


ESTIMATE OF STRUCTURE SHARE QUANTITIES

ITEM NUMBER	DESCRIPTION	UNITS	EASTBOUND BRIDGE		WESTBOUND BRIDGE	
			ENGINEER'S ESTIMATE	ACTUAL QUANTITY	ENGINEER'S ESTIMATE	ACTUAL QUANTITY
202.120001	REMOVING EXISTING SUPERSTRUCTURES	LS	1		-	
202.120002	REMOVING EXISTING SUPERSTRUCTURES	LS	-		1	
202.19	REMOVAL OF SUBSTRUCTURES	CY	61		61	
203.21	SELECT STRUCTURE FILL	CY	187		187	
204.01	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	CY	736		736	
206.01	STRUCTURE EXCAVATION	CY	521		571	
207.26	PREFABRICATED COMPOSITE STRUCTURAL DRAIN	SY	188		194	
210.3312	REMOVAL AND DISPOSAL OF BOND BREAKER/FILLER ACM (BV14)	SF	70		70	
551.60000017	FURNISHING EQUIPMENT FOR INSTALLING DRILLED SHAFTS	LS	1		1	
551.96000017	CROSSHOLE SONIC LOGGING (CSL) OF DRILLED SHAFTS	EA	4		4	
551.99495508	DRILLED SHAFTS	LF	128		143	
554.42	FILL TYPE RETAINING WALL (GREATER THAN 12 FT. - 18 FT.)	SF	591		930	
554.43	FILL TYPE RETAINING WALL (GREATER THAN 18 FT. - 24 FT.)	SF	748		342	
554.53	FILL TYPE RETAINING WALL AESTHETIC TREATMENT	SF	1,338		1,272	
555.09	CONCRETE FOR STRUCTURES, CLASS HP	CY	67		61	
555.04400008	CONCRETE FOR STRUCTURES DESIGNATED BY COMPRESSIVE STRENGTH	CY	196		192	
556.0201	UNCOATED BAR REINFORCEMENT FOR CONCRETE STRUCTURES	LB	3,056		3,136	
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	46,827		44,812	
556.0205	STAINLESS STEEL BAR REINFORCEMENT FOR STRUCTURES	LB	849		849	
557.21010016	FIELD CAST JOINTS BETWEEN PRECAST CONCRETE UNITS	LF	717		717	
557.64040108	PRECAST CONCRETE APPROACH SLAB - TYPE 1 (INTERIOR)	SF	2,547		2,547	
557.64040208	PRECAST CONCRETE APPROACH SLAB - TYPE 2 (EXTERIOR)	SF	1,059		1,059	
557.20000008	PRECAST CONCRETE SLEEPER SLAB	LF	118		118	
563.00010108	NORTHEAST EXTREME TEE - NEXT D BEAM TYPE 1 (INTERIOR)	LF	317		317	
563.00010208	NORTHEAST EXTREME TEE - NEXT D BEAM TYPE 2 (EXTERIOR)	LF	159		159	
563.11000008	PRECAST CONCRETE END DIAPHRAGM	LF	114		114	
565.1922	TYPE E.L. BEARING (56 TO 111 KIPS)	EA	24		24	
565.14210008	NON-GUIDED POLYTETRAFLUOROETHYLENE (PTFE) SLIDING BEARING	EA	24		24	
569.04	SINGLE SLOPE (HALF-SECTION) CONCRETE BRIDGE BARRIER	LF	298		298	
570.01	LEAD-EXPOSURE CONTROL PLAN	LS	1		1	
570.02	MEDICAL TESTING	DC	100		100	
570.03	PERSONAL-EXPOSURE-MONITORING SAMPLE ANALYSIS	DC	100		100	
570.04	DECONTAMINATION FACILITIES	CW	1		1	
571.03	DISPOSAL OF HAZARDOUS PAINT WASTE CONTAINING LEAD	LB	1		1	
580.01	REMOVAL OF STRUCTURAL CONCRETE	CY	5		5	
580.04	REMOVAL OF CONCRETE APPROACH SLAB	SF	534		528	
585.35010008	HORIZONTAL SLIDE AND TEMPORARY SHORING	LS	1		1	
595.98200018	SPRAY-APPLIED, WATERPROOFING MEMBRANE	SF	8,028		8,028	
606.8803	TRANSITION BETWEEN BOX BEAM GUIDE RAIL AND SINGLE SLOPE HALF SECTION CONCRETE BARRIER (ONE OR TWO WAY OPERATION)	EA	4		4	
623.12000008	CRUSHED STONE (SIZES 1 AND 2, 50% MIX EACH) (IN-PLACE MEASURE)	CY	31		31	
639.10220001	CPM (CRITICAL PATH METHOD) PROGRESS SCHEDULE - TYPE 2	LS	1		1	
698.06	STEEL/IRON PRICE ADJUSTMENT	DC	100		100	
698.93940001	INCENTIVE PAYMENTS/DISINCENTIVE ASSESSMENTS /HOURLY BASIS	LS	1		1	
697.03	FIELD CHANGE PAYMENT	DC	1		1	
699.040001	MOBILIZATION	LS	1		1	

NOTES:

- THE QUANTITIES SHOWN ON THIS SHEET REPRESENT THE STRUCTURE SHARE QUANTITIES ONLY. FOR THE PROJECT'S ESTIMATE OF QUANTITIES, PLEASE REFER TO DWG. NO. EQQ-1.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD F.J.S.H. 64-19, BREWSTER TO CT STATE LINE TOWN OF SOUTHEAST COUNTY: PUTNAM	PIN 8062.10 I 84	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
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ESTIMATE OF QUANTITIES STRUCTURE SHARES		CONTRACT NUMBER D262100
ESTIMATE OF QUANTITIES STRUCTURE SHARES		DRAWING NO. G-1 SHEET NO. 102

HNTB
5 Penn Plaza, 6th Floor
New York, New York 10001




IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
DOCUMENT NAME:

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AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12	ALTERED BY: ON:
	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:
	I-84 OVER DINGLE RIDGE ROAD F.I.S.H. 64-19, BREWSTER TO CT STATE LINE TOWN OF SOUTHEAST COUNTY: PUTNAM

PIN 8062.10 I 84	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
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INDEX OF DRAWINGS		CONTRACT NUMBER D262100
		DRAWING NO. G-2 SHEET NO. 103

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.		NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08 DOCUMENT NAME:
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 5 Penn Plaza, 6th Floor New York, New York 10001	
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NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08 DOCUMENT NAME:	
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FILE NAME = 06nyw00depr16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.cpb.G-03.tbl.est_gen_notes.dgn
 DATE/TIME = 06-AUG-2012 16:00
 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN C. BROSDIO CHECK S. LIN DRAFTING C. BROSDIO CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR

A. GENERAL NOTES

DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF JULY, 2012. FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE FOLLOWS:

- f'c = 3,000 psi FOR ABUTMENT WALLS, CHEEKWALLS AND BARRIERS
- f'c = 5,000 psi FOR ABUTMENT COLUMNS AND CAP BEAMS, DRILLED SHAFTS, SLEEPER SLABS, APPROACH SLABS, AND END DIAPHRAGMS.
- f'c = 10,000 psi FOR PRECAST PRESTRESSED BEAMS

THE COST OF ALL JOINT MATERIAL SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

LIVE LOAD: AASHTO HL-93 AND NYSDOT DESIGN PERMIT VEHICLE.

ALL SHOP DRAWINGS SUBMITTED FOR THIS PROJECT SHALL BE IN US CUSTOMARY UNITS.

THE LOAD RATINGS ARE IN ACCORDANCE WITH THE AASHTO MANUAL FOR BRIDGE EVALUATION, 2ND EDITION WITH 2011 INTERIM REVISIONS.

ONE DIRECTION OF I-84 WILL BE CLOSED TO ALL TRAFFIC DURING EACH ABC PERIOD. DINGLE RIDGE ROAD WILL BE PERMITTED TO BE CLOSED FOR A FIVE (5) DAY WINDOW, INCLUDING THE ABC PERIOD, FOR EACH BRIDGE REPLACEMENT. SEE WORKZONE TRAFFIC CONTROL PLANS FOR DETOURS.

UTILITY COMPANIES WHOSE FACILITIES ARE SHOWN ON THE PLANS OR KNOWN TO BE WITHIN THE CONSTRUCTION LIMITS SHALL BE NOTIFIED BY THE BRIDGE CONTRACTOR OF THE STARTING DATE.

ALL DIMENSIONS AND DETAILS SHOWN IN THESE PLANS PERTINENT TO NEW CONSTRUCTION IN RELATION TO EXISTING PORTIONS OF THE STRUCTURE SHALL BE VERIFIED IN THE FIELD BY THE BRIDGE CONTRACTOR BEFORE STARTING CONSTRUCTION.

THIS BRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH THE GUIDELINES CONTAINED IN THE CURRENT EDITION OF THE AASHTO MAINTENANCE MANUAL: THE MAINTENANCE AND MANAGEMENT OF ROADWAYS AND BRIDGES.

THE CONTRACTOR IS CAUTIONED THAT MATERIALS CONTAINING ASBESTOS ARE BELIEVED TO EXIST AT VARIOUS LOCATIONS ON OR IN CERTAIN STRUCTURES OF THIS CONTRACT. THESE MATERIALS WERE NOTED ON THE ORIGINAL CONTRACT PLANS OF THE STRUCTURES AND/OR DURING FIELD INSPECTIONS.

HIGH VOLTAGE ELECTRICAL LINES ARE IN PROXIMITY TO THIS BRIDGE. REFER TO SUBSECTION 107-05 OF THE STANDARD SPECIFICATIONS FOR CONTRACTOR SAFETY REQUIREMENTS.

B. FOUNDATIONS

DRILLED SHAFTS 1 AND 2 AT THE EASTBOUND BEGIN ABUTMENT WILL SUPPORT A MAXIMUM SERVICE LIMIT STATE AXIAL LOAD OF 751 AND 740 KIPS PER SHAFT, RESPECTIVELY, AND A MAXIMUM STRENGTH LIMIT STATE AXIAL LOAD OF 1016 AND 1001 KIPS, RESPECTIVELY. INSTALL THESE SHAFTS TO ACHIEVE A NOMINAL RESISTANCE OF 1870 KIPS PER SHAFT.

DRILLED SHAFTS 1 AND 2 AT THE EASTBOUND END ABUTMENT WILL SUPPORT A MAXIMUM SERVICE LIMIT STATE AXIAL LOAD OF 766 AND 772 KIPS PER SHAFT, RESPECTIVELY, AND A MAXIMUM STRENGTH LIMIT STATE AXIAL LOAD OF 1034 AND 1042 KIPS, RESPECTIVELY. INSTALL THESE SHAFTS TO ACHIEVE A NOMINAL RESISTANCE OF 1910 KIPS PER SHAFT.

DRILLED SHAFTS 1 AND 2 AT THE WESTBOUND BEGIN ABUTMENT WILL SUPPORT A MAXIMUM SERVICE LIMIT STATE AXIAL LOAD OF 748 AND 735 KIPS PER SHAFT, RESPECTIVELY, AND A MAXIMUM STRENGTH LIMIT STATE AXIAL LOAD OF 1012 AND 995 KIPS, RESPECTIVELY. INSTALL THESE SHAFTS TO ACHIEVE A NOMINAL RESISTANCE OF 1860 KIPS PER SHAFT.

DRILLED SHAFTS 1 AND 2 AT THE WESTBOUND END ABUTMENT WILL SUPPORT A MAXIMUM SERVICE LIMIT STATE AXIAL LOAD OF 759 AND 762 KIPS PER SHAFT, RESPECTIVELY, AND A MAXIMUM STRENGTH LIMIT STATE AXIAL LOAD OF 1025 AND 1029 KIPS, RESPECTIVELY. INSTALL THESE SHAFTS TO ACHIEVE A NOMINAL RESISTANCE OF 1890 KIPS PER SHAFT.

FACTORED BEARING RESISTANCE OF SOIL FOR TEMPORARY STRUCTURES IS 3 KSF. THE CONTRACTOR SHALL DESIGN TEMPORARY STRUCTURES AND TEMPORARY STRUCTURE FOUNDATIONS TO ACCOUNT FOR THE EFFECTS OF FOUNDATION SETTLEMENT ON THE SLIDE TRACK ALIGNMENT AND TO CORRECT FOR SUCH SETTLEMENTS IF NECESSARY.

C. SUBSTRUCTURE NOTES

ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1 INCH UNLESS OTHERWISE NOTED ON THE PLANS.

ALL PLACEMENTS OF SELECT STRUCTURE FILL, ITEM 203.21, SHALL BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR MAXIMUM DENSITY.

THE COST OF WATER USED FOR COMPACTION OF SELECT FILL ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.21 SELECT STRUCTURE FILL.

HIGHWAY EMBANKMENT MATERIAL (HIGHWAY ESTIMATE) AND SELECT STRUCTURE FILL, ITEM 203.21, SHALL BE PLACED SIMULTANEOUSLY, IN CONTACT, ON BOTH SIDES OF THE VERTICAL PAYMENT LINE.

THE COST OF ALL JOINT MATERIAL SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

TOP OF BACKWALLS AND SLEEPER SLABS SHALL BE STEEL TROWEL FINISHED. SHEET GASKET (TREATED BOTH SIDES), 728-06, SHALL BE PLACED ON THE TOP OF THE SLEEPER SLABS AND BACKWALLS OF FIXED AND EXPANSION ABUTMENTS. TWO SHEETS SHALL BE USED; PAYMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROACH SLAB ITEM.

ALL PLACEMENT OF CONTROLLED LOW STRENGTH MATERIAL (CLSM), ITEM 204.01, SHALL BE LIMITED TO 12 INCH MAXIMUM LIFTS WITH NO LESS THAN 24 HOURS BETWEEN LIFTS.

CLSM SHALL HAVE A MAXIMUM DENSITY OF 125 PCF.

D. SUPERSTRUCTURE NOTES

THE DETAILS FOR THE BARRIER REINFORCEMENT ARE FOR THE SLIP-FORMED OR CAST-IN-PLACE OPTION ONLY. COST OF BARRIER AND ANCHORAGE REINFORCEMENT ORIGINATING IN THE SLAB SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE BARRIER ITEM. COST OF BARRIER ANCHORAGE REINFORCEMENT ORIGINATING IN THE PRESTRESSED UNIT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PRESTRESSED UNIT ITEM.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PROVISIONS OF THE CURRENT SPECIFICATIONS FOR PERMANENT CONCRETE TRAFFIC BARRIER FOR STRUCTURES, WHICH ALLOWS THE OPTION OF THREE CONSTRUCTION METHODS: CAST-IN-PLACE, SLIP FORMED, OR PRECAST. HOWEVER, ON THIS BRIDGE, ONLY CAST-IN-PLACE AND SLIP FORMING ARE ALLOWED.

CONSTRUCTION EQUIPMENT SHALL NOT BE PERMITTED ON THE LIFTED SPAN UNITS UNTIL SHIMS, CRIBBING, BOLSTERS OR OTHER SUITABLE SUPPORTS ARE IN THEIR REQUIRED POSITION.

PRIOR TO PRECAST BEAM CONCRETE PLACEMENT DURING FABRICATION, THOROUGHLY COAT THE BEVELED FACES OF THE FORMWORK AT ALL CLOSURE JOINTS WITH AN APPROVED CONCRETE RETARDING ADMIXTURE.

AFTER FORMS ARE STRIPPED FROM PRECAST BEAMS DURING FABRICATION, USE A HIGH-PRESSURE STREAM OF WATER TO ROUGHEN THE BEVELED FACES AT ALL CLOSURE JOINTS TO AN AMPLITUDE OF 1/4 INCH WITHOUT DISPLACING COARSE AGGREGATE.

EDGES OF CLOSURE POUR SHALL BE SATURATED SURFACE DRY PRIOR TO PLACING UHPC. ALL CONCRETE FACES TO BE IN CONTACT WITH UHPC SHALL BE CLEANED AND COATED WITH AN APPROVED EPOXY BONDING AGENT PRIOR TO PLACING UHPC.

MOCKUPS OF EACH UHPC POUR SHALL BE PERFORMED PRIOR TO ACTUAL UHPC CONSTRUCTION.


USE CONTINUOUS TOP AND BOTTOM FORMS FOR UHPC JOINTS.

TWO PORTABLE BATCHING UNITS SHOULD BE USED FOR MIXING OF THE UHPC.

EACH UHPC PLACEMENT SHALL BE CAST USING ONE CONTINUOUS POUR. COLD JOINTS ARE PERMITTED ONLY AS APPROVED BY THE ENGINEER. UHPC SHALL BE PRODUCED TO FILL ANY ONE CONNECTION AREA WITHIN 30 MINUTES.


NOTES:

- 1. FOR ADDITIONAL GENERAL NOTES, SEE DWG. NO. G-4.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10 I 84	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE				
	TOWN OF SOUTHEAST				
	COUNTY: PUTNAM				
GENERAL NOTES 1 OF 2					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

HNTB 5 Penn Plaza, 6th Floor New York, New York 10001	
CONTRACT NUMBER D262100	
DRAWING NO. G-3 SHEET NO. 104	

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
DOCUMENT NAME:

FILE NAME = \\nyw006\dept\cadd\15737 TRB\Phase 4 Dingle Ridge Road\06210.cpb.G-04.tbl.est_gen_notes.dgn
 DATE/TIME = 06-AUG-2012 16:00
 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN C. BROSTO DRAFTING C. BROSTO CHECK S. LIN CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR

E. REMOVAL NOTES

EXISTING SUBSTRUCTURES SHALL BE REMOVED WITHIN THE LIMITS SHOWN ON THE PLANS UNDER ITEM 202.19 IN THE BRIDGE ESTIMATE.

EXISTING SUPERSTRUCTURES SHALL BE REMOVED UNDER ITEMS 202.120001 AND 202.120002 IN THE BRIDGE ESTIMATE.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SUBSECTION 202-3.01 GENERAL AND SAFETY REQUIREMENTS. A REMOVAL PLAN, SIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, SHALL BE SUBMITTED TO THE ENGINEER THIRTY (30) DAYS PRIOR TO BEGINNING THE DEMOLITION.

RECORD PLANS FOR THESE STRUCTURES ARE AVAILABLE AT THE REGIONAL OFFICE OF THE DEPARTMENT OF TRANSPORTATION.

THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE STATE, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

IF THE STRUCTURE HAS A BRIDGE IDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT IT DURING CONSTRUCTION OR REMOVE AND REMOUNT IT AFTER CONSTRUCTION IS COMPLETED.

WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THOSE ITEMS.

ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE STATE.

THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE APPROPRIATE ITEMS OF THE CONTRACT.

LIMITS AND METHODS FOR REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL BE AS DESCRIBED IN SUBSECTIONS 202-3.05 AND 574 OF THE STANDARD SPECIFICATIONS. THE COST OF PAINT REMOVAL SHALL BE INCLUDED IN THE LUMP SUM PRICES BID FOR THE SUPERSTRUCTURE REMOVAL ITEMS. PAINT WASTE NOT COLLECTED BY VACUUM METHODS SHALL BE COLLECTED USING THE ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEMS). WASTE SHALL BE DISPOSED OF USING THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM.

LOOSE AND/OR PEELING PAINT ON STEEL SURFACES MAY BECOME DISLODGED DURING REMOVAL OPERATIONS OR DURING TRANSPORTATION FROM THE SITE UNLESS APPROPRIATE MEASURES ARE TAKEN. THE CONTRACTOR SHALL FORMULATE AND SUBMIT A METHOD OF REMEDIATING THE CONDITION FOR APPROVAL BY THE ENGINEER. WORKER LEAD PROTECTION IN ACCORDANCE WITH OSHA 1926.62 MUST BE SATISFIED. ALTERNATIVES COULD INCLUDE TRANSPORTING AFFECTED MEMBERS IN CLOSED TRUCKS, WRAPPING AFFECTED MEMBERS PRIOR TO REMOVAL, ENCAPSULATING THE LOOSE PAINT OR REMOVAL OF LOOSE PAINT PRIOR TO DISMANTLING OPERATIONS. THE COST OF REMEDIATING THIS CONDITION SHALL BE INCLUDED IN THE LUMP SUM PRICES BID FOR THE SUPERSTRUCTURE REMOVAL ITEMS. THE USE OF ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEMS WILL BE REQUIRED. DEPENDING ON THE ALTERNATIVE CHOSEN, THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM MAY BE REQUIRED. BECAUSE OF THE ABOVE-MENTIONED CONDITION, THE CONTRACTOR SHOULD EXAMINE THE CONDITION OF THE STRUCTURE'S PAINT PRIOR TO SUBMITTING A BID.

REFER TO SUBSECTION 107-05 OF THE STANDARD SPECIFICATIONS FOR SAFETY AND HEALTH REQUIREMENTS.

F. MINIMUM FALSEWORK REQUIREMENTS


CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE FALSEWORK TO ERECT THE NEW SUPERSTRUCTURE IN ITS ENTIRETY PRIOR TO THE CLOSURE PERIOD, ACCORDING TO THE REQUIREMENTS OF SPECIAL SPECIFICATION ITEM 585.35010008, HORIZONTAL SLIDE AND TEMPORARY SHORING.

FALSEWORK SHALL BE DESIGNED FOR THE REQUIRED DEAD LOADS AND SHALL CONSIDER APPROPRIATE LIVE LOAD AND LATERAL LOADS FOR STABILITY. MINIMIZATION OF SETTLEMENT SHOULD BE CONSIDERED IN THE DESIGN.

FALSEWORK DESIGN AND DETAILS SHALL BE PREPARED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK AND SHALL BE SUBMITTED TO THE DCES FOR REVIEW NO LESS THAN 30 DAYS PRIOR TO BEGINNING ERECTION OF FALSEWORK.



NOTES:

- 1. FOR ADDITIONAL GENERAL NOTES, SEE DWG. NO. G-3.

AFFIX SEAL: ON: 08/06/12	HNTB NY ENGINEERING & ARCHITECTURE, P.C.	ALTERED BY: ON:
		

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84			GENERAL NOTES 2 OF 2
	TOWN OF SOUTHEAST				
	COUNTY: PUTNAM				

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

 5 Penn Plaza, 6th Floor New York, New York 10001	
CONTRACT NUMBER	
D262100	
DRAWING NO. G-4	
SHEET NO. 105	

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.opb.G-05_det.mis_constr_seq.dgn
 DATE/TIME = 06-AUG-2012 16:00
 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN C. BROSTIO DRAFTING C. BROSTIO CHECK S. LIN CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR

A. GENERAL INSTALLATION PROCEDURE:

- A1. DO NOT SLIDE SUPERSTRUCTURE ONTO SUBSTRUCTURE UNTIL THE COMPRESSIVE TEST RESULTS DEMONSTRATE THE SUBSTRUCTURE CONCRETE HAS REACHED THE SPECIFIED MINIMUM VALUES.
- A2. SURVEY THE TOP ELEVATION OF THE SUBSTRUCTURES. ESTABLISH WORKING POINTS, WORKING LINES, AND BENCHMARK ELEVATIONS PRIOR TO PERFORMING LATERAL SLIDE.
- A3. LIFT AND ERECT MODULES USING LIFTING DEVICES AS SHOWN ON THE SHOP DRAWINGS IN CONFORMANCE WITH THE ASSEMBLY PLANS.
- A4. SET MODULE IN THE PROPER LOCATION. SURVEY THE TOP ELEVATION OF THE MODULES. VERIFY PROPER LINE AND GRADE WITHIN SPECIFIED TOLERANCES.
- A5. TEMPORARILY SUPPORT, ANCHOR, AND BRACE ALL ERECTED MODULES AS NECESSARY FOR STABILITY AND TO RESIST WIND OR OTHER LOADS UNTIL THEY ARE PERMANENTLY SECURED TO THE STRUCTURE. SUPPORT, ANCHOR, AND BRACE ALL MODULES AS DETAILED IN THE ASSEMBLY PLAN.
- A6. DIFFERENCES IN CAMBER BETWEEN ADJACENT MODULES SHIPPED TO THE SITE SHALL NOT EXCEED THE PRESCRIBED LIMITS.
- A7. FORM, CAST AND CURE UHPC CLOSURE POURS AS DETAILED IN THE PLANS AND SPECIFICATION.

B. GENERAL CONSTRUCTION SEQUENCE

- B1. FOLLOWING IS THE ANTICIPATED CONSTRUCTION SEQUENCE FOR PRE ABC, ABC, AND POST ABC ACTIVITIES. STAGING IS DESCRIBED FOR ONE BRIDGE. REPLACEMENT OF THE OTHER BRIDGE WILL BE DONE USING A SIMILAR APPROACH. PRE ABC ACTIVITIES MAY PROCEED SIMULTANEOUSLY FOR BOTH BRIDGES. THE ABC WINDOW FOR EACH BRIDGE SHALL OCCUR ON SEPARATE WEEKENDS.
- B2. EACH CLOSURE OF THE ROADWAY CROSSING IS EXPECTED TO LAST ONE NIGHT (16 HOURS) TO ALLOW FOR THE RAPID DEMOLITION OF THE EXISTING BRIDGE AND SLIDE-IN OF THE NEW SUPERSTRUCTURE.
- B3. CONTRACTOR SHALL PROVIDE A CRITICAL PATH METHOD (CPM) SCHEDULE FOR ALL PRE ABC, ABC, AND POST ABC ACTIVITIES SHOWING HOW THE ACTIVITIES WILL BE MANAGED ON THE TIGHT CONSTRUCTION SITE. IT IS NOTED THAT MANY OF THE PRE ABC STAGING ACTIVITIES CAN RUN CONCURRENTLY TO OTHER ACTIVITIES. CONTRACTOR IS ALERTED THAT MANY ABC STAGING ACTIVITIES REQUIRE OVERLAPPING ACCESS (IN PARTICULAR DEMOLITION OF STRUCTURE AND INSTALLATION OF PRECAST SLEEPER SLAB AND ABUTMENT BACKWALL).

B4. PRE ABC STAGING:

- REMOVE ASBESTOS CONTAINING BOND BREAKER AT ABUTMENTS BACKWALLS.
- CONSTRUCT ABUTMENT DRILLED SHAFT FOUNDATIONS, COLUMNS, AND CAP BEAMS TO THE SLIDE ELEVATION.
- WIDEN THE APPROACHES FROM TWO LANES TO THREE LANES, MATCHING THE ELEVATION OF THE EXISTING ROADWAY.
- PLACE PRECAST SLEEPER SLABS ON WIDENED SECTIONS.
- ERECT TEMPORARY FALSEWORK WITH SLIDING TRACKS TO THE NORTH OF EACH EXISTING BRIDGE.
- CONSTRUCT ABUTMENT BREASTWALLS.
- INSTALL FILL TYPE RETAINING WALLS. CONSTRUCT ADJACENT WINGWALLS AT EACH ABUTMENT SIMULTANEOUSLY. BACKFILL ABUTMENTS WITH COMPACTED STRUCTURAL FILL AS WINGWALL CONSTRUCTION PROGRESSES, MAINTAINING BACKFILL TO THE TOP OF THE MOST RECENTLY COMPLETED MODULAR WALL ROW.
- ERECT END DIAPHRAGM MODULES WITH SLIDING SHOES.
- ERECT NEXT BEAMS AND PRECAST APPROACH SLAB MODULES ON TEMPORARY FALSEWORK.
- CAST UHPC LONGITUDINAL CLOSURE POURS.
- CAST END DIAPHRAGM CLOSURE POUR.
- SETUP DETOUR SIGNS.

B5. ABC STAGING (ABC PERIOD):

- CLOSE I-84 AND DIVERT TRAFFIC FROM STRUCTURE ONTO ROUTE 6.
- DEMOLISH EXISTING BRIDGE AND REMOVE EXISTING APPROACH SLABS AS SHOWN.
- PLACE PRECAST SLEEPER SLABS (CENTER SECTIONS).
- RAISE EXISTING TWO LANES OF EXISTING APPROACH ROADWAYS TO THE NEW PROFILE. INSTALL TEMPORARY APPROACH BARRIERS.
- SLIDE SUPERSTRUCTURE AND APPROACH SLABS INTO PLACE.
- INSTALL EXPANSION JOINTS.
- RE-ROUTE TRAFFIC ONTO THE NEW STRUCTURE. (APPROACH SLABS WILL TEMPORARILY CARRY TRAFFIC LOADS, SPANNING IN THE LONGITUDINAL DIRECTION).

B5. POST ABC STAGING:

- DEMOLISH TEMPORARY FALSEWORK.
- INSTALL WINGWALL CAP SEGMENTS.
- BACKFILL BENEATH THE APPROACH SLABS WITH CONTROLLED LOW-STRENGTH FLOWABLE FILL TO CREATE POSITIVE CONTACT BETWEEN THE APPROACH SLABS AND UNDERLYING SUBGRADE.
- RAISE THE WIDENED ROADWAY TO THE SAME ELEVATION AS THE RAISED SECTION CARRYING TWO LANES.
- APPLY FINAL 2" ASPHALT COURSE ACROSS THE NEW APPROACH ROADWAYS AND BRIDGE TO MEET THE FINAL PROFILE.
- INSTALL APPROACH RAILING.
- REMOVE TEMPORARY BARRIER.
- COMPLETE OTHER APPROACH WORK.

C. APPROXIMATE ABC TIMEFRAME


- C1. THERE SHALL BE TWO EQUAL ABC TIME FRAMES, ONE FOR THE REPLACEMENT OF THE EASTBOUND BRIDGE AND ONE FOR THE REPLACEMENT OF THE WESTBOUND BRIDGE. THESE ABC WINDOWS SHALL OCCUR ON SEPARATE WEEKENDS, AS APPROVED BY THE ENGINEER, COMMENCING ON SATURDAY NIGHT AND EXTENDING THROUGH SUNDAY MORNING. THEY COULD BE DONE ON SUCCESSIVE WEEKENDS AS APPROVED BY NYSDOT.
- C2. EACH ABC TIME FRAME IS CONSIDERED TO BEGIN WITH THE CLOSURE OF THE EXISTING CROSSING AND TO END WHEN TRAFFIC IS REROUTED OVER THE NEW BRIDGE.
- C3. FOLLOWING IS THE PROPOSED SCHEDULE OF THE ANTICIPATED ABC TIME FRAME FOR THE REPLACEMENT OF ONE OF THE I-84 BRIDGES OVER DINGLE RIDGE ROAD.

TIME	BRIDGE ACTIVITY	MAXIMUM ANTICIPATED DURATION
8:00 PM SATURDAY	REROUTE TRAFFIC TO ROUTE 6	-
8:00 PM SATURDAY	REMOVE DECK FROM EXISTING BRIDGE	6 HRS
10:00 PM SATURDAY	PLACE SLEEPER SLABS AND COMMENCE APPROACH WORK	2 HRS
2:00 AM SUNDAY	REMOVE STEEL GIRDERS FROM EXISTING BRIDGE	2 HRS
4:00 AM SUNDAY	REMOVE SUBSTRUCTURE TO ELEVATION BELOW ELEVATION OF SLIDE	4 HRS
8:00 AM SUNDAY	SLIDE IN NEW BRIDGE	4 HRS
12:00 PM SUNDAY	OPEN BRIDGE TO TRAFFIC	-
8:00 PM SATURDAY TO 12:00 PM SUNDAY	ABC TIMEFRAME	16 HRS

TIME DURATION FOR INDIVIDUAL ACTIVITIES MAY VARY. HOWEVER, TOTAL ABC DURATION SHALL NOT EXCEED 16 HOURS.

NOTES:

- 1. FOR SUGGESTED CONSTRUCTION SEQUENCE STAGES, SEE DWG. NO. G-6.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10 I 84	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE				
	TOWN OF SOUTHEAST				
	COUNTY: PUTNAM				
SUGGESTED CONSTRUCTION SEQUENCE 1 OF 2			CONTRACT NUMBER D262100	DRAWING NO. G-5	SHEET NO. 106

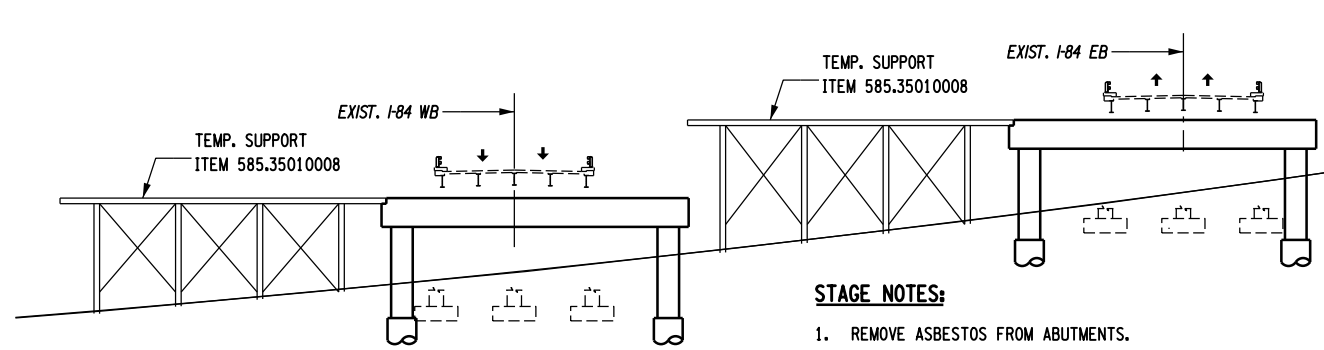
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NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
DOCUMENT NAME:



FILE NAME = 06nyw006dep1focadd045737 TRB@Phase 4 Dingle Ridge Road0606210_cpb_c-06_det_mis_constr_seq.dgn
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 USER = pella

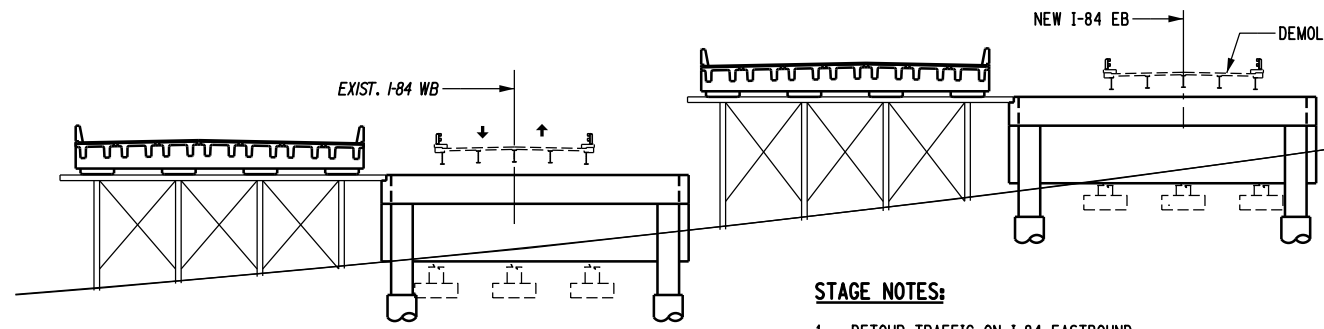
DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN S. LIN CHECK C. BROSTO DRAFTING P. R. ELLA CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR



STAGE 1 (PRE-ABC)

STAGE NOTES:

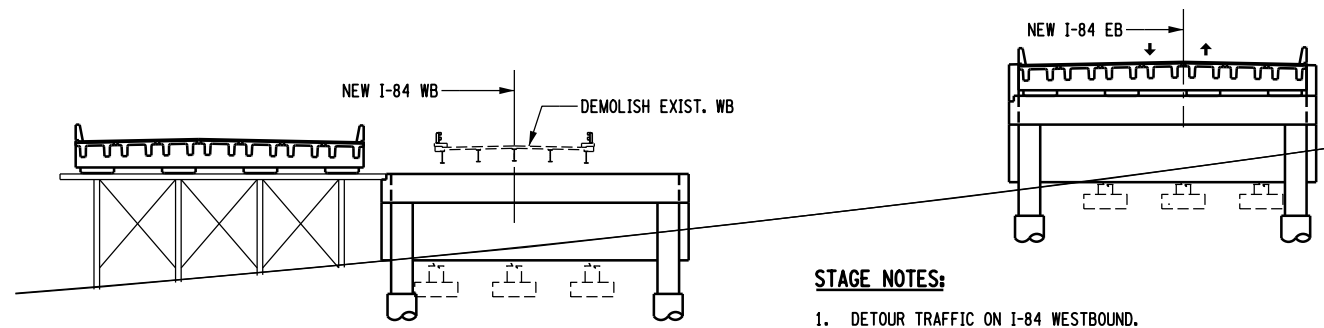
1. REMOVE ASBESTOS FROM ABUTMENTS.
2. INSTALL NEW ABUTMENT DRILLED SHAFTS, COLUMNS AND CAP BEAMS TO SLIDE ELEVATION.
3. WIDEN APPROACHES.
4. INSTALL EASTBOUND TEMPORARY SUPPORTS FOR SUPERSTRUCTURE AND APPROACHES.
5. INSTALL WESTBOUND TEMPORARY SUPPORTS FOR SUPERSTRUCTURE AND APPROACHES.



STAGE 3 (ABC PERIOD)

STAGE NOTES:

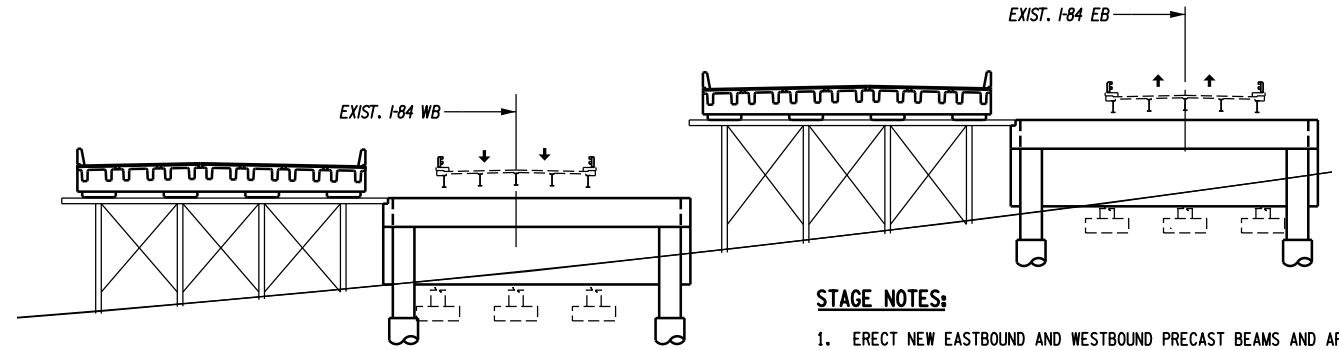
1. DETOUR TRAFFIC ON I-84 EASTBOUND.
2. DEMOLISH EXISTING I-84 EASTBOUND BRIDGE.
3. RAISE EXISTING TWO LANES ON I-84 EASTBOUND APPROACHES.
4. SLIDE-IN NEW I-84 EASTBOUND SUPERSTRUCTURE.



STAGE 5 (ABC PERIOD)

STAGE NOTES:

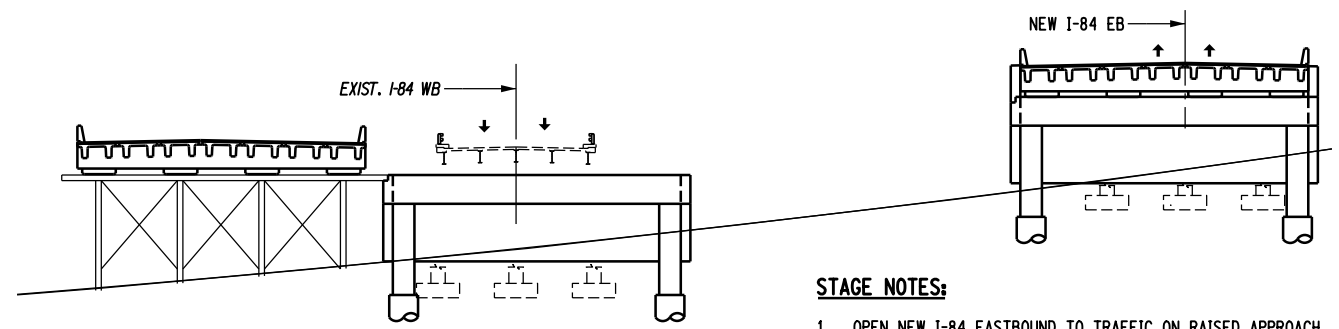
1. DETOUR TRAFFIC ON I-84 WESTBOUND.
2. DEMOLISH EXISTING I-84 WESTBOUND BRIDGE.
3. RAISE EXISTING TWO LANES ON I-84 WESTBOUND APPROACHES.
4. SLIDE-IN NEW I-84 WESTBOUND SUPERSTRUCTURE.



STAGE 2 (PRE-ABC)

STAGE NOTES:

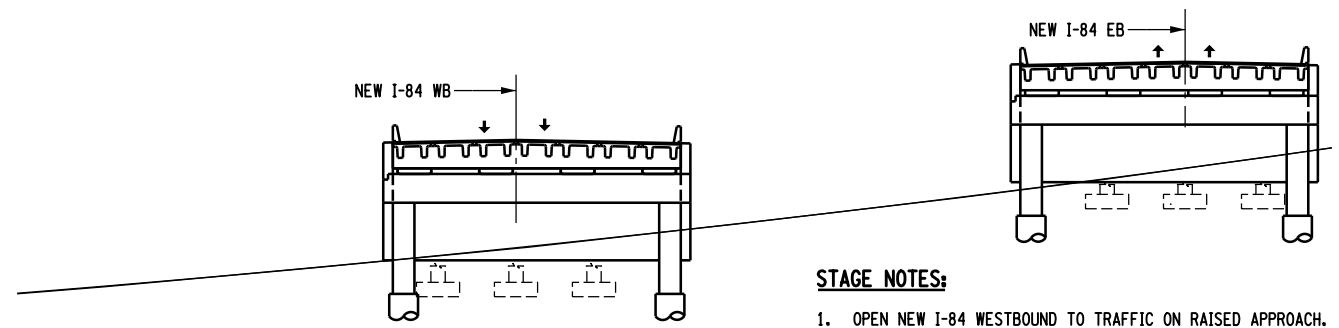
1. ERECT NEW EASTBOUND AND WESTBOUND PRECAST BEAMS AND APPROACH SLABS ON TEMPORARY SUPPORTS.
2. INSTALL ABUTMENT BREAST WALLS AND WINGWALLS, BACKFILL TO SLIDE ELEVATION.



STAGE 4 (POST ABC PERIOD)

STAGE NOTES:

1. OPEN NEW I-84 EASTBOUND TO TRAFFIC ON RAISED APPROACH.
2. DEMOLISH TEMPORARY SUPPORTS.
3. FINISH WINGWALL INSTALLATION ABOVE SLIDE ELEVATION.
4. PUMP FLOWABLE BACKFILL AT EASTBOUND ABUTMENTS.
5. COMPLETE APPROACH WIDENING.



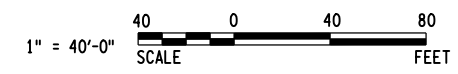
STAGE 6 (POST ABC PERIOD)

STAGE NOTES:

1. OPEN NEW I-84 WESTBOUND TO TRAFFIC ON RAISED APPROACH.
2. DEMOLISH TEMPORARY SUPPORTS.
3. FINISH WINGWALL INSTALLATION ABOVE SLIDE ELEVATION.
4. PUMP FLOWABLE BACKFILL AT WESTBOUND ABUTMENTS.
5. COMPLETE APPROACH WIDENING.

NOTES:

1. ALL SECTIONS ARE LOOKING UP STATION TO THE EAST.
2. SEE DWG. NO. G-5 FOR GENERAL CONSTRUCTION SEQUENCE.
3. STAGE 3 AND STAGE 5 OCCUR ON SEPARATE WEEKENDS.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



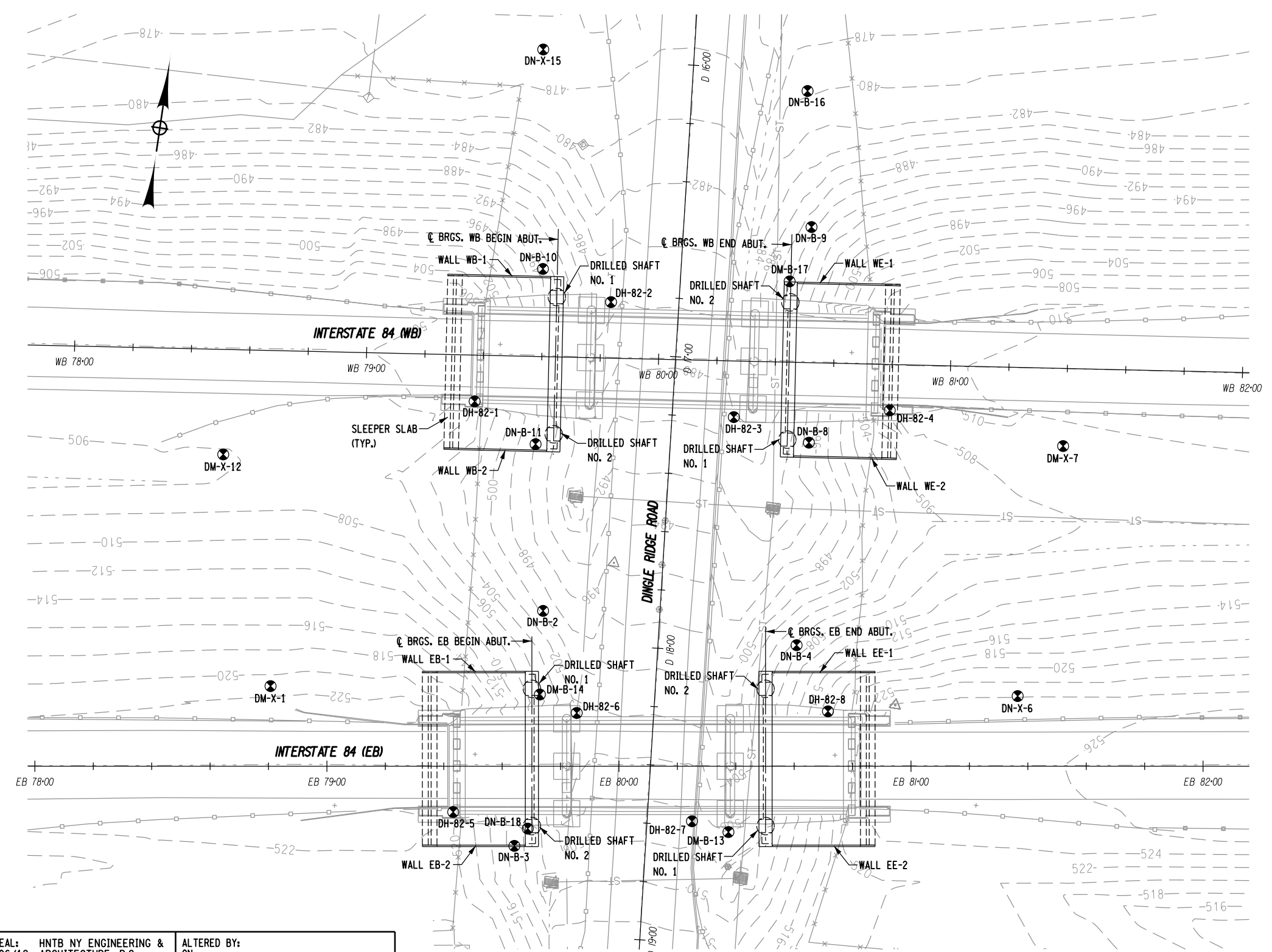
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		SUGGESTED CONSTRUCTION SEQUENCE	D262100
	TOWN OF SOUTHEAST		BIN 1032622		2 OF 2	DRAWING NO. G-6
	COUNTY: PUTNAM					SHEET NO. 107

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NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road06210.cpb.G-07_gen_fnd_layout.dgn
 DATE/TIME = 06-AUG-2012 16:00
 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN J. JUZWIN
 CHECK M. RIEGEL
 DRAFTING J. JUZWIN
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR

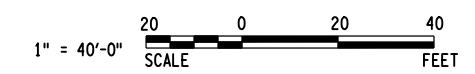


- NOTES:**
- BORING COORDINATES ARE PROVIDED IN REFERENCE TO THE NAD83 HORIZONTAL DATUM, NEW YORK EAST STATE PLANE COORDINATE SYSTEM. ALL COORDINATES ARE GIVEN IN SURVEY FEET.
 - BORING ELEVATIONS ARE PROVIDED IN REFERENCE TO THE NGVD 29 VERTICAL DATUM. ELEVATIONS ARE GIVEN IN FEET.

LEGEND:
 ⊗ GEOTECHNICAL BORING LOCATION.

BORING COORDINATE TABLE			
NAME	NORTHING	EASTING	ELEVATION
DM-X-1	930747.8	750096.6	521.0
DN-B-2	930786.9	750185.2	499.5
DN-B-3	930705.8	750187.1	513.1
DN-B-4	930787.8	750272.8	506.7
DN-X-6	930781.6	750350.2	523.9
DM-X-7	930868.5	750353.2	509.5
DN-B-8	930857.1	750266.9	494.9
DN-B-9	930930.2	750257.0	489.4
DN-B-10	930902.7	750168.1	492.9
DN-B-11	930843.0	750174.4	495.9
DM-X-12	930823.9	750069.0	506.0
DM-B-13	930721.1	750259.0	507.2
DM-B-14	930758.4	750188.3	505.6
DN-X-15	930977.0	750157.3	476.9
DN-B-16	930976.1	750248.9	479.7
DM-B-17	930910.7	750252.3	488.9
DN-B-18	930712.3	750190.8	510.4
DH-82-1	930854.4	750151.6	499.6
DH-82-2	930894.8	750192.9	485.2
DH-82-3	930862.0	750240.2	496.9
DH-82-4	930872.0	750292.7	490.5
DH-82-5	930714.2	750164.7	518.2
DH-82-6	930753.9	750201.7	513.0
DH-82-7	930723.0	750246.1	506.0
DH-82-8	930767.0	750286.7	505.9

FOUNDATION LAYOUT PLAN



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
 F.I.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84
 BRIDGES
 1032621
 1032622

CULVERTS
 ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 GENERAL LOCATION AND FOUNDATION LAYOUT PLAN

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

CONTRACT NUMBER
 D262100

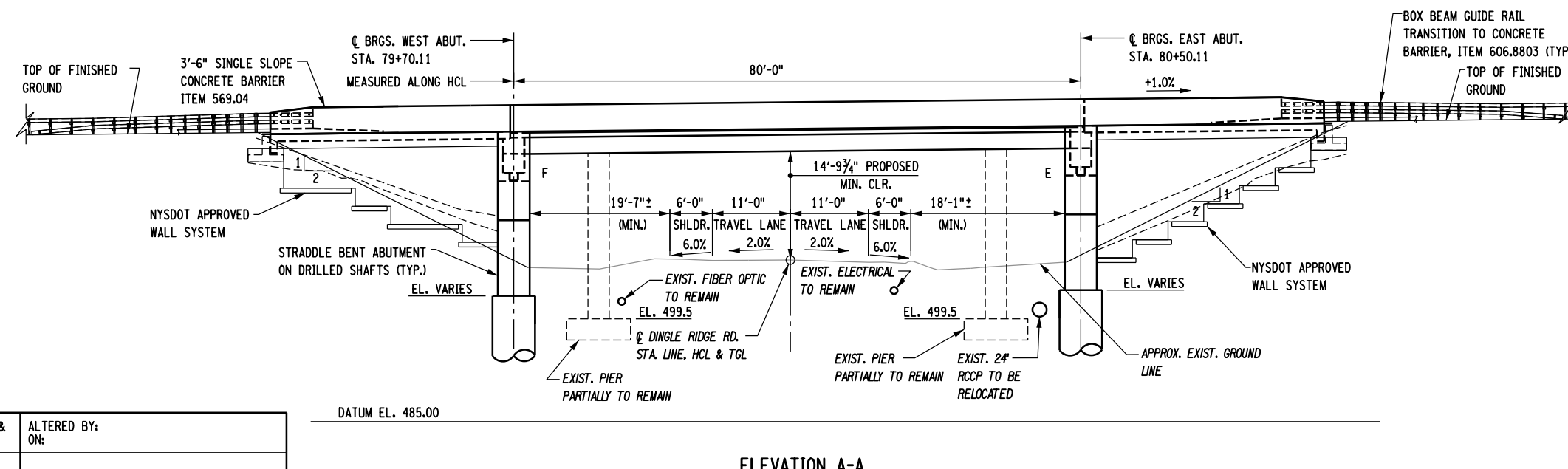
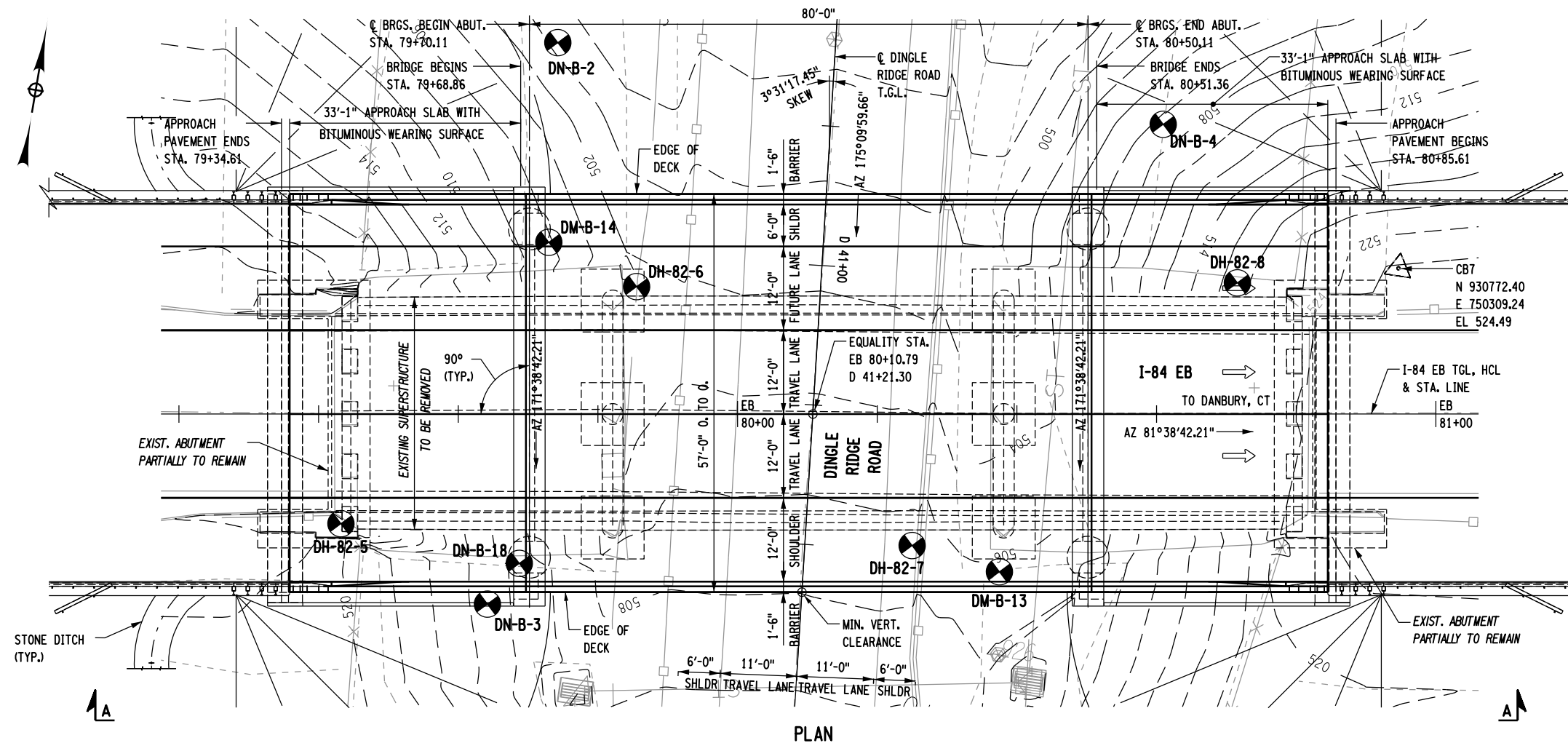
DRAWING NO. G-7
 SHEET NO. 108

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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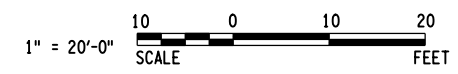
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 DATE/TIME = 27-AUG-2012 04:18
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR PROJECT MANAGER B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR CHECK S. LIN
 DRAFTING P. R. ELLA CHECK C. BROSTO
 DESIGN S. LIN



- NOTES:**
- FOR GENERAL NOTES, SEE DWG. NOS. G-3 AND G-4.
 - FOR TYPICAL CROSS SECTIONS, SEE DWG. NOS. ST1-2 AND ST1-3.
 - THERE ARE NO EXISTING OR PROPOSED SIDEWALKS FOR DINGLE RIDGE ROAD.
 - ABUTMENT WALL AND WINGWALL SYSTEMS SHALL BE FINISHED WITH AN AESTHETIC TREATMENT; SEE HIGHWAY MISCELLANEOUS DETAILS.
 - ALL WORK ASSOCIATED WITH THE REMOVAL OF THE EXISTING SUPERSTRUCTURE SHALL BE INCLUDED UNDER ITEM 202.120001, REMOVING EXISTING SUPERSTRUCTURES.

LOAD RATING (LOAD FACTOR)		
INVENTORY	HS 23	42.0 TONS
OPERATING	HS 44	79.7 TONS
LOAD RATING (LRF)		
INVENTORY	HL 93	1.283 FACTOR
OPERATING	HL 93	1.875 FACTOR



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		
	TOWN OF SOUTHEAST		BIN 1032622		
	COUNTY: PUTNAM				

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

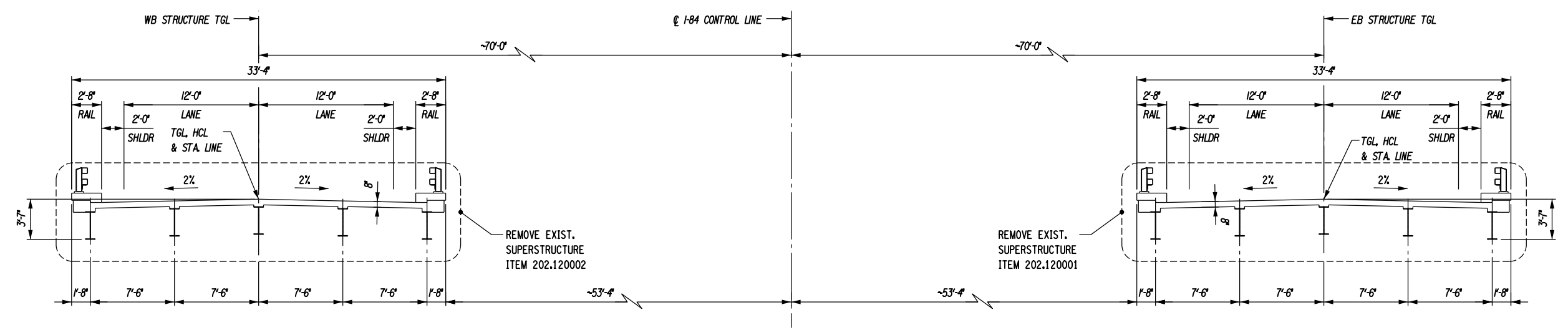
CONTRACT NUMBER: D262100
 DRAWING NO. ST1-1
 SHEET NO. 109

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

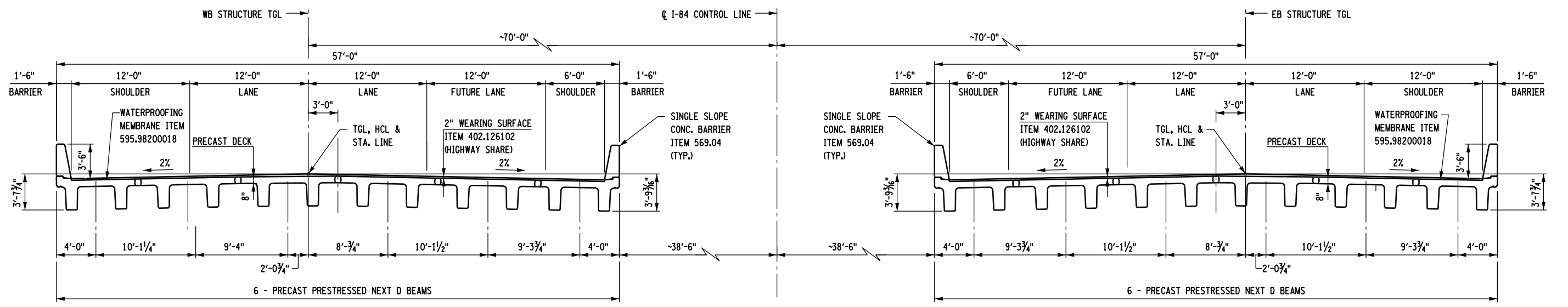
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0806210.apb.ST1-02_sec.Typ.EB.bridg.dgn
 DATE/TIME = 06-AUG-2012 16:00
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN S. LIN CHECK C. BROSTO DRAFTING S. LAM CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR



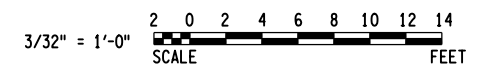
EXISTING STRUCTURES SECTION



PROPOSED STRUCTURES SECTION

NOTES:

- FOR TYPICAL SECTIONS THROUGH APPROACH SLABS, SEE DWG. NO. ST1-3.
- FOR EASTBOUND STRUCTURE GENERAL PLAN AND ELEVATION, SEE DWG. NO. ST1-1.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 EASTBOUND TYPICAL BRIDGE SECTIONS	D262100
	TOWN OF SOUTHEAST		BIN 1032622			DRAWING NO. ST1-2
	COUNTY: PUTNAM					SHEET NO. 110

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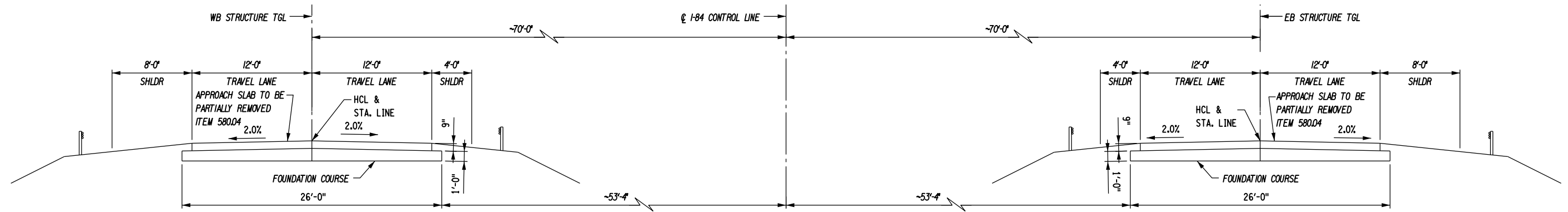
I-84 EASTBOUND TYPICAL BRIDGE SECTIONS

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 New York, New York 10001

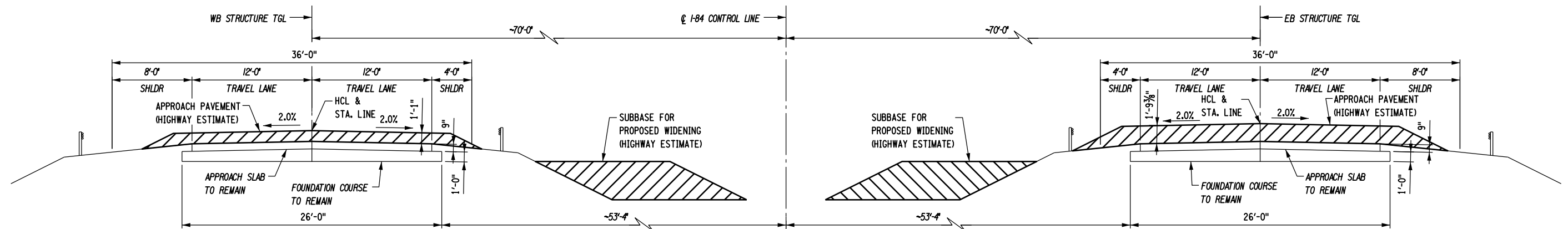
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 SHEET NO.: 110

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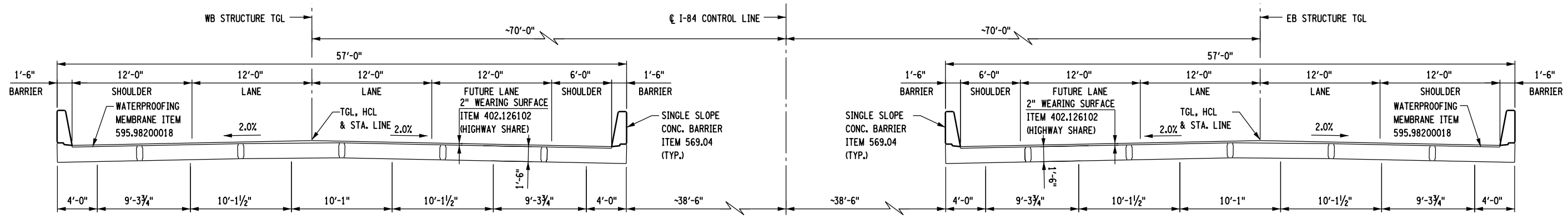
DESIGN SUPERVISOR B. SIVAKUMAR
 DESIGN S. LIN
 CHECK C. BROSTO
 DRAFTING C. BROSTO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



EXISTING APPROACH SLABS SECTION



PROPOSED HIGHWAY SECTION AT EXISTING APPROACH SLAB AT END OF ABC CLOSURE



PROPOSED APPROACH SLABS SECTION

NOTES:

- FOR TYPICAL SECTIONS THROUGH SUPERSTRUCTURE, SEE DWG. NO. ST1-2.
- FOR EASTBOUND STRUCTURE GENERAL PLAN AND ELEVATION, SEE DWG. NO. ST1-1.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



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	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 EASTBOUND	D262100
	TOWN OF SOUTHEAST		BIN 1032622		TYPICAL APPROACH SLAB SECTIONS	DRAWING NO. ST1-3
	COUNTY: PUTNAM					SHEET NO. 111

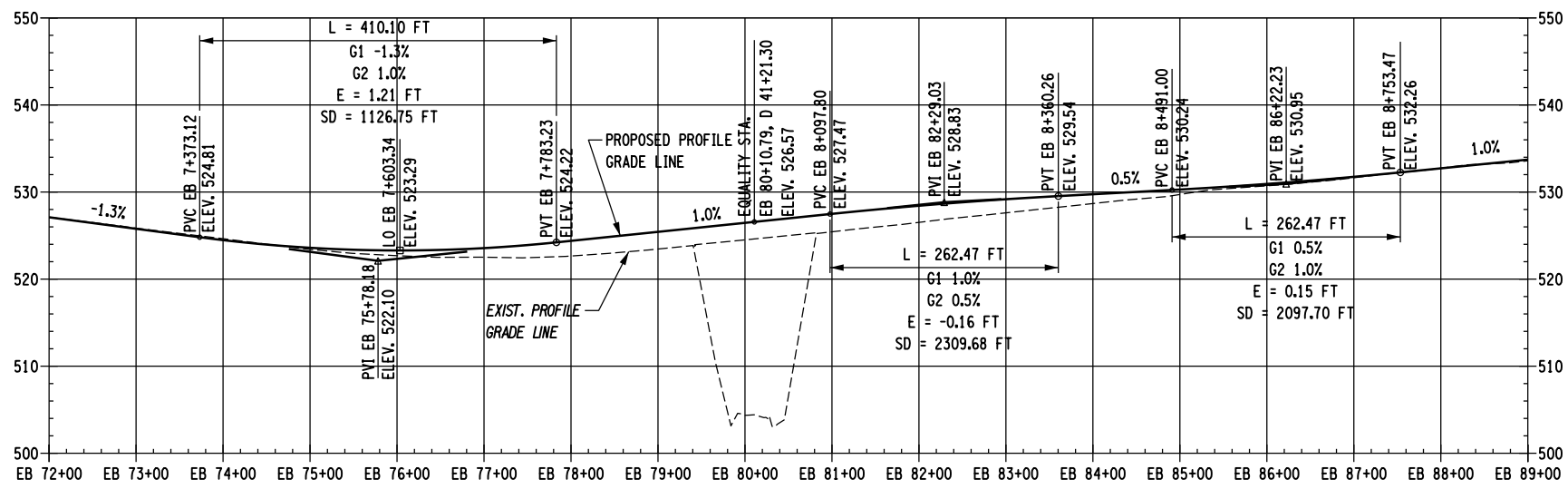
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NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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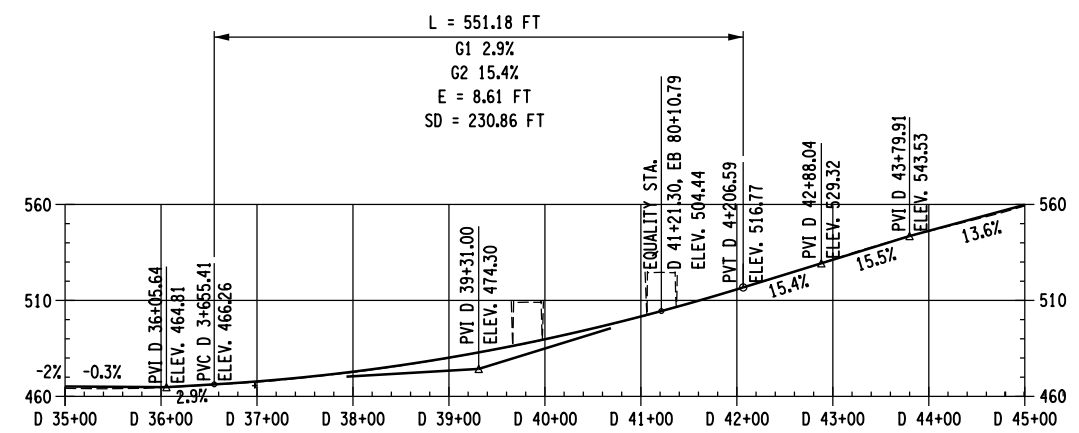


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 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN S. LIN DRAFTING C. BROSDIO CHECK C. BROSDIO PROJECT MANAGER B. SIVAKUMAR



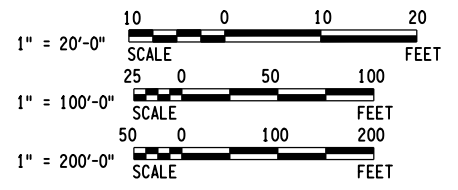
PROFILE GRADE LINE - I-84 EASTBOUND
 1" = 200'-0" (HORIZONTAL); 1" = 20'-0" (VERTICAL)



PROFILE GRADE LINE - DINGLE RIDGE ROAD
 1" = 200'-0" (HORIZONTAL); 1" = 100'-0" (VERTICAL)

NOTES:

- 1. FOR EASTBOUND STRUCTURE GENERAL PLAN AND ELEVATION, SEE DWG. NO. ST1-1.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12
 ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
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	TOWN OF SOUTHEAST		BIN 1032622			DRAWING NO. ST1-4
	COUNTY: PUTNAM					SHEET NO. 112

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 DATE/TIME = 06-AUG-2012 16:01
 USER = pella

PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING J. JUZWIN
 CHECK M. RIEGEL
 DESIGN J. JUZWIN
 JOB MANAGER B. SIVAKUMAR
 DESIGN SUPERVISOR B. SIVAKUMAR

GENERAL NOTES

- 1.) SOUND ENGINEERING JUDGMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HEREON. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR STATE DESIGN AND ESTIMATE PURPOSES ONLY. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE STATE. THIS IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT OF THE CONTRACTOR.
- 2.) GENERAL SOIL AND ROCK (WHERE ENCOUNTERED) STRATUM DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON AN ENGINEERING INTERPRETATION OF ALL AVAILABLE SUBSURFACE INFORMATION BY THE GEOTECHNICAL ENGINEERING BUREAU AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATIONS OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE SUBSURFACE EXPLORATION LOGS.
- 3.) THE OBSERVED WATER LEVELS AND/OR CONDITIONS INDICATED ON THE SUBSURFACE PROFILES ARE AS RECORDED AT THE TIME OF EXPLORATION. ACTUAL WATER LEVELS MAY DIFFER FROM THE OBSERVED WATER LEVEL BECAUSE OF LIMITATIONS IN THE NUMBER AND DURATION OF OBSERVATIONS AND WILL VARY WITH CHANGES IN CLIMATE AND RAINFALL.
- 4.) ALL STRUCTURE DETAILS AND FOOTING ELEVATIONS SHOWN HEREON ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN ON THE CONTRACT PLANS.

LEGEND

THE FOLLOWING TABLES SUMMARIZE THE DESCRIPTIVE INFORMATION USED ON THIS PROFILE.

DENSITY (NON-PLASTIC SOILS)	SPT-N VALUE: NO. OF BLOWS PER 1 FT. OF PENETRATION OF A 2 IN. O.D. (1 1/8" I.D.) SAMPLER USING A 140 LB. DROP HAMMER, 30 IN. FALL.
VERY LOOSE	0-4
LOOSE	5-10
MEDIUM COMPACT	11-24
COMPACT	25-50
VERY COMPACT	OVER 50
CONSISTENCY (PLASTIC SOILS)	
VERY SOFT	0-1
SOFT	2-4
MEDIUM STIFF	5-8
STIFF	9-15
VERY STIFF	16-30
HARD	OVER 30

BORING KEY

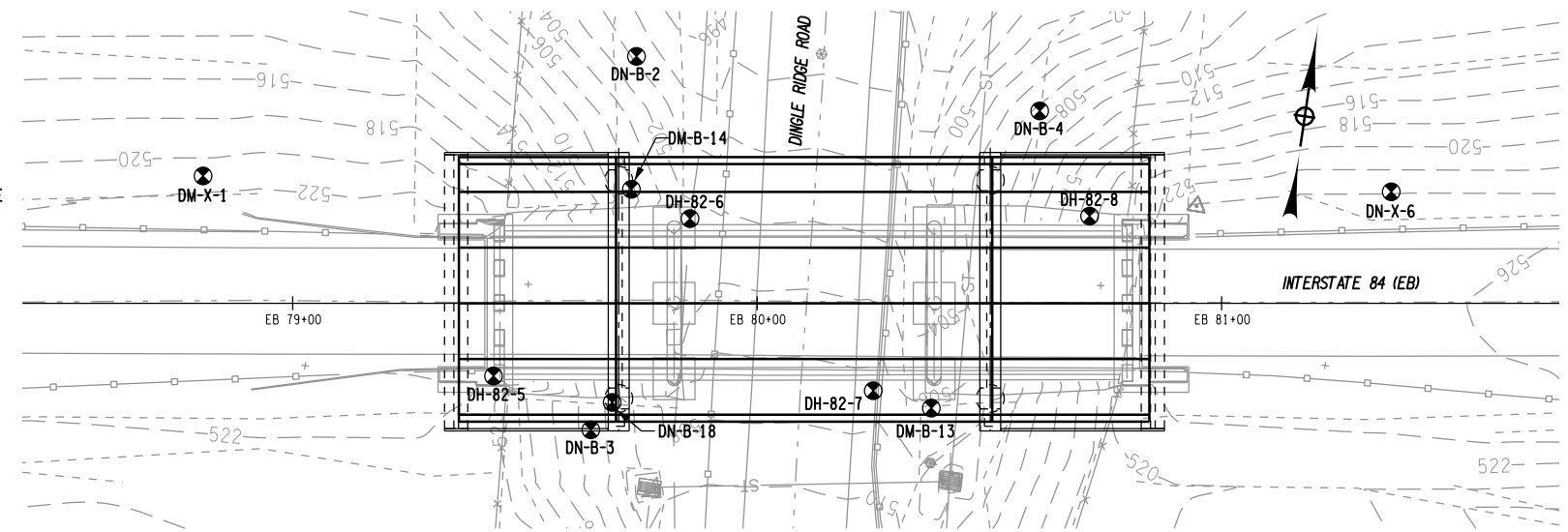
- DX-X-# BORING NAME/NUMBER
- [Symbol] SILTY SAND, GRAVELLY WITH MICA
- [Symbol] ESTIMATED GROUND WATER LEVEL DURING DRILLING
- # UNCORRECTED SPT-N VALUE
- [Symbol] GRAVEL
- [Symbol] SANDY SILT, GRAVELLY
- [Symbol] COBBLES, BOULDERS
- [Symbol] DECOMPOSED/WEATHERED BEDROCK
- [Symbol] SOUND BEDROCK

LEGEND:

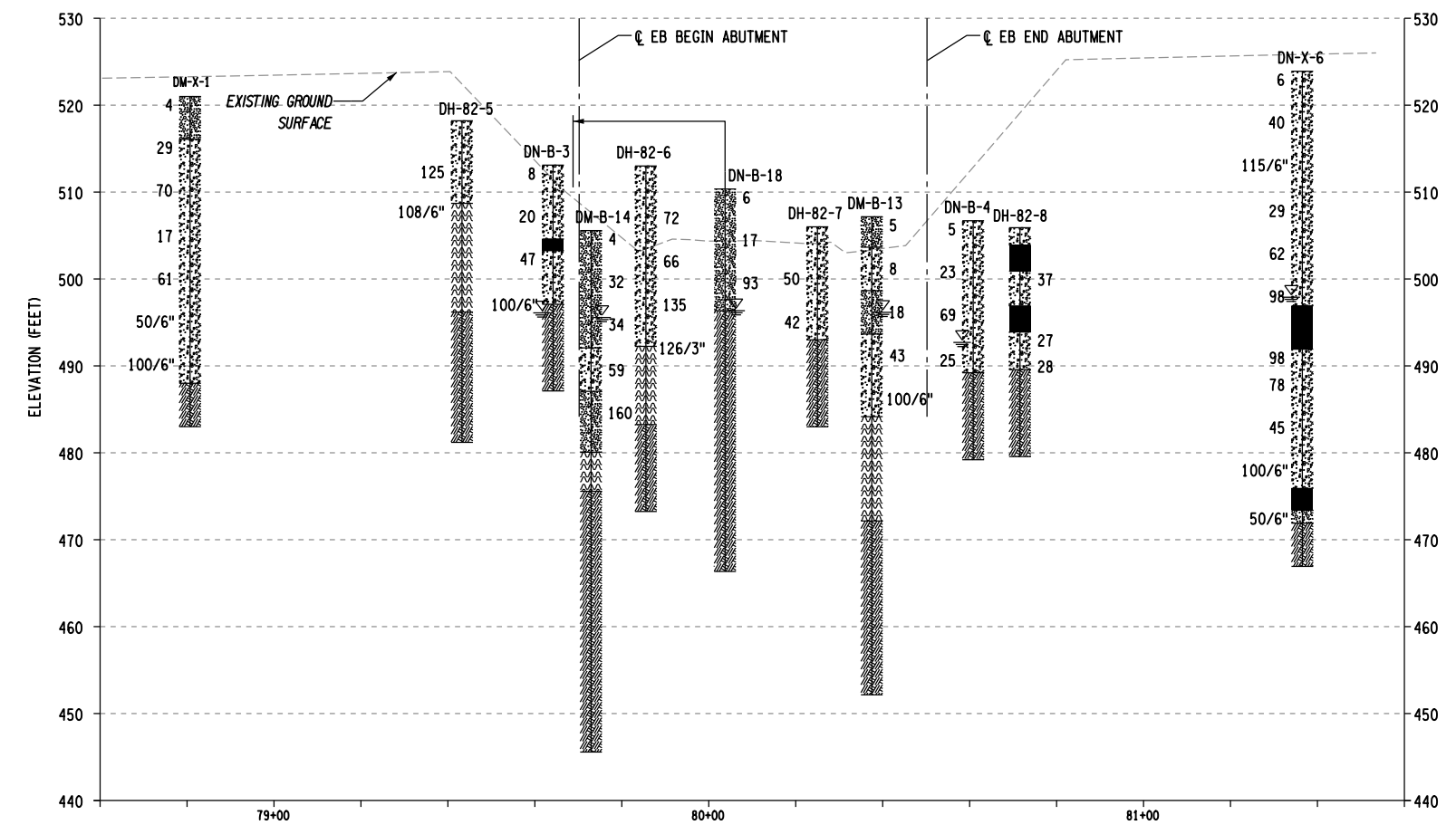
- [Symbol] GEOTECHNICAL BORING LOCATION
- [Symbol] BORING STICK OFFSET DUE TO OVERLAPPING LOCATION ON PROFILE

NOTES:

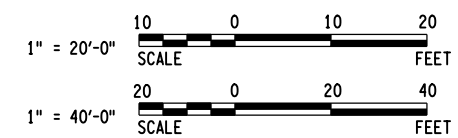
1. ELEVATIONS ARE SHOWN IN REFERENCE TO THE NGVD 29 VERTICAL DATUM.
2. BORINGS DH-82-1, DH-82-2, DH-82-3, DH-82-4, DH-82-5, DH-82-6, DH-82-7 AND DH-82-8 WERE CONDUCTED IN 1962 USING A 300 LB. HAMMER WITH AN 18" DROP. SPT-N VALUES WERE CONVERTED TO APPROXIMATE THE RESULTS OF A 140 LB. HAMMER WITH A 30" DROP.
3. BORINGS DM-X-1, DN-B-2, DN-B-3, DN-B-4, DN-X-6, DM-X-7, DN-B-8, DN-B-9, DN-B-10, DN-B-11 AND DM-X-12 WERE CONDUCTED IN 1999 BY ASTC FOR NYSOT AND WERE SAMPLED USING A 140 LB. SAFETY HAMMER FALLING 30".
4. BORINGS DM-B-13, DM-B-14, DN-X-15, DN-B-16, DM-B-17 AND DN-B-18 WERE CONDUCTED IN 2012 BY AQUIFER DRILLING/TESTING FOR NYSOT AND WERE SAMPLED USING A 140 LB. AUTOMATIC HAMMER FALLING 30". SPT-N VALUES ARE NOT CORRECTED FOR HAMMER EFFICIENCY.



BORING LOCATION PLAN
1" = 40'-0"



GENERAL SUBSURFACE PROFILE
1" = 40'-0" HORIZONTAL 1" = 20'-0" VERTICAL



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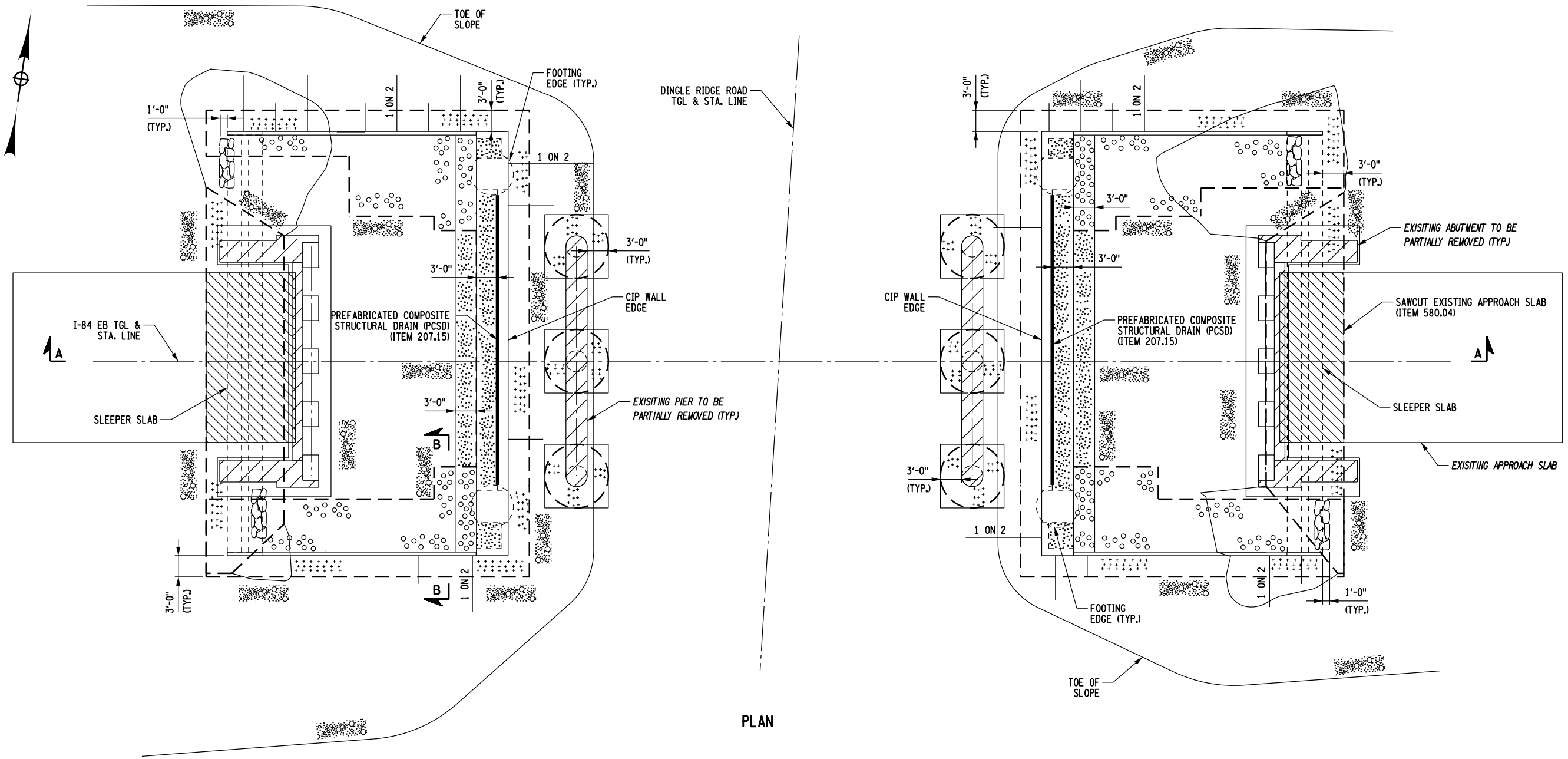
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	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 EASTBOUND BORING LOCATION PLAN AND GENERAL SUBSURFACE PROFILE	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST1-5
	COUNTY: PUTNAM					SHEET NO. 113

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 DATE/TIME = 06-AUG-2012 16:01
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN F. PADILLA
 CHECK C. BROSTO
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 PROJECT MANAGER B. SIVAKUMAR



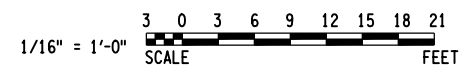
PLAN

LEGEND:

- EXISTING GROUND SURFACE
- SELECT STRUCTURE FILL (ITEM 203.21), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
- HIGHWAY EMBANKMENT MATERIAL
- BACKFILL WITH SUITABLE EXCAVATED MATERIAL AS PROVIDED FOR UNDER STRUCTURE EXCAVATION (ITEM 206.01)
- REMOVAL OF SUBSTRUCTURES (ITEM 202.19)
- CONTROLLED LOW STRENGTH MATERIAL (ITEM 204.01)
- SPECIAL BACKFILL FOR FILL-TYPE WALLS (INCLUDED IN FILL-TYPE WALL (ITEM 554.42 OR 554.43, AS APPLICABLE)
- PREFABRICATED COMPOSITE STRUCTURAL DRAIN (ITEM 207.26)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)
- REMOVAL OF EXISTING APPROACH SLAB (ITEM 580.04)
- CRUSHED STONE (SIZES 1 AND 2, 50% MIX EACH) (IN-PLACE MEASURE) (ITEM 623.12000008)

NOTES:

1. FOR SECTIONS A-A AND B-B, SEE DWG. NO. ST1-7.
2. FOR FOUNDATION NOTES, SEE DWG. NO. G-3.



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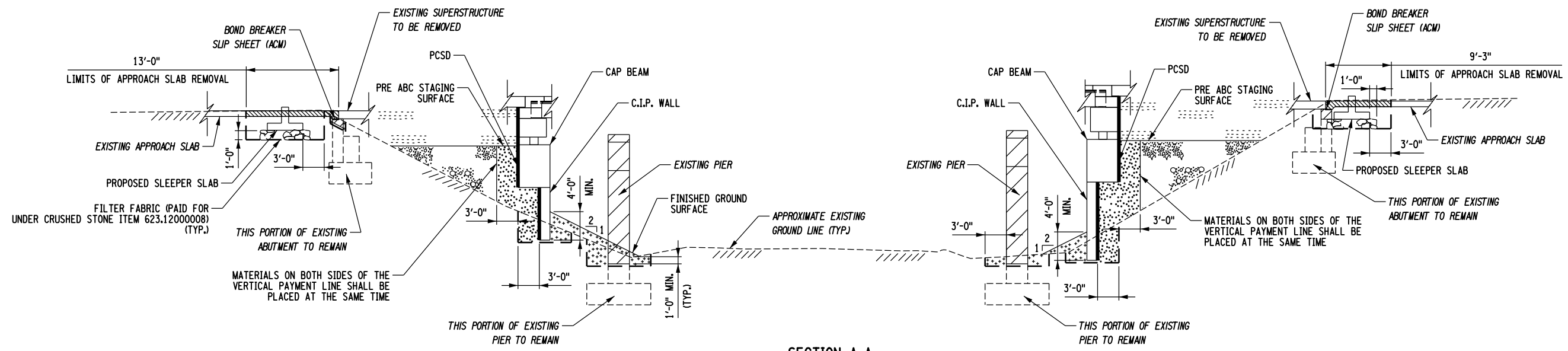
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	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 EASTBOUND EXCAVATION AND EMBANKMENT PLAN	DRAWING NO. ST1-6
	TOWN OF SOUTHEAST					SHEET NO. 114
	COUNTY: PUTNAM					

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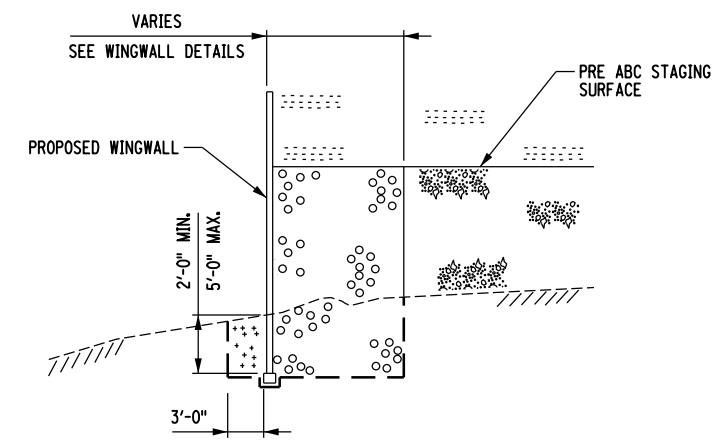
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 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN F. PADILLA
 CHECK C. BRODIO
 DRAFTING F. PADILLA
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 PROJECT MANAGER B. SIVAKUMAR



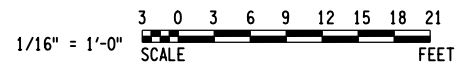
SECTION A-A



SECTION B-B

NOTES:

1. FOR LEGEND, SEE DWG. NO. ST1-6.
2. FOR LOCATION OF SECTIONS A-A AND B-B, SEE DWG. NO. ST1-6.
3. FOR RETAINING WINGWALL DETAILS, SEE DWG. NO. ST-26.
4. FOR EXISTING ABUTMENT AND PIER REMOVAL DETAILS, SEE DWG. NO. ST1-9.
5. FOR ASBESTOS REMOVAL, SEE DWG. NO. ST1-8.



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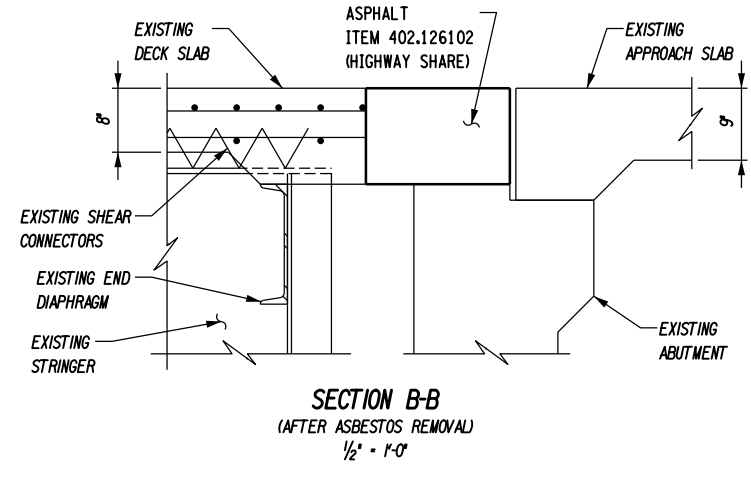
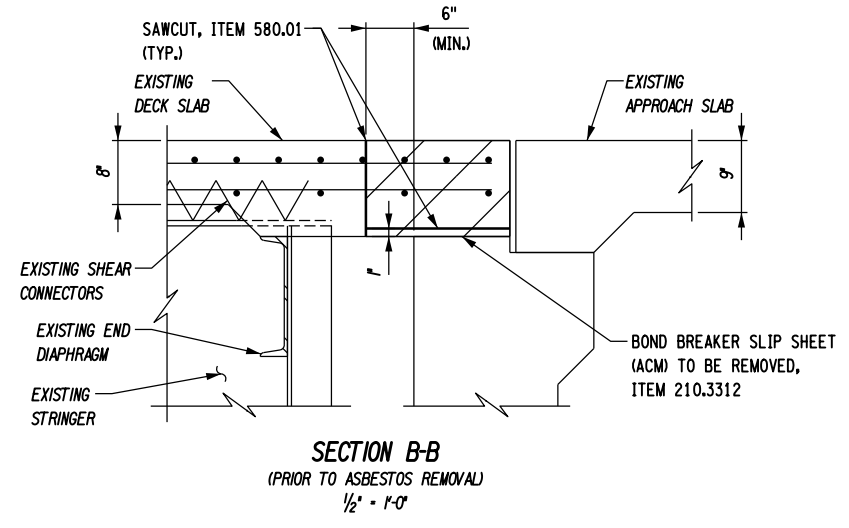
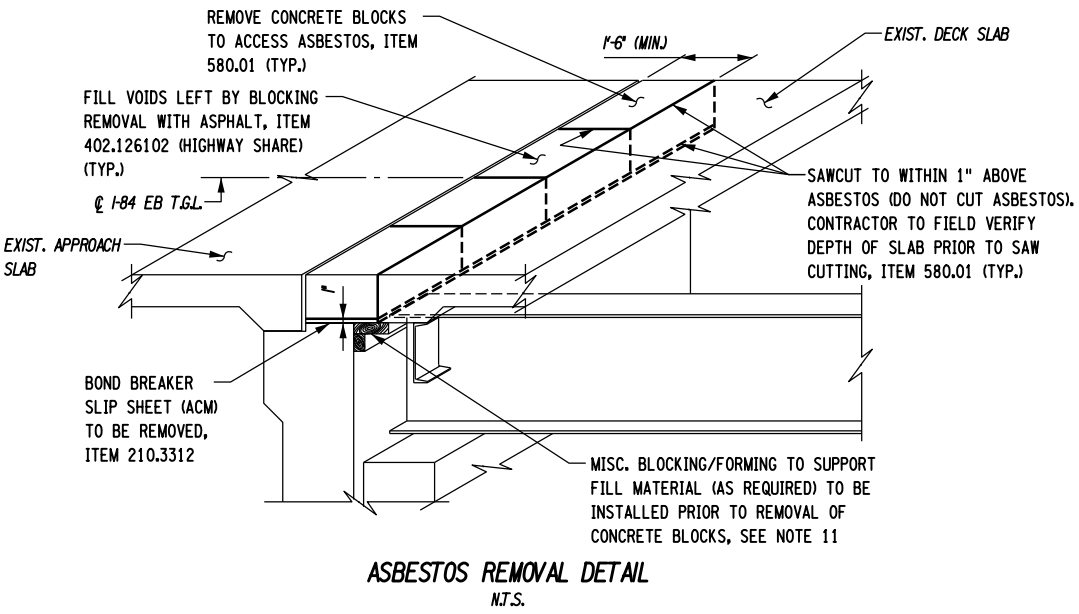
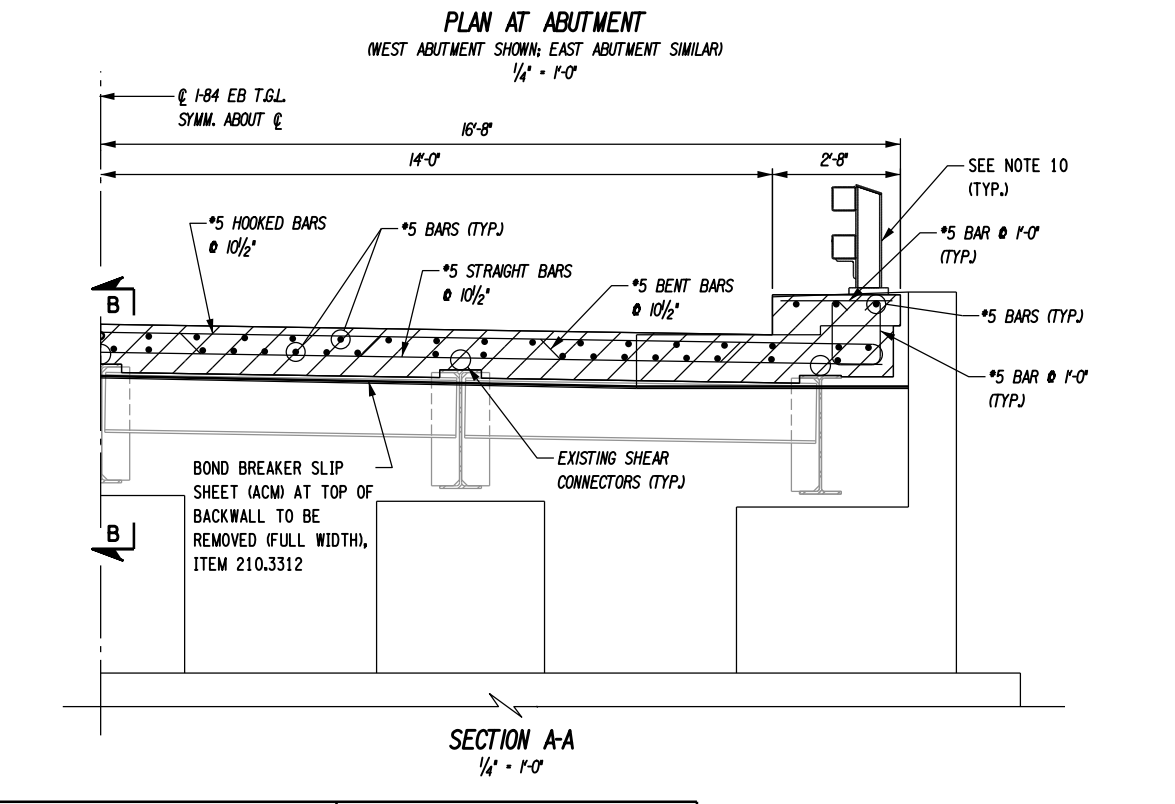
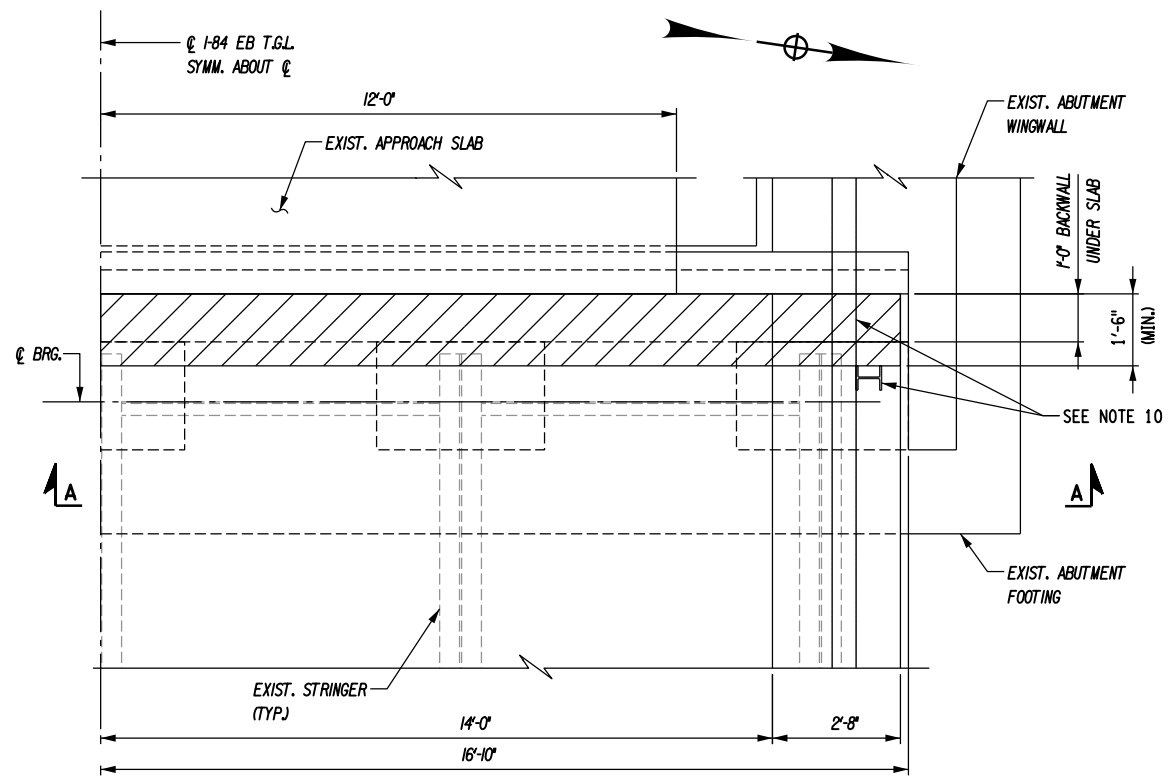
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	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE					D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST1-7
	COUNTY: PUTNAM					SHEET NO. 115

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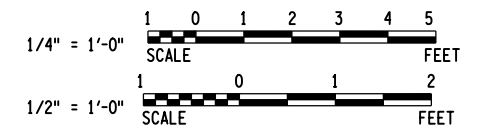
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PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING C. BROSDIO
 CHECK S. LIN
 DESIGN C. BROSDIO
 JOB MANAGER B. SIVAKUMAR
 DESIGN SUPERVISOR B. SIVAKUMAR



- NOTES:**
- ALL DIMENSIONS SHOWN IN THIS DRAWING ARE BASED ON THE AVAILABLE RECORD DRAWINGS AND SHALL BE VERIFIED BY THE CONTRACTOR.
 - THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON RECORD DRAWINGS. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
 - THE CONTRACTOR IS ALERTED THAT THE BOND BREAKER SLIP SHEET IS AN ASBESTOS-CONTAINING MATERIAL (ACM). FOR THE PURPOSES OF ESTIMATING, THE CONTRACTOR SHALL ASSUME A TOTAL QUANTITY OF 70 SF (35 SF PER ABUTMENT) FOR ITEM 210.3312. ALL WORK ASSOCIATED WITH THE REMOVAL AND DISPOSAL OF THE ABUTMENT BOND BREAKER SLIP SHEETS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATIONS AND THE "ASBESTOS REMOVAL SUPPLEMENTAL REQUIREMENTS" SPECIAL NOTE.
 - THE CONTRACTOR SHALL VERIFY THE LOCATION AND EXTENTS OF THE ACM AND ANY ASBESTOS DEBRIS AND/OR CONTAMINATED MATERIALS THAT MAY BE IN THE VICINITY OF THE ABUTMENTS.
 - ACM REMOVAL WORK SHALL BE PERFORMED 1 MONTH PRIOR TO ABC CLOSURE PERIOD TO ENSURE ADEQUATE TIME FOR COMPLETION IF PROBLEMS ARE ENCOUNTERED. ASBESTOS REMOVAL SHALL BE COMPLETED NO LESS THAN 1 TO 2 WEEKS PRIOR TO THE ABC CLOSURE.
 - NO DEMOLITION WORK SHALL COMMENCE ON THE STRUCTURE WITHIN THE ASBESTOS WORK ZONE UNTIL ALL NECESSARY ASBESTOS ABATEMENTS HAVE OCCURRED.
 - ASBESTOS REMOVAL SHALL BE PLANNED AROUND ONE LANE CLOSURE AT A GIVEN PERIOD OF TIME. ACTIVITIES STARTING FROM INITIAL CONCRETE BLOCK REMOVAL TO FINISHING WITH REPLACEMENT OF FILLER MATERIAL SHALL BE PLANNED FOR NO MORE THAN ONE 12-HOUR NIGHT CLOSURE PER LANE. WORK BOTH ABUTMENTS IN SAME CLOSED LANE CONCURRENTLY TO MINIMIZE TOTAL NUMBER OF LANE CLOSURES.
 - MOBILIZATION OF THE ABATEMENT CREWS DECONTAMINATION UNIT SHALL BE CONDUCTED THE DAY PRIOR TO THE ACTUAL ABATEMENT TO MAXIMIZE THE EFFICIENCY OF WORK TO BE COMPLETED DURING ONE LANE CLOSURE.
 - LOCATION FOR THE ABATEMENT CREWS DECONTAMINATION UNIT SHALL BE COORDINATED WITH CONTRACTOR'S OTHER SITE ACTIVITIES.
 - IF REQUIRED, REMOVE AND REPLACE BRIDGE RAIL TO PERFORM ASBESTOS REMOVAL. COST SHALL BE INCLUDED UNDER ITEM 210.3312.
 - CONTRACTOR SHALL SUBMIT BLOCKING/FORMING TO SUPPORT FILL MATERIAL TO ENGINEER FOR APPROVAL 30 DAYS PRIOR TO COMMENCING WORK. COST FOR FORMING/BLOCKING SHALL BE INCLUDED IN ITEM 402.198902.

LEGEND:
 INDICATES REMOVAL OF STRUCTURAL CONCRETE, ITEM 580.01



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 EASTBOUND ASBESTOS REMOVAL	D262100
	TOWN OF SOUTHEAST		BIN 1032622			DRAWING NO. ST1-8
	COUNTY: PUTNAM					SHEET NO. 116

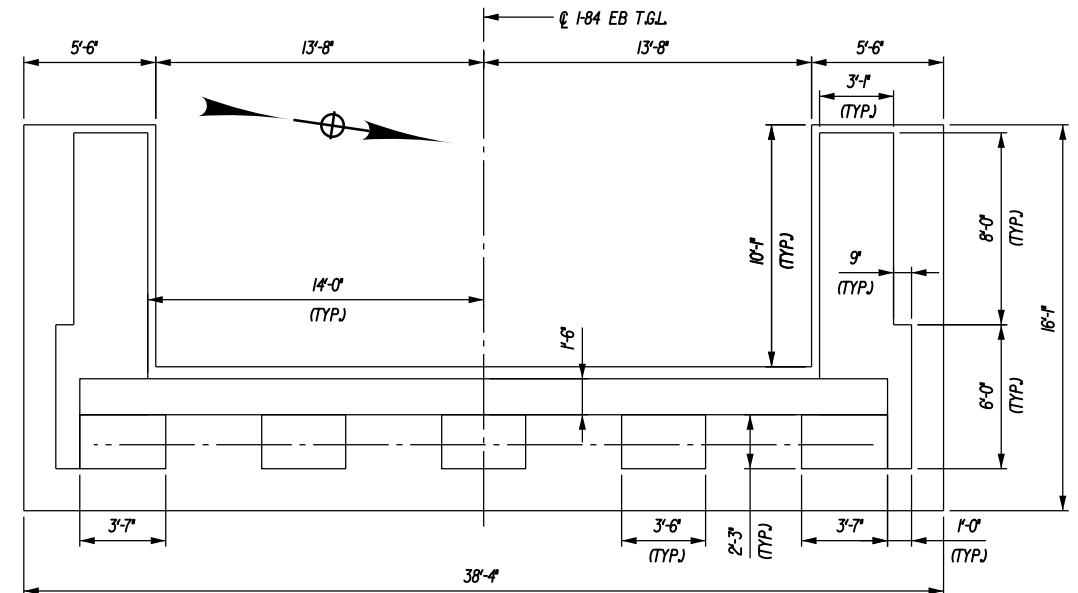
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

5 Penn Plaza, 6th Floor
New York, New York 10001

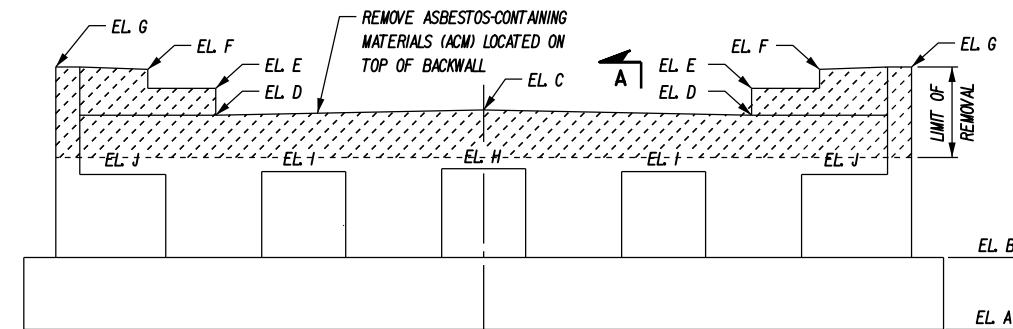
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
DOCUMENT NAME:

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 USER = pello

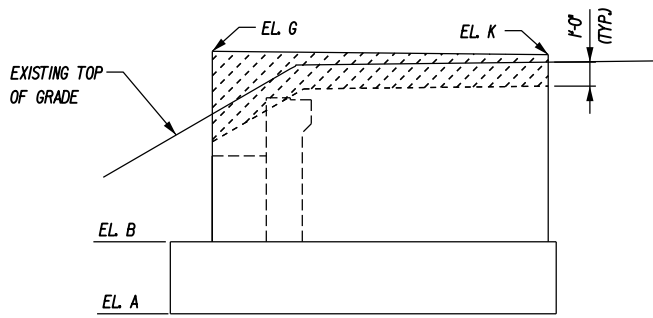
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN C. BROSTO
 CHECK S. LIN
 DRAFTING C. BROSTO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



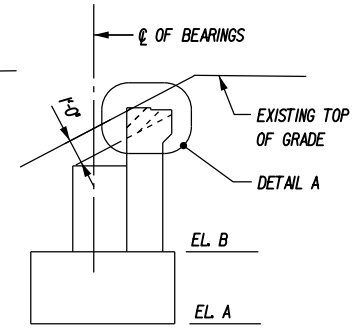
ABUTMENT PLAN
 (WEST ABUTMENT SHOWN; EAST ABUTMENT SIMILAR)
 1/8" = 1'-0"



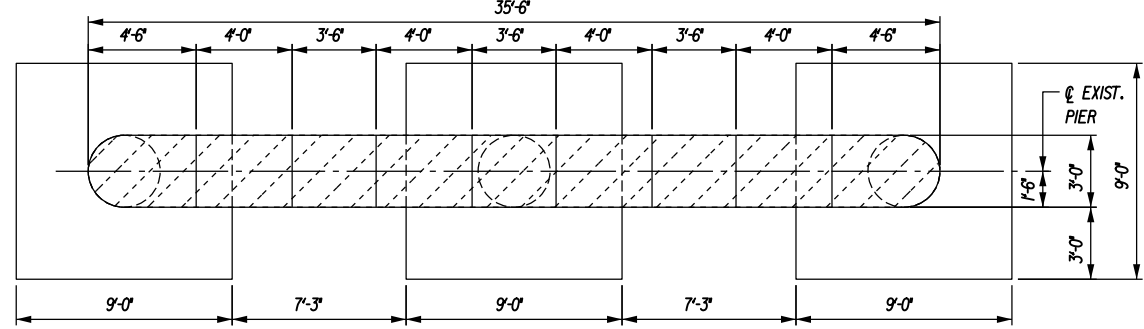
EAST ELEVATION
 (WEST ABUTMENT SHOWN; EAST ABUTMENT SIMILAR)
 1/8" = 1'-0"



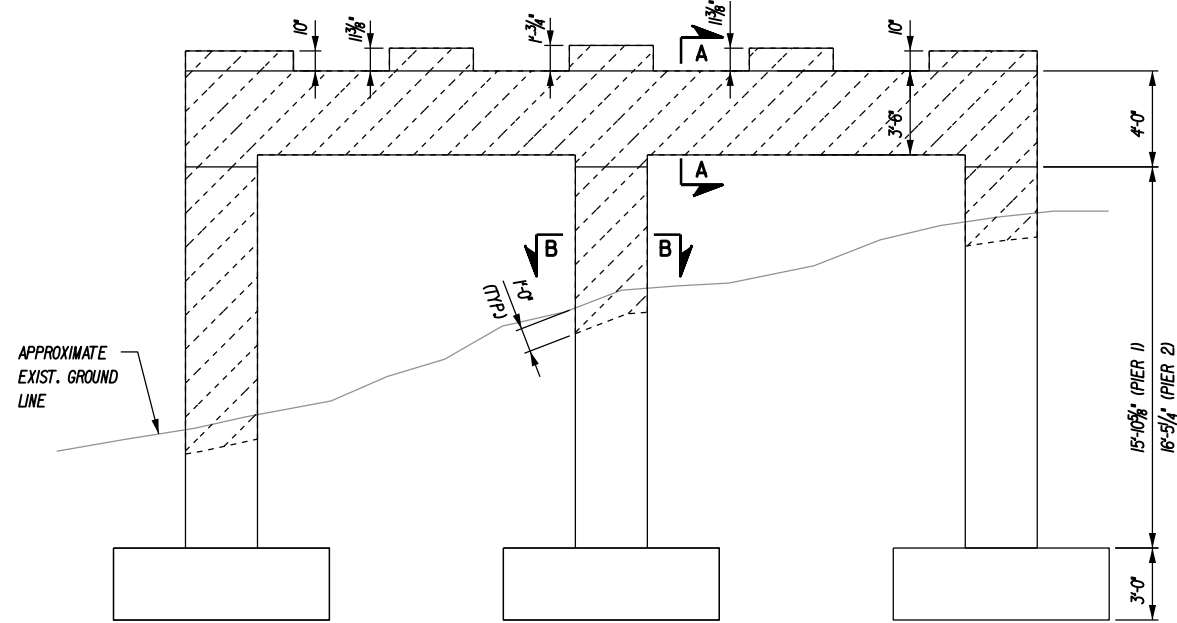
WINGWALL ELEVATION
 (WEST ABUTMENT SHOWN; EAST ABUTMENT SIMILAR)
 1/8" = 1'-0"



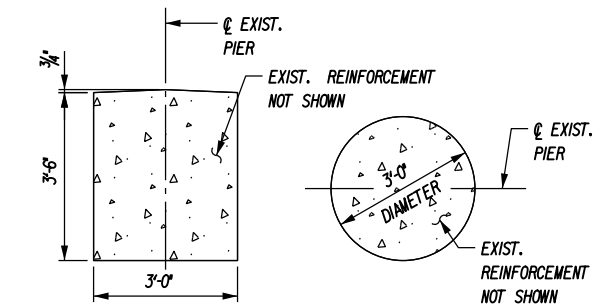
SECTION A-A
 1/8" = 1'-0"



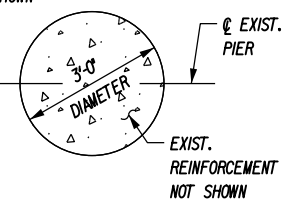
EXISTING PIER PLAN
 1/8" = 1'-0"



EXISTING PIER ELEVATION
 1/8" = 1'-0"



SECTION A-A
 1/2" = 1'-0"



SECTION B-B
 1/2" = 1'-0"

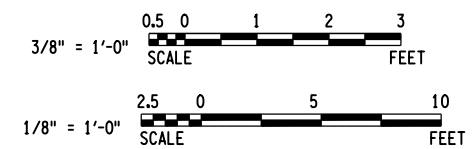
ELEVATION TABLE		
	BEGIN ABUTMENT	END ABUTMENT
A	513.50	515.00
B	516.50	518.00
C	522.65	524.02
D	522.43	523.78
E	523.55	-----
F	524.34	525.74
G	524.44	525.77
H	520.20	521.41
I	520.06	521.29
J	519.96	521.19
K	524.30	525.91

NOTES:

- ALL DIMENSIONS AND ELEVATIONS SHOWN IN THIS DRAWING ARE BASED ON THE AVAILABLE RECORD DRAWINGS AND SHALL BE VERIFIED BY THE CONTRACTOR.
- THE CONTRACTOR IS ALERTED THAT THE BOND BREAKER SLIP SHEET IS AN ASBESTOS-CONTAINING MATERIAL (ACM). FOR ASBESTOS REMOVAL DETAILS AND NOTES, SEE DWG. NO. ST1-8.
- NO DEMOLITION WORK SHALL COMMENCE ON THE STRUCTURE WITHIN THE ASBESTOS WORK ZONE UNTIL ALL NECESSARY ASBESTOS ABATEMENTS HAVE OCCURRED.
- ALL WORK ASSOCIATED WITH ABUTMENT AND PIER REMOVAL SHALL BE PAID FOR UNDER ITEM 202.19, REMOVAL OF SUBSTRUCTURES.
- FOR EARTHWORK DETAILS, SEE DWG. NOS. ST1-6 AND ST1-7.
- FOR APPROACH SLAB REMOVAL, SEE DWG. NO. ST1-7.

LEGEND:

INDICATES REMOVAL LIMIT (ITEM 202.19)



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY:
 ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
 F.J.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84

BRIDGES
 1032621
 1032622
 BIN 1032622

CULVERTS
 ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 I-84 EASTBOUND
 SUBSTRUCTURE REMOVAL DETAILS

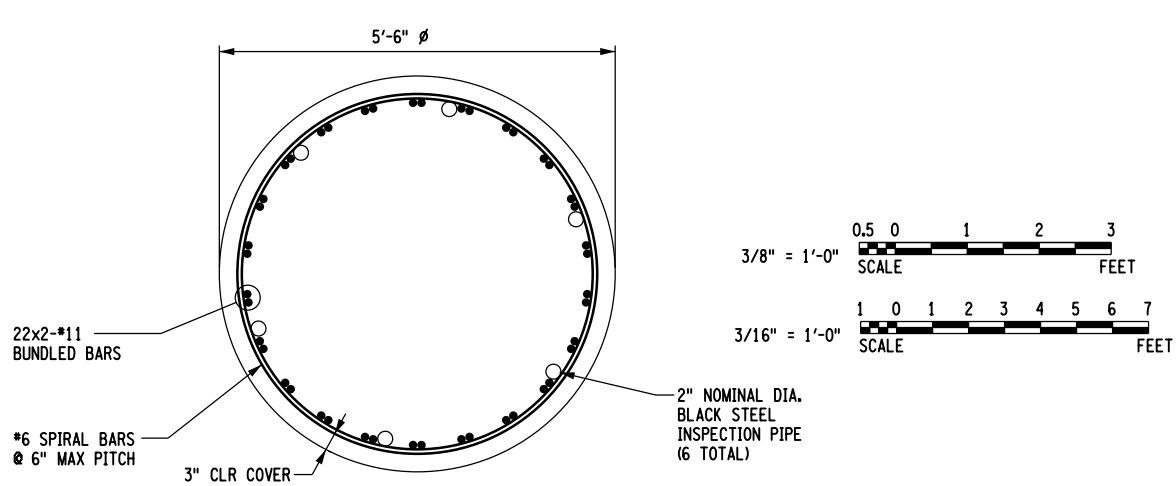
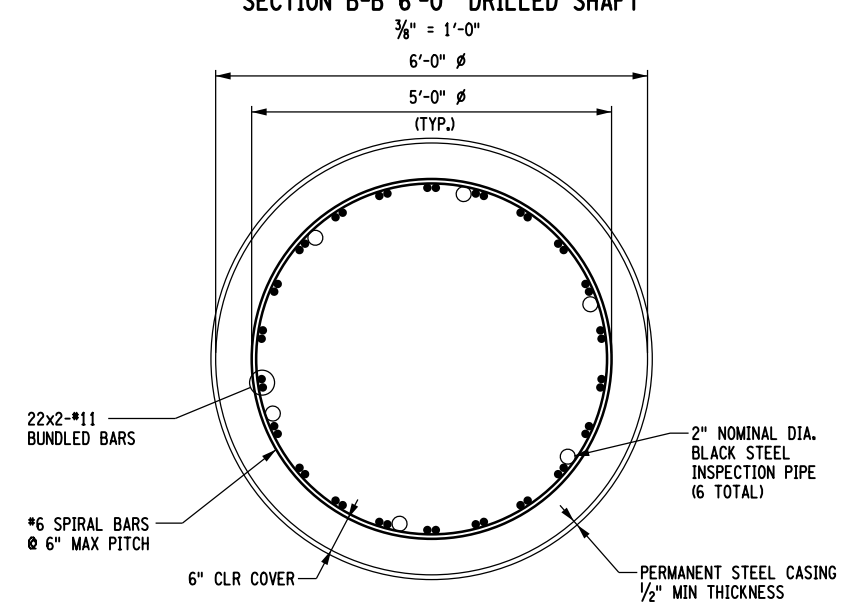
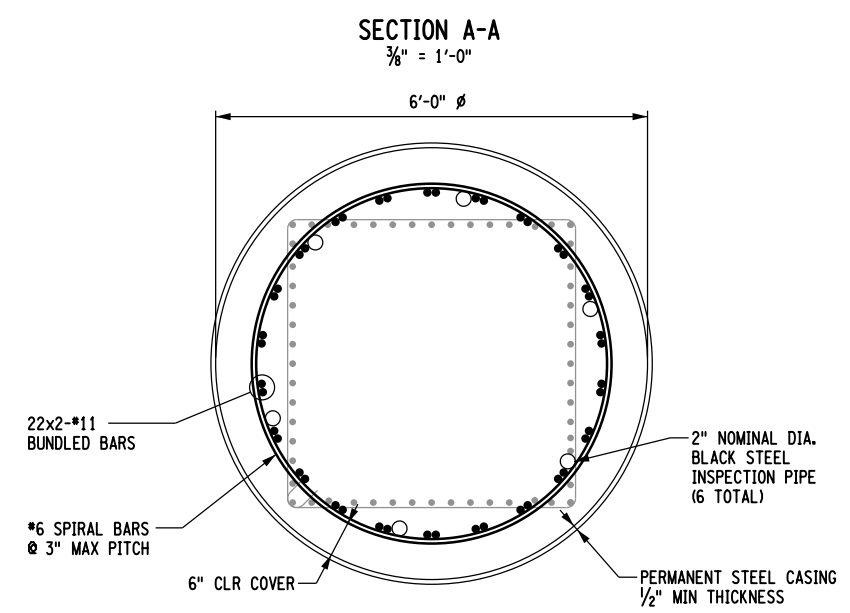
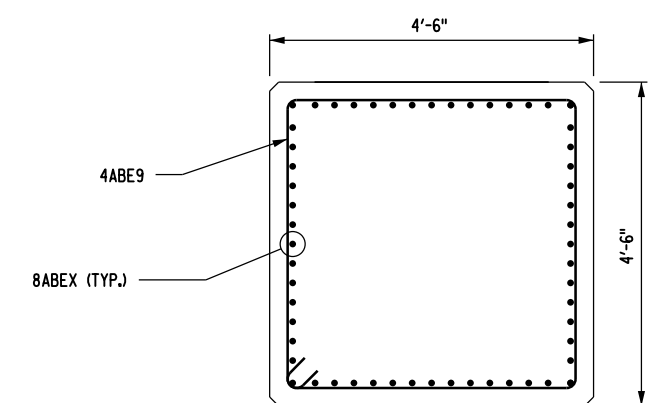
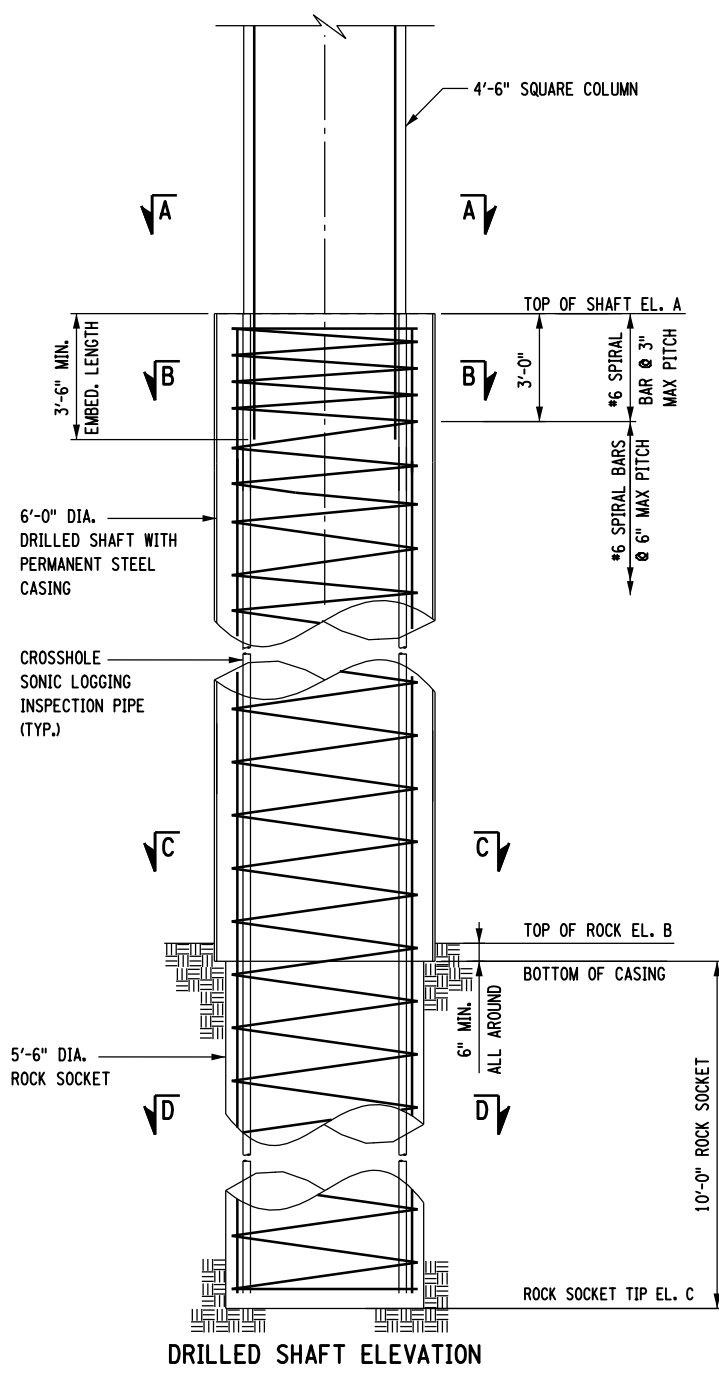
HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001
 CONTRACT NUMBER
 D262100
 DRAWING NO. ST1-9
 SHEET NO. 117

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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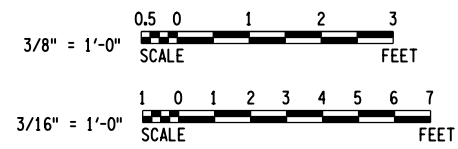
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 DATE/TIME = 27-AUG-2012 04:19
 USER = pello

PROJECT MANAGER **B. SIVAKUMAR**
 CHECK **S. LIN**
 DRAFTING **J. JUZWIN**
 CHECK **M. RIEGEL**
 DESIGN **J. JUZWIN / S. LIN**
 JOB MANAGER **B. SIVAKUMAR**
 DESIGN SUPERVISOR **B. SIVAKUMAR**



DRILLED SHAFT TABLE							
6'-0" DIA. DRILLED SHAFT NO.	REQUIRED GEOTECHNICAL NOMINAL RESISTANCE		TOP OF DRILLED SHAFT EL. A	APPROX. GROUND SURFACE EL.	APPROX. TOP OF SOUND ROCK EL. B	APPROX. ROCK SOCKET TIP EL. C	ACTUAL DRILLED SHAFT LENGTH (FT)
	COMPRESSION (KIPS)	TENSION (KIPS)					
BEGIN ABUTMENT 1	1870	0	504.50	507.03	475.60	465.10	
BEGIN ABUTMENT 2	1840	0	506.50	510.22	496.40	485.90	
END ABUTMENT 1	1900	0	504.76	507.39	472.20	461.70	
END ABUTMENT 2	1910	0	502.76	505.58	489.20	478.70	

- NOTES:**
- FOR FOUNDATION LAYOUT PLAN SEE DWG. NO. G-7.
 - ALL DRILLED SHAFT STEEL CASING SHALL MEET THE REQUIREMENTS OF ASTM A252 GRADE 2.
 - A TRIAL SHAFT WILL NOT BE REQUIRED.
 - PERMANENT STEEL CASING, UNCOATED BAR REINFORCEMENT, AND CONCRETE IN DRILLED SHAFTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR DRILLED SHAFTS, ITEM 551.99495508.
 - INSPECTION (ACCESS) PIPE AND GROUTING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CROSSHOLE SONIC LOGGING (CSL) OF DRILLED SHAFTS, ITEM 551.96000017.
 - ESTIMATED TOP OF ROCK IS PROVIDED IN THE DRILLED SHAFT TABLE ABOVE.
 - AN ENGINEERING GEOLOGIST FROM THE NYSOT GEOTECHNICAL ENGINEERING BUREAU WILL BE PRESENT ON SITE TO ASCERTAIN THE TOP OF SOUND ROCK DURING DRILLING.
 - ALL SHAFTS WILL BE TESTED TO VERIFY CONCRETE INTEGRITY IN ACCORDANCE WITH ITEM 551.96000017, CROSSHOLE SONIC LOGGING (CSL) OF DRILLED SHAFTS. DETAIL 6 - 2" NOMINAL DIAMETER SCHEDULE 40 STEEL PIPES FOR CSL TESTING, ATTACHED TO THE INSIDE OF THE REINFORCEMENT CAGE WITH THE BOTTOM OF THE PIPES LOCATED A MAXIMUM OF 4" ABOVE THE BOTTOM OF THE CAGE. SHOW ACCESS PIPES AT 60° INTERVALS, OR AS CLOSE TO 60° AS POSSIBLE.
 - CONDUCT CROSSHOLE SONIC LOGGING (CSL) OF DRILLED SHAFTS ON ALL DRILLED SHAFTS.
 - CONDUCT CSL TESTING WITHIN 3 TO 45 DAYS AFTER CONCRETING EACH SHAFT.
 - AFTER COMPLETION OF THE DRILLED SHAFT INSTALLATION, THE ENGINEER WILL COMPLETE THE "ACTUAL DRILLED SHAFT LENGTH" TABLE FOR INCLUSION IN THE AS BUILT PLANS.
 - ALL ROCK SOCKETS SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF THE REINFORCING CAGE.
 - EQUIPMENT REQUIRED TO INSTALL THE SHAFTS SHALL BE MOBILIZED UNDER ITEM 551.60000017, FURNISHING EQUIPMENT FOR INSTALLING DRILLED SHAFTS.
 - FINAL BAR LENGTHS TO BE COORDINATED WITH ACTUAL TOP OF SOUND ROCK ELEVATION.
 - FOR DRILLED SHAFT BAR LISTS SEE DWG. NOS. ST1-24 AND ST1-25.
 - PERMANENT CASING SHALL BE ROTATED INTO POSITION AHEAD OF DRILLING. VIBRATING OR OSCILLATING OF CASING SHALL NOT BE PERMITTED.
 - ROCK SOCKET LENGTH SHALL BE MEASURED FROM THE BOTTOM OF PERMANENT CASING. CASED PORTION OF DRILLED SHAFT IN ROCK SHALL NOT BE INCLUDED IN MEASUREMENT OF ROCK SOCKET.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		1-84 EASTBOUND DRILLED SHAFT DETAILS	D262100
TOWN OF SOUTHEAST					DRAWING NO. ST1-10
COUNTY: PUTNAM					SHEET NO. 118

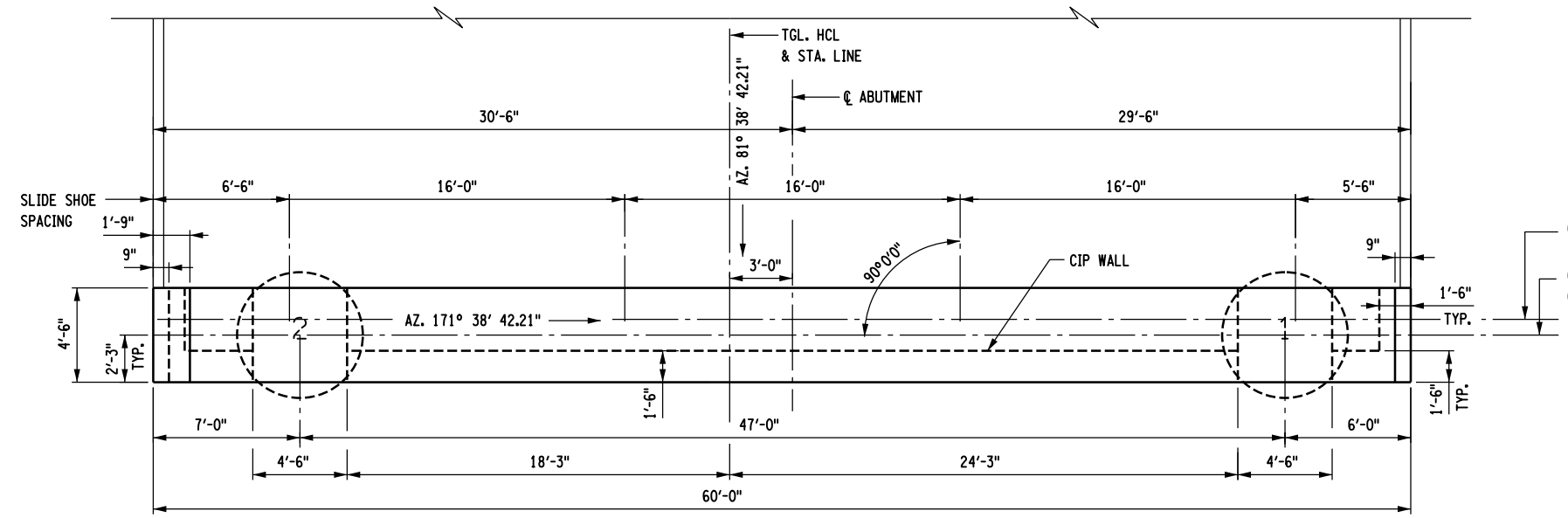
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

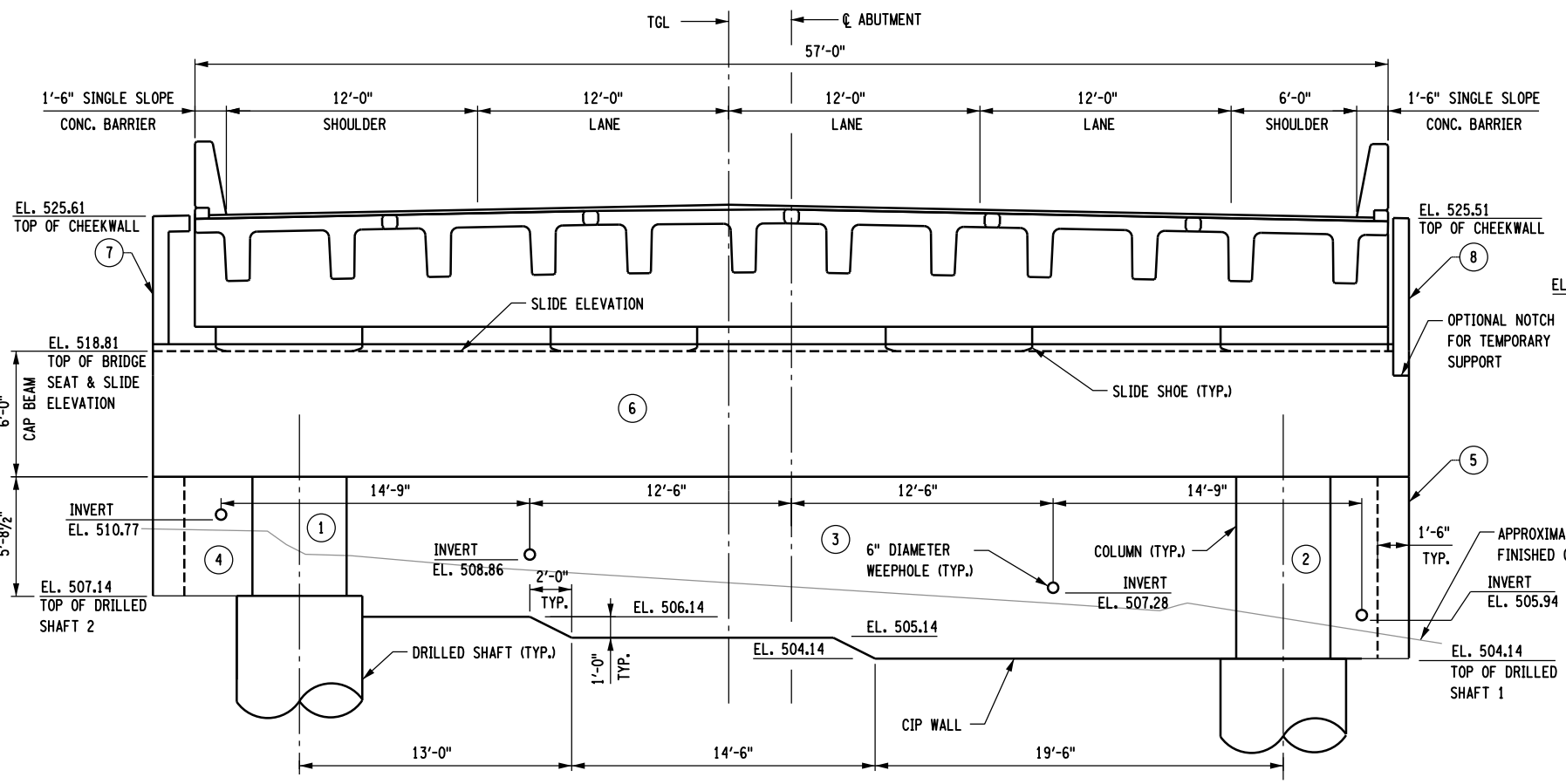
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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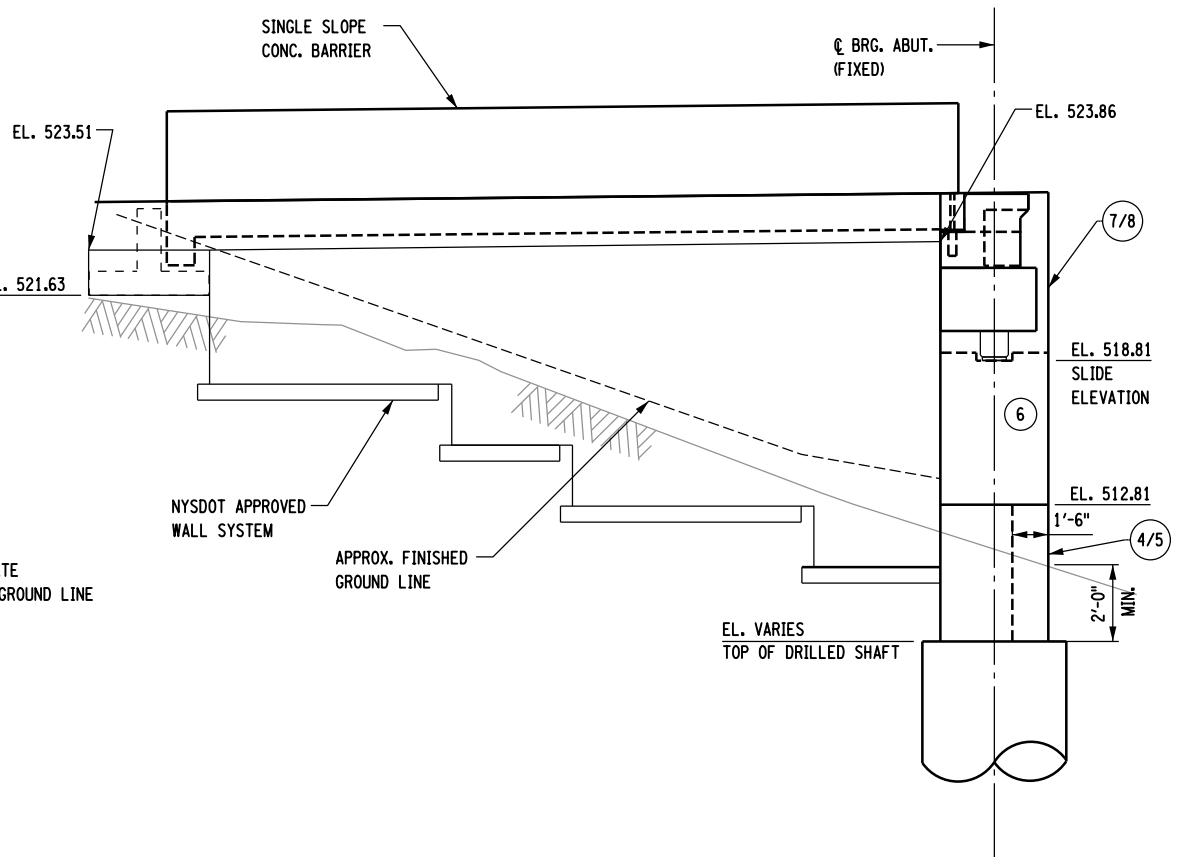
PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING S. LAM
 CHECK C. BROSTO
 DESIGN S. LIN
 JOB MANAGER B. SIVAKUMAR
 DESIGN SUPERVISOR B. SIVAKUMAR



PLAN



ELEVATION - LOOKING WEST



SIDE VIEW

CONCRETE TABLE		
PLACEMENT	QUANTITY [CY]	ITEM NO.
1	5.98	555.04400008
2	9.12	555.04400008
3	18.81	555.09
4	2.45	555.09
5	3.26	555.09
6	62.22	555.04400008
7	0.71	555.09
8	0.94	555.09

LEGEND:
 (NO.) INDICATES PLACEMENT NUMBER
 N INDICATES DRILLED SHAFT NUMBER



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:
I-84 OVER DINGLE RIDGE ROAD
F.J.S.H. 64-19, BREWSTER TO CT STATE LINE
TOWN OF SOUTHEAST
COUNTY: PUTNAM

PIN 8062.10	BRIDGES 1032621 1032622	CULVERTS
I 84	BIN 1032622	

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
I-84 EASTBOUND BEGIN ABUTMENT PLAN AND ELEVATION

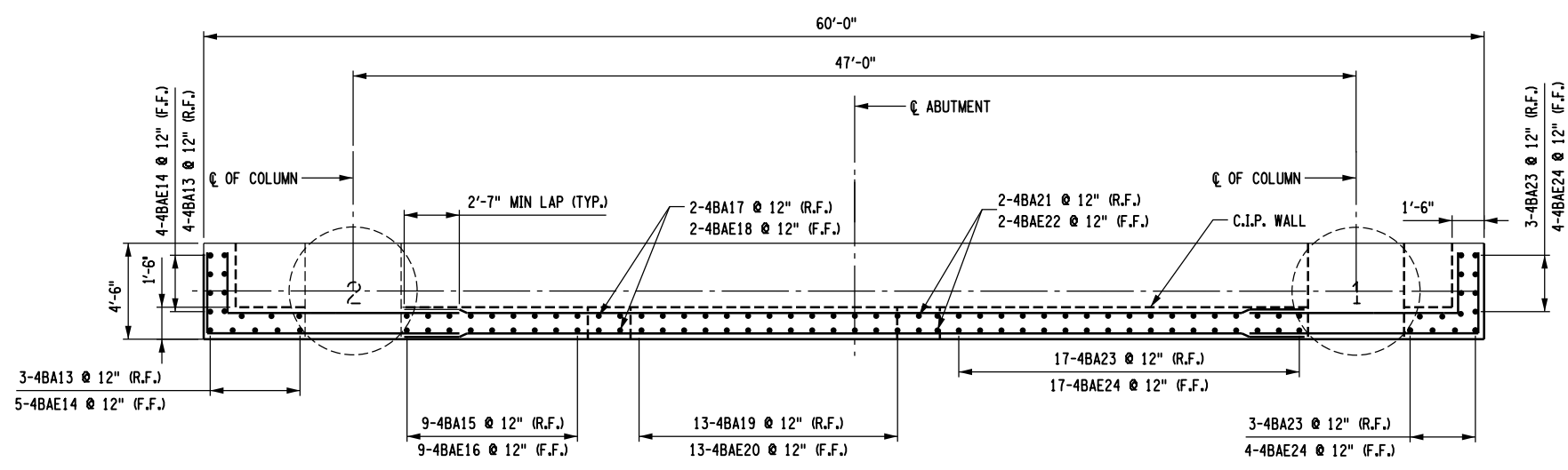
CONTRACT NUMBER	D262100
DRAWING NO.	ST1-11
SHEET NO.	119

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

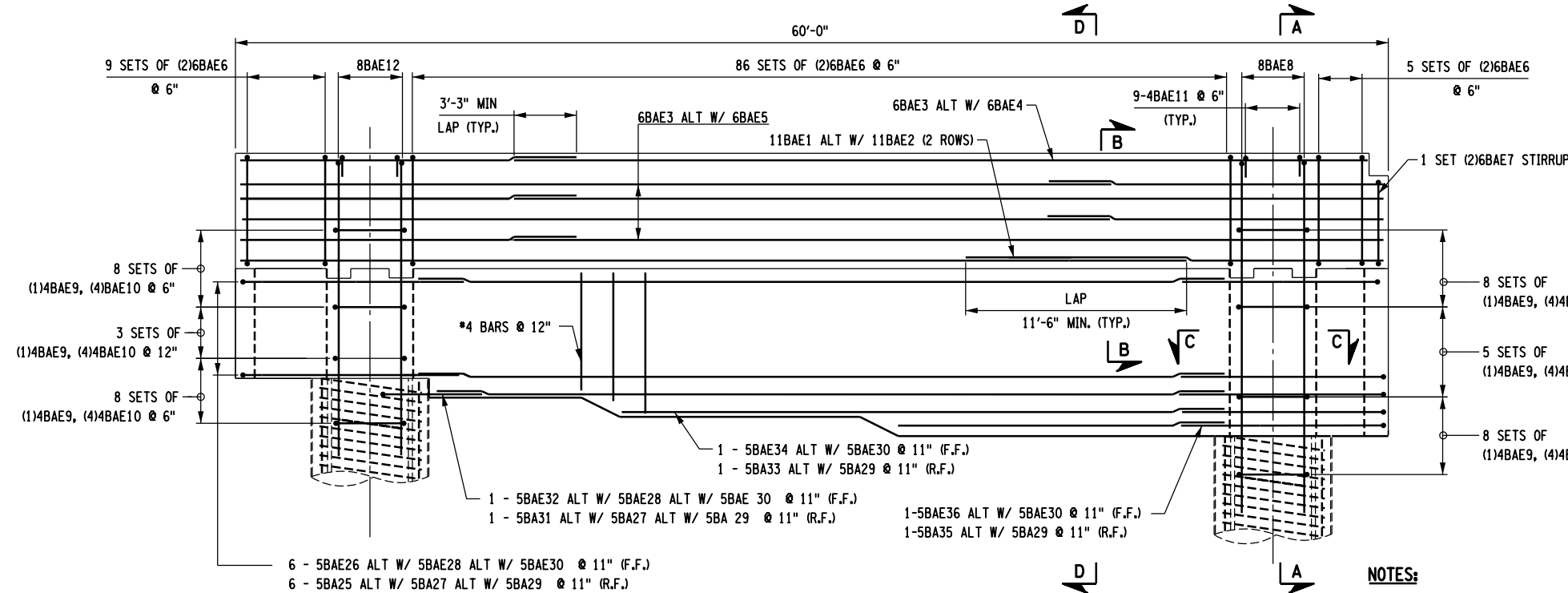
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 DOCUMENT NAME:

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 USER = pello

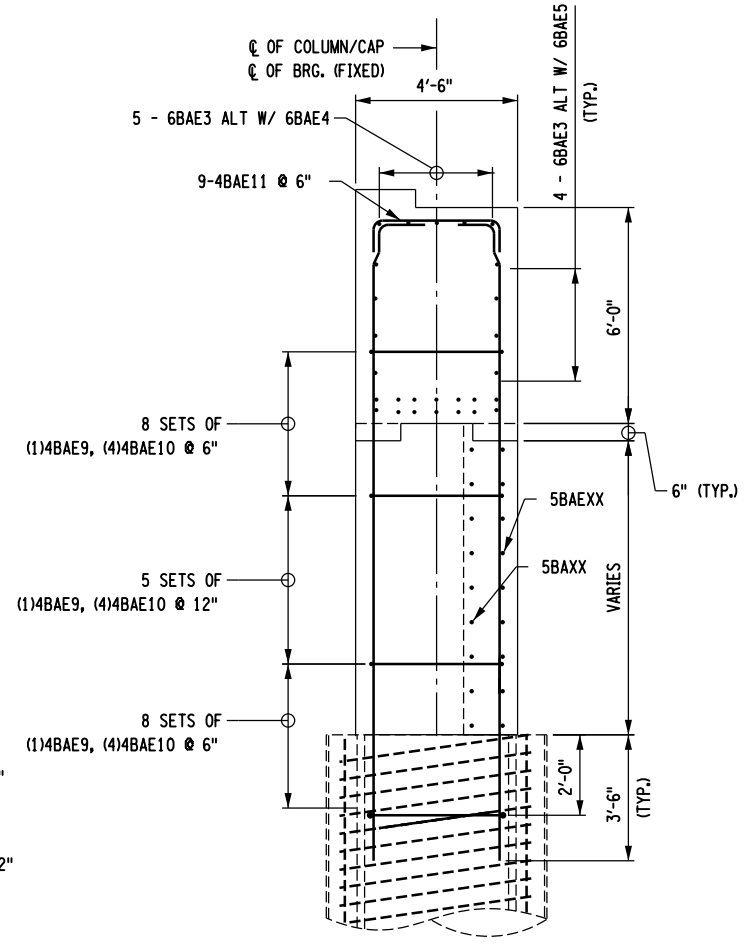
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN D. SHANKAR
 DRAFTING D. SHANKAR
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



PLAN
 1/8" = 1'-0"



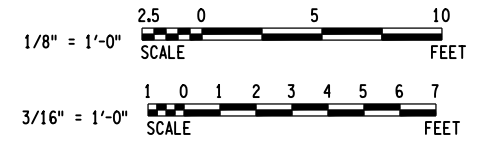
EASTBOUND BEGIN ABUTMENT
 ELEVATION LOOKING WEST
 1/8" = 1'-0"



SECTION A-A
 3/16" = 1'-0"

NOTES:

- UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
- EPOXY-COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
- FOR SECTION B-B, SEE DWG. NO. ST1-13.
- FOR SECTION C-C AND D-D, SEE DWG. NO. ST1-14.
- FOR BEGIN ABUTMENT BAR LIST, SEE DWG. NO. ST1-24.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 EASTBOUND BEGIN ABUTMENT REINFORCEMENT DETAILS 1 OF 3	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST1-12
	COUNTY: PUTNAM					SHEET NO. 120

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

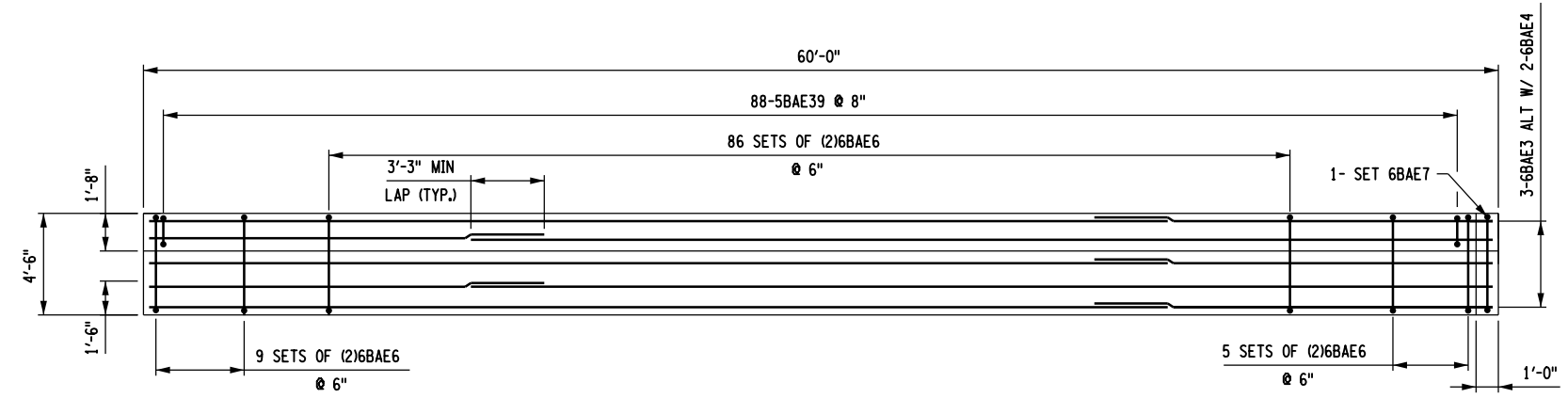
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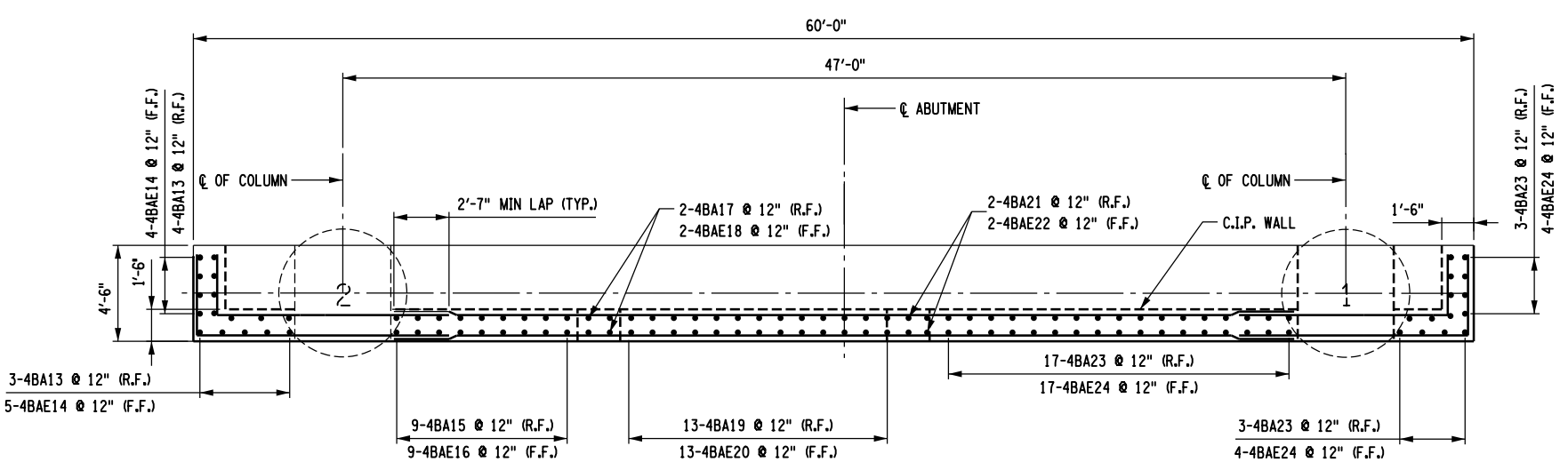
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DRAWING NO.	ST1-12
SHEET NO.	120

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 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN D. SHANKAR
 CHECK S. LIN
 DRAFTING D. SHANKAR
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR

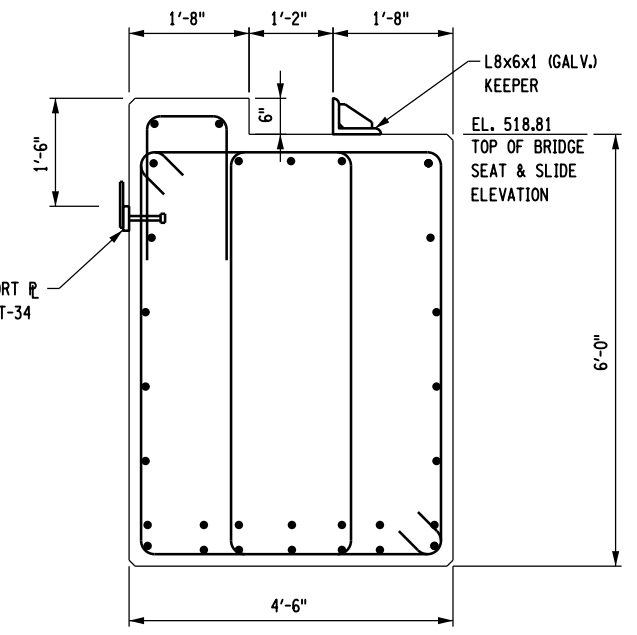


CAP BEAM PLAN
 1/8" = 1'-0"



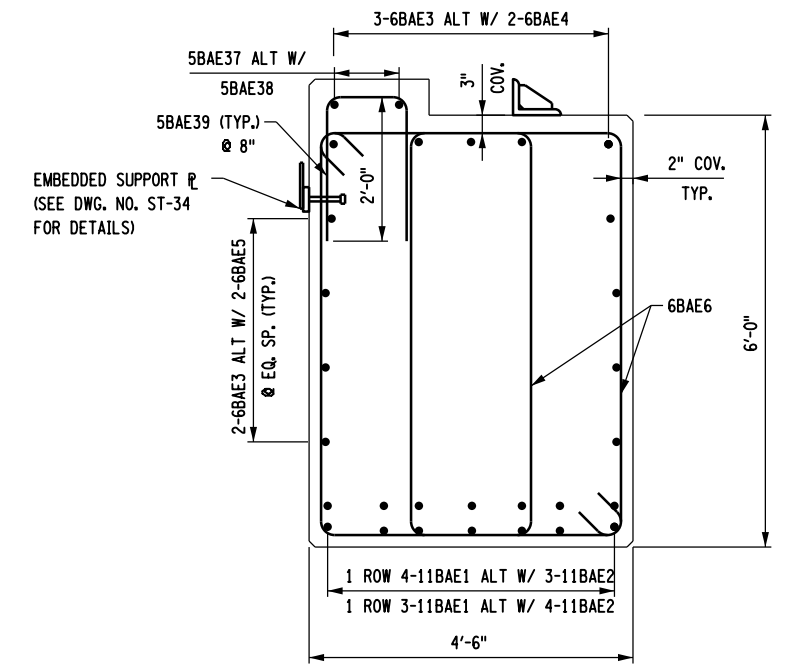
PLAN
 1/8" = 1'-0"

- NOTES:**
- UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
 - EPOXY-COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
 - FOR SECTION B-B, SEE DWG. NO. ST1-12.
 - FOR BACKFILL RETAINER DETAILS, SEE DWG. NO. ST-34.
 - FOR BEGIN ABUTMENT BAR LIST, SEE DWG. NO. ST1-24
 - EMBEDDED SUPPORT PLATE TO BE PAID FOR UNDER ITEM 555.04400008.



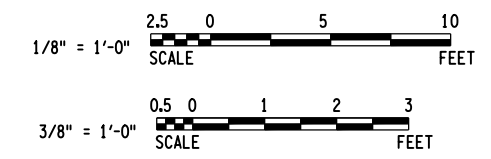
CAP BEAM SECTION B-B
 3/8" = 1'-0"

EMBEDDED SUPPORT PLATE (SEE DWG. NO. ST-34 FOR DETAILS)



CAP BEAM SECTION B-B
 3/8" = 1'-0"

EMBEDDED SUPPORT PLATE (SEE DWG. NO. ST-34 FOR DETAILS)



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 EASTBOUND	D262100
	TOWN OF SOUTHEAST				BEGIN ABUTMENT	DRAWING NO. ST1-13
	COUNTY: PUTNAM				REINFORCEMENT DETAILS 2 OF 3	SHEET NO. 121

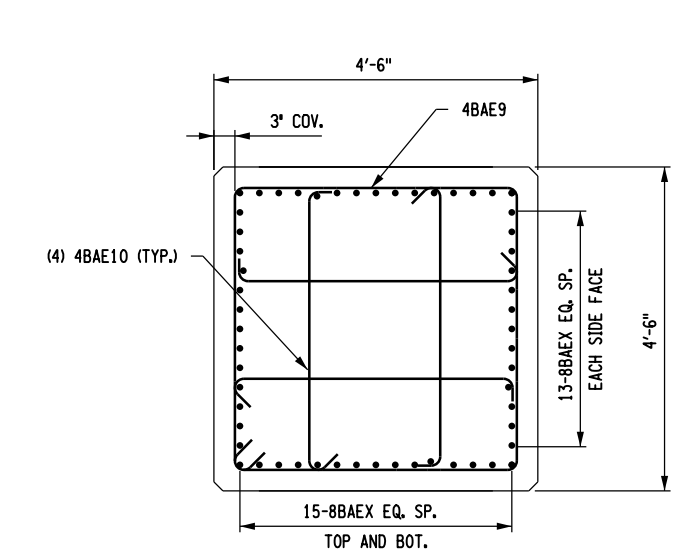
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

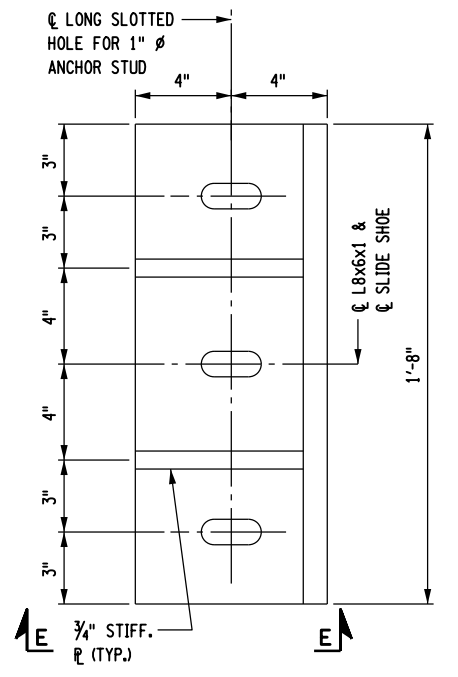


FILE NAME = 06nyw006dep10cadd045737 TRB@Phase 4 Dingle Ridge Road06210.cpb_ST1-14_abt_rnf_beg.EB_abut_reinf.dgn
 DATE/TIME = 27-AUG-2012 04:19
 USER = pello

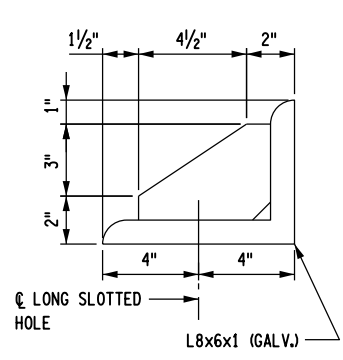
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN D. SHANKAR
 CHECK S. LIN
 DRAFTING D. SHANKAR
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



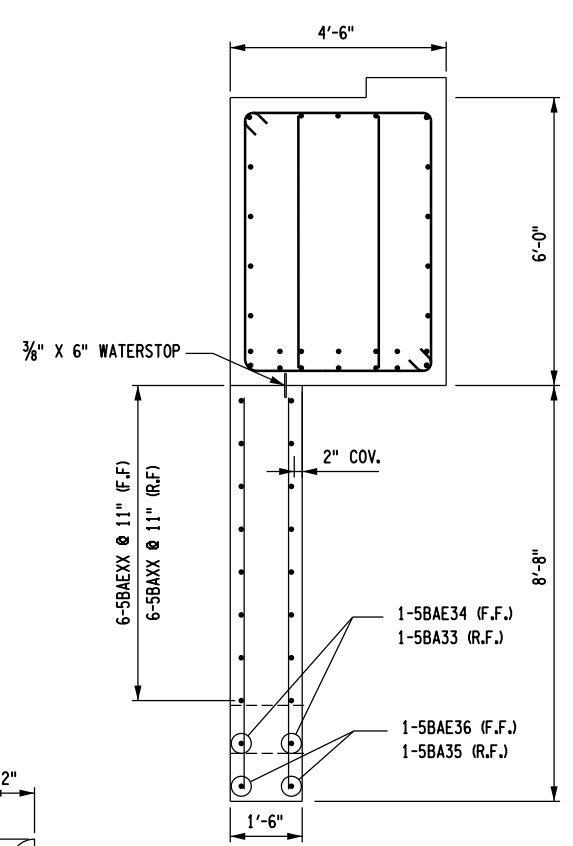
SECTION C-C
 3/8" = 1'-0"



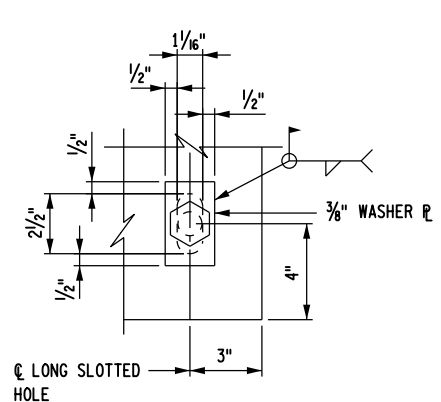
KEEPER ANGLE DETAIL
 1/2" = 1'-0"



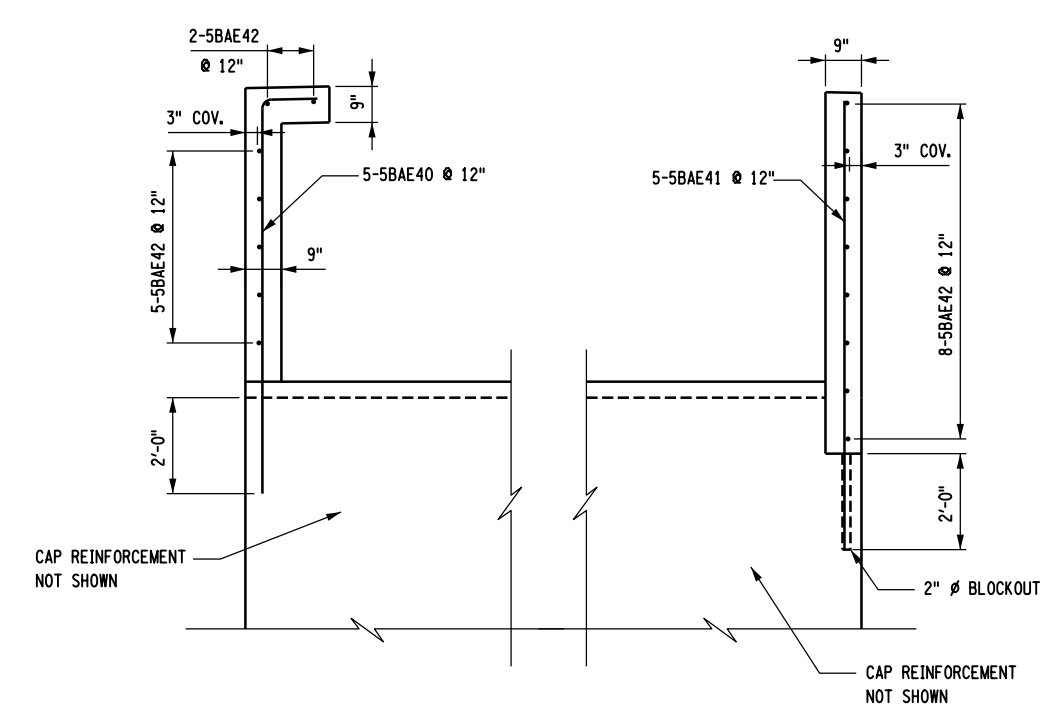
VIEW E-E
 1/2" = 1'-0"



SECTION D-D
 1/4" = 1'-0"

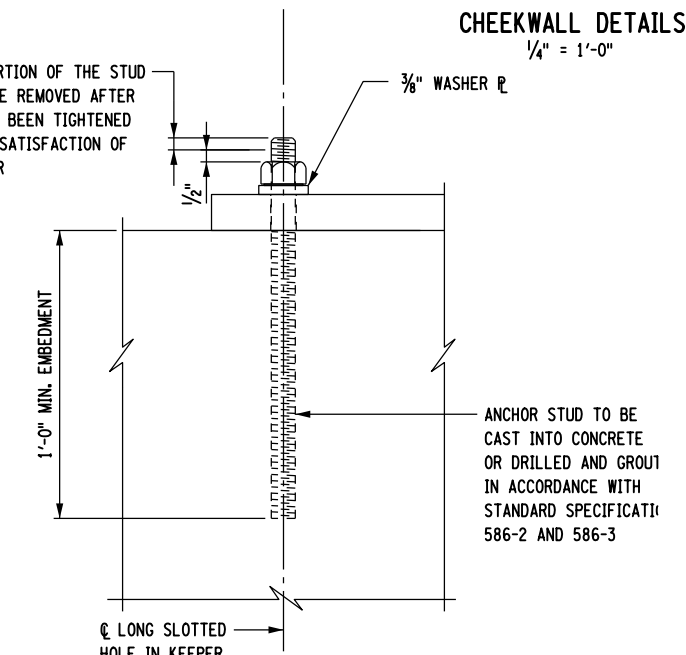


TYPICAL SLOTTED HOLE DETAIL
 FOR 1" ANCHOR
 1/2" = 1'-0"



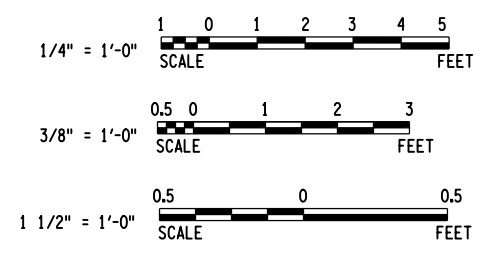
CHEEKWALL DETAILS
 1/4" = 1'-0"

THIS PORTION OF THE STUD SHALL BE REMOVED AFTER NUT HAS BEEN TIGHTENED TO THE SATISFACTION OF ENGINEER



ANCHOR STUD
 1/2" = 1'-0"

- NOTES:**
- UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
 - EPOXY-COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
 - FOR SECTIONS C-C AND D-D, SEE DWG. NO. ST1-12.
 - FOR BEGIN ABUTMENT BAR LIST, SEE DWG. NO. ST1-24
 - ANCHOR STUDS SHALL BE ASTM F1554, GRADE 105.
 - ALL STEEL SHALL CONFORM TO ASTM A709, GRADE 50.
 - ANCHOR STUDS, WASHER PLATES, KEEPER ANGLE AND NUTS SHALL MEET THE REQUIREMENTS OF SUBSECTION 723-60. THEY SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF MATERIAL SUBSECTION 719-01, "GALVANIZED COATINGS AND REPAIR METHODS." THEIR COST (INCLUDING GALVANIZING) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR TYPE E.L. BEARING (56 TO 111 KIPS), ITEM 565.1922.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 EASTBOUND	D262100
	TOWN OF SOUTHEAST				BEGIN ABUTMENT	DRAWING NO. ST1-14
	COUNTY: PUTNAM				REINFORCEMENT DETAILS 3 OF 3	SHEET NO. 122

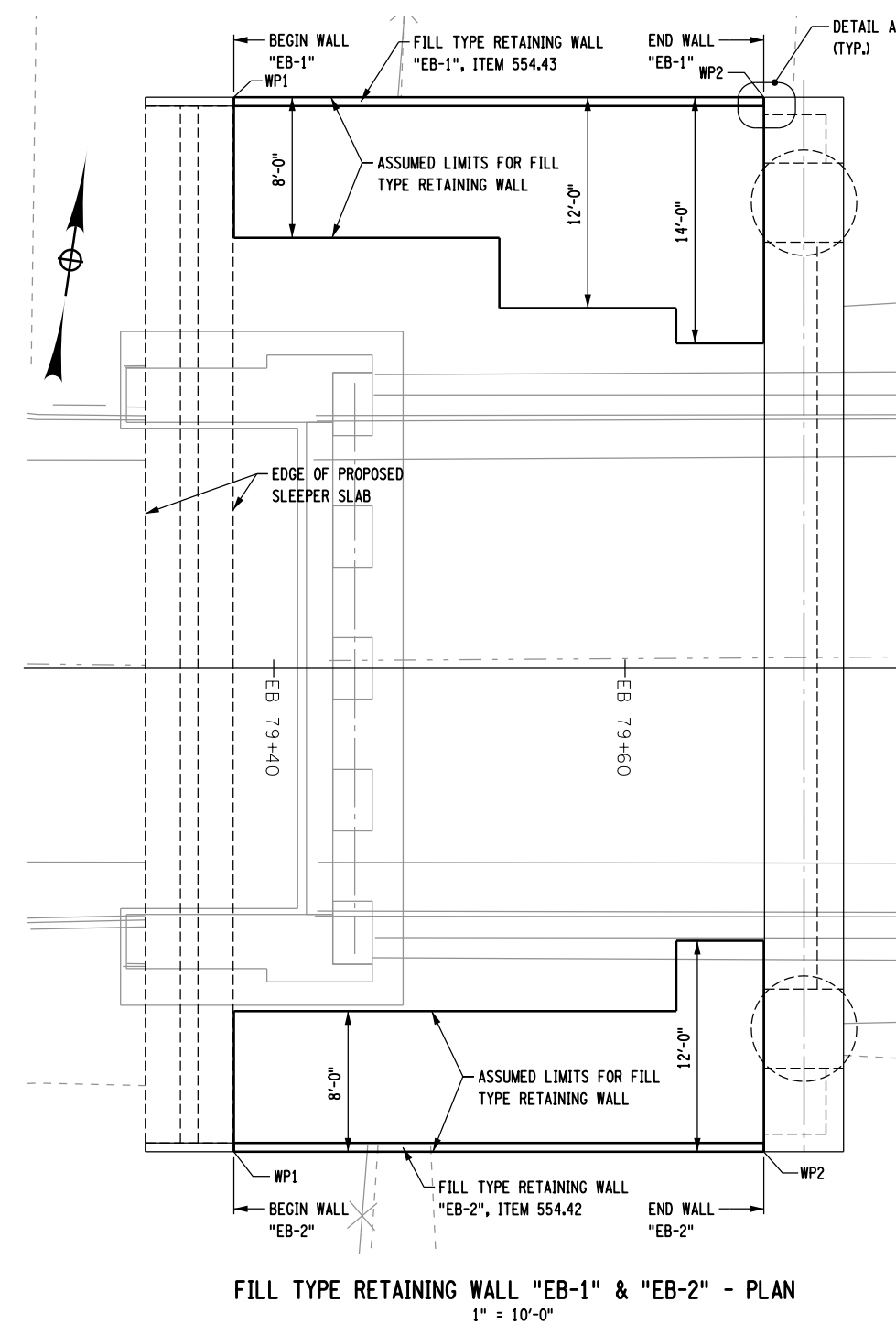
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

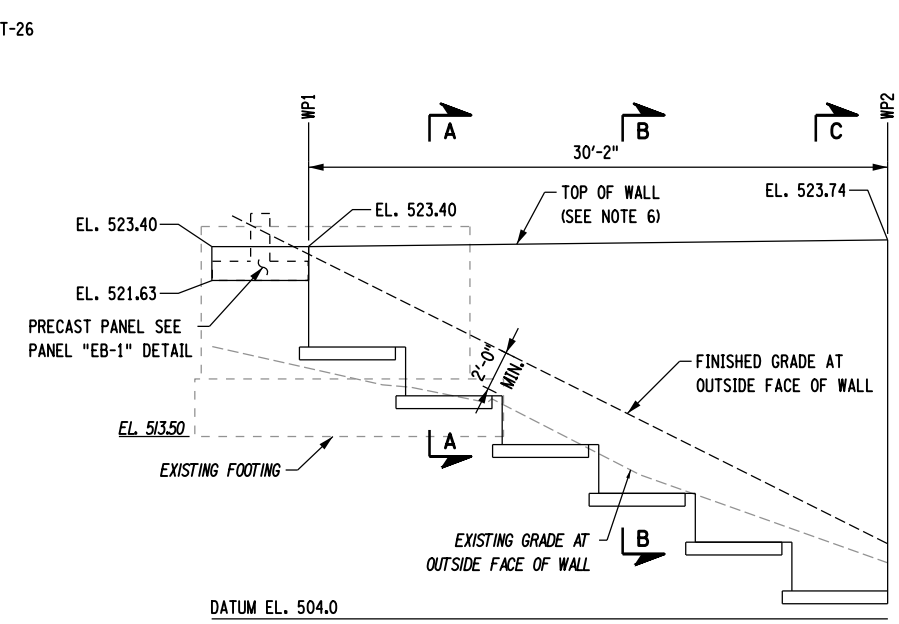


FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.cpb.ST1-15_wal_pln_beg_EB_cabut_wal.dgn
 DATE/TIME = 06-AUG-2012 16:02
 USER = pello

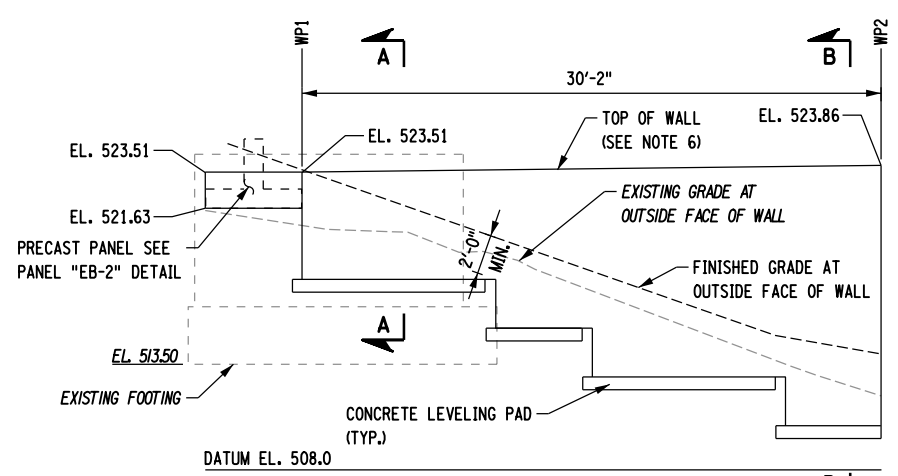
PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING J. JUZWIN
 CHECK M. RIEGEL
 DESIGN J. JUZWIN
 JOB MANAGER B. SIVAKUMAR
 DESIGN SUPERVISOR B. SIVAKUMAR



FILL TYPE RETAINING WALL "EB-1" & "EB-2" - PLAN
 1" = 10'-0"



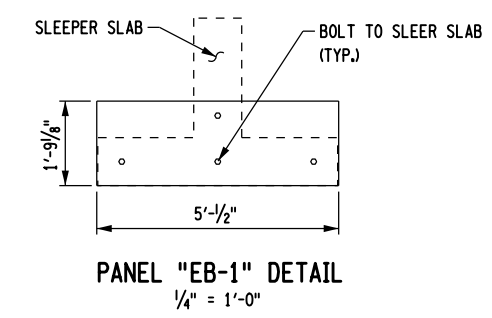
WALL "EB-1" - ELEVATION
 1" = 10'-0"



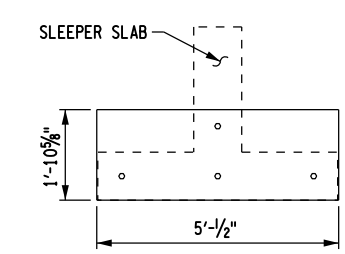
WALL "EB-2" - ELEVATION
 1" = 10'-0"

NOTES:

1. WORKPOINTS ARE GIVEN AT OUTSIDE FACE OF RETAINING WALL.
2. LEVELING PAD AND BOTTOM OF FILL TYPE RETAINING WALL ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL VERIFY TOP OF LEVELING PAD/BOTTOM OF WALL ELEVATION AND LEVELING PAD DIMENSIONS BASED ON WALL SYSTEM CHOSEN.
3. BOTTOM OF FILL TYPE RETAINING WALL SHALL BE EMBEDDED A MINIMUM OF TWO (2) FEET BELOW FINISHED GRADE AT OUTSIDE FACE OF WALL, AND NO MORE THAN FIVE (5) FEET BELOW THE ORIGINAL GROUND SURFACE.
4. WHERE THE WINGWALL IS TO INTERSECT WITH THE SLEEPER SLAB, A PRECAST CONCRETE PANEL SHALL BE BOLTED TO THE END OF THE SLEEPER SLAB IN PLACE OF A MODULAR WALL UNIT. THE PANELS SHALL BE INSTALLED FOLLOWING THE BRIDGE SLIDE. THE FINISH AT THE FACE OF THE PANELS SHALL MATCH THAT OF THE ADJACENT WALL UNITS.
5. FOR GENERIC WALL SECTIONS A-A THROUGH C-C AND ADDITIONAL NOTES AND DETAILS SEE "FILL TYPE RETAINING WALL DETAILS" SHEET, DWG. NO. ST-26.
6. PROVIDE MINIMUM 3 INCH CLEARANCE BETWEEN THE TOP OF WALL AND BOTTOM OF APPROACH SLAB TO ACCOMMODATE THE SLIDE.



PANEL "EB-1" DETAIL
 1/4" = 1'-0"



PANEL "EB-2" DETAIL
 1/4" = 1'-0"

WORKPOINT TABLE - WALL "EB-1"				
WORKPOINT	STATION	OFFSET	NORTHING	EASTING
WP1	EB 79+37.71	32.5 L	930761.10	750152.27
WP2	EB 79+67.90	32.5 L	930765.49	750182.14

WORKPOINT TABLE - WALL "EB-2"				
WORKPOINT	STATION	OFFSET	NORTHING	EASTING
WP1	EB 79+37.74	27.5 R	930701.74	750161.01
WP2	EB 79+67.90	27.5 R	930706.13	750190.87

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

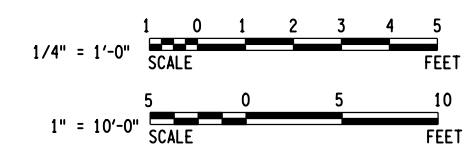
I-84 OVER DINGLE RIDGE ROAD
 F.J.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84

BRIDGES
 1032621
 1032622

CULVERTS
 ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 I-84 EASTBOUND
 BEGIN ABUTMENT
 WINGWALL PLAN AND ELEVATION

CONTRACT NUMBER
 D262100
 DRAWING NO. ST1-15
 SHEET NO. 123

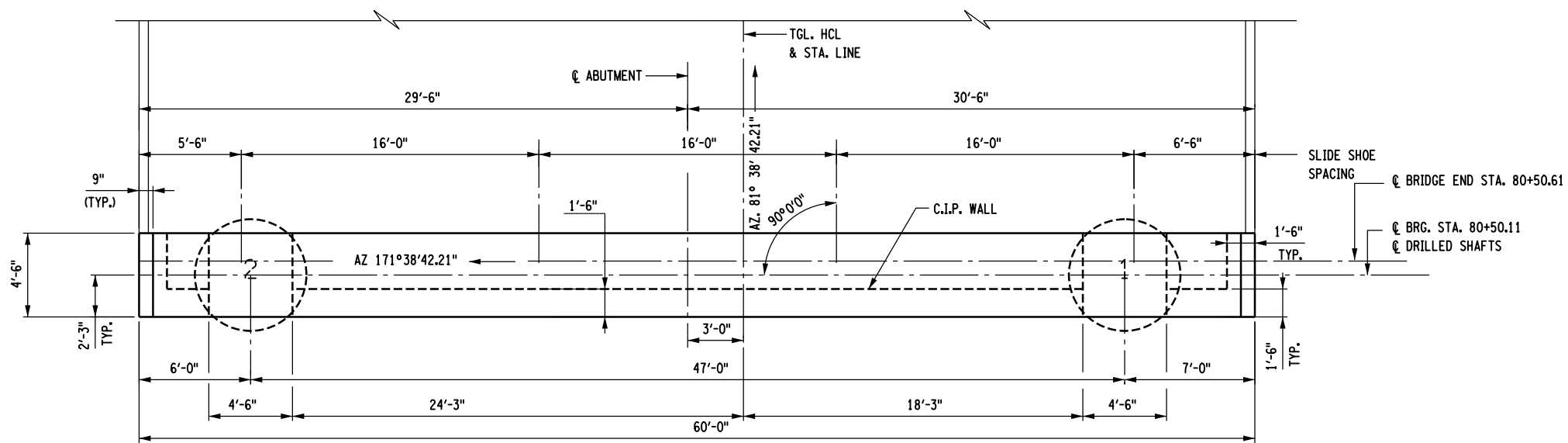


IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

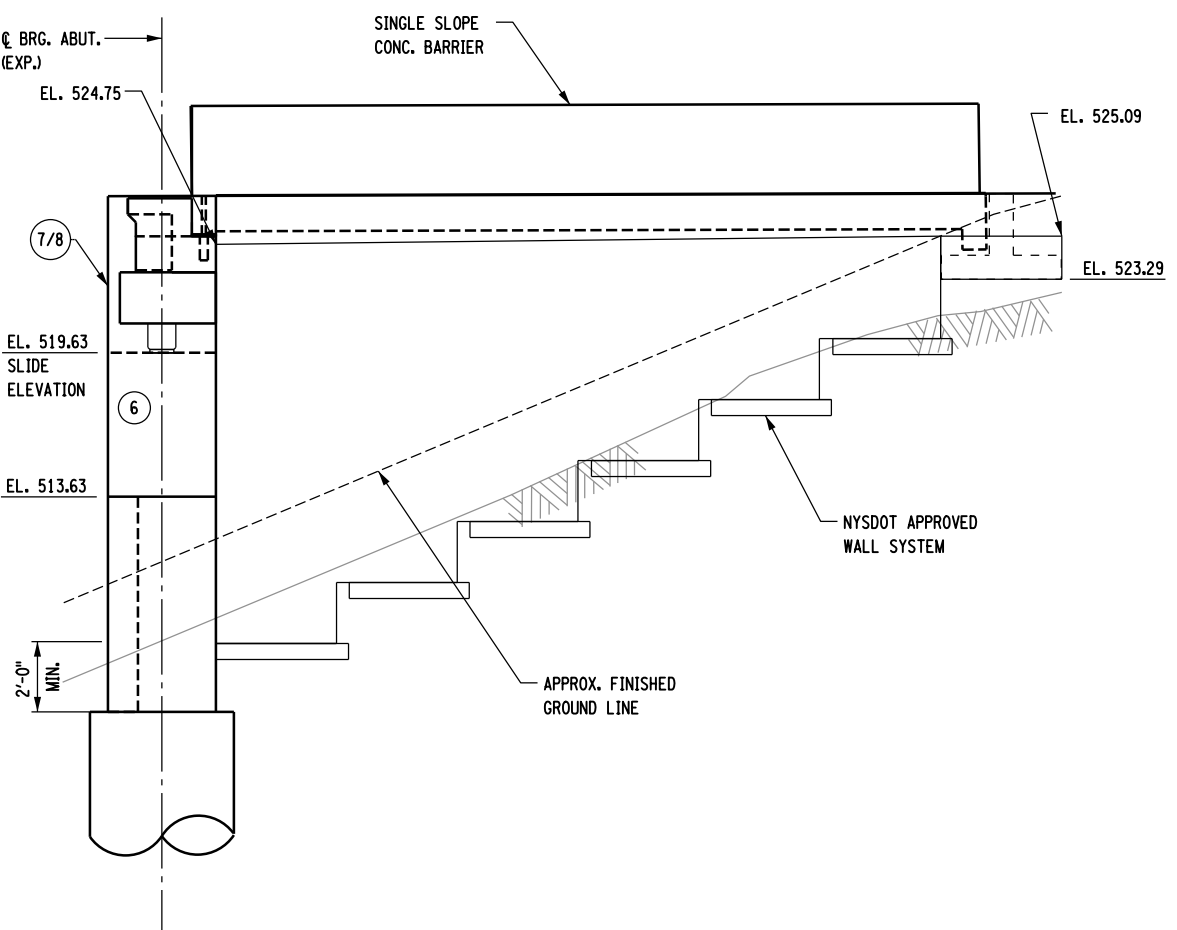
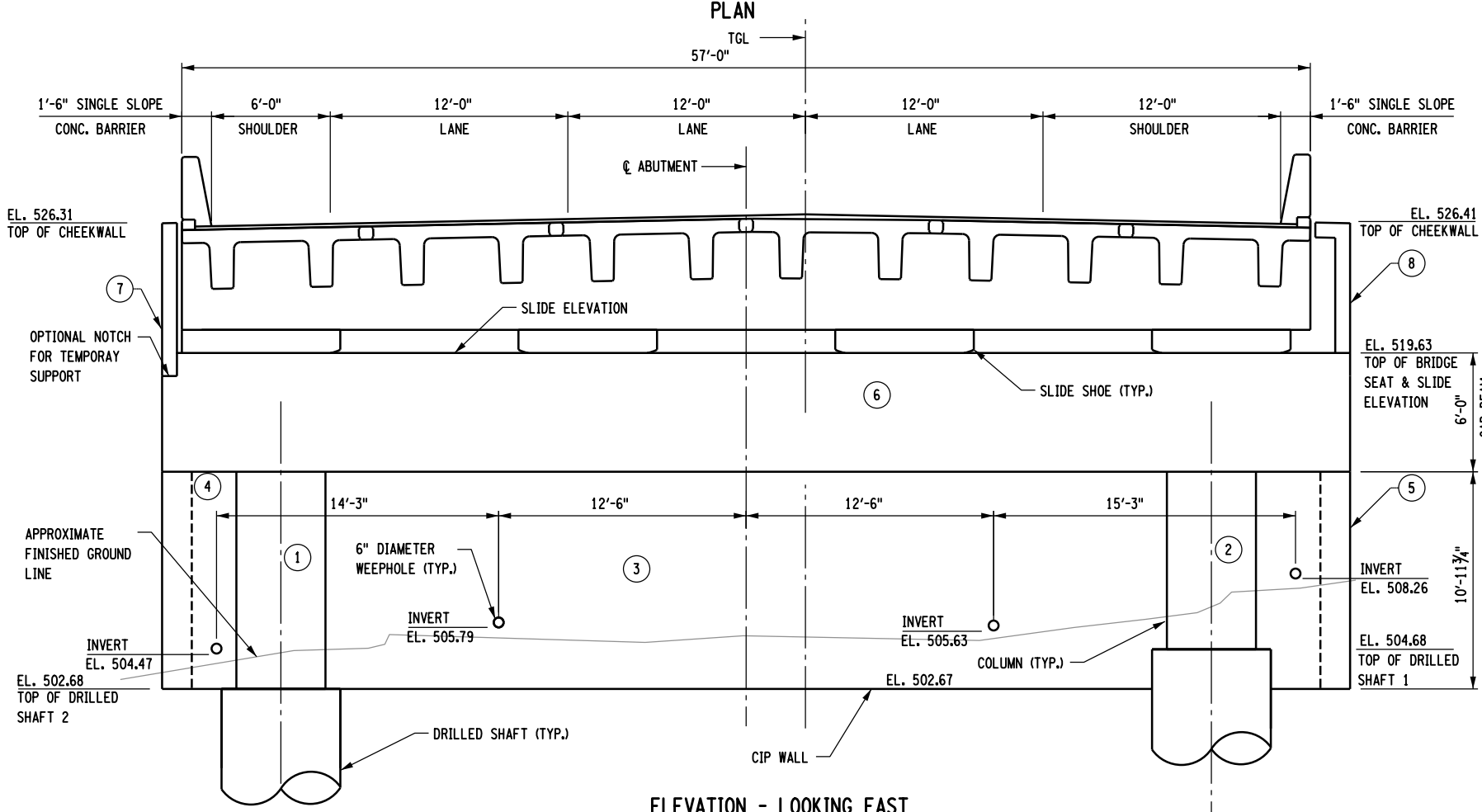
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:


FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0806210.cpb.ST1-16_abt_pln_end_EB_abut_layout.dgn
 DATE/TIME = 06-AUG-2012 16:02
 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN S. LIN
 CHECK C. BROSTO
 DRAFTING C. BROSTO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



CONCRETE TABLE		
PLACEMENT	QUANTITY [CY]	ITEM NO.
1	11.63	555.04400008
2	9.54	555.04400008
3	25.90	555.09
4	4.11	555.09
5	4.72	555.09
6	59.86	555.04400008
7	0.71	555.09
8	0.94	555.09



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12
 ALTERED BY: ON:


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:
 I-84 OVER DINGLE RIDGE ROAD
 F.J.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84

BRIDGES 1032621 1032622
 BIN 1032622

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

I-84 EASTBOUND END ABUTMENT PLAN AND ELEVATION

CONTRACT NUMBER: D262100
 DRAWING NO. ST1-16
 SHEET NO. 124

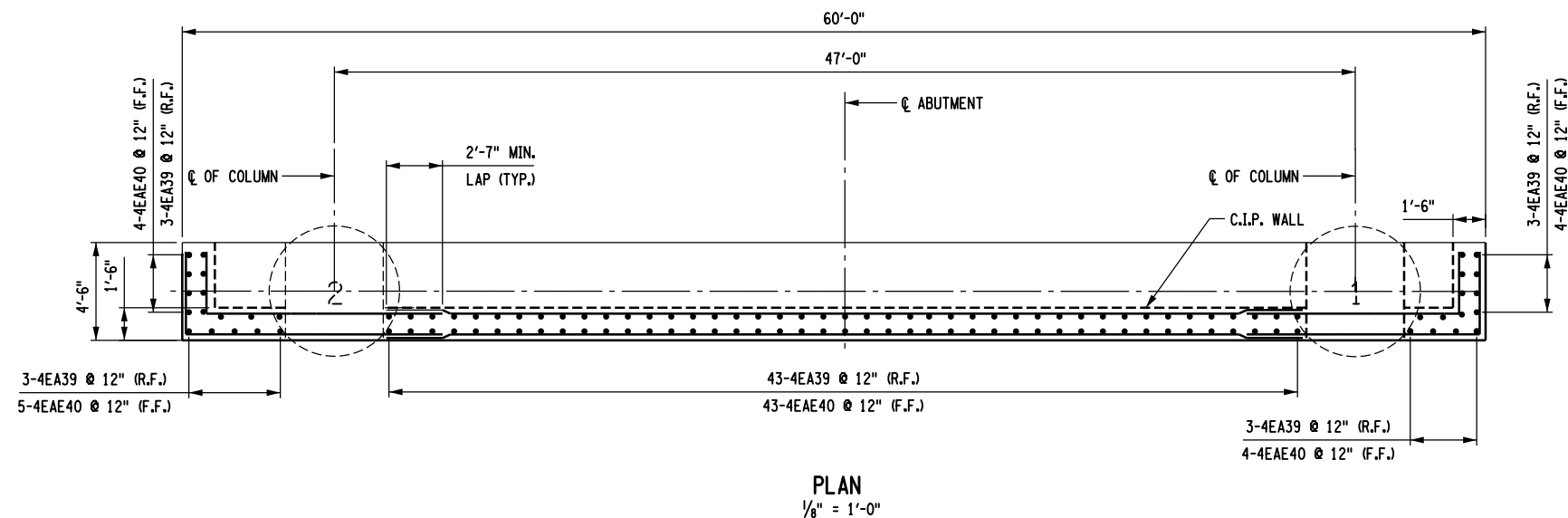
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:



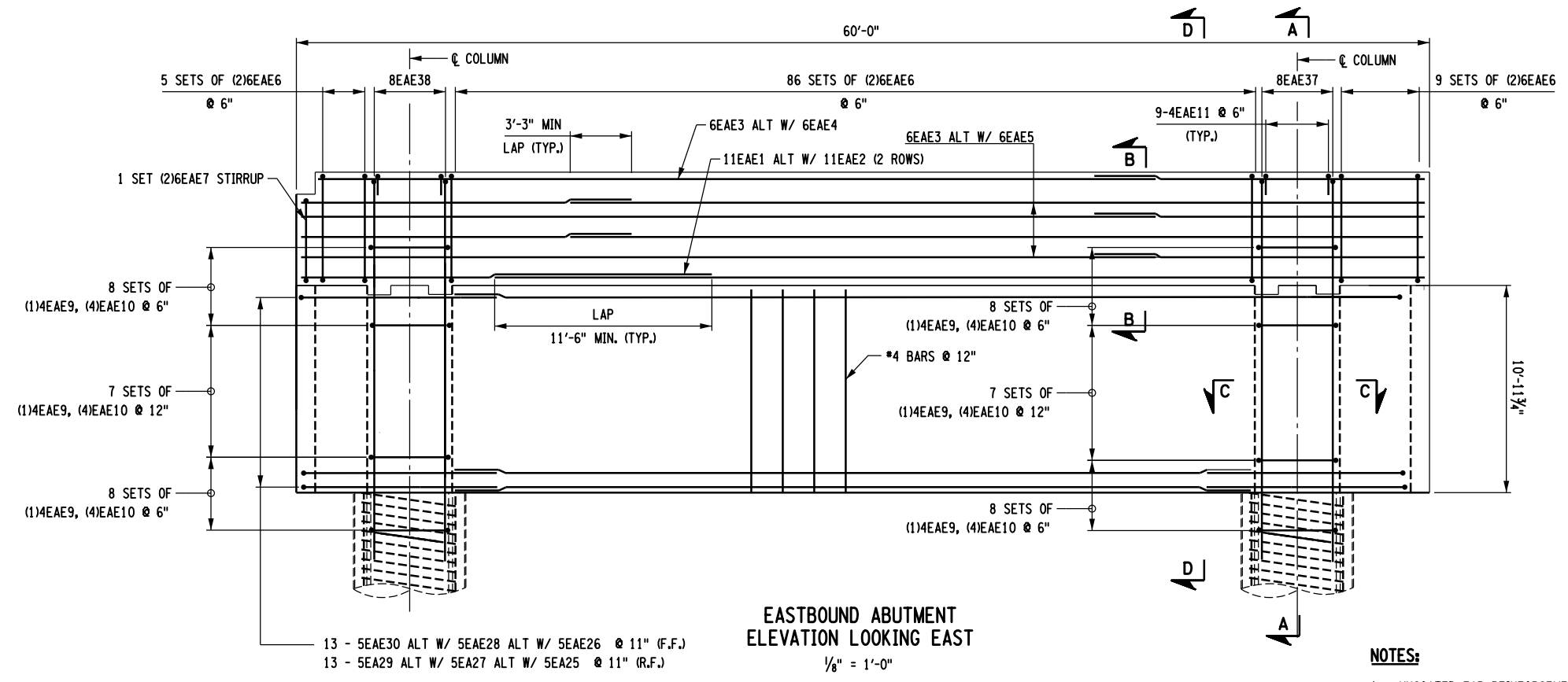
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FILE NAME = 06nyw006dep10cadd045737 TRBPhase 4 Dingle Ridge Road06210.opb.ST1-17_abt_rnf_end.EB_abut_reinf.dgn
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 USER = pello

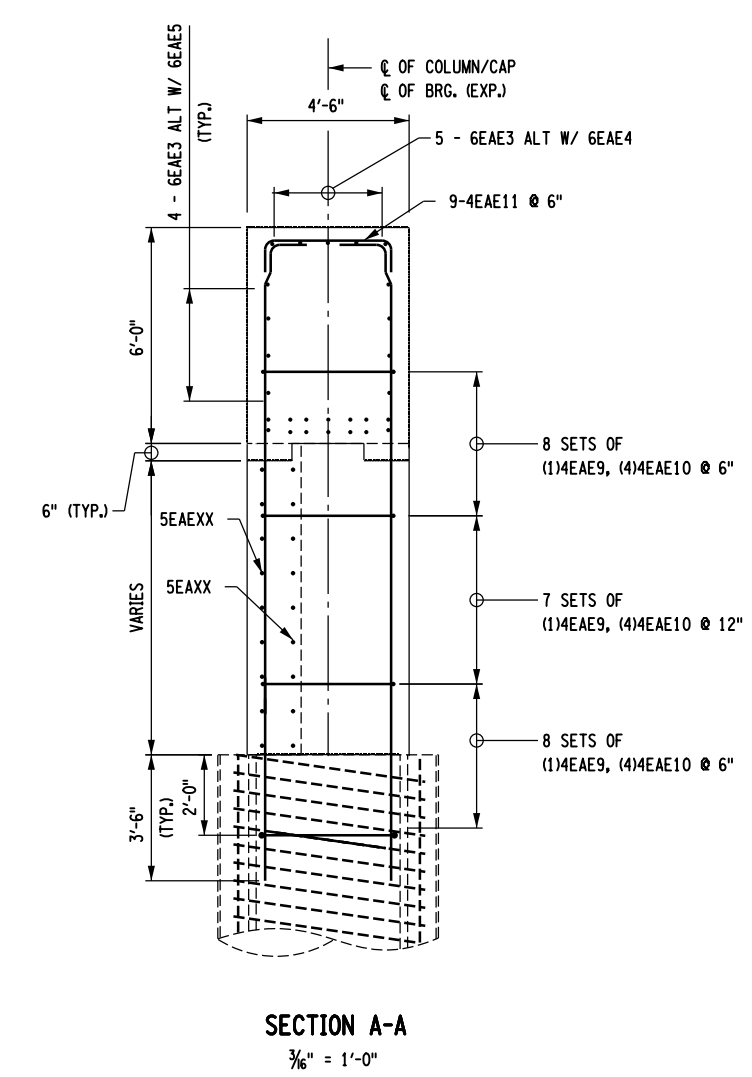
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN D. SHANKAR
 CHECK S. LIN
 DRAFTING D. SHANKAR
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



PLAN
 $\frac{1}{8}'' = 1'-0''$

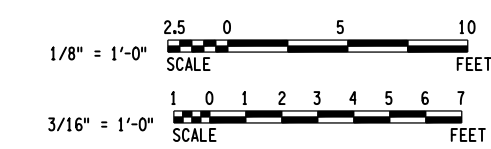


EASTBOUND ABUTMENT
 ELEVATION LOOKING EAST
 $\frac{1}{8}'' = 1'-0''$



SECTION A-A
 $\frac{3}{16}'' = 1'-0''$

- NOTES:**
- UNCOATED EAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
 - EPOXY-COATED EAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
 - FOR SECTION B-B, SEE DWG. NO. ST1-18.
 - FOR SECTIONS C-C AND D-D, SEE DWG. NO. ST1-19.
 - FOR END ABUTMENT BAR LIST, SEE DWG. NO. ST1-25.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: _____
 ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 EASTBOUND	D262100
	TOWN OF SOUTHEAST				END ABUTMENT	DRAWING NO. ST1-17
	COUNTY: PUTNAM				REINFORCEMENT DETAILS 1 OF 3	SHEET NO. 125

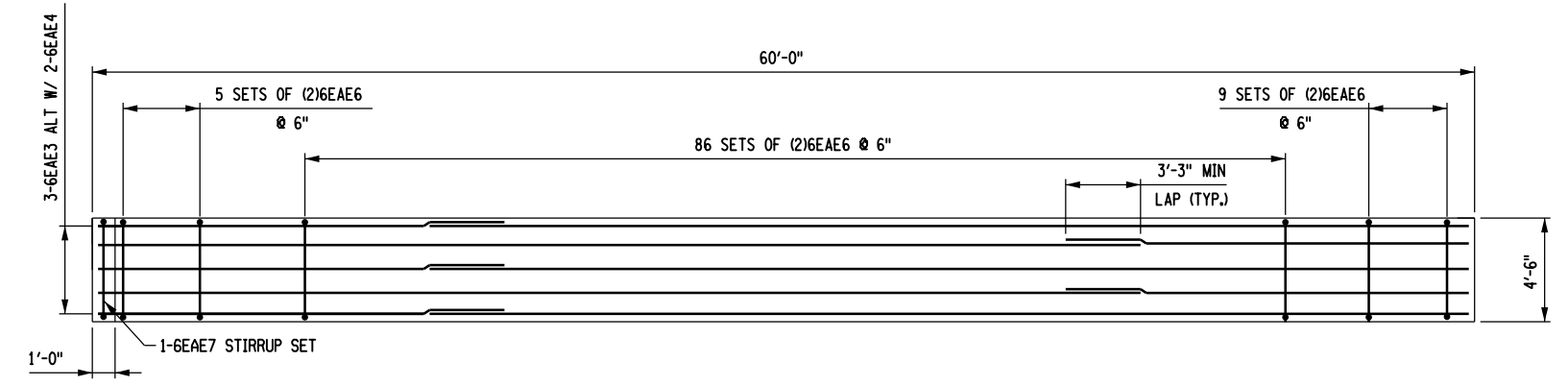
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HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

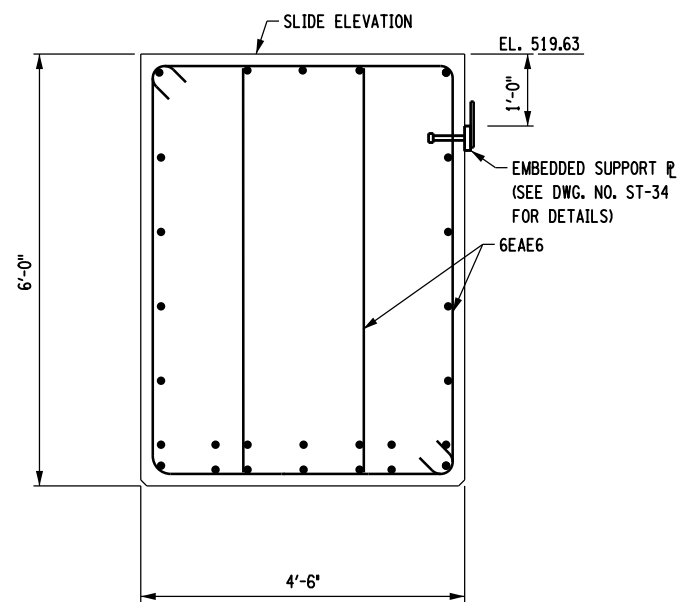
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep10cadd045737 TRB@Phase 4 Dingle Ridge Road0806210_cpb_ST1-18_obt_rnf_end.EB_abut_reinf.dgn
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 USER = pella

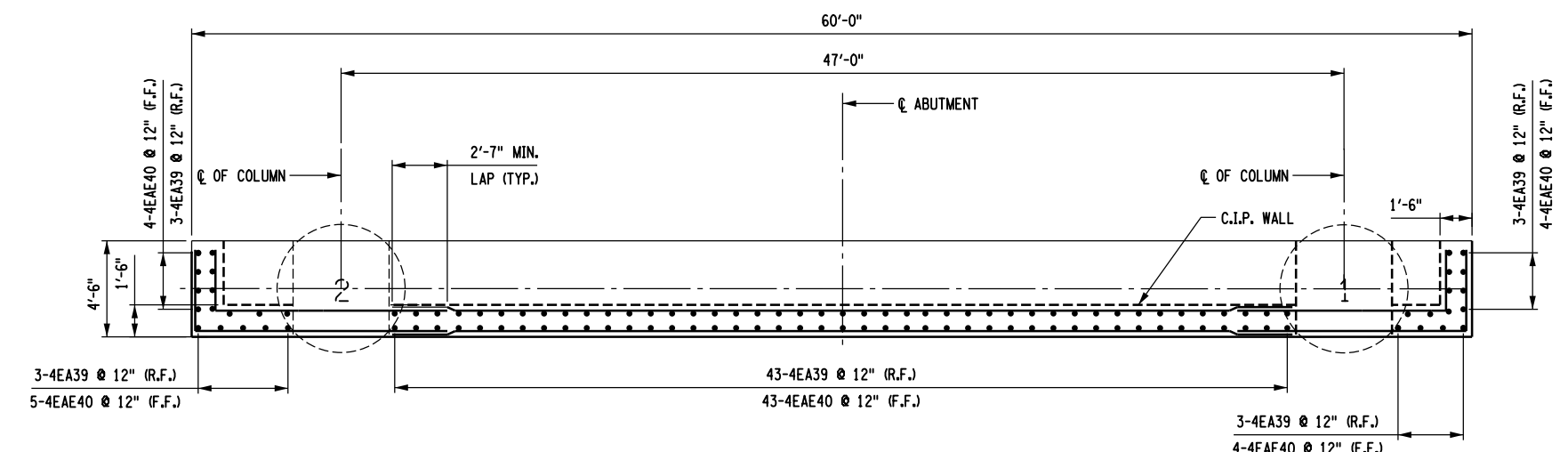
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN D. SHANKAR
 CHECK S. LIN
 DRAFTING D. SHANKAR
 CHECK S. LIN
 DRAFTING D. SHANKAR
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



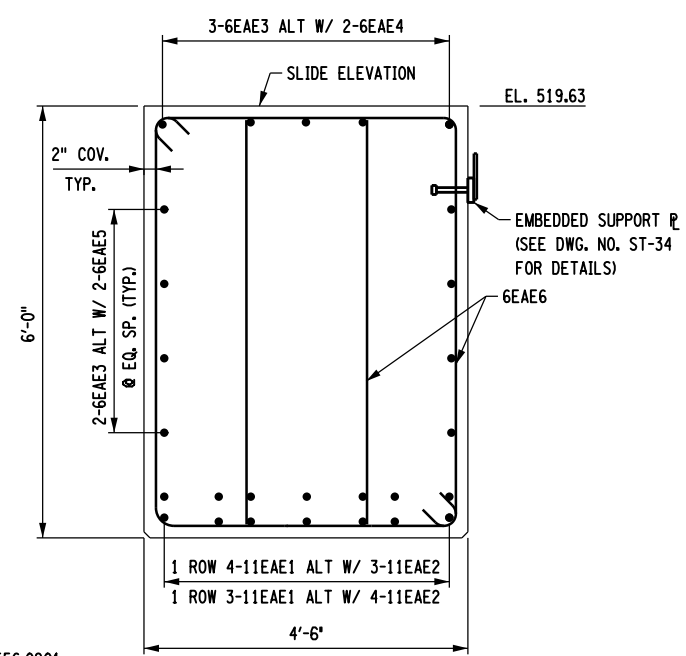
CAP BEAM PLAN
 1/8" = 1'-0"



CAP BEAM SECTION B-B
 3/8" = 1'-0"

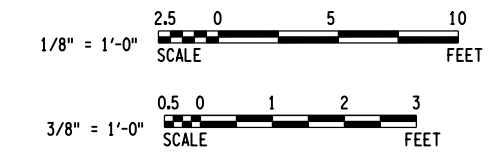


PLAN
 1/8" = 1'-0"



CAP BEAM SECTION B-B
 3/8" = 1'-0"

- NOTES:**
- UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
 - EPOXY-COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
 - FOR SECTION B-B, SEE DWG. NO. ST1-17.
 - FOR BACKFILL RETAINER DETAILS, SEE DWG. NO. ST-34.
 - FOR END ABUTMENT BAR LIST, SEE DWG. NO. ST1-25.
 - EMBEDDED SUPPORT PLATE TO BE PAID FOR UNDER ITEM 555.04400008.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:

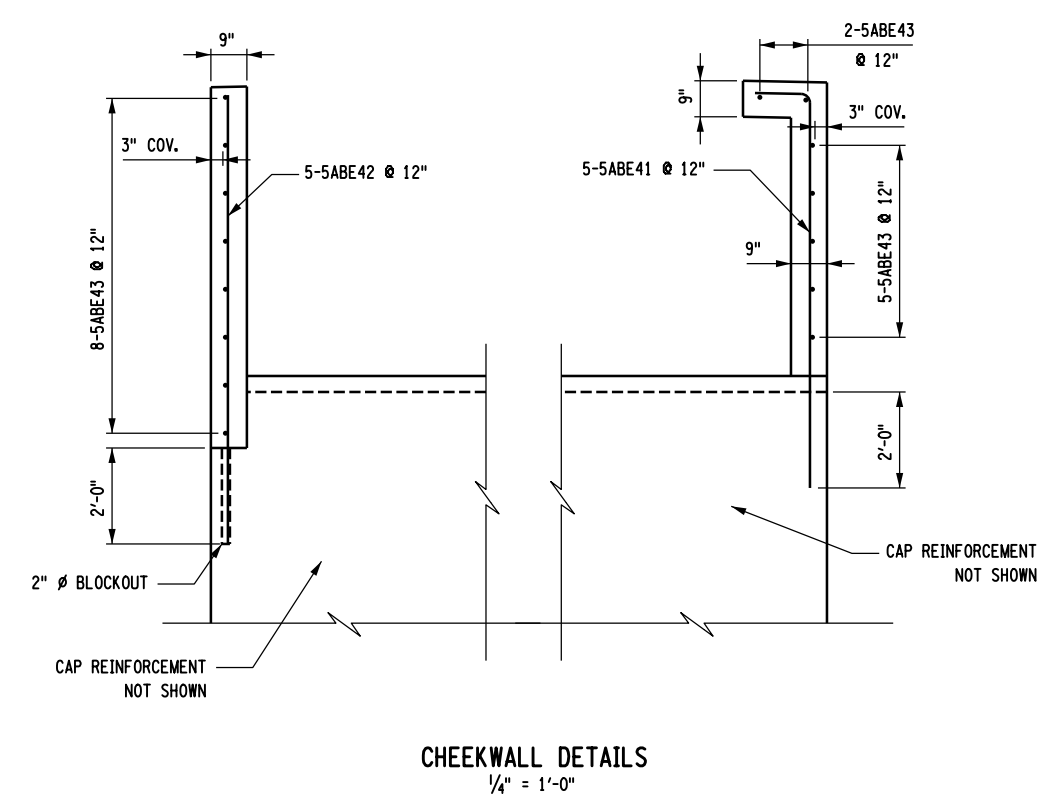
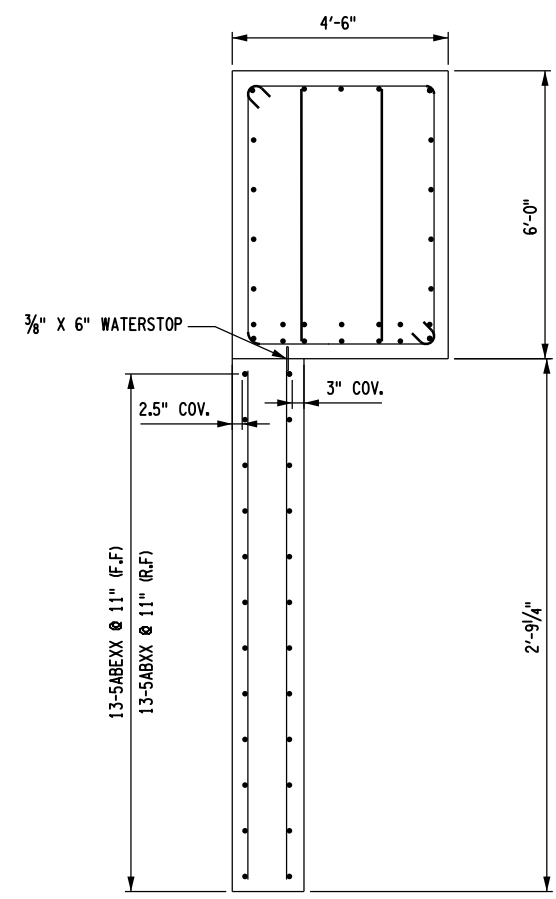
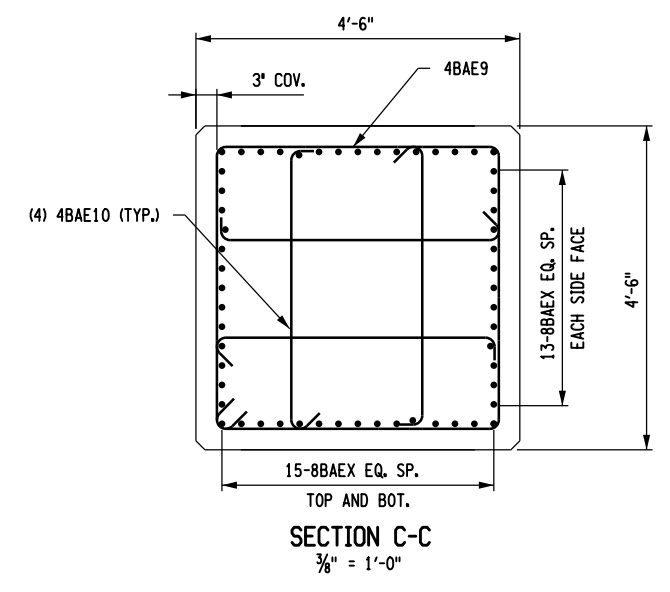
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 EASTBOUND END ABUTMENT REINFORCEMENT DETAILS 2 OF 3	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST1-18
	COUNTY: PUTNAM					SHEET NO. 126

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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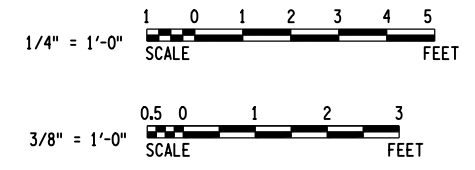
FILE NAME = 06nyw006dep10cadd045737 TR6@Phase 4 Dingle Ridge Road0606210.cpb.ST1-19_obt_rnf_end.EB_abut_reinf.dgn
 DATE/TIME = 27-AUG-2012 04:19
 USER = pella

DESIGN SUPERVISOR **B. SIVAKUMAR** JOB MANAGER **B. SIVAKUMAR** DESIGN **D. SHANKAR** DRAFTING **D. SHANKAR** CHECK **S. LIN** CHECK **S. LIN** PROJECT MANAGER **B. SIVAKUMAR**



NOTES:

- UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
- EPOXY-COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
- FOR SECTIONS C-C AND D-D, SEE DWG. NO. ST1-17.
- FOR END ABUTMENT BAR LIST, SEE DWG. NO. ST1-25.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY:
 ON:

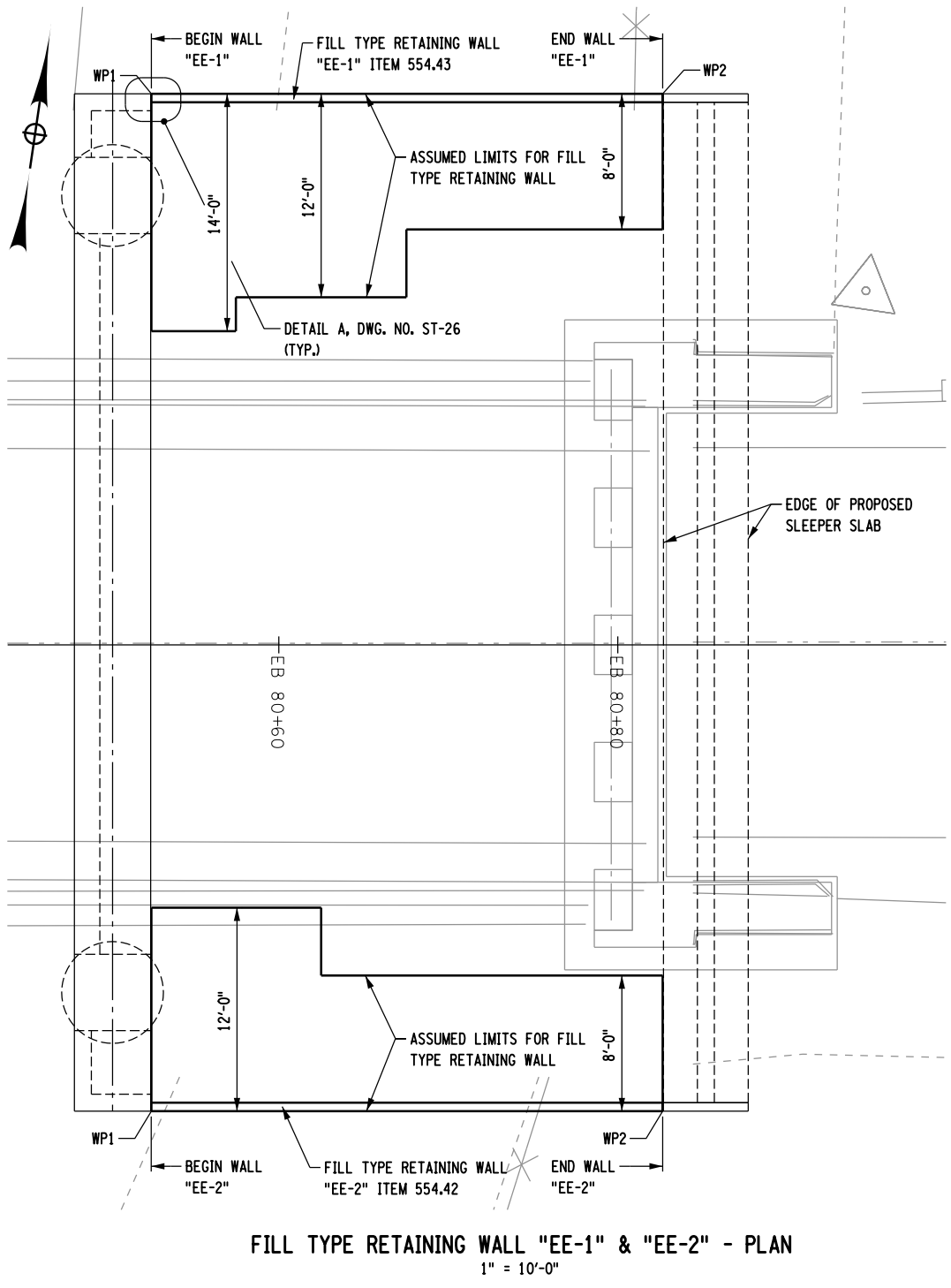
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84			I-84 EASTBOUND END ABUTMENT REINFORCEMENT DETAILS 3 OF 3	DRAWING NO. ST1-19
	TOWN OF SOUTHEAST					SHEET NO. 127
	COUNTY: PUTNAM					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

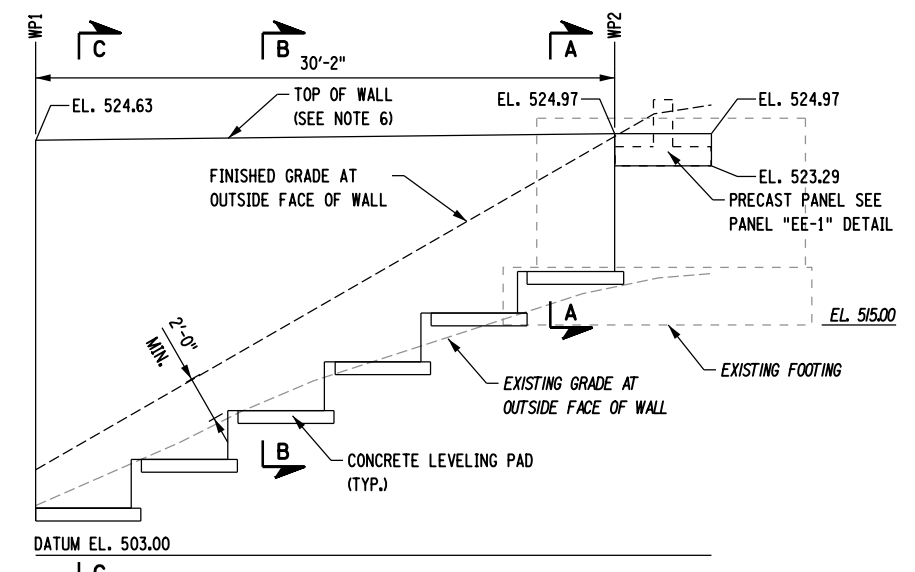
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

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 DATE/TIME = 06-AUG-2012 16:02
 USER = pello

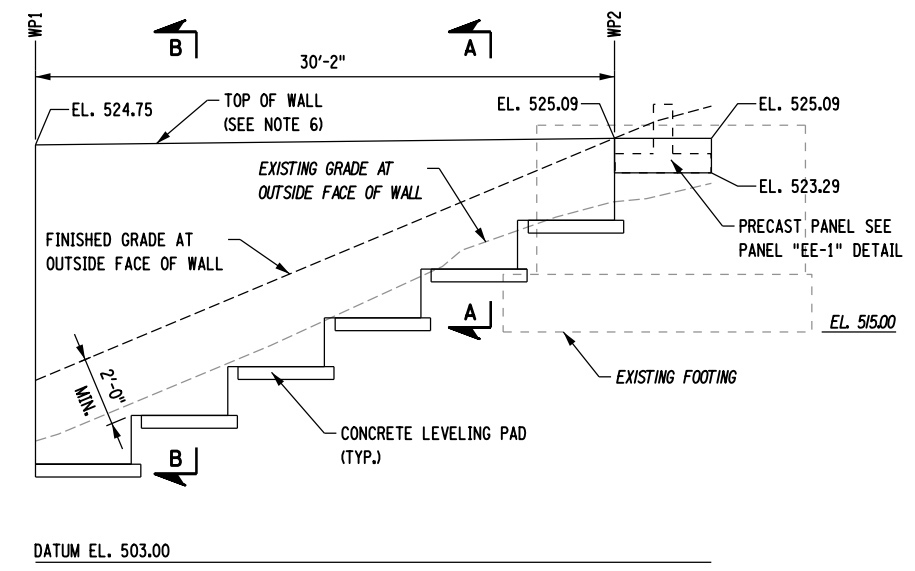
PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING J. JUZWIN
 CHECK M. RIEGEL
 DESIGN J. JUZWIN
 JOB MANAGER B. SIVAKUMAR
 DESIGN SUPERVISOR B. SIVAKUMAR



FILL TYPE RETAINING WALL "EE-1" & "EE-2" - PLAN
 1" = 10'-0"



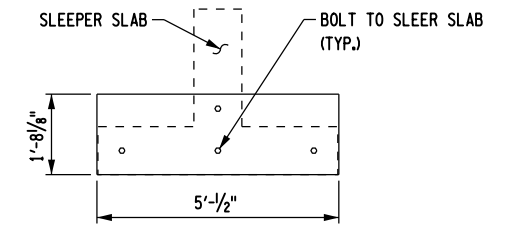
WALL "EE-1" - ELEVATION
 1" = 10'-0"



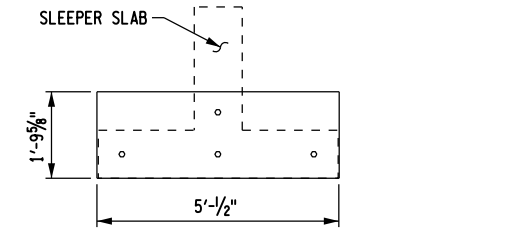
WALL "EE-2" - ELEVATION
 1" = 10'-0"

NOTES:

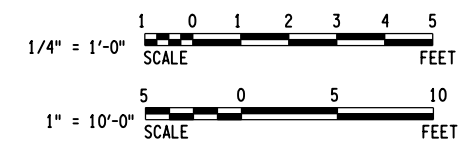
1. WORKPOINTS ARE GIVEN AT OUTSIDE FACE OF RETAINING WALL.
2. LEVELING PAD AND BOTTOM OF FILL TYPE RETAINING WALL ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL VERIFY TOP OF LEVELING PAD/BOTTOM OF WALL ELEVATION AND LEVELING PAD DIMENSIONS BASED ON WALL SYSTEM CHOSEN.
3. BOTTOM OF FILL TYPE RETAINING WALL SHALL BE EMBEDDED A MINIMUM OF TWO (2) FEET BELOW FINISHED GRADE AT OUTSIDE FACE OF WALL, AND NO MORE THAN FIVE (5) FEET BELOW THE ORIGINAL GROUND SURFACE.
4. WHERE THE WINGWALL IS TO INTERSECT WITH THE SLEEPER SLAB, A PRECAST CONCRETE PANEL SHALL BE BOLTED TO THE END OF THE SLEEPER SLAB IN PLACE OF A MODULAR WALL UNIT. THE PANELS SHALL BE INSTALLED FOLLOWING THE BRIDGE SLIDE. THE FINISH AT THE FACE OF THE PANELS SHALL MATCH THAT OF THE ADJACENT WALL UNITS.
5. FOR GENERIC WALL SECTIONS A-A THROUGH C-C AND ADDITIONAL NOTES AND DETAILS SEE "FILL TYPE RETAINING WALL DETAILS" SHEET, DWG. NO. ST-26.
6. PROVIDE MINIMUM 3 INCH CLEARANCE BETWEEN THE TOP OF WALL AND BOTTOM OF APPROACH SLAB TO ACCOMMODATE THE SLIDE.



PANEL "EE-1" DETAIL
 1/4" = 1'-0"



PANEL "EE-2" DETAIL
 1/4" = 1'-0"



WORKPOINT TABLE - WALL "EE-1"				
WORKPOINT	STATION	OFFSET	NORTHING	EASTING
WP1	EB 80+52.48	32.5 L	930777.78	750265.82
WP2	EB 80+82.67	32.5 L	930782.16	750295.69

WORKPOINT TABLE - WALL "EE-2"				
WORKPOINT	STATION	OFFSET	NORTHING	EASTING
WP1	EB 80+52.48	27.5 R	930718.41	750274.52
WP2	EB 80+82.64	27.5 R	930722.79	750304.38

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621 1032622	CULVERTS
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84		
	TOWN OF SOUTHEAST			
	COUNTY: PUTNAM			

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
I-84 EASTBOUND	D262100
END ABUTMENT	DRAWING NO. ST1-20
WINGWALL PLAN AND ELEVATION	SHEET NO. 128

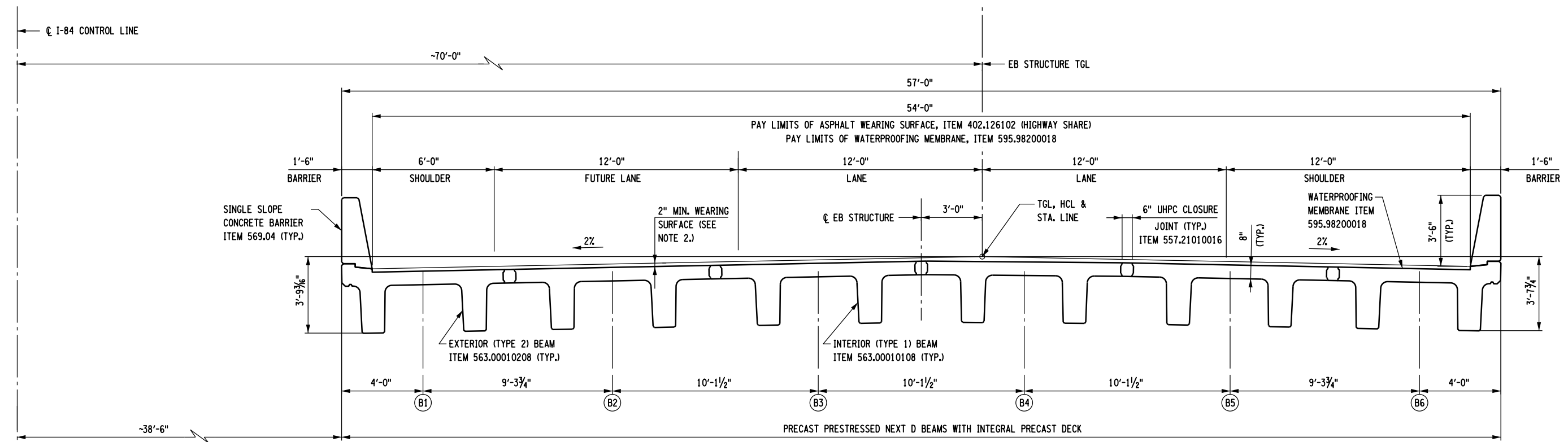
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
DOCUMENT NAME:

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

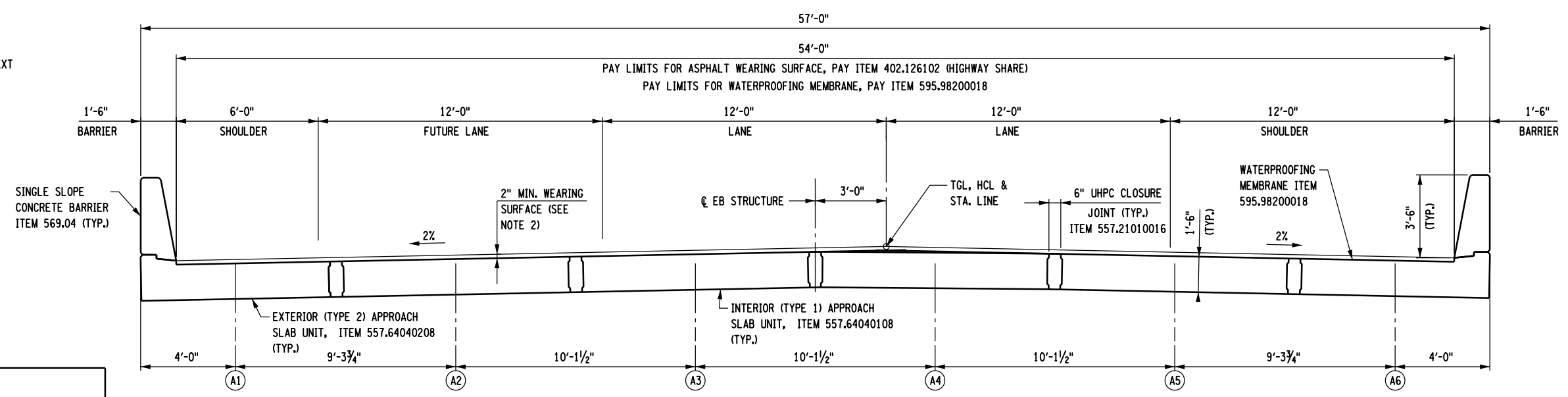
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 DATE/TIME = 06-AUG-2012 16:02
 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN G. HARRELL
 CHECK C. CROSDI
 DRAFTING F. PADILLA
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



STRUCTURE TYPICAL SECTION
 3/16" = 1'-0"

- NOTES:**
1. PRECAST PRESTRESSED BEAMS ARE BASED ON PCINE NEXT "D" BEAM DETAILS.
 2. WEARING SURFACE THICKNESS VARIES FROM 2" MINIMUM THICKNESS AT THE TGL TO PROVIDE CONSTANT CROSS-SLOPE IN THE FINAL CONDITION.
 3. FOR UHPC CLOSURE JOINT DETAILS, SEE DWG. NO. ST1-22.



APPROACH TYPICAL SECTION
 (BEGIN APPROACH SLAB SHOWN; END APPROACH SLAB SIMILAR)
 3/16" = 1'-0"



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622			D262100
	TOWN OF SOUTHEAST		BIN 1032622			DRAWING NO. ST1-21
	COUNTY: PUTNAM					SHEET NO. 129

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

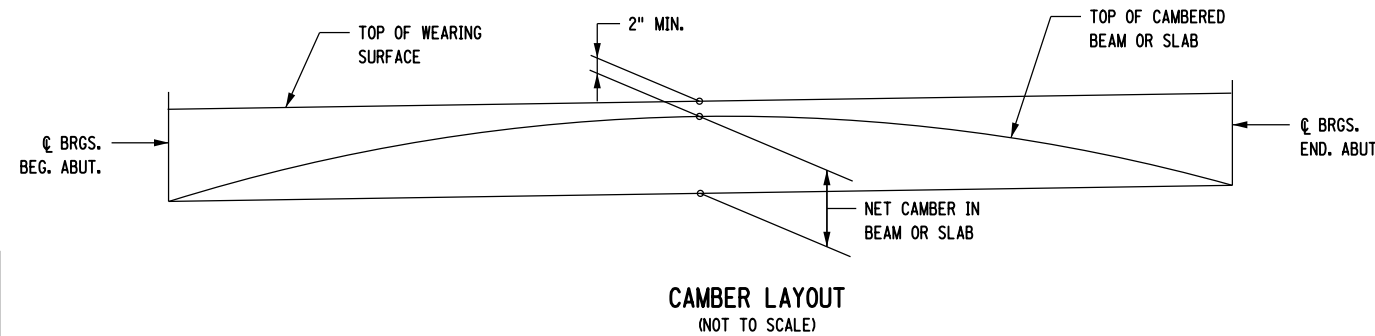
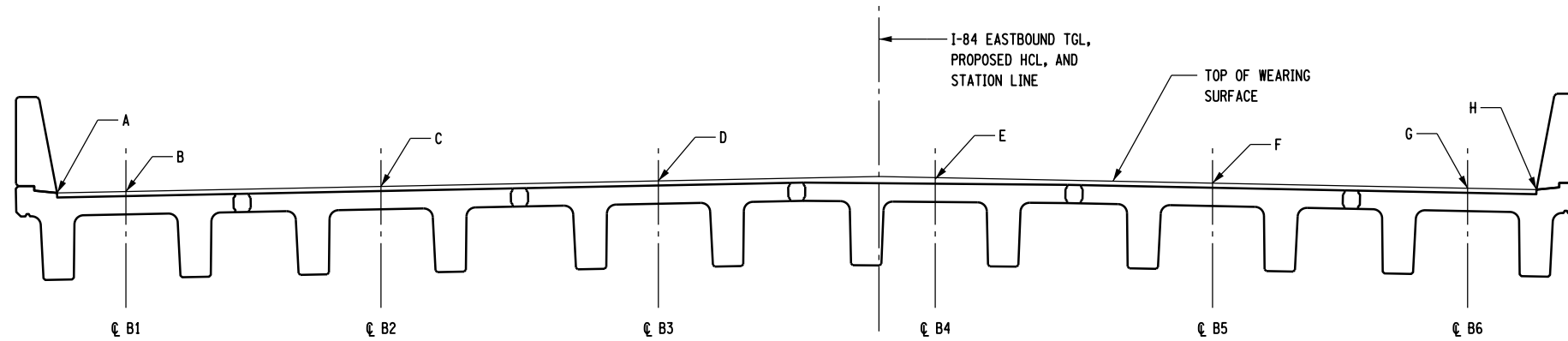
FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.apb.ST1-23.tbl.cam.EB.deck.elevs.dgn
 DATE/TIME = 06-AUG-2012 16:03
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN G. HARRELL CHECK F. PADILLA DRAFTING F. PADILLA CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR

LOCATION	LOCATION STA.		DECK ELEVATION TABLE													
	TGL OFFSET	A.P.E.	BRD. BEG.	¢ BRG. B.A.	0.1 L	0.2 L	0.3 L	0.4 L	0.5 L	0.6 L	0.7 L	0.8 L	0.9 L	¢ BRG. E.A.	BRD. ENDS	A.P.B.
		79+34.61	79+69.61	79+70.11	79+78.11	79+86.11	79+94.11	80+02.11	80+10.11	80+18.11	80+26.11	80+34.11	80+42.11	80+50.11	80+50.61	80+85.61
A	30.00	525.18	525.54	525.55	525.63	525.72	525.80	525.88	525.96	526.05	526.13	526.21	526.29	526.38	526.38	526.74
B	27.50	525.23	525.59	525.60	525.68	525.77	525.85	525.93	526.01	526.10	526.18	526.26	526.34	526.43	526.43	526.79
C	18.19	525.42	525.78	525.79	525.87	525.95	526.03	526.12	526.20	526.28	526.36	526.45	526.53	526.61	526.62	526.98
D	8.06	525.62	525.98	525.99	526.07	526.15	526.24	526.32	526.40	526.48	526.57	526.65	526.73	526.82	526.82	527.18
E	2.06	525.74	526.10	526.11	526.19	526.27	526.36	526.44	526.52	526.60	526.69	526.77	526.85	526.94	526.94	527.30
F	12.19	525.54	525.90	525.91	525.99	526.07	526.15	526.24	526.32	526.40	526.48	526.57	526.65	526.73	526.74	527.10
G	21.50	525.35	525.71	525.72	525.80	525.89	525.97	526.05	526.13	526.22	526.30	526.38	526.46	526.55	526.55	526.91
H	24.00	525.30	525.66	525.67	525.75	525.84	525.92	526.00	526.08	526.17	526.25	526.33	526.41	526.50	526.50	526.86
TGL	0.00	525.78	526.15	526.15	526.23	526.32	526.40	526.48	526.56	526.65	526.73	526.81	526.89	526.98	526.98	527.34

LEGEND:

- A.P.E. APPROACH PAVEMENT ENDS
- B.A. BEGINNING ABUTMENT
- E.A. ENDING ABUTMENT
- A.P.B. APPROACH PAVEMENT BEGINS
- A EDGE OF LEFT SHOULDER
- B ¢ BEAM 1 (TOP OF WEARING SURFACE)
- C ¢ BEAM 2 (TOP OF WEARING SURFACE)
- D ¢ BEAM 3 (TOP OF WEARING SURFACE)
- E ¢ BEAM 4 (TOP OF WEARING SURFACE)
- F ¢ BEAM 5 (TOP OF WEARING SURFACE)
- G ¢ BEAM 6 (TOP OF WEARING SURFACE)
- H EDGE OF RIGHT SHOULDER



NOTES:

1. FOR I-84 EASTBOUND PROFILE GRADE LINE, SEE DWG. NO. ST1-4.
2. TABULATED ELEVATIONS ARE AT TOP OF WEARING SURFACE IN THE FINAL CONDITION.
3. MINIMUM THICKNESS OF THE WEARING SURFACE IS 2". THICKNESS MAY BE INCREASED TO 4" MAXIMUM TO ACHIEVE LONGITUDINAL GRADE.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
 F.I.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84

BRIDGES
 1032621
 1032622

CULVERTS
 ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 I-84 EASTBOUND
 DECK ELEVATION TABLE

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

CONTRACT NUMBER
 D262100

DRAWING NO. ST1-23
 SHEET NO. 131

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

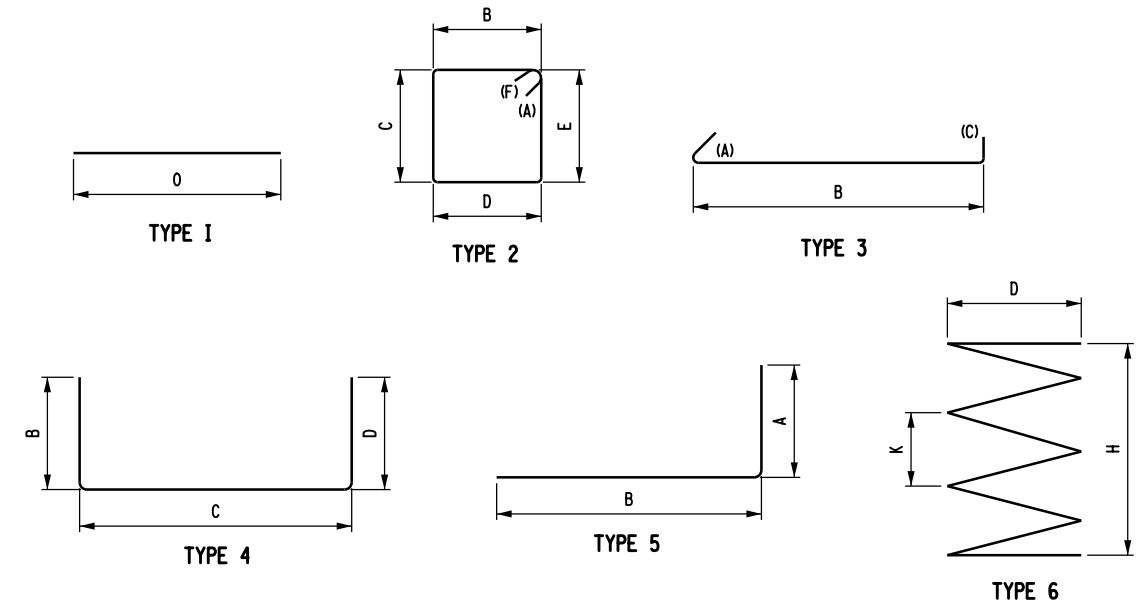
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 DATE/TIME = 27-AUG-2012 04:19
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR
 DESIGN G. HARRELL
 DRAFTING F. PADILLA
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR

BAR LIST - EASTBOUND BEGIN ABUTMENT

	MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R	
CAP BEAM	11BAE1	14	21'-6"	1	1599														21'-6"		
	11BAE2	14	49'-6"	1	3682														49'-6"		
	6BAE3	13	45'-6"	1	888														45'-6"		
	6BAE4	5	16'-3"	1	122														16'-3"		
	6BAE5	8	17'-3"	1	207														17'-3"		
	6BAE6	204	17'-10"	2	5464	0'-8"	2'-9"	5'-6"	2'-9"	5'-6"	0'-8"										
	6BAE7	2	15'-6"	2	47	0'-8"	2'-9"	4'-4"	2'-9"	4'-4"	0'-8"										
	5ABE37	2	45'-6"	1	95														45'-6"		
	5ABE38	2	16'-3"	1	34														16'-3"		
5ABE39	88	5'-2"	4	474		2'-0"	1'-2"	2'-0"													
COL 1	8BAE8	56	19'-9"	5	2953	1'-9"	18'-0"														
	4BAE9	21	16'-9"	2	235	0'-4 1/2"	4'-0"	4'-0"	4'-0"	4'-0"	4'-1/2"										
	4BAE10	84	4'-9"	3	267	0'-4 1/2"	4'-0"	0'-4 1/2"													
	4BAE11	9	5'-0"	4	30		0'-6"	4'-0"	0'-6"												
COL 2	8BAE12	56	16'-9"	5	2504	1'-9"	15'-0"														
	4BAE9	19	16'-9"	2	213	0'-4 1/2"	4'-0"	4'-0"	4'-0"	4'-0"	4'-1/2"										
	4BAE10	76	4'-9"	3	241	0'-4 1/2"	4'-0"	0'-4 1/2"													
	4BAE11	9	5'-0"	4	30		0'-6"	4'-0"	0'-6"												
RETAINER WALL	4BA13	7	5'-2 1/2"	1	24														5'-2 1/2"		
	4BAE14	9	5'-2 1/2"	1	31														5'-2 1/2"		
	4BA15	9	6'-2 1/2"	1	37														6'-2 1/2"		
	4BAE16	9	6'-2 1/2"	1	37														6'-2 1/2"		
	4BA17	2	6'-8 1/2"	1	9														6'-8 1/2"		
	4BAE18	2	6'-8 1/2"	1	9														6'-8 1/2"		
	4BA19	13	7'-2 1/2"	1	63														7'-2 1/2"		
	4BAE20	13	7'-2 1/2"	1	63														7'-2 1/2"		
	4BA21	2	7'-8 1/2"	1	10														7'-8 1/2"		
	4BAE22	2	7'-8 1/2"	1	10														7'-8 1/2"		
	4BA23	23	8'-2 1/2"	1	126														8'-2 1/2"		
	4BAE24	25	8'-2 1/2"	1	137														8'-2 1/2"		
	5BA25	6	13'-8"	5	86	3'-0"	10'-8"														
	5BAE26	6	15'-8"	5	98	4'-0"	11'-8"														
	5BA27	7	42'-0"	1	307														42'-0"		
	5BAE28	7	42'-0"	1	307														42'-0"		
	5BA29	9	12'-8"	5	119	3'-0"	9'-8"														
	5BAE30	9	14'-8"	5	138	4'-0"	10'-8"														
	5BA31	1	4'-11 1/2"	5	5	0'-10"	4'-1 1/2"														
	5BAE32	1	4'-11 1/2"	5	5	0'-10"	4'-1 1/2"														
	RBA33	1	31'-5"	1	33														31'-5"		
	5BAE34	1	31'-5"	1	33														31'-5"		
	5BA35	1	17'-0"	1	18														17'-0"		
	5BAE36	1	17'-0"	1	18														17'-0"		
	TOTAL EPOXY BARS						19,971 LBS. ITEM 556.0202														
	TOTAL BLACK BARS						836 LBS. ITEM 556.0201														

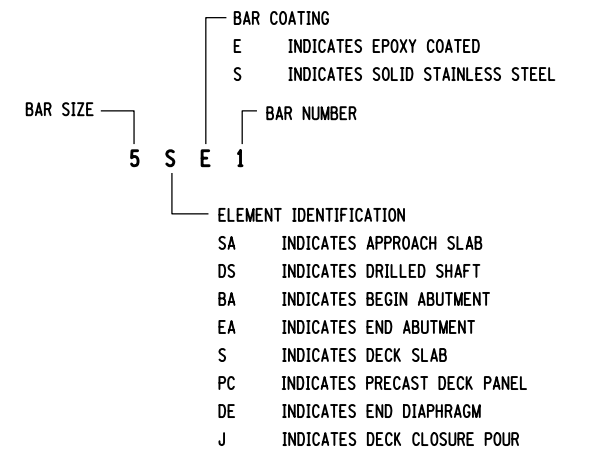
DS1	11DS1	44	38'-10"	1	9,079														38'-10"	
	6DS2	1	188'-6"	6	284				5'-0"					3'-0"					0'-3"	
	6DS3	1	1126'-3"	6	1692				5'-0"					35'-10"					0'-6"	
DS2	11DS4	44	20'-1"	1	4,695														20'-1"	
	6DS2	1	118'-6"	6	284				5'-0"					3'-0"					0'-3"	
	6DS5	1	537'-0"	6	807				5'-0"					17'-1"					0'-6"	



NOTES:

- FOR ABUTMENT DETAILS, SEE DWG. NOS. ST1-12 TO ST1-14.
- FOR DRILLED SHAFT DETAILS, SEE DWG. NO. ST1-10.
- ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS.

BAR LEGEND



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY:
 ON:

AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
 F.J.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84

BRIDGES
 1032621
 1032622
 BIN 1032621
 BIN 1032622

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

I-84 EASTBOUND
 BEGIN ABUTMENT
 BAR LIST

5 Penn Plaza, 6th Floor
 New York, New York 10001

CONTRACT NUMBER
 D262100

DRAWING NO. ST1-24
 SHEET NO. 132

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.cpb.ST1-25.tbl.bar_EB.lis1_abut.dgn
 DATE/TIME = 06-AUG-2012 16:03
 USER = pella

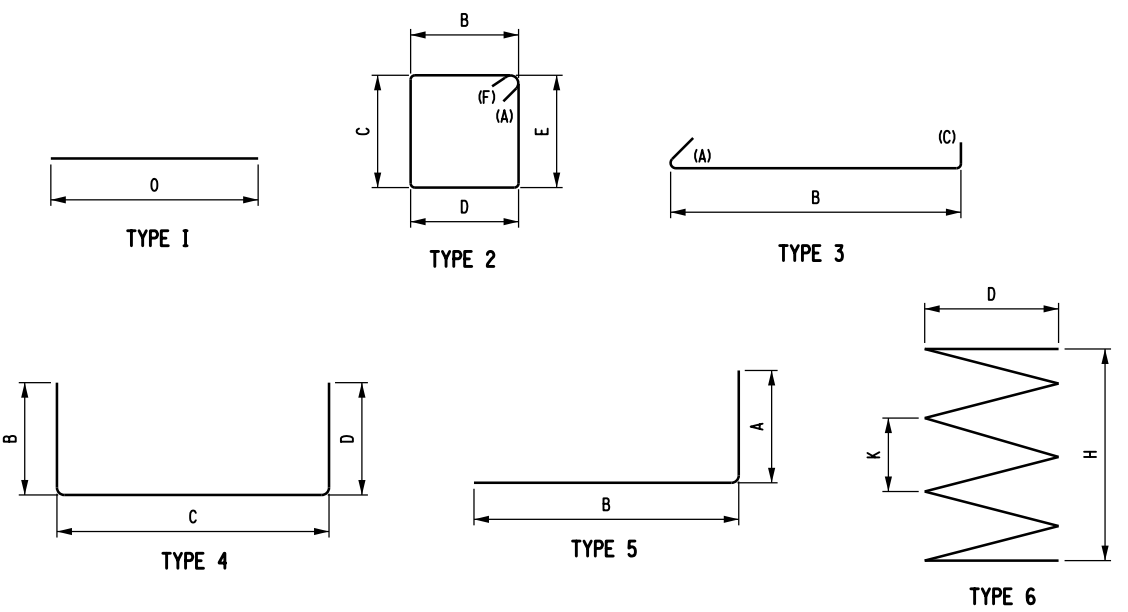
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN G. HARRELL
 DRAFTING F. PADILLA
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR

BAR LIST - EASTBOUND END ABUTMENT

	MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R
CAP BEAM	11EAE1	14	21'-6"	1	1599														21'-6"	
	11EAE2	14	49'-6"	1	3682														49'-6"	
	6EAE3	13	45'-6"	1	888														45'-6"	
	6EAE4	5	16'-3"	1	122														16'-3"	
	6EAE5	8	17'-3"	1	207														17'-3"	
	6EAE6	204	17'-10"	2	5464	0'-8"	2'-9"	5'-6"	2'-9"	5'-6"	0'-8"									
	6EAE7	2	15'-6"	2	47	0'-8"	2'-9"	4'-4"	2'-9"	4'-4"	0'-8"									
COL 1	8EAE37	56	22'-0"	5	3289	1'-9"	20'-3"													
	4EAE9	23	16'-9"	2	257	0'-4 1/2"	4'-0"	4'-0"	4'-0"	4'-0"	4'-1/2"									
	4EAE10	92	4'-9"	3	292	0'-4 1/2"	4'-0"	0'-4 1/2"												
	4EAE11	9	5'-0"	4	30		0'-6"	4'-0"	0'-6"											
COL 2	8EAE38	56	22'-0"	5	3289	1'-9"	20'-3"													
	4EAE9	23	16'-9"	2	257	0'-4 1/2"	4'-0"	4'-0"	4'-0"	4'-0"	4'-1/2"									
	4EAE10	92	4'-9"	3	292	0'-4 1/2"	4'-0"	0'-4 1/2"												
	4EAE11	9	5'-0"	4	30		0'-6"	4'-0"	0'-6"											
RETAINER WALL	5EAE25	13	13'-8"	5	185	3'-0"	10'-8"													
	5EAE26	13	15'-8"	5	212	4'-0"	11'-8"													
	5EAE27	13	42'-0"	1	569														42'-0"	
	5EAE28	13	42'-0"	1	569														42'-0"	
	5EAE29	13	12'-8"	5	172	3'-0"	9'-8"													
	5EAE30	13	14'-8"	5	199	4'-0"	10'-8"													
	5EAE39	56	10'-5 3/4"	1	612														10'-5 3/4"	
5EAE40	60	10'-5 3/4"	1	656														10'-5 3/4"		
TOTAL EPOXY BARS						21,384 LBS. ITEM 556.0202														
TOTAL BLACK BARS						1,539 LBS. ITEM 556.0201														
DS1	11DS6	44	42'-6"	1	9,935															42'-6"
	6DS2	1	188'-6"	6	284				5'-0"					3'-0"					0'-3"	
	6DS7	1	1241'-6"	6	1,865				5'-0"					39'-6"					0'-6"	
DS2	11DS8	44	23'-6"	1	5,494															23'-6"
	6DS2	1	188'-6"	6	284				5'-0"					3'-0"					0'-3"	
	6DS9	1	644'-4"	6	968				5'-0"					20'-6"					0'-6"	

EASTBOUND - TOTAL

TOTAL EPOXY BARS	—	41,867 LBS. ITEM 556.0202, PER BRIDGE.
TOTAL BLACK BARS	—	2,375 LBS. ITEM 556.0201, PER BRIDGE.



NOTES:

- FOR ABUTMENT DETAILS, SEE DWG. NOS. ST1-17 TO ST1-19.
- FOR DRILLED SHAFT DETAILS, SEE DWG. NO. ST1-10.
- ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS.
- FOR BAR LEGEND, SEE DWG. NO. ST1-24.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

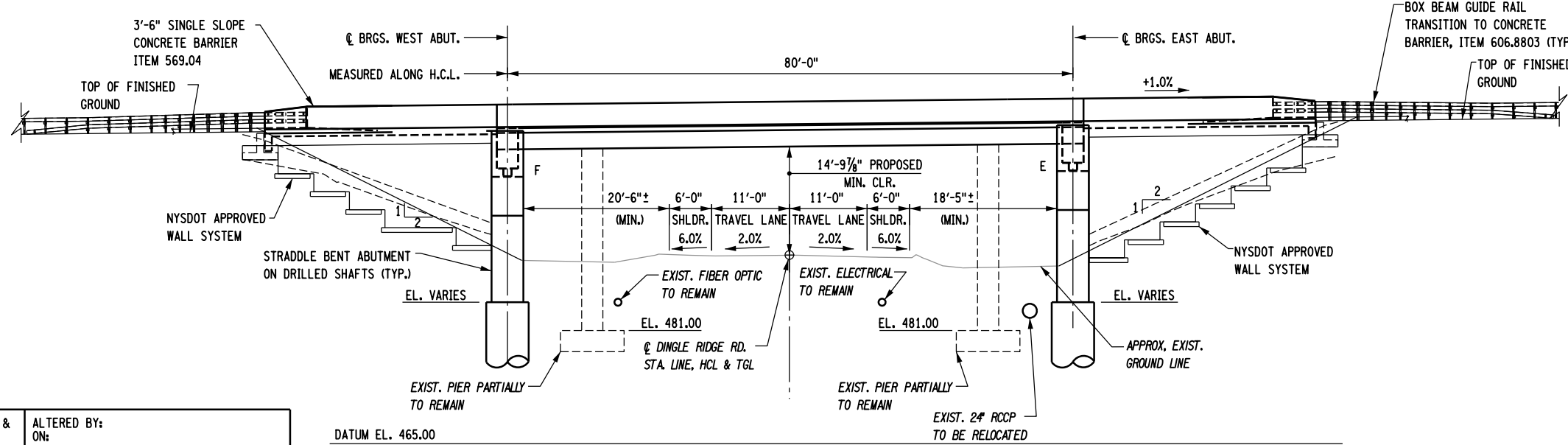
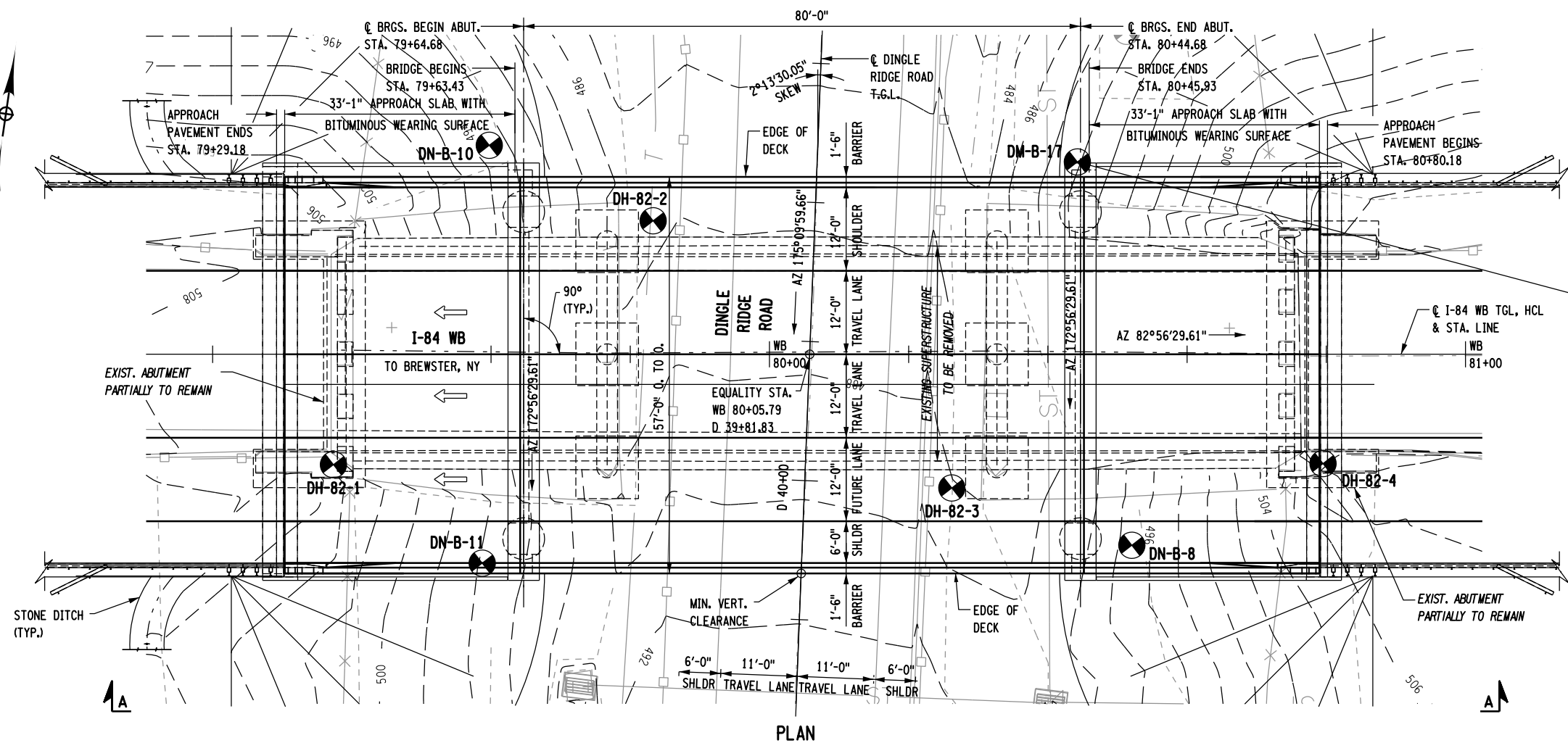
ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD F.J.S.H. 64-19, BREWSTER TO CT STATE LINE TOWN OF SOUTHEAST COUNTY: PUTNAM	PIN 8062.10 I 84	BRIDGES 1032621 1032622 BIN 1032621 BIN 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
I-84 EASTBOUND END ABUTMENT BAR LIST					DRAWING NO. ST1-25	SHEET NO. 133
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08 DOCUMENT NAME:



FILE NAME = 06nyw006dep10cadd045737 TRB@Phase 4 Dingle Ridge Road06210.cpb_ST2-01_gen_WB_gpe.dgn
 DATE/TIME = 27-AUG-2012 04:20
 USER = pello

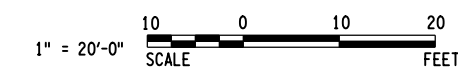
DESIGN SUPERVISOR B. SIVAKUMAR PROJECT MANAGER B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR CHECK S. LIN
 DRAFTING C. BROSDIO CHECK C. BROSDIO
 DESIGN S. LIN



NOTES:

- FOR GENERAL NOTES, SEE DWG. NOS. G-3 AND G-4.
- FOR TYPICAL CROSS SECTIONS, SEE DWG. NOS. ST2-2 AND ST2-3.
- THERE ARE NO EXISTING OR PROPOSED SIDEWALKS FOR DINGLE RIDGE ROAD.
- ABUTMENT WALL AND WINGWALL SYSTEMS SHALL BE FINISHED WITH AN AESTHETIC TREATMENT; SEE HIGHWAY MISCELLANEOUS DETAILS.
- ALL WORK ASSOCIATED WITH THE REMOVAL OF THE EXISTING SUPERSTRUCTURE SHALL BE INCLUDED UNDER ITEM 202.120002, REMOVING EXISTING SUPERSTRUCTURES.

LOAD RATING (LOAD FACTOR)		
INVENTORY	HS 23	42.0 TONS
OPERATING	HS 44	79.7 TONS
LOAD RATING (LRF)		
INVENTORY	HL 93	1.283 FACTOR
OPERATING	HL 93	1.875 FACTOR



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:
I-84 OVER DINGLE RIDGE ROAD
F.I.S.H. 64-19, BREWSTER TO CT STATE LINE
TOWN OF SOUTHEAST
COUNTY: PUTNAM

PIN 8062.10
I 84
BRIDGES 1032621 1032622
CULVERTS BIN 1032621

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
I-84 WESTBOUND GENERAL PLAN AND ELEVATION

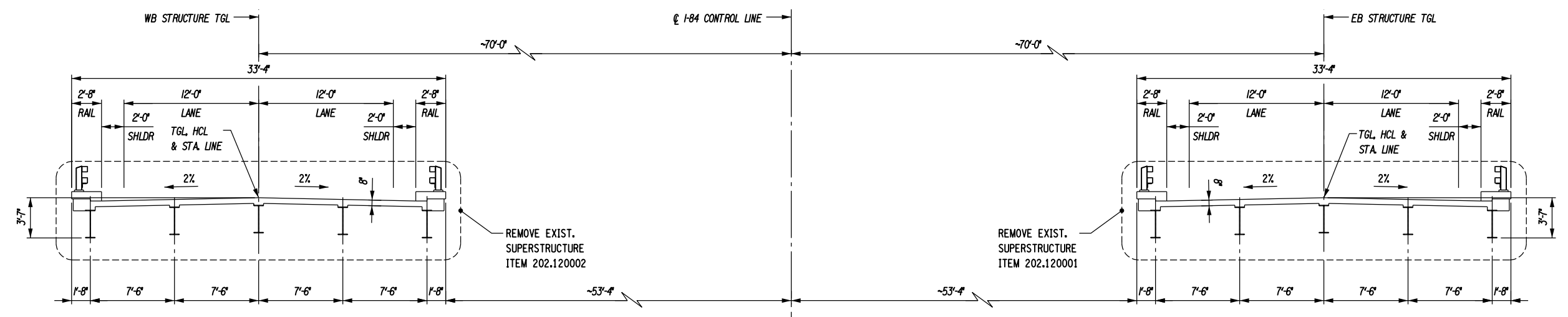
CONTRACT NUMBER	D262100
DRAWING NO.	ST2-1
SHEET NO.	134

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

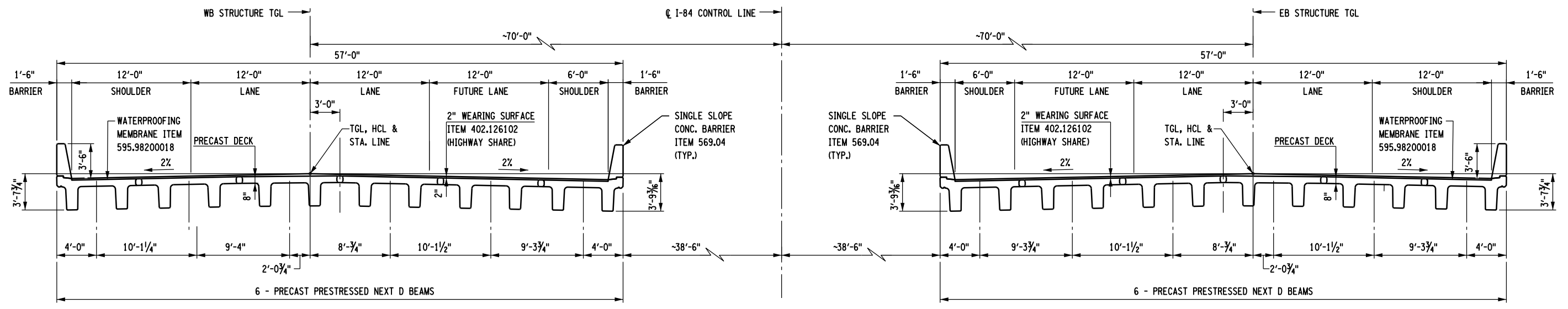
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

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 DATE/TIME = 06-AUG-2012 16:03
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN S. LIN
 CHECK C. BROSDIO
 DRAFTING C. BROSDIO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



EXISTING STRUCTURES SECTION



PROPOSED STRUCTURES SECTION

- NOTES:**
- FOR TYPICAL SECTIONS THROUGH APPROACH SLABS, SEE DWG. NO. ST2-3.
 - FOR WESTBOUND STRUCTURE GENERAL PLAN AND ELEVATION, SEE DWG. NO. ST2-1.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:

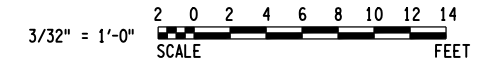


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
 F.J.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84
 BRIDGES 1032621 1032622
 BIN 1032621

CULVERTS
 ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 I-84 WESTBOUND
 TYPICAL BRIDGE SECTIONS



HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

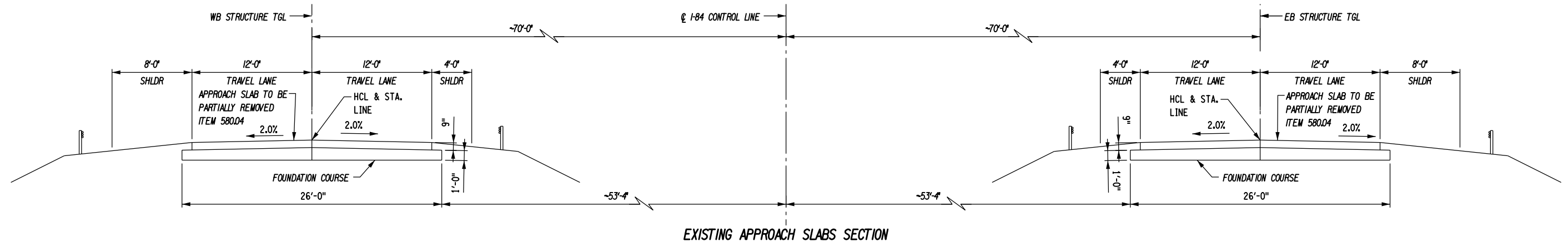
CONTRACT NUMBER: D262100
 DRAWING NO.: ST2-2
 SHEET NO.: 135

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

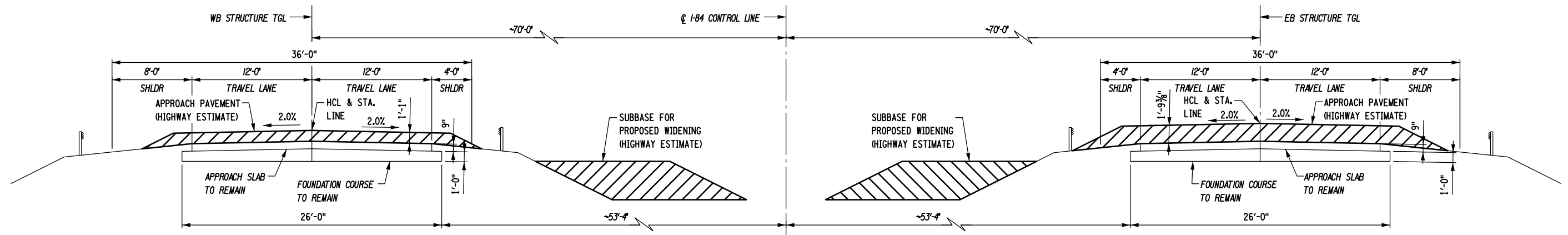
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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 USER = pello

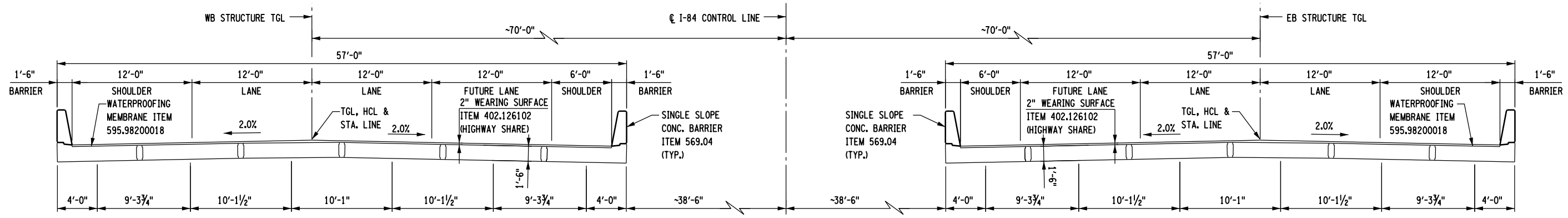
PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING C. BROSDIO
 CHECK C. BROSDIO
 DESIGN S. LIN
 JOB MANAGER B. SIVAKUMAR
 DESIGNER S. LIN
 DRAFTING C. BROSDIO
 CHECK C. BROSDIO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



EXISTING APPROACH SLABS SECTION



PROPOSED HIGHWAY SECTION AT EXISTING APPROACH SLAB AT END OF ABC CLOSURE PERIOD



PROPOSED APPROACH SLABS SECTION

NOTES:

- FOR TYPICAL SECTIONS THROUGH SUPERSTRUCTURE, SEE DWG. NO. ST2-2.
- FOR WESTBOUND STRUCTURE GENERAL PLAN AND ELEVATION, SEE DWG. NO. ST2-1.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10
F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84
TOWN OF SOUTHEAST	
COUNTY: PUTNAM	

BRIDGES	1032621	CULVERTS	
	1032622		
	BIN 1032621		

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 I-84 WESTBOUND
 TYPICAL APPROACH SLAB SECTIONS

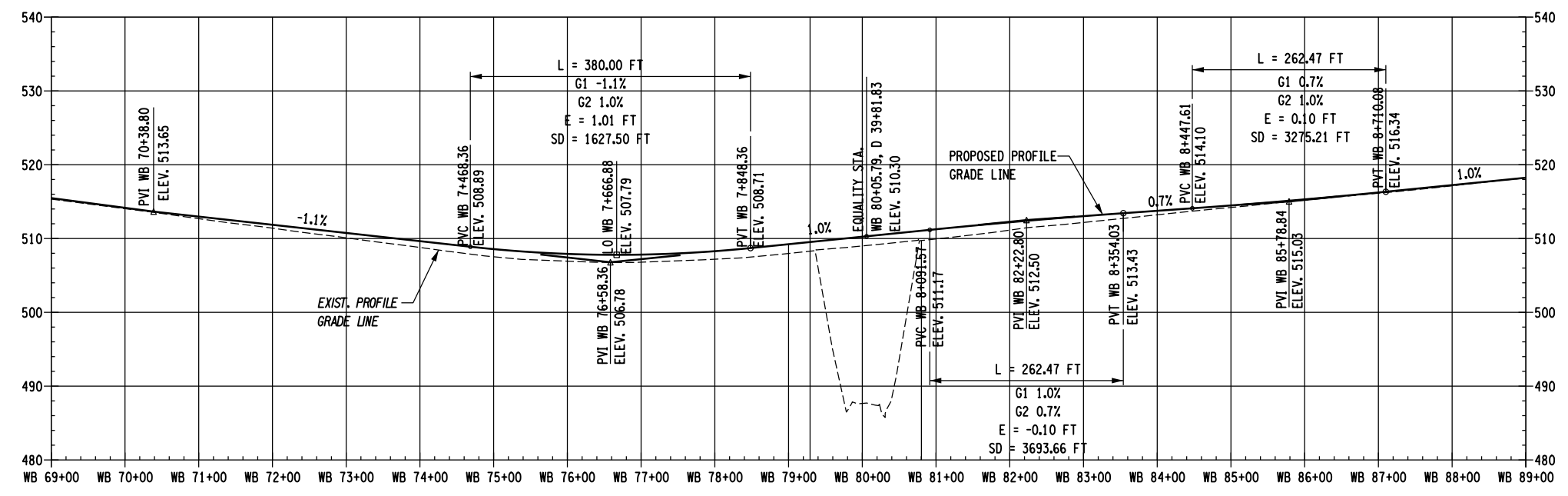
CONTRACT NUMBER	D262100
DRAWING NO.	ST2-3
SHEET NO.	136

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

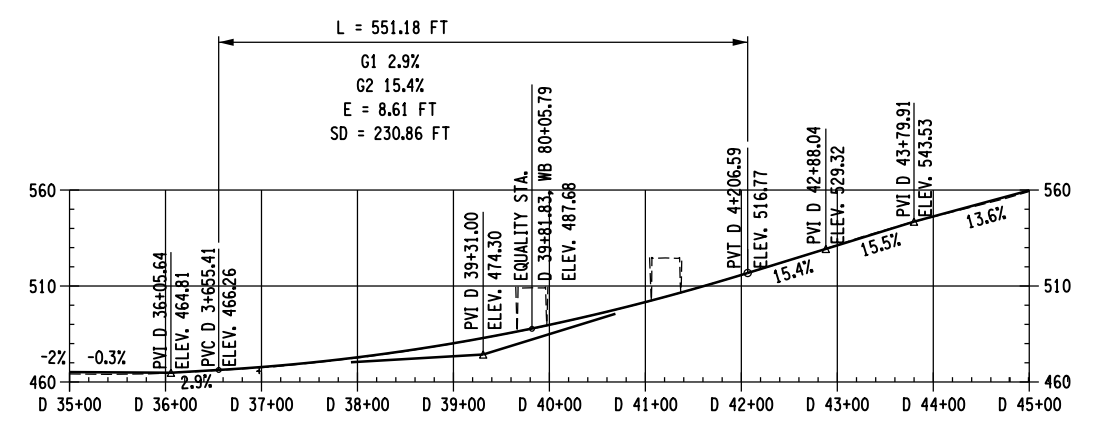
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

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 DATE/TIME = 06-AUG-2012 16:03
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN S. LIN DRAFTING C. BROSDIO CHECK C. BROSDIO CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR



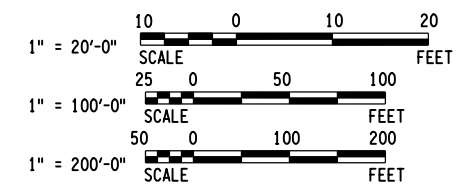
PROFILE GRADE LINE - I-84 WESTBOUND
 1" = 200'-0" (HORIZONTAL); 1" = 20'-0" (VERTICAL)



PROFILE GRADE LINE - DINGLE RIDGE ROAD
 1" = 200'-0" (HORIZONTAL); 1" = 100'-0" (VERTICAL)

NOTES:

1. FOR WESTBOUND STRUCTURE GENERAL PLAN AND ELEVATION, SEE DWG. NO. ST2-1.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	BIN 1032621		1-84 WESTBOUND PROFILE GRADE LINES	DRAWING NO. ST2-4
	TOWN OF SOUTHEAST					SHEET NO. 137
	COUNTY: PUTNAM					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep1focadd045737 TRB@Phase 4 Dingle Ridge Road06210.cpb_ST2-05_geo_gsp_WB_subsr.f_dr.f.dgn
 DATE/TIME = 06-AUG-2012 16:03
 USER = pella

PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING J. JUZWIN
 CHECK M. RIEGEL
 DESIGN J. JUZWIN
 JOB MANAGER B. SIVAKUMAR
 DESIGN SUPERVISOR B. SIVAKUMAR

GENERAL NOTES

1.) SOUND ENGINEERING JUDGMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HEREON. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR STATE DESIGN AND ESTIMATE PURPOSES ONLY. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE STATE. THIS IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT OF THE CONTRACTOR.

2.) GENERAL SOIL AND ROCK (WHERE ENCOUNTERED) STRATUM DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON AN ENGINEERING INTERPRETATION OF ALL AVAILABLE SUBSURFACE INFORMATION BY THE GEOTECHNICAL ENGINEERING BUREAU AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATIONS OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE SUBSURFACE EXPLORATION LOGS.

3.) THE OBSERVED WATER LEVELS AND/OR CONDITIONS INDICATED ON THE SUBSURFACE PROFILES ARE AS RECORDED AT THE TIME OF EXPLORATION. ACTUAL WATER LEVELS MAY DIFFER FROM THE OBSERVED WATER LEVEL BECAUSE OF LIMITATIONS IN THE NUMBER AND DURATION OF OBSERVATIONS AND WILL VARY WITH CHANGES IN CLIMATE AND RAINFALL.

4.) ALL STRUCTURE DETAILS AND FOOTING ELEVATIONS SHOWN HEREON ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN ON THE CONTRACT PLANS.

LEGEND

THE FOLLOWING TABLES SUMMARIZE THE DESCRIPTIVE INFORMATION USED ON THIS PROFILE.

DENSITY (NON-PLASTIC SOILS)	SPT-N VALUE: NO. OF BLOWS PER 1 FT. OF PENETRATION OF A 2 IN. O.D. (1 3/8" I.D.) SAMPLER USING A 140 LB. DROP HAMMER, 30 IN. FALL.
VERY LOOSE	0-4
LOOSE	5-10
MEDIUM COMPACT	11-24
COMPACT	25-50
VERY COMPACT	OVER 50
CONSISTENCY (PLASTIC SOILS)	
VERY SOFT	0-1
SOFT	2-4
MEDIUM STIFF	5-8
STIFF	9-15
VERY STIFF	16-30
HARD	OVER 30

BORING KEY

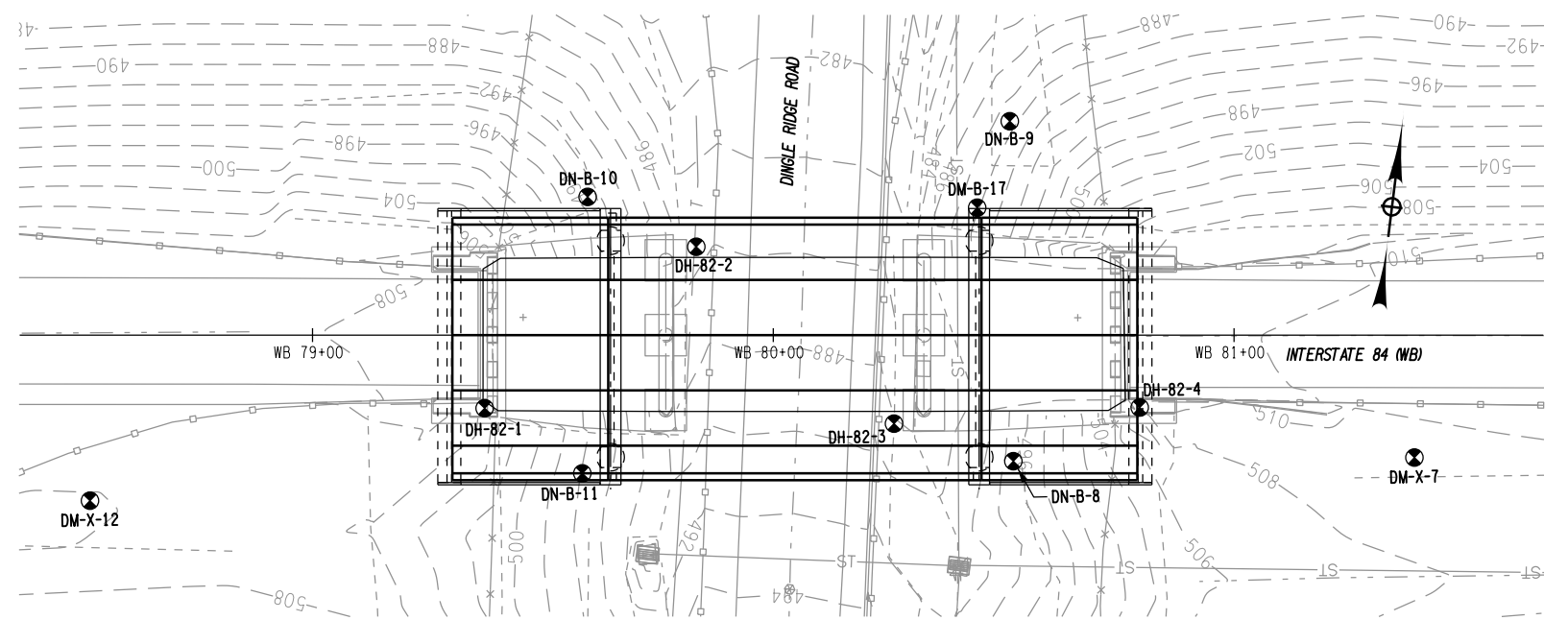
- DX-X-** BORING NAME/NUMBER
- SILTY SAND, GRAVELLY WITH MICA
- ESTIMATED GROUND WATER LEVEL DURING DRILLING
- ** UNCORRECTED SPT-N VALUE
- GRAVEL
- SANDY SILT, GRAVELLY
- COBBLES, BOULDERS
- DECOMPOSED/WEATHERED BEDROCK
- SOUND BEDROCK

LEGEND:

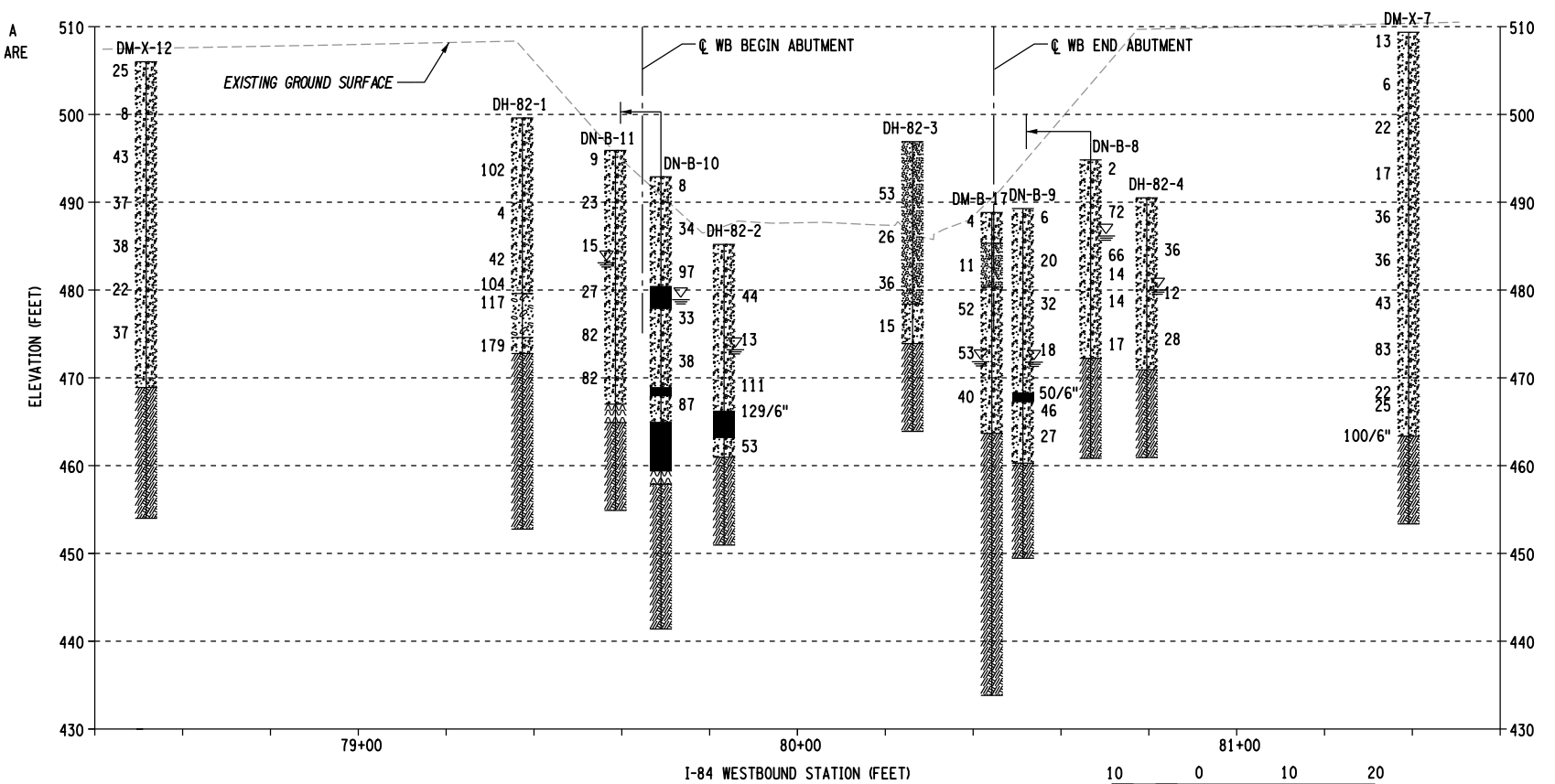
- GEOTECHNICAL BORING LOCATION
- BORING STICK OFFSET DUE TO OVERLAPPING LOCATION ON PROFILE

NOTES:

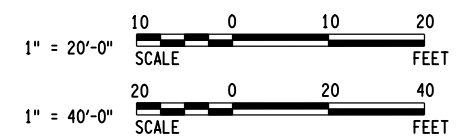
- ELEVATIONS ARE SHOWN IN REFERENCE TO THE NGVD 29 VERTICAL DATUM.
- BORINGS DH-82-1, DH-82-2, DH-82-3, DH-82-4, DH-82-5, DH-82-6, DH-82-7 AND DH-82-8 WERE CONDUCTED IN 1962 USING A 300 LB. HAMMER WITH AN 18" DROP. SPT-N VALUES WERE CONVERTED TO APPROXIMATE THE RESULTS OF A 140 LB. HAMMER WITH A 30" DROP.
- BORINGS DM-X-1, DN-B-2, DN-B-3, DN-B-4, DN-X-6, DM-X-7, DN-B-8, DN-B-9, DN-B-10, DN-B-11 AND DM-X-12 WERE CONDUCTED IN 1999 BY ASTC FOR NYSOT AND WERE SAMPLED USING A 140 LB. SAFETY HAMMER FALLING 30".
- BORINGS DM-B-13, DM-B-14, DN-X-15, DN-B-16, DM-B-17 AND DN-B-18 WERE CONDUCTED IN 2012 BY AQUIFER DRILLING/TESTING FOR NYSOT AND WERE SAMPLED USING A 140 LB. AUTOMATIC HAMMER FALLING 30". SPT-N VALUES ARE NOT CORRECTED FOR HAMMER EFFICIENCY.



BORING LOCATION PLAN
1" = 40'-0"



GENERAL SUBSURFACE PROFILE
1" = 40'-0" HORIZONTAL 1" = 20'-0" VERTICAL



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



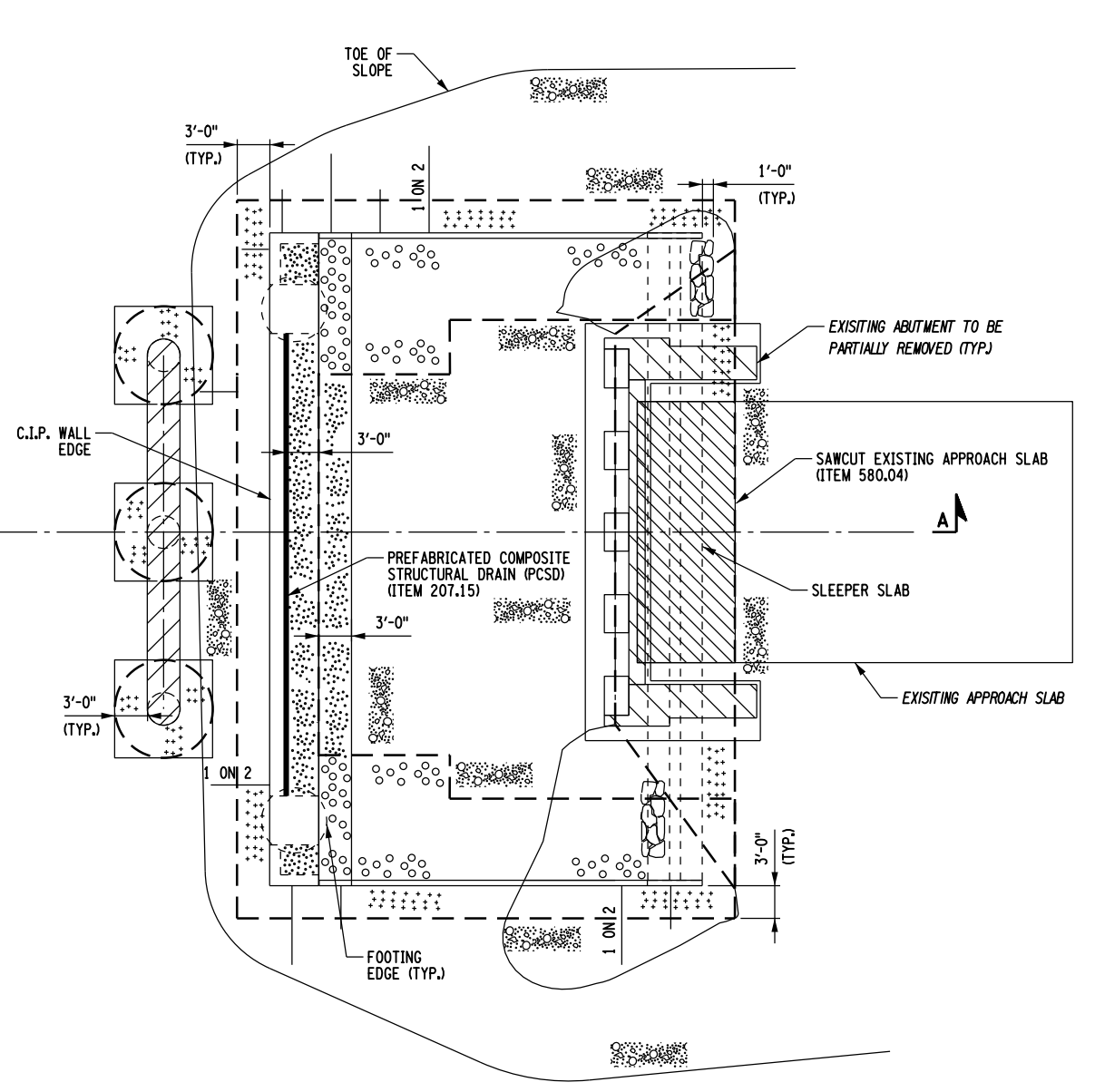
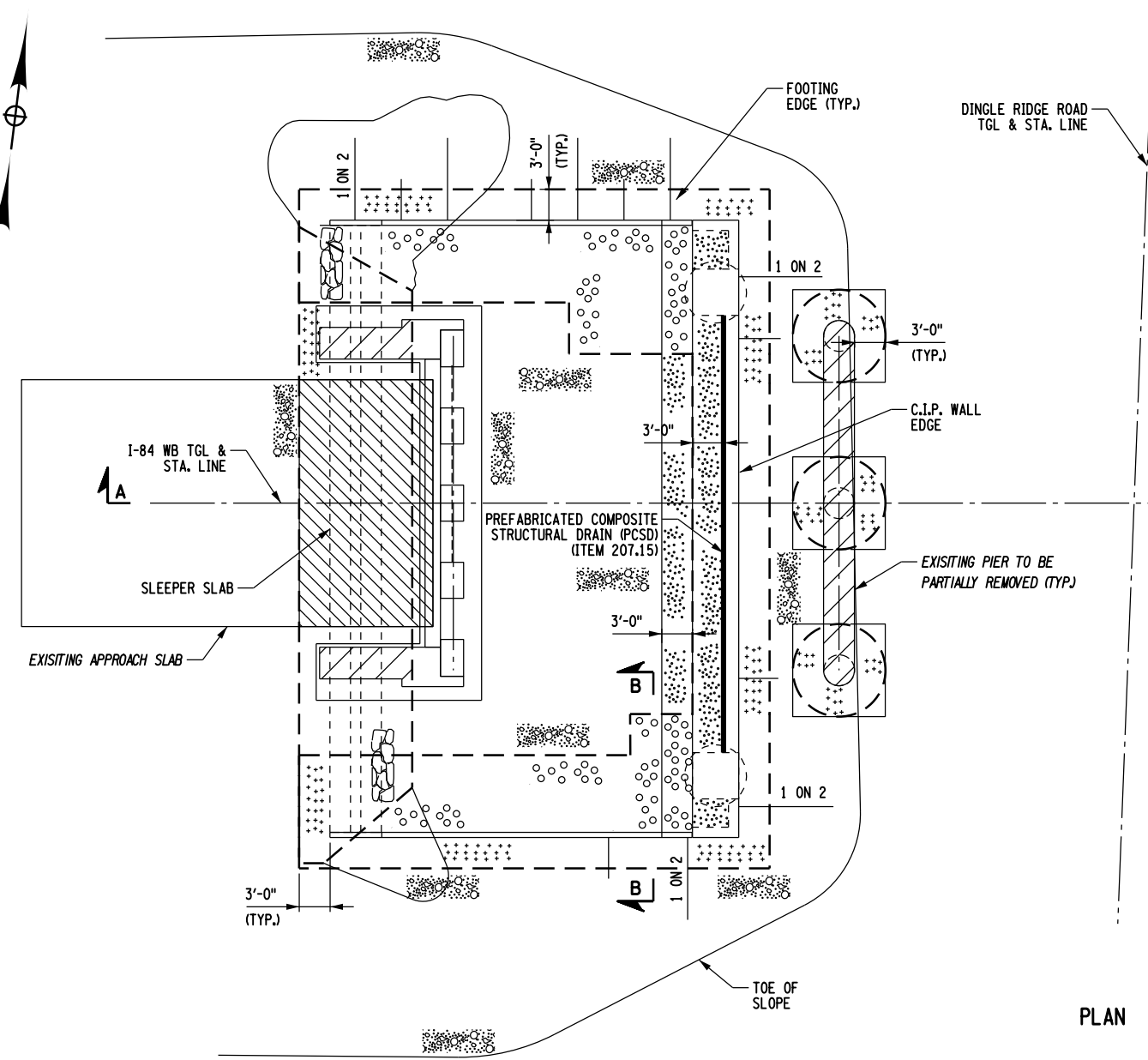
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 WESTBOUND BORING LOCATION PLAN AND GENERAL SUBSURFACE PROFILE	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST2-5
	COUNTY: PUTNAM					SHEET NO. 138

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NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep1focadd045737 TRB@Phase 4 Dingle Ridge Road0606210_cpb_ST2-06_er_w_WB_exc_emb.dgn
 DATE/TIME = 06-AUG-2012 16:03
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN F. PADILLA
 CHECK C. BROSTO
 DRAFTING F. PADILLA
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



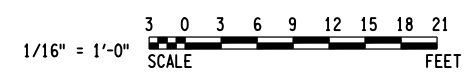
PLAN

LEGEND:

- EXISTING GROUND SURFACE
- SELECT STRUCTURE FILL (ITEM 203.21), COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY
- HIGHWAY EMBANKMENT MATERIAL
- BACKFILL WITH SUITABLE EXCAVATED MATERIAL AS PROVIDED FOR UNDER STRUCTURE EXCAVATION (ITEM 206.01)
- REMOVAL OF SUBSTRUCTURES (ITEM 202.19)
- CONTROLLED LOW STRENGTH MATERIAL (ITEM 204.01)
- SPECIAL BACKFILL FOR FILL-TYPE WALLS (INCLUDED IN FILL-TYPE WALL ITEM 554.42 OR 554.43, AS APPLICABLE)
- PREFABRICATED COMPOSITE STRUCTURAL DRAIN (ITEM 207.26)
- AREA ENCLOSED WITHIN THESE LINES DESIGNATES PAYMENT LINES FOR STRUCTURE EXCAVATION (ITEM 206.01)
- REMOVAL OF EXISTING APPROACH SLAB (ITEM 580.04)
- CRUSHED STONE (SIZES 1 AND 2, 50% MIX EACH) (IN-PLACE MEASURE) (ITEM 623.12000008)

NOTES:

1. FOR SECTIONS A-A AND B-B, SEE DWG. NO. ST2-7.
2. FOR FOUNDATION NOTES, SEE DWG. NO. G-3.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12	ALTERED BY: ON:

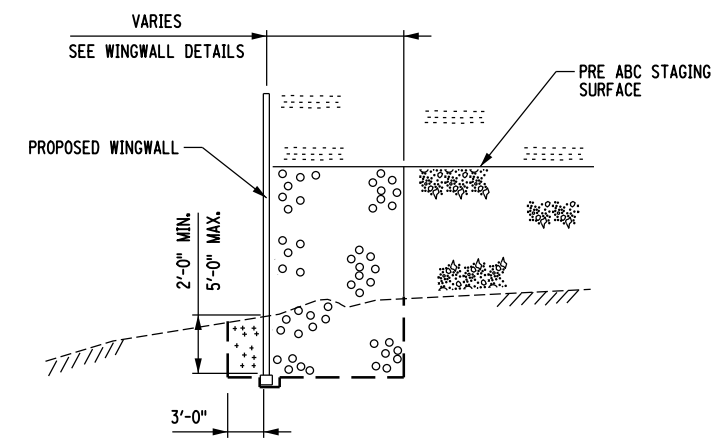
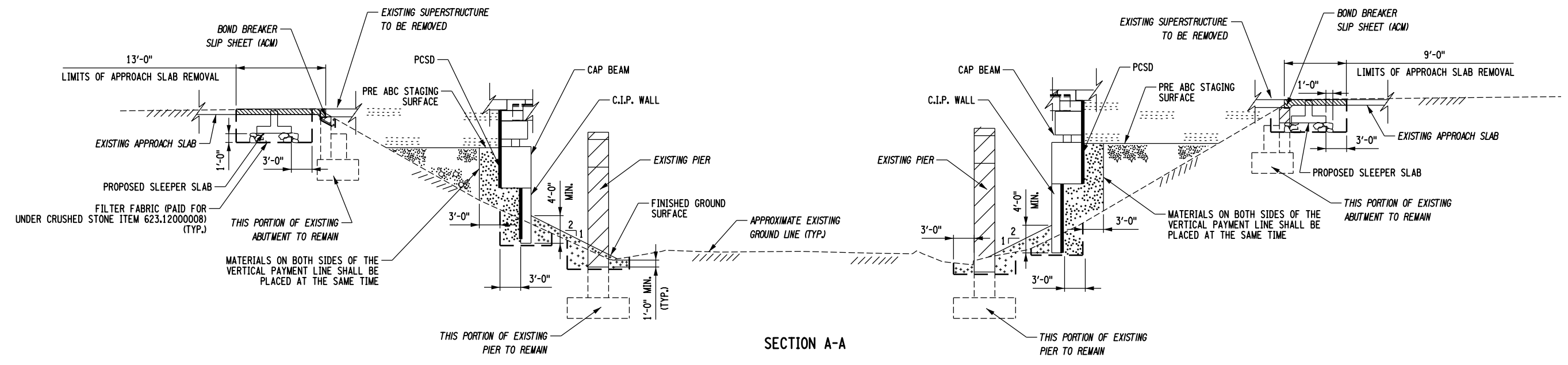
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 WESTBOUND EXCAVATION AND EMBANKMENT PLAN	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST2-6
	COUNTY: PUTNAM					SHEET NO. 139

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NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

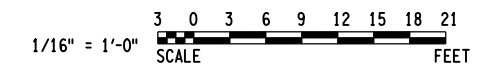
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 DATE/TIME = 27-AUG-2012 04:20
 USER = pella

DESIGN SUPERVISOR: B. SIVAKUMAR
 JOB MANAGER: B. SIVAKUMAR
 DESIGN: F. PADILLA
 CHECK: C. BRODIO
 DRAFTING: F. PADILLA
 CHECK: S. LIN
 PROJECT MANAGER: B. SIVAKUMAR



SECTION B-B

- NOTES:**
1. FOR LEGEND, SEE DWG. NO. ST2-6.
 2. FOR LOCATION OF SECTIONS A-A AND B-B, SEE DWG. NO. ST2-6.
 3. FOR RETAINING WINGWALL DETAILS, SEE DWG. NO. ST-26.
 4. FOR EXISTING ABUTMENT AND PIER REMOVAL DETAILS, SEE DWG. NO. ST2-9.
 5. FOR ASBESTOS REMOVAL, SEE DWG. NO. ST2-8.

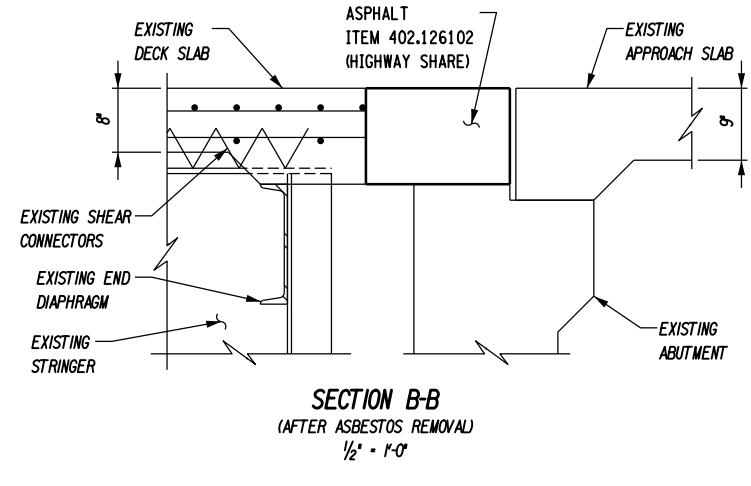
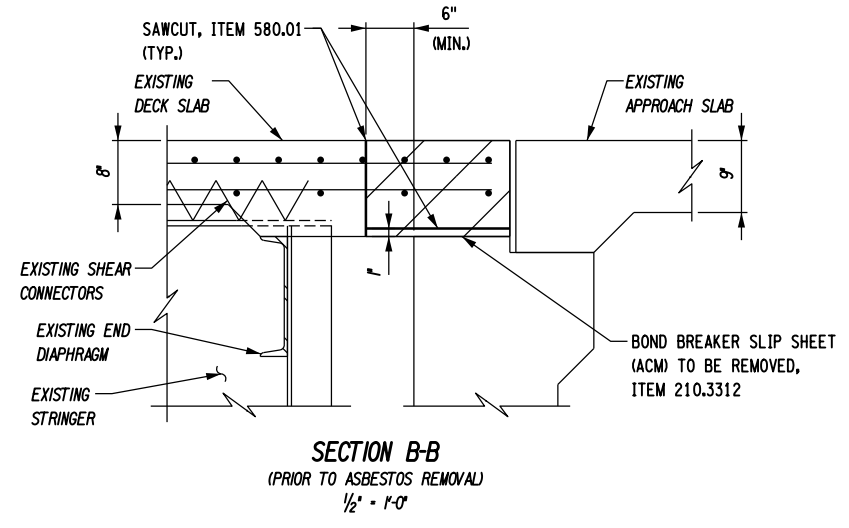
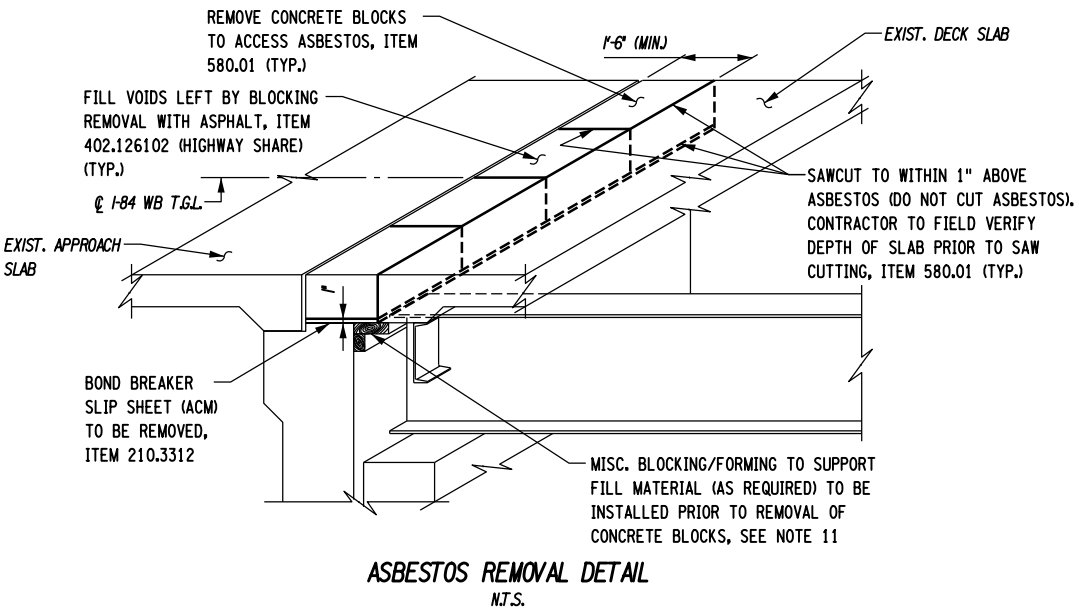
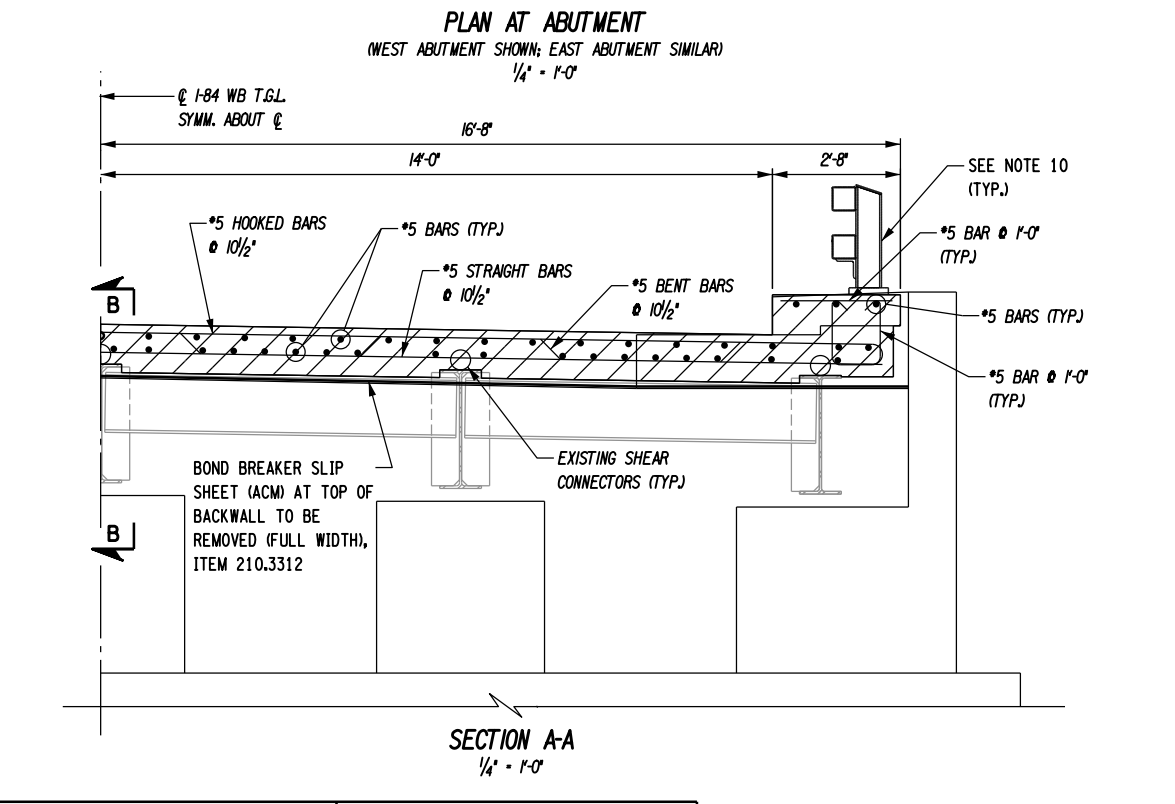
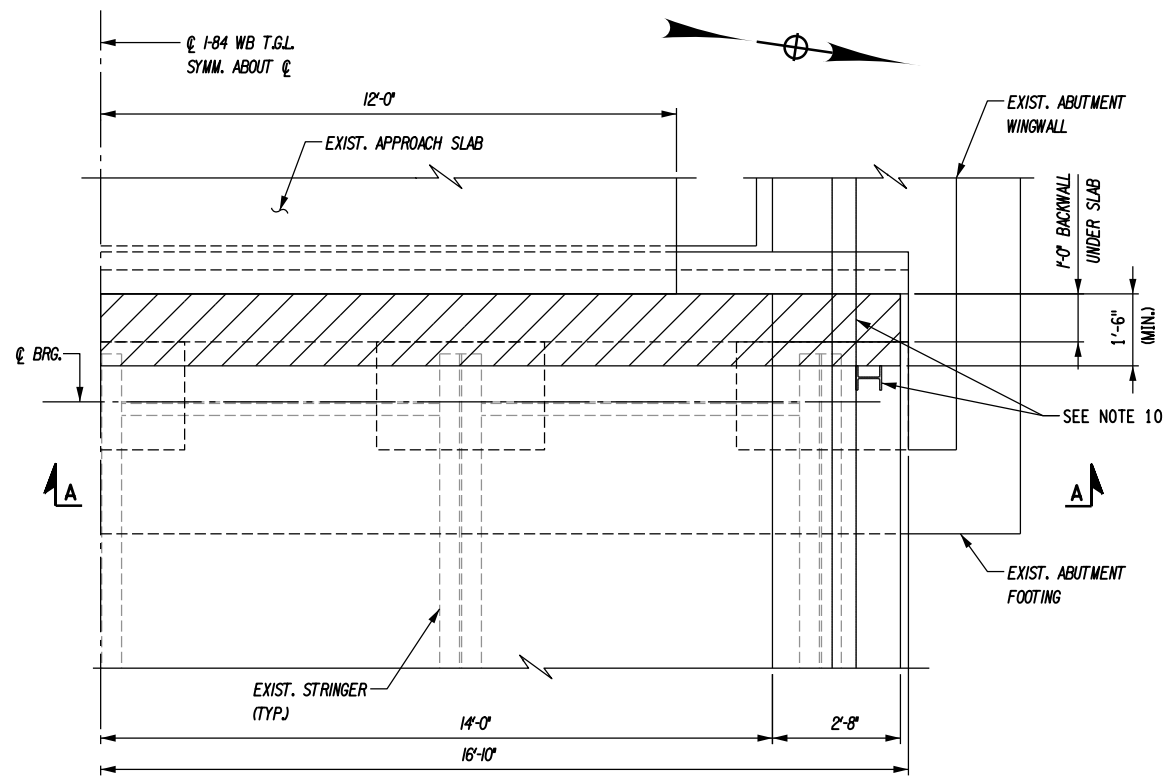


AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622			D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST2-7
	COUNTY: PUTNAM					SHEET NO. 140
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.					NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08 DOCUMENT NAME:	

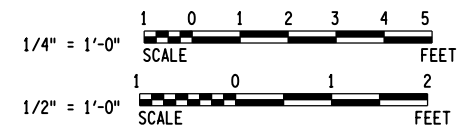
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 DATE/TIME = 06-AUG-2012 16:04
 USER = pella

PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING C. BROSDIO
 CHECK S. LIN
 DESIGN C. BROSDIO
 JOB MANAGER B. SIVAKUMAR
 DESIGN SUPERVISOR B. SIVAKUMAR



- NOTES:**
- ALL DIMENSIONS SHOWN IN THIS DRAWING ARE BASED ON THE AVAILABLE RECORD DRAWINGS AND SHALL BE VERIFIED BY THE CONTRACTOR.
 - THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON RECORD DRAWINGS. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
 - THE CONTRACTOR IS ALERTED THAT THE BOND BREAKER SLIP SHEET IS AN ASBESTOS-CONTAINING MATERIAL (ACM). FOR THE PURPOSES OF ESTIMATING, THE CONTRACTOR SHALL ASSUME A TOTAL QUANTITY OF 70 SF (35 SF PER ABUTMENT) FOR ITEM 210.3312. ALL WORK ASSOCIATED WITH THE REMOVAL AND DISPOSAL OF THE ABUTMENT BOND BREAKER SLIP SHEETS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATIONS AND THE "ASBESTOS REMOVAL SUPPLEMENTAL REQUIREMENTS" SPECIAL NOTE.
 - THE CONTRACTOR SHALL VERIFY THE LOCATION AND EXTENTS OF THE ACM AND ANY ASBESTOS DEBRIS AND/OR CONTAMINATED MATERIALS THAT MAY BE IN THE VICINITY OF THE ABUTMENTS.
 - ACM REMOVAL WORK SHALL BE PERFORMED 1 MONTH PRIOR TO ABC CLOSURE PERIOD TO ENSURE ADEQUATE TIME FOR COMPLETION IF PROBLEMS ARE ENCOUNTERED. ASBESTOS REMOVAL SHALL BE COMPLETED NO LESS THAN 1 TO 2 WEEKS PRIOR TO THE ABC CLOSURE.
 - NO DEMOLITION WORK SHALL COMMENCE ON THE STRUCTURE WITHIN THE ASBESTOS WORK ZONE UNTIL ALL NECESSARY ASBESTOS ABATEMENTS HAVE OCCURRED.
 - ASBESTOS REMOVAL SHALL BE PLANNED AROUND ONE LANE CLOSURE AT A GIVEN PERIOD OF TIME. ACTIVITIES STARTING FROM INITIAL CONCRETE BLOCK REMOVAL TO FINISHING WITH REPLACEMENT OF FILLER MATERIAL SHALL BE PLANNED FOR NO MORE THAN ONE 12-HOUR NIGHT CLOSURE PER LANE. WORK BOTH ABUTMENTS IN SAME CLOSED LANE CONCURRENTLY TO MINIMIZE TOTAL NUMBER OF LANE CLOSURES.
 - MOBILIZATION OF THE ABATEMENT CREWS DECONTAMINATION UNIT SHALL BE CONDUCTED THE DAY PRIOR TO THE ACTUAL ABATEMENT TO MAXIMIZE THE EFFICIENCY OF WORK TO BE COMPLETED DURING ONE LANE CLOSURE.
 - LOCATION FOR THE ABATEMENT CREWS DECONTAMINATION UNIT SHALL BE COORDINATED WITH CONTRACTOR'S OTHER SITE ACTIVITIES.
 - IF REQUIRED, REMOVE AND REPLACE BRIDGE RAIL TO PERFORM ASBESTOS REMOVAL. COST SHALL BE INCLUDED UNDER ITEM 210.3312.
 - CONTRACTOR SHALL SUBMIT BLOCKING/FORMING TO SUPPORT FILL MATERIAL TO ENGINEER FOR APPROVAL 30 DAYS PRIOR TO COMMENCING WORK. COST FOR FORMING/BLOCKING SHALL BE INCLUDED IN ITEM 402.198902.

LEGEND:
 INDICATES REMOVAL OF STRUCTURAL CONCRETE, ITEM 580.01



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



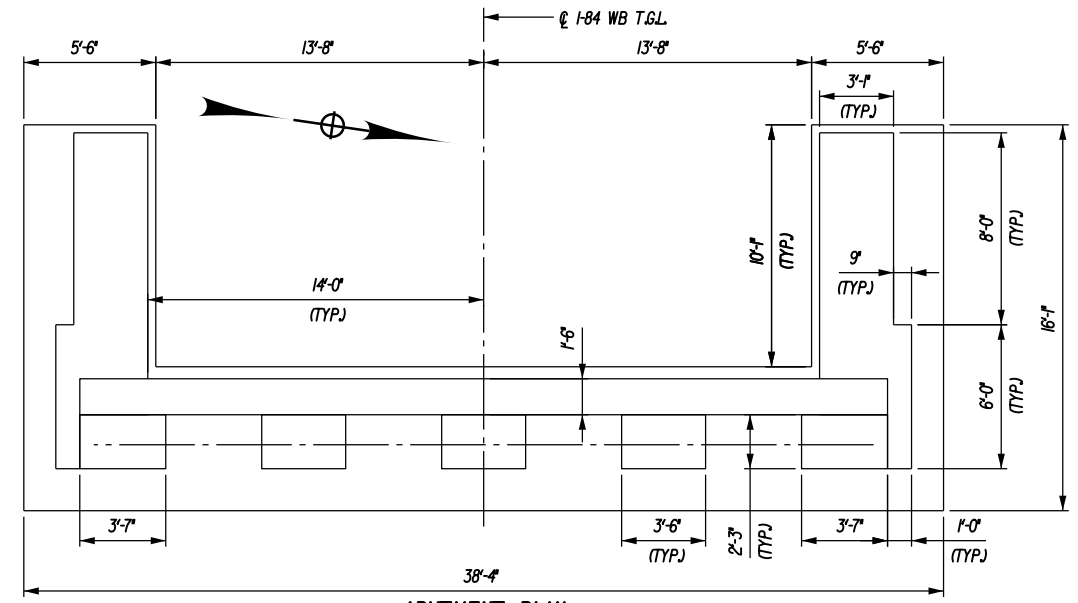
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622			D262100
	TOWN OF SOUTHEAST		BIN 1032622			DRAWING NO. ST2-8
	COUNTY: PUTNAM					SHEET NO. 141

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

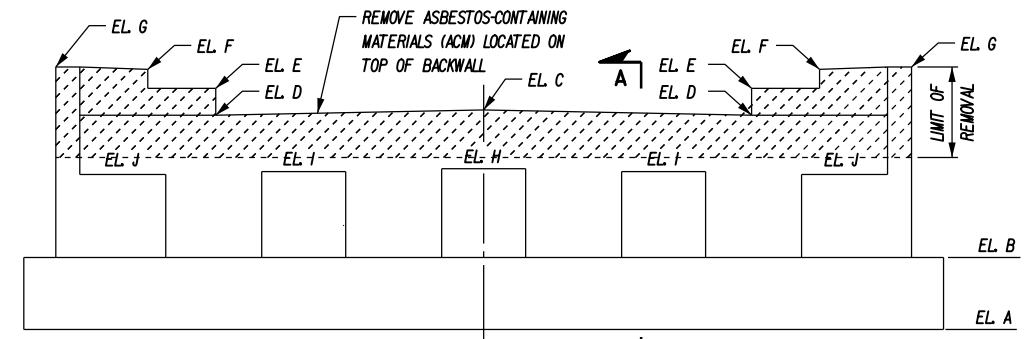
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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 USER = pello

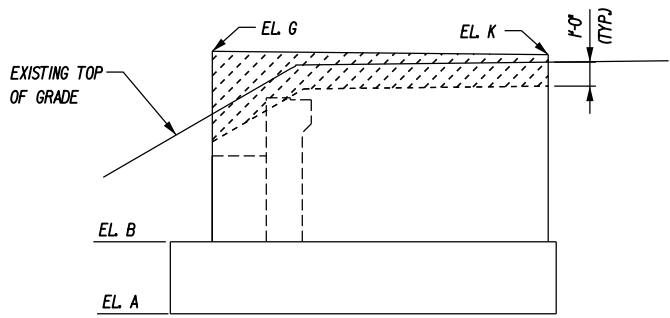
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN C. BROSTO
 CHECK S. LIN
 DRAFTING C. BROSTO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



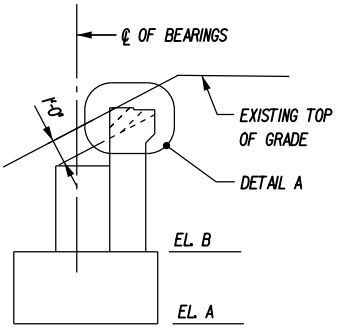
ABUTMENT PLAN
 (WEST ABUTMENT SHOWN; EAST ABUTMENT SIMILAR)
 1/8" = 1'-0"



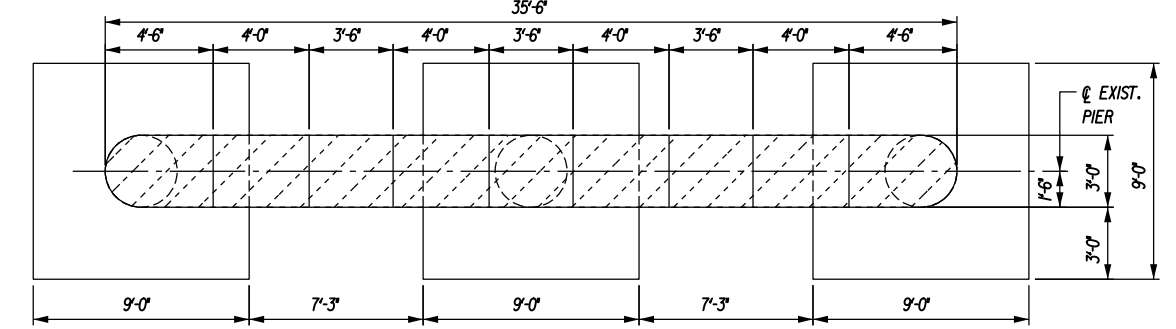
EAST ELEVATION
 (WEST ABUTMENT SHOWN; EAST ABUTMENT SIMILAR)
 1/8" = 1'-0"



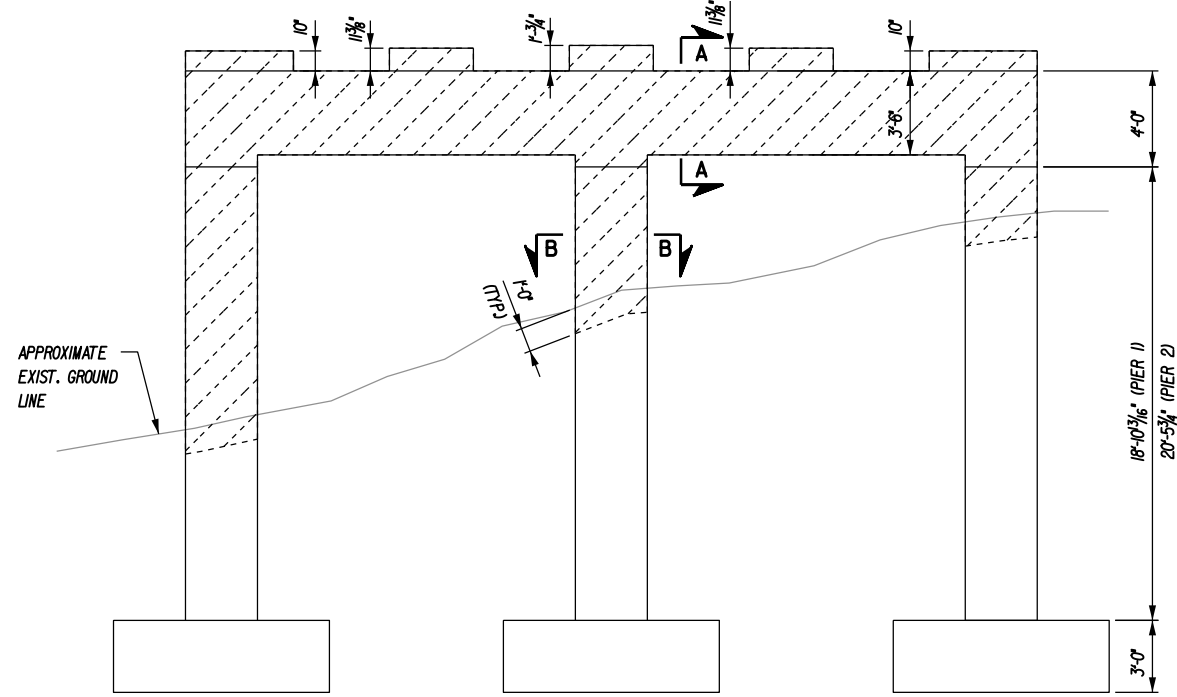
WINGWALL ELEVATION
 (WEST ABUTMENT SHOWN; EAST ABUTMENT SIMILAR)
 1/8" = 1'-0"



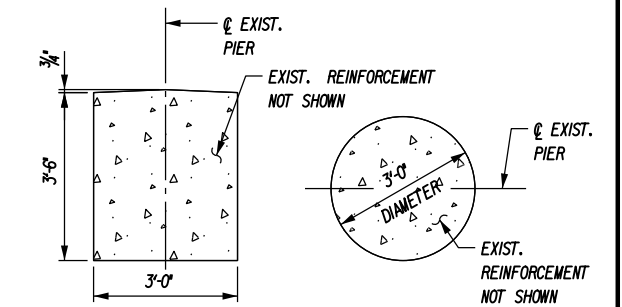
SECTION A-A
 1/8" = 1'-0"



EXISTING PIER PLAN
 1/8" = 1'-0"

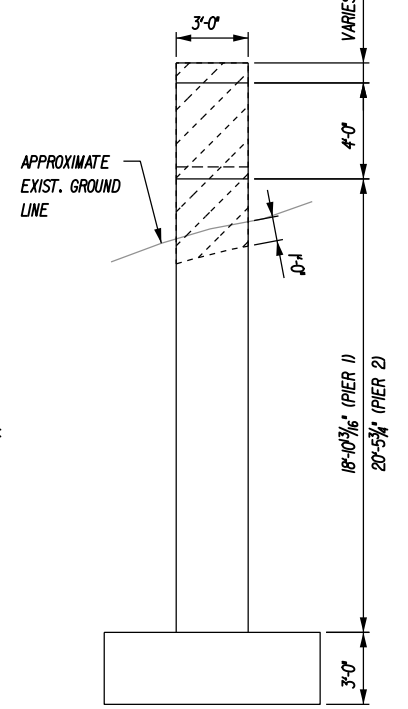


EXISTING PIER ELEVATION
 1/8" = 1'-0"



SECTION A-A
 1/2" = 1'-0"

SECTION B-B
 1/2" = 1'-0"



EXISTING PIER END ELEVATION
 1/8" = 1'-0"

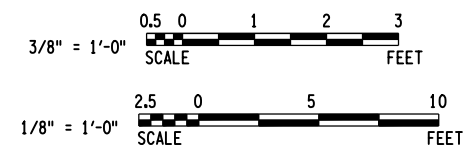
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	BEGIN ABUTMENT	END ABUTMENT
A	498.00	499.00
B	501.00	502.00
C	507.19	508.54
D	506.95	508.30
E	508.08	-----
F	508.86	510.26
G	508.96	510.29
H	504.72	505.93
I	504.60	505.81
J	504.48	505.71
K	508.82	510.43

NOTES:

- ALL DIMENSIONS AND ELEVATIONS SHOWN IN THIS DRAWING ARE BASED ON THE AVAILABLE RECORD DRAWINGS AND SHALL BE VERIFIED BY THE CONTRACTOR.
- THE CONTRACTOR IS ALERTED THAT THE BOND BREAKER SLIP SHEET IS AN ASBESTOS-CONTAINING MATERIAL (ACM). FOR ASBESTOS REMOVAL DETAILS AND NOTES, SEE DWG. NO. ST2-8.
- NO DEMOLITION WORK SHALL COMMENCE ON THE STRUCTURE WITHIN THE ASBESTOS WORK ZONE UNTIL ALL NECESSARY ASBESTOS ABATEMENTS HAVE OCCURRED.
- ALL WORK ASSOCIATED WITH ABUTMENT AND PIER REMOVAL SHALL BE PAID FOR UNDER ITEM 202.19, REMOVAL OF SUBSTRUCTURES.
- FOR EARTHWORK DETAILS, SEE DWG. NOS. ST2-6 AND ST2-7.
- FOR APPROACH SLAB REMOVAL, SEE DWG. NO. ST2-7.

LEGEND:

INDICATES REMOVAL LIMIT, ITEM 202.19



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: _____
 ON: _____



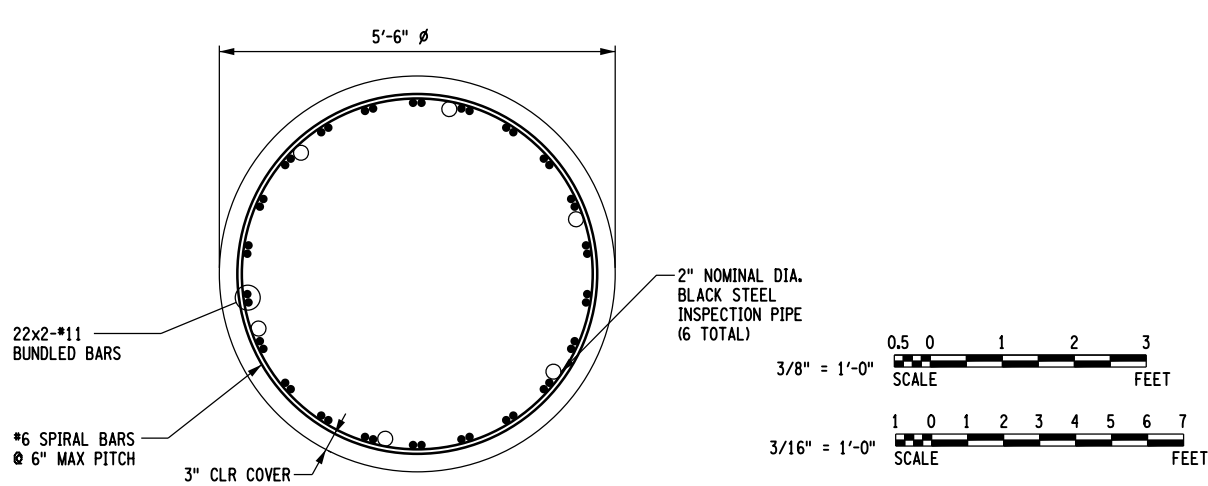
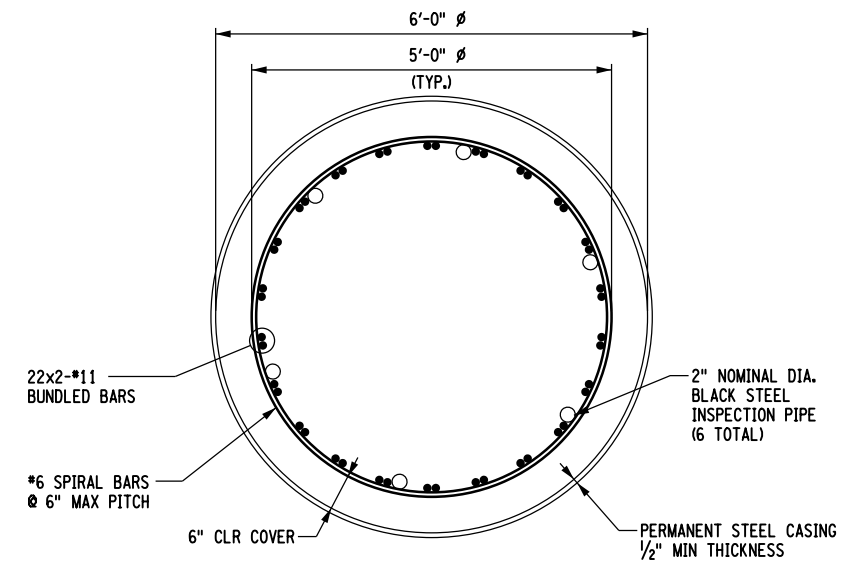
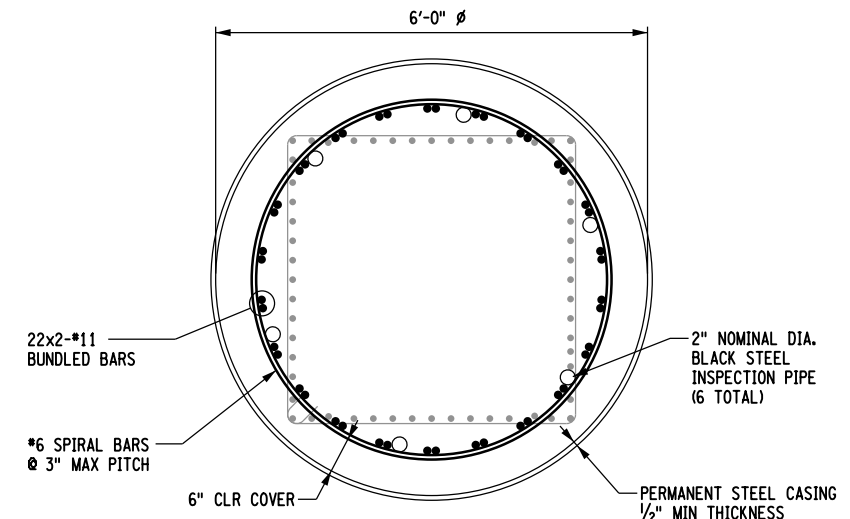
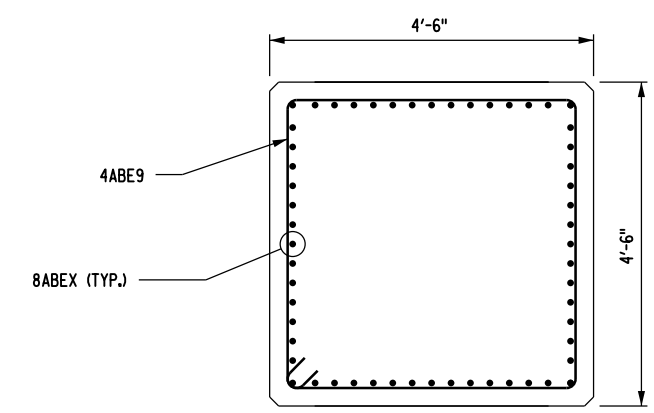
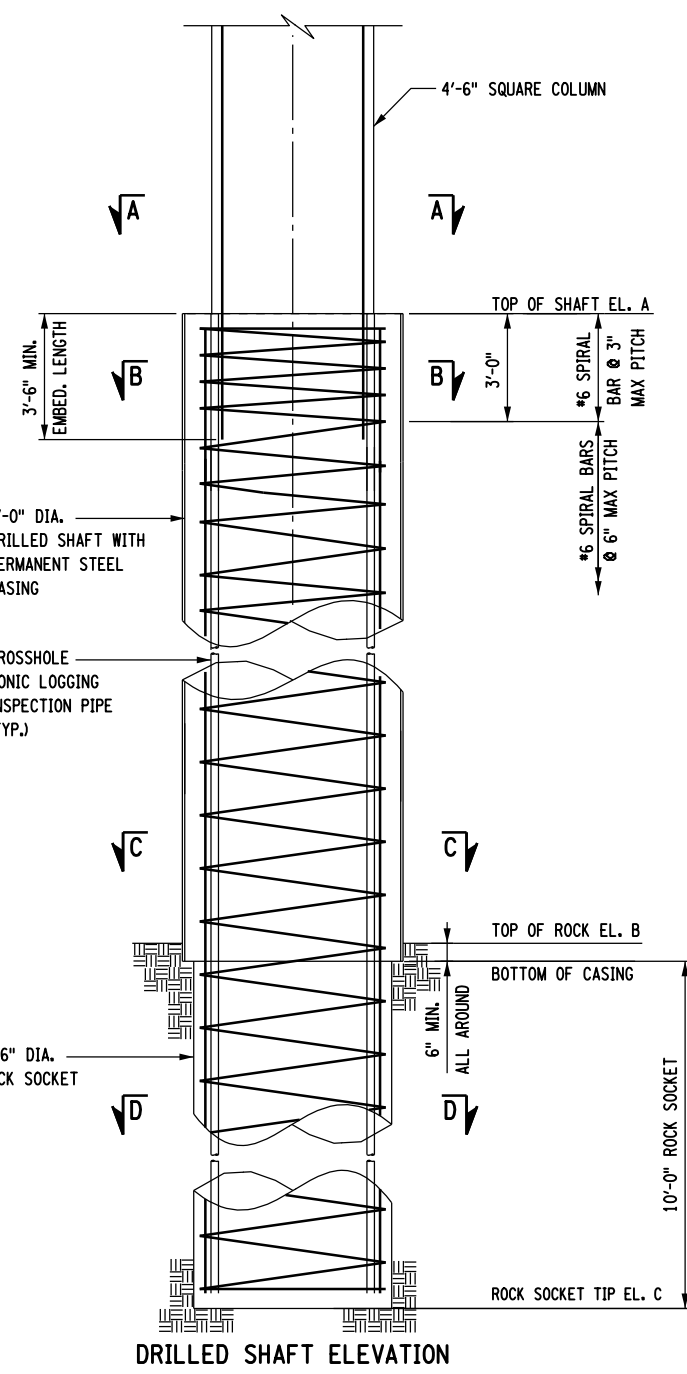
AS-BUILT REVISIONS	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
DESCRIPTION OF ALTERATIONS:	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 WESTBOUND SUBSTRUCTURE REMOVAL DETAILS	D262100
	TOWN OF SOUTHEAST		BIN 1032622			DRAWING NO. ST2-9
	COUNTY: PUTNAM					SHEET NO. 142

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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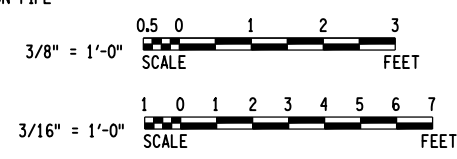
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 DATE/TIME = 27-AUG-2012 04:20
 USER = pello

PROJECT MANAGER **B. SIVAKUMAR**
 CHECK **S. LIN**
 DRAFTING **J. JUZWIN**
 CHECK **M. RIEGEL**
 DESIGN **J. JUZWIN / S. LIN**
 JOB MANAGER **B. SIVAKUMAR**
 DESIGN SUPERVISOR **B. SIVAKUMAR**



DRILLED SHAFT TABLE							
6'-0" DIA. DRILLED SHAFT NO.	REQUIRED GEOTECHNICAL NOMINAL RESISTANCE		TOP OF DRILLED SHAFT EL. A	APPROX. GROUND SURFACE EL.	APPROX. TOP OF SOUND ROCK EL. B	APPROX. ROCK SOCKET TIP EL. C	ACTUAL DRILLED SHAFT LENGTH (FT)
	COMPRESSION (KIPS)	TENSION (KIPS)					
BEGIN ABUTMENT 1	1860	0	488.88	491.91	457.90	447.40	
2	1860	0	491.88	494.25	464.90	454.40	
END ABUTMENT 1	1890	0	488.48	491.35	472.20	461.70	
2	1890	0	489.48	490.80	463.70	453.20	

- NOTES:**
- FOR FOUNDATION LAYOUT PLANS SEE DWG. NO. G-7.
 - ALL DRILLED SHAFT STEEL CASING SHALL MEET THE REQUIREMENTS OF ASTM A252 GRADE 2.
 - A TRIAL SHAFT WILL NOT BE REQUIRED.
 - PERMANENT STEEL CASING, UNCOATED BAR REINFORCEMENT, AND CONCRETE IN DRILLED SHAFTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR DRILLED SHAFTS, ITEM 551.99495508.
 - INSPECTION (ACCESS) PIPE AND GROUTING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CROSSHOLE SONIC LOGGING (CSL) OF DRILLED SHAFTS, ITEM 551.96000017.
 - ESTIMATED TOP OF ROCK IS PROVIDED IN THE DRILLED SHAFT TABLE ABOVE.
 - AN ENGINEERING GEOLOGIST FROM THE NYSDOT GEOTECHNICAL ENGINEERING BUREAU WILL BE PRESENT ON SITE TO ASCERTAIN THE TOP OF SOUND ROCK DURING DRILLING.
 - ALL SHAFTS WILL BE TESTED TO VERIFY CONCRETE INTEGRITY IN ACCORDANCE WITH ITEM 551.96000017, CROSSHOLE SONIC LOGGING (CSL) OF DRILLED SHAFTS. DETAIL 6 - 2" NOMINAL DIAMETER SCHEDULE 40 STEEL PIPES FOR CSL TESTING, ATTACHED TO THE INSIDE OF THE REINFORCEMENT CAGE WITH THE BOTTOM OF THE PIPES LOCATED A MAXIMUM OF 4" ABOVE THE BOTTOM OF THE CAGE. SHOW ACCESS PIPES AT 60° INTERVALS, OR AS CLOSE TO 60° AS POSSIBLE.
 - CONDUCT CROSSHOLE SONIC LOGGING (CSL) OF DRILLED SHAFTS ON ALL DRILLED SHAFTS.
 - CONDUCT CSL TESTING WITHIN 3 TO 45 DAYS AFTER CONCRETING EACH SHAFT.
 - AFTER COMPLETION OF THE DRILLED SHAFT INSTALLATION, THE ENGINEER WILL COMPLETE THE "ACTUAL DRILLED SHAFT LENGTH" TABLE FOR INCLUSION IN THE AS BUILT PLANS.
 - ALL ROCK SOCKETS SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT OF THE REINFORCING CAGE.
 - EQUIPMENT REQUIRED TO INSTALL THE SHAFTS SHALL BE MOBILIZED UNDER ITEM 551.60000017, FURNISHING EQUIPMENT FOR INSTALLING DRILLED SHAFTS.
 - FINAL BAR LENGTHS TO BE COORDINATED WITH ACTUAL TOP OF SOUND ROCK ELEVATION.
 - FOR DRILLED SHAFT BAR LISTS SEE DWG. NOS. ST2-24 AND ST2-25.
 - PERMANENT CASING SHALL BE ROTATED INTO POSITION AHEAD OF DRILLING. VIBRATING OR OSCILLATING OF CASING SHALL NOT BE PERMITTED.
 - ROCK SOCKET LENGTH SHALL BE MEASURED FROM THE BOTTOM OF PERMANENT CASING. CASED PORTION OF DRILLED SHAFT IN ROCK SHALL NOT BE INCLUDED IN MEASUREMENT OF ROCK SOCKET.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
 F.I.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84
 BRIDGES 1032621
 1032622

CULVERTS
 ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 I-84 WESTBOUND DRILLED SHAFT DETAILS

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

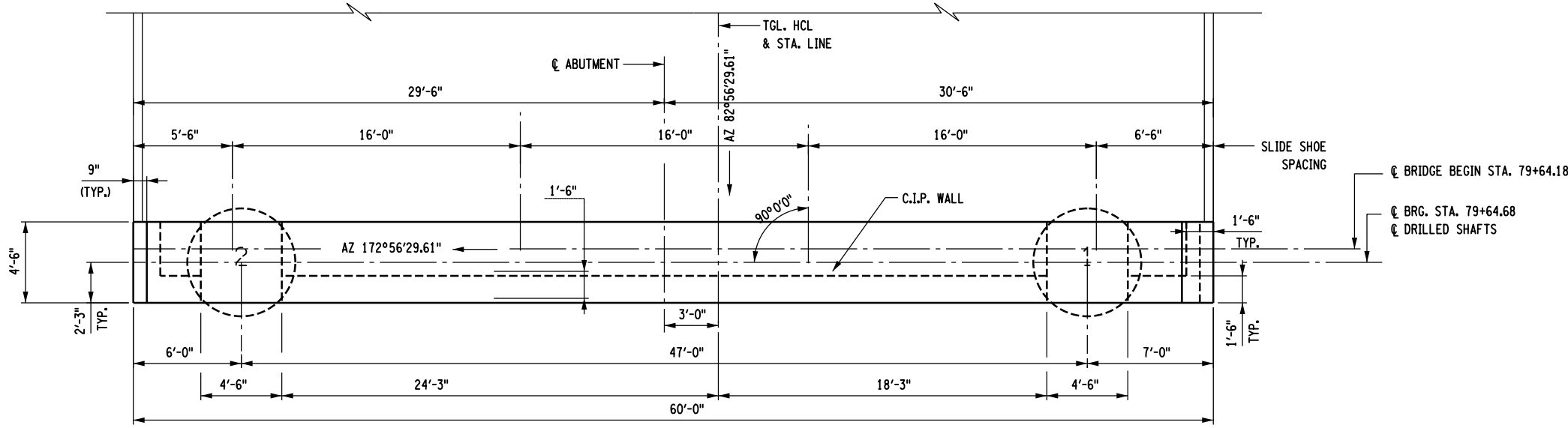
CONTRACT NUMBER: D262100
 DRAWING NO. ST2-10
 SHEET NO. 143

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

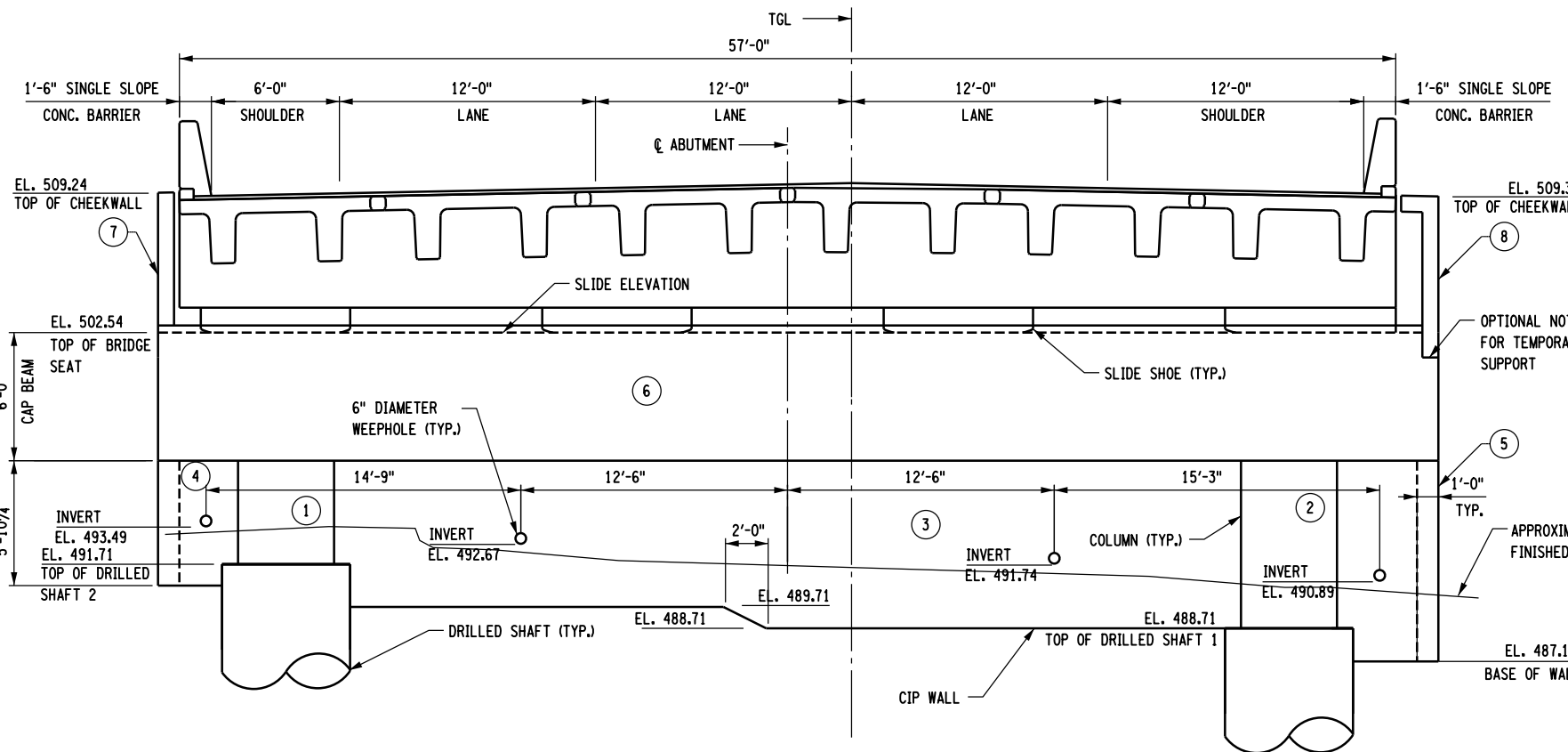
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road060210.opb_ST2-11_abt_pin_beg.WB_abut_layout.dgn
 DATE/TIME = 06-AUG-2012 16:04
 USER = pella

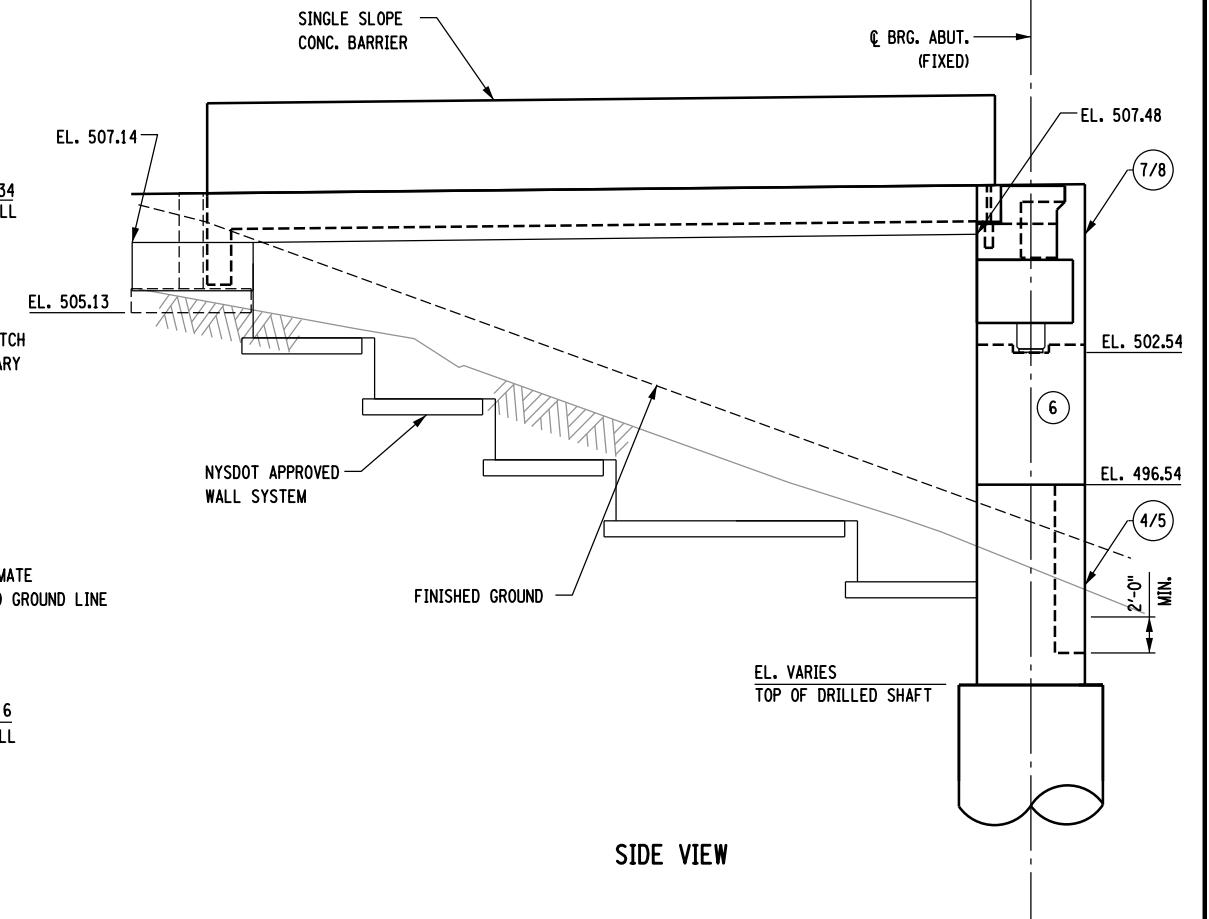
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN S. LIN
 CHECK C. BROSDIO
 DRAFTING C. BROSDIO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



PLAN



ELEVATION - LOOKING WEST



SIDE VIEW

CONCRETE TABLE		
PLACEMENT	QUANTITY [CY]	ITEM NO.
1	5.08	555.04400008
2	8.22	555.04400008
3	17.51	555.09
4	1.52	555.09
5	2.79	555.09
6	62.22	555.04400008
7	0.71	555.09
8	0.94	555.09

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		
	TOWN OF SOUTHEAST		BIN 1032621		
	COUNTY: PUTNAM				

CONTRACT NUMBER	D262100
DRAWING NO.	ST2-11
SHEET NO.	144

LEGEND:
 (NO.) INDICATES PLACEMENT NUMBER
 N INDICATES DRILLED SHAFT NUMBER



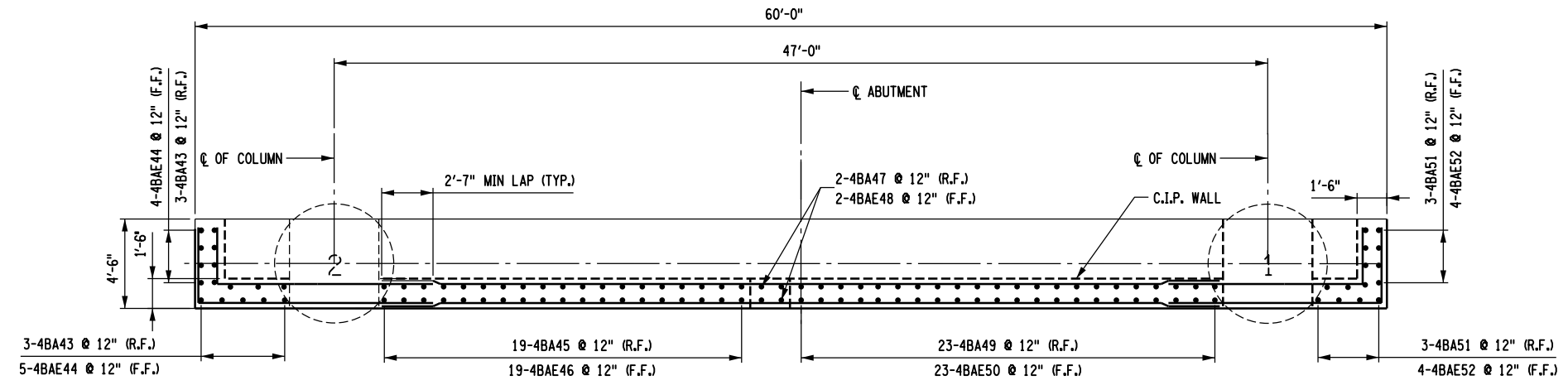
HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

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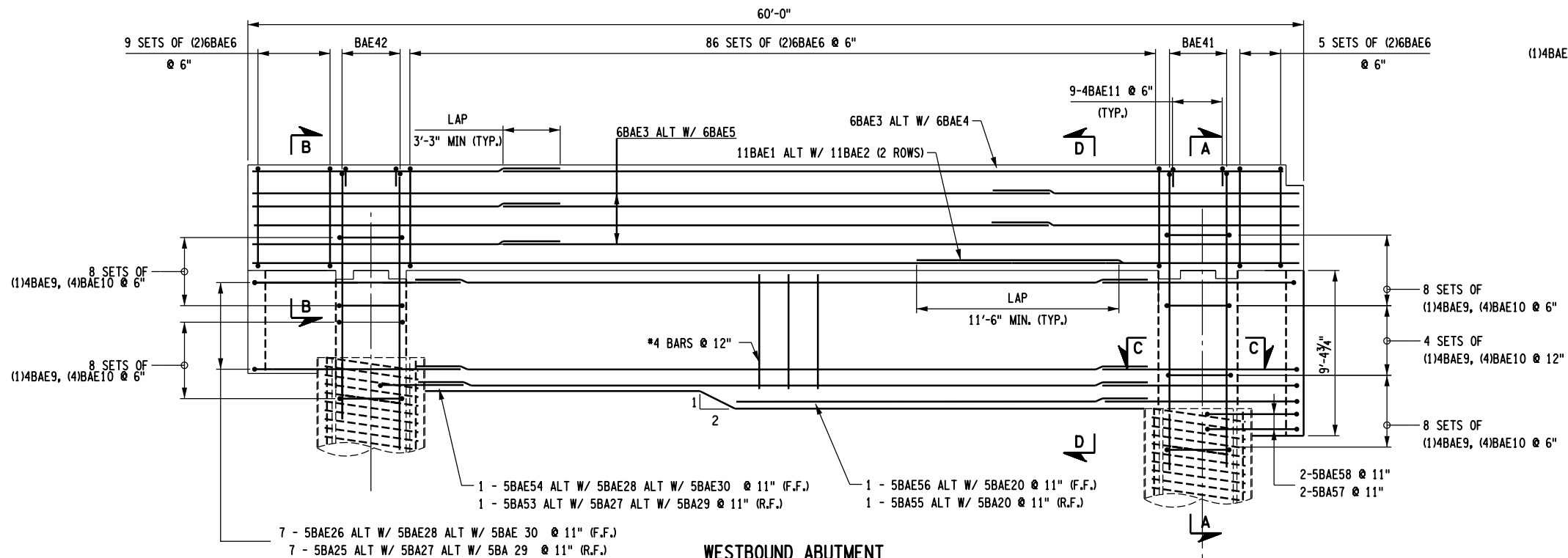
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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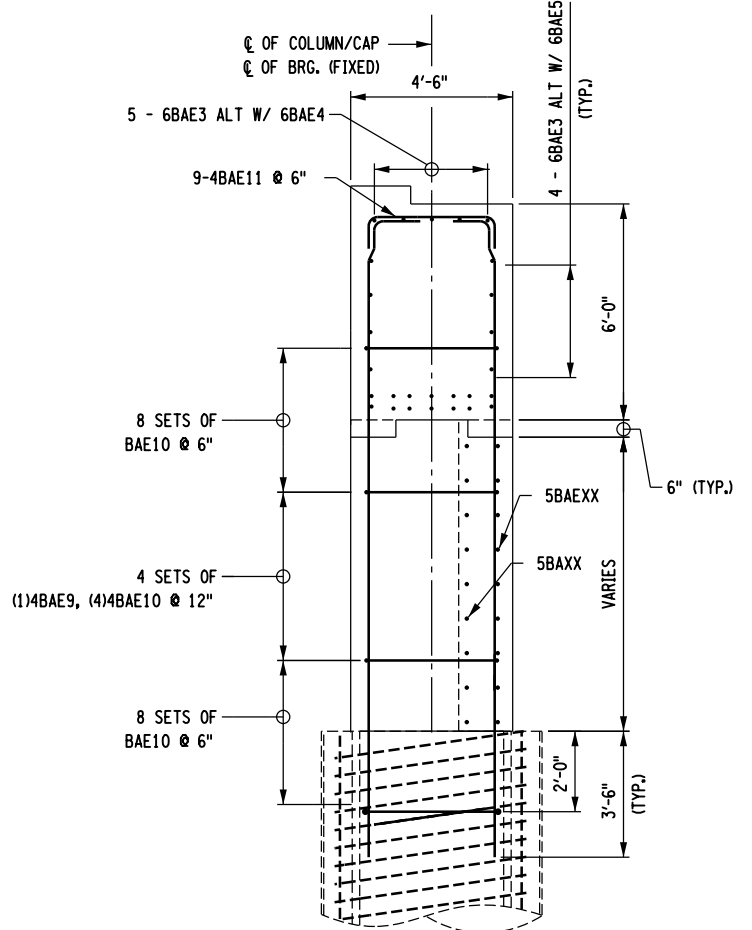
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN D. SHANKAR
 DRAFTING D. SHANKAR
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



PLAN
 $\frac{1}{8}'' = 1'-0''$



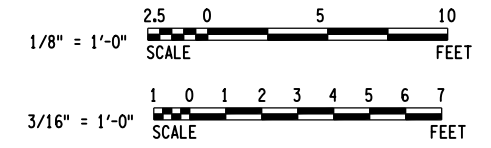
WESTBOUND ABUTMENT
 ELEVATION LOOKING WEST
 $\frac{1}{8}'' = 1'-0''$



SECTION A-A
 $\frac{3}{16}'' = 1'-0''$

NOTES:

- UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
- EPOXY-COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
- FOR SECTION B-B, SEE DWG. NO. ST2-13.
- FOR BEGIN ABUTMENT BAR LIST, SEE DWG. NO. ST2-24.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY:
 ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84			I-84 WESTBOUND BEGIN ABUTMENT REINFORCEMENT DETAILS 1 OF 3	DRAWING NO. ST2-12
	TOWN OF SOUTHEAST					SHEET NO. 145
	COUNTY: PUTNAM					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

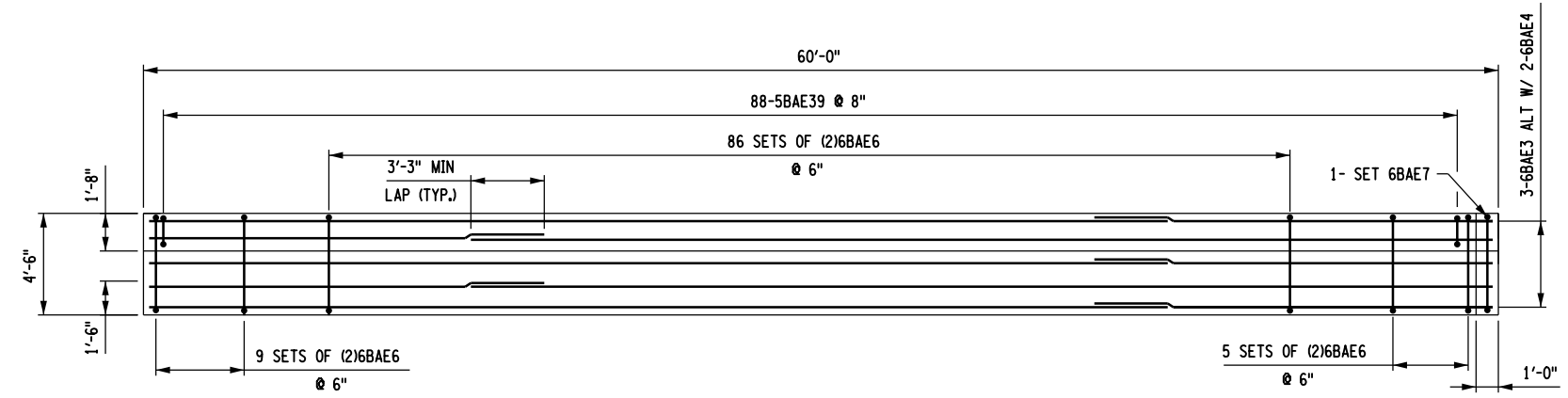
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:



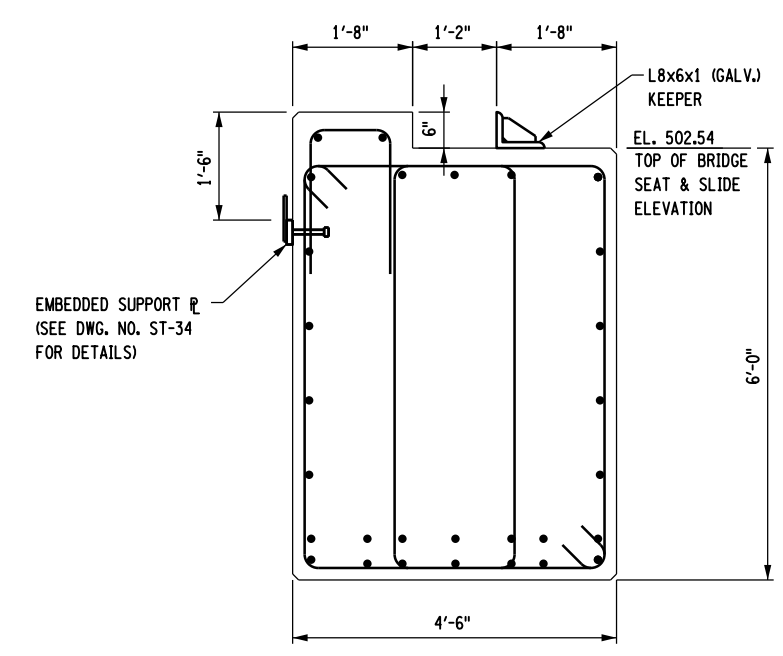
CONTRACT NUMBER D262100	DRAWING NO. ST2-12 SHEET NO. 145

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.opb.ST2-13.abt_rnf_beg.WB.abut_reinf.dgn
 DATE/TIME = 28-AUG-2012 18:36
 USER = pello

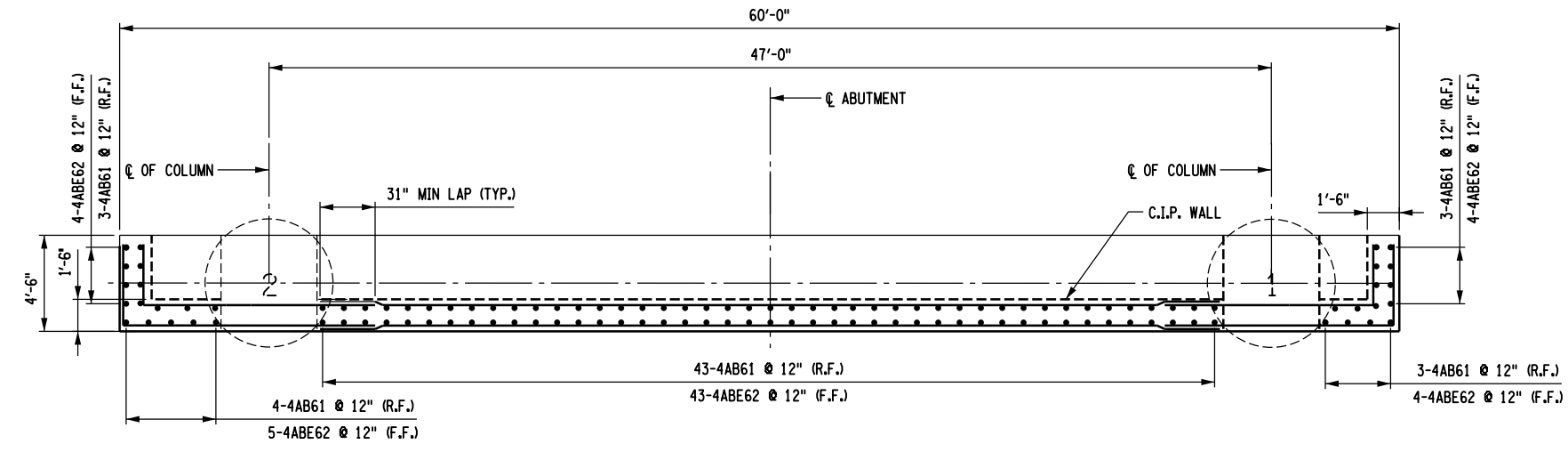
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN D. SHANKAR
 CHECK S. LIN
 DRAFTING D. SHANKAR
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



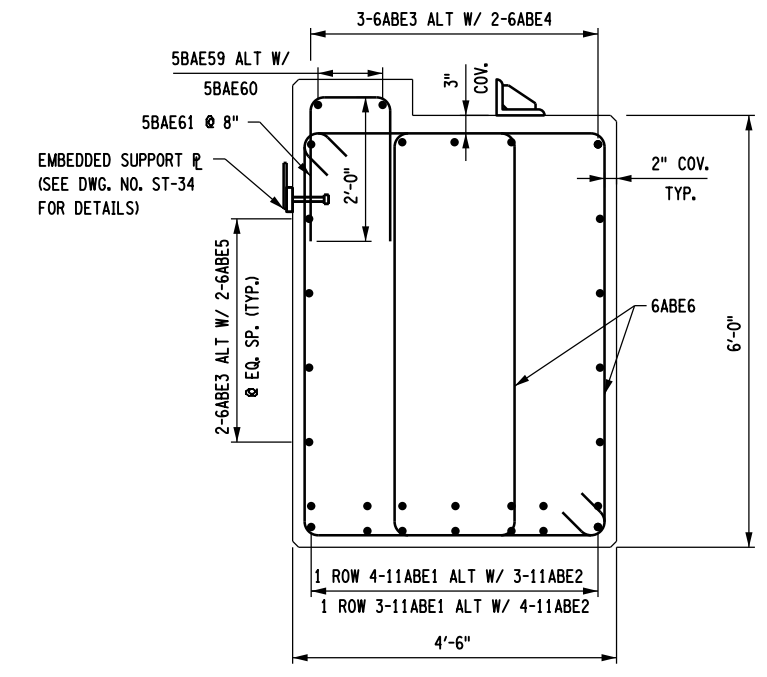
CAP BEAM PLAN
 $\frac{1}{8}'' = 1'-0''$



CAP BEAM SECTION B-B
 $\frac{3}{8}'' = 1'-0''$

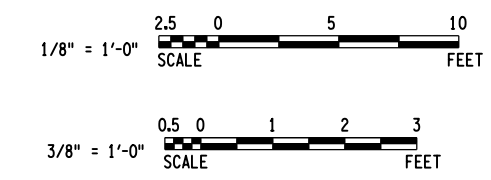


PLAN
 $\frac{1}{8}'' = 1'-0''$



CAP BEAM SECTION B-B
 $\frac{3}{8}'' = 1'-0''$

- NOTES:**
- UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
 - EPOXY-COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
 - FOR SECTION B-B, SEE DWG. NO. ST2-12.
 - FOR BACKFILL RETAINER DETAILS, SEE DWG. NO. ST-34.
 - FOR BEGIN ABUTMENT BAR LIST, SEE DWG. NO. ST2-24.
 - EMBEDDED SUPPORT PLATE TO BE PAID FOR UNDER ITEM 555.04400008.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY:
 ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 WESTBOUND BEGIN ABUTMENT REINFORCEMENT DETAILS 2 OF 3	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST2-13
	COUNTY: PUTNAM					SHEET NO. 146

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

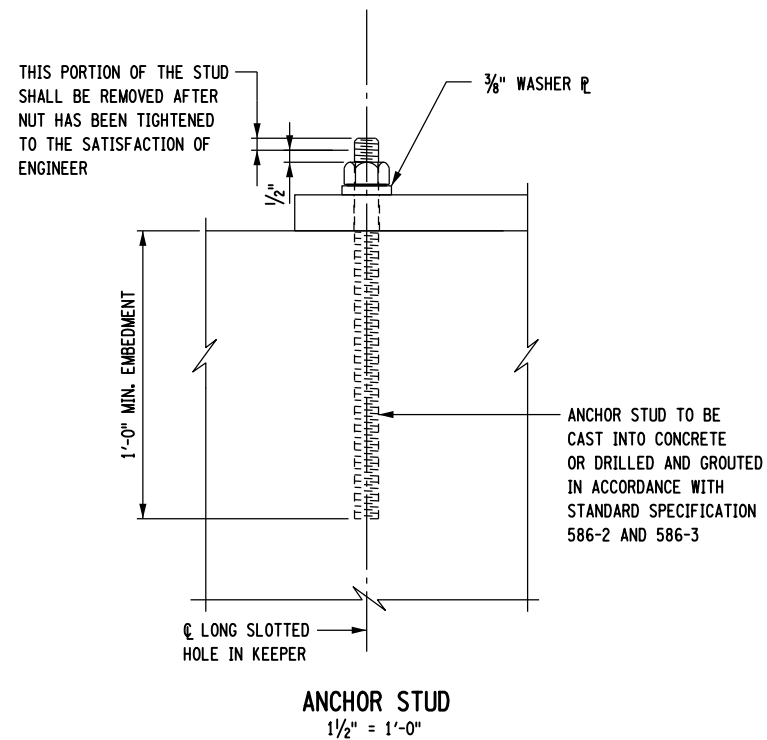
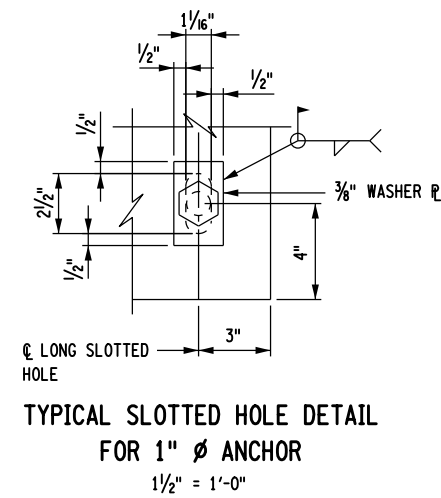
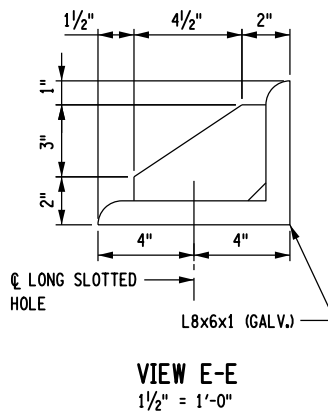
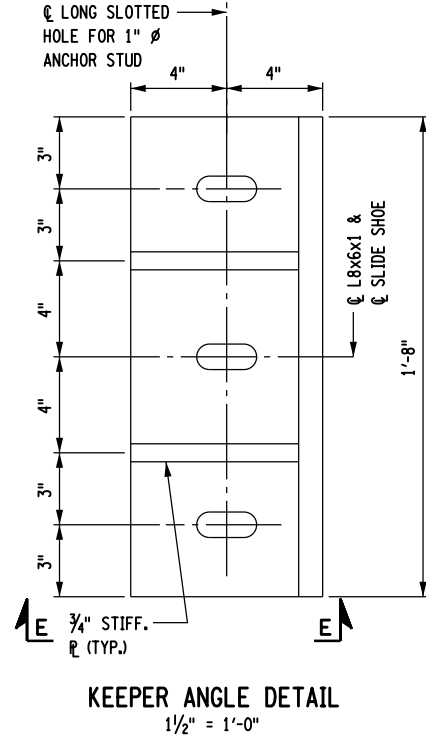
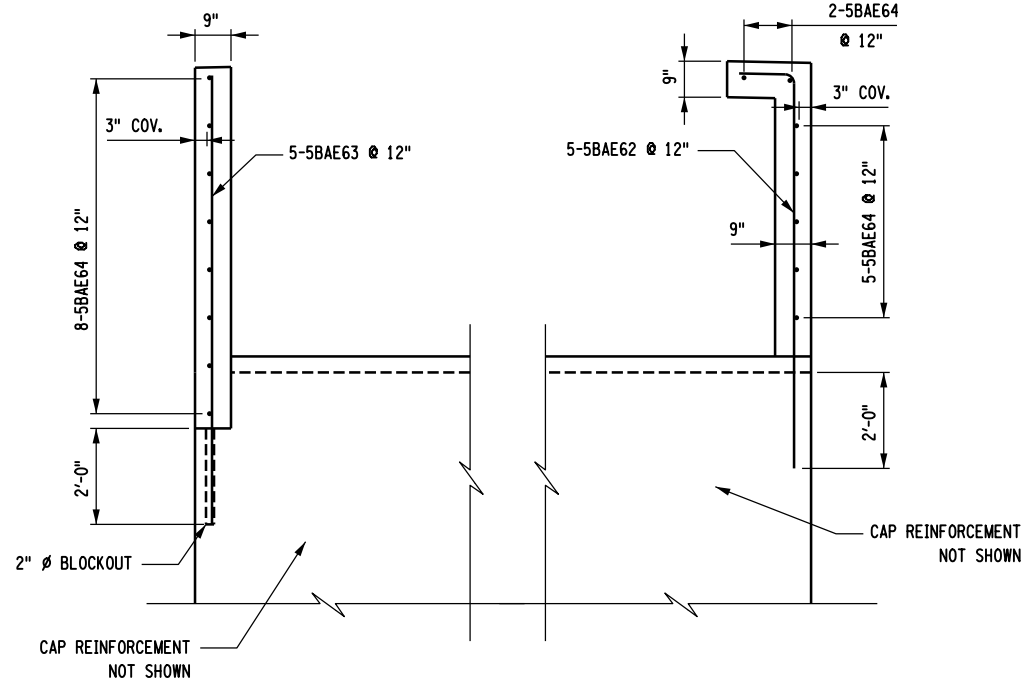
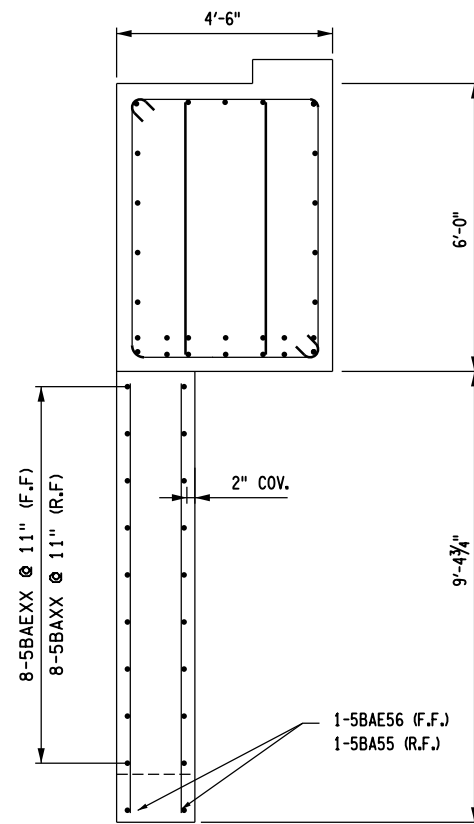
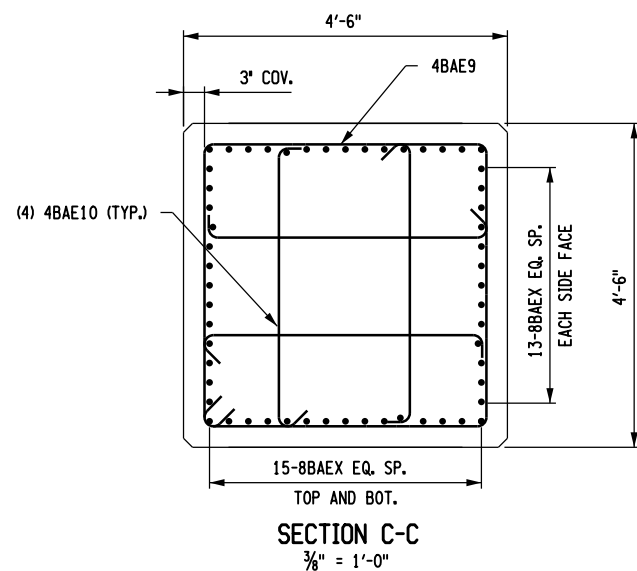
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:



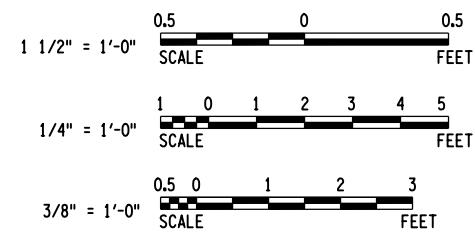
CONTRACT NUMBER
 D262100
 DRAWING NO. ST2-13
 SHEET NO. 146

FILE NAME = 06nyw006dep10cadd045737 TRB@Phase 4 Dingle Ridge Road06210.cpb_ST2-14_abt_rnf_beg_MB_abut_reinf.dgn
 DATE/TIME = 27-AUG-2012 04:20
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN D. SHANKAR
 CHECK S. LIN
 DRAFTING D. SHANKAR
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



- NOTES:**
- UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
 - EPOXY-COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
 - FOR SECTIONS C-C AND D-D, SEE DWG. NO. ST2-12.
 - FOR BEGIN ABUTMENT BAR LIST, SEE DWG. NO. ST2-24
 - ANCHOR STUDS SHALL BE ASTM F1554, GRADE 105.
 - ALL STEEL SHALL CONFORM TO ASTM A709, GRADE 50.
 - ANCHOR STUDS, WASHER PLATES, KEEPER ANGLE AND NUTS SHALL MEET THE REQUIREMENTS OF SUBSECTION 723-60. THEY SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF MATERIAL SUBSECTION 719-01, "GALVANIZED COATINGS AND REPAIR METHODS." THEIR COST (INCLUDING GALVANIZING) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR TYPE E.L. BEARING (56 TO 111 KIPS), ITEM 565.1922.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 WESTBOUND BEGIN ABUTMENT REINFORCEMENT DETAILS 3 OF 3	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST2-14
	COUNTY: PUTNAM					SHEET NO. 147

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

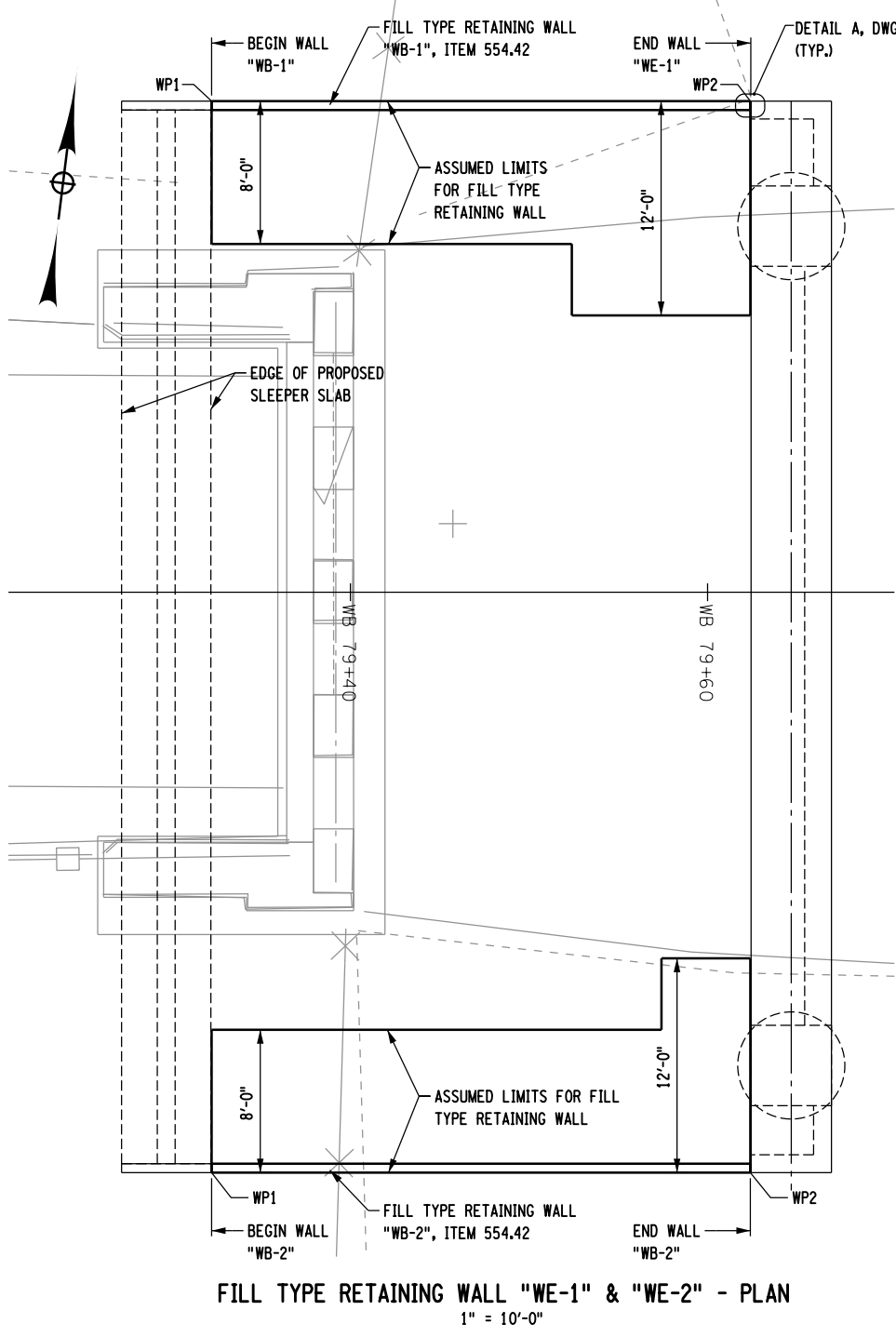
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:



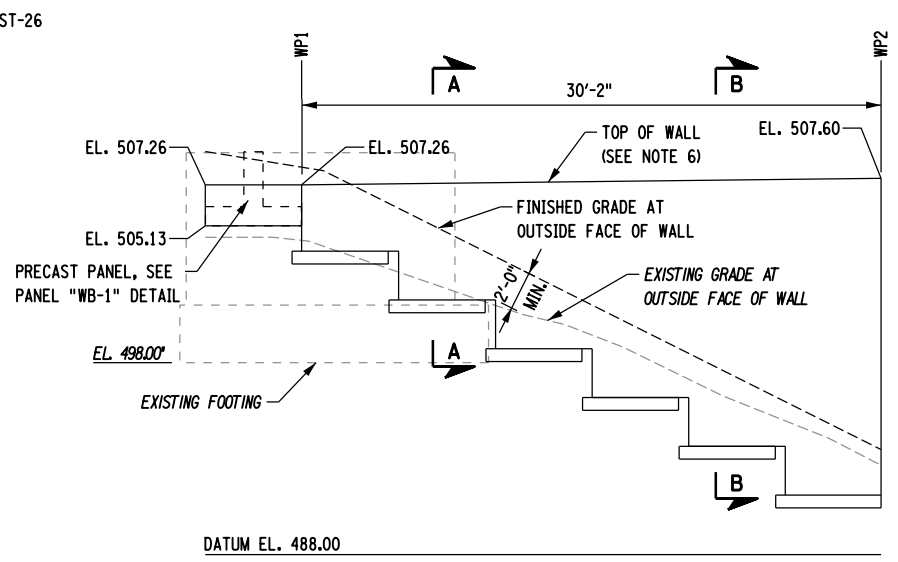
CONTRACT NUMBER	D262100
DRAWING NO.	ST2-14
SHEET NO.	147

FILE NAME = 06nyw006dep16cadd045737 TR@Phase 4 Dingle Ridge Road@06210.cpb_ST2-15_wal_pln_beg_WB_abut_walldgn
 DATE/TIME = 06-AUG-2012 16:04
 USER = pello

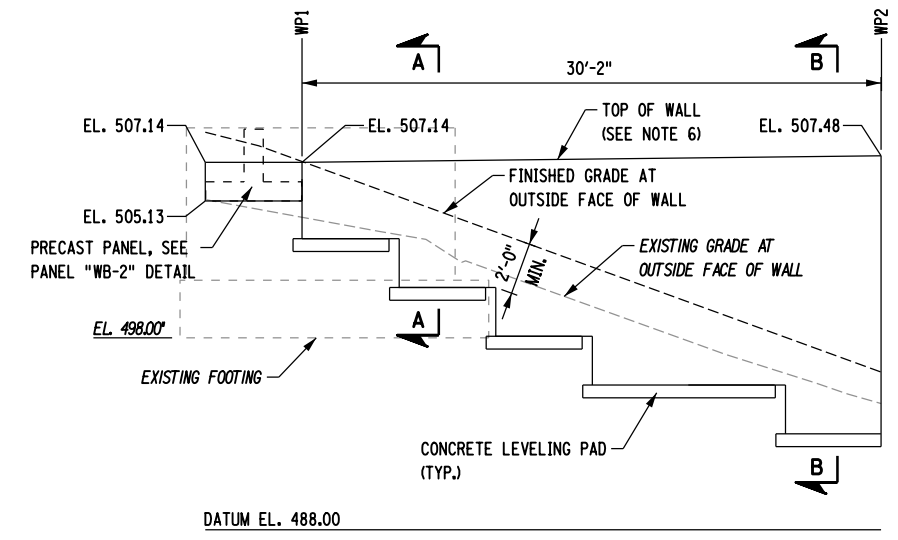
PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING J. JUZWIN
 CHECK M. RIEGEL
 DESIGN J. JUZWIN
 JOB MANAGER B. SIVAKUMAR
 DESIGN SUPERVISOR B. SIVAKUMAR



FILL TYPE RETAINING WALL "WE-1" & "WE-2" - PLAN
 1" = 10'-0"



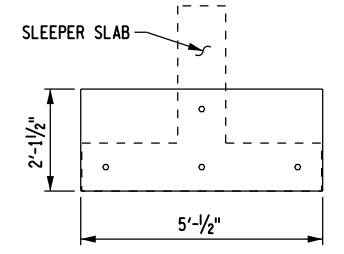
WALL "WB-1" - ELEVATION
 1" = 10'-0"



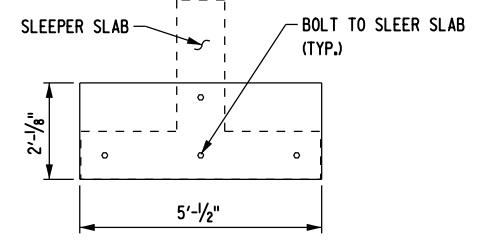
WALL "WB-2" - ELEVATION
 1" = 10'-0"

NOTES:

1. WORKPOINTS ARE GIVEN AT OUTSIDE FACE OF RETAINING WALL.
2. LEVELING PAD AND BOTTOM OF FILL TYPE RETAINING WALL ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL VERIFY TOP OF LEVELING PAD/BOTTOM OF WALL ELEVATION AND LEVELING PAD DIMENSIONS BASED ON WALL SYSTEM CHOSEN.
3. BOTTOM OF FILL TYPE RETAINING WALL SHALL BE EMBEDDED A MINIMUM OF TWO (2) FEET BELOW FINISHED GRADE AT OUTSIDE FACE OF WALL, AND NO MORE THAN FIVE (5) FEET BELOW THE ORIGINAL GROUND SURFACE.
4. WHERE THE WINGWALL IS TO INTERSECT WITH THE SLEEPER SLAB, A PRECAST CONCRETE PANEL SHALL BE BOLTED TO THE END OF THE SLEEPER SLAB IN PLACE OF A MODULAR WALL UNIT. THE PANELS SHALL BE INSTALLED FOLLOWING THE BRIDGE SLIDE. THE FINISH AT THE FACE OF THE PANELS SHALL MATCH THAT OF THE ADJACENT WALL UNITS.
5. FOR GENERIC WALL SECTIONS A-A THROUGH C-C AND ADDITIONAL NOTES AND DETAILS SEE "FILL TYPE RETAINING WALL DETAILS" SHEET, DWG. NO. ST-26.
6. PROVIDE MINIMUM 3 INCH CLEARANCE BETWEEN THE TOP OF WALL AND BOTTOM OF APPROACH SLAB TO ACCOMMODATE THE SLIDE.



PANEL "WB-1" DETAIL
 1/4" = 1'-0"



PANEL "WB-2" DETAIL
 1/4" = 1'-0"

WORKPOINT TABLE - WALL "WB-1"				
WORKPOINT	STATION	OFFSET	NORTHING	EASTING
WP1	WB 79+32.23	27.5 L	930896.79	750141.16
WP2	WB 79+62.39	27.5 L	930900.50	750171.10

WORKPOINT TABLE - WALL "WB-2"				
WORKPOINT	STATION	OFFSET	NORTHING	EASTING
WP1	WB 79+32.23	32.5 R	930837.25	750148.53
WP2	WB 79+62.39	32.5 R	930840.95	750178.47

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
 F.J.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84

BRIDGES
 1032621
 1032622

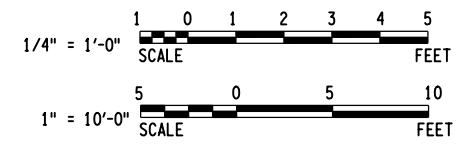
CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 I-84 WESTBOUND
 BEGIN ABUTMENT
 WINGWALL PLAN AND ELEVATION

CONTRACT NUMBER
 D262100
 DRAWING NO. ST2-15
 SHEET NO. 148

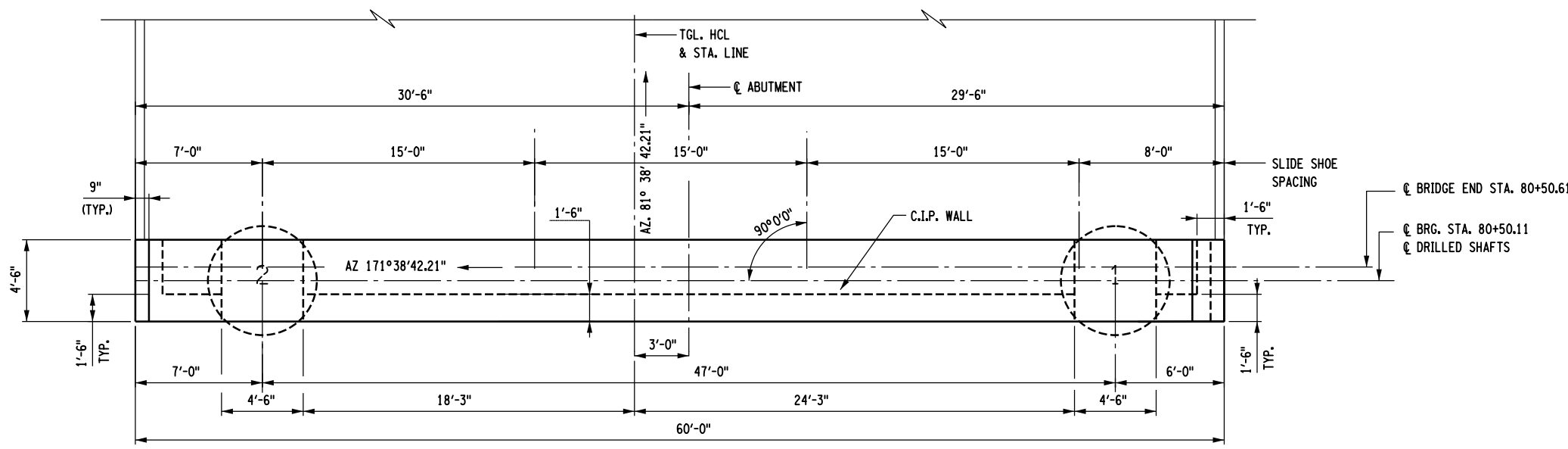
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:



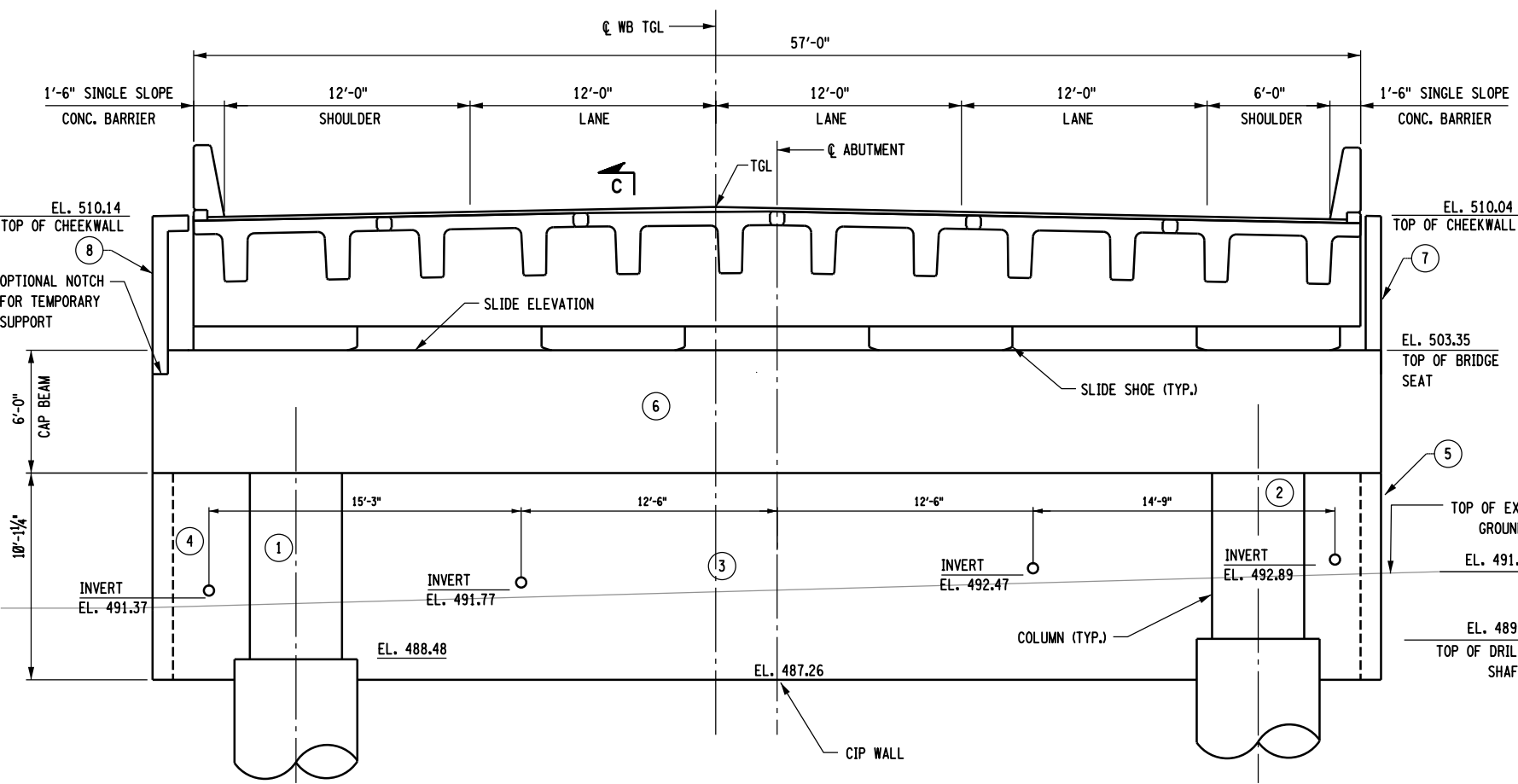
FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.cpb_ST12-16_abt_pln_end.WB_abut_layout.dgn
 DATE/TIME = 06-AUG-2012 16:04
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN D. SHANKAR
 CHECK S. LIN
 DRAFTING D. SHANKAR
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR

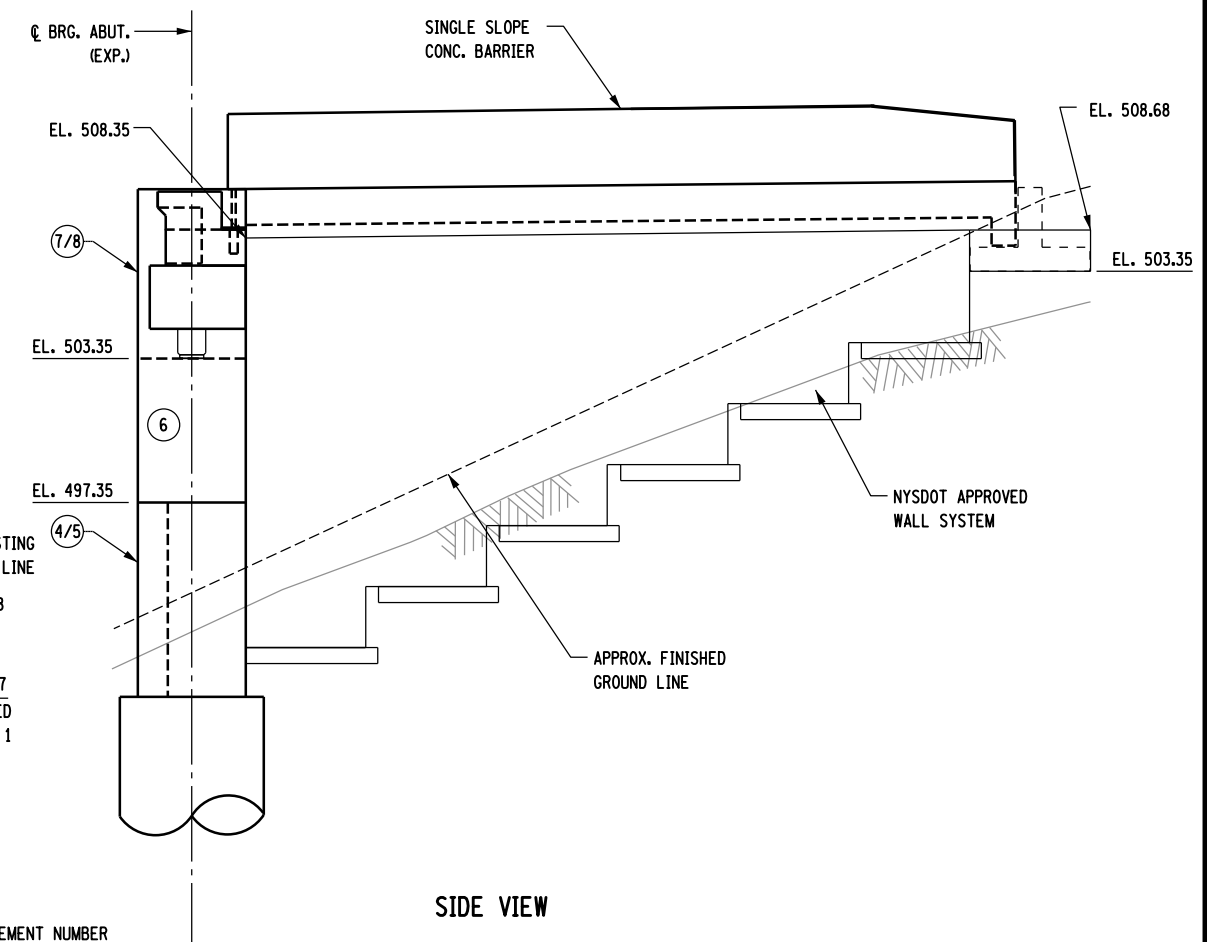


PLAN

CONCRETE TABLE		
PLACEMENT	QUANTITY [CY]	ITEM NO.
1	9.53	555.04400008
2	8.48	555.04400008
3	23.85	555.09
4	3.77	555.09
5	4.36	555.09
6	59.86	555.04400008
7	0.71	555.09
8	0.94	555.09

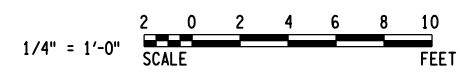


ELEVATION - LOOKING EAST



SIDE VIEW

LEGEND:
 (NO.) INDICATES PLACEMENT NUMBER
 N INDICATES DRILLED SHAFT NUMBER



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:

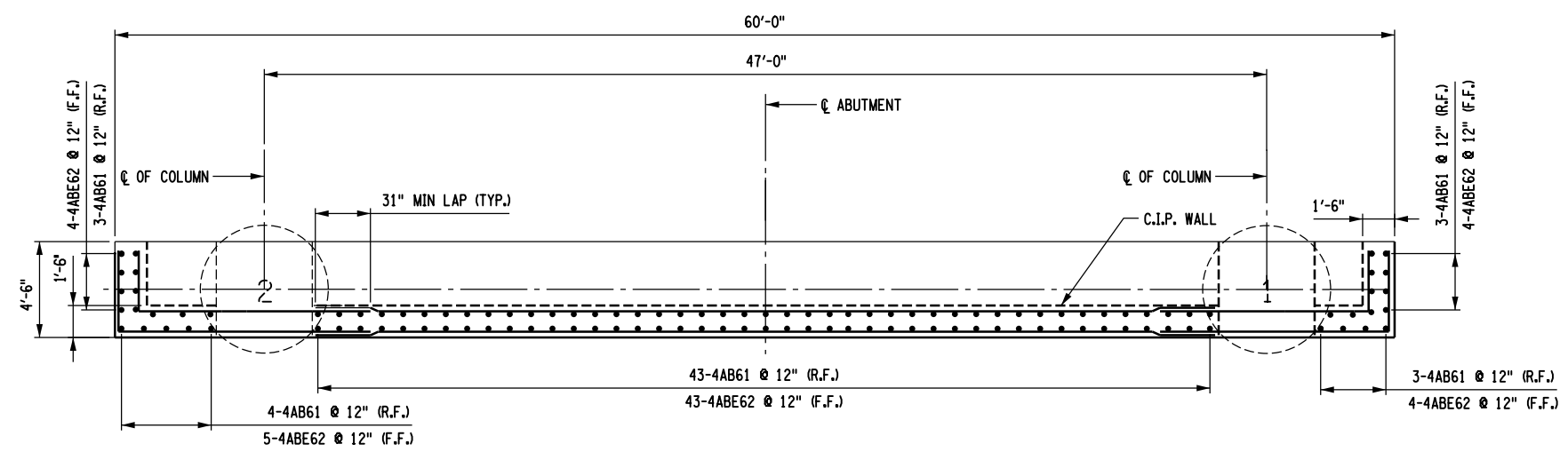
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 WESTBOUND END ABUTMENT PLAN AND ELEVATION	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST2-16
	COUNTY: PUTNAM					SHEET NO. 149

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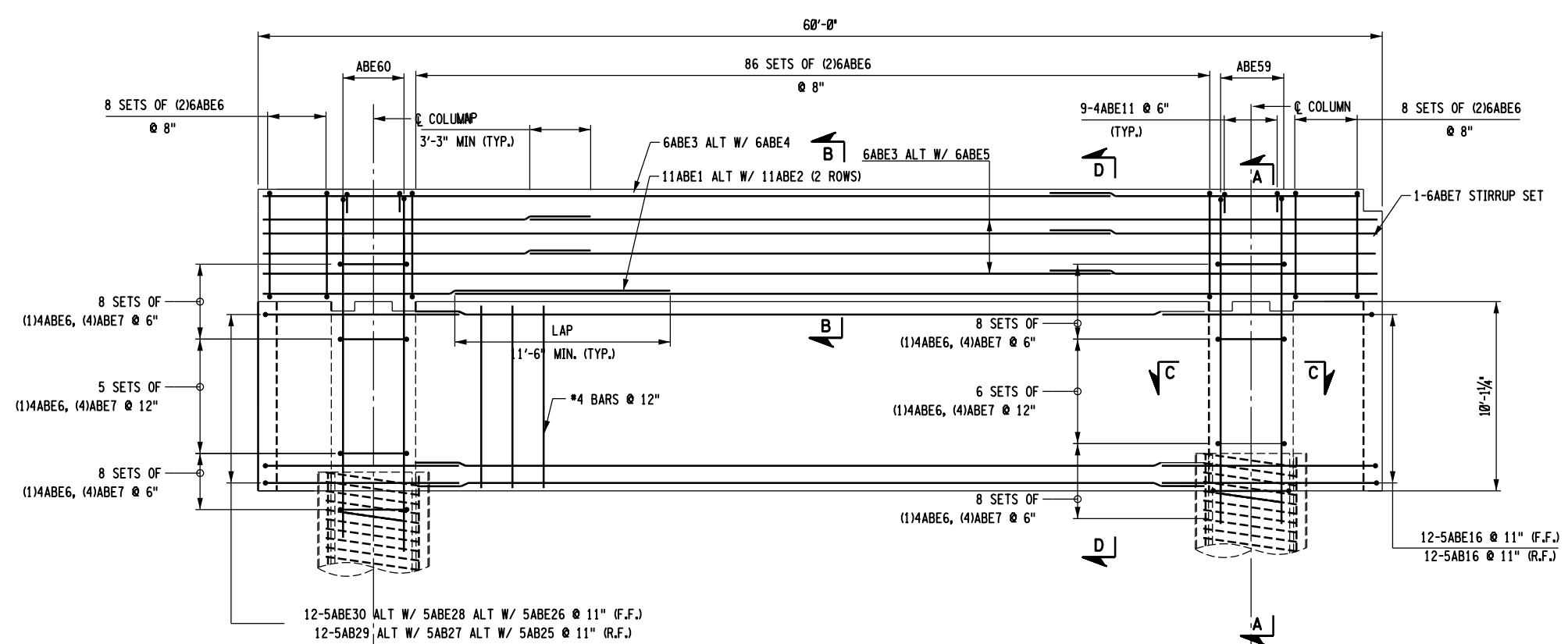
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep10cadd045737 TRB@Phase 4 Dingle Ridge Road060210.cpb_ST2-17_abt_rnf_end.WB_abt_reinf.dgn
 DATE/TIME = 27-AUG-2012 04:20
 USER = pella

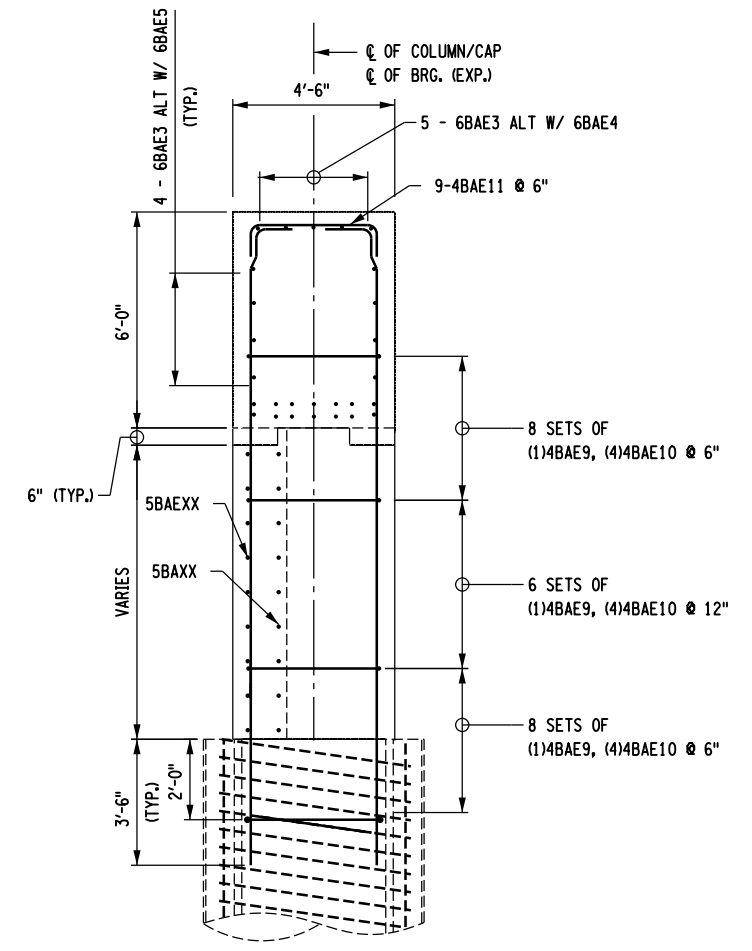
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN D. SHANKAR
 CHECK S. LIN
 DRAFTING D. SHANKAR
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



PLAN
 1/8" = 1'-0"



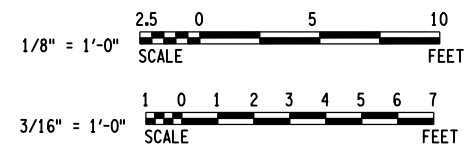
ABUTMENT REINFORCEMENT ELEVATION
 1/8" = 1'-0"



SECTION A-A
 3/16" = 1'-0"

NOTES:

- UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
- EPOXY-COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
- FOR SECTION B-B, SEE DWG. NO. ST2-18.
- FOR SECTIONS C-C AND D-D, SEE DWG. NO. ST2-19.
- FOR END ABUTMENT BAR LIST, SEE DWG. NO. ST2-25.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



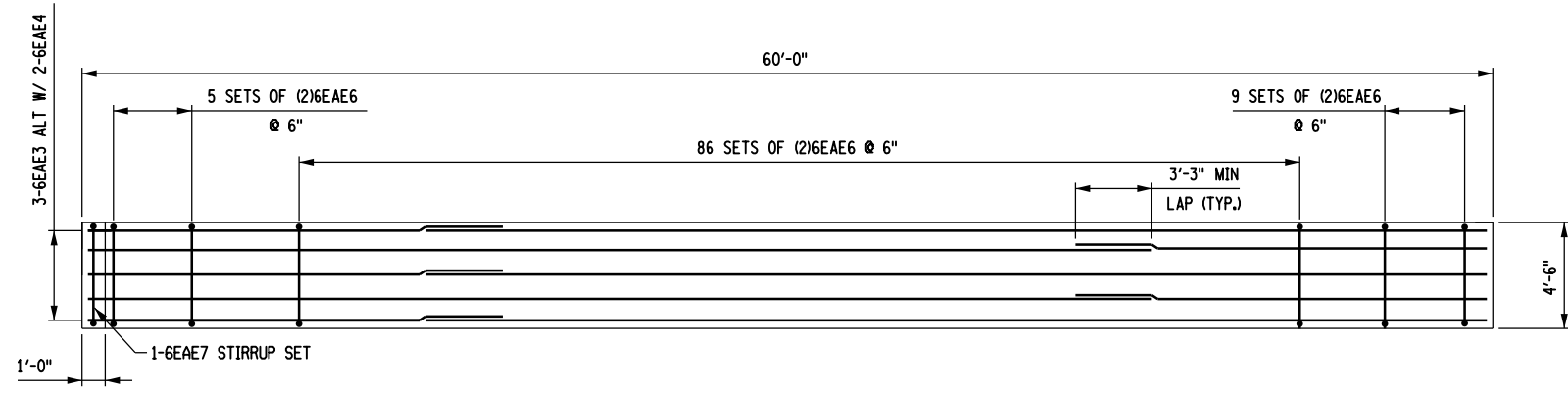
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 WESTBOUND	D262100
	TOWN OF SOUTHEAST				END ABUTMENT	DRAWING NO. ST2-17
	COUNTY: PUTNAM				REINFORCEMENT DETAILS 1 OF 3	SHEET NO. 150

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

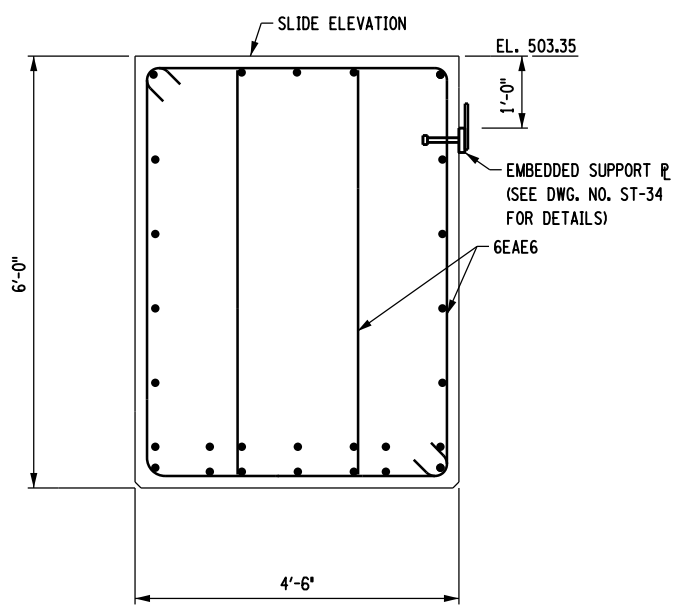
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210_cpb_ST2-18_abt_rnf_end_MB_abut_reinf.dgn
 DATE/TIME = 28-AUG-2012 18:36
 USER = pello

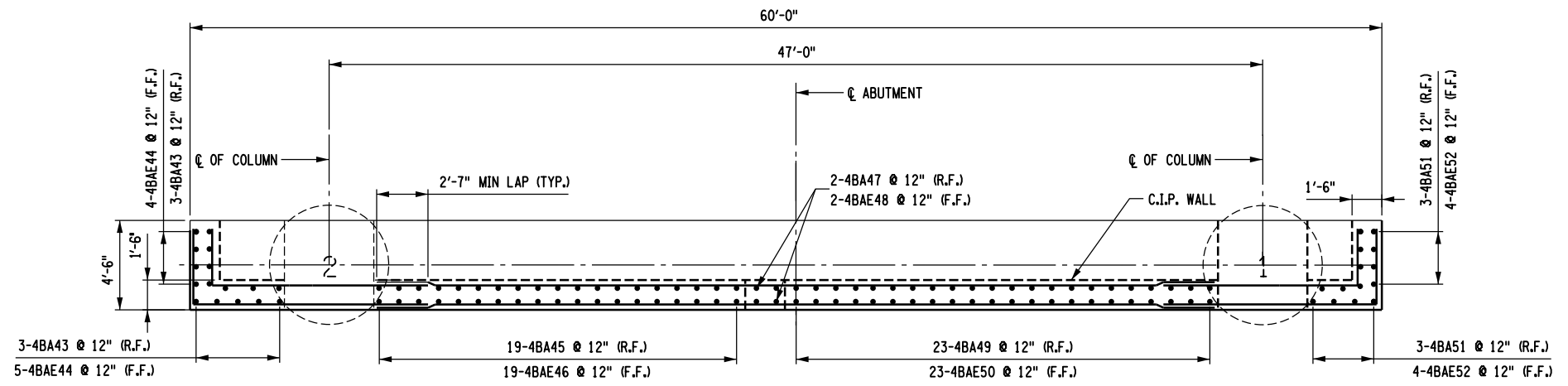
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN D. SHANKAR
 CHECK S. LIN
 DRAFTING D. SHANKAR
 CHECK S. LIN
 DRAFTING D. SHANKAR
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



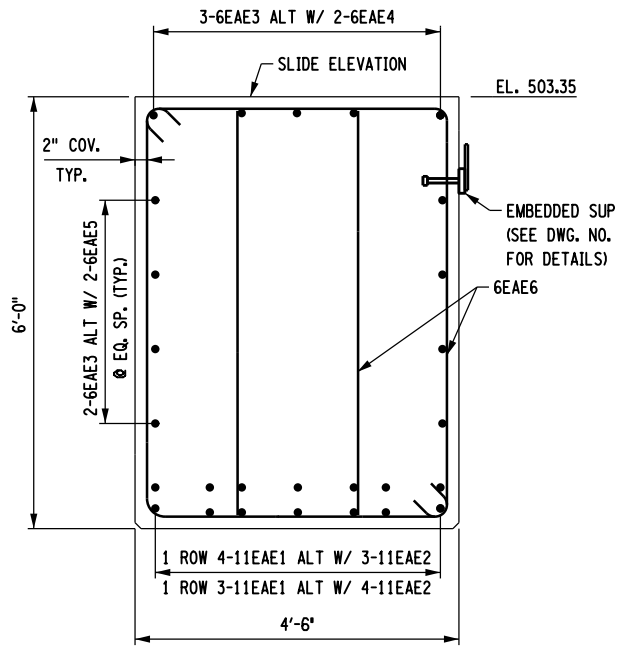
CAP BEAM PLAN
 1/8" = 1'-0"



CAP BEAM SECTION B-B
 3/8" = 1'-0"

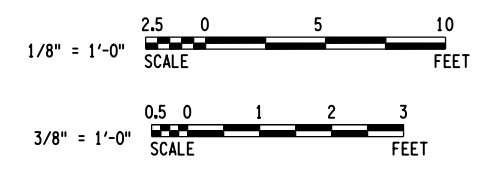


PLAN
 1/8" = 1'-0"



CAP BEAM SECTION B-B
 3/8" = 1'-0"

- NOTES:**
- UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
 - EPOXY-COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
 - FOR LOCATION OF SECTION B-B, SEE DWG. NO. ST2-17.
 - FOR BACKFILL RETAINER DETAILS, SEE DWG. NO. ST-34.
 - FOR END ABUTMENT BAR LIST, SEE DWG. NO. ST2-25.
 - EMBEDDED SUPPORT PLATE TO BE PAID FOR UNDER ITEM 555.04400008.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY:
 ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		I-84 WESTBOUND END ABUTMENT REINFORCEMENT DETAILS 2 OF 3	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST2-18
	COUNTY: PUTNAM					SHEET NO. 151

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

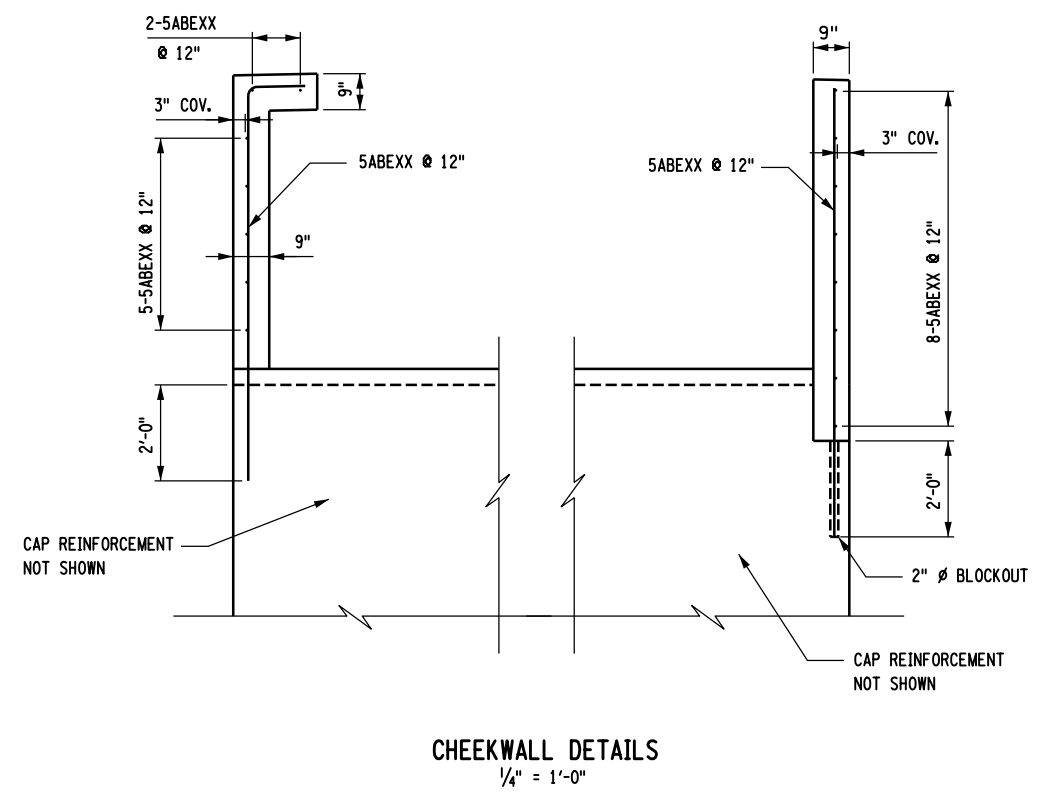
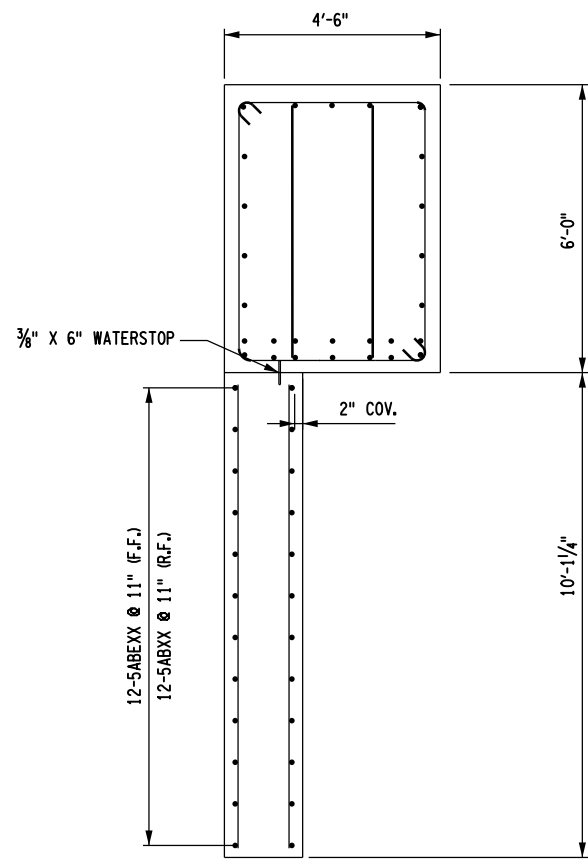
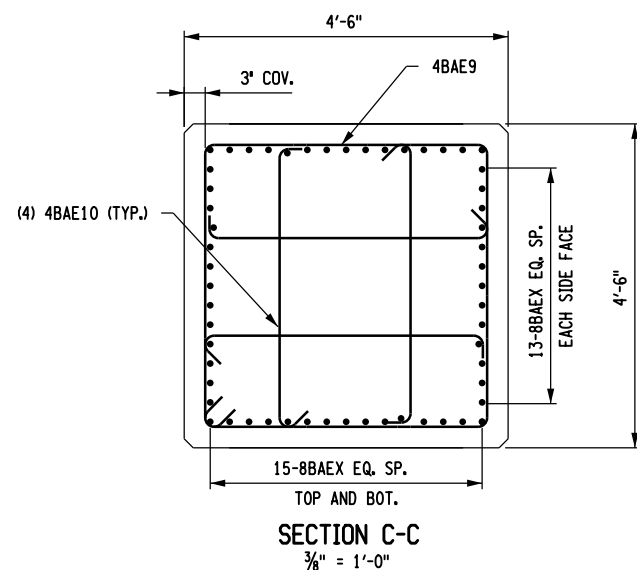
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:



CONTRACT NUMBER	D262100
DRAWING NO.	ST2-18
SHEET NO.	151

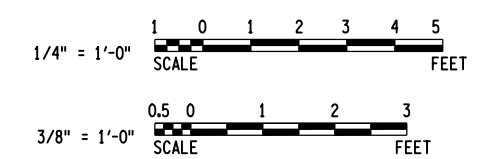
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 DATE/TIME = 27-AUG-2012 04:20
 USER = pello

DESIGN SUPERVISOR **B. SIVAKUMAR** JOB MANAGER **B. SIVAKUMAR** DESIGN **D. SHANKAR** DRAFTING **D. SHANKAR** CHECK **S. LIN** CHECK **S. LIN** PROJECT MANAGER **B. SIVAKUMAR**



NOTES:

- UNCOATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0201.
- EPOXY-COATED BAR REINFORCEMENT SHALL BE PAID FOR UNDER ITEM 556.0202.
- FOR LOCATION OF SECTIONS C-C AND D-D, SEE DWG. NO. ST2-17.
- FOR END ABUTMENT BAR LIST, SEE DWG. NO. ST2-25.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES	CULVERTS
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032621	
	TOWN OF SOUTHEAST		1032622	
	COUNTY: PUTNAM			

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

**I-84 WESTBOUND
 END ABUTMENT
 REINFORCEMENT DETAILS 3 OF 3**

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

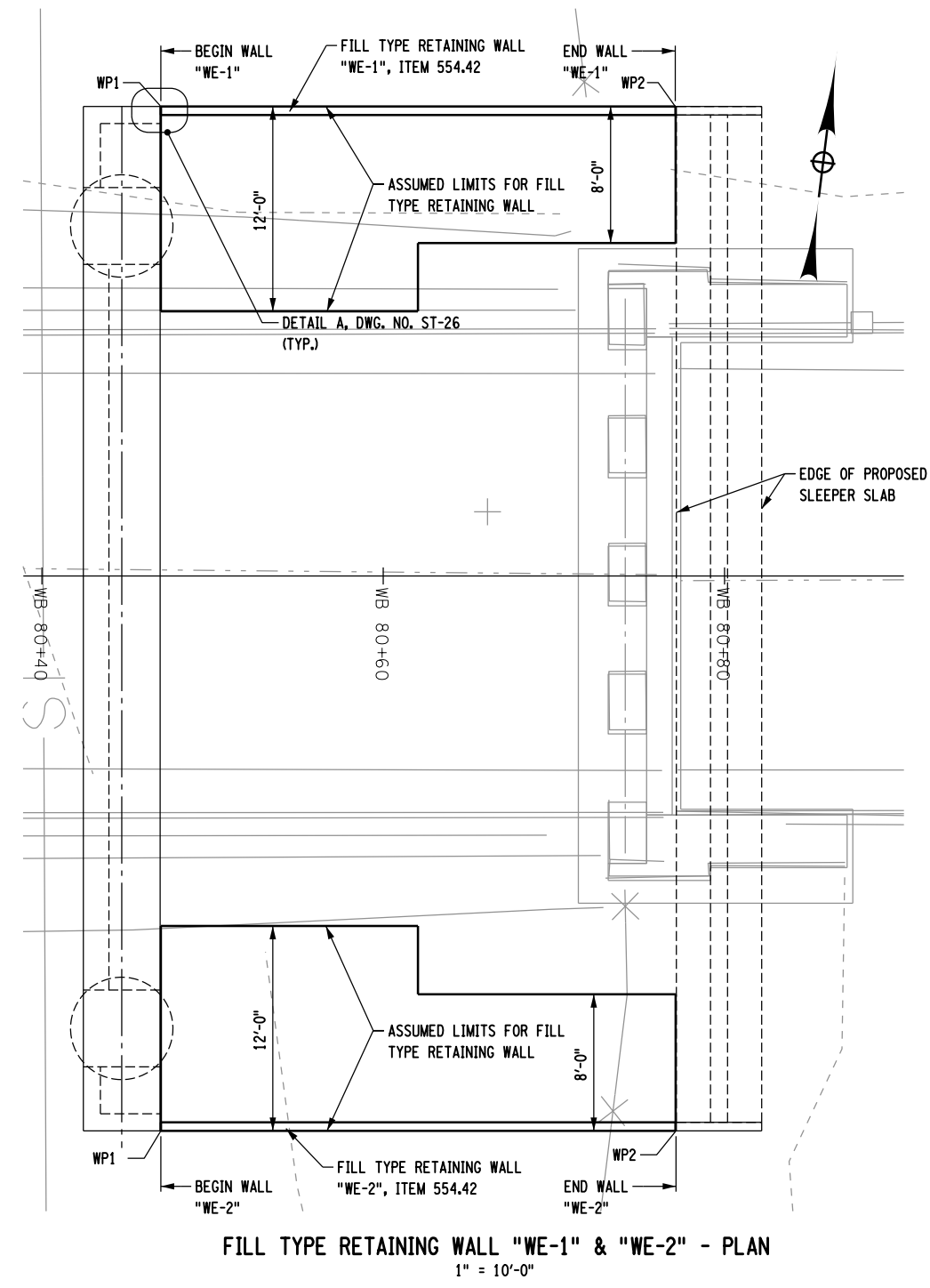
CONTRACT NUMBER	
D262100	
DRAWING NO. ST2-19	
SHEET NO. 152	

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

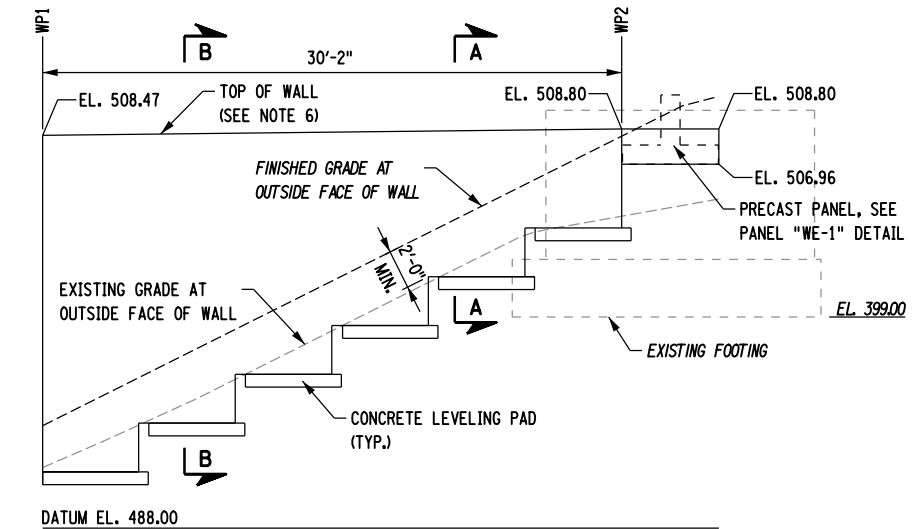
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.cpb_ST2-20_wal_pln_end.WB.abut_wal.dgn
 DATE/TIME = 06-AUG-2012 16:05
 USER = pella

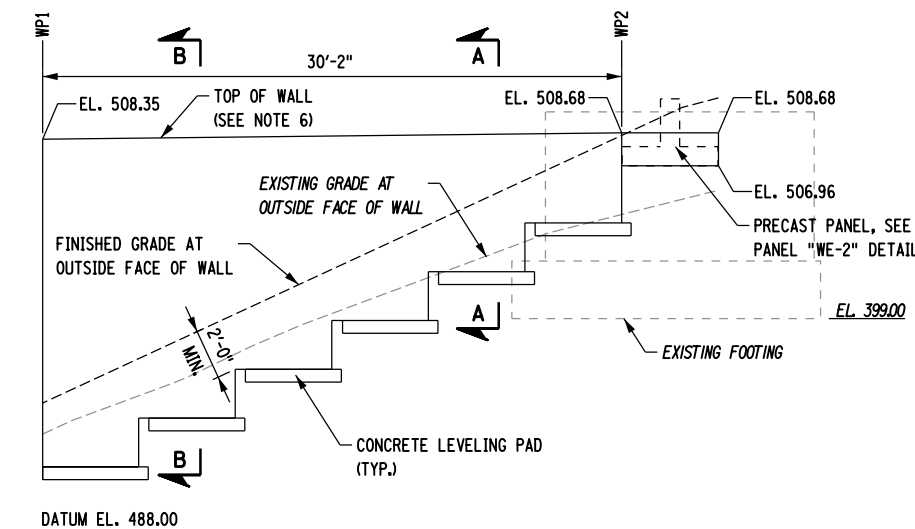
PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING J. JUZWIN
 CHECK M. RIEGEL
 DESIGN J. JUZWIN
 JOB MANAGER B. SIVAKUMAR
 DESIGN SUPERVISOR B. SIVAKUMAR



FILL TYPE RETAINING WALL "WE-1" & "WE-2" - PLAN
 1" = 10'-0"



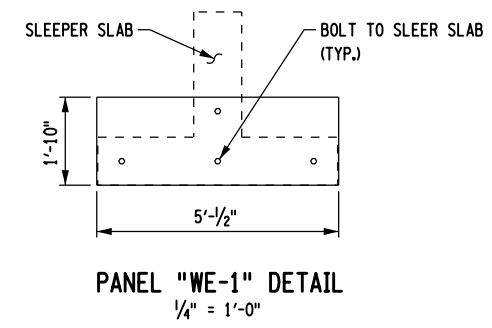
WALL "WE-1" - ELEVATION
 1" = 10'-0"



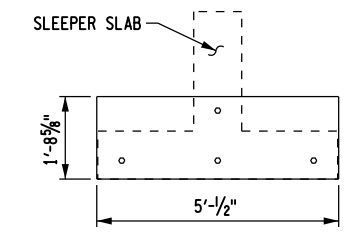
WALL "WE-2" - ELEVATION
 1" = 10'-0"

NOTES:

1. WORKPOINTS ARE GIVEN AT OUTSIDE FACE OF RETAINING WALL.
2. LEVELING PAD AND BOTTOM OF FILL TYPE RETAINING WALL ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL VERIFY TOP OF LEVELING PAD/BOTTOM OF WALL ELEVATION AND LEVELING PAD DIMENSIONS BASED ON WALL SYSTEM CHOSEN.
3. BOTTOM OF FILL TYPE RETAINING WALL SHALL BE EMBEDDED A MINIMUM OF TWO (2) FEET BELOW FINISHED GRADE AT OUTSIDE FACE OF WALL, AND NO MORE THAN FIVE (5) FEET BELOW ORIGINAL GROUND SURFACE.
4. WHERE THE WINGWALL IS TO INTERSECT WITH THE SLEEPER SLAB, A PRECAST CONCRETE PANEL SHALL BE BOLTED TO THE END OF THE SLEEPER SLAB IN PLACE OF A MODULAR WALL UNIT. THE PANELS SHALL BE INSTALLED FOLLOWING THE BRIDGE SLIDE. THE FINISH AT THE FACE OF THE PANELS SHALL MATCH THAT OF THE ADJACENT WALL UNITS.
5. FOR GENERIC WALL SECTIONS A-A THROUGH C-C AND ADDITIONAL NOTES AND DETAILS SEE "FILL TYPE RETAINING WALL DETAILS" SHEET, DWG. NO. ST-26.
6. PROVIDE MINIMUM 3 INCH CLEARANCE BETWEEN THE TOP OF WALL AND BOTTOM OF APPROACH SLAB TO ACCOMMODATE THE SLIDE.



PANEL "WE-1" DETAIL
 1/4" = 1'-0"



PANEL "WE-2" DETAIL
 1/4" = 1'-0"

WORKPOINT TABLE - WALL "WE-1"				
WORKPOINT	STATION	OFFSET	NORTHING	EASTING
WP1	WB 80+46.97	27.5 L	930910.89	750255.03
WP2	WB 80+77.11	27.5 L	930914.60	750284.98

WORKPOINT TABLE - WALL "WE-2"				
WORKPOINT	STATION	OFFSET	NORTHING	EASTING
WP1	WB 80+46.97	32.5 R	930851.35	750262.40
WP2	WB 80+77.16	32.5 R	930855.05	750292.36

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
 F.J.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84

BRIDGES
 1032621
 1032622

CULVERTS
 ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 I-84 WESTBOUND
 END ABUTMENT
 WINGWALL PLAN AND ELEVATION

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

CONTRACT NUMBER
 D262100

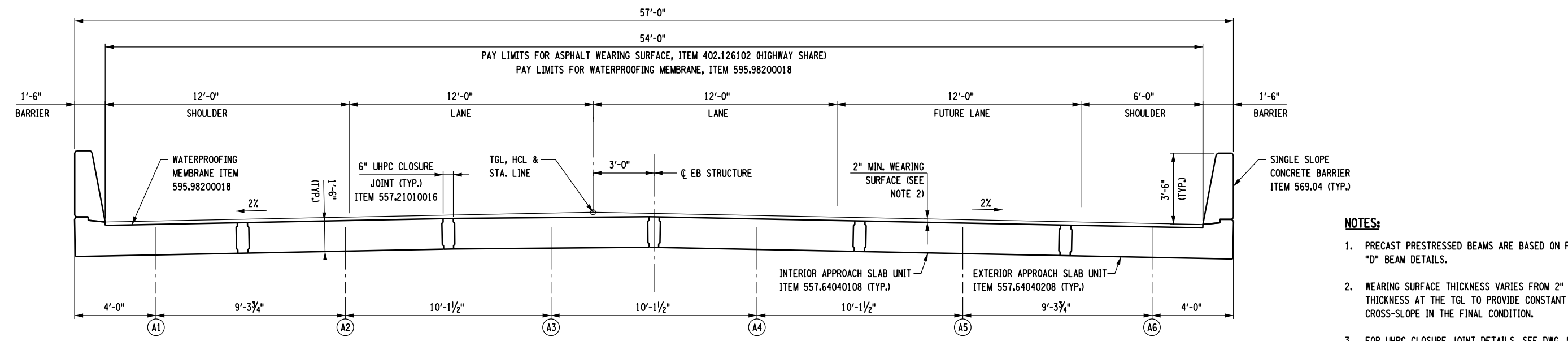
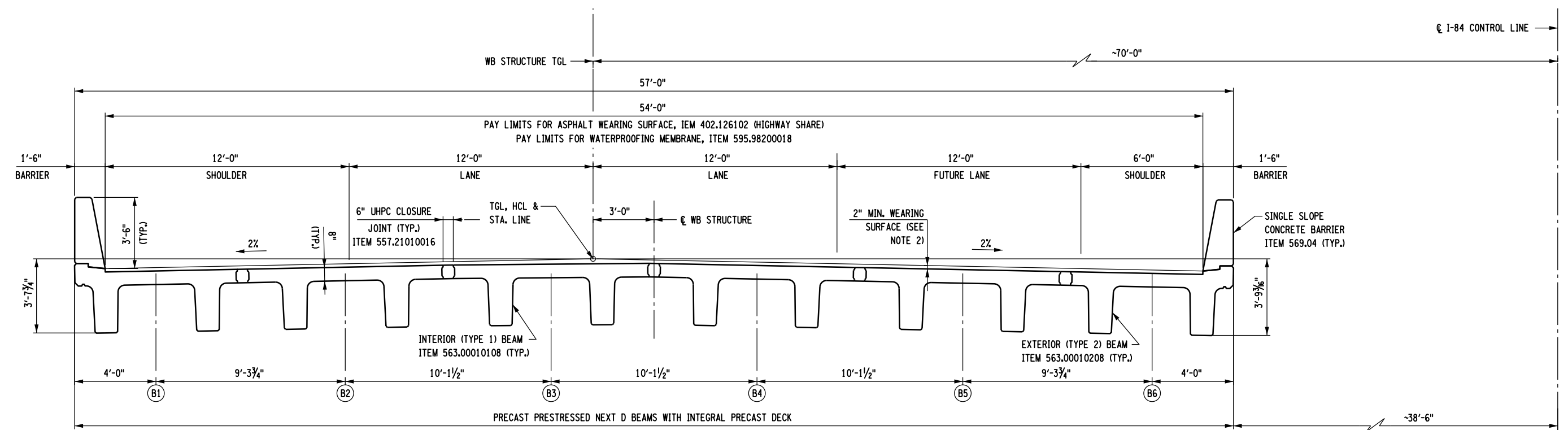
DRAWING NO. ST2-20
 SHEET NO. 153

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

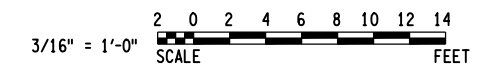
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road06210.cpb_ST2-21_sec.trn_WB_sup.sect.dgn
 DATE/TIME = 06-AUG-2012 16:05
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN G. HARRELL
 CHECK C. BROSDIO
 DRAFTING C. BROSDIO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



- NOTES:**
1. PRECAST PRESTRESSED BEAMS ARE BASED ON PCINE NEXT "D" BEAM DETAILS.
 2. WEARING SURFACE THICKNESS VARIES FROM 2" MINIMUM THICKNESS AT THE TGL TO PROVIDE CONSTANT CROSS-SLOPE IN THE FINAL CONDITION.
 3. FOR UHPC CLOSURE JOINT DETAILS, SEE DWG. NO. ST2-22.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10 I 84	BRIDGES 1032621 1032622 BIN 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE				I-84 WESTBOUND TYPICAL CROSS SECTIONS	DRAWING NO. ST2-21
	TOWN OF SOUTHEAST					SHEET NO. 154
	COUNTY: PUTNAM					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.					NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08 DOCUMENT NAME:	

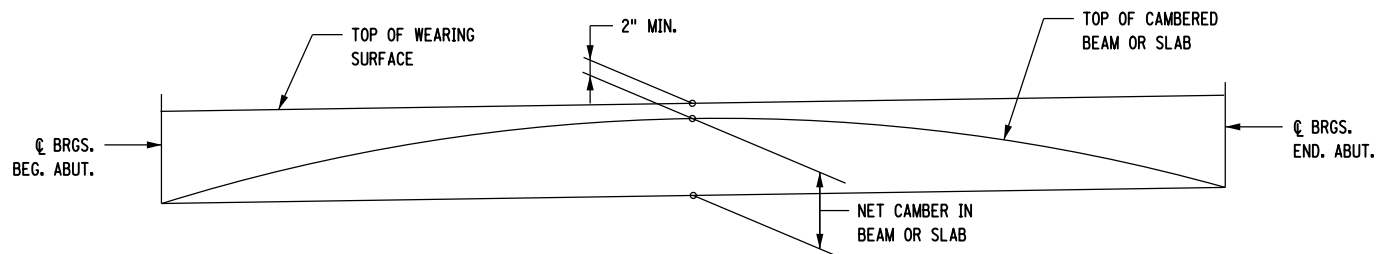
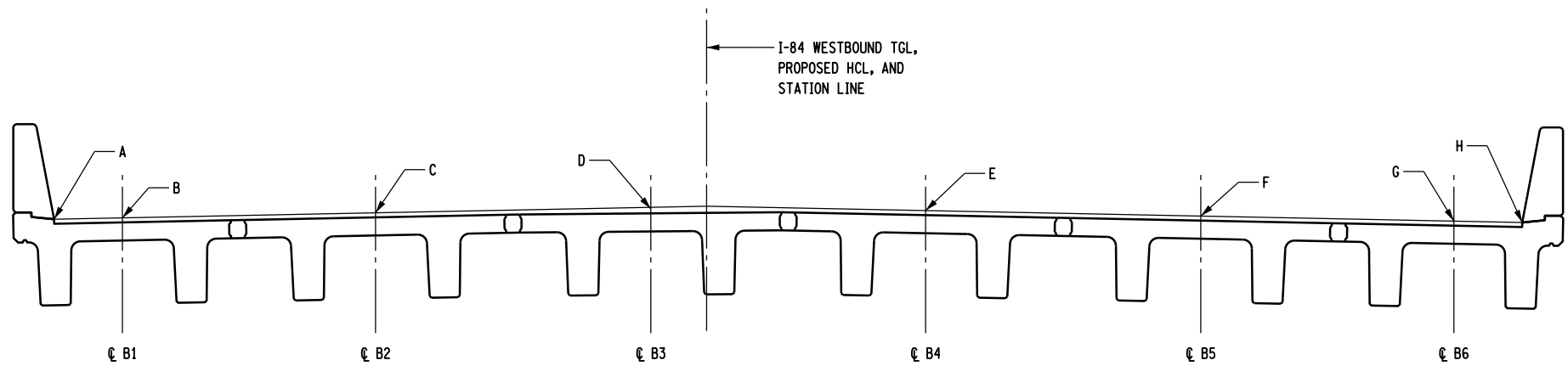
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 DATE/TIME = 06-AUG-2012 16:05
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN G. HARRELL CHECK F. PADILLA DRAFTING F. PADILLA CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR

LOCATION		DECK ELEVATION TABLE																
		LOCATION STA.		A.P.E.	BRD. BEG.	☉ BRG. B.A.	0.1 L	0.2 L	0.3 L	0.4 L	0.5 L	0.6 L	0.7 L	0.8 L	0.9 L	☉ BRG. E.A.	BRD. ENDS	A.P.B.
TGL OFFSET		79+29.18	79+64.18	79+64.68	79+72.68	79+80.68	79+88.68	79+96.68	80+04.68	80+12.68	80+20.68	80+28.68	80+36.68	80+44.68	80+45.18	80+80.18		
A	24.00	509.04	509.40	509.40	509.49	509.57	509.65	509.73	509.81	509.89	509.97	510.05	510.13	510.22	510.22	510.57		
B	21.50	509.09	509.45	509.45	509.54	509.62	509.70	509.78	509.86	509.94	510.02	510.10	510.18	510.27	510.27	510.62		
C	12.19	509.28	509.64	509.64	509.72	509.80	509.88	509.97	510.05	510.13	510.21	510.29	510.37	510.45	510.46	510.81		
D	2.06	509.48	509.84	509.84	509.92	510.01	510.09	510.17	510.25	510.33	510.41	510.49	510.57	510.65	510.66	511.01		
E	8.06	509.36	509.72	509.72	509.80	509.89	509.97	510.05	510.13	510.21	510.29	510.37	510.45	510.53	510.54	510.89		
F	18.19	509.16	509.52	509.52	509.60	509.68	509.76	509.85	509.93	510.01	510.09	510.17	510.25	510.33	510.34	510.69		
G	27.50	508.97	509.33	509.33	509.42	509.50	509.58	509.66	509.74	509.82	509.90	509.98	510.06	510.15	510.15	510.50		
H	30.00	508.92	509.28	509.28	509.37	509.45	509.53	509.61	509.69	509.77	509.85	509.93	510.01	510.10	510.10	510.45		
TGL	0.00	509.53	509.88	509.89	509.97	510.05	510.13	510.21	510.29	510.37	510.45	510.53	510.61	510.70	510.70	511.06		

LEGEND:

- A.P.E. APPROACH PAVEMENT ENDS
- B.A. BEGINNING ABUTMENT
- E.A. ENDING ABUTMENT
- A.P.B. APPROACH PAVEMENT BEGINS
- A EDGE OF LEFT SHOULDER
- B ☉ BEAM 1 (TOP OF WEARING SURFACE)
- C ☉ BEAM 2 (TOP OF WEARING SURFACE)
- D ☉ BEAM 3 (TOP OF WEARING SURFACE)
- E ☉ BEAM 4 (TOP OF WEARING SURFACE)
- F ☉ BEAM 5 (TOP OF WEARING SURFACE)
- G ☉ BEAM 6 (TOP OF WEARING SURFACE)
- H EDGE OF RIGHT SHOULDER



CAMBER LAYOUT
(NOT TO SCALE)

NOTES:

1. FOR I-84 WESTBOUND PROFILE GRADE LINE, SEE DWG. NO. ST2-4.
2. TABULATED ELEVATIONS ARE AT TOP OF WEARING SURFACE IN THE FINAL CONDITION.
3. MINIMUM THICKNESS OF THE WEARING SURFACE IS 2". THICKNESS MAY BE INCREASED TO 4" MAXIMUM TO ACHIEVE LONGITUDINAL GRADE.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
 F.J.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84
 BRIDGES
 1032621
 1032622

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 I-84 WESTBOUND
 DECK ELEVATION TABLE

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

CONTRACT NUMBER
 D262100

DRAWING NO. ST2-23
 SHEET NO. 156

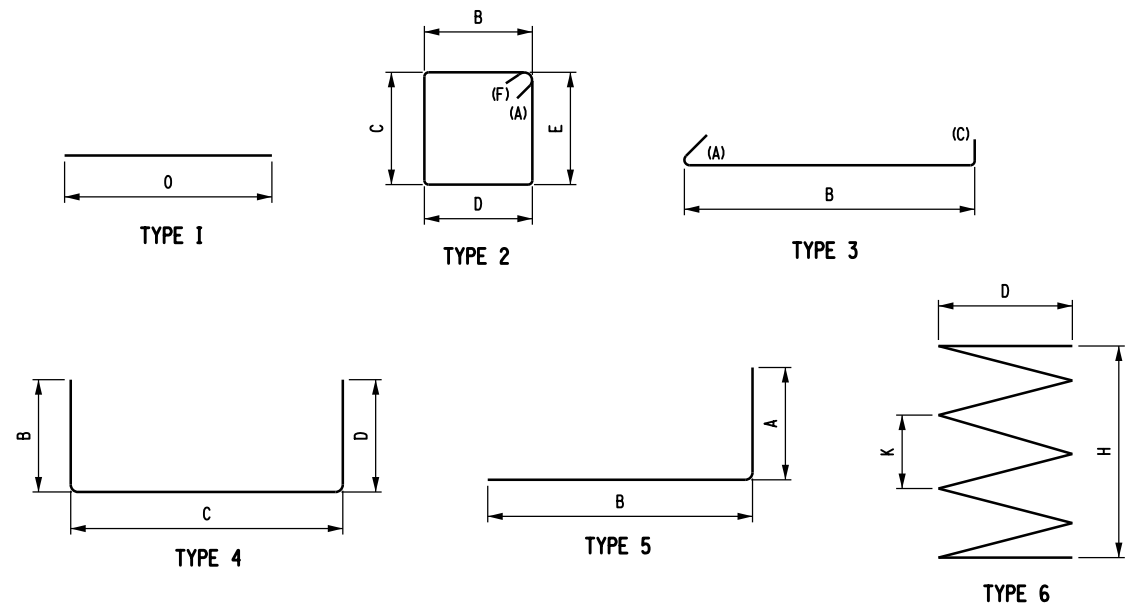
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NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

BAR LIST - WESTBOUND BEGIN ABUTMENT

	MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R	
CAP BEAM	11BAE1	14	21'-6"	1	1599														21'-6"		
	11BAE2	14	49'-6"	1	3682														49'-6"		
	6BAE3	13	45'-6"	1	888														45'-6"		
	6BAE4	5	16'-3"	1	122														16'-3"		
	6BAE5	8	17'-3"	1	207														17'-3"		
	6BAE6	204	17'-10"	2	5464	0'-8"	2'-9"	5'-6"	2'-9"	5'-6"	0'-8"										
	6BAE7	2	15'-6"	2	47	0'-8"	2'-9"	4'-4"	2'-9"	4'-4"	0'-8"										
	5ABE37	2	45'-6"	1	95															45'-6"	
	5ABE38	2	16'-3"	1	34															16'-3"	
5ABE39	88	5'-2"	4	474		2'-0"	1'-2"	2'-0"													
COL 1	8BAE41	56	18'-10 1/4"	5	2819	1'-9"	17'-1 1/4"														
	4BAE9	20	16'-9"	2	224	0'-4 1/2"	4'-0"	4'-0"	4'-0"	4'-0"	4'-1/2"										
	4BAE10	80	4'-9"	3	254	0'-4 1/2"	4'-0"	0'-4 1/2"	4'-0"												
	4BAE11	9	5'-0"	4	30		0'-6"	4'-0"	0'-6"												
COL 2	8BAE42	56	15'-11 3/8"	5	2385	1'-9"	15'-0"														
	4BAE9	16	16'-9"	2	179	0'-4 1/2"	4'-0"	4'-0"	4'-0"	4'-0"	4'-1/2"										
	4BAE10	64	4'-9"	3	203	0'-4 1/2"	4'-0"	0'-4 1/2"	4'-0"												
	4BAE11	9	5'-0"	4	30		0'-6"	4'-0"	0'-6"												
RETAINER WALL	5BA25	7	13'-8"	5	100	3'-0"	10'-8"														
	5BAE26	7	15'-8"	5	114	4'-0"	11'-8"														
	5BA27	8	42'-0"	1	350															43'-0"	
	5BAE28	8	42'-0"	1	350															43'-0"	
	5BA29	9	12'-8"	5	119	3'-0"	9'-8"														
	5BAE30	9	14'-8"	5	138	4'-0"	10'-8"														
	5BA43	7	5'-4 1/4"	1	39															5'-4 1/4"	
	5BAE44	9	5'-4 1/4"	1	50															5'-4 1/4"	
	5BA45	19	6'-4 1/4"	1	126															6'-4 1/4"	
	5BAE46	19	6'-4 1/4"	1	126															6'-4 1/4"	
	5BA47	2	6'-10 1/4"	1	14															6'-10 1/4"	
	5BAE48	2	6'-10 1/4"	1	14															6'-10 1/4"	
	5BA49	23	7'-4 1/4"	1	176															7'-4 1/4"	
	5BAE50	23	7'-4 1/4"	1	176															7'-4 1/4"	
	5BA51	6	8'-4 1/4"	1	52															8'-4 1/4"	
	5BAE52	8	8'-4 1/4"	1	70															8'-4 1/4"	
	5BA53	4	5'-3"	5	22	0'-9"	4'-6"														
	5BAE54	5	5'-3"	5	27	0'-9"	4'-6"														
	5BA55	1	23'-9"	1	25															23'-9"	
	5BAE56	1	23'-9"	1	25															23'-9"	
5BA57	2	7'-2"	4	15		0'-9"	3'-6"	2'-11"													
5BAE58	2	9'-1"	4	19		0'-9"	4'-6"	3'-10"													
TOTAL EPOXY BARS					19,847 LBS. ITEM 556.0202, PER UNIT.																
TOTAL BLACK BARS					1,039 LBS. ITEM 556.0201, PER UNIT.																

DS1	11DS10	44	41'-0"	1	9,585															41'-0"
	6DS2	1	188'-6"	6	284				5'-0"				3'-0"							0'-3"
	6DS11	1	1194'-5"	6	1,795				5'-0"				38'-0"							0'-6"
DS2	11DS12	44	57'-0"	1	8,650															37'-0"
	6DS2	1	188'-6"	6	284				5'-0"				3'-0"							0'-3"
	6DS13	1	1068'-8"	6	1,606				5'-0"				34'-0"							0'-6"



NOTES:

- FOR ABUTMENT DETAILS, SEE DWG. NOS. ST2-12 TO ST2-14.
- FOR DRILLED SHAFT DETAILS, SEE DWG. NO. ST2-10.
- ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS.
- FOR BAR LEGEND, SEE DWG. NO. ST1-24.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
 F.J.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84

BRIDGES 1032621 1032622
 CULVERTS BIN 1032621 BIN 1032622

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 I-84 WESTBOUND BEGIN ABUTMENT BAR LIST

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

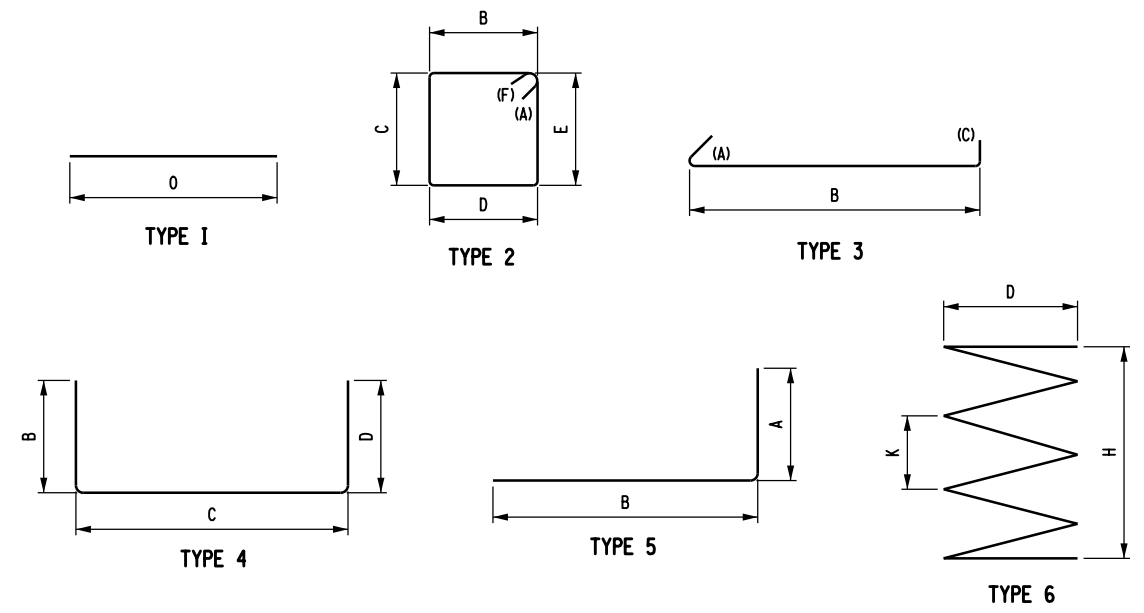
CONTRACT NUMBER: D262100
 DRAWING NO. ST2-24
 SHEET NO. 157

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

BAR LIST - WB END ABUTMENT

	MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R	
CAP BEAM	11BAE1	14	21'-6"	1	1599														21'-6"		
	11BAE2	14	49'-6"	1	3682														49'-6"		
	6BAE3	13	45'-6"	1	888														45'-6"		
	6BAE4	5	16'-3"	1	122														16'-3"		
	6BAE5	8	17'-3"	1	207														17'-3"		
	6BAE6	204	17'-10"	2	5464	0'-8"	2'-9"	5'-6"	2'-9"	5'-6"	0'-8"										
	6BAE7	2	15'-6"	2	47	0'-8"	2'-9"	4'-4"	2'-9"	4'-4"	0'-8"										
COL 1	8BAE59	56	16'-9"	5	2504	1'-9"	15'-0"														
	4BAE9	19	16'-9"	2	213	0'-4 1/2"	4'-0"	4'-0"	4'-0"	4'-0"	4'-1/2"										
	4BAE10	76	4'-9"	3	241	0'-4 1/2"	4'-0"	0'-4 1/2"													
	4BAE11	9	5'-10"	4	30		0'-6"	4'-0"	0'-6"												
COL 2	8BAE60	56	16'-9"	5	2504	1'-9"	15'-0"														
	4BAE9	19	16'-9"	2	213	0'-4 1/2"	4'-0"	4'-0"	4'-0"	4'-0"	4'-1/2"										
	4BAE10	76	4'-9"	3	241	0'-4 1/2"	4'-0"	0'-4 1/2"													
	4BAE11	9	5'-10"	4	30		0'-6"	4'-0"	0'-6"												
RETAINER WALL	5BA25	12	13'-8"	5	171	3'-0"	10'-8"														
	5BAE26	12	15'-8"	5	196	4'-0"	11'-8"														
	5BA27	12	42'-0"	1	526														42'-0"		
	5BAE28	12	42'-0"	1	526														42'-0"		
	5BA29	12	12'-8"	5	159	3'-0"	9'-8"														
	5BAE30	12	14'-8"	5	184	4'-0"	10'-8"														
	5BA61	56	9'-7 1/4"	1	561														10'-5 1/4"		
5BAE62	60	9'-7 1/4"	1	601														10'-5 1/4"			
TOTAL EPOXY BARS					—	19,493 LBS. ITEM 556.0202															
TOTAL BLACK BARS					—	1,416 LBS. ITEM 556.0201															
DS1	11DS14	44	26'-3"	1	6,137															26'-3"	
	6DS2	1	188'-6"	6	284				5'-0"				3'-0"						0'-3"		
	6DS15	1	730'-9"	6	1,098				5'-0"				23'-3"						0'-6"		
DS2	11DS16	44	35'-9"	1	8,357															35'-9"	
	6DS2	1	188'-6"	6	284				5'-0"				3'-0"						0'-3"		
	6DS17	1	1029'-4"	6	1,546				5'-0"				32'-9"						0'-6"		



WESTBOUND - TOTAL

TOTAL EPOXY BARS	—	38,736 LBS. ITEM 556.0202, PER BRIDGE.
TOTAL BLACK BARS	—	2,455 LBS. ITEM 556.0201, PER BRIDGE.

NOTES:

- FOR ABUTMENT DETAILS, SEE DWG. NOS. ST2-17 TO ST2-19.
- FOR DRILLED SHAFT DETAILS, SEE DWG. NO. ST2-10.
- ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS.
- FOR BAR LEGEND, SEE DWG. NO. ST1-24.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	BIN 1032621		I-84 WESTBOUND END ABUTMENT BAR LIST	D262100
	TOWN OF SOUTHEAST		BIN 1032622			DRAWING NO. ST2-25
	COUNTY: PUTNAM					SHEET NO. 158

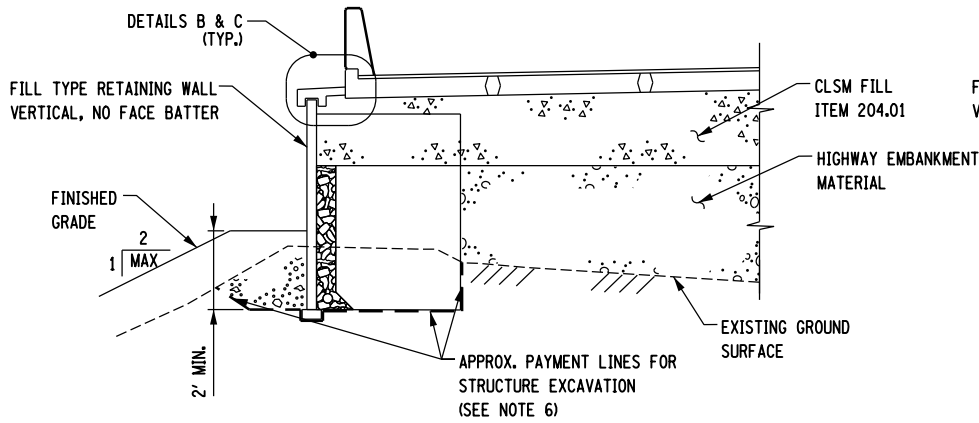
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

5 Penn Plaza, 6th Floor
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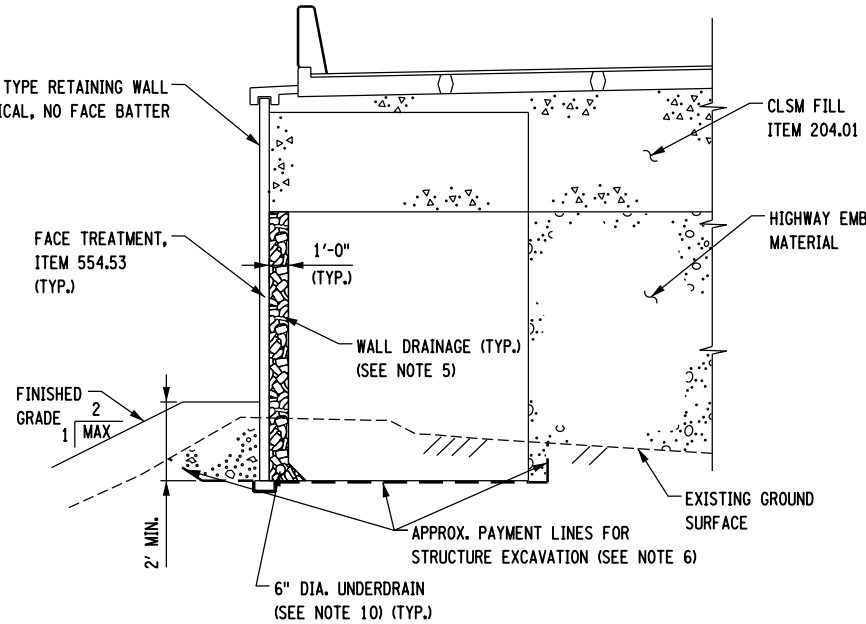
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

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 DATE/TIME = 06-AUG-2012 16:05
 USER = pello

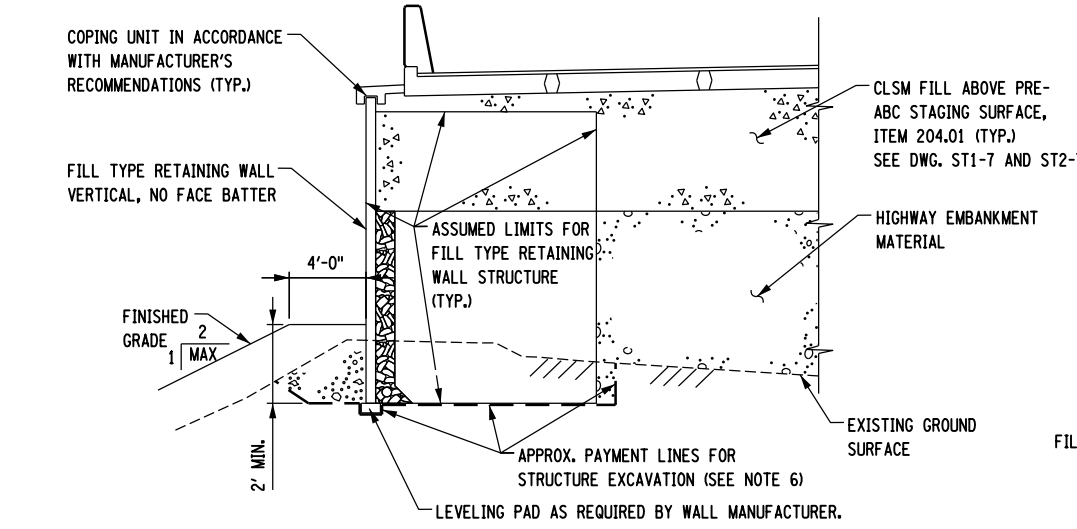
PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING J. JUZWIN
 CHECK M. RIEGEL
 DESIGN J. JUZWIN
 JOB MANAGER B. SIVAKUMAR
 DESIGN SUPERVISOR B. SIVAKUMAR



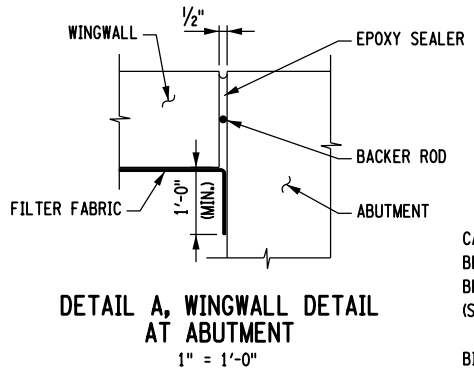
SECTION A-A, TYPICAL WINGWALL SECTION
 WALL HEIGHT UP TO 12'-0"
 1" = 10'-0"



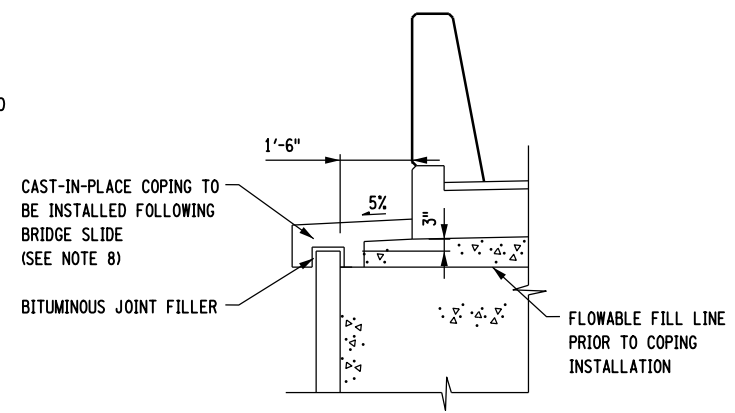
SECTION C-C, TYPICAL WINGWALL SECTION
 WALL HEIGHT GREATER THAN 18'-0" UP TO 24'-0"
 1" = 10'-0"



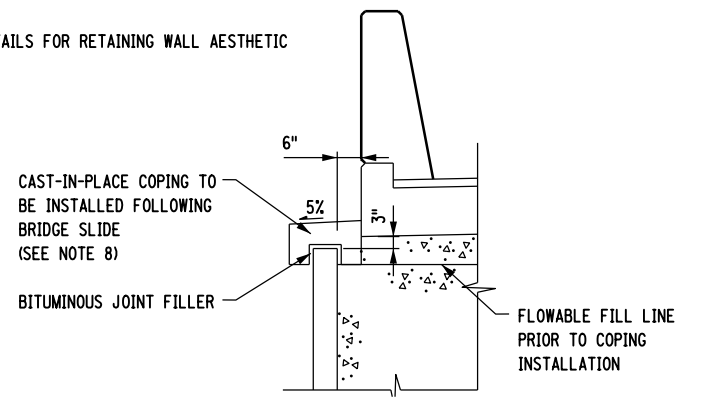
SECTION B-B, TYPICAL WINGWALL SECTION
 WALL HEIGHT GREATER THAN 12'-0" UP TO 18'-0"
 1" = 10'-0"



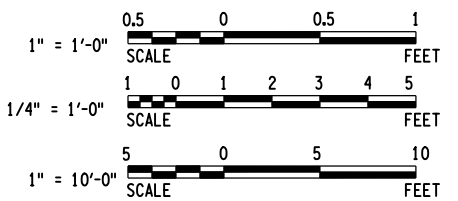
DETAIL A, WINGWALL DETAIL AT ABUTMENT
 1" = 1'-0"



DETAIL B, WINGWALL CLOSURE DETAIL, 18" GAP
 1/4" = 1'-0"



DETAIL C, WINGWALL CLOSURE DETAIL, 6" GAP
 1/4" = 4'-0"



NOTES:

- PRIOR TO THE SUBMISSION OF THE WALL DESIGN PACKAGE TO THE DCETS, THE CONTRACTOR SHALL PRESENT TO THE ENGINEER, FOR CONCEPTUAL APPROVAL, ONE OR MORE ELEVATION VIEWS AND TYPICAL SECTIONS DEPICTING THE TYPE OF WALL SYSTEM, THE LIMITS REQUIRED OF THE WALL ELEMENTS, BACKFILL MATERIAL, WALL DRAINAGE WITH ELEVATIONS AND OUTLET LOCATIONS (IF REQUIRED BY WALL TYPE), TYPE OF WALL FACING, AND ANY DETAILS NEEDED TO ACCOMMODATE OTHER HIGHWAY ELEMENTS. THIS COST SHALL BE INCORPORATED INTO THE BID PRICE OF THE APPLICABLE WALL PAY ITEM, ITEM 554.42 OR 554.43.
- UPON COMPLETION OF THE WALL, THE CONTRACTOR SHALL PROVIDE FIELD REVISION SHEETS, STAMPED BY A PROFESSIONAL ENGINEER, SHOWING (A) TYPE OF WALL SYSTEM AND ITS SUPPLIER (B) ONE OR MORE TYPICAL SECTIONS DETAILING THE WALL'S ELEMENTS AND SPECIAL DETAILS (C) ELEVATION AND PLAN VIEWS DETAILING THE WALL'S ACTUAL LIMITS AND ELEVATIONS (D) OFFSET OF WALL'S TOE TO THE ROADWAY CENTERLINE. THIS COST SHALL BE INCORPORATED INTO THE BID PRICE OF THE APPLICABLE WALL PAY ITEM, ITEM 554.42 OR 554.43.
- WALL DESIGN COMPUTATIONS SHALL INCLUDE A 250 PSF SURCHARGE ALONG THE FULL LENGTH OF WALL.
- THE WALL SYSTEM SHALL ACCOMMODATE FLUID PRESSURES DURING PLACEMENT OF THE FLOWABLE FILL (CLSM), AND SHALL PREVENT LEAKAGE OF THE FLOWABLE FILL THROUGH THE WALL FACE UNITS. PLACEMENT OF THE FLOWABLE FILL MAY REQUIRE SMALL LIFTS THAT ARE ALLOWED TO CURE BETWEEN SUCCESSIVE POURS. UPON CURING, THE FLOWABLE FILL SHALL BE ASSUMED TO FUNCTION AS A HIGH FRICTION, SANDY SOIL.
- MATERIAL WITH TYPE 1 GRADATION MEETING THE REQUIREMENTS OF SECTION 733-20 SHALL BE UTILIZED AS PART OF THE WALL'S BACKFILL DRAINAGE AND SHALL BE PLACED AS A CONTINUOUS, NARROW COLUMN INSIDE OR BEHIND THE WALL FACE UNITS/PANELS. THIS COST SHALL BE INCORPORATED INTO THE BID PRICE OF THE WALL PAY ITEM.
- PAY LIMITS VARY FOR STRUCTURE EXCAVATION OF FILL TYPE RETAINING WALLS, DEPENDENT ON THE TYPE OF WALL CHOSEN BY THE CONTRACTOR. REFER TO STANDARD SHEET 554-01 FOR CLARIFICATION OF EXCAVATION PAY LIMITS.
- REFER TO STANDARD SHEET 554-01 FOR ADDITIONAL DETAILS.
- DEPENDENT ON THE WALL TYPE CHOSEN, THE CONTRACTOR SHALL PROVIDE A DESIGN FOR A CAST IN PLACE CONCRETE COPING TO BE CONSTRUCTED FOLLOWING THE BRIDGE SLIDE. THIS COPING SHALL CLOSE THE GAP BETWEEN THE FACE OF THE FILL TYPE RETAINING WALLS AND THE SIDE OF THE APPROACH SLAB, PREVENTING WATER FROM PENETRATING THE TOP OF THE RETAINING WALL AND PROVIDING A MINIMUM COVER OF 4" OVER THE ABUTMENT CLSM FLOWABLE FILL. THE DESIGN SHALL BE SUBMITTED WITH THE WALL DESIGN PACKAGE, AND COSTS SHALL BE INCORPORATED INTO THE BID PRICE OF THE APPLICABLE WALL PAY ITEM, ITEM 554.42 OR 554.43.
- LIMITS OF THE CLSM FLOWABLE FILL, ITEM 204.01, CAN ENCOMPASS THE UPPER BACKFILL AREA OF THE WINGWALL OR CAN BE TERMINATED AT THE REAR EDGE OF THE WINGWALL'S BACKFILL.
- THE CONTRACTOR SHALL PROVIDE A 6 INCH DIAMETER UNDERDRAIN AT THE BASE OF THE DRAINAGE COLUMN MEETING THE MINIMUM CLEARANCE REQUIREMENTS OF STANDARD SHEET 554-01, DETAIL C. THE UNDERDRAIN SHALL OUTLET INTO THE ABUTMENT BREASTWALL DRAINAGE COLUMN. ACTUAL LOCATION OF UNDERDRAIN MAY VARY, AS DETERMINED BY THE REQUIREMENTS OF THE CHOSEN WALL TYPE.
- SEE HIGHWAY MISCELLANEOUS DETAILS FOR RETAINING WALL AESTHETIC TREATMENT DETAILS.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		FILL TYPE RETAINING WALL DETAILS	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST-26
	COUNTY: PUTNAM					SHEET NO. 159

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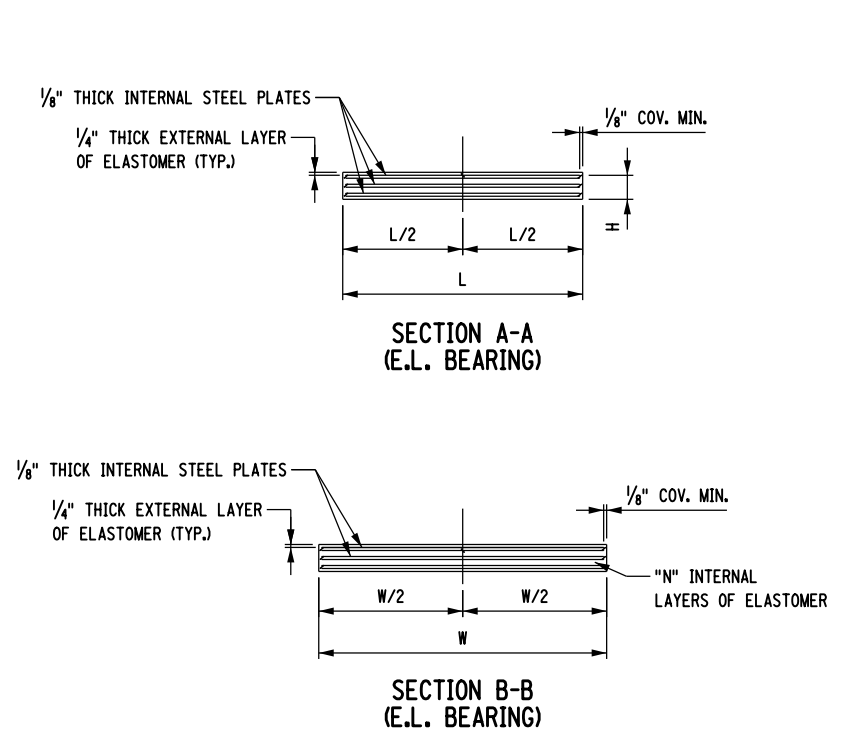
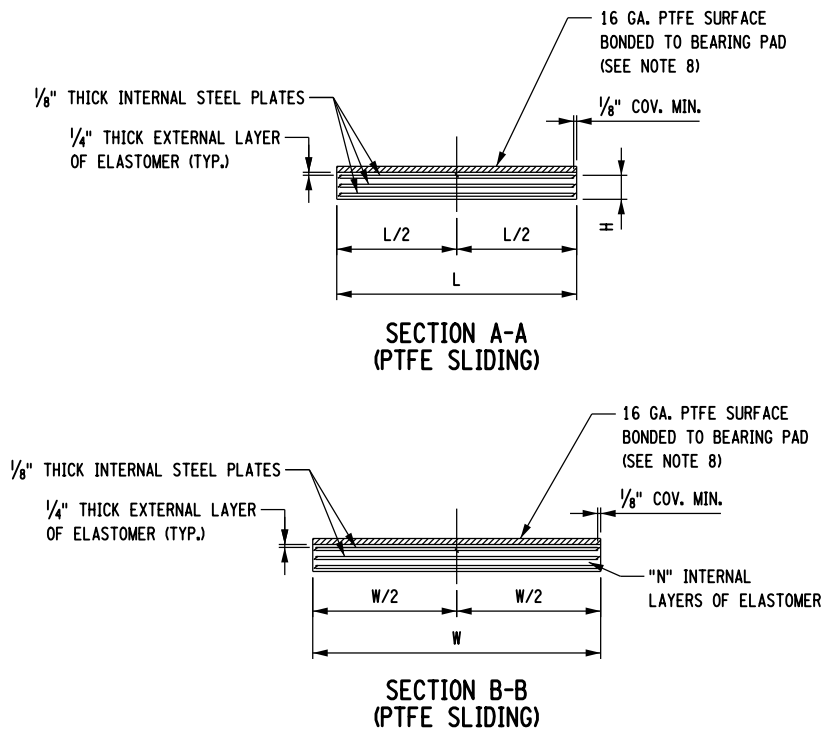
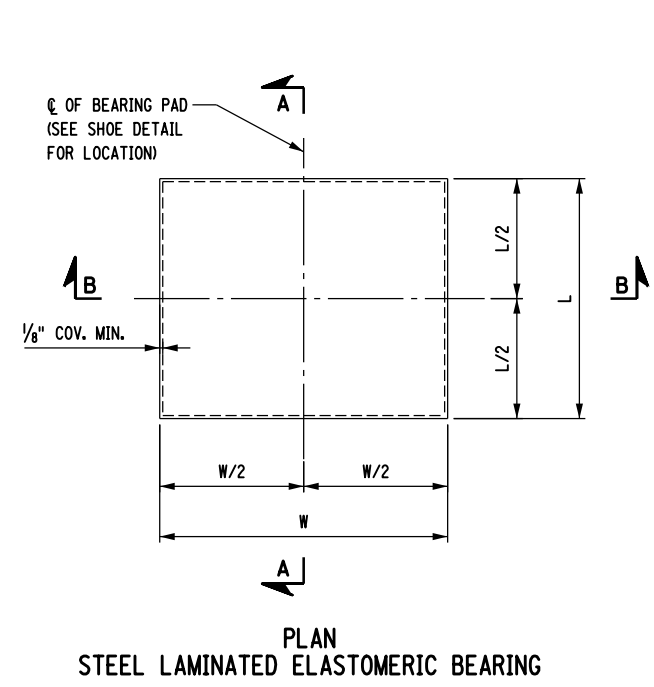
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:



CONTRACT NUMBER	D262100
DRAWING NO.	ST-26
SHEET NO.	159

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 DATE/TIME = 06-AUG-2012 16:05
 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN G. HARRELL
 CHECK F. PADILLA
 DRAFTING F. PADILLA
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



- NOTES:**
- THE BEARINGS SHALL MEET THE SPECIFICATIONS OF N.Y.S. STANDARD SPECIFICATION SECTION 565 UNLESS OTHERWISE NOTED.
 - PTFE SLIDING BEARING WILL BE PAID FOR UNDER ITEM 565.14210008.
 - ELASTOMERIC BEARINGS LOCATED ON END DIAPHRAGMS WILL BE PAID FOR UNDER ITEM 565.1922.
 - ALL ELASTOMER SHALL BE 50 DUROMETER HARDNESS ON THE SHORE A SCALE.
 - THE MAXIMUM VARIATION FROM PERFECT ALIGNMENT UNDER FULL DEAD LOAD SHALL NOT EXCEED 3/16". THIS VARIATION SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CENTERLINE OF THE HIGHEST ELASTOMER SURFACE AND THE CENTERLINE OF THE LOWEST ELASTOMER SURFACE.
 - CONCRETE SURFACES UNDER THE BEARINGS SHALL CONFORM TO SUBSECTION 565-3.02 "CONCRETE BEARING SURFACE PREPARATION" OF THE N.Y.S. STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS.
 - ALL EXTERNAL ELASTOMER LAYERS ARE ONE-HALF THE THICKNESS OF THE INTERNAL ELASTOMER LAYERS.
 - PTFE SHALL BE BONDED TO ELASTOMERIC BEARING PAD WITH EPOXY RESIN ADHESIVE MEETING THE REQUIREMENTS OF ASTM D6412.



STEEL LAMINATED ELASTOMERIC BEARING TABLE (BEAM BEARINGS)

LOCATION	ITEM NO.	QUANTITY REQUIRED	D.L. + S.D.L. (KIPS)	L.L. WITHOUT IMPACT (KIPS)	TOTAL DESIGN REACTION (KIPS)	SHAPE FACTOR	INTERNAL ELASTOMER LAYER (IN.)				HRT (IN.)	COMP. AREA (SQ. IN.)	SHEAR. AREA (SQ. IN.)	BRG. H (IN.)	ANCHOR DOWEL DIAMETER (IN.)
							THK/LAYER	NO. LAYERS	L	W					
BEG. ABUTMENT E.B.	565.1922	12	44.0	42.7	86.7	6.2	1/2	2	16	10	1/2	153.6	160.0	1 7/8	---
END. ABUTMENT E.B.	565.1922	12	44.0	42.7	86.7	6.2	1/2	2	16	10	1/2	153.6	160.0	1 7/8	---
BEG. ABUTMENT W.B.	565.1922	12	44.0	42.7	86.7	6.2	1/2	2	16	10	1/2	153.6	160.0	1 7/8	---
END. ABUTMENT W.B.	565.1922	12	44.0	42.7	86.7	6.2	1/2	2	16	10	1/2	153.6	160.0	1 7/8	---

PTFE SLIDING, STEEL LAMINATED ELASTOMERIC BEARING TABLE (SLIDE SHOE BEARINGS)

LOCATION	ITEM NO.	QUANTITY REQUIRED	D.L. + S.D.L. (KIPS)	L.L. WITHOUT IMPACT (KIPS)	TOTAL DESIGN REACTION (KIPS)	SHAPE FACTOR	INTERNAL ELASTOMER LAYER (IN.)				HRT (IN.)	COMP. AREA (SQ. IN.)	SHEAR. AREA (SQ. IN.)	BRG. H (IN.)	FRICTION COEFFICIENT	ANCHOR DOWEL DIAMETER (IN.)
							THK/LAYER	NO. LAYERS	L	W						
BEG. ABUTMENT E.B.	565.14210008	12	75.3	38.5	113.8	6.7	1/2	2	12	15	1/2	173.3	180.0	1 7/8	7%	---
END. ABUTMENT E.B.	565.14210008	12	75.3	38.5	113.8	6.7	1/2	2	12	15	1/2	173.3	180.0	1 7/8	7%	---
BEG. ABUTMENT W.B.	565.14210008	12	75.3	38.5	113.8	6.7	1/2	2	12	15	1/2	173.3	180.0	1 7/8	7%	---
END. ABUTMENT W.B.	565.14210008	12	75.3	38.5	113.8	6.7	1/2	2	12	15	1/2	173.3	180.0	1 7/8	7%	---

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: ON:

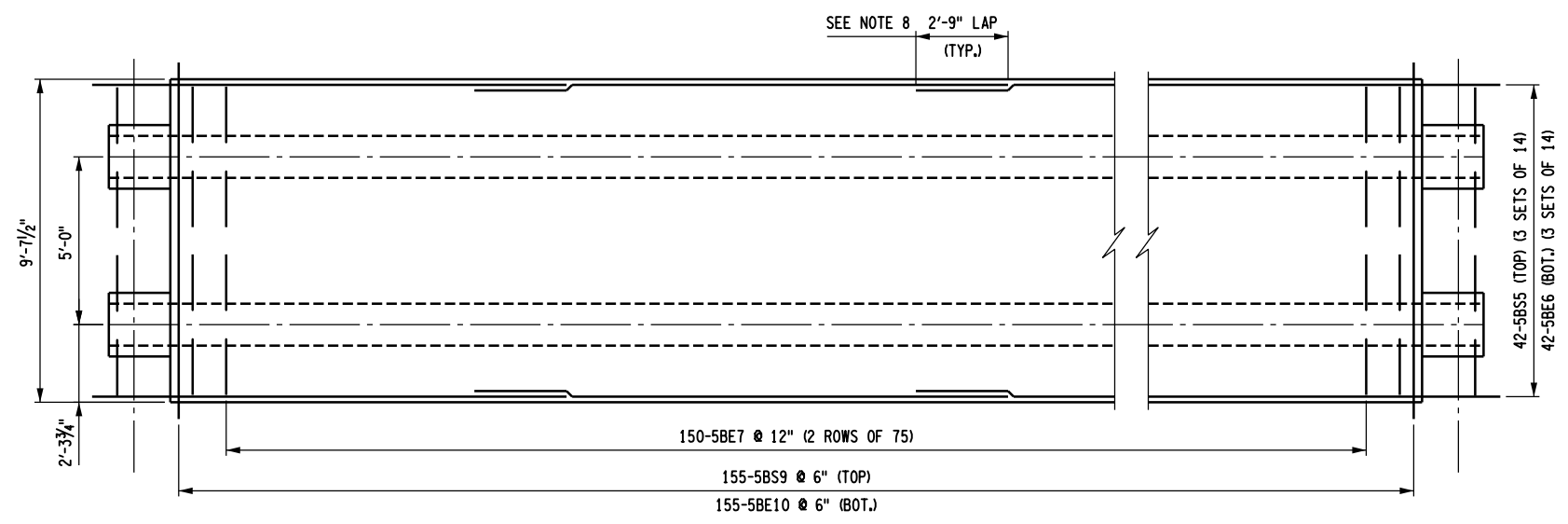
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		BEARING PAD DETAILS	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST-27
	COUNTY: PUTNAM					SHEET NO. 160

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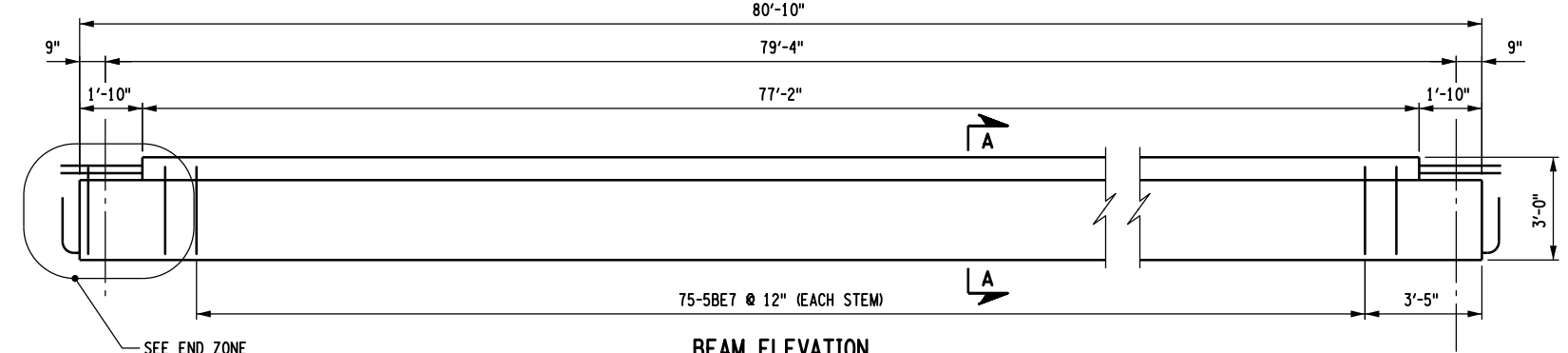
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 USER = pella

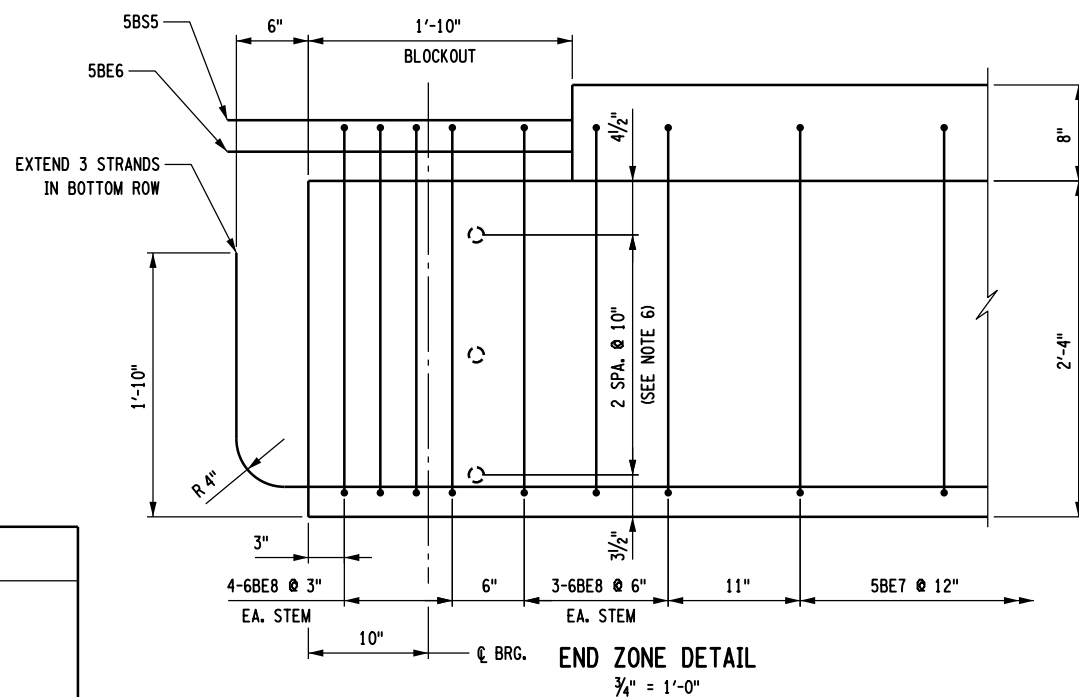
DESIGN SUPERVISOR: B. SIVAKUMAR
 JOB MANAGER: B. SIVAKUMAR
 DESIGN: G. HARRELL
 CHECK: F. PADILLA
 DRAFTING: F. PADILLA
 CHECK: S. LIN
 PROJECT MANAGER: B. SIVAKUMAR



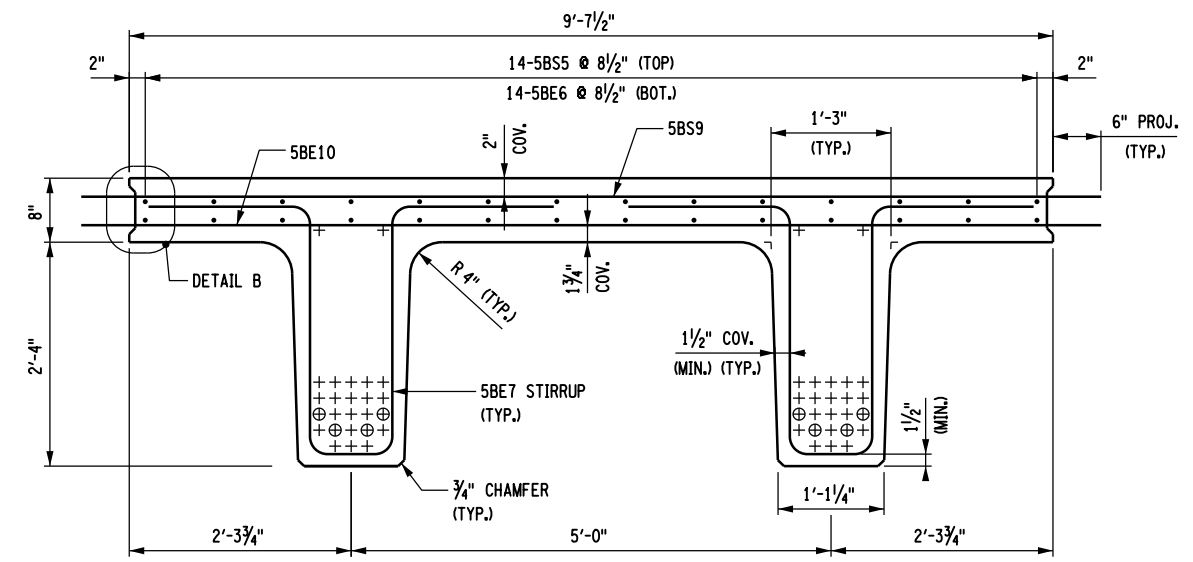
BEAM PLAN
 $\frac{3}{16}'' = 1'-0''$



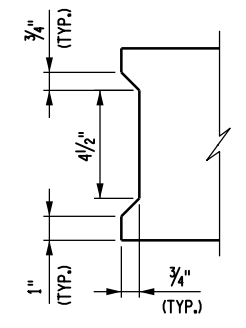
BEAM ELEVATION
 $\frac{3}{16}'' = 1'-0''$



END ZONE DETAIL
 $\frac{3}{4}'' = 1'-0''$



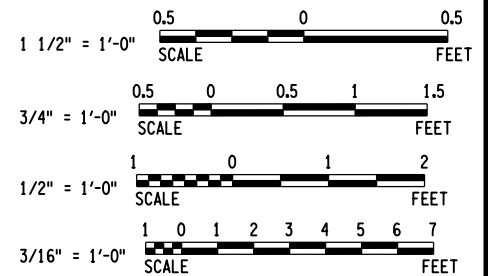
SECTION A-A
 (BEAMS B2 TO B5)
 $\frac{1}{2}'' = 1'-0''$



DETAIL B
 $\frac{1}{2}'' = 1'-0''$

NOTES:

1. PRECAST PRESTRESSED BEAMS ARE BASED ON PCINE NEXT "D" BEAM DETAILS.
2. ALL EXPOSED CORNERS, EXCEPT TOP FLANGE CORNERS, SHALL BE CHAMFERED $\frac{3}{4}''$.
3. EPOXY COATED BAR REINFORCEMENT SHALL BE ASTM A615, GRADE 60. STAINLESS STEEL BAR REINFORCEMENT SHALL BE ASTM 955, GRADE 60.
4. FOR NEXT BEAM BAR BENDING DIAGRAMS AND BAR LISTS, SEE DWG. NO. ST-43.
5. FOR PRESTRESSING DETAILS, DESIGN LOAD AND CAMBER TABLES, SEE DWG. NO. ST-30.
6. 1" HOLES FORMED WITH NON-RIGID TUBING. FOR REINFORCEMENT GOING THROUGH, SEE DWG. NO. ST-32. NON-RIGID TUBING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 563.00010108.
7. ALL TEMPORARY INSERTS SHALL BE APPROVED BY THE DEPUTY CHIEF ENGINEER (STRUCTURES) AND DETAILED ON THE PRESTRESSED CONCRETE "WORKING DRAWINGS".
8. SPLICES IN ADJACENT BARS 5BS4 AND 5BE5 SHALL BE STAGGERED 5'-0" LONGITUDINALLY.
9. ALL CONCRETE, PRESTRESSING STRANDS, STAINLESS STEEL REINFORCEMENT, AND EPOXY-COATED REINFORCEMENT FOR INTERIOR BEAMS SHALL BE PAID FOR UNDER ITEM 563.00010108.
10. TOP FLANGE REINFORCEMENT IN BEAMS AND CLOSURE POURS SHALL BE STAINLESS STEEL. ALL OTHER REINFORCEMENT IN BEAMS AND CLOSURE POURS SHALL BE EPOXY COATED.
11. 28 DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE F'C = 10,000 PSI.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84			INTERIOR (TYPE 1) BEAM DETAILS	DRAWING NO. ST-28
	TOWN OF SOUTHEAST					SHEET NO. 161
	COUNTY: PUTNAM					

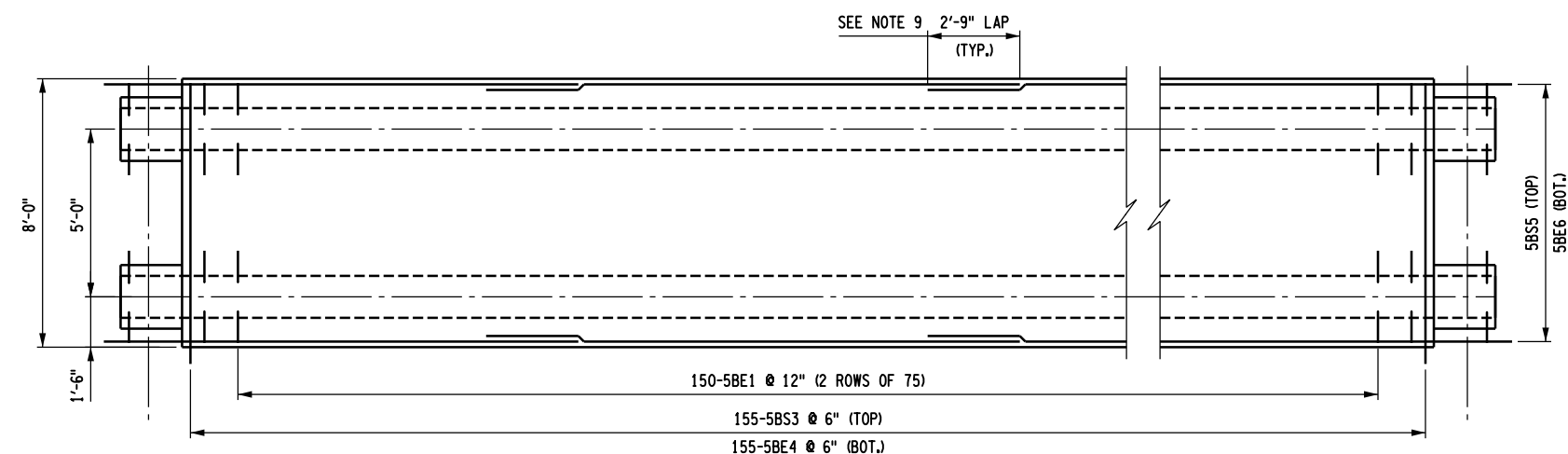
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HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

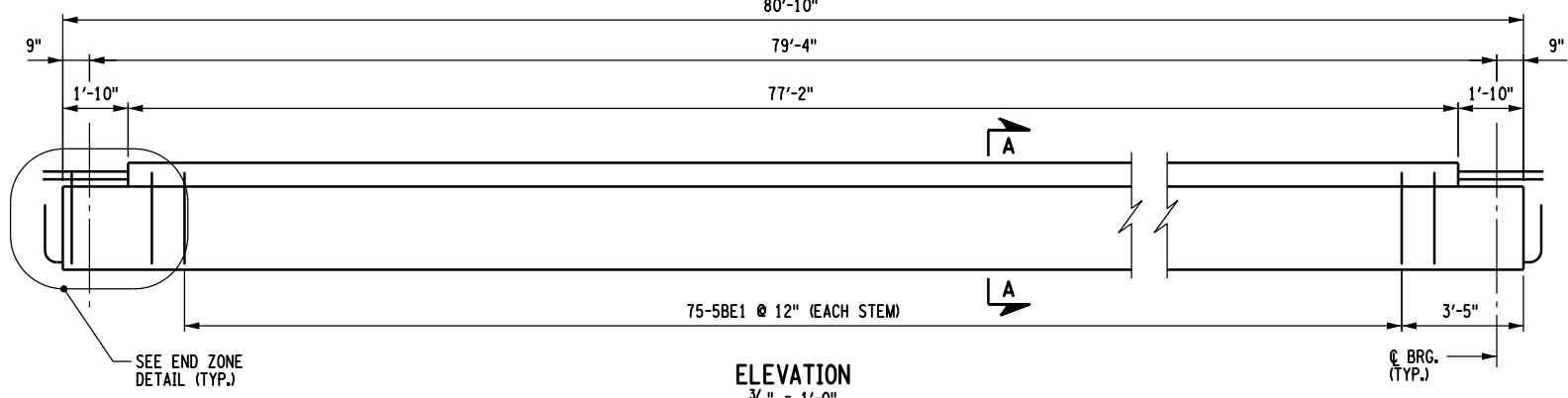
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

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 DATE/TIME = 06-AUG-2012 16:06
 USER = pello

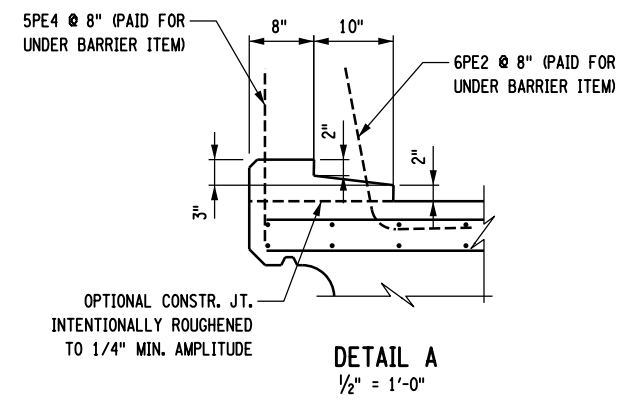
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN G. HARRELL
 CHECK F. PADILLA
 DRAFTING F. PADILLA
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



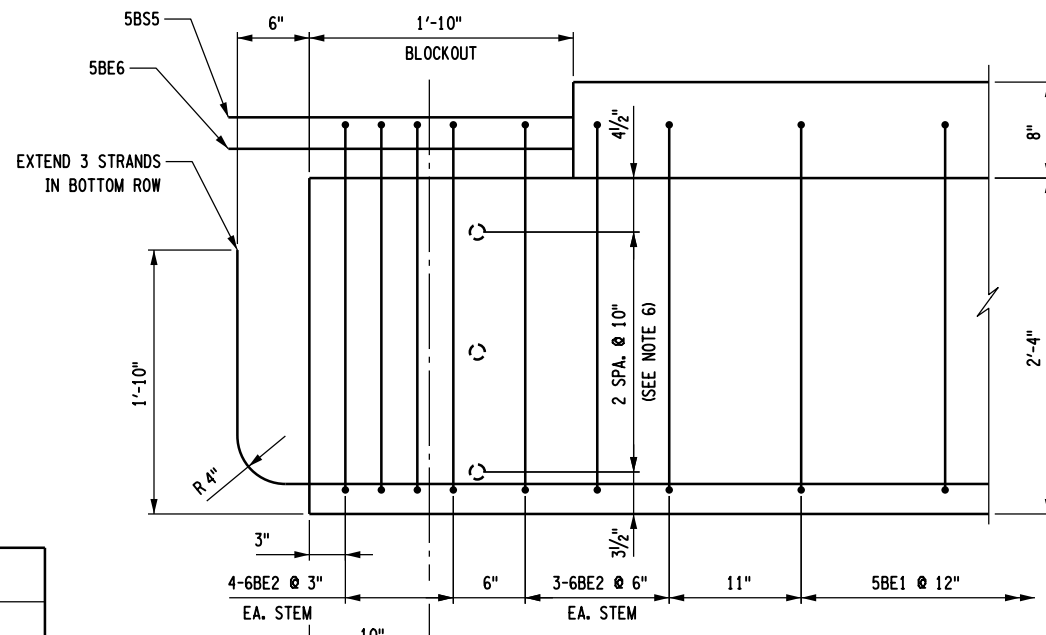
PLAN
 $\frac{3}{16}'' = 1'-0''$



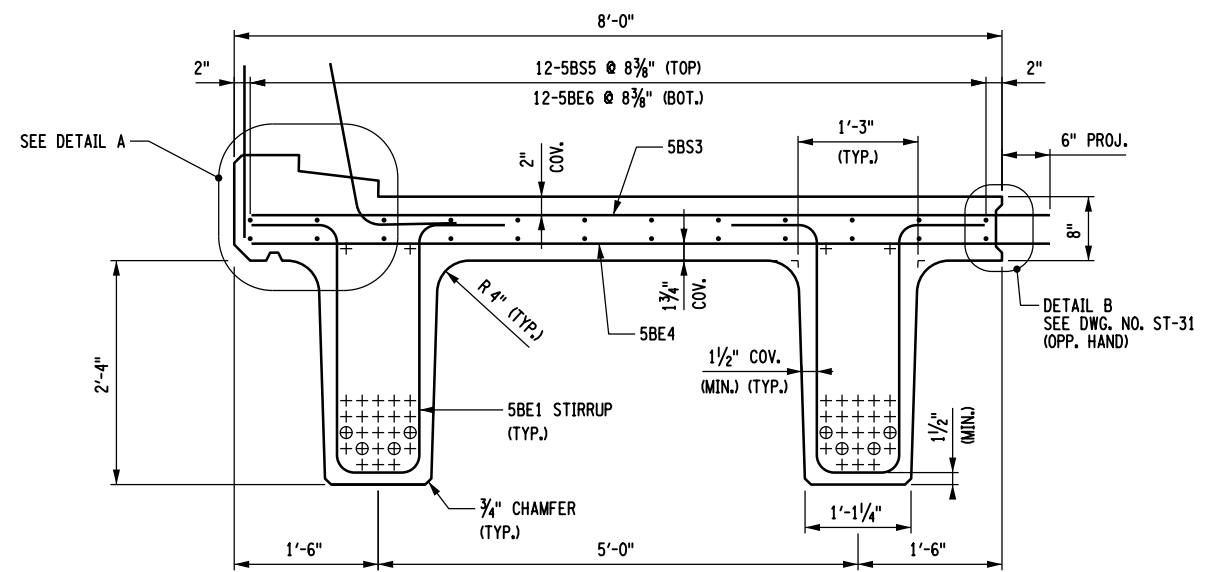
ELEVATION
 $\frac{3}{16}'' = 1'-0''$



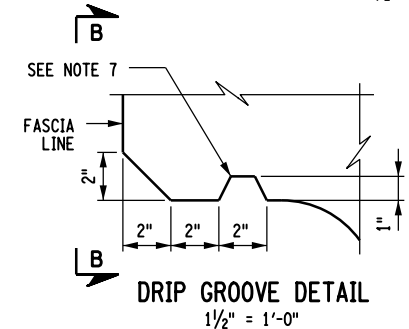
DETAIL A
 $\frac{1}{2}'' = 1'-0''$



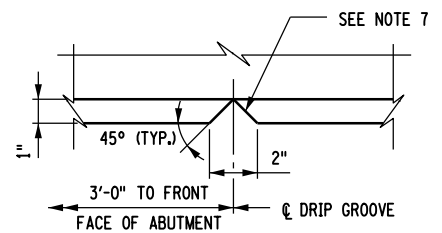
END ZONE DETAIL
 $\frac{3}{4}'' = 1'-0''$



SECTION A-A
 (BEAM B1 SHOWN, BEAM B6 OPPOSITE HAND)
 $\frac{1}{2}'' = 1'-0''$



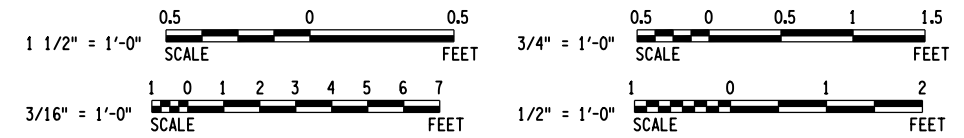
DRIP GROOVE DETAIL
 $\frac{1}{2}'' = 1'-0''$



SECTION B-B
 $\frac{1}{2}'' = 1'-0''$

NOTES:

1. PRECAST PRESTRESSED BEAMS ARE BASED ON PCINE NEXT "D" BEAM DETAILS.
2. ALL EXPOSED CORNERS SHALL BE CHAMFERED $\frac{3}{4}''$.
3. EPOXY COATED BAR REINFORCEMENT SHALL BE ASTM A615, GRADE 60. STAINLESS STEEL BAR REINFORCEMENT SHALL BE ASTM A955, GRADE 60.
4. FOR NEXT BEAM BAR BENDING DIAGRAM AND BAR LISTS, SEE DWG. NO. ST-43.
5. FOR PRESTRESSING DETAILS, DESIGN LOAD AND CAMBER TABLES, SEE DWG. NO. ST-30.
6. 1" HOLES FORMED WITH NON-RIGID TUBING. FOR REINFORCEMENT GOING THROUGH, SEE DWG. NO. ST-32. NON-RIGID TUBING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 563.00010208.
7. DRIP GROOVE TO END 3'-0" FROM FACES OF ABUTMENTS WITH A 90° TURN TOWARD FASCIA. GROOVE CONTINUES TO INTERSECTION WITH THE CHAMFER.
8. SPLICES IN ADJACENT BARS 5BS4 AND 5BE5 SHALL BE STAGGERED 5'-0" LONGITUDINALLY.
9. ALL CONCRETE PRESTRESSING STRANDS, STAINLESS STEEL REBAR, AND EPOXY COATED REBAR IN EXTERIOR BEAMS SHALL BE PAID FOR UNDER ITEM 563.00010208.
10. TOP FLANGE REINFORCEMENT IN BEAMS AND CLOSURE POURS SHALL BE STAINLESS STEEL. ALL OTHER REINFORCEMENT IN BEAMS AND CLOSURE POURS SHALL BE EPOXY COATED.
11. ALL TEMPORARY INSERTS SHALL BE APPROVED BY THE DEPUTY CHIEF ENGINEER (STRUCTURES) AND DETAILED ON THE PRESTRESSED CONCRETE "WORKING DRAWINGS".
12. FOR BARRIER DETAILS, SEE DWG. NO. ST-40.
13. 28 DAY COMPRESSIVE STRENGTH OF CONCRETE SHALL BE F'C = 10,000 PSI.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		EXTERIOR (TYPE 2) BEAM DETAILS
	TOWN OF SOUTHEAST				
	COUNTY: PUTNAM				

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

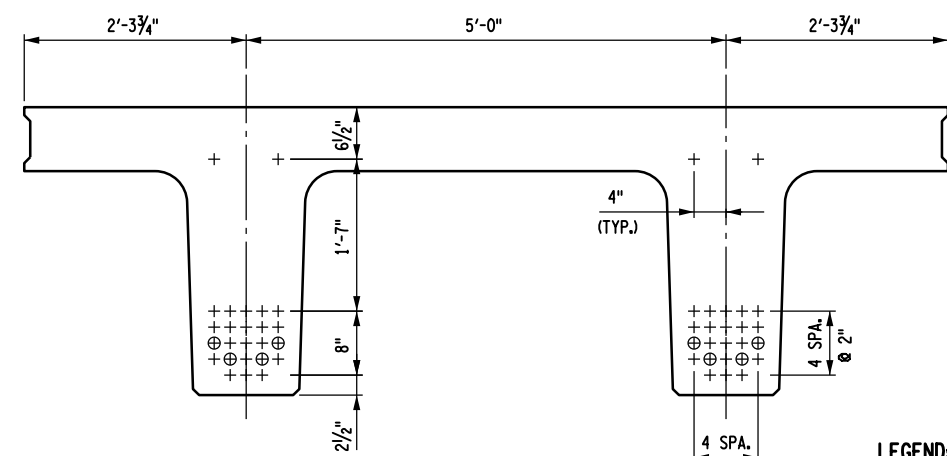
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DRAWING NO.	ST-29
SHEET NO.	162

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:



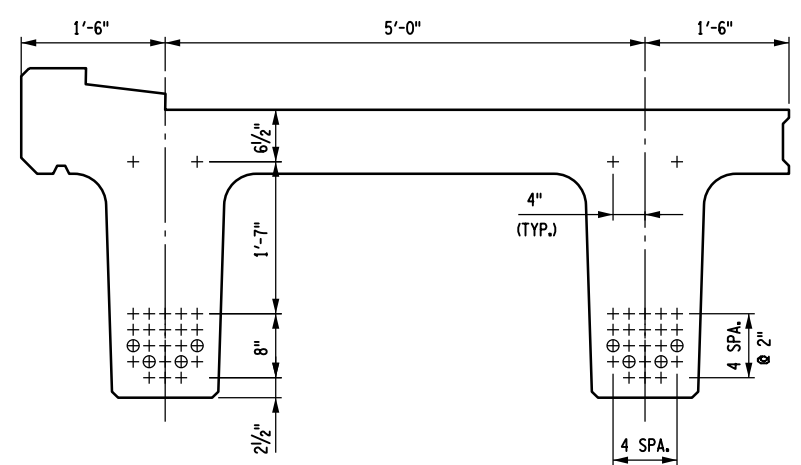
FILE NAME = 06nyw006dep1focadd045737 TRB@Phase 4 Dingle Ridge Road0806210.opb_ST-30_dfl_cfe_NEXT_dfls.dgn
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 JOB MANAGER B. SIVAKUMAR
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 PROJECT MANAGER B. SIVAKUMAR



TYPE 1 BEAM STRAND LAYOUT

LEGEND:
 + DENOTES STRAIGHT STRANDS
 ⊕ DENOTES DEBONDED STRANDS



TYPE 2 BEAM STRAND LAYOUT

PRESTRESSING NOTES:

1. THE PRESTRESSING STRANDS SHALL BE 0.6" DIAMETER WITH A GUARANTEED ULTIMATE STRENGTH OF 270 KSI.
2. JACKING FORCE = 43.8 KIPS PER STRAND.

REQUIRED MINIMUM CONCRETE STRENGTH AT TRANSFER = 8 KSI.

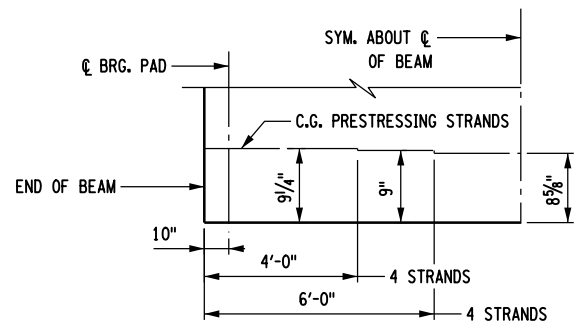
REQUIRED MINIMUM CONCRETE STRENGTH FOR ACCEPTANCE = 10 KSI.
3. THE ALLOWABLE TENSION IN THE PRESTRESSED CONCRETE UNITS:

AT TRANSFER = 0.20 KSI
AT SERVICE LIMIT STATE = 0.30 KSI
4. THE CONTRACTOR MAY PROPOSE DEBONDING OR PRETENSIONING STRANDS FOR 6 INCHES FROM ENDS OF BEAMS TO REDUCE THE TENDENCY FOR BEAM ENDS TO CRACK. TOTAL NUMBER OF DEBONDED STRANDS (DESIGN BONDING SHOWN ON THE CONTRACT PLANS AND CRACK CONTROL DEBONDING COMBINED) SHALL NOT EXCEED 50% OF TOTAL NUMBER OF STRANDS.

CAMBER NOTES:

1. TABULATED CAMBER VALUES ARE MEASURED IN INCHES AND REPRESENT COMPUTED DEFLECTION AT MIDSPAN.
2. TO THE EXTENT PRACTICAL, FABRICATION OF BEAMS WITHIN A GIVEN SPAN SHALL BE SCHEDULED SUCH THAT CURING CONDITIONS, CURING PROCEDURES, SUPPORT POINTS IN STORAGE, TIME TO SHIPPING, AND TIME TO ERECTION ARE SIMILAR TO MINIMIZE POTENTIAL FOR DIFFERENCES IN CAMBER BETWEEN ADJACENT BEAMS IN THE FIELD.
3. IN ADDITION TO THE REQUIREMENTS OF THE PCCM, SHOP DRAWING SUBMITTALS FOR THE PRETENSIONED BEAMS SHALL INCLUDE A PROCEDURE FOR CONTROLLING AND MONITORING CAMBER PRIOR TO SHIPPING.

CAMBER TABLE		
	TYPE 1 BEAM	TYPE 2 BEAM
CAMBER DUE TO PRESTRESSED FORCE AND BEAM D.L. (WITHOUT GROWTH) @ TRANSFER	↑ 1.88	1.95
DEFLECTION DUE TO SUPER IMPOSED D.L.	↓ 0.33	0.33
TOTAL CAMBER	↑ 1.55	1.62



SCHEMATIC DETAIL FOR DEBONDED STRANDS
 NOT TO SCALE

DESIGN LOAD TABLE (TYPE 1 BEAM)			
	UNIT	REACTION AT END DIAPHRAGM (KIPS)	MOMENT AT MIDSPAN (KIP*FT)
D.L.	BEAM	70.9	1405.4
	JOINT	2.0	39.3
S.D.L.	BARRIER	7.9	157.3
	WEARING SURFACE	7.1	141.6
L.L.	HL-93	105.5	1480.1
	PERMIT	161.5	1969.3

• SEE DISTRIBUTION FACTOR TABLE AND NOTES.

DESIGN LOAD TABLE (TYPE 2 BEAM)			
	UNIT	REACTION AT END DIAPHRAGM (KIPS)	MOMENT AT MIDSPAN (KIP*FT)
D.L.	BEAM	64.4	1277.6
	JOINT	1.0	19.7
S.D.L.	BARRIER	7.9	157.3
	FUTURE W.S.	7.1	141.6
L.L.	HL-93	96.5	1327.8
	PERMIT	154.5	1923.0

• SEE DISTRIBUTION FACTOR TABLE AND NOTES.

DISTRIBUTION FACTORS FOR LIVE LOAD (TYPE 1 BEAM)		
DESIGN LOAD	SHEAR	MOMENT
HL-93	0.960	0.729
PERMIT	0.765	0.510

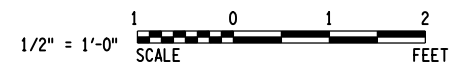
TYPE 1 BEAM DISTRIBUTION FACTOR NOTES:

1. FACTORS ARE BASED ON AASHTO EQUATIONS AND INCLUDE MULTIPLE PRESENCE.
2. PERMIT LOAD FACTORS ARE FOR A SINGLE LANE LOADED, INCLUDING MULTIPLE PRESENCE, AS REQUIRED BY NYS DOT LRFD BRIDGE DESIGN SPECIFICATIONS.

DISTRIBUTION FACTORS FOR LIVE LOAD (TYPE 2 BEAM)		
DESIGN LOAD	SHEAR	MOMENT
HL-93	0.878	0.654
PERMIT	0.732	0.510

TYPE 2 BEAM DISTRIBUTION FACTOR NOTES:

1. SHEAR FACTORS ARE BASED ON THE LEVER RULE WITH THE ASSUMED HINGE POINT AT THE CENTERLINE OF THE ADJACENT INTERIOR BEAM. MULTIPLE PRESENCE FACTOR OF 1.2 IS INCLUDED FOR HL-93.
2. MOMENT FACTORS FOR HL-93 AND PERMIT ARE BASED ON REFINED ANALYSIS. PERMIT INCLUDES HL-93 IN THE ADJACENT LANE, IN ACCORDANCE WITH NYS DOT LRFD BRIDGE DESIGN SPECIFICATIONS.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:			
	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622
	TOWN OF SOUTHEAST		
	COUNTY: PUTNAM		

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TYPE 1 AND TYPE 2 BEAM DETAILS

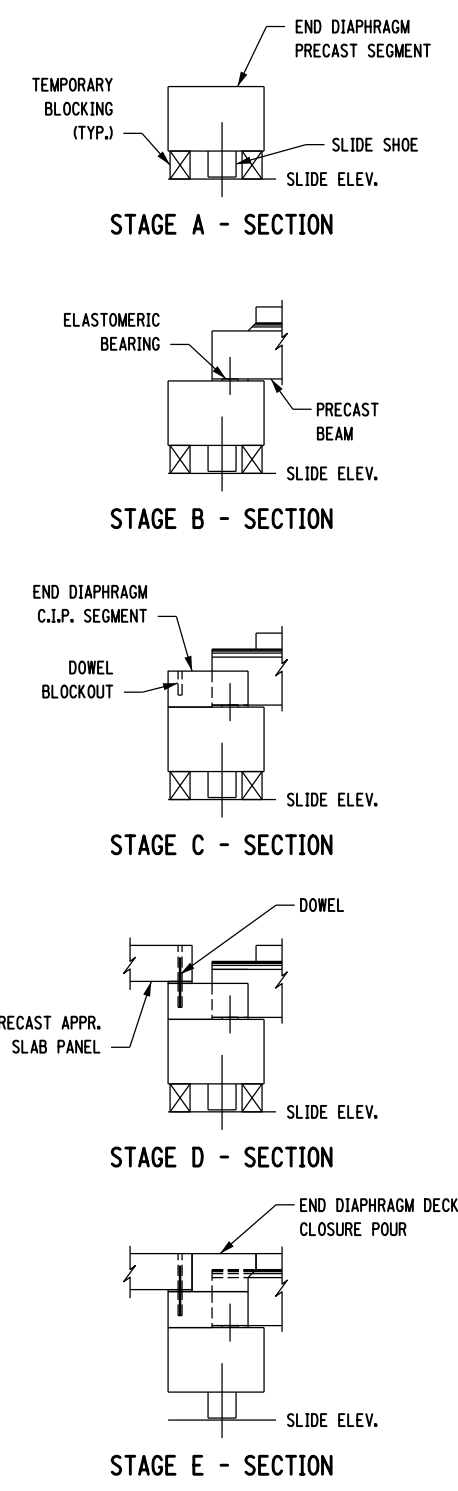
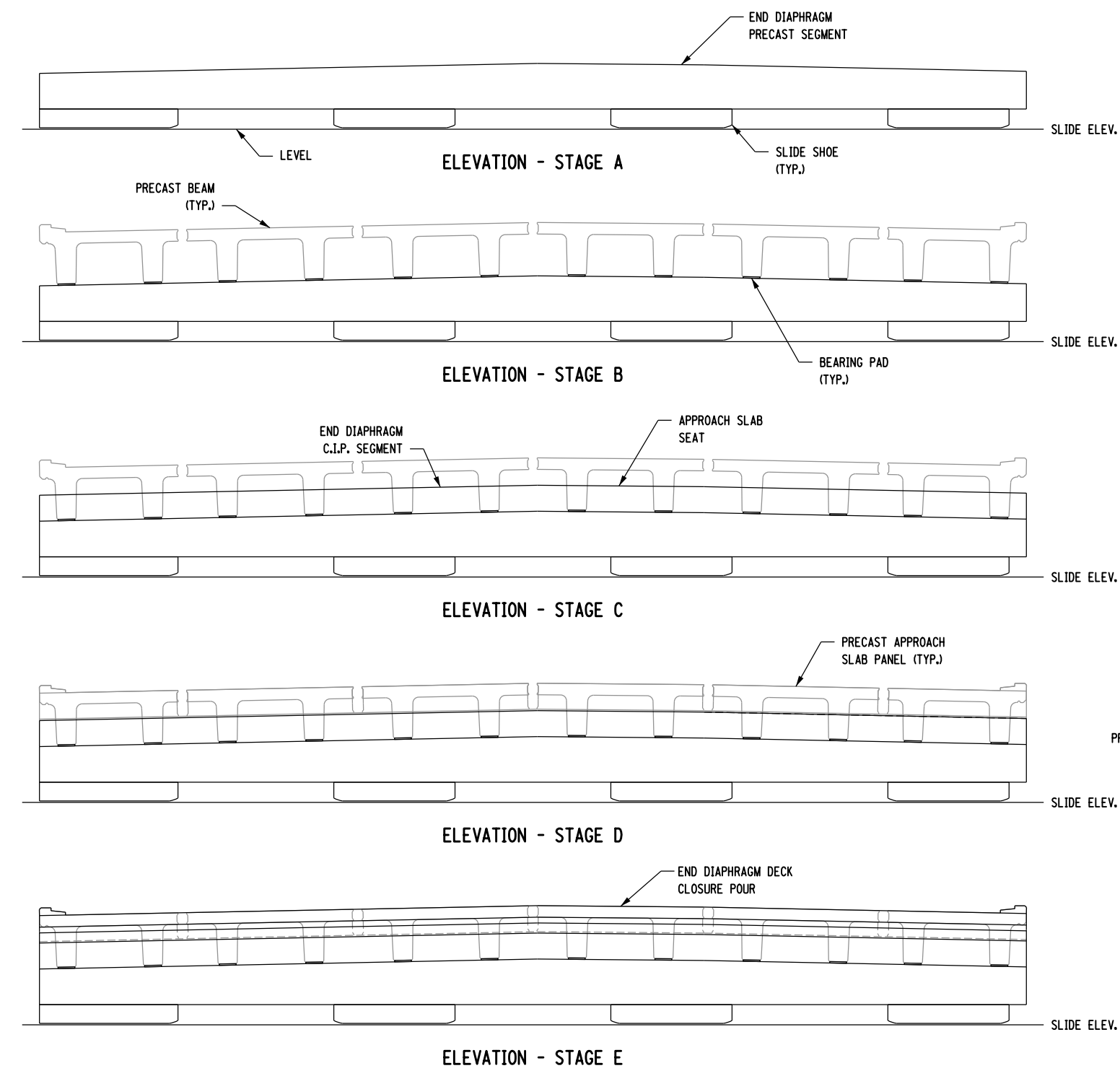
CONTRACT NUMBER: D262100
 DRAWING NO. ST-30
 SHEET NO. 163

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.cpb.ST-31.dfl_cfe_dflph_dflis.dgn
 DATE/TIME = 06-AUG-2012 16:06
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN G. HARRELL
 CHECK F. PADILLA
 DRAFTING F. PADILLA
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



END DIAPHRAGM ERECTION SEQUENCE:

- THIS SHEET ILLUSTRATES THE INTENDED ERECTION SEQUENCE OF THE SUPERSTRUCTURE AT EACH END OF THE BRIDGE PRIOR TO PERFORMING THE LATERAL SLIDE.
- STAGE A. ERECT PRECAST (LOWER) SEGMENT OF END DIAPHRAGM WITH SLIDE SHOES ON THE TEMPORARY BENTS AT EACH END OF THE BRIDGE.
 - STAGE B. PLACE ELASTOMERIC BEARING PADS ON PRECAST END DIAPHRAGMS AND SET PRECAST BEAMS. ADJUST BEAM ELEVATIONS AT EACH END USING STAINLESS STEEL OR NEOPRENE SHIMS TO MINIMIZE DIFFERENTIAL ELEVATION BETWEEN FLANGE TIPS OF ADJACENT BEAMS DURING THE PLACING SEQUENCE.
 - STAGE C. INSTALL END DIAPHRAGM REINFORCING AND APPROACH SLAB DOWEL BLOCKOUTS. CAST END DIAPHRAGM AND APPROACH SLAB SEAT TO ELEVATION OF BEAM FLANGES.
 - STAGE D. PLACE PRECAST APPROACH SLAB. INSERT AND GROUT DOWELS INTO END DIAPHRAGM.
 - STAGE E. INSTALL REMAINING DECK REINFORCING BETWEEN THE APPROACH SLAB AND BEAM FLANGES, CAST LONGITUDINAL DECK AND SLAB JOINTS, AND CAST END DIAPHRAGM DECK CLOSURE.

CONCRETE TABLE		
PLACEMENT	QUANTITY (CY)	ITEM NO.
STAGE A (SLIDE SHOE)	1.3	563.11000008
STAGE A (PRECAST)	20.2	563.11000008
STAGE C	9.4	555.04400008
STAGE E	8.1	555.04400008

- NOTES:**
1. QUANTITIES SHOWN ARE PER END DIAPHRAGM.

- NOTES:**
1. FOR BEAM LAYOUT, SEE DWG. NOS. ST1-22 AND ST2-22.
 2. FOR BEAM DETAILS SEE DWG. NOS. ST-28 TO ST-30.
 3. FOR END DIAPHRAGM DETAILS SEE DWG. NOS. ST-32 TO ST-34.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		
	TOWN OF SOUTHEAST				
	COUNTY: PUTNAM				

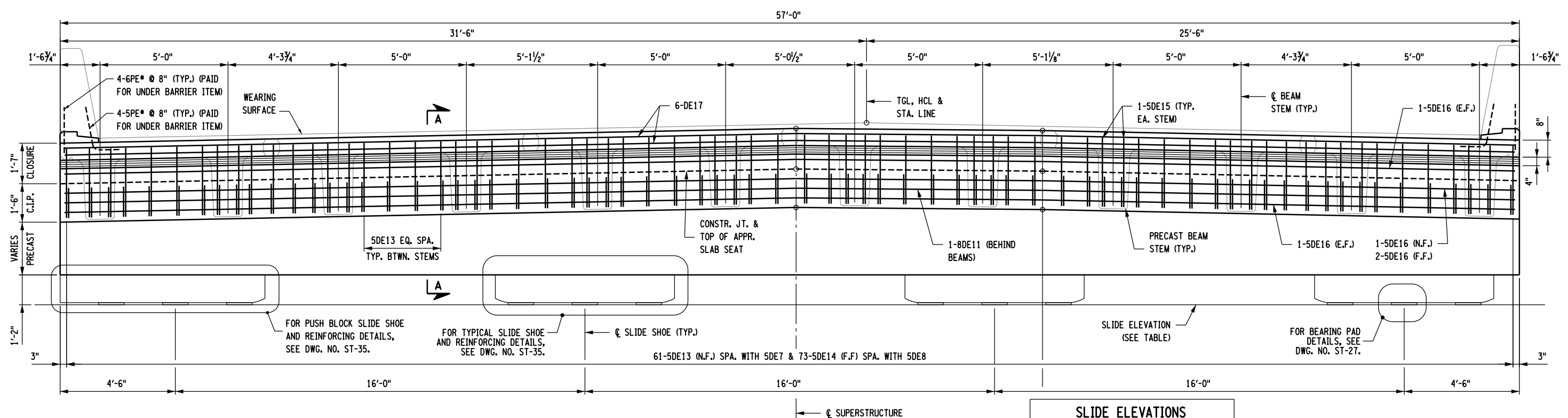
END DIAPHRAGM DETAILS 1 OF 4		CONTRACT NUMBER D262100
		DRAWING NO. ST-31 SHEET NO. 164

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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 DATE/TIME = 06-AUG-2012 16:06
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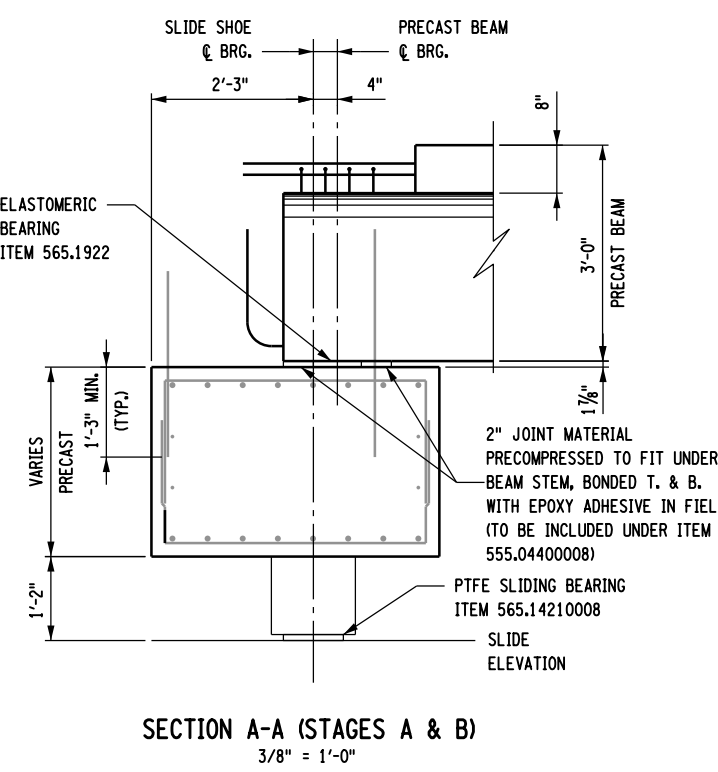
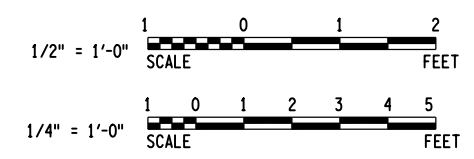
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN G. HARRELL
 CHECK F. PADILLA
 DRAFTING F. PADILLA
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



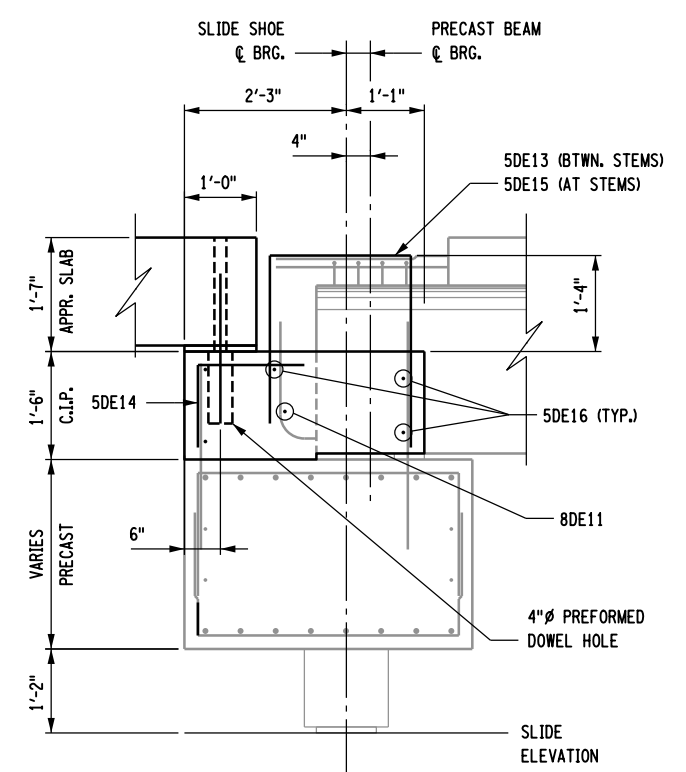
SLIDE ELEVATIONS	
ABUTMENT	ELEVATION
BEGIN BRIDGE EB	518.81
END BRIDGE EB	519.63
BEGIN BRIDGE WB	502.54
END BRIDGE WB	503.35

ELEVATION AT END DIAPHRAGM
 (LOOKING TOWARD APPROACH SPAN)
 1/4" = 1'-0"

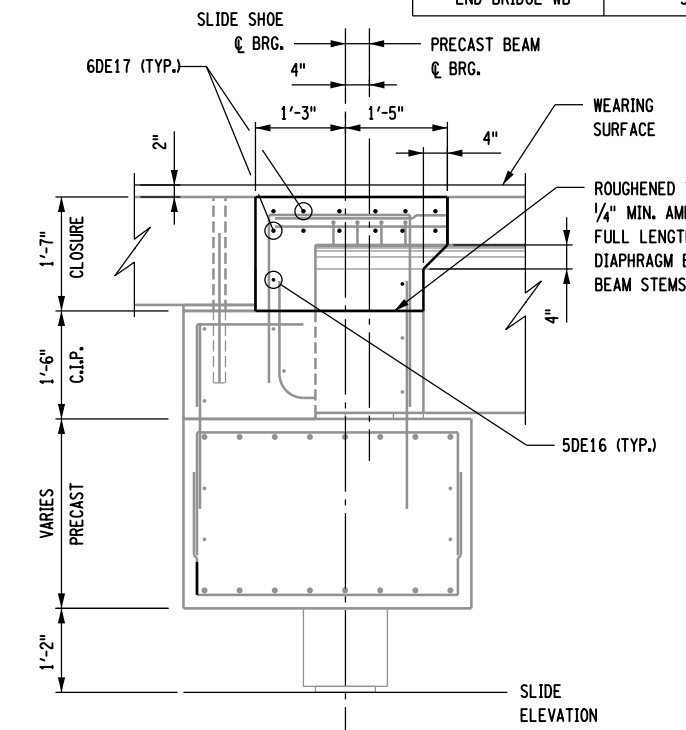
- NOTES:**
- END DIAPHRAGM AT EB END BRIDGE AND WB BEGIN BRIDGE SHOWN, END DIAPHRAGM AT EB BEGIN BRIDGE AND WB END BRIDGE SIMILAR.
 - SLIDE PATH RECESS AT BEGIN BRIDGE ABUTMENT NOT SHOWN FOR CLARITY. FOR DETAILS OF RECESS, SEE DWG. NOS. ST1-13 AND ST2-13.
 - FOR BEAM LAYOUT, SEE DWG. NOS. ST1-22 AND ST2-22.
 - FOR BEAM DETAILS SEE DWG. NOS. ST-28 TO ST-30.
 - FOR END DIAPHRAGM ERECTION SEQUENCE, SEE DWG. NO. ST-31.
 - FOR APPROACH SLAB AND DOWEL DETAILS, SEE DWG. NOS. ST-38 TO ST-39.
 - FOR PRECAST DIAPHRAGM DETAILS AND REINFORCING, SEE DWG. NO. ST-33.
 - CONCRETE PLACED DURING STAGES C AND E SHALL BE PAID FOR UNDER PAY ITEM 555.04400008.
 - REINFORCEMENT PLACED DURING STAGES C AND E SHALL BE PAID FOR UNDER PAY ITEM 556.0202.
 - FOR END DIAPHRAGM BAR LIST, SEE DWG. NO. ST-44.



SECTION A-A (STAGES A & B)
 3/8" = 1'-0"



SECTION A-A (STAGES C & D)
 3/8" = 1'-0"



SECTION A-A (STAGE E & FINAL)
 3/8" = 1'-0"

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS
 DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
 F.J.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84
 BRIDGES 1032621
 1032622
 CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 END DIAPHRAGM DETAILS
 2 OF 4

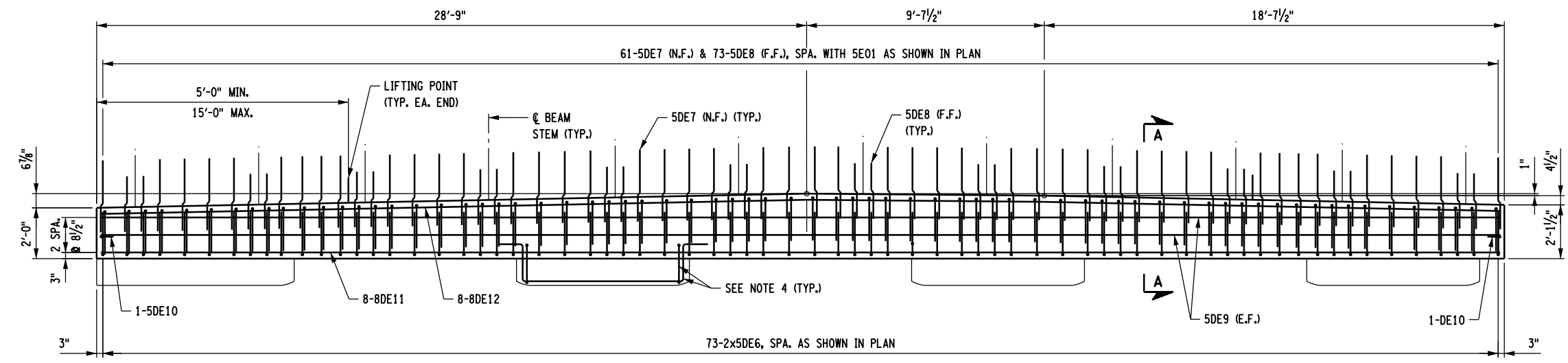
CONTRACT NUMBER
 D262100
 DRAWING NO. ST-32
 SHEET NO. 165

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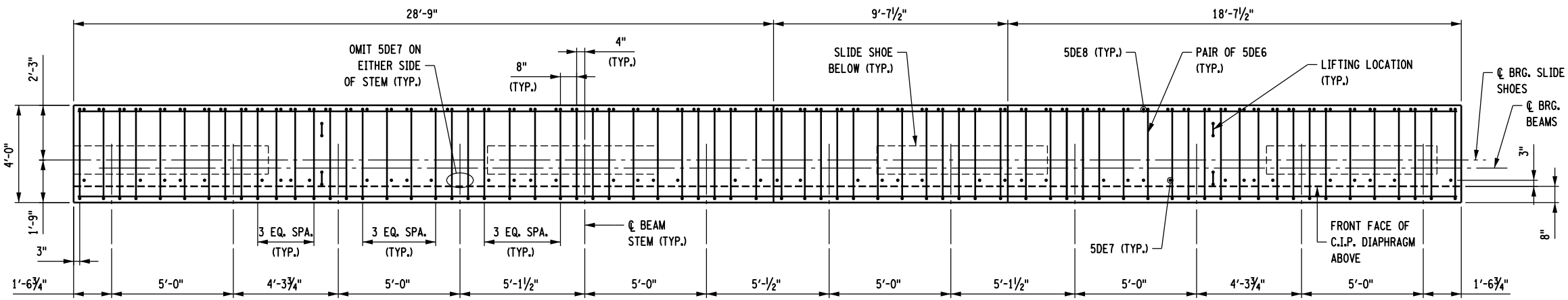
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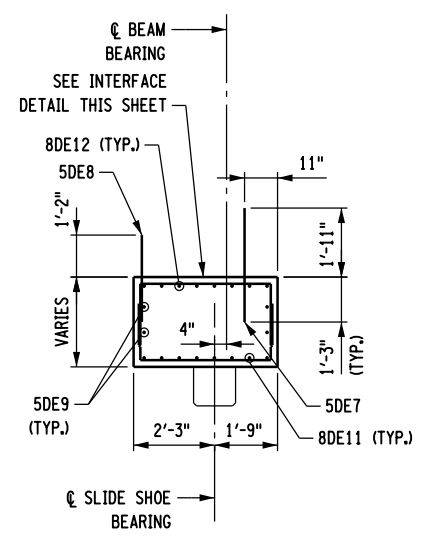
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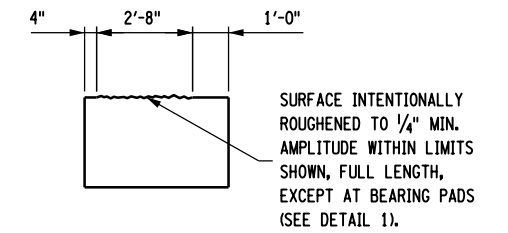
ELEVATION - PRECAST END DIAPHRAGM



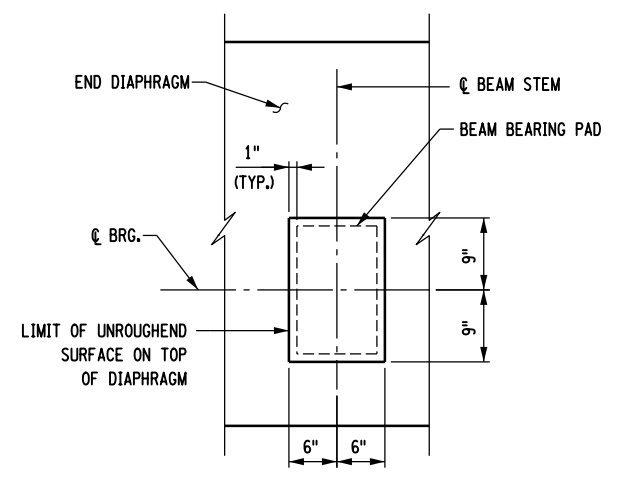
PLAN - PRECAST END DIAPHRAGM



SECTION A-A



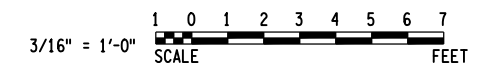
INTERFACE DETAIL



DETAIL 1 - PRECAST END DIAPHRAGM PARTIAL PLAN
 N.T.S.

NOTES:

1. PRECAST END DIAPHRAGM SHALL BE PAID FOR UNDER PAY ITEM 563.11000008, AND SHALL INCLUDE SLIDE SHOES, PUSH BLOCK, AND ALL REINFORCING STEEL AS DETAILED.
2. AT THE CONTRACTOR'S OPTION, THIS ELEMENT MAY BE PRODUCED IN THE FIELD, SUBJECT TO THE SAME QUALITY STANDARDS, DIMENSIONAL TOLERANCES, AND OTHER REQUIREMENTS OF THE PCCM AS IF IT WERE PRODUCED AT A PRECAST FACILITY.
3. LIFTING POINT LOCATIONS SHOWN ON THIS SHEET PROVIDE THE BASIS FOR THE PRIMARY FLEXURAL STEEL DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING THE FINAL LIFT POINT LOCATIONS AND DETAILS, AS WELL AS VERIFYING THAT THE PRECAST ELEMENT SATISFIES ALL APPLICABLE DESIGN REQUIREMENTS.
4. FOR SLIDE SHOE AND PUSH BLOCK DETAILS, SEE DWG. NO. ST-35.
5. FOR END DIAPHRAGM BAR LIST, SEE DWG. NO. ST-44.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



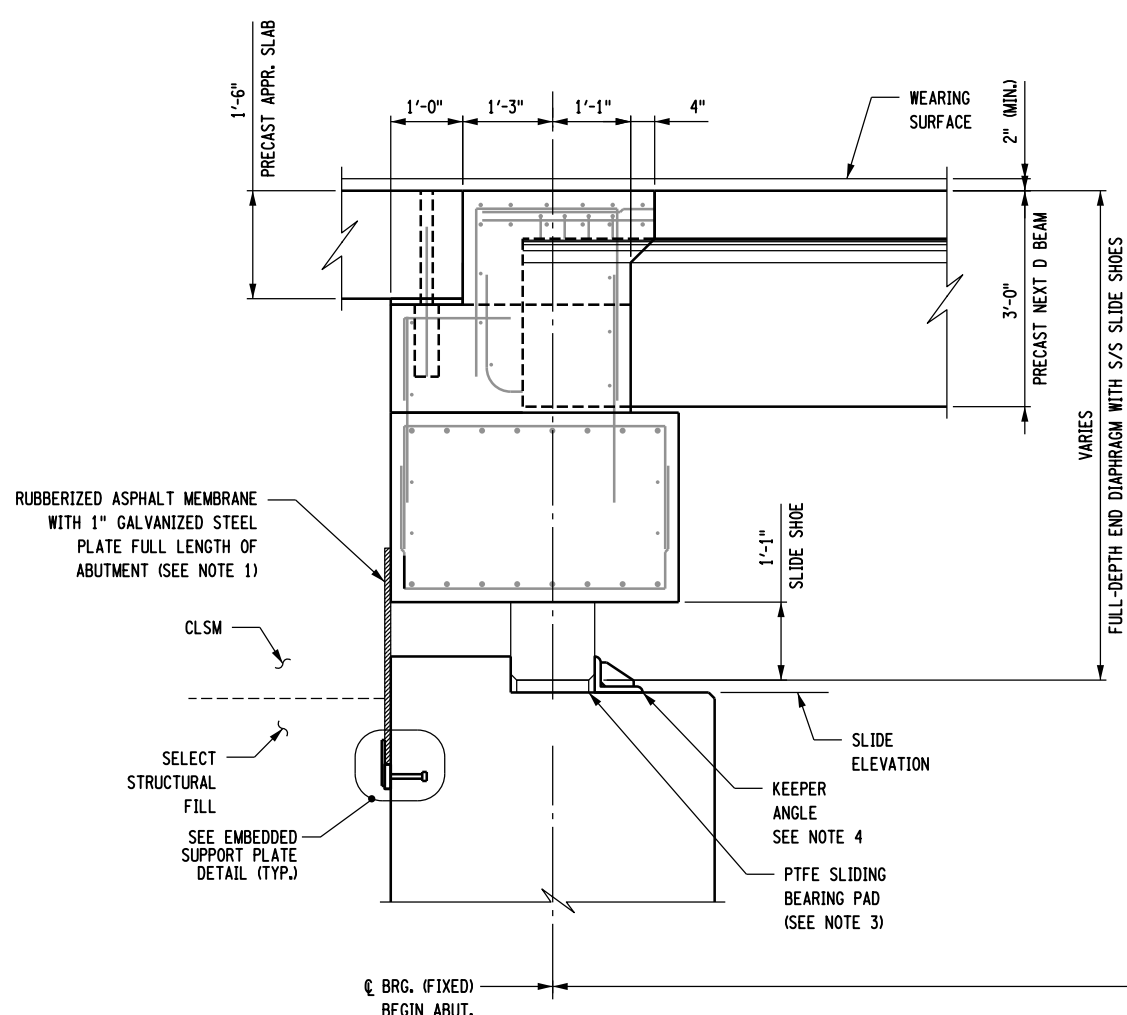
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		END DIAPHRAGM DETAILS 3 OF 4	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST-33
	COUNTY: PUTNAM					SHEET NO. 166

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

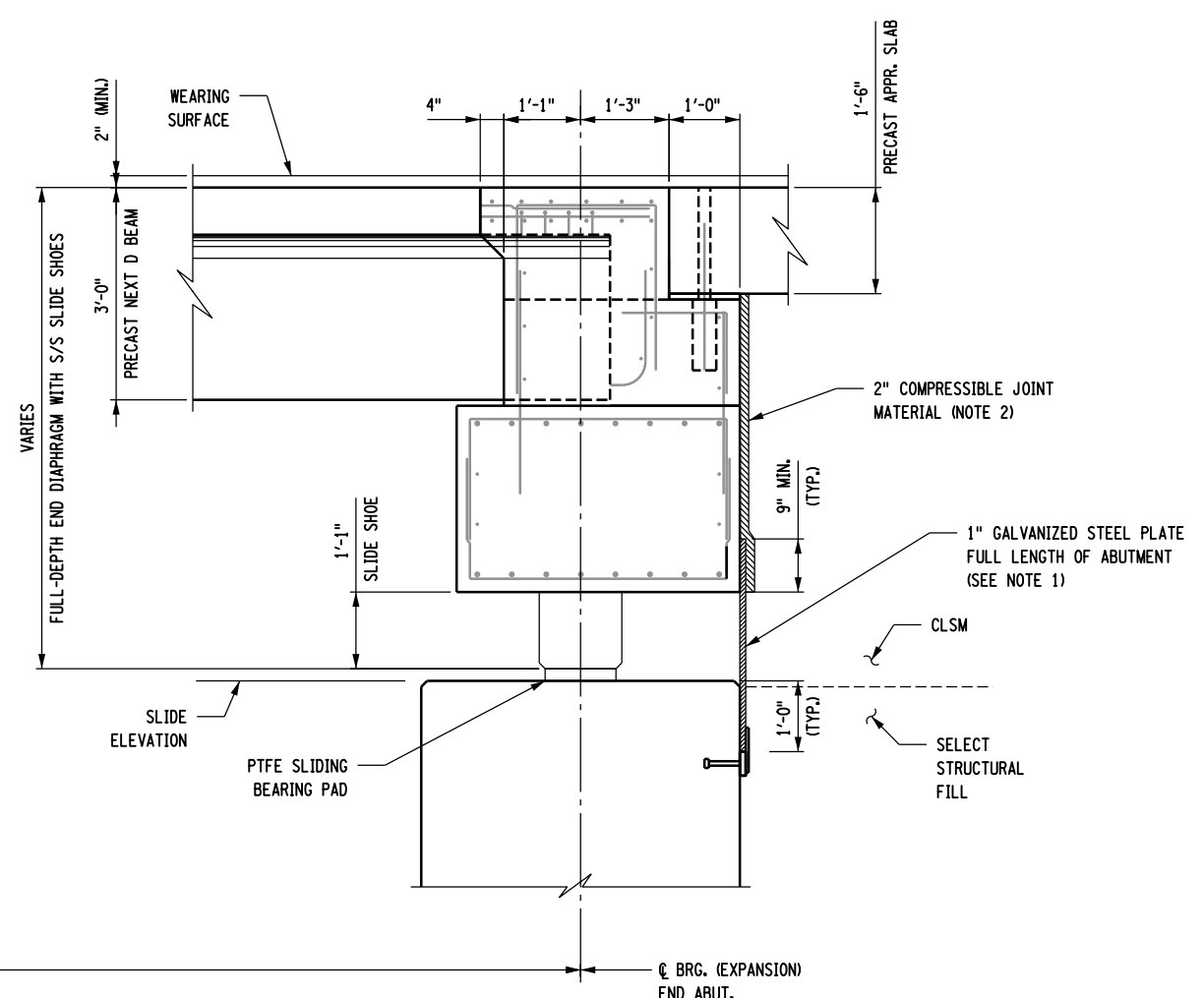
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 USER = pella

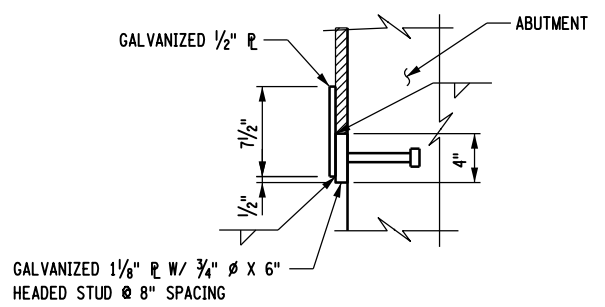
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN F. PADILLA
 CHECK G. HARRELL
 DRAFTING G. HARRELL
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



BEGIN ABUTMENT FINAL SECTION



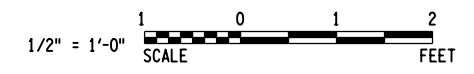
END ABUTMENT FINAL SECTION



EMBEDDED SUPPORT PLATE DETAIL
 1/2" = 1'-0"

NOTES:

1. GALVANIZED STEEL PLATE AND MEMBRANE SHALL BE PAID FOR UNDER CONTROLLED LOW-STRENGTH MATERIAL, ITEM 204.01.
2. ALL ELEMENTS DESIGNATED GALVANIZED SHALL BE HOT-DIP GALVANIZED AND IN ACCORDANCE WITH ASTM A123.
3. COMPRESSIVE JOINT MATERIAL AGAINST FILL TO BE PAID FOR UNDER CONTROLLED LOW-STRENGTH MATERIAL, ITEM 204.01.
4. FOR KEEPER ANGLE DETAILS, SEE ABUTMENT DRAWINGS.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:

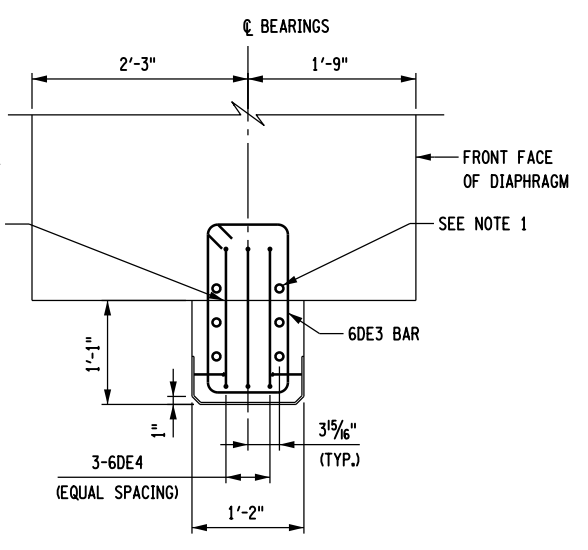
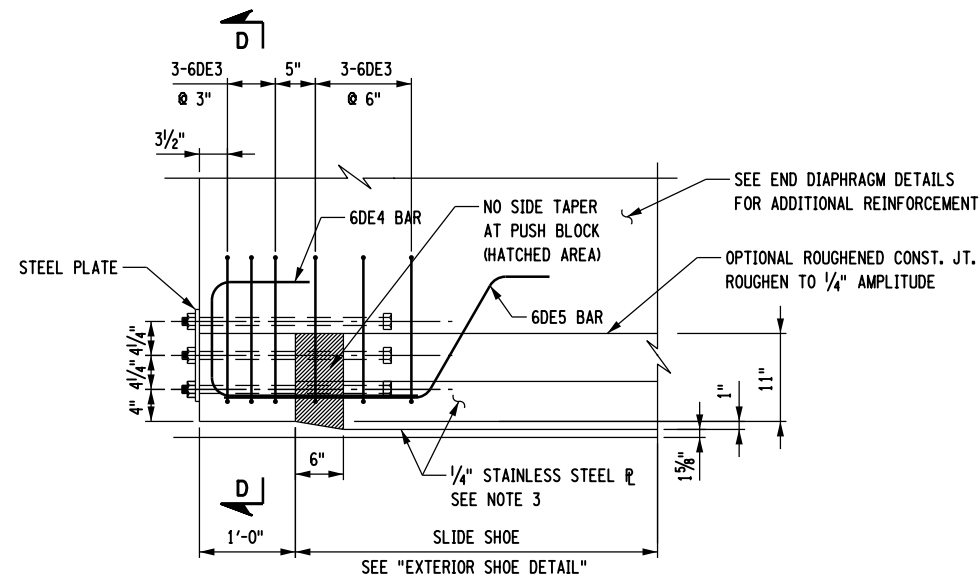
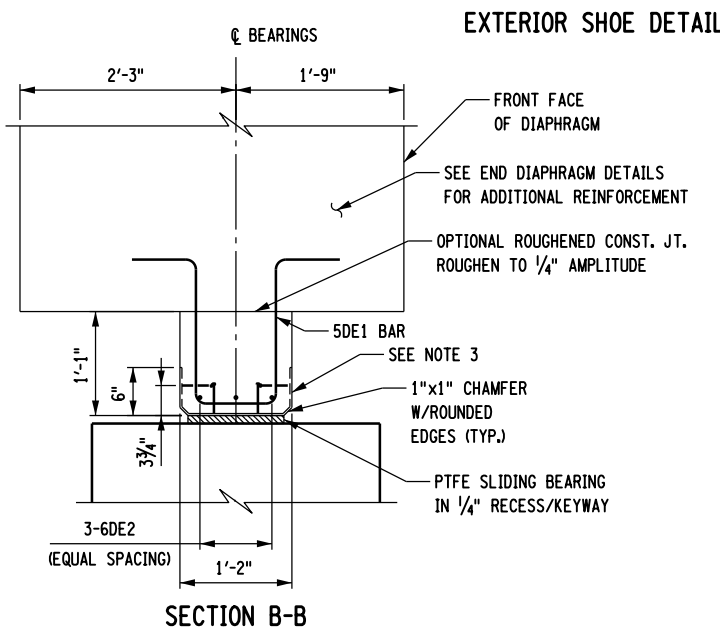
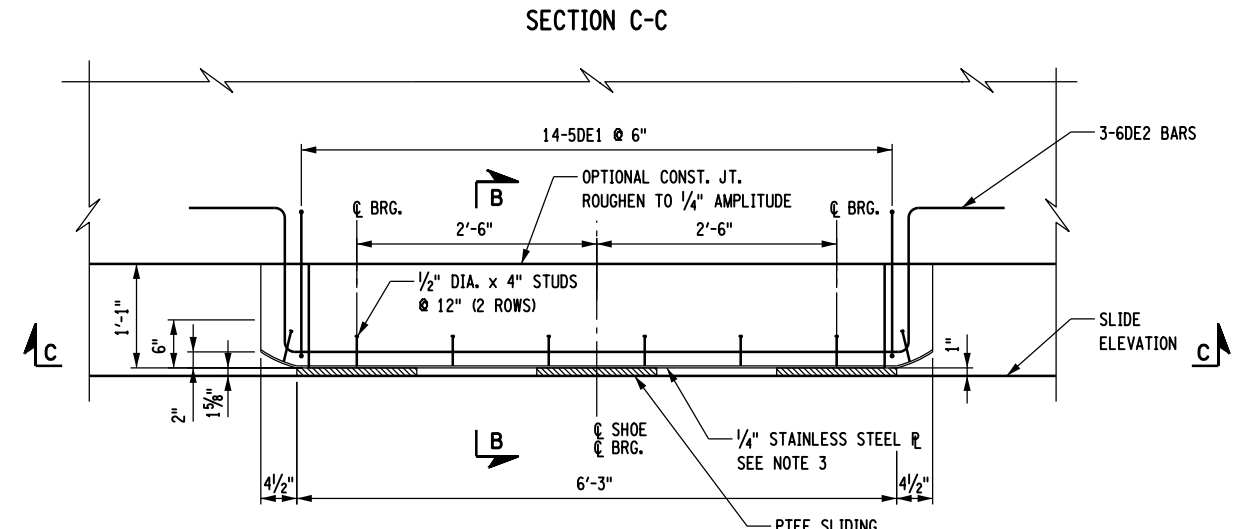
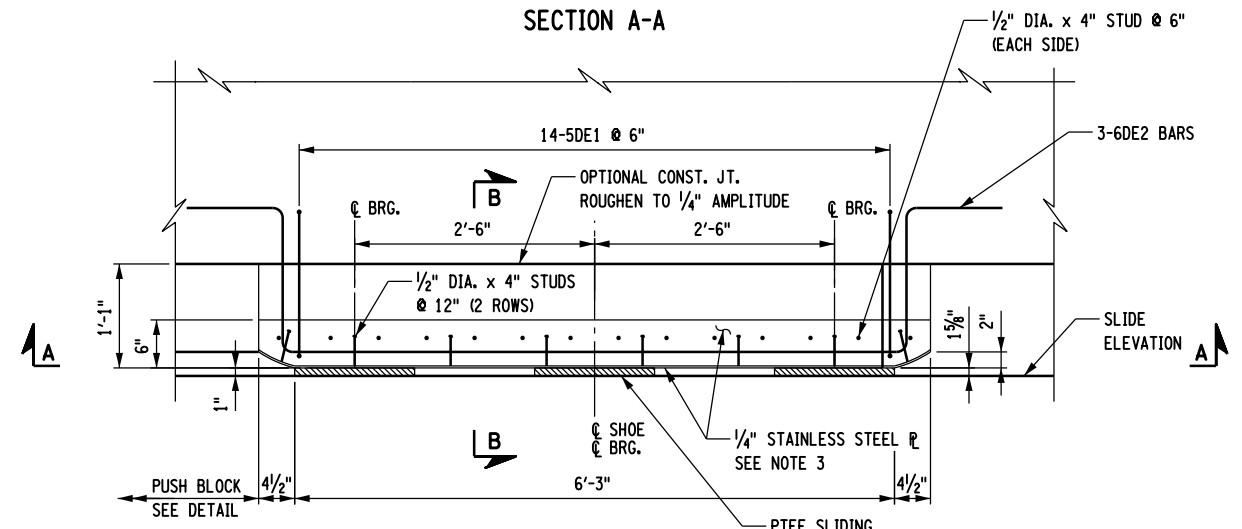
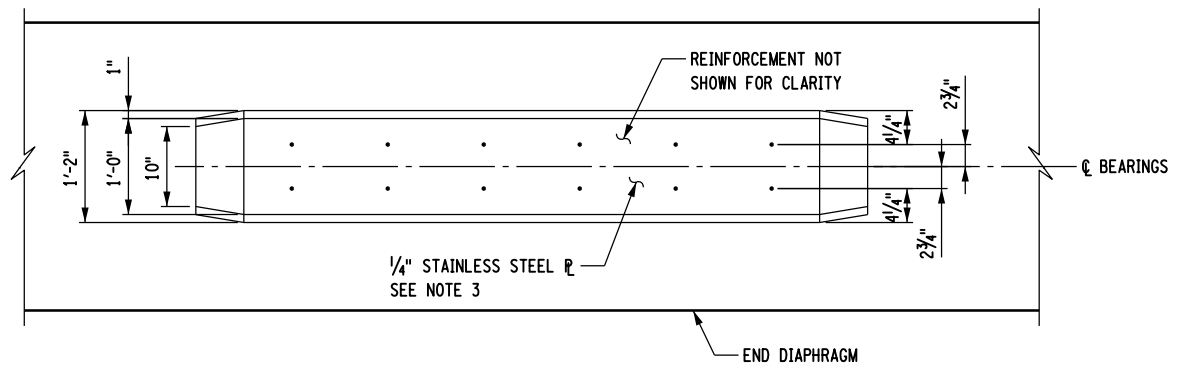
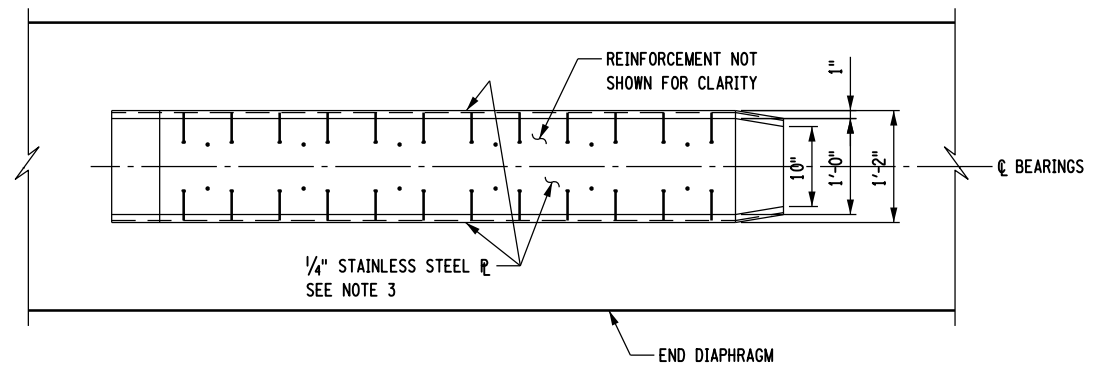
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		END DIAPHRAGM DETAILS	D262100
	TOWN OF SOUTHEAST		BIN 1032621		4 OF 4	DRAWING NO. ST-34
	COUNTY: PUTNAM		BIN 1032622			SHEET NO. 167

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

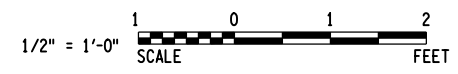
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road06210.cpb_ST-35_dfl_brg_slide_shoe.dgn
 DATE/TIME = 06-AUG-2012 16:06
 USER = pella

PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING F. PADILLA
 DESIGN G. HARRELL
 JOB MANAGER B. SIVAKUMAR
 DESIGNER G. HARRELL
 CHECK F. PADILLA
 DRAFTING F. PADILLA
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



- NOTES:**
- 1" DIA. ANCHOR BOLT (2'-0" EMBEDMENT) WITH WASHER AND HEAVY HEX NUT (ALL GALVANIZED). VERIFY DIMENSIONS PRIOR TO PLACEMENT. CUT BOLTS FLUSH AND PATCH AFTER SLIDING OPERATION IS COMPLETE.
 - INCLUDE COST OF STAINLESS STEEL 1/4" PLATE, 1/2" DIA. STUDS AT SHOES, 1" DIA. BOLTS AT PUSH BLOCK, CONCRETE AND REINFORCEMENT IN THE COST FOR PAY ITEM 563.1100008, PRECAST CONCRETE END DIAPHRAGM.
 - USE STAINLESS STEEL 1/4" PLATE AND STUDS AT BOTTOM AND BOTH SIDES OF SHOE AT EXTERIOR SHOES AND ONLY USE STAINLESS STEEL 1/4" PLATE AND STUDS AT BOTTOM OF SHOES AT ALL INTERIOR SHOES.
 - FOR BEARING PAD DETAILS, SEE DWG. NO. ST-27.
 - FOR SLIDE SHOE BAR LIST, SEE DWG. NO. ST-44.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



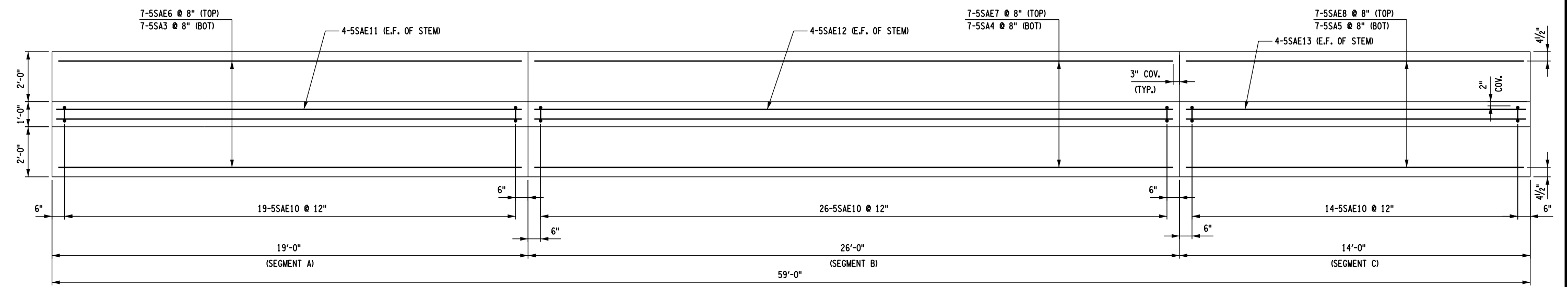
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.J.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622		SLIDE SHOE DETAILS	D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST-35
	COUNTY: PUTNAM					SHEET NO. 168

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

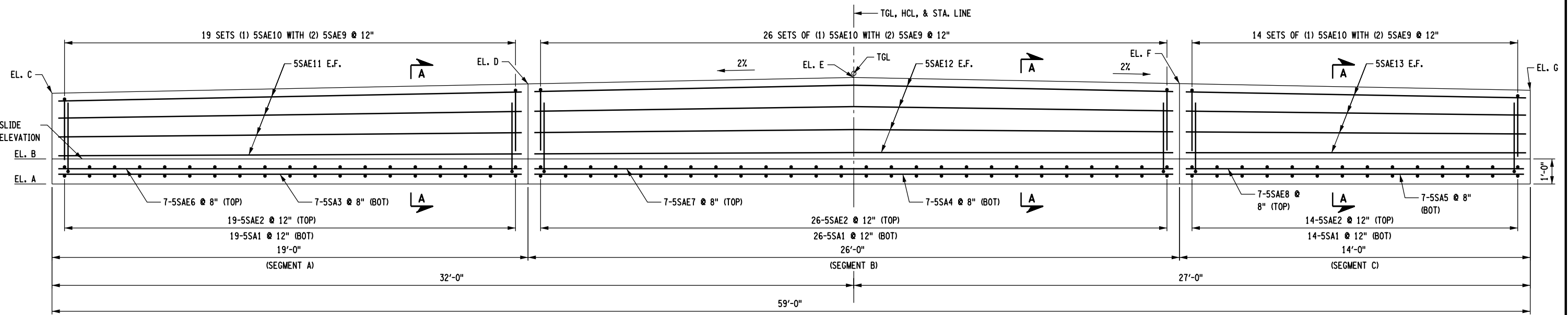
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep10cadd045737 TRB@Phase 4 Dingle Ridge Road0806210.opb.ST-36.dfl.ctb.sleeper.dgn
 DATE/TIME = 27-AUG-2012 04:21
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN C. BROSTO
 CHECK S. LIN
 DRAFTING C. BROSTO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



SLEEPER SLAB PLAN

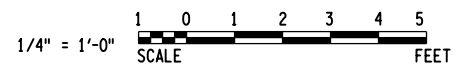


SLEEPER SLAB ELEVATION

LOCATION	BEGIN EB EL.	END EB EL.	BEGIN WB EL.	END WB EL.
A	521.63	523.29	505.13	506.96
B	522.63	524.29	506.13	507.96
C	524.99	526.51	508.72	510.24
D	525.37	526.89	509.10	510.62
E	525.63	527.15	509.36	510.88
F	525.37	526.89	509.10	510.62
G	525.09	526.61	508.82	510.34

NOTES:

- PLACE PRECAST SLEEPER SLAB OVER CRUSHED AGGREGATE BASE, ITEM 623.12000008, COMPACTED BY ROLLING TO PROVIDE A UNIFORM SURFACE. NO LOOSE BACKFILL SHALL BE ALLOWED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE SLEEPER SLAB FROM TEMPORARY LOADINGS OR ANY CONDITION WHICH COULD CAUSE MOVEMENTS OR UNEVEN SETTLEMENT OF THE SLEEPER SLAB.
- SURVEY THE ELEVATION OF THE SLIDE SURFACE AND THE TOP OF STEM. SLIDE SURFACE (ELEVATION B) SHOULD BE LEVEL.
- THE AGGREGATE BASE FOR THE SLEEPER SLAB IN THE WIDENED AREA SHALL BE COMPLETED PRIOR TO THE ABC PERIOD.
- THE SLEEPER SLAB ALSO SERVES AS AN END DAM FOR RAISING THE APPROACH PAVEMENT DURING THE ABC PERIOD.
- TOP OF SLEEPER SLABS SHALL BE STEEL TROWEL FINISHED AND COATED WITH A 0.04 IN. NOMINAL THICKNESS OF PERFORMANCE GRADE ASPHALT AS INDICATED IN MATERIAL SPECIFICATION 702-3101. THE TOP OF SLEEPER SLABS SHALL FOLLOW THE CROSS SLOPE AND GRADE OF ROADWAY. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR THE SLEEPER SLAB ITEM.
- FOR SECTION A-A AND B-B AND ADDITIONAL SLEEPER SLAB DETAILS, SEE DWG. NO. ST-37.
- ALL CONCRETE, UNCOATED REINFORCEMENT AND EPOXY-COATED REINFORCEMENT FOR SLEEPER SLAB SHALL BE INCLUDED UNDER ITEM 557.20000008.
- FOR REMOVAL OF EXISTING APPROACH SLABS SEE DWG. NOS. ST1-7 AND ST2-7.
- FOR SLEEPER SLAB BAR LIST, SEE DWG. NO. ST-45.



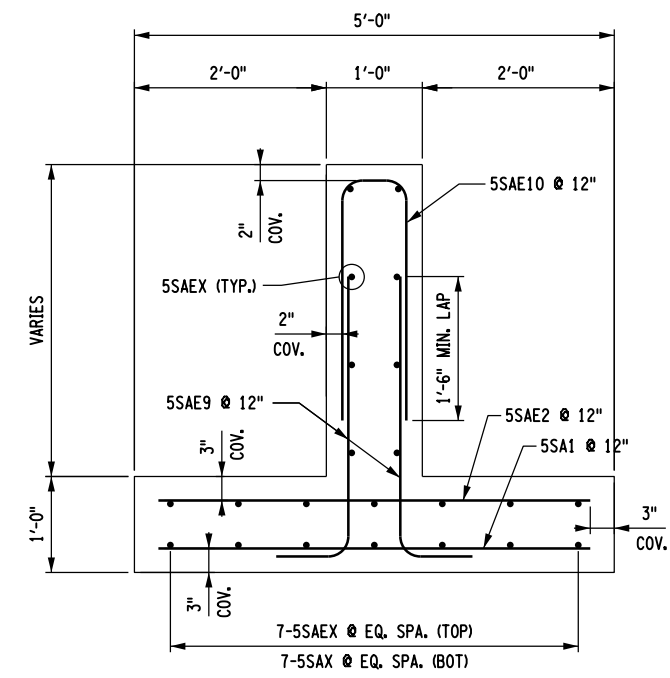
AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY:
 ON:

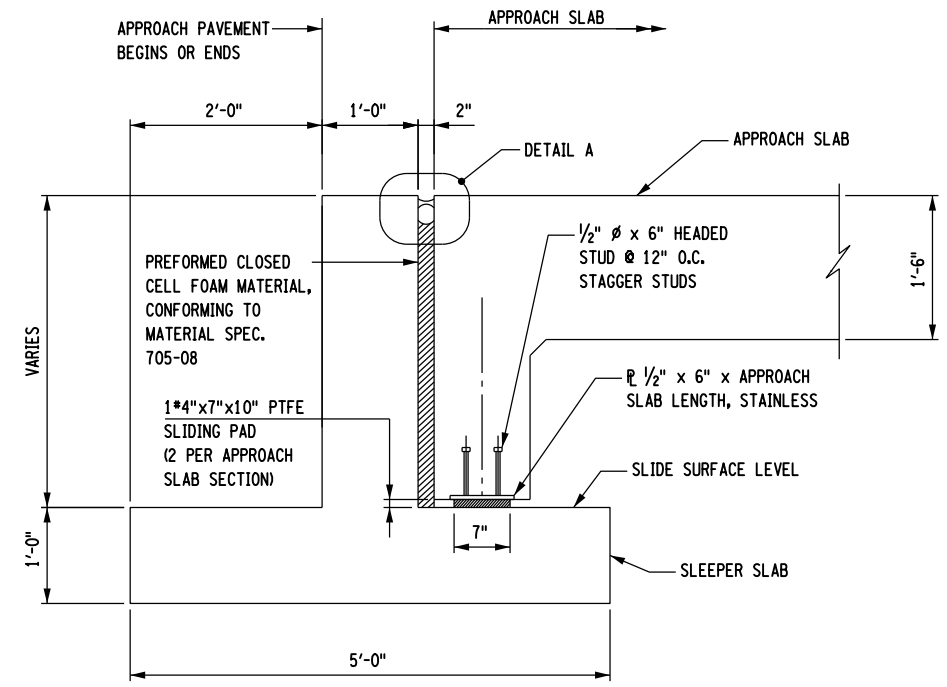
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD F.J.S.H. 64-19, BREWSTER TO CT STATE LINE TOWN OF SOUTHEAST COUNTY: PUTNAM	PIN 8062.10 I 84	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.					SLEEPER SLAB DETAILS 1 OF 2	DRAWING NO. ST-36 SHEET NO. 169
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08 DOCUMENT NAME:						

FILE NAME = 066nyw006dep10cadd045737 TRB@Phase 4 Dingle Ridge Road0806210.opb.ST-37.dfl.ctb.sleeper.dgn
 DATE/TIME = 27-AUG-2012 04:21
 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN C. BROSTO
 CHECK S. LIN
 DRAFTING C. BROSTO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR

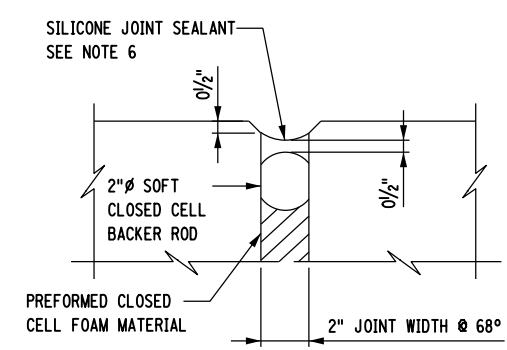


SECTION A-A
 1/2" = 1'-0"

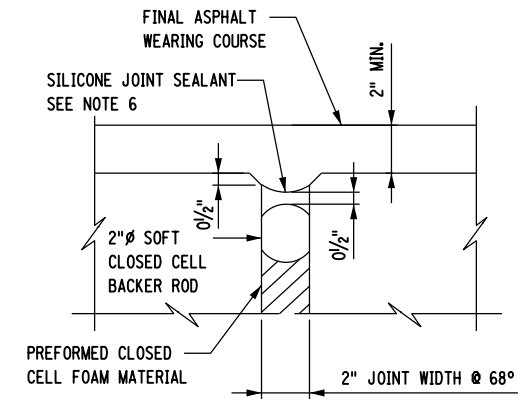


TYPICAL SLEEPER SLAB SECTION
 1/2" = 1'-0"

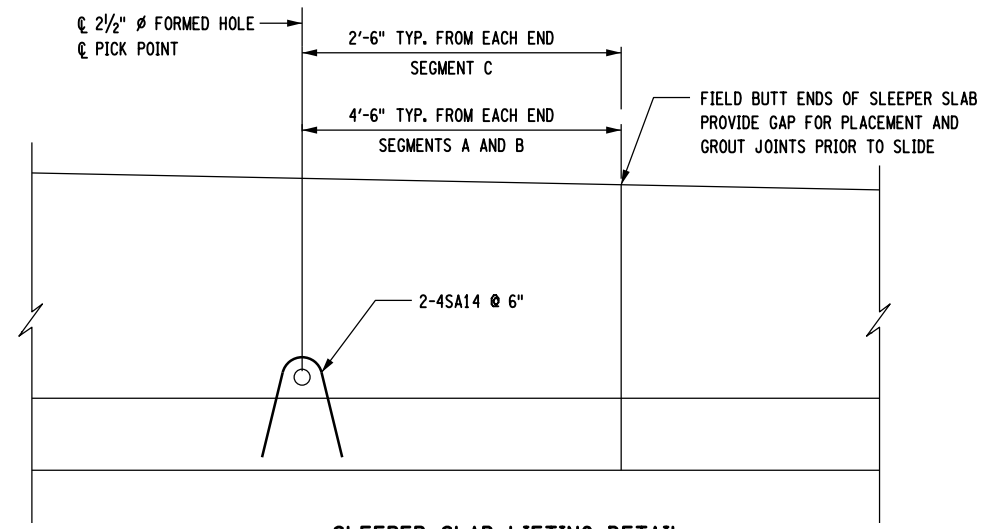
CONCRETE TABLE		
PLACEMENT	QUANTITY [CY]	ITEM NO.
EB BEG SEG A	5	557.20000008
EB BEG SEG B	8	557.20000008
EB BEG SEG C	4	557.20000008
EB END SEG A	5	557.20000008
EB END SEG B	8	557.20000008
EB END SEG C	4	557.20000008
WB BEG SEG A	5	557.20000008
WB BEG SEG B	8	557.20000008
WB BEG SEG C	4	557.20000008
WB END SEG A	5	557.20000008
WB END SEG B	8	557.20000008
WB END SEG C	4	557.20000008



DETAIL A
 (AT END OF ABC PERIOD)
 1/2" = 1'-0"



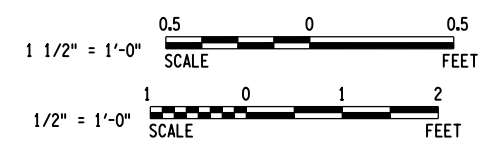
DETAIL A
 (FINAL CONDITION)
 1/2" = 1'-0"



SLEEPER SLAB LIFTING DETAIL
 N.T.S.

NOTES:

- FOR THE LOCATION OF SECTION A-A, SEE DWG. NO. ST-36.
- FOR ADDITIONAL NOTES, SEE DWG. NO. ST-36.
- FOR EXCAVATION AND EMBANKMENT SECTIONS, SEE DWG. NOS. ST1-7 AND ST2-7.
- ALL CONCRETE, UNCOATED REINFORCEMENT AND EPOXY-COATED REINFORCEMENT FOR SLEEPER SLAB SHALL BE INCLUDED UNDER ITEM 557.20000008.
- COST OF 1/2" PLATE WITH HEADED STUDS AND 1/4" SLIDING PADS SHALL BE INCLUDED UNDER ITEM 557.20000008.
- FILL THE RECESS WITH A STRUCTURAL JOINT MATERIAL, LIQUID SEALANT, FROM THE DEPARTMENT'S APPROVED LIST. THE MANUFACTURER'S RECOMMENDATIONS SHALL BE FOLLOWED FOR THOSE SEALANTS THAT REQUIRES A PRIMER. THE CONCRETE SHALL CURE FOR MINIMUM OF 7 DAYS BEFORE JOINT IS SEALED. SEALING SHALL ONLY BE PERFORMED WHEN THE CONCRETE TEMPERATURE IS 40 °F OR ABOVE. BOTH JOINT FACES SHALL BE SAND BLASTED TO ROUGHEN THE SURFACE AND TO REMOVE ALL SURFACE MOISTURE AND ANY OTHER MATERIAL THAT MAY INTERFER WITH BOND.
- FOR SLEEPER SLAB BAR LIST, SEE DWG. NO. ST-45.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:



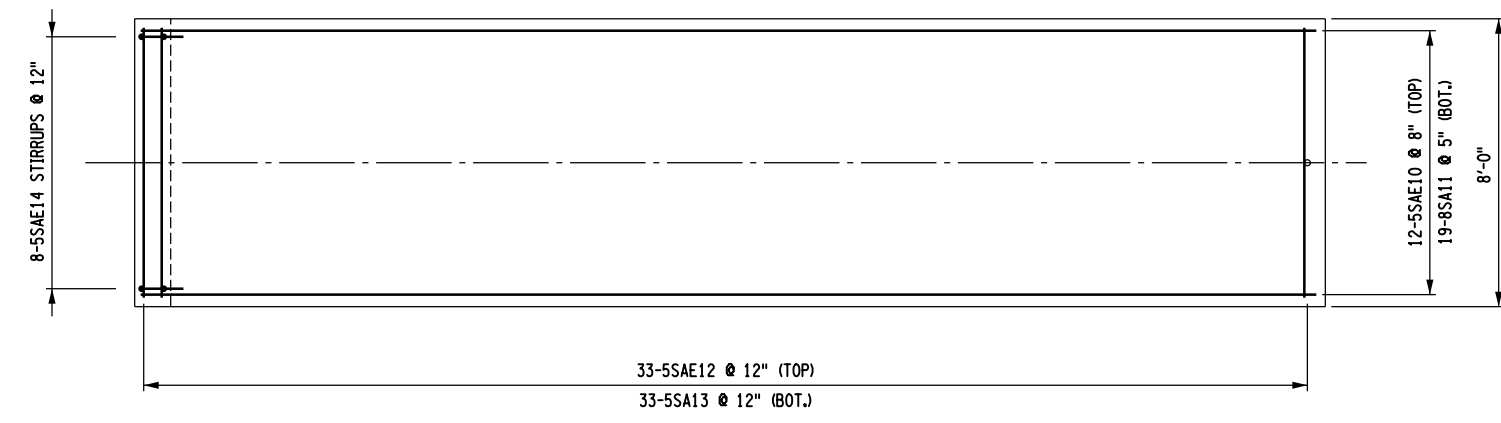
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10 I 84	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE					D262100
	TOWN OF SOUTHEAST					DRAWING NO. ST-37
	COUNTY: PUTNAM					SHEET NO. 170

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

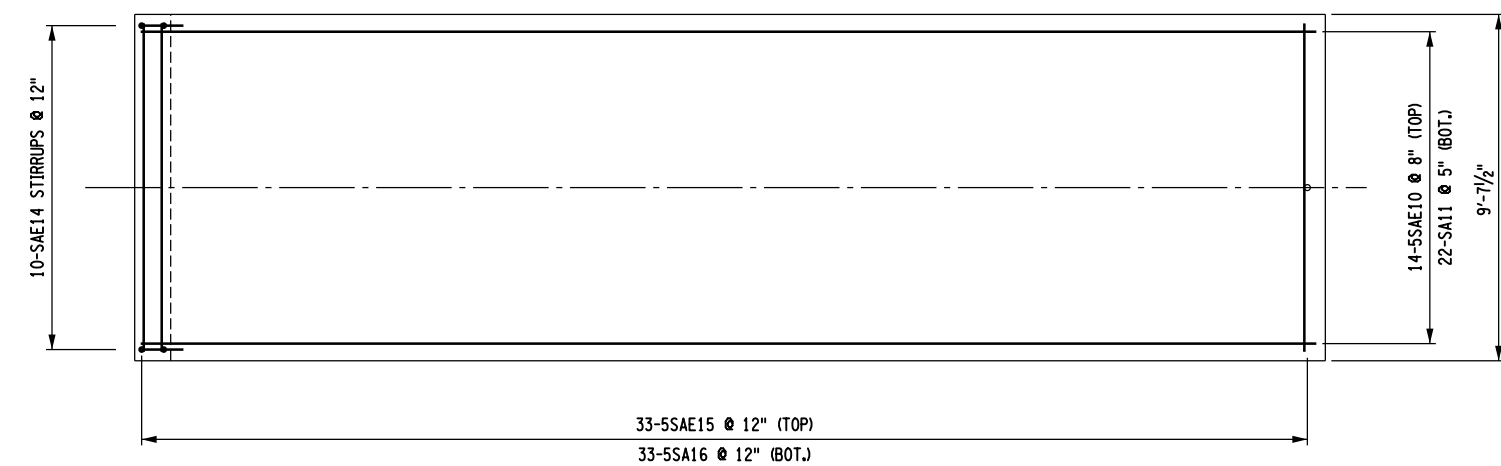
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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FILE NAME = 06nyw006dep10cadd045737 TRB@Phase 4 Dingle Ridge Road06210_cpb_ST-38_slb_apr_slb_def.dgn
 DATE/TIME = 27-AUG-2012 04:21
 USER = pello

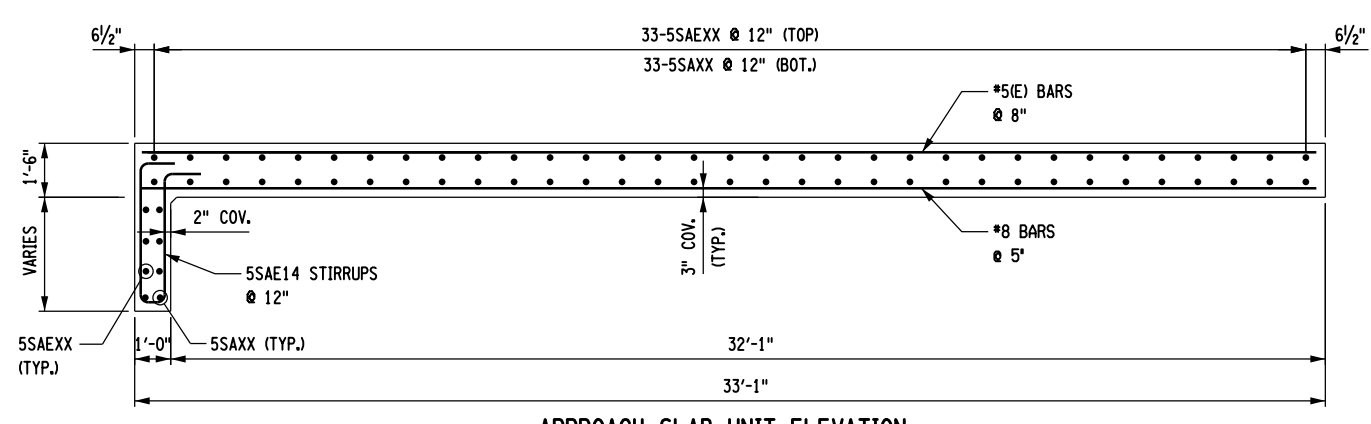
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN S. LIN
 CHECK C. BROSTO
 DRAFTING C. BROSTO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



EXTERIOR SLAB UNIT PLAN
 $\frac{3}{16}'' = 1'-0''$



INTERIOR SLAB UNIT PLAN
 $\frac{3}{16}'' = 1'-0''$

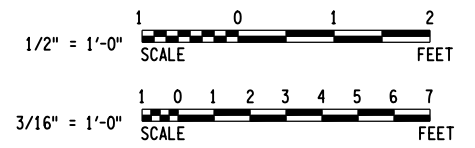


APPROACH SLAB UNIT ELEVATION
 $\frac{3}{16}'' = 1'-0''$

CONCRETE TABLE		
PLACEMENT	QUANTITY [CY]	ITEM NO.
EB EXT. SLAB	62	557.64040208
EB INT. SLAB	149	557.64040108
WB EXT. SLAB	62	557.64040208
WB INT. SLAB	149	557.64040108

NOTES:

1. CONCRETE, EPOXY-COATED BAR REINFORCEMENT AND UNCOATED BAR REINFORCEMENT FOR INTERIOR APPROACH SLAB UNITS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 557.64040108.
2. CONCRETE, EPOXY-COATED BAR REINFORCEMENT AND UNCOATED BAR REINFORCEMENT FOR EXTERIOR APPROACH SLAB UNITS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 557.64040208.
3. FOR END DIAPHRAGM DETAILS, SEE DWG. NOS. ST-31 TO ST-34.
4. FOR SLEEPER SLAB DETAILS, SEE DWG. NOS. ST-36 AND ST-37.
5. ALL APPROACH SLAB REINFORCEMENT SHALL HAVE A MINIMUM 3 INCH COVER UNLESS OTHERWISE NOTED.
6. FOR APPROACH SLAB BAR LIST, SEE DWG. NO. ST-46.
7. TO PERMIT UNHINDERED LONGITUDINAL MOVEMENT OF SLAB IN THE FINAL CONDITION, POLYETHYLENE CURING COVERS (WHITE OPAQUE) IN ACCORDANCE WITH MATERIAL SPECIFICATION SUBSECTION 711-04 SHALL BE ATTACHED TO THE UNDERSIDE OF THE APPROACH SLAB. THE CURING COVERS SHALL BE .004 IN. THICK, AND LAPS SHALL BE 2 FT. MINIMUM.
8. APPROACH SLABS HAVE BEEN DESIGNED TO CARRY TRAFFIC LIVE LOAD PRIOR TO PLACEMENT OF BACKFILL.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: _____
 ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	BIN 1032621 BIN 1032622		
	TOWN OF SOUTHEAST				
	COUNTY: PUTNAM				

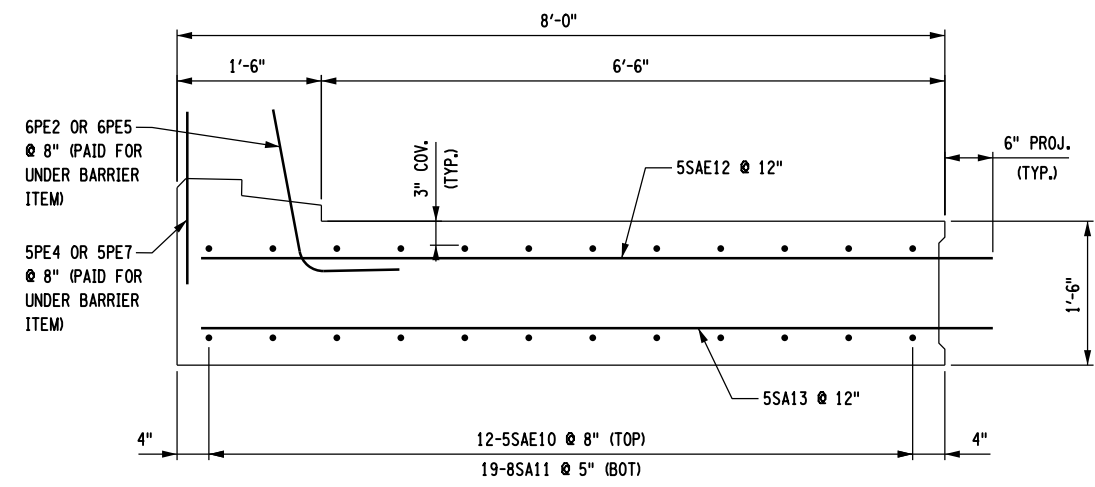
APPROACH SLAB DETAILS 1 OF 2	CONTRACT NUMBER	
	D262100	
	DRAWING NO. ST-38 SHEET NO. 171	

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

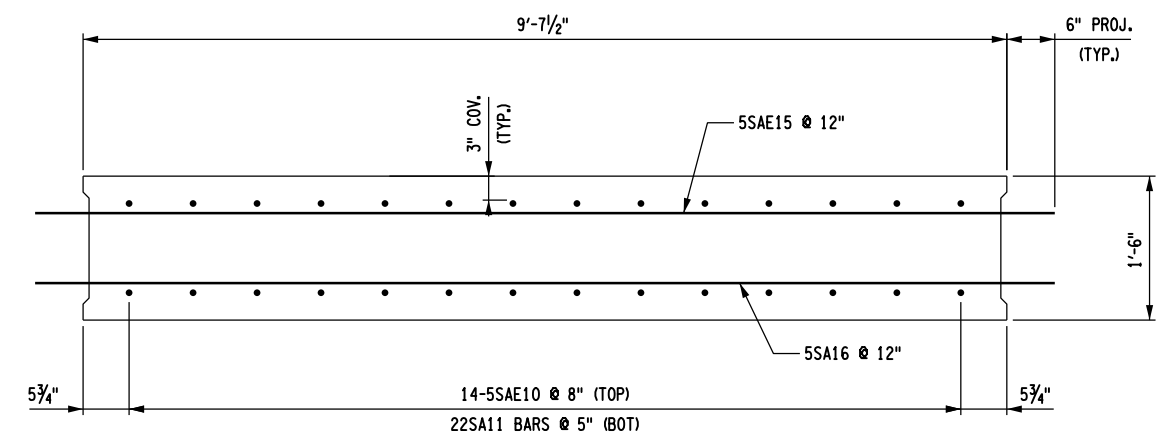
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.cpb_ST-39_slb_cpr_appr_slb_def.dgn
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 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR
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 PROJECT MANAGER B. SIVAKUMAR



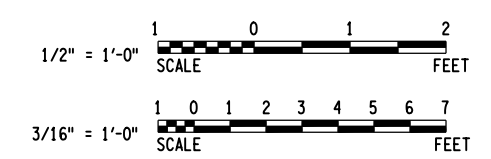
EXTERIOR SLAB SECTION
 $\frac{1}{2}'' = 1'-0''$



INTERIOR SLAB SECTION
 $\frac{1}{2}'' = 1'-0''$

NOTES:

1. CONCRETE, EPOXY-COATED BAR REINFORCEMENT AND UNCOATED BAR REINFORCEMENT FOR INTERIOR APPROACH SLAB UNITS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 557.64040108.
2. CONCRETE, EPOXY-COATED BAR REINFORCEMENT AND UNCOATED BAR REINFORCEMENT FOR EXTERIOR APPROACH SLAB UNITS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 557.64040208.
3. FOR END DIAPHRAGM DETAILS, SEE DWG. NOS. ST-31 TO ST-34.
4. FOR SLEEPER SLAB DETAILS, SEE DWG. NOS. ST-36 AND ST-37.
5. ALL APPROACH SLAB REINFORCEMENT SHALL HAVE A MINIMUM 3 INCH COVER UNLESS OTHERWISE NOTED.
6. FOR APPROACH SLAB BAR LIST, SEE DWG. NO. ST-40.
7. FOR BARRIER DETAILS, SEE DWG. NO ST-40.



AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12	ALTERED BY: ON:
	AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

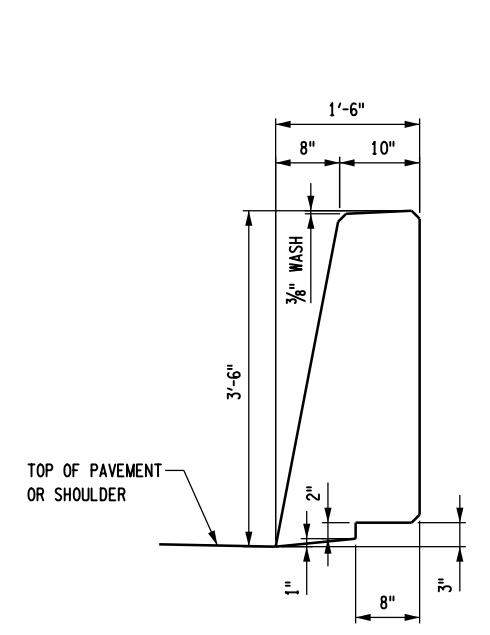
I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	1032622			D262100
TOWN OF SOUTHEAST		BIN 1032621			DRAWING NO. ST-39
COUNTY: PUTNAM		BIN 1032622			SHEET NO. 172

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

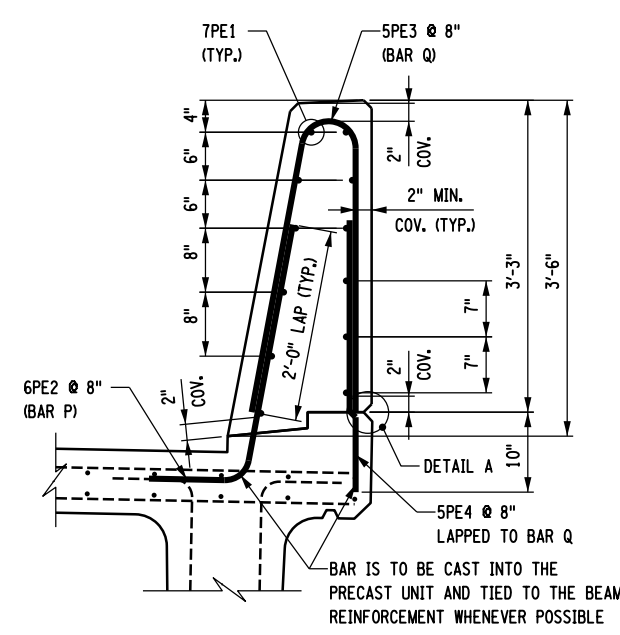
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0806210.apb_ST-40_rlg.barrier.dgn
 DATE/TIME = 06-AUG-2012 16:07
 USER = pello

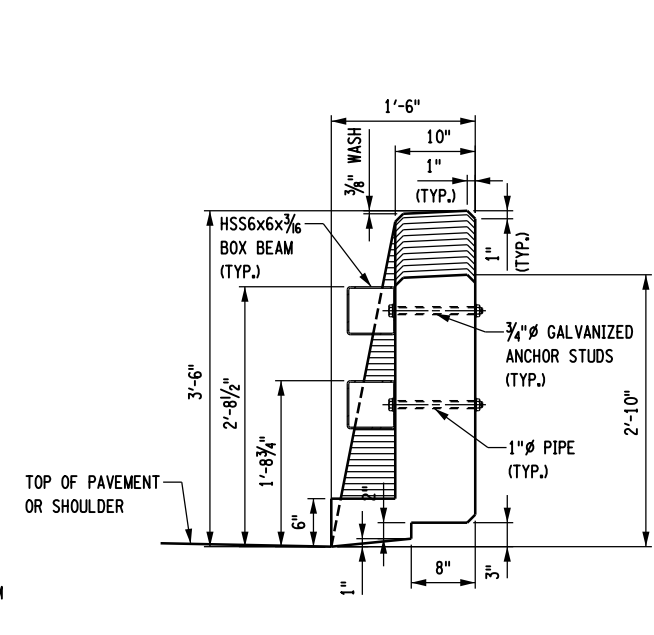
DESIGN SUPERVISOR B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR
 DESIGN G. HARRELL
 CHECK F. PADILLA
 DRAFTING C. BROSTO
 CHECK S. LIN
 PROJECT MANAGER B. SIVAKUMAR



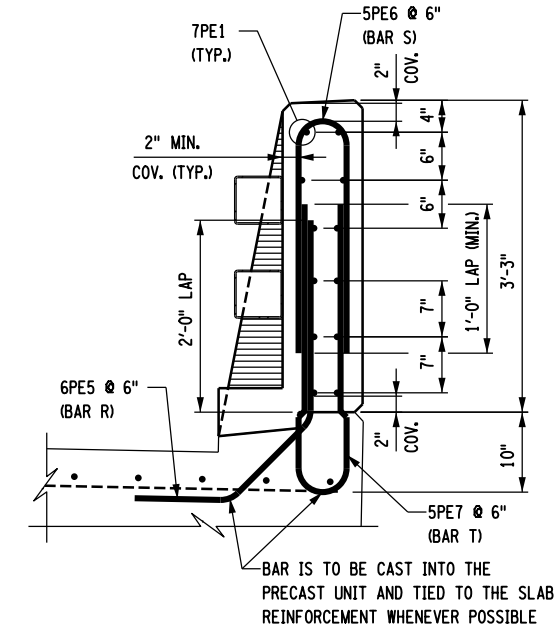
TYPICAL BARRIER SECTION
 1/2" = 1'-0"



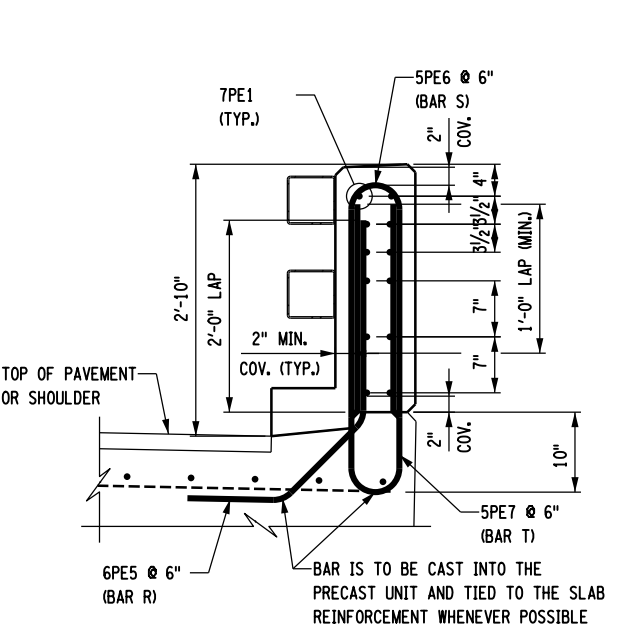
BARRIER REINFORCEMENT DETAIL
 1/2" = 1'-0"



TYPICAL BARRIER TRANSITION SECTION
 1/2" = 1'-0"



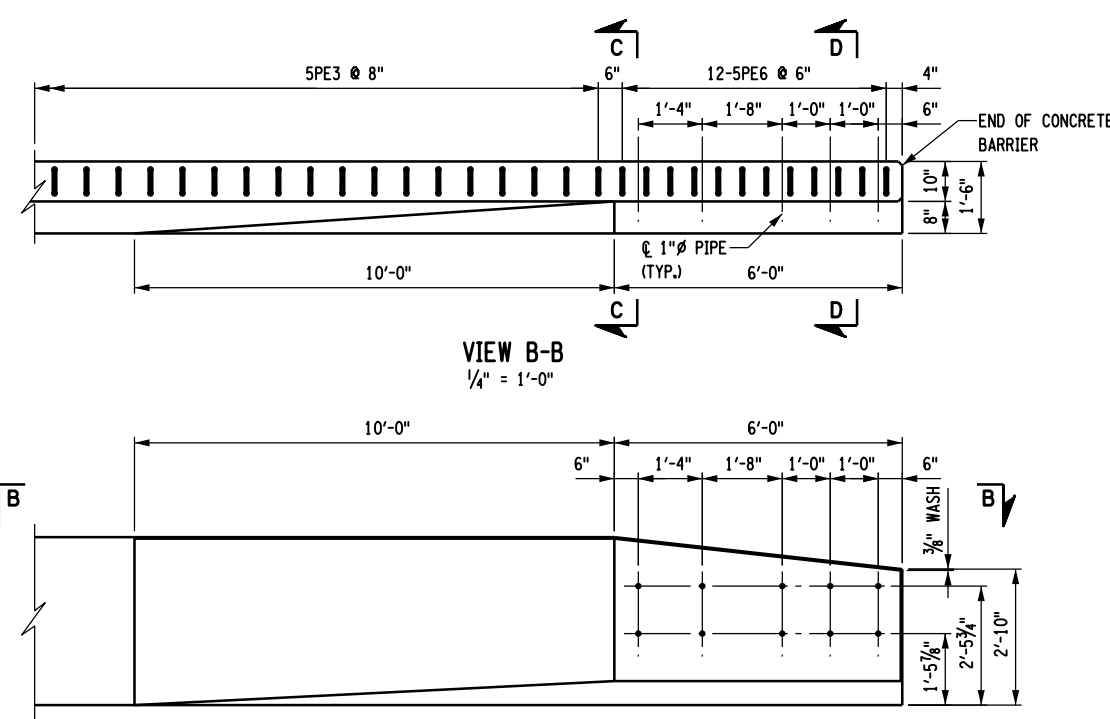
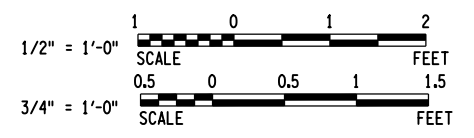
SECTION C-C
 1/2" = 1'-0"



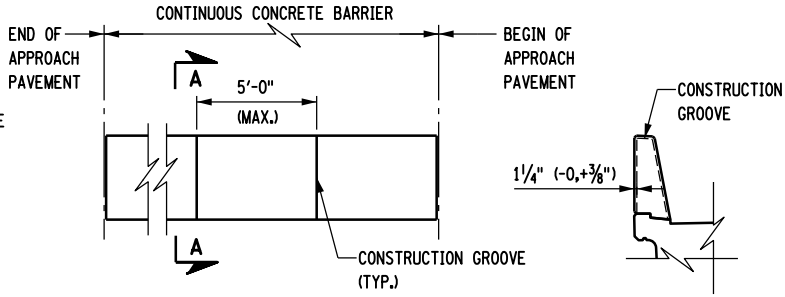
SECTION D-D
 1/2" = 1'-0"

NOTES:

- CONSTRUCTION GROOVES SHALL BE MADE BY: 1) FORMING FOR CAST-IN-PLACE CONSTRUCTED FORMS; 2) SAWING THE SET CONCRETE WITHIN 8 HOURS OF PLACEMENT FOR CAST-IN-PLACE SLIP FORMED; OR 3) CUTTING THE PLASTIC CONCRETE. COMBINATION OF THESE METHODS MAY BE EMPLOYED.
- THE DEPTH OF THE GROOVES SHALL BE 1/4" (-0, +3/8").
- FORMED GROOVES SHALL MAKE A 60° ANGLE WITH THE SURFACE.
- CUT GROOVES SHALL BE FINISHED WITH SHALLOW (3/4" ± 1/4") CONSTANT DEPTH 45° CHAMFERS AT THE SURFACE.
- THE LONGITUDINAL REINFORCING BARS FOR THE CONCRETE BARRIERS SHALL BE CONTINUOUS BETWEEN BRIDGE EXPANSION JOINTS. WHERE SPLICES ARE REQUIRED, THE LENGTH OF THE LAP SHALL BE SUFFICIENT TO DEVELOP EACH BAR.
- CONSTRUCTION GROOVE SPACING SHALL BE UNIFORM ACROSS THE STRUCTURE AND WALLS.
- PIPE INSERT IN BARRIER FOR ANCHOR STUDS SHALL BE P.V.C. PIPE OR GALVANIZED STEEL PIPE (ASTM A53 NPS 1" DIA.). THE COST OF FURNISHING AND PLACING SHALL BE INCLUDED IN THE CONCRETE SINGLE SLOPE BARRIER ITEM.
- ANCHOR STUDS SHALL MEET THE REQUIREMENTS OF ASTM A449 AND SHALL BE HOT DIP GALVANIZED PER THE REQUIREMENTS OF ASTM A153. EACH ANCHOR STUD SHALL HAVE ONE SET OF HEX NUTS AND FLAT WASHERS (GALVANIZED) FOR EACH THE INSIDE AND OUTSIDE FACE OF THE BARRIER. COST OF FURNISHING AND PLACING BOLTS WITH HEX NUTS AND FLAT WASHERS SHALL BE INCLUDED IN THE TRANSITION ITEM.
- FOR CONCRETE BARRIER LIMITS, SEE DWG. NOS. ST-1 AND ST-2-1.
- FOR CONCRETE BARRIER TO BOX BEAM GUIDE RAIL TRANSITION DETAILS, SEE DWG. NO. ST-41.
- FOR BARRIER BAR LIST, SEE DWG. NO. ST-47.

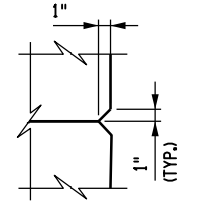


CONCRETE BARRIER TRANSITION ELEVATION
 1/4" = 1'-0"

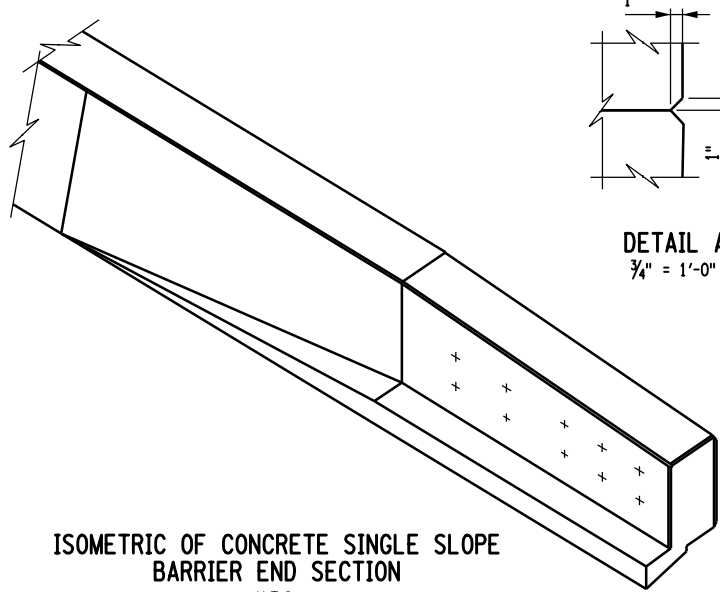


CONCRETE BARRIER GROOVE SPACING ELEVATION
 1/8" = 1'-0"

SECTION A-A
 1/8" = 1'-0"



DETAIL A
 3/4" = 1'-0"



ISOMETRIC OF CONCRETE SINGLE SLOPE BARRIER END SECTION
 N.T.S.

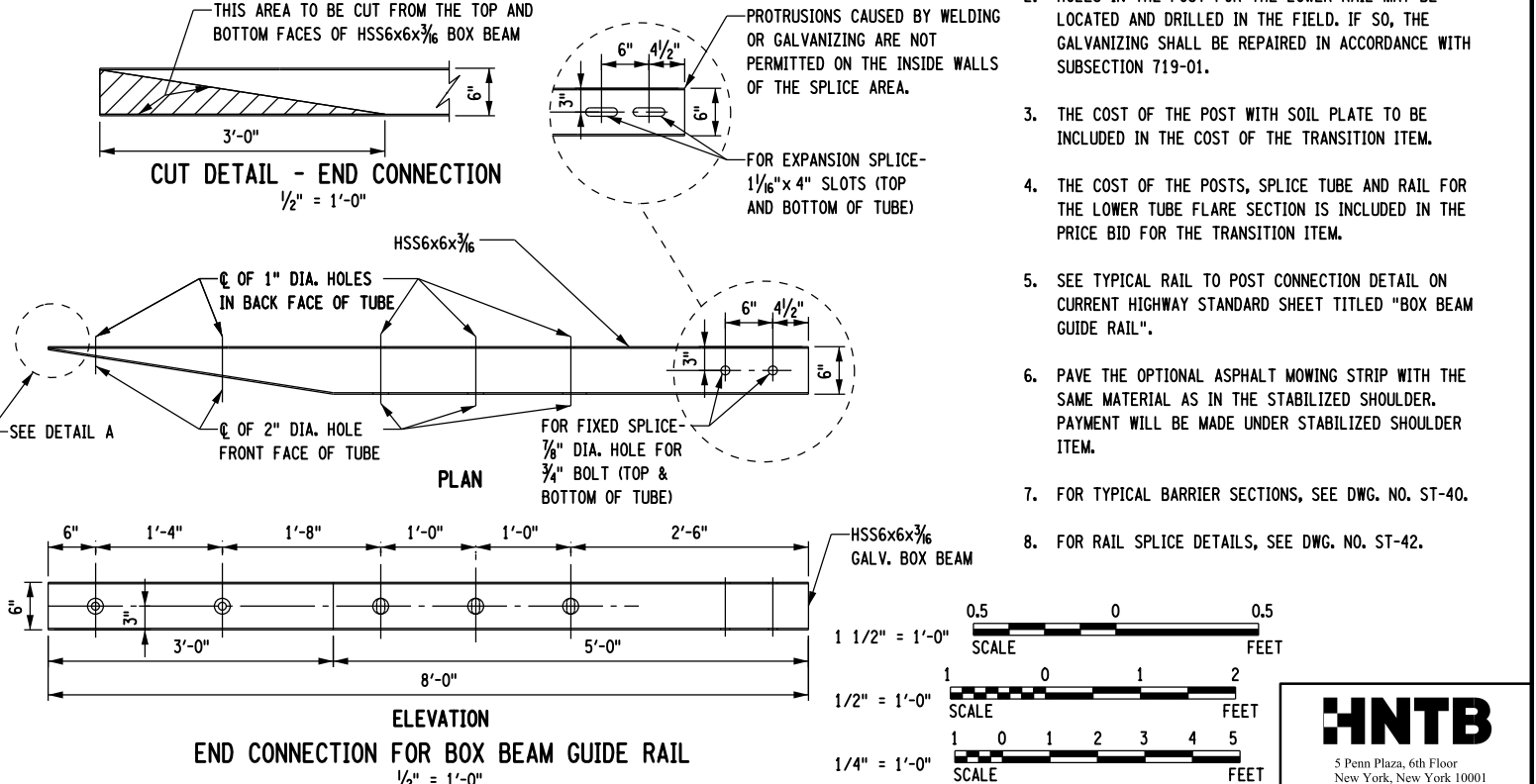
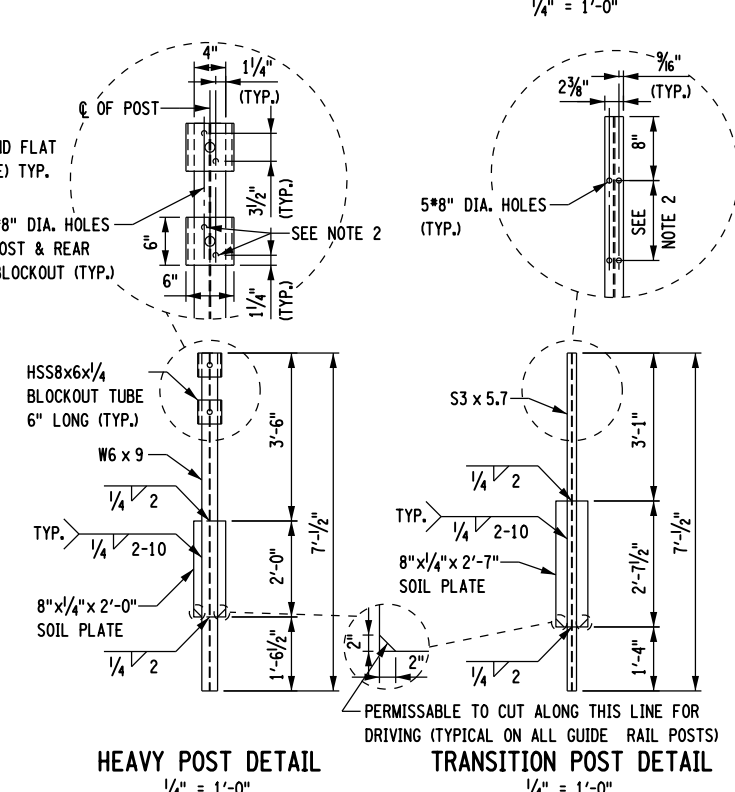
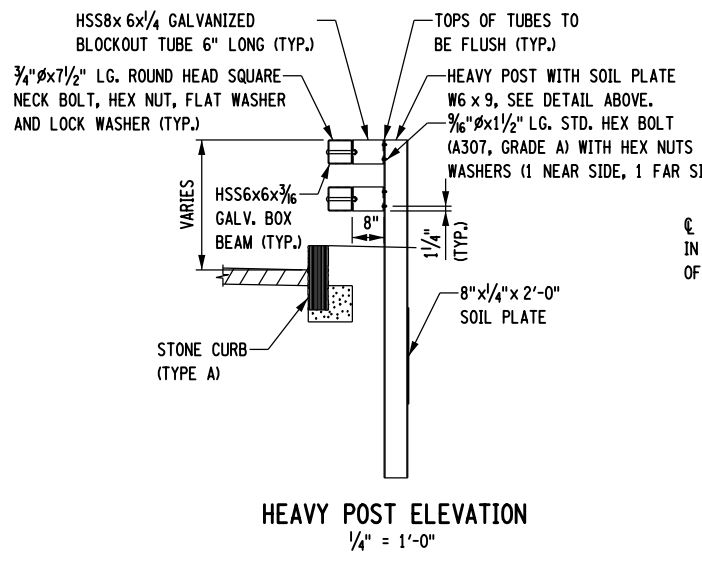
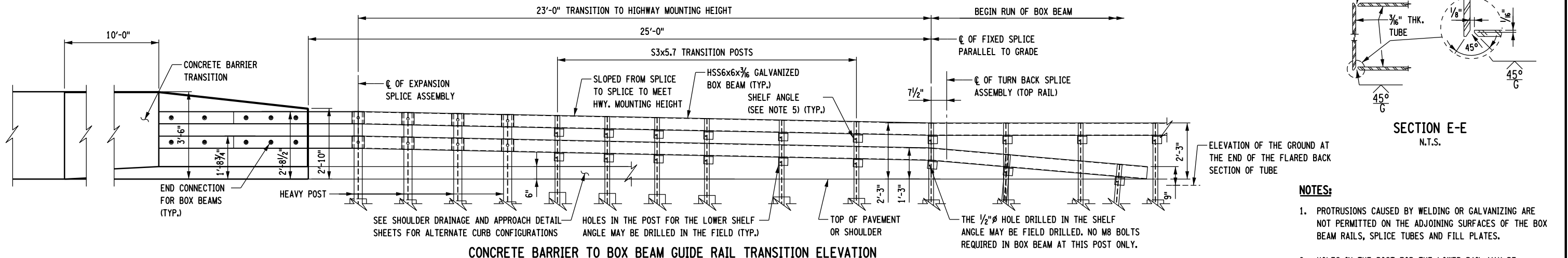
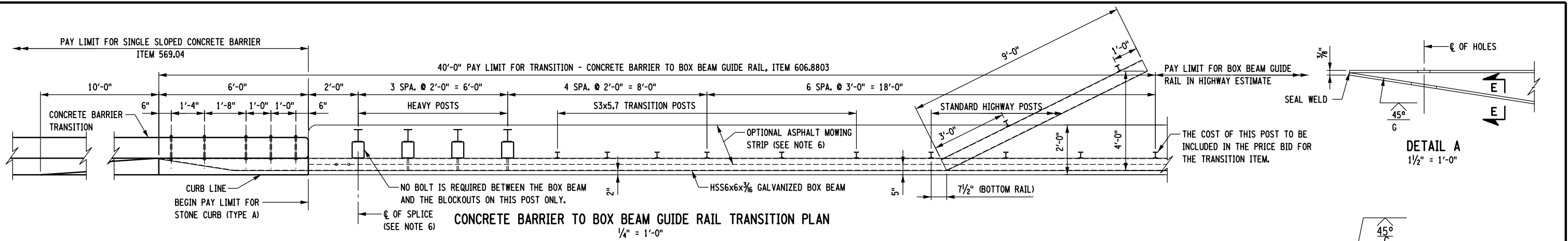
AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12
 ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD F.I.S.H. 64-19, BREWSTER TO CT STATE LINE TOWN OF SOUTHEAST COUNTY: PUTNAM	PIN 8062.10 I 84	BRIDGES 1032621 1032622 BIN 1032621 BIN 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
BARRIER DETAILS 1 OF 3					DRAWING NO. ST-40 SHEET NO. 173	
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08 DOCUMENT NAME:

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

FILE NAME = 06nyw006dep16cadd045737 TRBPhase 4 Dingle Ridge Road0606210.cpb_ST-41_rlg.barrier.dgn
 DATE/TIME = 06-AUG-2012 16:07
 USER = pella

PROJECT MANAGER B. SIVAKUMAR
 CHECK S. LIN
 DRAFTING C. BROSTO
 CHECK F. PADILLA
 DESIGN G. HARRELL
 JOB MANAGER B. SIVAKUMAR
 DESIGN SUPERVISOR B. SIVAKUMAR



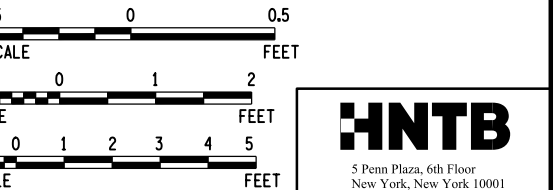
- NOTES:**
- PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.
 - HOLES IN THE POST FOR THE LOWER RAIL MAY BE LOCATED AND DRILLED IN THE FIELD. IF SO, THE GALVANIZING SHALL BE REPAIRED IN ACCORDANCE WITH SUBSECTION 719-01.
 - THE COST OF THE POST WITH SOIL PLATE TO BE INCLUDED IN THE COST OF THE TRANSITION ITEM.
 - THE COST OF THE POSTS, SPLICE TUBE AND RAIL FOR THE LOWER TUBE FLARE SECTION IS INCLUDED IN THE PRICE BID FOR THE TRANSITION ITEM.
 - SEE TYPICAL RAIL TO POST CONNECTION DETAIL ON CURRENT HIGHWAY STANDARD SHEET TITLED "BOX BEAM GUIDE RAIL".
 - PAVE THE OPTIONAL ASPHALT MOWING STRIP WITH THE SAME MATERIAL AS IN THE STABILIZED SHOULDER. PAYMENT WILL BE MADE UNDER STABILIZED SHOULDER ITEM.
 - FOR TYPICAL BARRIER SECTIONS, SEE DWG. NO. ST-40.
 - FOR RAIL SPLICE DETAILS, SEE DWG. NO. ST-42.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12



ALTERED BY: ON:

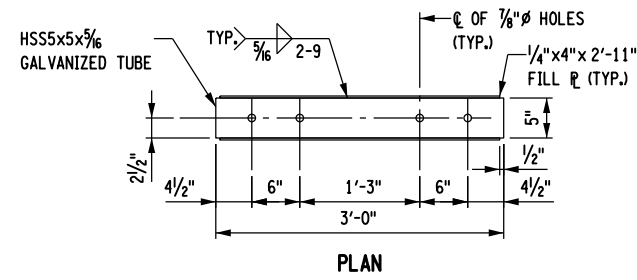
AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD F.I.S.H. 64-19, BREWSTER TO CT STATE LINE TOWN OF SOUTHEAST COUNTY: PUTNAM	PIN 8062.10 I 84	BRIDGES 1032621 1032622 BIN 1032621 BIN 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
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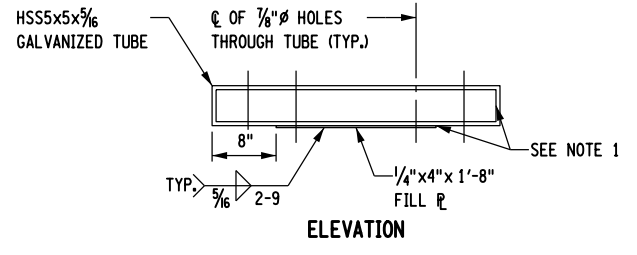
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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FILE NAME = 06nyw006dep1f0cadd045737 TRB@Phase 4 Dingle Ridge Road0806210.apb_ST-42_rlg.barrier.dgn
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 USER = pello

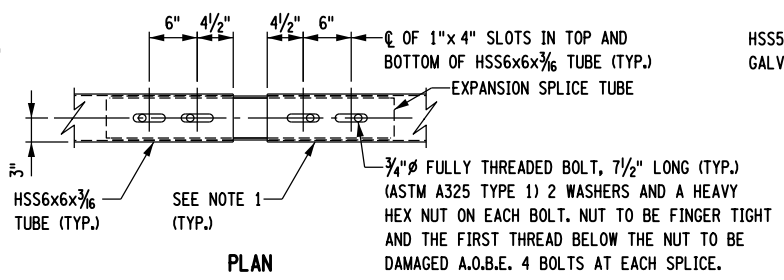
DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN G. HARRELL DRAFTING C. BROSDO CHECK F. PADILLA CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR



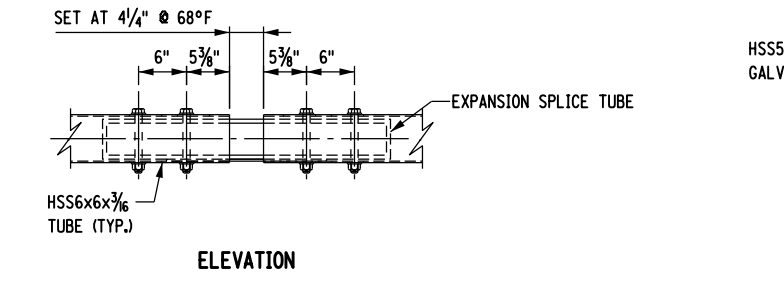
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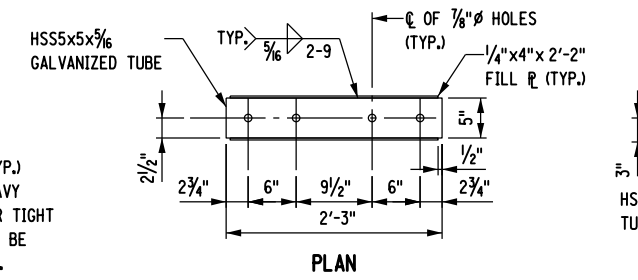
ELEVATION
EXPANSION SPLICE TUBE



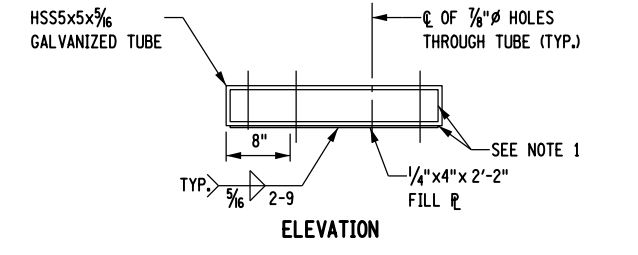
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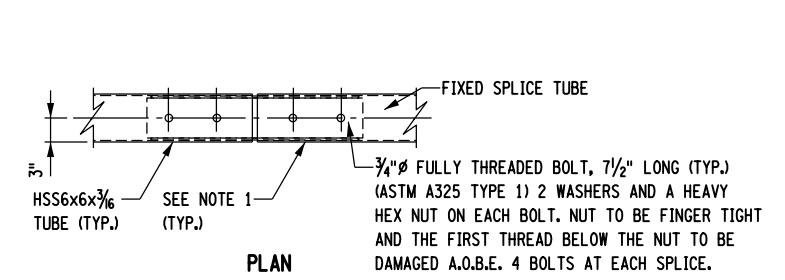
ELEVATION
EXPANSION SPLICE ASSEMBLY



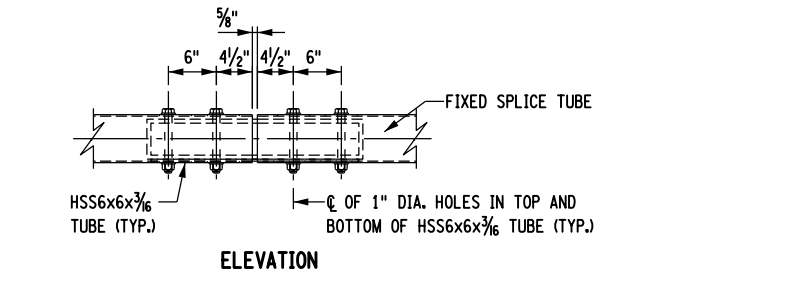
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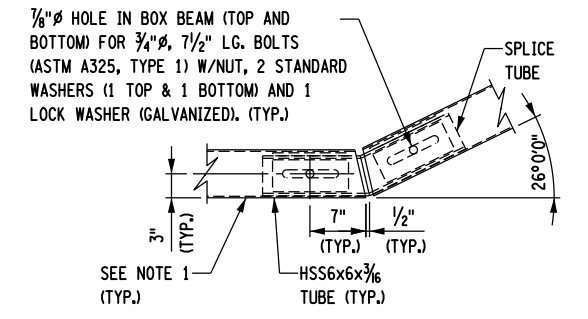
ELEVATION
FIXED SPLICE TUBE



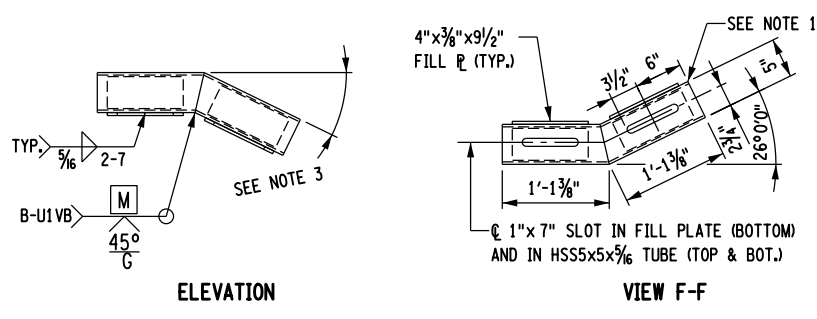
PLAN



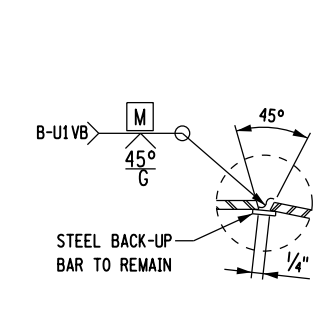
ELEVATION
FIXED SPLICE ASSEMBLY



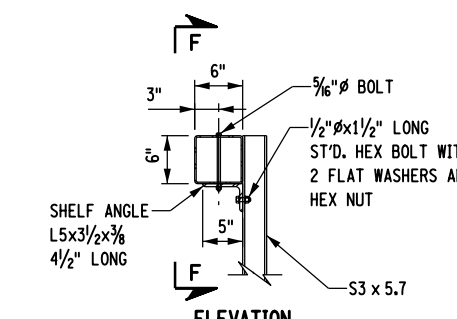
SPLICE DETAIL AT TURN BACK IN LOWER TRANSITION GUIDE RAIL



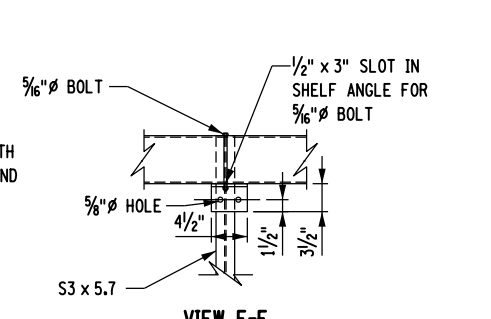
SPLICE TUBE DETAIL FOR TURN BACK



WELD DETAIL FOR SPLICE TUBE
N.T.S.



ELEVATION
TYPICAL RAIL TO POST CONNECTION



VIEW F-F

NOTES:

- PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.
- FOR ADDITIONAL DETAILS, SEE CURRENT HIGHWAY STANDARD SHEET, "BOX BEAM GUIDE RAIL."
- ANGLE IS DETERMINED BY THE 9" MEASUREMENT AT THE END OF THE BOX BEAM. SEE "ELEVATION OF TRANSITION" ON DWG. NO. ST-41.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C. ON: 08/06/12
 ALTERED BY: ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

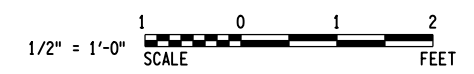
I-84 OVER DINGLE RIDGE ROAD
 F.I.S.H. 64-19, BREWSTER TO CT STATE LINE
 TOWN OF SOUTHEAST
 COUNTY: PUTNAM

PIN 8062.10
 I 84

BRIDGES 1032621 1032622
 CULVERTS BIN 1032621 BIN 1032622

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
 BARRIER DETAILS 3 OF 3

CONTRACT NUMBER D262100
 DRAWING NO. ST-42
 SHEET NO. 175



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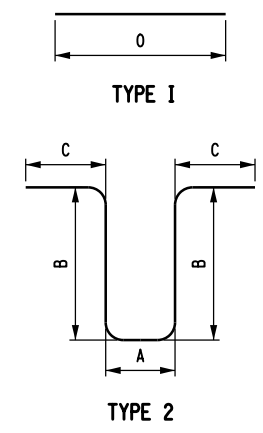
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
 DOCUMENT NAME:

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.apb.ST-43.tbl_bar_list_NEXT.dgn
 DATE/TIME = 06-AUG-2012 16:07
 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN G. HARRELL DRAFTING F. PADILLA CHECK F. PADILLA DRAFTING F. PADILLA CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR

BAR LIST - NEXT BEAMS

	MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R	
INTERIOR NEXT BEAM	5BE7	150	6'-9 1/2"	2	1,063	10 1/4"	2'-7 1/4"	1'-8"													
	6BE8	28	6'-9 1/2"	2	286	10 1/4"	2'-7 1/4"	1'-8"													
	5BS9	155	10'-7 1/2"	1	1,718															10'-7 1/2"	
	5BE10	155	10'-7 1/2"	1	1,718															10'-7 1/2"	
	5BS5	42	29'-1 1/4"	1	1,276															29'-1 1/4"	
	5BE6	42	29'-1 1/4"	1	1,276															29'-1 1/4"	
TOTAL EPOXY BARS					2,994 LBS. ITEM 563.00010108, PER BEAM.																
TOTAL STAINLESS BARS					4,343 LBS. ITEM 563.00010108, PER BEAM.																
EXTERIOR NEXT BEAM	5BE1	150	5'-2 1/2"	2	815	10 1/4"	2'-7 1/4"	10 1/2"													
	6BE2	28	5'-2 1/2"	2	220	10 1/4"	2'-7 1/4"	10 1/2"													
	5BS3	155	8'-4"	1	1,348															8'-4"	
	5BE4	155	8'-4"	1	1,348															8'-4"	
	5BS5	36	29'-1 1/4"	1	1,094															29'-1 1/4"	
	5BE6	36	29'-1 1/4"	1	1,094															29'-1 1/4"	
TOTAL EPOXY BARS					3,477 LBS. ITEM 563.00010208, PER BEAM.																
TOTAL STAINLESS BARS					2,442 LBS. ITEM 563.00010208, PER BEAM.																
CLOSURE POUR	5JS1	30	27'-1 1/4"	1	849															27'-1 1/4"	
	TOTAL STAINLESS BARS					849 LBS. ITEM 556.0205, PER BRIDGE.															



- NOTES:**
- FOR NEXT BEAM DETAILS, SEE DWG. NOS. ST-28 TO ST-30.
 - FOR CLOSURE POUR DETAILS, SEE DWG. NOS. ST1-22 AND ST2-22.
 - CLOSURE POUR BAR LIST ONLY INCLUDE THE SUPERSTRUCTURE SECTION. FOR THE APPROACH SLAB SECTION, SEE DWG. NO. ST-46.
 - ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS.
 - FOR BAR LEGEND, SEE DWG. NO. ST1-24.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: _____
 ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD F.J.S.H. 64-19, BREWSTER TO CT STATE LINE TOWN OF SOUTHEAST COUNTY: PUTNAM	PIN 8062.10 I 84	BRIDGES 1032621 1032622 BIN 1032621 BIN 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
PRECAST BEAMS BAR LIST					DRAWING NO. ST-43	SHEET NO. 176
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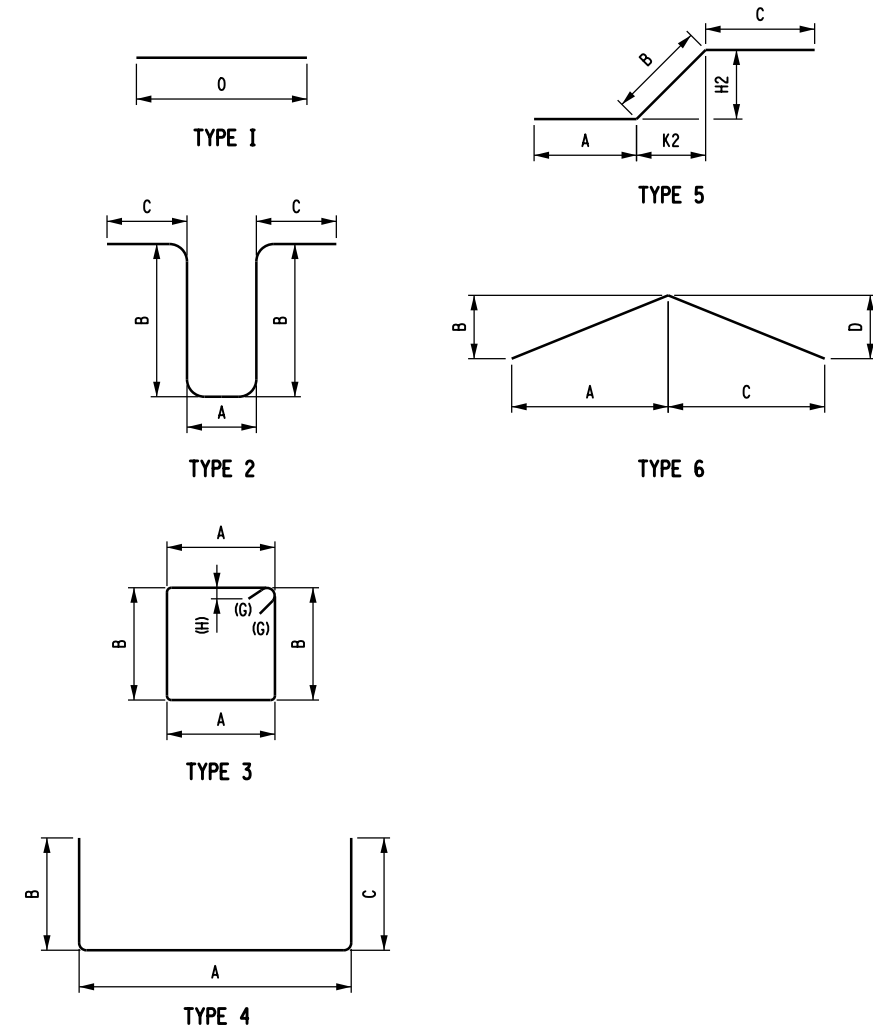
HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0606210.opb.ST-44.tbl_bar_list_end.dph.dgn
 DATE/TIME = 06-AUG-2012 16:07
 USER = pella

DESIGN SUPERVISOR B. SIVAKUMAR PROJECT MANAGER B. SIVAKUMAR
 JOB MANAGER B. SIVAKUMAR CHECK S. LIN
 DESIGN G. HARRELL CHECK F. PADILLA
 DRAFTING F. PADILLA

BAR LIST - END DIAPHRAGM

	MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R
SLIDE SHOE	5DE1	14	5'-4"	2	78	10"	1'-7"	8"												
	6DE2	3	11'-0"	2	50	6'-6"	1'-7"	8"												
TOTAL EPOXY BARS					—	128 LBS. ITEM 563.11000008, PER SLIDE SHOE.														
TOTAL (4 SHOES)					—	512 LBS. ITEM 563.11000008, PER END DIAPHRAGM.														
PUSH BLOCK	6DE3	6	6'-2"	3	56	10"	1'-7"					8"	4 1/2"							
	6DE4	3	4'-6"	4	21	1'-5"	1'-0"	2'-1"												
	6DE5	3	4'-1"	5	19	2'-1"	1'-6"	6"						1'-5"			6"			
TOTAL EPOXY BARS					—	96 LBS. ITEM 563.11000008, PER END DIAPHRAGM.														
PRECAST (STAGE A)	5DE6	146	7'-0"	4	1,066	3'-8"	1'-8"	1'-8"												
	5DE7	61	3'-2"	1	202															3'-2"
	5DE8	73	2'-5"	1	185															2'-5"
	5DE9	4	56'-8"	1	237															56'-8"
	5DE10	2	4'-8"	4	10	3'-8"	6"	6"												
	8DE11	8	56'-8"	1	1,211															
TOTAL EPOXY BARS					—	4,129 LBS. ITEM 563.11000008, PER END DIAPHRAGM.														
C.I.P. (STAGE C)	8DE12	1	57'-0"	6	60	28'-9"	6 7/8"	28'-3"	5 1/2"											
	5DE13	46	7'-0"	4	336	2'-0"	2'-8"	2'-4"												
	5DE14	73	3'-4"	4	254	1'-0"	2'-4"	0												
	5DE15	24	4'-4"	4	109	2'-0"	2'-4"	0												
	5DE16	5	57'-0"	6	429	28'-9"	6 7/8"	28'-3"	5 1/2"											
TOTAL EPOXY BARS					—	1,188 LBS. ITEM 556.0202, PER END DIAPHRAGM.														
CLOSURE POUR	5DE16	2	57'-0"	6	172	28'-9"	6 7/8"	28'-3"	5 1/2"											
	6DE17	12	57'-0"	6	1,028	28'-9"	6 7/8"	28'-3"	5 1/2"											
TOTAL EPOXY BARS					—	1,200 LBS. ITEM 556.0202, PER END DIAPHRAGM.														



- NOTES:**
- FOR END DIAPHRAGM DETAILS, SEE DWG. NOS. ST-31 THRU ST-34.
 - FOR SLIDE SHOE DETAILS, SEE DWG. NO. ST-35.
 - ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS.
 - FOR BAR LEGEND, SEE DWG. NO. ST1-24.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: _____
 ON: _____

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD F.I.S.H. 64-19, BREWSTER TO CT STATE LINE TOWN OF SOUTHEAST COUNTY: PUTNAM	PIN 8062.10 I 84	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
END DIAPHRAGM BAR LIST					DRAWING NO. ST-44 SHEET NO. 177	
					NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08 DOCUMENT NAME:	

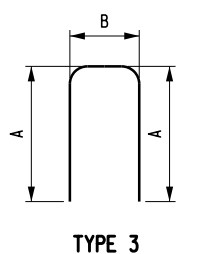
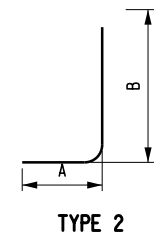
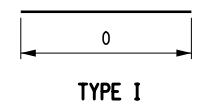


FILE NAME = 06nyw006dep16caddp45737 TRB@Phase 4 Dingle Ridge Road0606210.apb_ST-45.tbl_bar_list_sleeper.dgn
 DATE/TIME = 06-AUG-2012 18:50
 USER = slm

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN G. HARRELL CHECK F. PADILLA DRAFTING F. PADILLA CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR

BAR LIST - SLEEPER SLABS

	MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R	
SLEEPER SLAB SEGMENT A	5SA1	19	4'-6"	1	89														4'-6"		
	5SAE2	19	4'-6"	1	89														4'-6"		
	5SA3	7	18'-6"	1	135														18'-6"		
	5SAE6	7	18'-6"	1	135														18'-6"		
	5SAE9	38	3'-8"	2	145	0'-10"	2'-10"														
	5SAE10	19	4'-10"	3	96	2'-1"	0'-8"	2'-1"													
	5SAE11	8	18'-6"	1	154														18'-6"		
TOTAL BLACK BARS					224 LBS. ITEM 557.20000008 PER SLEEPER SLAB																
TOTAL EPOXY BARS					620 LBS. ITEM 557.20000008 PER SLEEPER SLAB																
SLEEPER SLAB SEGMENT B	5SA1	26	4'-6"	1	122														4'-6"		
	5SAE2	26	4'-6"	1	122														4'-6"		
	5SA4	7	25'-6"	1	186														25'-6"		
	5SAE7	7	25'-6"	1	186														25'-6"		
	5SAE9	52	3'-8"	2	199	0'-10"	2'-10"														
	5SAE10	26	4'-10"	3	131	2'-1"	0'-8"	2'-1"													
	5SAE12	8	25'-6"	1	213														25'-6"		
TOTAL BLACK BARS					308 LBS. ITEM 557.20000008 PER SLEEPER SLAB																
TOTAL EPOXY BARS					851 LBS. ITEM 557.20000008 PER SLEEPER SLAB																
SLEEPER SLAB SEGMENT C	5SA1	14	4'-6"	1	66														4'-6"		
	5SAE2	14	4'-6"	1	66														4'-6"		
	5SA5	7	13'-6"	1	99														13'-6"		
	5SAE8	7	13'-6"	1	99														13'-6"		
	5SAE9	28	3'-8"	2	107	0'-10"	2'-10"														
	5SAE10	14	4'-10"	3	71	2'-1"	0'-8"	2'-1"													
	5SAE13	8	13'-6"	1	113														13'-6"		
TOTAL BLACK BARS					164 LBS. ITEM 557.20000008 PER SLEEPER SLAB																
TOTAL EPOXY BARS					455 LBS. ITEM 557.20000008 PER SLEEPER SLAB																



NOTES:

- ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS.
- FOR SLEEPER SLAB DETAILS, SEE DWG. NOS. ST-36 TO ST-37.
- FOR BAR LEGEND, SEE DWG. NO. ST1-24.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY:
 ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	BIN 1032621 BIN 1032622		SLEEPER SLABS BAR LIST	DRAWING NO. ST-45
	TOWN OF SOUTHEAST					SHEET NO. 178
	COUNTY: PUTNAM					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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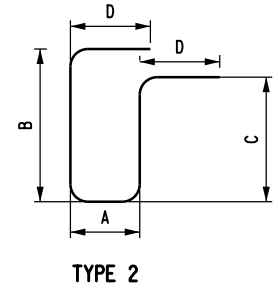
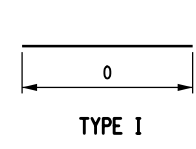
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08
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FILE NAME = 06nyw006dep10cadd045737 TRB@Phase 4 Dingle Ridge Road0606210_cpb_ST-46.tbl_bar_list_approach_sib.dgn
 DATE/TIME = 27-AUG-2012 04:21
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN G. HARRELL DRAFTING F. PADILLA CHECK F. PADILLA CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR

BAR LIST - APPROACH SLABS

	MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R
EXTERIOR SLAB UNIT	5SAE10	12	32'-7"	1	408														32'-7"	
	5SAE11	19	32'-7"	1	1653														32'-7"	
	5SAE12	37	8'-3"	1	318														8'-3"	
	5SAE13	37	8'-3"	1	318														8'-3"	
	5SAE14	8	10'-5"	2	87	0'-8"	4'-2"	3'-11"	0'-10"											
TOTAL EPOXY BARS					—	813 LBS. ITEM 557.64040208, PER UNIT.														
TOTAL BLACK BARS					—	1,971 LBS. ITEM 557.64040208, PER UNIT.														
INTERIOR SLAB UNIT	5SAE10	14	32'-7"	1	476														32'-7"	
	5SAE11	22	32'-7"	1	1914														32'-7"	
	5SAE15	37	10'-7 1/2"	1	410														10'-7 1/2"	
	5SAE16	37	10'-7 1/2"	1	410														10'-7 1/2"	
	5SAE14	10	10'-5"	2	109	0'-8"	4'-2"	3'-11"	0'-10"											
TOTAL EPOXY BARS					—	994 LBS. ITEM 557.64040108, PER UNIT.														
TOTAL BLACK BARS					—	2,324 LBS. ITEM 557.64040108, PER UNIT.														
CLOSURE POUR	5JE2	10	32'-7"	1	340														32'-7"	
	5J3	10	32'-7"	1	340														32'-7"	
TOTAL EPOXY BARS					—	340 LBS. ITEM 556.0202, PER APPROACH.														
TOTAL BLACK BARS					—	340 LBS. ITEM 556.0201, PER APPROACH.														



EASTBOUND TOTAL

TOTAL EPOXY BARS	—	680 LBS. ITEM 556.0202, PER BRIDGE.
TOTAL BLACK BARS	—	680 LBS. ITEM 556.0201, PER BRIDGE.

WESTBOUND TOTAL

TOTAL EPOXY BARS	—	680 LBS. ITEM 556.0202, PER BRIDGE.
TOTAL BLACK BARS	—	680 LBS. ITEM 556.0201, PER BRIDGE.

NOTES:

- FOR APPROACH SLAB DETAILS, SEE DWG. NOS. ST-38 TO ST-39.
- FOR CLOSURE POUR DETAILS, SEE DWG. NOS. ST1-22 AND ST2-22.
- ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS.
- FOR BAR LEGEND, SEE DWG. NO. ST1-24.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	F.I.S.H. 64-19, BREWSTER TO CT STATE LINE	I 84	BIN 1032621		APPROACH SLABS BAR LIST	D262100
	TOWN OF SOUTHEAST		BIN 1032622			DRAWING NO. ST-46
	COUNTY: PUTNAM					SHEET NO. 179

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

5 Penn Plaza, 6th Floor
 New York, New York 10001

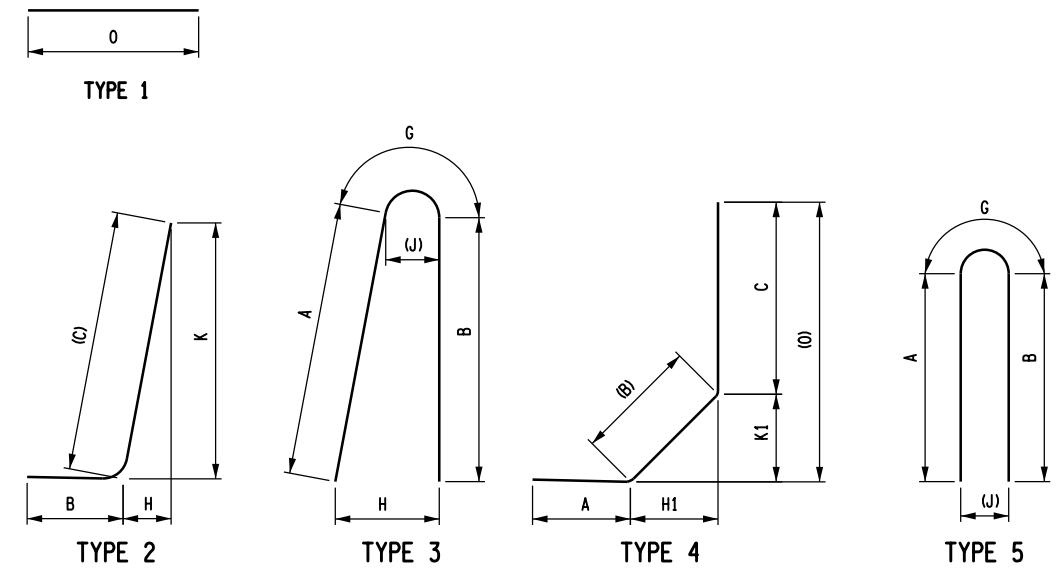
CONTRACT NUMBER: D262100
 DRAWING NO. ST-46
 SHEET NO. 179

FILE NAME = 06nyw006dep16cadd045737 TRB@Phase 4 Dingle Ridge Road0806210.apb.ST-47.tbl_bar_list_barrier.dgn
 DATE/TIME = 06-AUG-2012 16:07
 USER = pello

DESIGN SUPERVISOR B. SIVAKUMAR JOB MANAGER B. SIVAKUMAR DESIGN G. HARRELL DRAFTING F. PADILLA CHECK F. PADILLA CHECK S. LIN PROJECT MANAGER B. SIVAKUMAR

BAR LIST - BARRIER

MARK	NO.	LENGTH	TYPE	WEIGHT	A	B	C	D	E	F	G	H H1	H2	J	K K1	K2	L	O	R
LEFT BARRIER																			
7PE1	36	53'-4 1/2"	1	3,929														53'-4 1/2"	
6PE2	226	3'-8 1/2"	2	1,259		1'-0"	2'-8 1/2"					6"			2'-8"				
5PE3	226	6'-4 5/8"	3	1,507	2'-10 1/4"	2'-9"					9 1/2"	1'-1"		6"					
5PE4	226	2'-10"	1	668														2'-10"	
6PE5	27	4'-3 1/4"	4	174	1'-0"	1'-2 1/4"	2'-1"					10"			10"			2'-10"	2'-11"
5PE6	27	5'-1 3/8"	5	145	2'-2"	2'-2"					9 1/2"			6"					
5PE7	27	6'-3 3/8"	5	178	2'-9"	2'-9"					9 1/2"			6"					
RIGHT BARRIER																			
7PE1	36	53'-4 1/2"	1	3,929														53'-4 1/2"	
6PE2	226	3'-8 1/2"	2	1,259		1'-0"	2'-8 1/2"					6"			2'-8"				
5PE3	226	6'-4 5/8"	3	1,507	2'-10 1/4"	2'-9"					9 1/2"	1'-1"		6"					
5PE4	226	2'-10"	1	668														2'-10"	
6PE5	27	4'-3 1/4"	4	174	1'-0"	1'-2 1/4"	2'-1"					10"			10"			2'-10"	2'-11"
5PE6	27	5'-1 3/8"	5	145	2'-2"	2'-2"					9 1/2"			6"					
5PE7	27	6'-3 3/8"	5	178	2'-9"	2'-9"					9 1/2"			6"					
TOTAL EPOXY BARS				—	7,860 LBS. ITEM 569.04, PER BARRIER.														
TOTAL EPOXY BARS				—	15,720 LBS. ITEM 569.04, PER BRIDGE.														



- NOTES:**
- FOR BARRIER DETAILS, SEE DWG. NOS. ST-40 TO ST-41.
 - ALL DIMENSIONS ARE OUT-TO-OUT DIMENSIONS.
 - FOR BAR LEGEND, SEE DWG. NO. ST1-24.

AFFIX SEAL: HNTB NY ENGINEERING & ARCHITECTURE, P.C.
 ON: 08/06/12

ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD F.I.S.H. 64-19, BREWSTER TO CT STATE LINE TOWN OF SOUTHEAST COUNTY: PUTNAM	PIN 8062.10 I 84	BRIDGES 1032621 1032622 BIN 1032621 BIN 1032622	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D262100	
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.					BARRIER BAR LIST		DRAWING NO. ST-47
							SHEET NO. 180
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 08						DOCUMENT NAME:	

HNTB
 5 Penn Plaza, 6th Floor
 New York, New York 10001

FILE NAME = 806210EST.01.dgn
 DATE/TIME = DGN\$SYTIME0123456
 USER = DGN\$USERNAME

DESIGN SUPERVISOR: S. GEIGER
 JOB MANAGER
 DESIGN: O. OLARTE
 DRAFTING
 CHECK
 PROJECT MANAGER

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
201.06	CLEARING AND GRUBBING	LS	1.0
202.120001	REMOVING EXISTING SUPERSTRUCTURES	LS	1.0
202.120002	REMOVING EXISTING SUPERSTRUCTURES	LS	1.0
202.19	REMOVAL OF SUBSTRUCTURES	CY	122.0
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	13250.0
203.03	EMBANKMENT IN PLACE	CY	12500.0
203.07	SELECT GRANULAR FILL	CY	400.0
203.21	SELECT STRUCTURE FILL	CY	374.0
204.01	CONTROLLED LOW STRENGTH MATERIAL (CLSM)	CY	1472.0
206.01	STRUCTURE EXCAVATION	CY	1092.0
206.04	TRENCH AND CULVERT EXCAVATION - O.G.	CY	835.0
207.20	GEOTEXTILE BEDDING	SY	840.0
207.22	GEOTEXTILE DRAINAGE	SY	200.0
207.26	PREFABRICATED COMPOSITE STRUCTURAL DRAIN	SY	382.0
207.96000017	.GEO SYNTHETIC REINFORCEMENT	SF	36
209.100101	MULCH - TEMPORARY	SY	44000.0
209.1003	SEED AND MULCH - TEMPORARY	SY	22000.0
209.110102	CHECK DAM (DITCH BOTTOM WIDTH > 3' TO 6', STONE-TEMPORARY)	EA	3.0
209.1105	CHECK DAM, PREFABRICATED - TEMPORARY	LF	30.0
209.1106	CHECK DAM, STONE-PERMANENT	EA	4.0
209.13	SILT FENCE-TEMPORARY	LF	6620.0
209.1704	DRAINAGE STRUCTURE INLET PROTECTION, CONCRETE BLOCK-TEMPORARY	LF	450.0
209.200301	TURF REINFORCEMENT MATS, CLASS III TYPE C, PERMANENT	SY	5250.0
209.22	CONSTRUCTION ENTRANCE	SY	900.0
210.3312	REMOVAL AND DISPOSAL OF BOND BREAKER/FILLER ACM (BV14)	SF	140.0
304.11000008	.OSUBBASE COURSE (MODIFIED)	CY	2560
402.017902	TRUE & LEVELING F9, SUPERPAVE HMA, 70 SERIES COMPACTION	TON	420.0
402.017912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.017902	QU	21.0
402.126102	12.5 F1 TOP COURSE HMA, 60 SERIES COMPACTION	TON	3500.0

ESTIMATE OF QUANTITIES			
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
402.126112	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.126102	QU	175.0
402.126122	PAVEMENT DENSITY QUALITY ADJUSTMENT TO 402.126102	QU	1.0
402.126152	TEST SECTION ADJUSTMENT TO 402.126102	QU	200.0
402.256902	25 F9 BINDER COURSE HMA, 60 SERIES COMPACTION	TON	50.0
402.256912	PLANT PRODUCTION QUALITY ADJUSTMENT TO 402.256902	QU	3.0
402.256922	PAVEMENT DENSITY QUALITY ADJUSTMENT TO 402.256902	QU	1.0
402.256952	TEST SECTION ADJUSTMENT TO 402.256902	QU	200.0
404.01790108	.OTRUE & LEVELING F9, SUPERPAVE HMA, 70 SERIES COMPACTION	TON	6600
404.01791108	.OPLANT PRODUCTION QUALITY ADJUSTMENT TO 404.01790108	QU	330
407.0101	TACK COAT	GAL	1700.0
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY	1900.0
520.50140008	.OSAW CUTTING, ASPHALT PAVEMENT, ASPHALT SURFACE COURSE, CONCRETE PAVEMENT OR ASPHALT OVERLAY ON CONCRETE PAVEMENT	LF	4700
551.60000017	.OFURNISHING EQUIPMENT FOR INSTALLING DRILLED SHAFTS	LS	1
551.96000017	.OCROSSHOLE SONIC LOGGING (CSL) OF DRILLED SHAFTS	EAC	8
551.99495508	.ODRILLED SHAFTS	LF	271
552.16	EXCAVATION PROTECTION SYSTEM	SF	5300.0
554.42	FILL TYPE RETAINING WALL (GREATER THAN 12FT. - 18FT.)	SF	1521.0
554.43	FILL TYPE RETAINING WALL (GREATER THAN 18FT. - 24FT.)	SF	1090.0
554.53	FILL TYPE RETAINING WALL AESTHETIC TREATMENT - OTHER; AS SHOWN IN THE CONTRACT DOCUMENTS	SF	2610.0
555.0105	CONCRETE FOR STRUCTURES, CLASS A	CY	17.0
555.04400008	.OCONCRETE FOR STRUCTURES DESIGNATED BY COMPRESSIVE STRENGTH	CY	388
555.09	CONCRETE FOR STRUCTURES, CLASS HP	CY	128.0
556.0201	UNCOATED BAR REINFORCEMENT FOR CONCRETE STRUCTURES	LB	6192.0
556.0202	EPOXY-COATED BAR REINFORCEMENT FOR STRUCTURES	LB	91639.0
556.0205	STAINLESS STEEL BAR REINFORCEMENT FOR STRUCTURES	LB	1698.0
557.20000008	.OPRECAST CONCRETE SLEEPER SLAB	LF	236
557.21010016	.OFIELD CAST JOINTS BETWEEN PRECAST CONCRETE UNITS	LF	1434
557.64040108	.OPRECAST CONCRETE APPROACH SLAB, TYPE 1	SF	5094
557.64040208	.OPRECAST CONCRETE APPROACH SLAB, TYPE 2	SF	2118

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	I-84 OVER DINGLE RIDGE ROAD	PIN 8062.10 1 84	BRIDGES 1032621 1032622	CULVERTS	ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED	CONTRACT NUMBER
	S.H. 64-06, BREWSTER TO CT STATE LINE					D262100
	TOWN OF SOUTHEAST					DRAWING NO. EQ-1
	COUNTY: PUTNAM					SHEET NO. 181

FILE NAME = 806210EST.03.dgn
 DATE/TIME = DGN\$SYTIME0123456
 USER = DGN\$USERNAME

DESIGN SUPERVISOR S. GEIGER

JOB MANAGER

DESIGN Q. OLARTE

CHECK

DRAFTING

CHECK

PROJECT MANAGER

ESTIMATE OF QUANTITIES

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
619.1703	TEMPORARY CONCRETE BARRIER, (PINNED)	LF	5000.0
619.1802	TEMPORARY IMPACT ATTENUATOR - REDIRECTIVE (TEST LEVEL 2)	EA	6.0
619.24	NIGHTTIME OPERATIONS	LS	1.0
619.25	TRAFFIC CONTROL SUPERVISOR	MNTH	8.0
619.55010108	.00DEDICATED POLICE SERVICES	DC	50000
620.03	STONE FILLING (LIGHT)	CY	460.0
621.03	CLEANING CLOSED DRAINAGE SYSTEMS	LF	1300.0
621.04	CLEANING DRAINAGE STRUCTURES	EA	9.0
621.51000015	.0GRADING CLEANING AND RESHAPING EXISTING DITCHES	LF	285
623.12000008	.0CRUSHED STONE (IN PLACE MEASURE) MODIFIED	CY	62
625.01	SURVEY OPERATIONS	LS	1.0
633.11	CLEANING EXISTING PAVEMENT AND/OR SHOULDERS	SY	30000.0
637.14	ENGINEER'S FIELD OFFICE - TYPE 4	MNTH	16.0
637.34	OFFICE TECHNOLOGY AND SUPPLIES	DC	5000.0
639.10220001	.0CPM (CRITICAL PATH METHOD) PROGRESS SCHEDULE - TYPE 2	LS	1
649.01	MILLED-IN AUDIBLE ROAD DELINEATORS (MIARDS)	LF	5600.0
655.0706	CAST FRAME F3, UNMOUNTABLE CURB BOX CU3 & RETICULINE GRATE G3	EA	3.0
655.0903	PARALLEL BAR FRAME 12 PCB & PARALLEL BAR GRATE 12 PCB	EA	13.0
655.1006	WELDED FRAME AND RECTANGULAR GRATE 6	EA	1.0
685.07200118	.0WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES- 20 MILS (WET NIGHT VISIBILITY SPHERES)	LF	21000
685.07200218	.0YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES- 20 MILS (WET NIGHT VISIBILITY SPHERES)	LF	9500
685.07200318	.0WHITE EPOXY REFLECTORIZED PAVEMENT LETTERS - 20 MILS(WET NIGHT VISIBILITY SPHERES)	EAC	12
685.07200418	.0WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS (WET NIGHT VISIBILITY SPHERES)	EAC	4
688.01	WHITE PREFORMED REFLECTORIZED PAVEMENT STRIPES	LF	60.0
691.03000020	.0TRAINING REQUIREMENTS	DC	7000
697.03	FIELD CHANGE PAYMENT	DC	450000.0
698.04	ASPHALT PRICE ADJUSTMENT	DC	13213.0
698.05	FUEL PRICE ADJUSTMENT	DC	3211.0
698.06	STEEL/IRON PRICE ADJUSTMENT	DC	200.0

ESTIMATE OF QUANTITIES

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
698.93940001	.0INCENTIVE PAYMENTS/DISINCENTIVE ASSESSMENTS /HOURLY BASIS	LS	1
699.040001	MOBILIZATION	LS	1.0

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:

I-84 OVER DINGLE RIDGE ROAD
S.H. 64-06, BREWSTER TO CT STATE LINE
TOWN OF SOUTHEAST
COUNTY: PUTNAM

PIN 8062.10 1 84

BRIDGES 1032621 1032622

CULVERTS

ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED
ESTIMATE OF QUANTITIES

CONTRACT NUMBER D262100
DRAWING NO. EQ-3
SHEET NO. 183