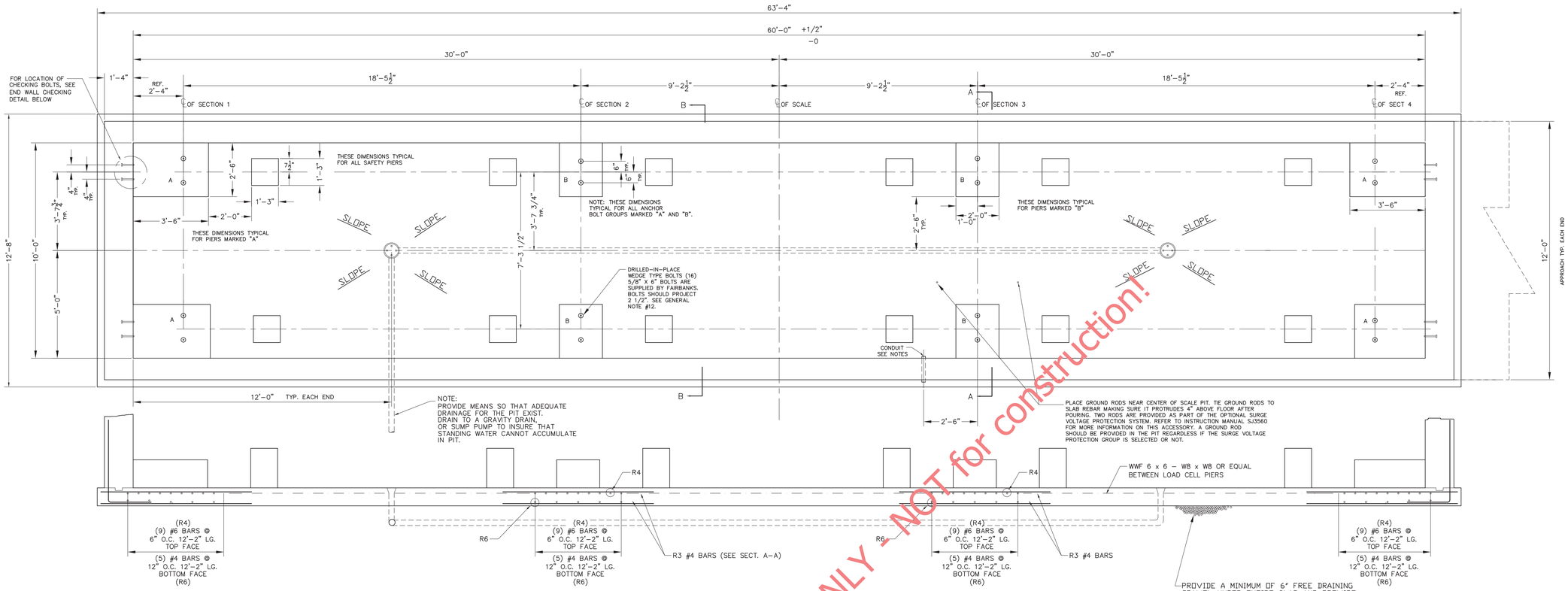
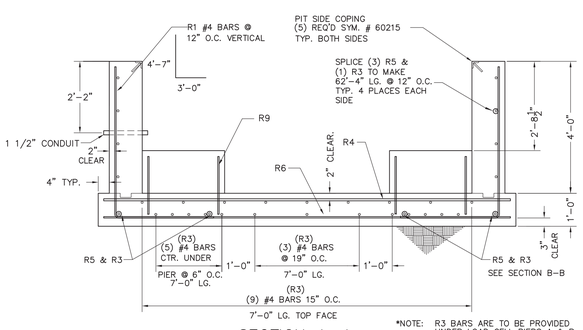
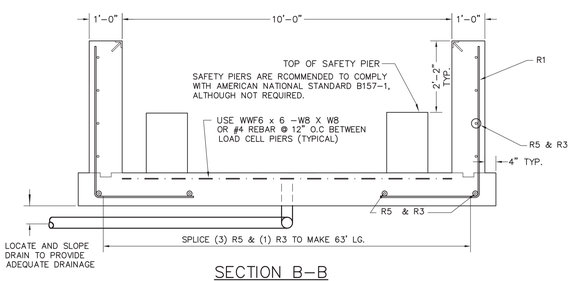




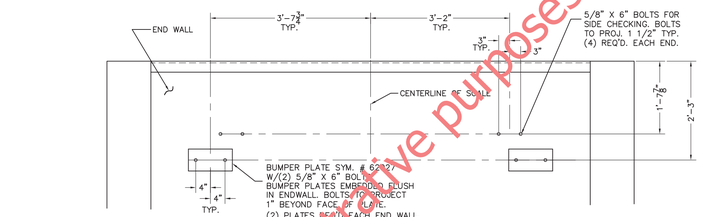
SECTION A–A

TYPICAL (4) PLACES

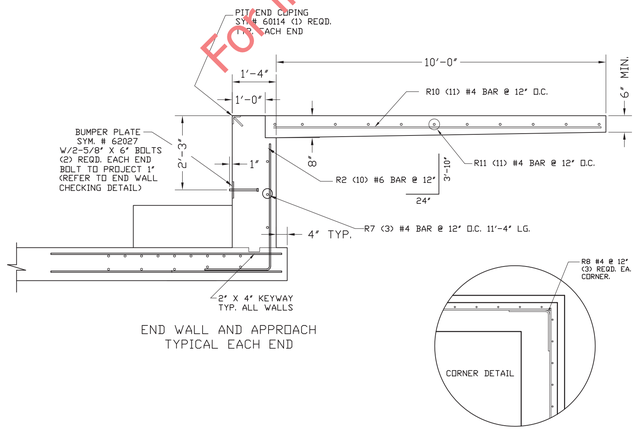
*NOTE: R3 BARS ARE TO BE PROVIDED UNDER LOAD CELL PIERS A & B IN ADDITION TO BARS SHOWN ON SECTION B–B



SECTION B–B

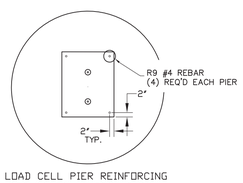


END WALL CHECKING DETAIL

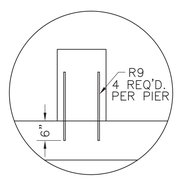


END WALL AND APPROACH TYPICAL EACH END

APPROX. EXCAVATION QTY = 215 CU. YDS. (BASED ON 2'–0" CLEARANCE AROUND SIDE OF PIT)



LOAD CELL PIER REINFORCING SEE SCHEDULE FOR LENGTH



SAFETY PIER REINFORCING

	REINFORCING BAR SCHEDULE				
SYM.	QTY.	SIZE	LENGTH	BENDING	WEIGHT
R1	124	#4	7'–7"	4'–7" \ 3'–0"	628
R2	20	#6	5'–10"	3'–10" \ 24"	173
R3	100	#4	7'–0"	7'–0"	468
R4	36	#6	12'–2"	12'–2"	658
R5	36	#4	20'–0"	20'–0"	481
R6	20	#4	12'–2"	12'–2"	163
R7	6	#4	11'–4"	11'–4"	45
R8	12	#4	4'–0"	2'–0" \ 2'–0"	32
R9	80	#4	1'–9"	1'–9"	94
	REINFORCING BAR SCHEDULE FOR APPROACHES				
R10	22	#4	10'–0"	10'–0"	148
R11	22	#4	11'–8"	11'–8"	172
				TOTAL	3062
PLUS APPROX. 660 SQUARE FEET OF WWF 6 x 6 – W8 x W8					

APPROX. CONCRETE REQ'D.	
SLAB/PIERS	32 CU. YDS.
WALLS	23 CU. YDS.
APPROACHES	5 CU. YDS.
TOTAL W/O SAFETY PIERS	60 CU. YDS.
TOTAL W/ SAFETY PIERS	62 CU. YDS.

GENERAL NOTES

1. EXCAVATION, FOUNDATION FORMS, REBARS, AND CONCRETE IS TO BE FURNISHED BY CONTRACTOR OR CUSTOMER.

2. REINFORCING BARS ARE TO EQUAL ASTM A615, GRADE 50 OR 60. BEND BARS COLD TO CONFORM WITH REQUIRED DETAILS. REMOVE SCALE, LOOSE FLAKEY RUST, DIRT, AND OTHER COATING THAT WOULD INPAIR BONDING. SPACE BARS PROPERLY AND TIE SECURELY IN POSITION BEFORE PLACING CONCRETE. TACK WELDING TO KEEP REINFORCING IN PLACE IS NOT PERMITTED.

3. MATERIAL AND WORKMANSHIP TO BE IN ACCORDANCE WITH CURRENT AMERICAN CONCRETE INSTITUTE (ACI) CODE REQUIREMENTS. ALL CONCRETE TO BE A MINIMUM OF 3000 P.S.I. @ 28 DAYS.

4. 1500 P.S.F. MINIMUM SOIL BEARING CAPACITY IE REQUIRED. THE DESIGN IS ADEQUATE FOR HIGHWAY SURCHARGE OR 300 P.S.F. ADJACENT TO PIT WALLS.

5. REFER TO SJ MANUAL 3884 FOR MORE DETAILED INSTRUCTIONS ON PIT CONSTRUCTION RECOMMENDATIONS.

6. WORK FROM CENTERLINES WHEN ERECTING FORMS AND PLACING FOUNDATION BOLTS. PLACE BOLTS TO WITHIN ±⅛" OF POSITIONS INDICATED ON DRAWINGS. (BOLTS MUST BE PLACED WITHIN ±⅛" OF TOTAL DIMENSIONS FROM CENTERLINE OF SCALE.)

7. FOR SETTING PLAN, SEE DRAWING D91365-SP.

8. CLEARANCE DIMENSION FOR BOTTOM OF MAIN GIRDER TO PIT FLOOR IS 24".

9. VARIOUS STATE WEIGHTS AND MEASURES AUTHORITIES HAVE REGULATIONS, PARTICULARLY IN REGARD TO PIT DEPTH AND APPROACHES, AFFECTING PIT AND INSTALLATION. THE PIT CONTRACTOR IS RESPONSIBLE TO VERIFY THAT THIS PLAN AND INSTALLATION MEETS LOCAL MINIMUM REQUIREMENTS. FOR ASSISTANCE, CONTACT NEAREST FAIRBANKS SCALE OFFICE.

10. SOME STATES REQUIRE THAT CONCRETE PIERS BE POUR MONOLITHIC WITH SIDE WALLS. (RECOMMENDED METHOD)

11. SUITABLE CONDUIT FOR LOW VOLTAGE CONDUCTOR SHIELDED CABLE MUST PASS THRU THE PIT WALL AT ANY POINT ABOVE PIER TOPS THAT IS CONVENIENT. CONDUIT MUST EXTEND BEYOND PIT WALL A MINIMUM OR 2". FOR RUNS OF CONDUIT UP TO 50'–0" IN LENGTH, USE 1½" CONDUIT. AVOID RUNNING CABLE IN CLOSE PROXIMITY TO HIGH VOLTAGE LINES.
IF AS IS REQUIRED IN PIT, IT SHALL NOT RUN CLOSER THAN 24" IN PARALLEL TO ANY CELL CABLE.

12. CAST-IN-PLACE ANCHOR BOLTS ARE NOT REQUIRED AT PIERS, BUT ARE REQUIRED IN THE END WALLS FOR CHECKING SYSTEM.

13. TOPS OF ALL PIERS MARKED "A" OR "B" MUST BE SMOOTH, FLAT, AND LEVEL FOR LOADCELL BASE PLATES TO BEAR PROPERLY.

LET	BY	DATE	REVISION
A.	SDA	7/30/99	REVISED LOADCELL AND SAFETY PIER HEIGHT

Unless otherwise specified: dimensions are in inches. Tolerances: Fractions: ±1/8" Angles: 1° 3 place decimals: 2 place decimals: Hole diameter: ±1/32"

MATERIAL | FINISH

FAIRBANKS SCALES

Meridian, Mississippi

name: 60' X 10' REINFORCED PIT 4–SECTION FULL ELECTRONIC CAP. 100 TON 45K CLC PLT–2600RC–2KO

date: 6/3/99 | material:

scale: N/A in. per ft. | sheet: 1 of 1

drawn by: BT

4' DEEP PIT

checked by:

approved by:

D91365-RP4