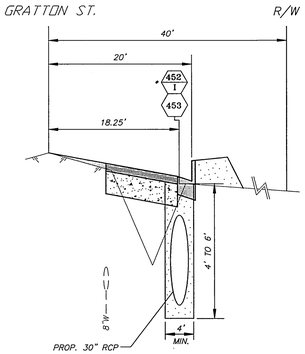
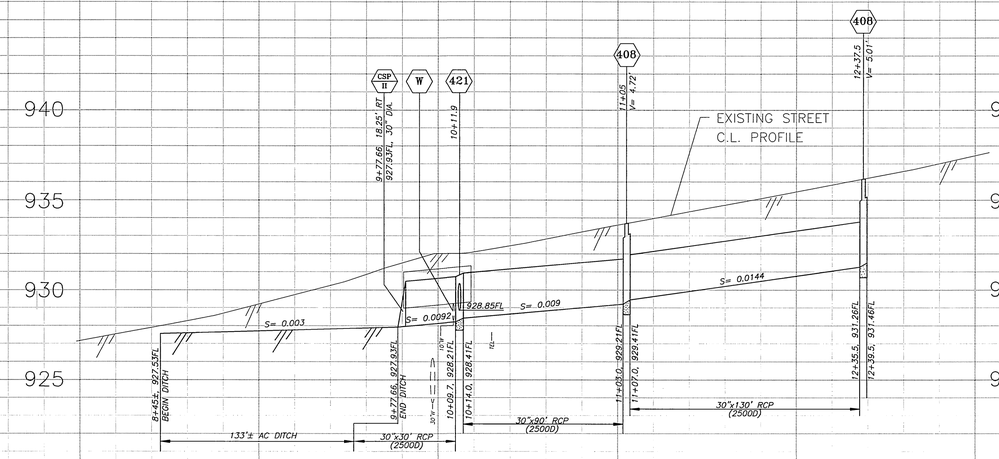
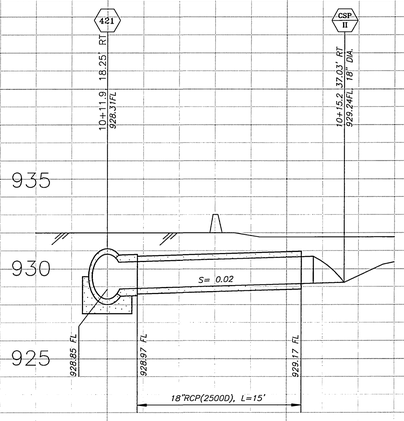


TYPICAL SECTION

(NTS)

* : CASE III PIPE BEDDING MATERIAL IS REQUIRED TO CONSTRUCT THE TWO 24" CULVERTS AND 30" STORM DRAIN WHEN CROSSING THE DUFFERIN AVE.

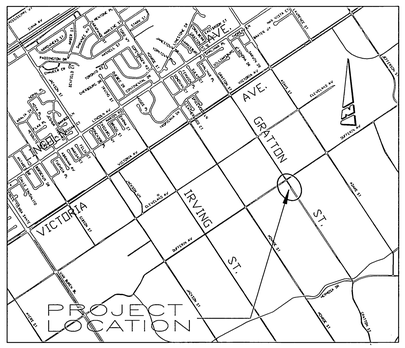




LATERAL PROFILE

SCALE: H, 1"=6'
V, 1"=4'

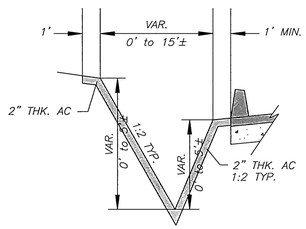
8 9 10 11 12 13



PROJECT LOCATION MAP

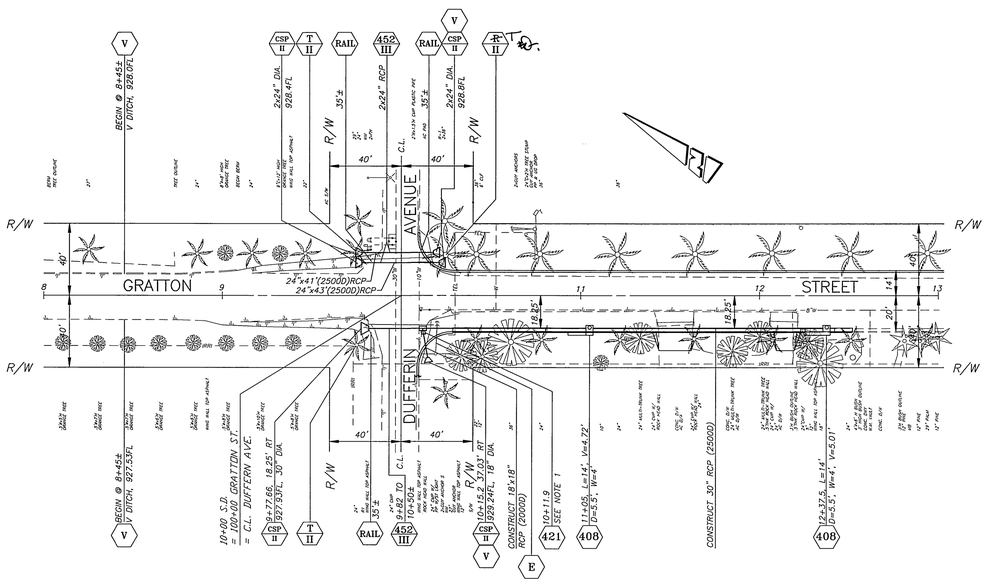
(NTS)

NOTE: STREET IMPROVEMENTS SEE C/R PLAN No. R-3604



V-SHAPED DITCH DETAIL

(NTS)



NOTE 1:
A=80', B=18', C'=2.5'
D=30', E'=1.1', L=2.3'
S= 928.85, R= 928.97

CONSTRUCTION LEGEND

CENTER LINE	℄	TOP OF SLOPE	
RIGHT-OF-WAY	R/W	TOE OF SLOPE	
SUBDIVISION LOT LINE	PL	DIRECTION OF FLOW	

GENERAL CONSTRUCTION NOTES

1. EXISTING UTILITIES, SHOWN ON THIS PLAN, ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN.
2. PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS A LICENSE.
3. ALL ELEVATIONS, SHOWN ON THE PLANS ,SHALL BE STAKED IN THE FIELD.
4. CONTRACTOR SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DWGS. AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2000 EDITION.
5. PRIOR TO ISSUANCE OF GRADE SHEETS FOR ANY PROPOSED STORM DRAIN FACILITIES, THE CONTRACTOR SHALL EXPOSE ALL UTILITIES WHICH CROSS OR MAY BE IN CONFLICT WITH THE PROPOSED STORM DRAIN FACILITIES AND COORDINATE WITH THE INSPECTOR TO HAVE THE LOCATION AND ELEVATION VERIFIED BY CITY SURVEYORS.

SPECIFIC CONSTRUCTION NOTES

⬢ NUMBERS, ABOVE 100 IN A HEXAGON ON THE PLAN, REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.

CSP II — CONSTRUCT CSP FLARED INLET PER AMERICAN PUBLIC WORKS ASSOCIATION, SOUTHERN CALIFORNIA CHAPTER, STANDARD DRAWING NO. 351-1(CASE II).

E — POWER POLE GUY-WIRES WILL BE RELOCATED BY THE C/R UTILITY DEPARTMENT, ELETRICAL DIVISION.

~~R II~~ — ~~REMOVE PALM TREE. CLASS I: 6" TO 18", CLASS II: OVER 18" TO 36".~~

RAIL — CONSTRUCT METAL BEAM GUARD RAILING WITH WOOD POSTS PER CALTRANS STD. A77A, STD. A77B, AND STD. A77C.

T II — TRANSPLANT PALM TREE TO ASSIGNED LOCATION. CLASS I: 6" TO 18", CLASS II: OVER 18" TO 36".

V — CONSTRUCT V-SHAPED ASPHALT CONCRETE DITCH BEHIND AC BERM.

W — THE 10" WATER MAIN WILL BE RELOCATED BY THE C/R UTILITY DEPARTMENT, WATER DIVISION.

*AS-BUILT PER PLANS 8-28-03 4H

BENCHMARK
POINT ID: E5-B2
ELEVATION: 1004.871
DESCRIPTION:
P.K. NAIL IN THE NORTHERLY END OF THE EASTERLY HEADWALL OF THE GAGE CANAL BRIDGE AT JACKSON STREET.

ENGINEER IN RESPONSIBLE CHARGE
MICHAEL KATUSIAN
R.C.E. No. 36686 expires 6/30/2004
DATE 11/16/01

REGISTERED PROFESSIONAL ENGINEER — MICHAEL KATUSIAN — No. 36686 — Exp. 6/30/2004 — CIVIL — STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY FYL DRAWN BY FYL CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIR./ENG.		
PRINCIPAL ENGINEER		11/21/2001
INSPECTION		11/23/01
SURVEYOR		11/26/01
STREET SERVICES		11/27/01
TRAFFIC DIVISION		11/16/01
PARK & REC. DEPT.		11/16/01

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/10/01

GRATTON ST. STORM DRAIN IMPROVEMENTS
FROM 240' S'LY DUFFERIN AVE. TO DUFFERIN AVE.

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACCT. NO.: 9537627152-44022XX

D-698

SHEET 1 OF 1

FILE: \G\FRANK\DWG\D-698
PARK & REC. : PC43779

INDEXED 1-03-02 4H