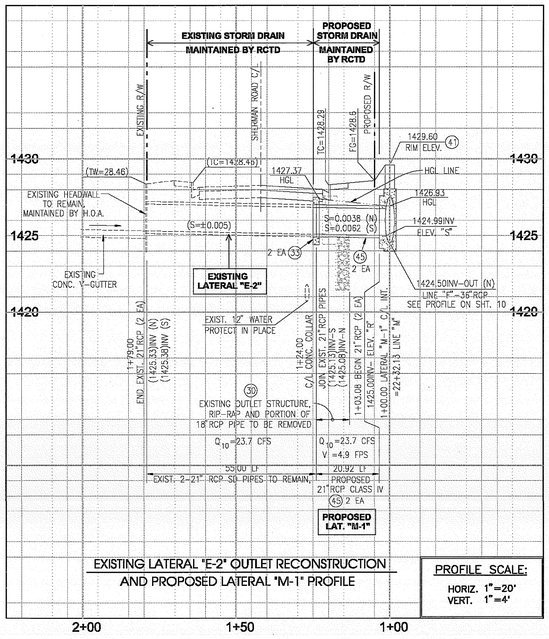
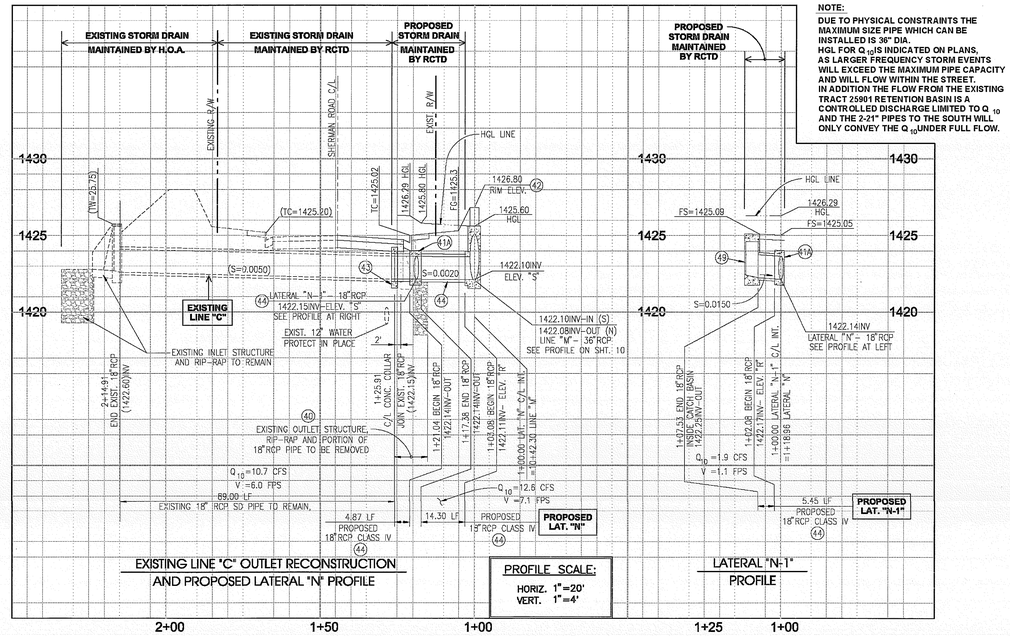
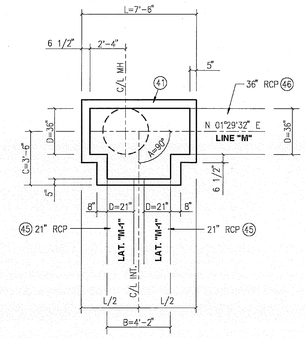
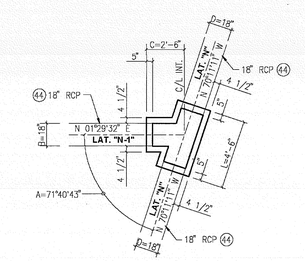




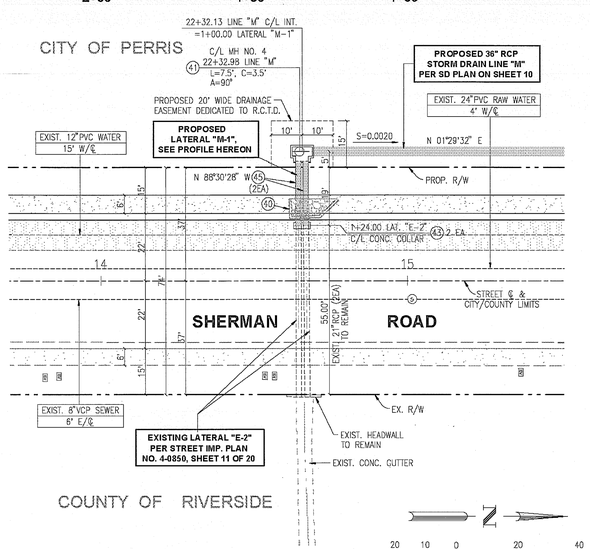
NOTE:
DUE TO PHYSICAL CONSTRAINTS THE MAXIMUM SIZE PIPE WHICH CAN BE INSTALLED IS 36" DIA.
HGL FOR Q_{10} IS INDICATED ON PLANS, AS LARGER FREQUENCY STORM EVENTS WILL EXCEED THE MAXIMUM PIPE CAPACITY AND WILL FLOW WITHIN THE STREET.
IN ADDITION THE FLOW FROM THE EXISTING TRACT 25901 RETENTION BASIN IS A CONTROLLED DISCHARGE LIMITED TO Q_{10} AND THE 2-21" PIPES TO THE SOUTH WILL ONLY CONVEY THE Q_{10} UNDER FULL FLOW.



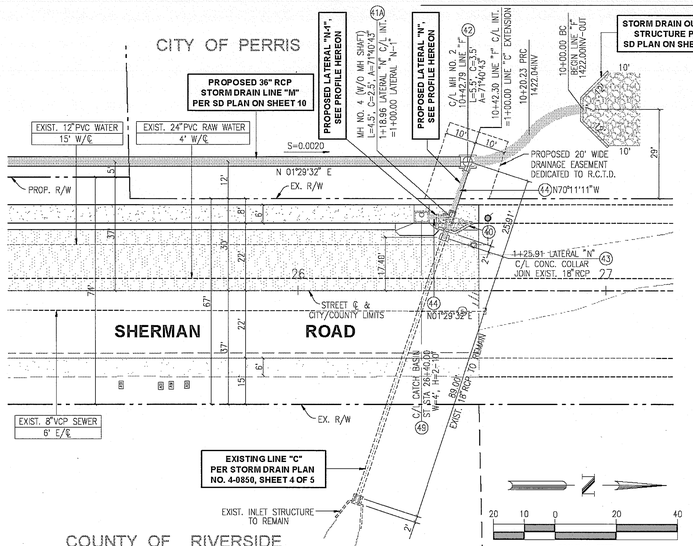
(41) STORM DRAIN MANHOLE DETAIL
SD MANHOLE NO. 4 PER RCFC & WCD STD. DWG MH254
NO SCALE



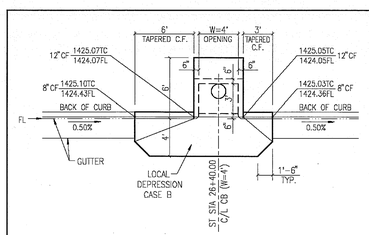
(41A) STORM DRAIN MANHOLE DETAIL
SD MANHOLE NO. 4 PER RCFC & WCD STD. DWG MH254
(MODIFIED W/O MANHOLE SHAFT)
NO SCALE



DETAIL "A"
LATERAL "E-2" OUTLET RECONSTRUCTION
SCALE: 1"=20'

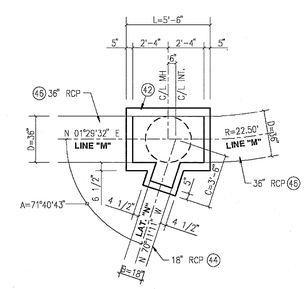


DETAIL "B"
LINE "C" OUTLET RECONSTRUCTION
SCALE: 1"=20'



(49) CATCH BASIN AND LOCAL DEPRESSION DETAIL
CATCH BASIN (W=4') PER RIVERSIDE COUNTY STD. NO. 300
LOCAL DEPRESSION (CASE B) PER RIVERSIDE COUNTY STD. NO. 311
NO SCALE

CONSTRUCTION NOTES
(40) REMOVE EXISTING HEADWALL, RIP-RAP, AND INTERFERING PORTION OF EXISTING RCP PIPE
(41) CONSTRUCT MANHOLE NO. 4 PER RCFC & WCD STD. DWG MH254 AND DETAIL #41 HEREON.
(41A) CONSTRUCT MANHOLE NO. 4 (MODIFIED W/O MH SHAFT) PER RCFC & WCD STD. DWG MH254 AND DETAIL #41A HEREON.
(42) CONSTRUCT MANHOLE NO. 2 PER RCFC & WCD STD. DWG MH252 AND DETAIL #42 HEREON.
(43) CONSTRUCT CONCRETE COLLAR PER RCFC & WCD STD. DWG M803 AND JOIN EXISTING RCP
(44) CONSTRUCT 18" RCP CLASS IV
(45) CONSTRUCT 21" RCP CLASS IV
(49) CONSTRUCT CATCH BASIN (W=4') PER RIVERSIDE COUNTY STD. NO. 300 AND LOCAL DEPRESSION (CASE B) PER RIVERSIDE COUNTY STD. NO. 311, SEE DETAIL #49 HEREON.



(42) STORM DRAIN MANHOLE DETAIL
SD MANHOLE NO. 2 PER RCFC & WCD STD. DWG MH252
NO SCALE

COUNTY OF RIVERSIDE: MS 4216 IP 090020 W.O. ZEDA0037

COUNTY PERMIT NOTE:
APPROVAL BY THE COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT IS FOR THE AREA WITHIN COUNTY ROAD R/W ONLY

DIGALERT — DIAL TOLL FREE 1-800-227-2600 AT LEAST TWO DAYS BEFORE YOU DIG

DATE	BY	MARK	REVISIONS	APPR.	DATE
ENGINEER				CITY	

SEAL — COUNTY: REGISTERED PROFESSIONAL ENGINEER ALAN D. FRENCH No. CE 45702 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
ALAN D. FRENCH, PE — DATE
RECOMMENDED — DATE

CITY OF PERRIS
(CITY RIGHT-OF-WAY ONLY)
APPROVED BY:
CITY ENGINEER — DATE

SEAL — ENGINEER: REGISTERED PROFESSIONAL ENGINEER DAVID LEE BACON No. 40496 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

PLANS PREPARED UNDER THE SUPERVISION OF:
VALDEN & ASSOCIATES — CIVIL ENGINEERS, LAND SURVEYORS, PLANNERS
2552 WHITE ROAD, SUITE B, IRVINE, CA 92614
(949) 660-0110 FAX: 660-0418
DAVID L. BACON P.E. 40496 — DATE

BENCHMARK ELEV. 1412.409 FT.
RIVERSIDE COUNTY BENCHMARK: 600-33-68.
STANDARD BRASS DISK ON CONCRETE POST 1.3 MILES SOUTHEAST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION IN PERRIS, 125 FT. NORTH OF CASE ROAD, 56 FT. NORTH OF THE MOST NORTHERLY RAIL OF THE TRACK, 5 FT. WEST OF POWER POLE #74580, 2 FT. LOWER THAN THE RAILWAY, 2 FT. EAST OF A MARKER POST, SET A BRASS DISK IN THE TOP OF A CONCRETE POST.

SCALE: AS SHOWN — DATE: 11/04/09

CITY OF PERRIS
STREET IMPROVEMENT PLANS
STORM DRAIN OUTLETS RECONSTRUCTION
DETAILS "A" AND "B"

CITY FILE NO. P8-1099
SHEET 9 OF 16 SHEETS