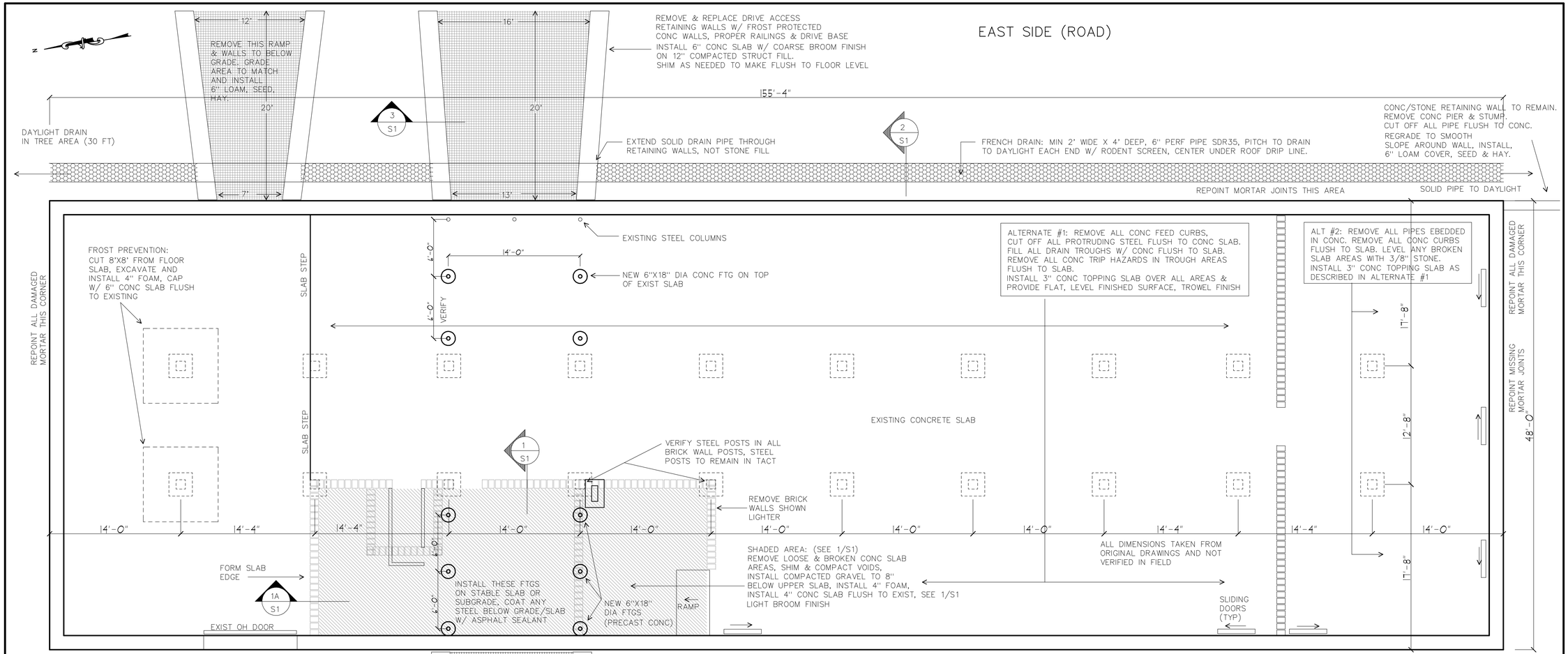
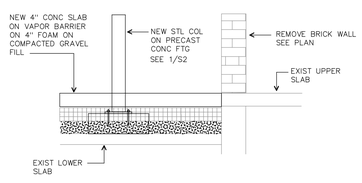
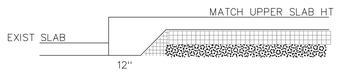




1 S1 NEW SLAB DETAIL

3500 PSI CONCRETE, 3/4" STONE, 5" SLUMP, FIBER MESH
4000 PSI & 6% AIR CONTENT AT EXTERIOR SLABS
XPS EXTRUDED POLYSTYRENE FOAM
MOISTOP VAPOR BARRIER OR EQUAL
SEE 3/S1 FOR COLD WEATHER & CURING REQUIREMENTS.



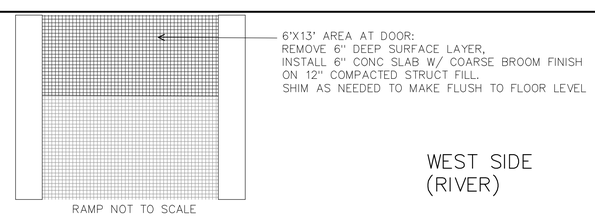
1A S1 SLAB EDGE DETAIL

STRUCTURAL FILL & COMPACTED GRANULAR FILL SPECIFICATION

SIEVE	PERCENT FINER BY WEIGHT
4"	100
3"	90 TO 100
1/4"	25 TO 90
NO 40	0 TO 30
NO 200	0 TO 5

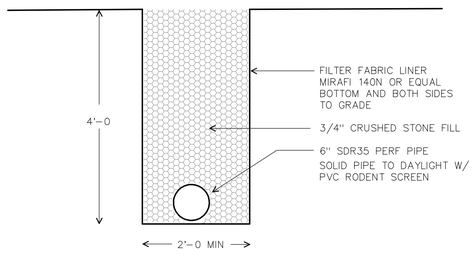
NOTE: ALL STRUCTURAL FILL ON WET CLAY/SILT SHALL BE PLACED ON APPROVED GEOTECHNICAL MATERIAL. CONSULT ENGINEER FOR PROPER TYPE DEPENDING ON SITE CONDITIONS.

ALL FILL UNDER CONCRETE SHALL BE COMPACTED TO 95% PROCTOR. CRUSHED STONE, CRUSHED GRAVEL AND CRUSHED LEDGE ARE ACCEPTABLE FILL MATERIALS UNDER CONCRETE FOOTINGS AND SLABS.



RAMP NOT TO SCALE

WEST SIDE (RIVER)

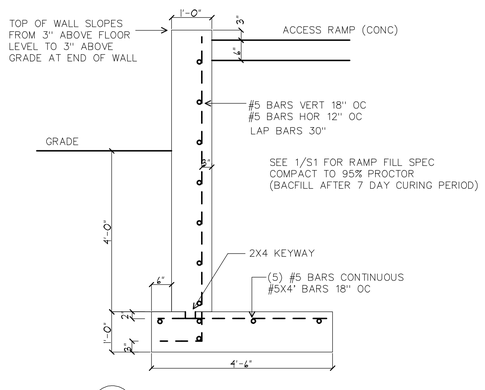


2 S1 FRENCH DRAIN DETAIL

FOUNDATION PLAN

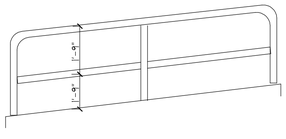
REPOINT ALL DAMAGED MORTAR THIS AREA

NOTE: REPOINTING/REPAIR BRICK AREA FOR BID 400 SF.



3 S1 RETAINING WALL

3500 PSI CONCRETE, 3/4" STONE, 5" SLUMP, 6% AIR
FOLLOW COLD WEATHER CONCRETE PRACTICES AS OUTLINED IN ACI 306 AT CONCRETE CURING ACI 308
MAINTAIN MIN 50 DEGREES FOR 5 DAYS, KEEP MOIST AND COVERED FOR MIN 7 DAYS CURE PERIOD.



RAMP PIPE RAILINGS: 42" HT, POSTS MAX 10' OC, SYSTEM:
http://www.superioraluminum.com/aluminum-railings/pipe/series500.php OR SIMILAR WITH APPROVAL OF OWNER
BASE MOUNT W/ (4) 3/8"X4" STAINLESS ALL THREAD ROD EPOXY INTO 3" DEEP DRILL HOLES, SIMPSON "AT" EPOXY OR EQUAL

4 S1 RAILING SYSTEM

BGS Project #167 / Campbell Barn
Structural Evaluation and Design
East Campus, Augusta, Maine

0 5 10 20 30
SCALE 3/16" = 1'-0 (FEET)

REVISIONS
12/22/14 RELEASE FOR BID

Civil & Structural Design
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Warren, ME 04864

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STATE OF MAINE
RANDOLPH D. SCAMFER
No. 5858
LICENSED
PROFESSIONAL ENGINEER

Randy D. Scamfer

Campbell Barn Structural Evaluation East Campus Augusta, Maine

DRAWN : RDS	CHECKED : RDS
DATE : 12/31/14	
SCALE : AS NOTED	
JOB NO. : 2014035	
SHEET S-1	

12/31/2014 12:30 PM C:\DATACAD 14\DRAWINGS\DATACADIL_14\BGS CAMPBELL BARN\CAMPBELLBARN.AEC