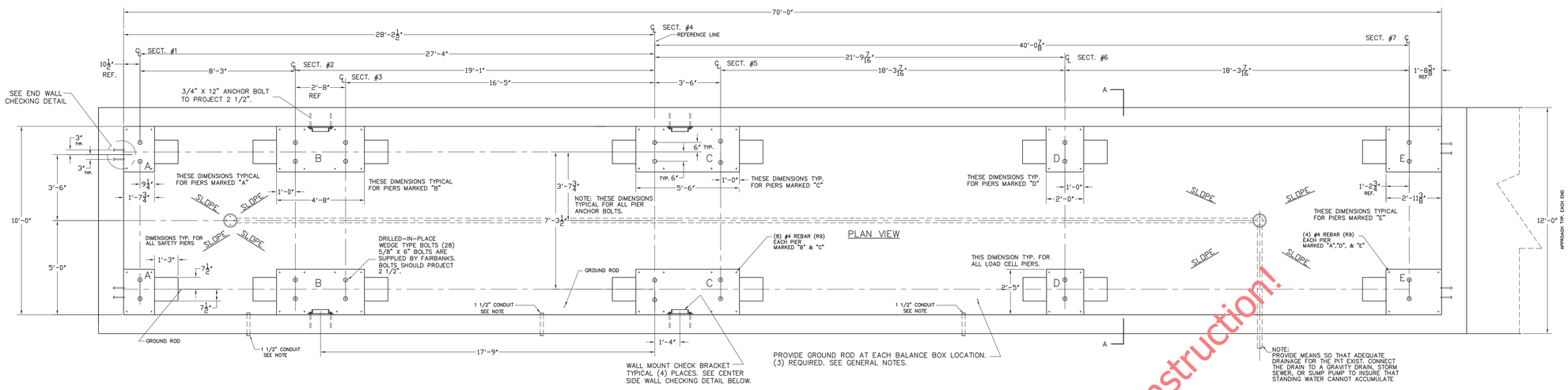
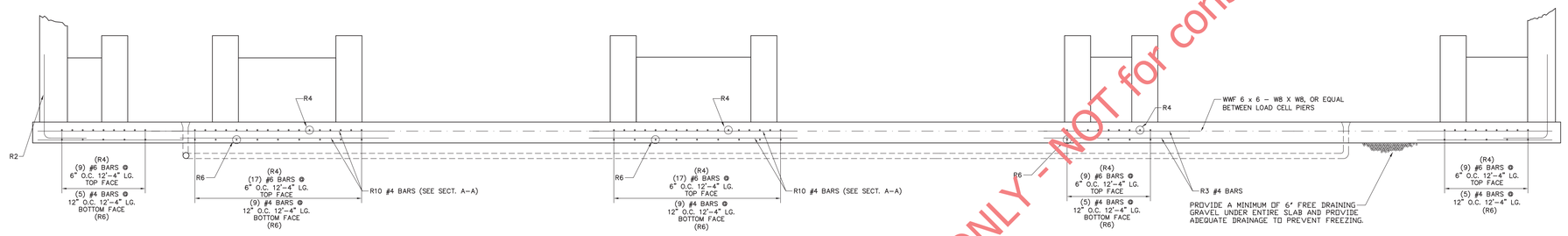
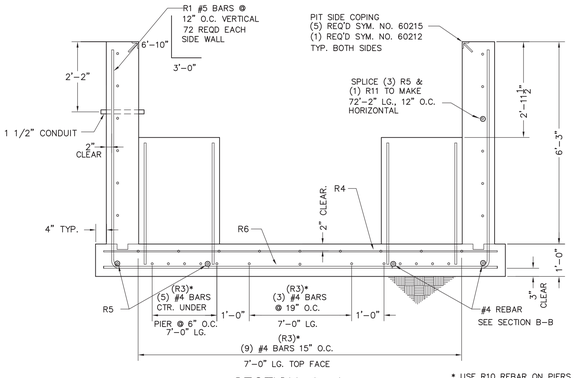


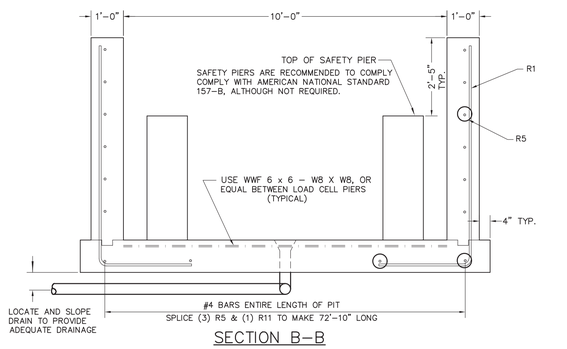




SECTION A-A

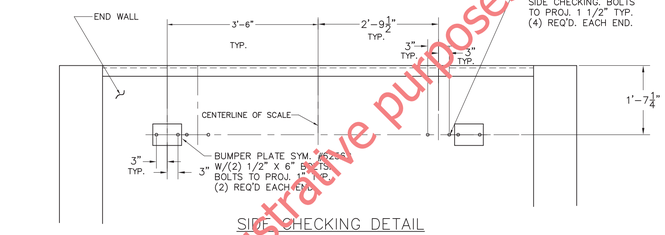
TYPICAL (3) PLACES

* USE R10 REBAR ON PIERS WITH 2 LOAD CELLS

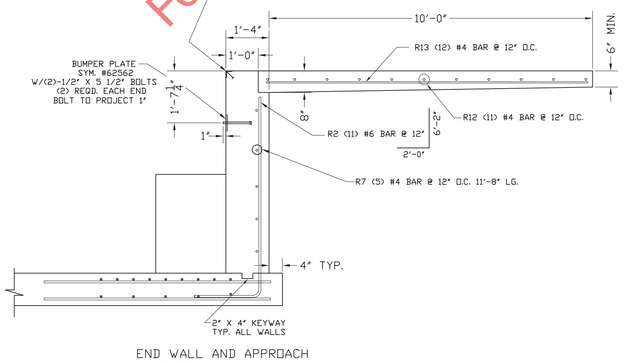
*NOTE: END AND CENTER SECTIONS IN ADDITION TO BARS SHOWN ON SECTION B-B



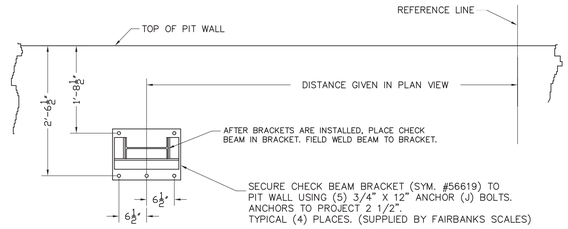

SECTION B-B




SIDE CHECKING DETAIL



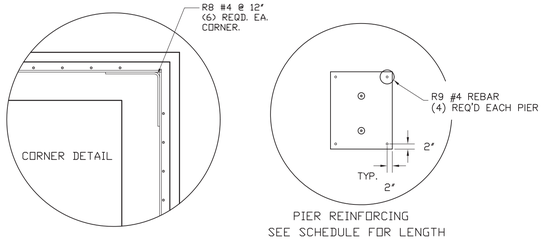

END WALL AND APPROACH TYPICAL EACH END




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 48".
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

| | REINFORCING BAR SCHEDULE | | | | |
|---|---|---|---|---|---|
| SYM. | QTY. | SIZE | LENGTH | BENDING | WEIGHT |
| R1 | 144 | #5 | 9'-10" | 6'-10" \| 3'-0" | 1477 |
| R2 | 22 | #6 | 8'-1" | 6'-1" \| 2'-0" | 267 |
| R3 | 66 | #4 | 7'-0" | 7'-0" | 309 |
| R4 | 61 | #6 | 12'-4" | 12'-4" | 1130 |
| R5 | 48 | #4 | 20'-0" | 20'-0" | 641 |
| 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'-9" | 3'-9" | 140 |
| R10 | 44 | #4 | 10'-0" | 10'-0" | 294 |
| R11 | 16 | #4 | 18'-0" | 18'-0" | 192 |
| | REINFORCING BAR SCHEDULE FOR APPROACHES | | | | |
| R12 | 22 | #4 | 11'-8" | 11'-8" | 171 |
| R13 | 24 | #4 | 10'-0" | 10'-0" | 160 |
| | | | | TOTAL | 5,195 |
| PLUS APPROX. 420 SQUARE FEET OF WWF 6 x 6 - W8 X W8 | | | | | |

| APPROX. CONCRETE REQ'D. | |
|---|---|
| SLAB/PIERS | 44 CU. YDS. |
| WALLS | 40 CU. YDS. |
| APPROACHES | 6 CU. YDS. |
| TOTAL W/O SAFETY PIERS | 90 CU. YDS. |
| TOTAL W/ SAFETY PIERS | 94 CU. YDS. |

APPROX. EXCAVATION QTY = 370 CU. YDS. (BASED ON 2'-0" CLEARANCE AROUND SIDE OF PIT)

For illustrative purposes ONLY - NOT for construction!

| LET | BY | DATE | REVISION |
|---|---|---|---|
| | | | MADE FROM D91518-RP4 |
| A | SLS | 11/00 | REVISED ANCHOR BOLTS |

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Unless otherwise specified dimensions are in inches
Tolerances: Fractions: ±1/8" Angles: 1°
3 place decimals: ±.010
2 place decimals: ±.02
Hole diameters: ±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 | 7/5/00 |
| material | PLT-2600-5MOHS1 |
| scale | N/A in. per ft. |
| sheet | 1 of 1 |
| drawn by | SLS |
| | 6'-3" DEEP PIT |
| checked by | |
| approved by | D91518-RPIA |