



- GENERAL NOTES
- EXCAVATION, FOUNDATION FORMS, REBARS, AND CONCRETE IS TO BE FURNISHED BY CONTRACTOR OR CUSTOMER.
  - REINFORCING BARS ARE TO EQUAL ASTM A615, GRADE 50 OR 60. BEND BARS COLD TO CONFORM WITH REQUIRED DETAILS. REMOVE SCALE, LOOSE FLAKY 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.
  - 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.
  - 1500 P.S.F. MINIMUM SOIL BEARING CAPACITY IS REQUIRED. THE DESIGN IS ADEQUATE FOR HIGHWAY SURCHARGE OR 300 P.S.F. ADJACENT TO PIT WALLS.
  - REFER TO SJ MANUAL 3884 FOR MORE DETAILED INSTRUCTIONS ON PIT CONSTRUCTION RECOMMENDATIONS.
  - WORK FROM CENTERLINES WHEN ERECTING FORMS AND PLACING FOUNDATION BOLTS. PLACE BOLTS TO WITHIN ±1/8" OF POSITIONS INDICATED ON DRAWINGS. (BOLTS MUST BE PLACED WITHIN ±1/8" OF TOTAL DIMENSIONS FROM CENTERLINE OF SCALE.)
  - FOR SETTING PLAN, SEE DRAWING D91378-SP.
  - CLEARANCE DIMENSION FOR BOTTOM OF MAIN GIRDER TO PIT FLOOR IS 48".
  - 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.
  - SOME STATES REQUIRE THAT CONCRETE PIERS BE POUR MONOLITHIC WITH SIDE WALLS. (RECOMMENDED METHOD)
  - 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 AS IS REQUIRED IN PIT, IT SHALL NOT RUN CLOSER THAN 24" IN PARALLEL TO ANY CELL CABLE.
  - CAST-IN-PLACE ANCHOR BOLTS ARE NOT REQUIRED AT PIERS, BUT ARE REQUIRED IN THE END WALLS FOR CHECKING SYSTEM.
  - TOPS OF ALL PIERS MARKED "A" OR "B" MUST BE SMOOTH, FLAT, AND LEVEL FOR LOADCELL BASE PLATES TO BEAR PROPERLY.

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 = 334 CU. YDS. (BASED ON 2'-0" CLEARANCE AROUND SIDE OF PIT)

REINFORCING BAR SCHEDULE

SYM.	QTY.	SIZE	LENGTH	BENDING	WEIGHT
R1	142	#4	9'-7"	6'-7"   3'-0"	909
R2	20	#6	7'-10"	5'-10"   24"	200
R3	110	#4	7'-0"	7'-0"	514
R4	45	#6	12'-2"	12'-2"	823
R5	64	#4	20'-0"	20'-0"	855
R6	25	#4	12'-2"	12'-2"	203
R7	10	#4	11'-4"	11'-4"	76
R8	20	#4	4'-0"	2'-0"   2'-0"	53
R9	104	#4	3'-6"	3'-6"	243
REINFORCING BAR SCHEDULE FOR APPROACHES					
R10	22	#4	10'-0"	10'-0"	148
R11	22	#4	11'-8"	11'-8"	172
TOTAL					4196

PLUS APPROX. 620 SQUARE FEET OF W8 X 6 @ 6" X 6" OR # 4 @ 12" O.C.

LET	BY	DATE	REVISION

FAIRBANKS SCALES  
Meridian, Mississippi

70' X 10' REINFORCED PIT  
5-SECTION FULL ELECTRONIC  
CAP. 100 TON 70K CLC  
PLT-2600RC-5M0

DATE: 8/24/99

N/A scale sheet 1 of 1

drawn by: SDA

checked by:

approved by:

D91378-RP6

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Unless otherwise specified dimensions are in inches. Tolerances: Fractions: 1/8" Angles: 1" 3 place decimals Note: diameters: 1/32"

MATERIAL FINISH