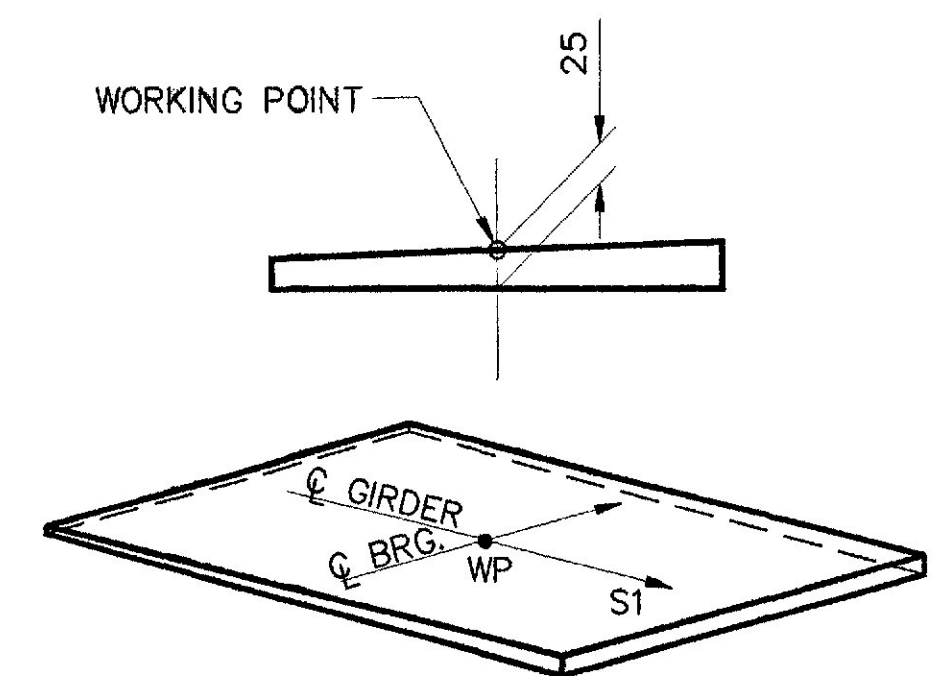


SOLE PLATE DETAIL

(EXPANSION)

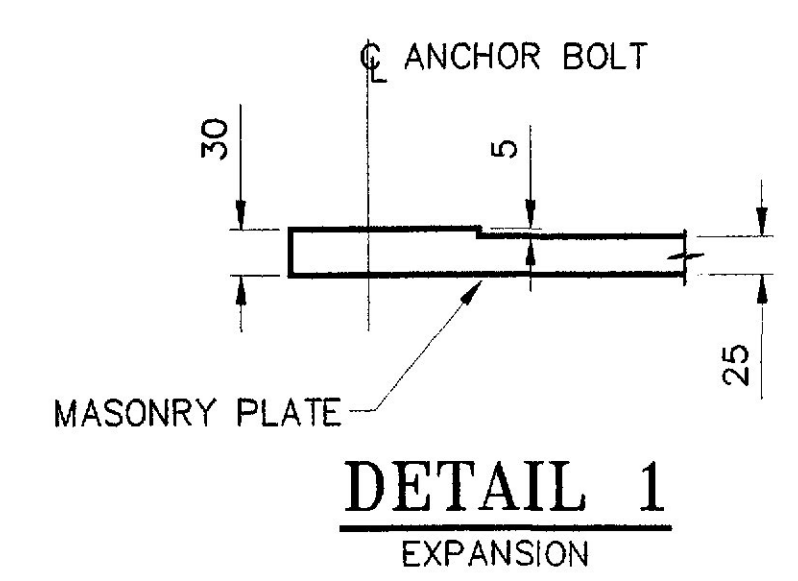


ANCHOR BOLT DETAIL



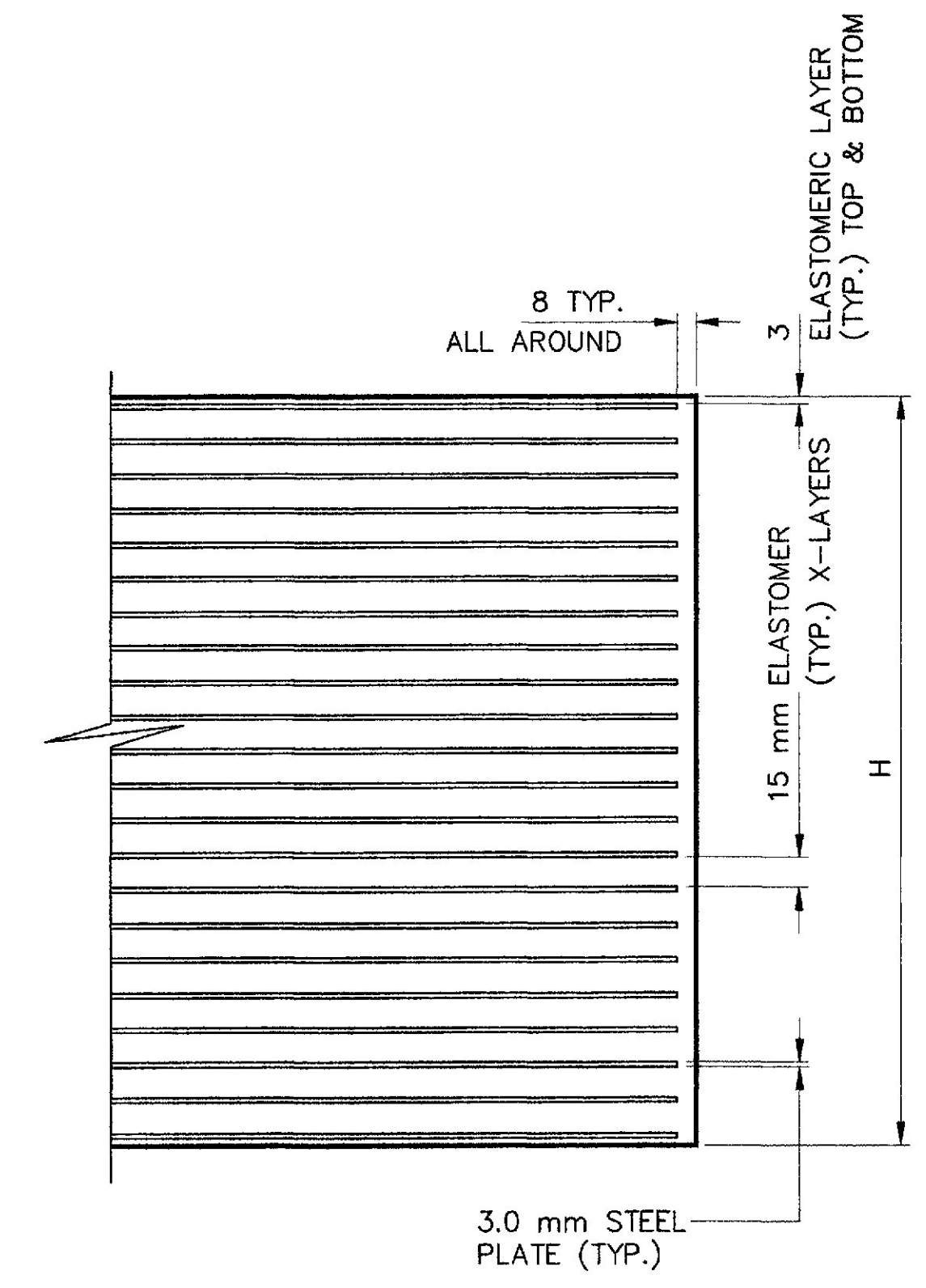
S1 = LONGITUDINAL SLOPE OF ROAD
WP = WORKING POINT

BEVELED SOLE PLATE DETAILS



DETAIL 1

EXPANSION



STEEL REINFORCED ELASTOMERIC BEARING

BEARING TABLE												
LOCATION	GIRDER	TYPE	ELASTOMERIC BEARING				BEVELED SOLE PLATE		MASONRY PLATE		DESIGN LOADS (kN)	
			L	W	X	H	L	W	L	W	DEAD LOAD	LIVE LOAD
BRIDGE #1/ABUT. #1	G1 - G5	EXPANSION	710	300	7	135	780	400	960	400	590	530
BRIDGE #1/ABUT. #2	G1 - G5	FIXED	710	300	7	135	1040	325	1040	325	590	530
BRIDGE #2/ABUT. #1	G1 - G5	EXPANSION	710	300	7	135	780	400	960	400	590	530
BRIDGE #2/ABUT. #2	G1 - G5	FIXED	710	300	7	135	1040	325	1040	325	590	530

PREPARED BY COFFIN ENGINEERING & SURVEYING, LLC
RR #7 BOX 887A AUGUSTA, MAINE 04330
TELEPHONE: 207-623-9475

BRIDGE NO. 6411 & 6412

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STILLWATER INTERCHANGE
OVER
I-95 NORTH & SOUTH BOUND
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY

ELASTOMERIC BEARING DETAILS

SHEET 119 OF 145 AUGUSTA, MAINE FEBRUARY, 2000

REINFORCING STEEL SCHEDULE																											
STRAIGHT BARS												BENT BARS															
MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION	
ABUTMENT NO. 1				ABUTMENT NO. 1 CONT.								ABUTMENT NO. 1															
A1601	25	2525	FOOTING	A1649	2	2175	HORIZ.- WEST WING	B3201	44	5700	FOOTING	A1660	27	5825	Q	2775	275	2775	-	-	-	-	-	-	-	-	VERT. - ABUTMENT
A1602	28	11575	FOOTING	A1650	2	3725	HORIZ.- WEST WING	B3202	134	4425	FOOTING	A1661	27	2450	Q	600	1250	600	-	-	-	-	-	-	-	-	VERT. - ABUTMENT
A1603	22	5700	FOOTING	A1651	2	5300	HORIZ.- WEST WING	B3203	24	2700	FOOTING	A1662	27	1250	Q	800	650	800	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1604	14	11525	FOOTING	A1652	2	6875	HORIZ.- WEST WING	B3204	8	6100	FOOTING	A1663	1	2250	Q	950	650	950	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1605	10	13000	FOOTING	A1653	2	8450	HORIZ.- WEST WING	B3205	3	5400	FOOTING	A1664	1	2900	Q	1125	650	1125	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1606	14	6700	FOOTING									A1665	1	3200	Q	1275	650	1275	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1607	10	9500	FOOTING	A1901	134	2525	FOOTING					A1666	1	3550	Q	1450	650	1450	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1608	38	5100	FOOTING	A1902	64	4000	FOOTING					A1667	1	3900	Q	1625	650	1625	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1609	3	5975	FOOTING	A1903	18	3000	FOOTING	ABUTMENT NO. 2				A1668	1	4200	Q	1775	650	1775	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1610	5	6100	FOOTING	A1904	49	5100	FOOTING	B1601	14	4100	FOOTING	A1669	1	4550	Q	1950	650	1950	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1611	2	5400	FOOTING	A1905	5	5975	FOOTING	B1602	14	14225	FOOTING	A1670	1	4850	Q	2100	650	2100	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1612	27	7250	VERT.- ABUTMENT	A1906	3	5400	FOOTING	B1603	36	5700	FOOTING	A1671	1	5400	Q	2375	650	2375	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1613	42	6800	HORIZ.- ABUTMENT	A1907	41	8375	VERT.- ABUTMENT	B1604	2	5825	FOOTING	A1672	1	5150	Q	2250	650	2250	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1614	42	6175	HORIZ.- ABUTMENT	A1908	10	7900	VERT.- EAST WING	B1605	2	5925	FOOTING	A1673	1	4900	Q	2125	650	2125	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1615	10	7900	VERT.- EAST WING	A1909	1	6500	VERT.- EAST WING	B1606	2	6050	FOOTING	A1674	1	4650	Q	2000	650	2000	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1616	40	1900	HORIZ.- EAST WING	A1910	1	6625	VERT.- EAST WING	B1607	28	2525	FOOTING	A1675	1	4400	Q	1875	650	1875	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1617	2	975	HORIZ.- EAST WING	A1911	1	6725	VERT.- EAST WING	B1608	27	7125	VERT.- ABUTMENT	A1676	1	4100	Q	1725	650	1725	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1618	1	6500	VERT.- EAST WING	A1912	1	6825	VERT.- EAST WING	B1609	10	7325	HORIZ.- ABUTMENT	A1677	1	3850	Q	1600	650	1600	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1619	1	6675	VERT.- EAST WING	A1913	1	6950	VERT.- EAST WING	B1610	10	5450	HORIZ.- ABUTMENT	A1678	1	3600	Q	1475	650	1475	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1620	1	6825	VERT.- EAST WING	A1914	1	7050	VERT.- EAST WING	B1611	16	7600	HORIZ.- ABUTMENT	A1679	1	3350	Q	1350	650	1350	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1621	1	7000	VERT.- EAST WING	A1915	1	7150	VERT.- EAST WING	B1612	16	5175	HORIZ.- ABUTMENT	A1680	1	3100	Q	1225	650	1225	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1622	1	7175	VERT.- EAST WING	A1916	1	7275	VERT.- EAST WING	B1613	3	9625	VERT.- WEST WING	A1681	1	2850	Q	1100	650	1100	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1623	1	7325	VERT.- EAST WING	A1917	1	7375	VERT.- EAST WING	B1614	5	9375	VERT.- EAST WING	A1682	1	2600	Q	975	650	975	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1624	1	7500	VERT.- EAST WING	A1918	1	7500	VERT.- EAST WING	B1615	21	925	HORIZ.- WEST WING	A1683	1	2300	Q	825	650	825	-	-	-	-	-	-	-	-	VERT. - EAST WING
A1625	1	7650	VERT.- EAST WING	A1919	1	7600	VERT.- EAST WING	B1616	21	1575	HORIZ.- EAST WING																
A1626	1	7825	VERT.- EAST WING	A1920	1	7825	VERT.- EAST WING					ABUTMENT NO. 2															
A1627	30	6400	HORIZ.- EAST WING	A1921	22	8050	VERT.- WEST WING	B1901	41	8650	VERT.- ABUTMENT	B1650	27	6175	Q	2950	275	2950	-	-	-	-	-	-	-	-	VERT. - ABUTMENT
A1628	2	5125	HORIZ.- EAST WING	A1922	1	7975	VERT.- WEST WING					B1651	27	2450	Q	600	1250	600	-	-	-	-	-	-	-	-	VERT. - ABUTMENT
A1629	2	3900	HORIZ.- EAST WING	A1923	1	7875	VERT.- WEST WING	B2201	18	2425	FOOTING																
A1630	2	2675	HORIZ.- EAST WING	A1924	1	7800	VERT.- WEST WING																				
A1631	2	1450	HORIZ.- EAST WING	A1925	1	7700	VERT.- WEST WING	B2501	4	9625	VERT.- WEST WING																
A1632	2	1025	HORIZ.- WEST WING	A1926	1	7625	VERT.- WEST WING	B2502	6	9375	VERT.- EAST WING																
A1633	42	1900	HORIZ.- WEST WING	A1927	1	7525	VERT.- WEST WING																				
A1634	15	8050	VERT.- WEST WING	A1928	1	7450	VERT.- WEST WING	B2901	69	5125	FOOTING																
A1635	1	7925	VERT.- WEST WING	A1929	1	7375	VERT.- WEST WING																				
A1636	1	7800	VERT.- WEST WING	A1930	1	7275	VERT.- WEST WING	B3201	42	5650	FOOTING																
A1637	1	7675	VERT.- WEST WING	A1931	1	7200	VERT.- WEST WING	B3202	42	5425	FOOTING																
A1638	1	7525	VERT.- WEST WING	A1932	1	7100	VERT.- WEST WING	B3203	72	5700	FOOTING																
A1639	1	7400	VERT.- WEST WING	A1933	1	7025	VERT.- WEST WING	B3204	2	5750	FOOTING																
A1640	1	7275	VERT.- WEST WING	A1934	1	6925	VERT.- WEST WING	B3205	2	5850	FOOTING																
A1641	1	7150	VERT.- WEST WING	A1935	1	6850	VERT.- WEST WING	B3206	2	5950	FOOTING																
A1642	1	7025	VERT.- WEST WING	A1936	1	6775	VERT.- WEST WING	B3207	2	6050	FOOTING																
A1643	1	6900	VERT.- WEST WING	A1937	1	6675	VERT.- WEST WING																				
A1644	1	6775	VERT.- WEST WING	A1938	1	6575	VERT.- WEST WING	B3501	20	4675	FOOTING																
A1645	1	6625	VERT.- WEST WING	A1939	1	6500	VERT.- WEST WING																				
A1646	1	6500	VERT.- WEST WING																								
A1647	30	9900	HORIZ.- WEST WING	A2901	78	5125	FOOTING																				
A1648	2	600	HORIZ.- WEST WING									MARK	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION	

FIN 00452600
REG. NO. 1
STATE MAINE
PROJECT NUMBER 4906.00000X
SHEET NO. 120
TOTAL SHEETS 140

TYPE-BENDING DIAGRAMS

All dimensions are out to out of reinforcing bar
Bending details and hooks shall conform to the recommendations of the current revision of ACI Standard 318
Reinforcing Bar: ASTM A615M Grade 415 MPa

GENERAL NOTES

1. First digit(s) following the letter of the mark indicates size of the bar:
Mark (A1902) bar size-#19
Mark (P1601) bar size-#16
Mark (S2506) bar size-#25

2. Each trussbar, type b, may be replaced by two (2) straight bars (one top and one bottom) of the same size as the truss bar. Payment in either case shall be based on truss bars as scheduled on plans.

BRIDGE NO. 4611

DETAILED BY COFFIN ENGINEERING & SURVEYING, LLC
RFD #2 BOX 887A AUGUSTA, MAINE 04330
TELEPHONE: 207-623-9475

METRIC

1. All dimensions are in millimeters unless otherwise noted.

2. All elevations and stations are in meters.

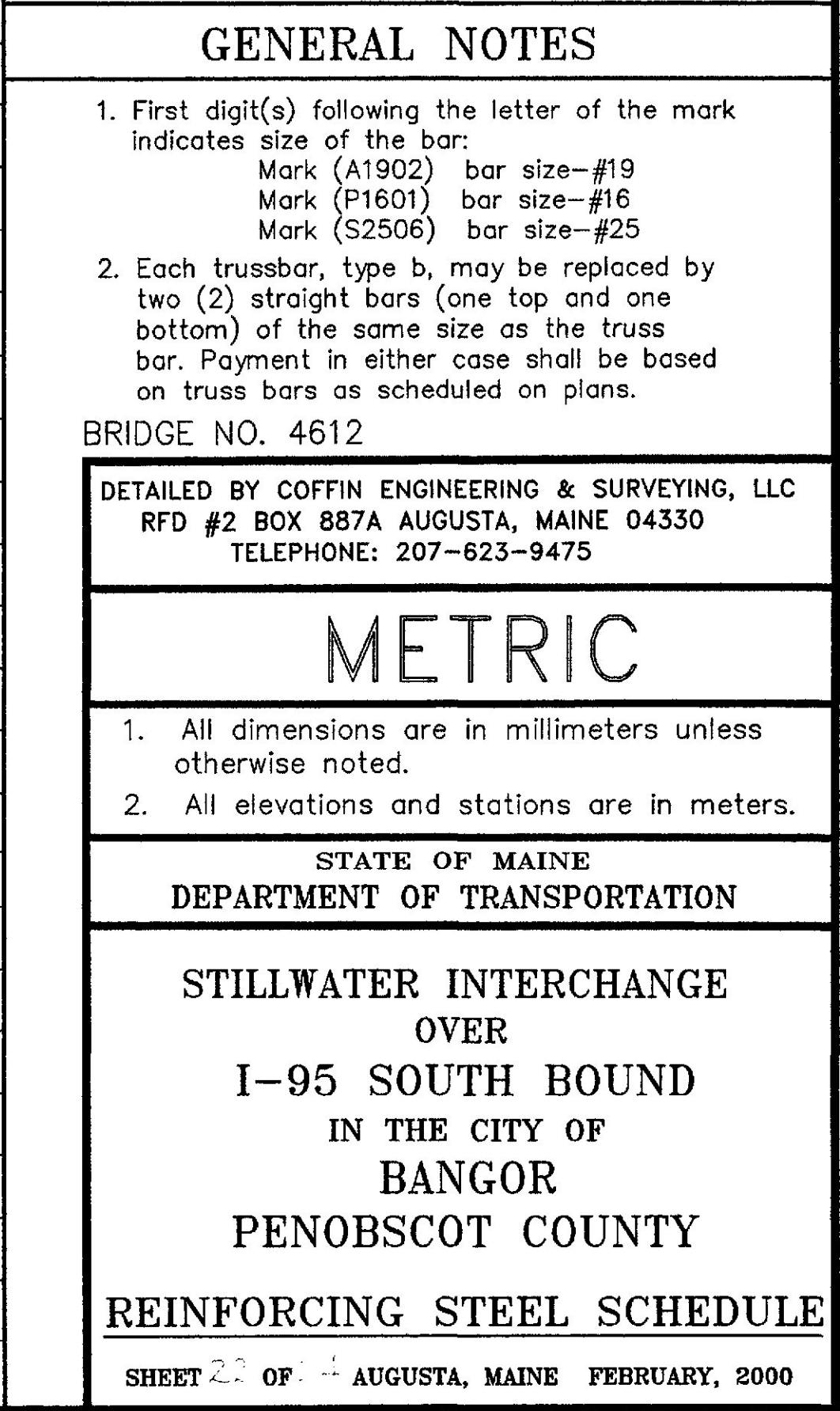
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STILLWATER INTERCHANGE
OVER
I-95 NORTH BOUND
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY

REINFORCING STEEL SCHEDULE

SHEET 20 OF 20 AUGUSTA, MAINE FEBRUARY, 2000

STRAIGHT BARS												BENT BARS														
MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION
ABUTMENT NO. 1				ABUTMENT NO. 2				ABUTMENT NO. 2 CONT.				ABUTMENT NO. 1														
A1601	12	5600	FOOTING	B1601	66	2425	FOOTING	B1901	48	3625	FOOTING	A1650	27	5925	Q	2825	275	2825	-	-	-	-	-	-	-	VERT. - ABUTMENT
A1602	12	13350	FOOTING	B1602	28	3625	FOOTING	B1902	8	4525	FOOTING	A1651	27	2450	Q	600	1250	600	-	-	-	-	-	-	-	VERT. - ABUTMENT
A1603	24	4650	FOOTING	B1603	10	7175	FOOTING	B1903	16	2250	FOOTING															
A1604	2	4700	FOOTING	B1604	8	8675	FOOTING	B1904	40	5125	VERT.- ABUTMENT															
A1605	2	4750	FOOTING	B1605	22	10950	FOOTING	B1905	9	5025	VERT.- WEST WING															
A1606	2	4850	FOOTING	B1606	21	4650	FOOTING	B1906	1	3350	VERT.- WEST WING															
A1607	2	4950	FOOTING	B1607	10	8925	FOOTING	B1907	1	3575	VERT.- WEST WING															
A1608	40	2425	FOOTING	B1608	8	10425	FOOTING	B1908	1	3775	VERT.- WEST WING															
A1609	10	6825	HORIZ.- ABUTMENT	B1609	5	4525	FOOTING	B1909	1	4000	VERT.- WEST WING															
A1610	10	5950	HORIZ.- ABUTMENT	B1610	27	4225	VERT.- ABUTMENT	B1910	1	4200	VERT.- WEST WING															
A1611	22	7100	HORIZ.- ABUTMENT	B1611	30	6500	HORIZ.- ABUTMENT	B1911	1	4425	VERT.- WEST WING															
A1612	22	5675	HORIZ.- ABUTMENT	B1612	30	5950	HORIZ.- ABUTMENT	B1912	1	4650	VERT.- WEST WING															
A1613	27	4325	VERT.- ABUTMENT	B1613	2	4475	HORIZ.- WEST WING	B1913	1	4850	VERT.- WEST WING	ABUTMENT NO. 2														
A1614	3	6550	VERT.- EAST WING	B1614	2	3525	HORIZ.- WEST WING	B1914	18	4850	VERT.- EAST WING	B1650	27	6025	Q	2875	275	2875	-	-	-	-	-	-	-	VERT. - ABUTMENT
A1615	4	6800	VERT.- WEST WING	B1615	2	2575	HORIZ.- WEST WING	B1915	1	4800	VERT.- EAST WING	B1651	27	2450	Q	600	1250	600	-	-	-	-	-	-	-	VERT. - ABUTMENT
A1616	30	1050	HORIZ.- EAST WING	B1616	2	1650	HORIZ.- WEST WING	B1916	1	4700	VERT.- EAST WING	B1652	1	2125	Q	850	425	850	-	-	-	-	-	-	-	VERT. - WEST WING
A1617	30	1450	HORIZ.- WEST WING	B1617	2	700	HORIZ.- WEST WING	B1917	1	4600	VERT.- EAST WING	B1653	1	2575	Q	1075	425	1075	-	-	-	-	-	-	-	VERT. - WEST WING
				B1618	16	5375	HORIZ.- WEST WING					B1654	1	2975	Q	1275	425	1275	-	-	-	-	-	-	-	VERT. - WEST WING
A1901	33	4325	VERT.- ABUTMENT	B1619	4	800	HORIZ.- WEST WING	B2201	78	4525	FOOTING	B1655	1	3425	Q	1500	425	1500	-	-	-	-	-	-	-	VERT. - WEST WING
A1902	4	6550	VERT.- EAST WING	B1620	2	1750	HORIZ.- WEST WING	B2202	33	3625	FOOTING	B1656	1	3825	Q	1700	425	1700	-	-	-	-	-	-	-	VERT. - WEST WING
A1903	5	6800	VERT.- WEST WING	B1621	54	1900	HORIZ.- WEST WING	B2203	5	4500	FOOTING	B1657	1	4275	Q	1925	425	1925	-	-	-	-	-	-	-	VERT. - WEST WING
				B1622	13																					



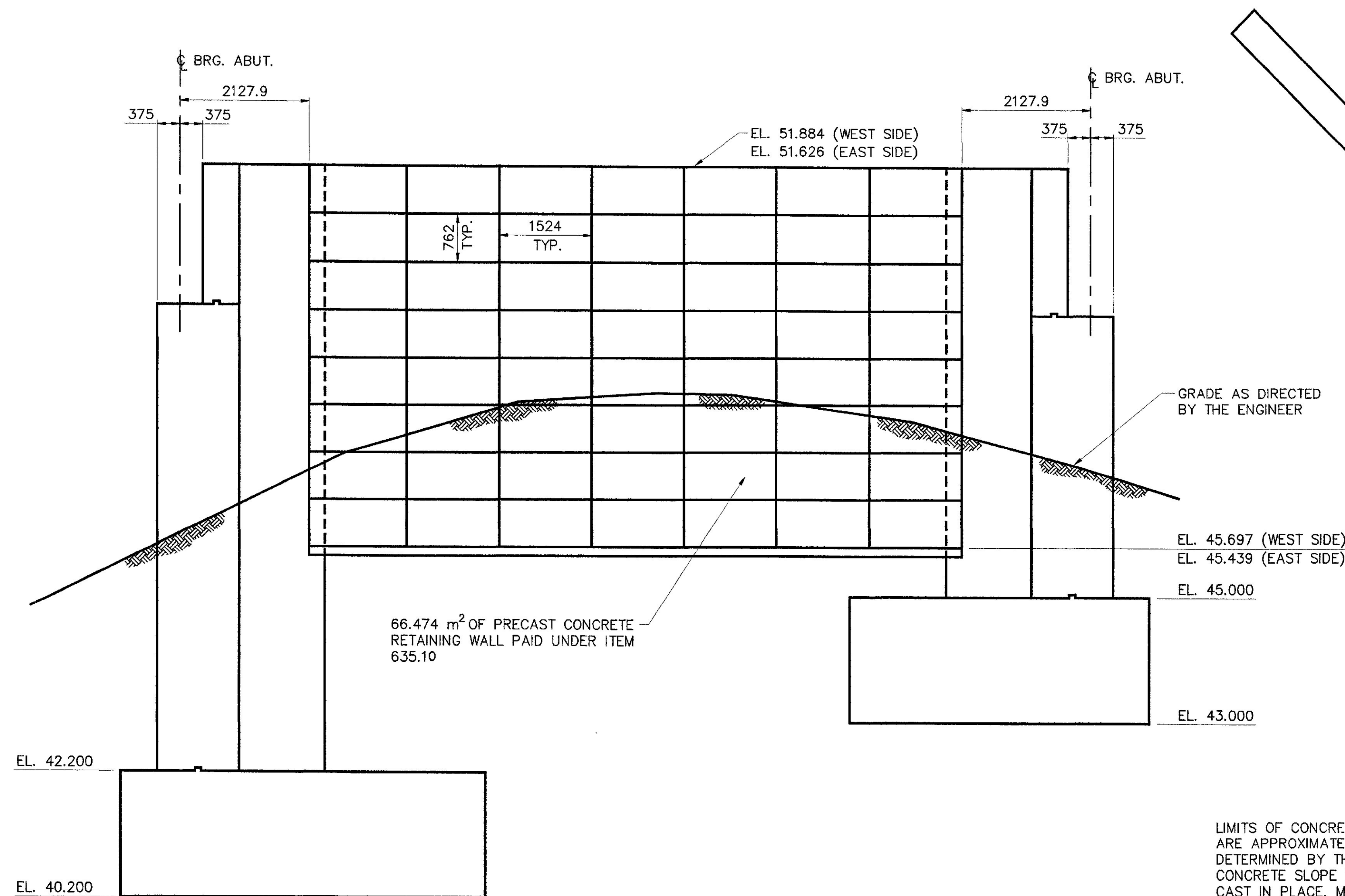
PLANS	DESIGN-DETAILED	HEC/ETC/AN	JB	2/2000	DATE
	CHECKED			2/2000	
	REVISIONS	ES.			
	FIELD CHANGES				

METRIC

1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

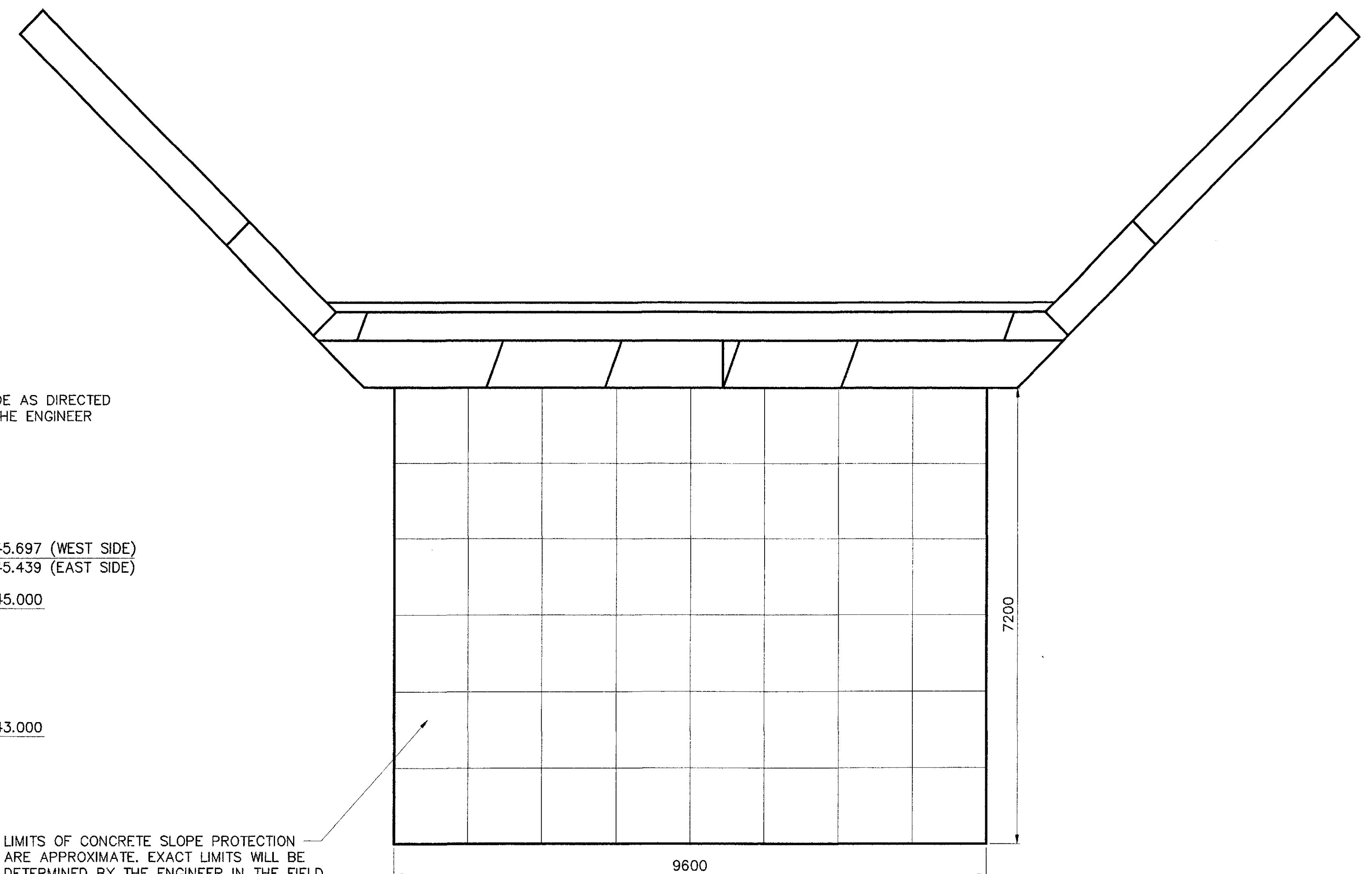
F.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	4926-00/00X	24	140

FIN 004926.00



PRECAST RETAINING WALL ELEVATION

LIMITS OF CONCRETE SLOPE PROTECTION ARE APPROXIMATE. EXACT LIMITS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD. CONCRETE SLOPE PROTECTION SHALL BE CAST IN PLACE. MATERIAL SHALL MEET REQUIREMENTS FOR CLASS A CONCRETE. CONSTRUCTION JOINTS SHALL BE MAINTAINED AT 1200 mm BOTH DIRECTIONS.



TYPICAL SLOPE PROTECTION PLAN

SIMILAR FOR ALL ABUTMENTS

BRIDGE NO. 6411 & 6412

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STILLWATER INTERCHANGE
OVER
I-95 NORTH & SOUTH BOUND
IN THE CITY OF
BANGOR
PENOBSCOT COUNTY
DETAILS

PREPARED BY COFFIN ENGINEERING & SURVEYING, LLC
RR #7 BOX 887A AUGUSTA, MAINE 04330
TELEPHONE: 207-623-9475

SHEET 24 OF 140 AUGUSTA, MAINE FEBRUARY, 2000

REVISIONS
FIELD CHANGES