



- CONSTRUCTION NOTES**
- (1B) CONSTRUCT 54" I.D. CCFRPM PIPE ("HOBAS" PIPE OR APPROVED EQUAL), 1.21-INCH THICK WALL, WITH FLUSH RELINING BELL-SPIGOT JOINT PER TYPICAL RIB AND LAGGING TUNNEL SECTION 1A ON SHEET 19.
 - (2) CONSTRUCT 54" I.D. CCFRPM PIPE ("HOBAS" PIPE OR APPROVED EQUAL), 1.05-INCH THICK WALL, WITH FWC COUPLING PER OPEN TRENCH SECTION ON SHEET 20.
 - (7) CONSTRUCT MANHOLE STRUCTURE WITH CONFLUENCE PIPE PER MODIFIED STD PLAN NO. 320-1, L=5.5', D1=D2=54", MODIFICATION: CONSTRUCT CCFRPM PIPE CONTINUOUS THROUGH MANHOLE STRUCTURE FROM INVERT TO SPRING LINE. CUT MINIMUM SIZE "HATCH" FROM TOP HALF OF PIPE TO ALLOW MANHOLE AND PIPE ACCESS. CONFLUENCE ALL LATERAL PIPES ABOVE THE SPRING LINE OF THE MAIN LINE STORM DRAIN. CONSTRUCT PRESSURE MANHOLE FRAME AND COVER PER SPPWC STD PLAN NO. 329-1.
 - (8) CONSTRUCT VELOCITY REDUCER CONTROL RING WITH SHOP INSTALLED 6-INCH THICK REINFORCED FIBERGLASS INSIDE 54" I.D. CCFRPM PIPE PER DETAIL 8 ON SHEET 19. PLACE RING MID-WAY IN 20-FOOT LONG PIPE LENGTHS. STATION LOCATION CALL-OUTS ON PROFILE ARE APPROXIMATE AND CAN SHIFT AS LONG AS NUMBER OF RINGS AND SPACING IS MAINTAINED.
 - (8A) CONSTRUCT CONCRETE TRENCH SUPPORT BACKFILL PER DETAIL 8A ON SHEET 19, APPLIES TO VELOCITY REDUCER RINGS IN OPEN TRENCH REACH.
 - (26) CONSTRUCT LEAN PCC SEEPAGE DAM IN MAIN LINE STORM DRAIN TRENCH PER DETAIL 26 ON SHEET 20, COMPLETE WITH 8" PVC (SCH 40) RELIEF SYSTEM TO ADJACENT DOWNSTREAM MANHOLE.
 - (39) REMOVE INTERFERING PORTIONS OF EXISTING STORM DRAIN.

60% DESIGN PLANS
NOT FOR CONSTRUCTION
NOVEMBER 1, 2011

NO.	DATE	DESCRIPTION	APPROVED
REVISIONS			

DESIGNED	RGB/EGS/PL
DRAWN	EGS/PL
CHECKED	RGB
DATE	OCT 11

CITY OF RANCHO PALOS VERDES



PLAN PREPARED BY:
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RANDALL G. BERRY RCE #44642 DATE

CITY OF RANCHO PALOS VERDES

RON DRAGOO SENIOR ENGINEER DATE
RCE: 54924

SAN RAMON STORM DRAIN
PLAN AND PROFILE
STA 30+00 TO STA 35+00