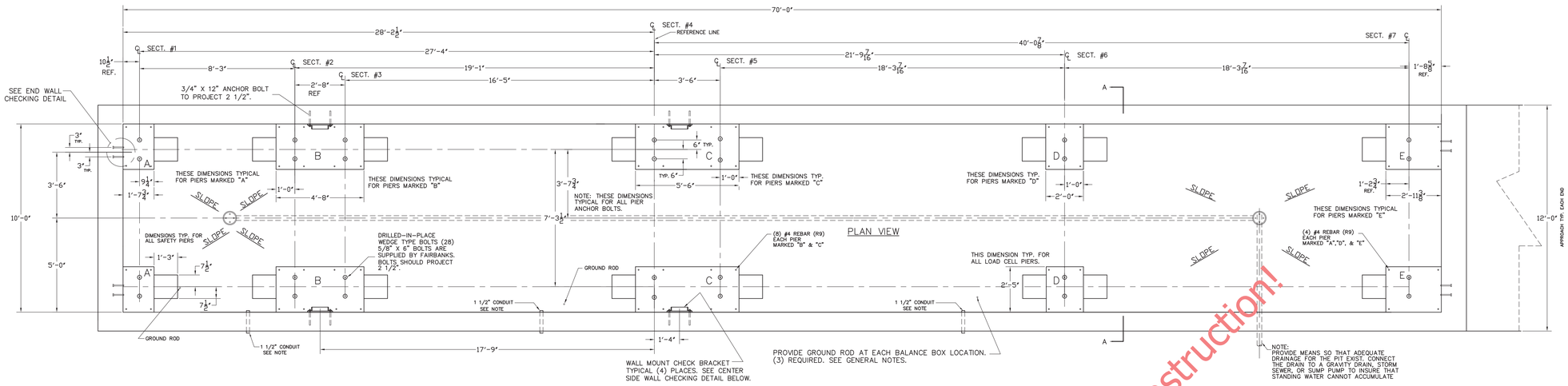
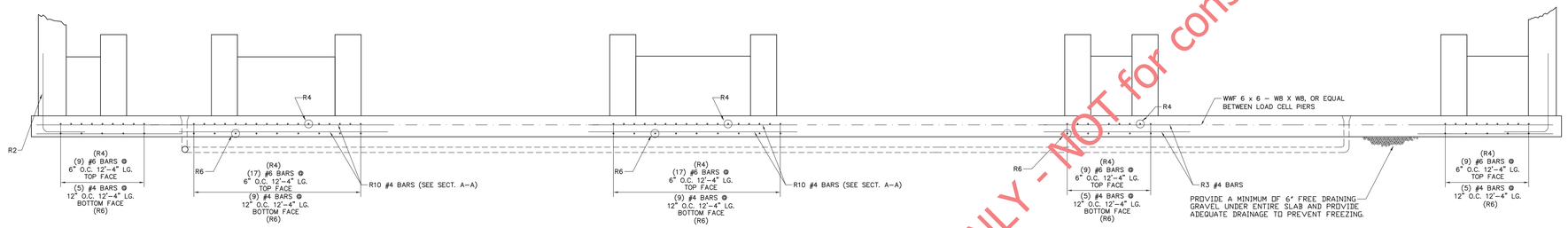


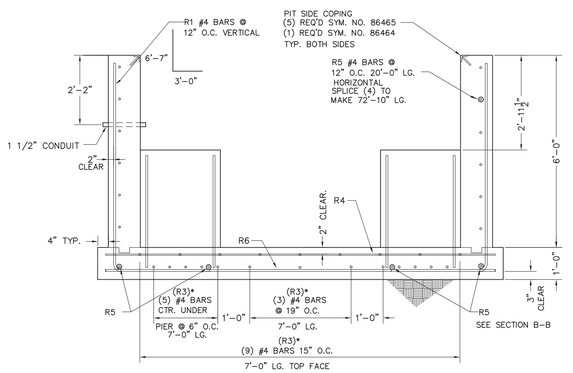


	REINFORCING BAR SCHEDULE				
SYM.	QTY.	SIZE	LENGTH	BENDING	WEIGHT
R1	142	#4	9'-7"	6'-7" ⌊ 3'-0"	909
R2	22	#6	7'-11"	5'-11" ⌊ 2'-0"	262
R3	66	#4	7'-0"	7'-0"	309
R4	61	#6	12'-4"	12'-4"	1130
R5	64	#4	20'-0"	20'-0"	855
R6	33	#4	12'-4"	12'-4"	272
R7	10	#4	11'-8"	11'-8"	78
R8	24	#4	4'-0"	2'-0" ⌊ 2'-0"	64
R9	56	#4	3'-6"	3'-6"	131
R10	44	#4	10'-0"	10'-0"	294
	REINFORCING BAR SCHEDULE FOR APPROACHES				
R11	24	#4	10'-0"	10'-0"	160
R12	22	#4	11'-8"	11'-8"	171
				TOTAL	4635

PLUS APPROX. 620 SQUARE FEET OF WWF 6 x 6 - W8 X W8

APPROX. CONCRETE REQ'D.	
SLAB/PIERS	41 CU. YDS.
WALLS	38 CU. YDS.
APPROACHES	5 CU. YDS.
TOTAL W/O SAFETY PIERS	84 CU. YDS.
TOTAL W/ SAFETY PIERS	87 CU. YDS.

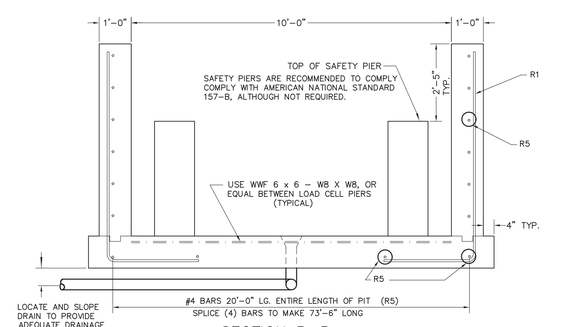
APPROX. EXCAVATION QTY = 341 CU. YDS. (BASED ON 2'-0" CLEARANCE AROUND SIDE OF PIT)



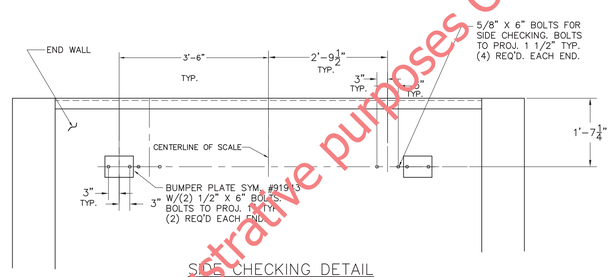
SECTION A-A
TYPICAL (3) PLACES

*NOTE: END AND CENTER SECTIONS IN ADDITION TO BARS SHOWN ON SECTION B-B

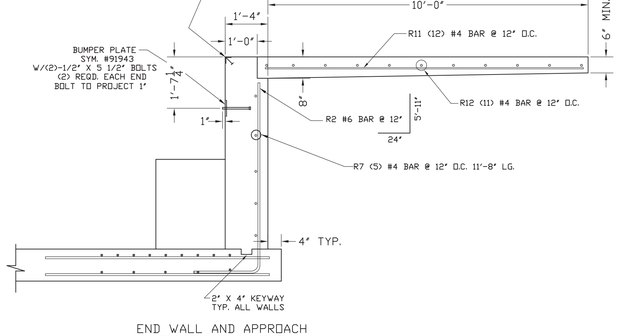
* USE R10 REBAR ON PIERS WITH 2 LOAD CELLS



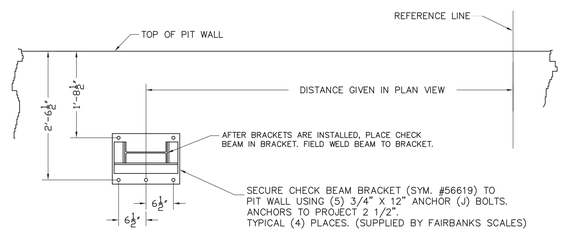
SECTION B-B



SIDE CHECKING DETAIL



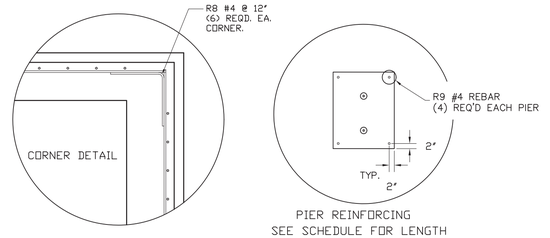
END WALL AND APPROACH TYPICAL EACH END



CENTER SIDE WALL CHECKING DETAIL

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 40 OR 60. BEND BARS COLD TO CONFORM WITH REQUIRED DETAILS. REMOVE SCALE, LOOSE FLAKEY RUST, DIRT, AND OTHER COATING THAT WOULD IMPAIR 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 3500 P.S.I. @ 28 DAYS.
4. 1500 P.S.F. MINIMUM SOIL BEARING CAPACITY IS REQUIRED. THE DESIGN IS ADEQUATE FOR A HIGHWAY SURCHARGE OF 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 ±1/8" OF POSITIONS INDICTED ON DRAWING. (BOLTS MUST BE PLACED WITHIN ±1/8" OF TOTAL DIMENSIONS FROM CENTERLINE OF SCALE.)
7. FOR SETTING PLAN, SEE DRAWING D91518-SP
8. CLEARANCE DIMENSION FROM BOTTOM OF MAIN GIRDER TO PIT FLOOR IS 21".
9. VARIOUS STATE WEIGHTS & 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 SCALES OFFICE.
10. 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 OF 2". FOR RUNS OF CONDUIT UP TO 50'-0" IN LENGTH, USE 1 1/2" CONDUIT. AVOID RUNNING CABLE IN CLOSE PROXIMITY TO HIGH VOLTAGE LINES. IF AC IS REQUIRED IN PIT, IT SHALL NOT RUN CLOSER THAN 24" IN PARALLEL TO ANY CELL CABLE.



PIER REINFORCING
SEE SCHEDULE FOR LENGTH

For illustrative purposes ONLY - NOT for construction!

LET	BY	DATE	REVISION
A	SLS	11/00	REVISED ANCHOR BOLTS

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Unless otherwise specified: dimensions are in inches. Tolerances: Fractions: ±1/8" Angles: 1° 2 place decimals: ± .02 3 place decimals: ± .010 Hole diameter: ±1/32"

MATERIAL | FINISH

FAIRBANKS SCALES
Meridian, Mississippi

name: 10'-20'-40'x10' HIGHWAY SYSTEM REINFORCED PIT FULL ELECTRONIC CAP. 100 TON 70K CLC 7 SECTION

date: 5/24/00 | material: PLT-2600-5MOHS1

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

drawn by: SLS

6' DEEP PIT

checked by

approved by

D91518-RP6