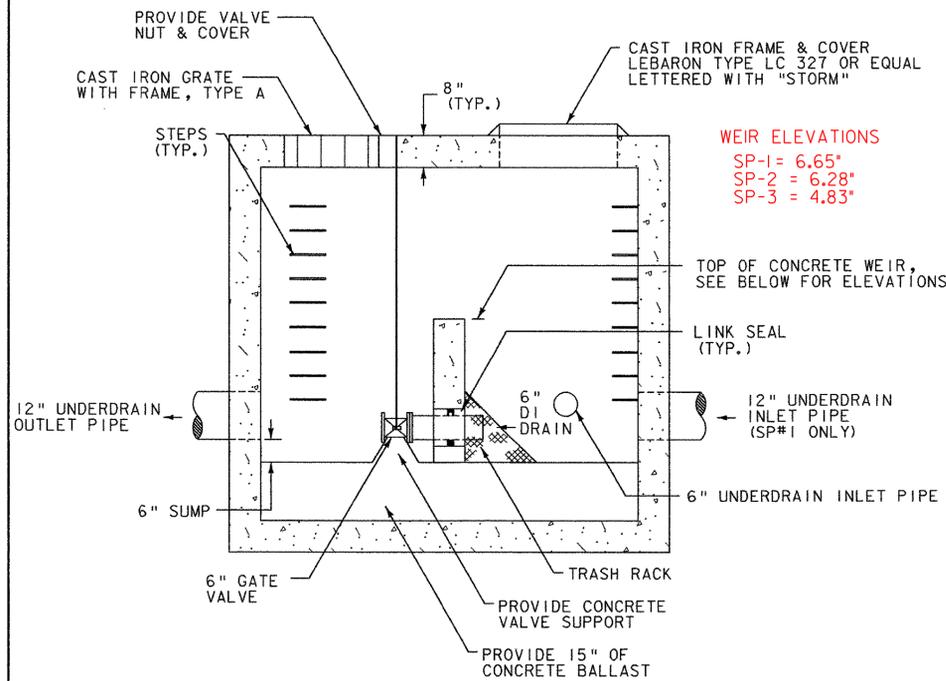


(PRECAST CONCRETE RETENTION STRUCTURE) - SP #1 AND SP #2

NOT TO SCALE

- NOTE:
- REFER TO DRAINAGE PLAN (SHEET 21 OF 63) FOR INLET PIPE AND OUTLET PIPE ORIENTATIONS.
 - CONCRETE WEIR SHALL BE DESIGNED ASSUMING WATER ALONG HEIGHT OF WEIR PLUS ONE FOOT ON ONE SIDE ONLY.
 - ALL MATERIALS AND LABOR REQUIRED TO CONSTRUCT PRECAST CONCRETE RETENTION STRUCTURE INCLUDING BUT ARE NOT LIMITED TO PRECAST CONCRETE RETENTION STRUCTURE, CONCRETE WEIR, CONCRETE BALLAST, TRASH RACK, VALVE NUT AND COVER, GATE VALVE, DUCTILE IRON PIPE, COVERS, GRATES, FRAMES, STEPS, AND SEALS SHALL BE PAID FOR UNDER ITEM 900.620 SPECIAL PROVISION (PRECAST CONCRETE RETENTION STRUCTURE).
 - WATER STOP SHALL BE PROVIDED ALONG SIDES AND BOTTOM OF WEIR TO PREVENT LEAKAGE AROUND SIDES AND BOTTOM OF WEIR.
 - JOINT BETWEEN RETENTION STRUCTURE AND FRP SHEET PILE CUT-OFF WALL SHALL BE SEALED WITH POLYURETHANE JOINT SEALER. REFER TO VTRANS 2006 STANDARDS SPECIFICATIONS FOR CONSTRUCTION SECTION 707.05. PAYMENT SHALL BE INCIDENTAL TO ITEM 900.675 SPECIAL PROVISION (CUT-OFF WALL).
 - CUT-OFF WALL AT SP#2 ONLY.



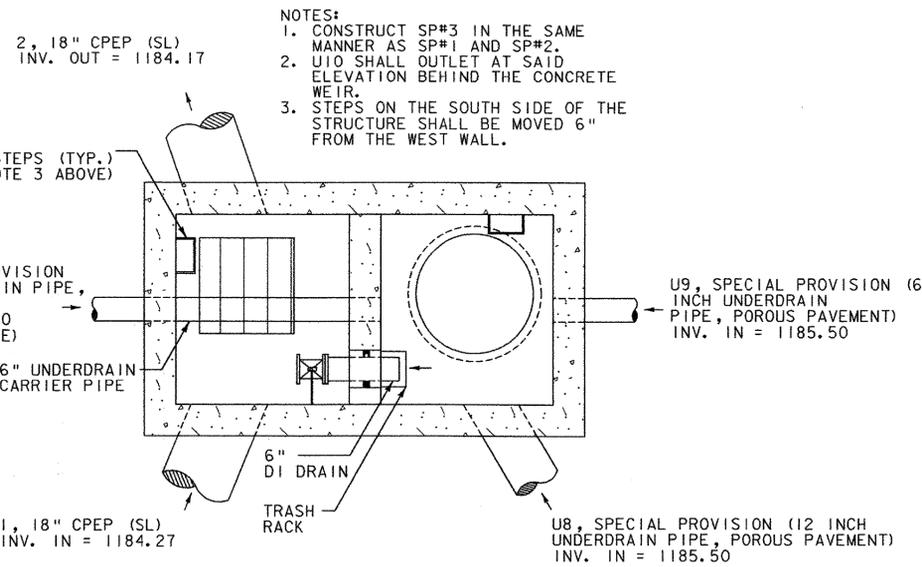
**SECTION A-A
SP#1 AND SP#2 ONLY**

NOT TO SCALE

WEIR ELEVATIONS
 SP-1 = 6.65'
 SP-2 = 6.28'
 SP-3 = 4.83'

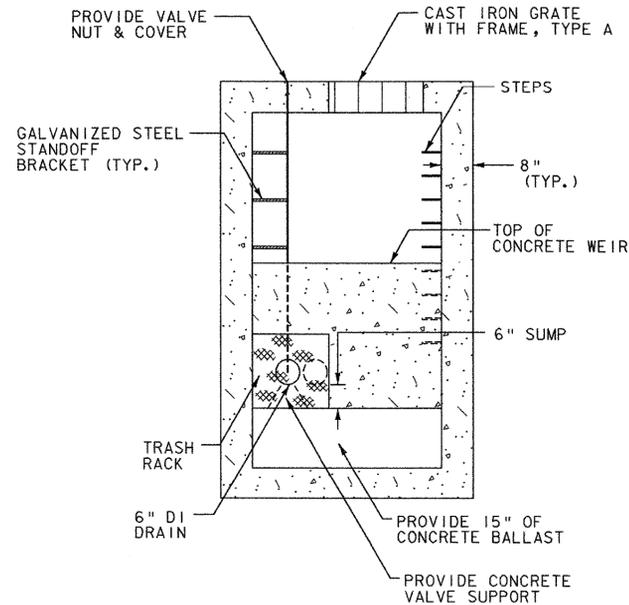
TOP OF CONCRETE WEIR ELEVATIONS

SP#1 = ELEVATION 1194.50
 SP#2 = ELEVATION 1191.50
 SP#3 = ELEVATION 1188.50



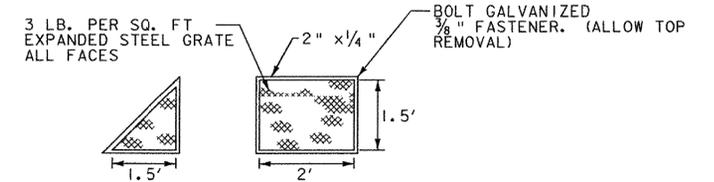
**SPECIAL PROVISION
(PRECAST CONCRETE RETENTION STRUCTURE) SP #3**

SP#3 PIPE ORIENTATION
 NOT TO SCALE



**SECTION B-B
SP#1 AND SP#2 ONLY**

NOT TO SCALE

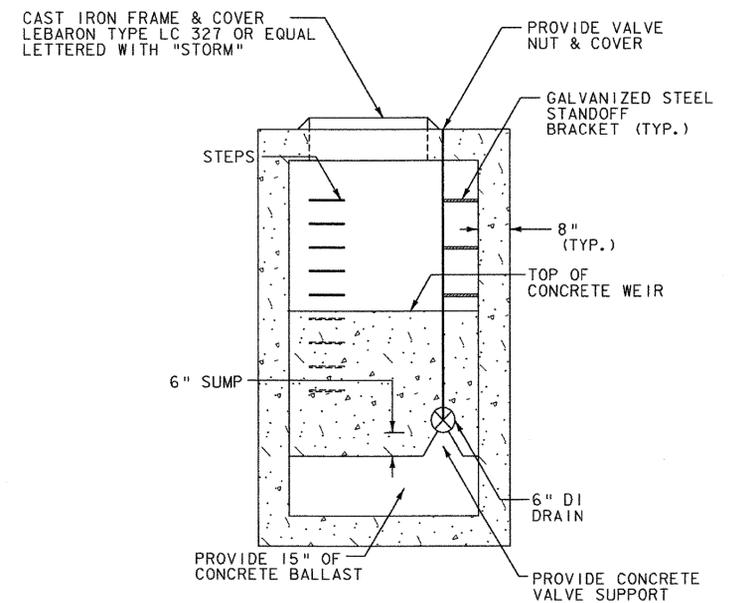


TRASH RACK DETAIL

NOT TO SCALE

NOTES:

- ALL SURFACES TO BE COATED WITH ZRC COLD GALVANIZED COMPOUND.
- PAYMENT SHALL BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (RETENTION STRUCTURE).



**SECTION C-C
SP#1 AND SP#2 ONLY**

NOT TO SCALE

**ALTERNATES
'B' AND 'C'**



PROJECT NAME: RANDOLPH
 PROJECT NUMBER: CMG PARK(2)S

FILE NAME: ...16_zk000DrainDet_por.pff PLOT DATE: 8/3/2007
 PROJECT LEADER: WLD DRAWN BY: STANTEC
 DESIGNED BY: STANTEC CHECKED BY: GAS
DRAINAGE DETAILS 5 SHEET 26 OF 63