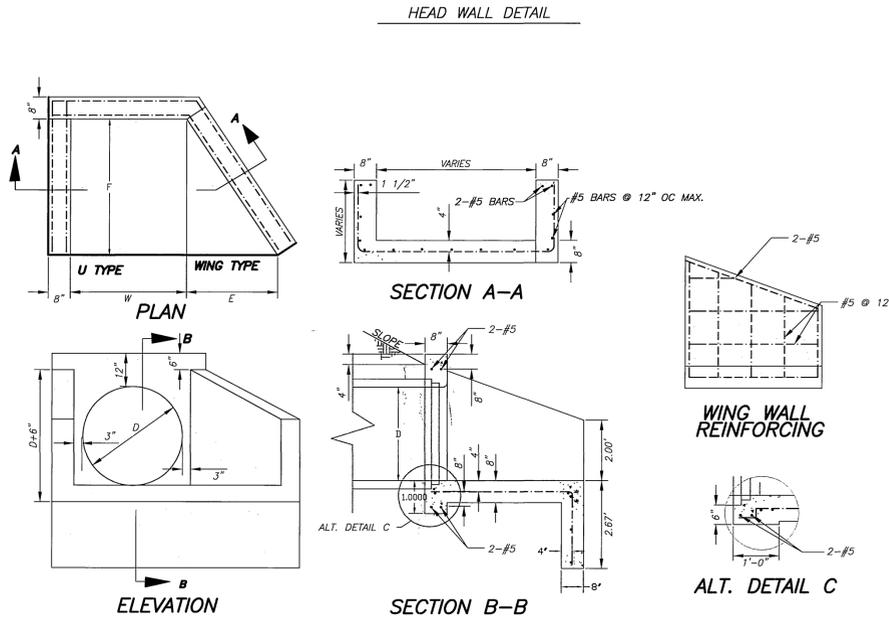
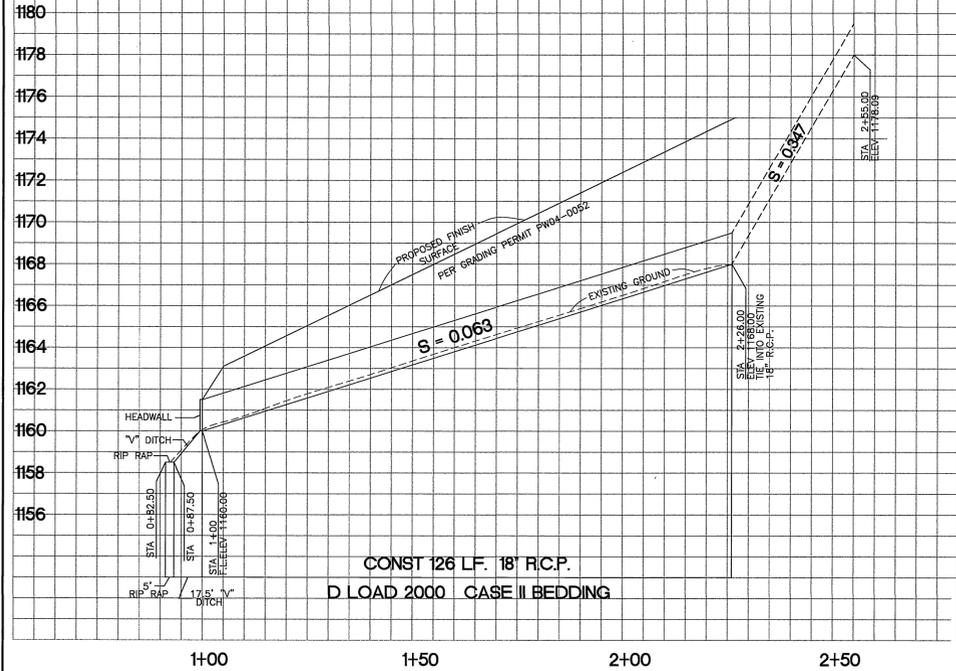


# STORM DRAIN PLAN PARCEL MAP. 31451



DIA. OF PIPE INCH	DIMENSIONS		
	E	F	W
18	1'-3"	2'-6"	2'-0"
24	1'-9"	3'-0"	2'-6"
30	2'-3"	3'-6"	3'-0"
36	2'-9"	4'-0"	3'-6"
42	3'-3"	4'-6"	4'-0"
48	3'-9"	5'-0"	4'-6"
54	4'-3"	5'-6"	5'-0"
60	4'-9"	6'-0"	5'-6"
66	5'-3"	6'-6"	6'-0"
72	5'-9"	7'-0"	6'-6"
78	6'-3"	7'-6"	7'-0"
84	6'-9"	8'-0"	7'-6"

**NOTES:**

1. CONCRETE SHALL BE 560-C-3250
2. EXPOSED CORNERS TO BE CHAMFERED 3/4".
3. MULTIPLE PIPES TO BE SET A DISTANCE OF D/2, WITH A 1" MINIMUM BETWEEN OUTSIDE DIAMETERS OF PIPES.
4. TOP OF HEADWALL SHALL BE PLACED APPROXIMATELY PARALLEL TO PROFILE GRADE WHEN THE GRADE IS 3% OR MORE.
5. FOR PIPE WALL THICKNESS GREATER 3" USE ALTERNATE DETAIL-C.

**WING AND U TYPE HEADWALLS**

N.T.S.

**CONSTRUCTION NOTES**

- |  |     |    |
|--|-----|----|
| ①—INSTALL 18" RCP DLOAD (SEE PROFILE)                      | 126 | LF |
| ②—INSTALL 1/4 TON RIP RAP GROUTED IN PLACE (32" DEEP TYP.) | 1   | EA |
| ③—CONSTRUCT 3' CONCRETE V-DITCH                            | 54  | SF |
| ④—HEADWALL   | 1   | EA |

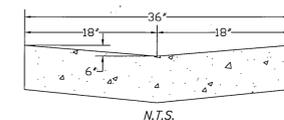
**STREET CONSTRUCTION GENERAL NOTES**

1. It shall be the responsibility of the contractor to clear the right of way in accordance with the provisions of law as it affects each utility including irrigation lines and appurtenances and at no cost to the City.
2. Construction shall be in accordance with the City of Riverside, Department of Public Works, Standard Drawings, it's supplemental notes and the Standard Specifications for Public Works Construction, current edition.
3. The private engineer signing these plans is responsible for assuring the accuracy and acceptability of the work hereon. In the event of discrepancies arising during construction, the private engineer shall be responsible for determining an acceptable solution and revising the plans for approval by the City.
4. Quantities shown are for information only and the City of Riverside is not responsible for their accuracy.
5. The developer shall be responsible for preserving or re-establishing and referencing survey monuments destroyed, disturbed or buried as a result of construction shown hereon.
6. All flagged elevations shall be staked in the field by the private engineer.
7. The contractor shall call in a location request to Underground Service Alert (USA), phone number 1-800-227-2600, two working days before digging. No construction permit will be issued by the Public Works Department involving excavation for underground facilities unless the applicant has been provided an inquiry identification number by USA.
8. No person shall perform any construction activity or install any objects within the public rights-of-way or easements of the City of Riverside without a valid Construction Permit of, a Street Opening Permit Encroachment Permit issued by the City's Public Works Department.

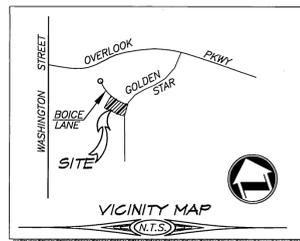
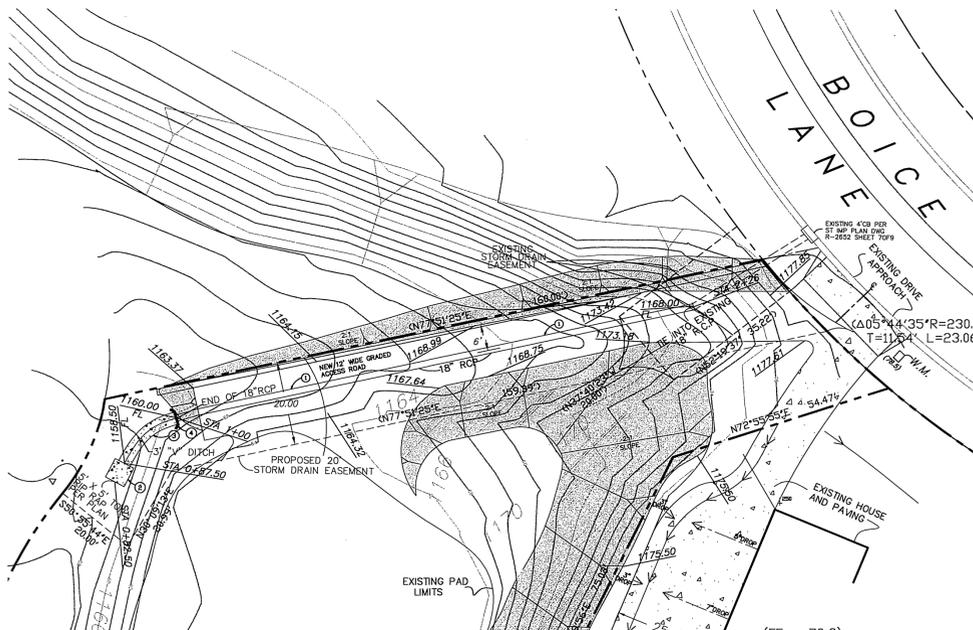
**RIP RAP DETAIL:**

5'x5' 1/4 TON RIP RAP TYP. METHOD "B" PLACEMENT

**3' V" DITCH DETAIL:**



FOR LANDSCAPE AREA 4" THICK CLASS 520-C-2500



CITY OF RIVERSIDE PLANNING DEPT.  
APPROVED BY: [Signature] DATE: 4/20/04

**Underground Service Alert**  
Call: TOLL FREE 1-800-227-2600  
TWO WORKING DAYS BEFORE YOU DIG

PLANS PREPARED BY:  
**adkan ENGINEERS**  
CIVIL ENGINEERING SURVEYING PLANNING  
6820 AIRPORT DRIVE, RIVERSIDE, CA 92504  
TEL: (909) 888-0241 FAX: (909) 888-0599  
DATE: 3/31/04 UNDER THE SUPERVISION OF: R.C.E. 53390 6/30/07

BENCHMARK:  
CITY OF RIVERSIDE BENCHMARK NO. FB-1 P.K. NAIL AND TAG IN THE SOUTHEAST CURB RETURN AT MURFIELD ROAD AND LAURIE DRIVE, CITY OF RIVERSIDE FIELD BOOK NO. 84 PAGE 10.  
ELEVATION: 1110.84

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: \_\_\_\_\_ DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

**CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT**  
APPROVED BY: [Signature] DATE: 4/15/04  
CITY ENGINEER  
TRAFFIC DIVISION  
P.W. DEPT. WATER DIV.  
STREET SERVICES

STORM DRAIN PLAN  
**PM 31451 PARCEL 2**  
7289 BOICE LANE  
EXTENSION OF 18" DRAINAGE LINE

ACCOUNT NO.  
D-743  
SHEET 1 OF 1  
PW 04-0141

INDEXED 5-24-04 LH