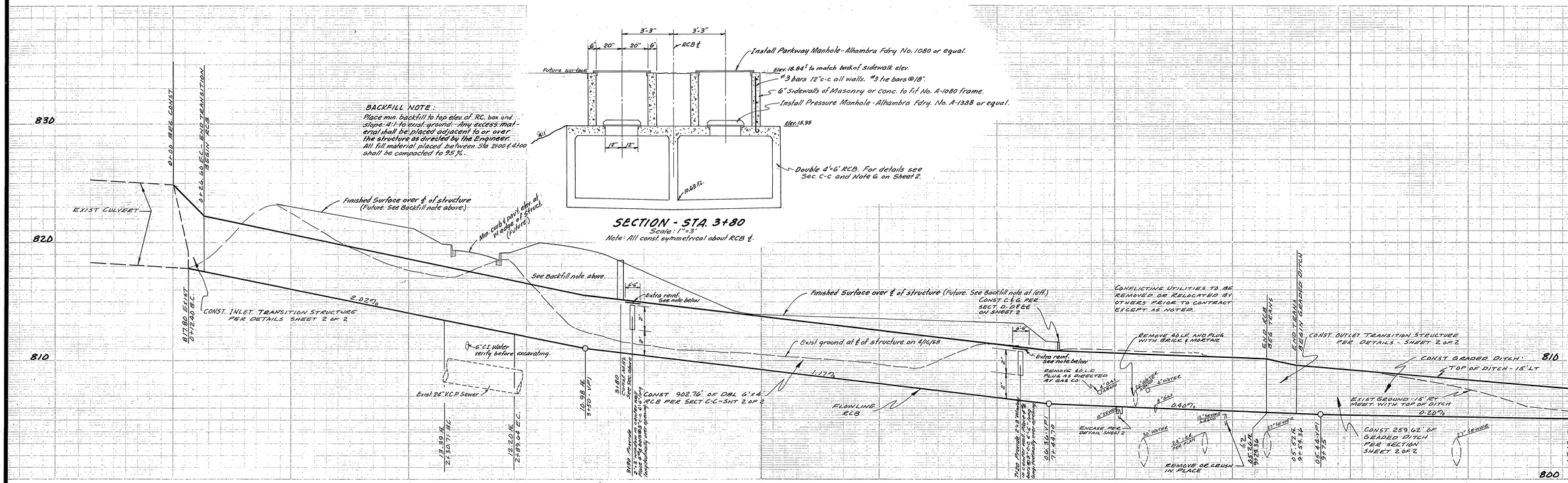


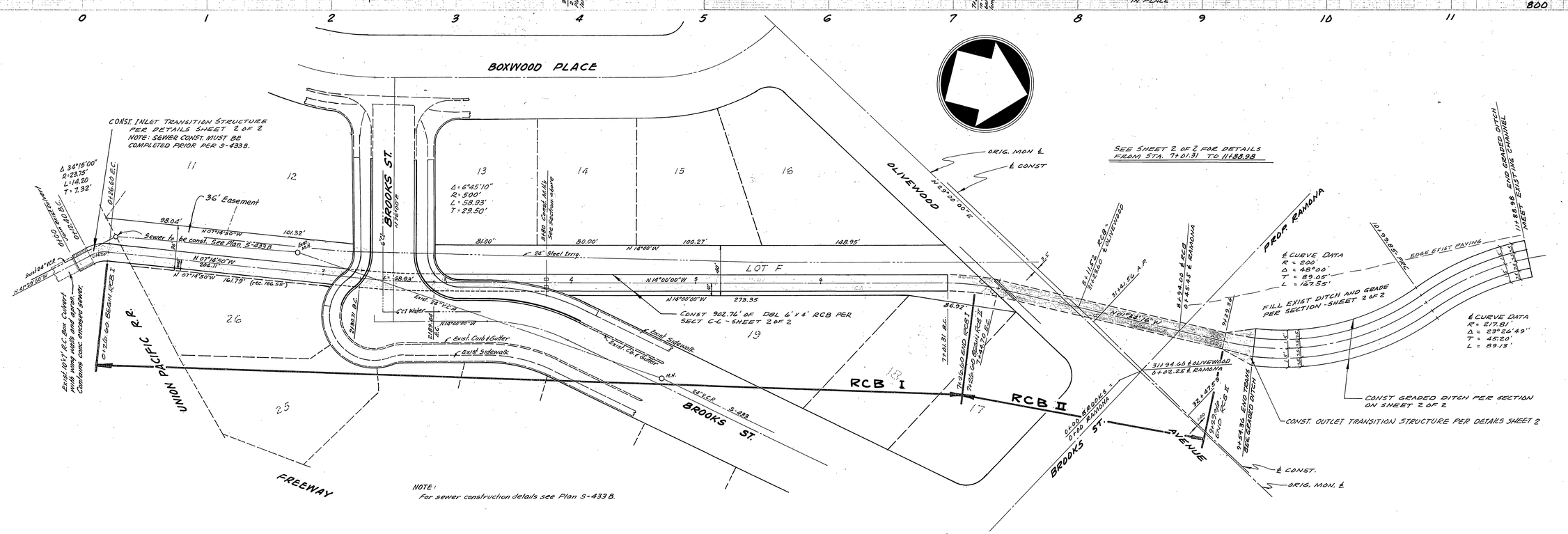
SECTION - STA. 3+80

Scale: 1" = 3'

Note: All const. symmetrical about RCB ℄.

BACKFILL NOTE:

Place min. backfill to top elev. of R.C. box and slope 4:1 to exist. ground. Any excess material shall be placed adjacent to or over the structure as directed by the Engineer. All fill material placed between Sta 2+00 & 4+00 shall be compacted to 95%.



CRAWLEY, HAWKINS & HIEBER ENGINEERS AND SURVEYORS RIVERSIDE, CALIFORNIA APPROVED: George O. Crawley DATE 8/16/68 G.C.E. 9435		CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STORM DRAIN PLAN & PROFILE TEQUESQUITE STORM DRAIN AT OLIVEWOOD
J.O. 791 FOR: Liberty Sav. & Loan F.D. 7½/10.90½	MARK REVISIONS APPR. DATE DESIGNED BY G.C. DRAWN BY G.C. CHECKED BY	APPROVED BY / DATE OFFICE ENGINEER PARK DEPARTMENT TRAFFIC DIVISION ASSISTANT CITY ENG. APPROVED BY William D. Harsha DIRECTOR OF PUBLIC WORKS DATE SEPT. 3, 1968	HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. 403

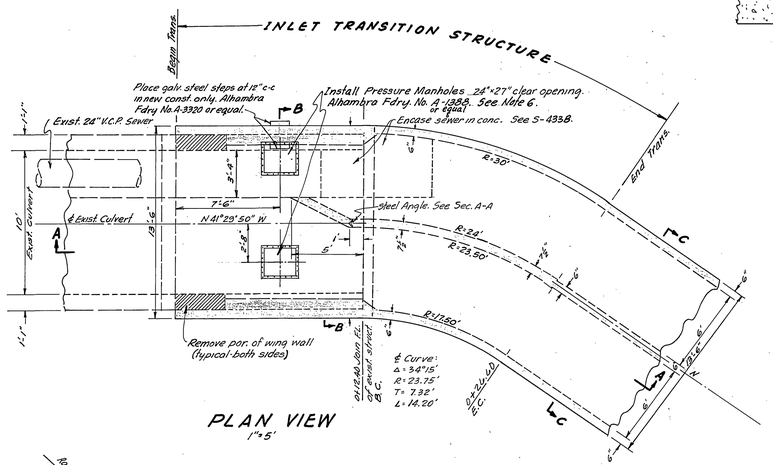
D - 156

SHEET 1 OF 2

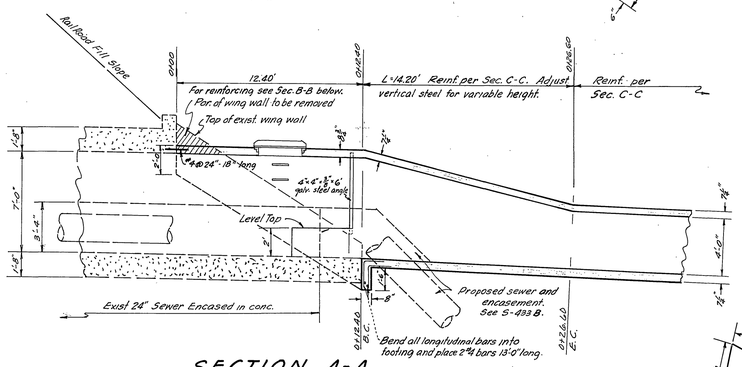
FILE NO. 4018

GENERAL NOTES:

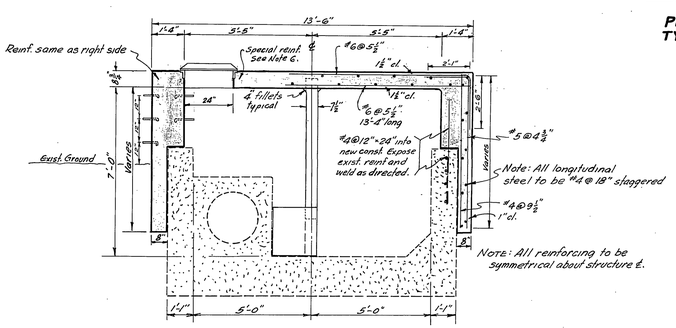
1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPT. OF PUBLIC WORKS SPECIFICATIONS AND STANDARD DRAWINGS
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF THE LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
3. CONCRETE USED SHALL BE CLASS 6.0-B-3000 CONCRETE.
4. BENCH MARK - PK NAIL IN N.E. CURB ON OLIVEWOOD AVE AT STA. 26+14 - ELEV - 870.159
5. ~~PROVIDE EXPANSION JOINTS IN WING WALLS AND TOP SLAB 75' CENTERS TO CENTERS~~
6. OPENINGS IN TOP SLAB: Hook all transverse bars where opening interferes with standard reinforcement and provide 4 extra #6 longitudinal bars 3" c-c for length of opening plus 24" anchorage at each end at top and at bottom of slab.
7. SEWER: All 24" V.C.P. Sewer construction shown on S-433B to be completed prior to construction of Inlet Transition Structure.



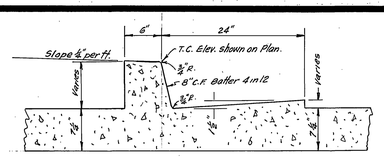
PLAN VIEW
1"=5'



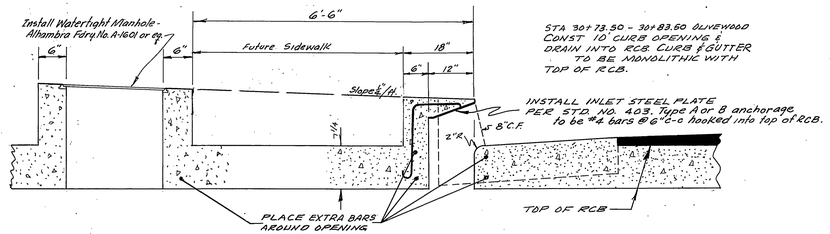
SECTION A-A
1"=5'



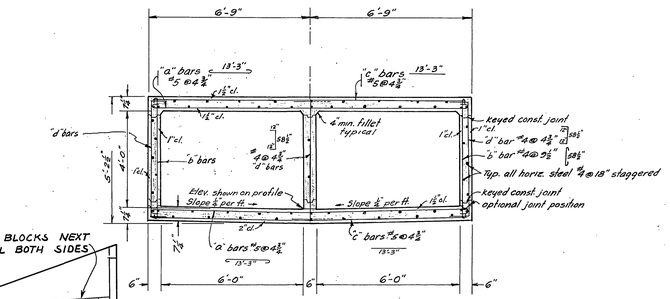
SECTION B-B
1"=3'



SECTION E-E
No Scale

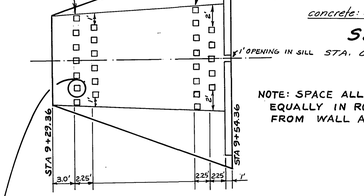


SECTION D-D
No Scale



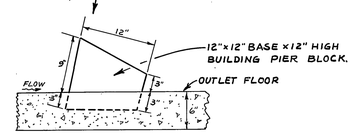
concrete: 0.83 c.y. per l.f. steel: 138.2 lb. per l.f.

SECTION C-C
Scale: 1"=3'

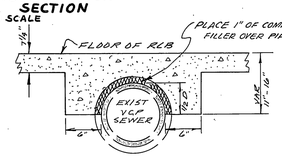


NOTE: SPACE ALL PIER BLOCKS EQUALLY IN ROW. SPACE FROM WALL AS SHOWN.

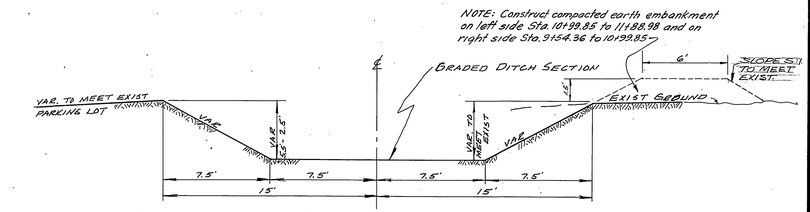
PIER BLOCK LAYOUT
SCALE: 1"=10'



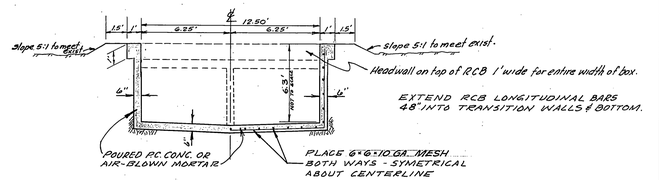
PIER INSTALLATION TYPICAL SECTION
NO SCALE



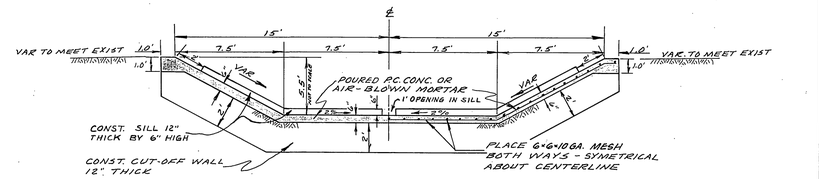
SEWER ENCASEMENT
STA. 8+05±
No Scale



9+54.36 - 11+88.98
Scale: 1"=5'

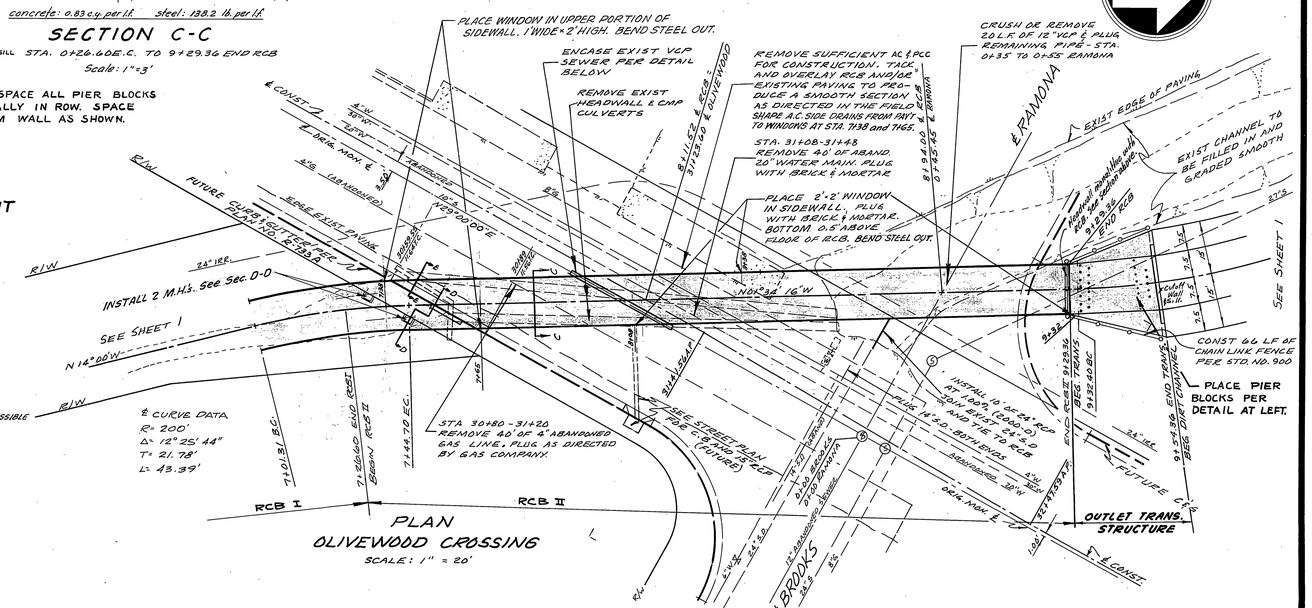


BEGIN TRANSITION
9+29.36
Scale: 1"=5'



END TRANSITION
9+54.36
Scale: 1"=5'

NOTE: SEE SHEET 1 OF 2 FOR PROFILE.
SEE PLAN NO. R-133A FOR STREET CONST. (FUTURE)



PLAN
OLIVEWOOD CROSSING
SCALE: 1" = 20'

CRAWLEY, HAWKINS & HIEBER ENGINEERS AND SURVEYORS RIVERSIDE, CALIFORNIA APPROVED: George O. Crawley Dated 8/16/68 ℄ C.E. 9455 FOR: Liberty Sav. & Loan Assn.	MARK / REVISIONS / APPR. / DATE DESIGNED BY G.C. DRAWN BY G.C. CHECKED BY	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY / BY / DATE OFFICE ENGINEER — 8/13 ~~PARK DEPARTMENT~~ ~~TRAFFIC DIVISION~~ ASSISTANT CITY ENG. APPROVED BY William D. Harsten DIRECTOR OF PUBLIC WORKS DATE SEPT. 3, 1968	STORM DRAIN DETAILS TEQUESQUITE STORM DRAIN AT OLIVEWOOD HORIZ. SCALE: 1" = VAR. VERT. SCALE: 1" =	PROJECT NO. 403 D-156 SHEET 2 OF 2 FILE NO. 4018

SPECIAL CONST. NOTES

(1) PLACE 2.5" OF AC. OVER NATIVE SOIL.

(2) OVERLAY EXISTING PAVEMENT WITH VARIABLE THICKNESS A.C.

GENERAL CONST. NOTES

1. MINIMUM COVER FOR REBAR SHALL BE 1.5" IN THE COVER SLAB AND 2.5" IN THE FOOTING. MINIMUM COVER FOR STIRRUPS SHALL BE 1".
2. REMOVE OR SCARIFY EXIST. AC. WHERE NEW CONST IS INDICATED
3. PCC CHANNEL LINING TO BE WOOD TROWEL FINISH
4. PROVIDE EXPANSION JOINTS AT 25' C.C. IN PCC CHANNEL.

CURB PROFILES FOR APRON AND SOUTH END OF COVER

CURB RETURN PROFILES (D) AND (E)

PROP. F.L. FUTURE CHANNEL S=0.0092 S=0.0092

REMOVE 70' OF ABANDONED 20" WATER MAIN. PLUG REMAINING PIPE WITH 8" THICK BRICK AND MORTAR WALL

REMOVE 70' OF ABAND. 4" GAS MAIN. PLUG AS DIRECTED BY GAS COMPANY.

(CONFLICTING UTILITIES TO BE REMOVED OR RELOCATED BY OTHERS PRIOR TO CONTRACT EXCEPT AS NOTED)

F.L. PROP. CHANNEL

ENCASE PER DETAIL BELOW

REMOVE OR CRUSH IN PLACE. SEE NOTE BELOW

CONST. 284.85' OF PCC CHANNEL

CONST. 221.58' OF GRADED CHANNEL

STA. 9+65 CONST. END WALL SEE DETAIL ON SHT. 2

STA. 9+65 TO 9+75 CHANNEL TRANSITION

TOP OF CHANNEL, 15' LT.

EXIST. SURFACE, 15' RT. TOP OF CHANNEL TO MEET EXIST.

S=.0086 S=.0020 S=.0042

F.L. PROP. CHANNEL

F B	716, 730, 731, & 740
B M	P.K. NAIL NE CURB ON OLIVEWOOD AVE. AT STA. 26+16±
	ELEV. 820.159

PROFILE 8" CONC. PIPE STA. 7+03 S.D.
SCALE 1"=10'

APRON SECTION B-B
SCALE 1"=5'

STA. 30+65 TO 31+35 OLIVEWOOD REMOVE 70' OF ABAND GAS MAIN.

STA. 30+92 TO 31+62 OLIVEWOOD REMOVE 70' OF ABAND 20" WATER MAIN. PLUG AS NOTED ON PROFILE.

CONST. GRADED DIRT DRIVEWAY

STA. 0+35 TO 0+57 RAMONA CRUSH OR REMOVE 22' OF 12" V.C.P. PLUG REMAINING PIPE WITH PCC MORTAR.

INSTALL 21' OF 15" RCP PER DETAIL ABOVE

PROFILE 15" RCP

FILL BETWEEN PARKING LOT AND CHANNEL AS SHOWN ON TYPICAL SECTION, SHEET 2.

CONST. 211.58' OF GRADED CHANNEL

9+65 TO 9+75 CHANNEL TRANSITION

CONST. END WALL PER DETAIL ON SHEET 2.

CONST. 311' OF CHAIN LINK FENCE PER STD. 900

A.C. DITCH STA. 31+00 TO 31+40 SECTION A-A

STA. 30+00 TO 30+10 REMOVE 10' OF EXIST. AC BERM & CONST. AC BASIN. SEE 8" C.P. PROFILE ABOVE.

INSTALL 30' OF 8" CP SEE PROFILE ABOVE

CONST. 155' OF CHAIN LINK FENCE PER STD. 900

REMOVE EXIST. HEADWALL AND CMP CULVERTS

STA. 31+10 TO 31+15 CONST. AC BASIN SEE 8" C.P. PROFILE BELOW

INSTALL 12' OF 8" C.P. SEE PROFILE BELOW RT.

BLOWOFF TO BE RELOCATED BY OTHERS

ENCASE 34' OF EXIST. 10" SEWER PER DETAIL BELOW

GRADE TO DRAIN

REMOVE 8'± OF EXIST. 14" R.C.P. PLUG REMAINING PIPE WITH P.C.C. MORTAR AT BOTH ENDS

INSTALL 16' OF 24" RCP, 2000-D PER PROFILE AT RT.

CONST. GRADED DIRT ROAD WAY

PROFILE OF 24" R.C.P.
SCALE 1"=5'

REMOVE 8'± OF EXIST. 24" RCP.

6' CASE I BEDDING

CONST. 8"x12" P.C.C. COLLAR IF JOINT IS NOT AT CLEAN BEVELED END OF EXIST. PIPE

0+16 JOIN EXIST PIPE

INSTALL 16' OF 24" RCP, 2000-D

10' OF CASE III BEDDING PER STD. 452, N=D+1

PROFILE 8" C.P., STA. 7+85 RT.

ENCASEMENT DETAIL EXIST. SEWER STA. 8+02±

4" CHANNEL LINING

EXIST. V.C.P. SEWER

BELL

CONST. AC BASIN

INSTALL 12' OF 8" C.P. SINGLE WALL CASE III BEDDING PER STD. 452, N=D+1

CURVE DATA SCHEDULE

	R	Δ	T	L
(A)	10'	47°00'00"	4.35'	8.20'
(B)	10'	30°34'16"	2.72'	5.34'
(C)	200.00'	12°25'44"	21.78'	43.38
(D)	35'	89°57'42"	34.98'	54.95'
(E)	35'	90°01'47"	35.02'	55.00'
(F)	200.00'	48°00'00"	89.05'	167.45'
(G)	217.81'	23°26'49"	45.20'	89.13

BEGIN CONST.

END CONST.

TERRACINA

END PROJECT

TEQUESQUITE

OLIVEWOOD AVE.

BROOKS ST.

BEGIN PROJECT

PROJECT LOCATION MAP
SCALE 1"=100'

VOID

MARK	REVISIONS	APPR.	DATE

DESIGNED BY SJE DRAWN BY Sam M CHECKED BY SJE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
OFFICE ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
ASSISTANT CITY ENG.		

APPROVED BY

DIRECTOR OF PUBLIC WORKS

DATE

~~TEQUESQUITE STORM DRAIN~~
AT OLIVEWOOD AVENUE

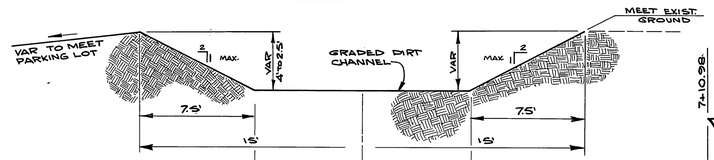
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 2'

PROJECT NO. 3104

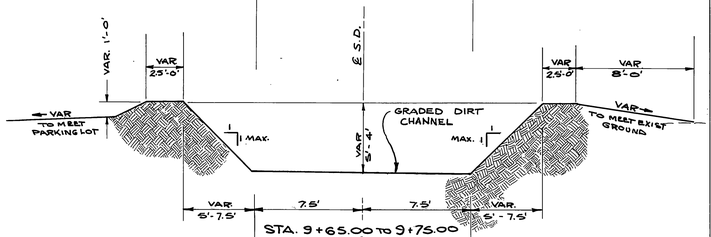
~~D 156~~

SHEET 1 OF 2

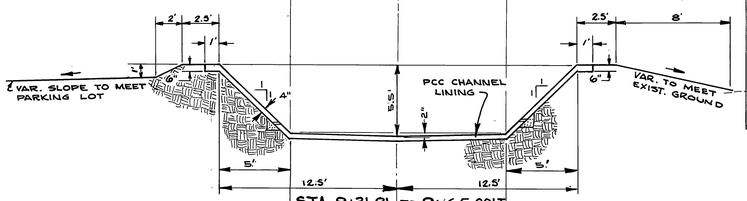
FILE NO.



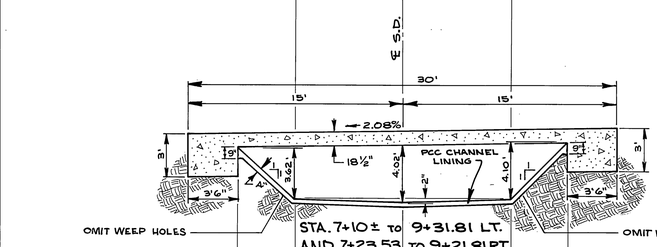
STA. 9+75.00 TO 11+86.58



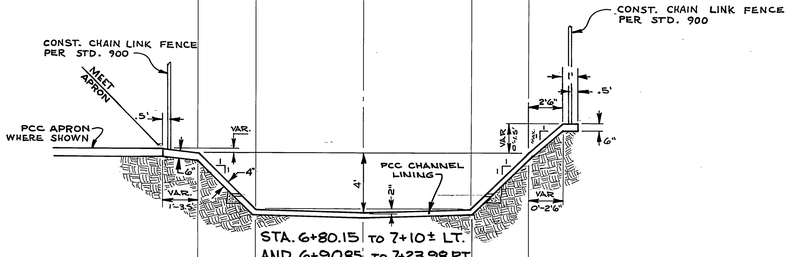
STA. 9+65.00 TO 9+75.00



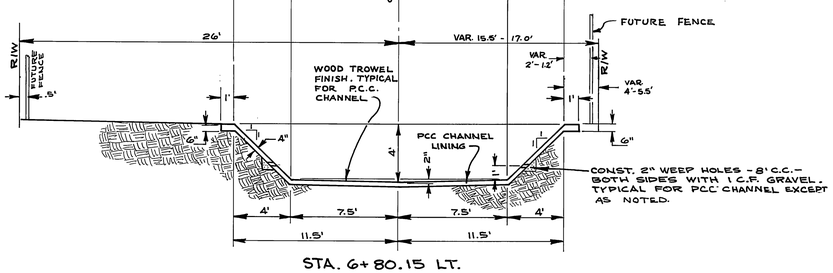
STA. 9+31.81 TO 9+65.00 LT.
AND 9+21.81 TO 9+65.00 RT.



STA. 7+10± TO 9+31.81 LT.
AND 7+23.53 TO 9+21.81 RT.



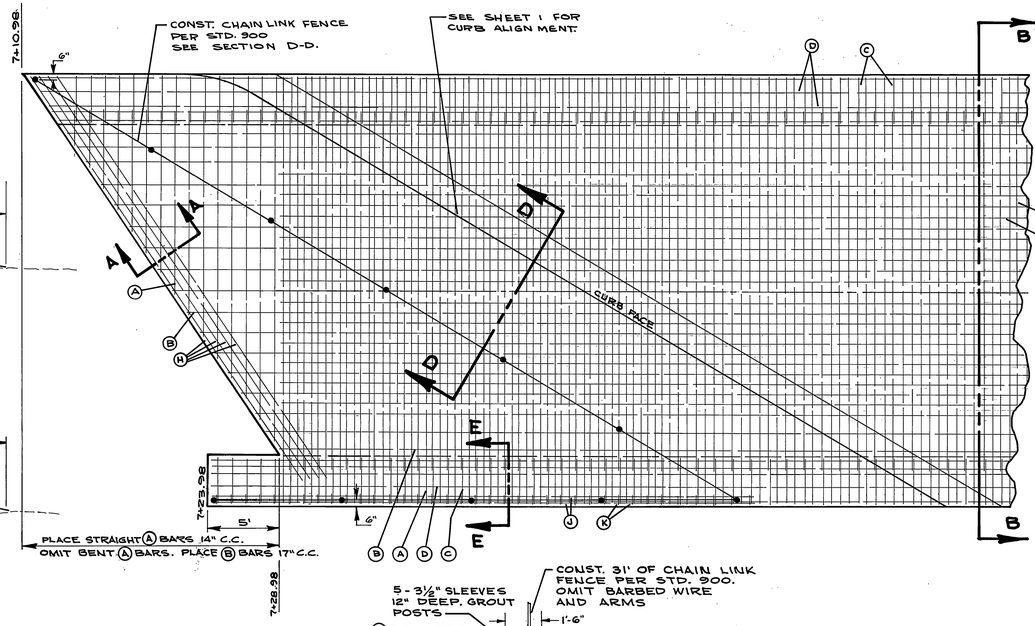
STA. 6+80.15 TO 7+10± LT.
AND 6+90.85 TO 7+23.98 RT.

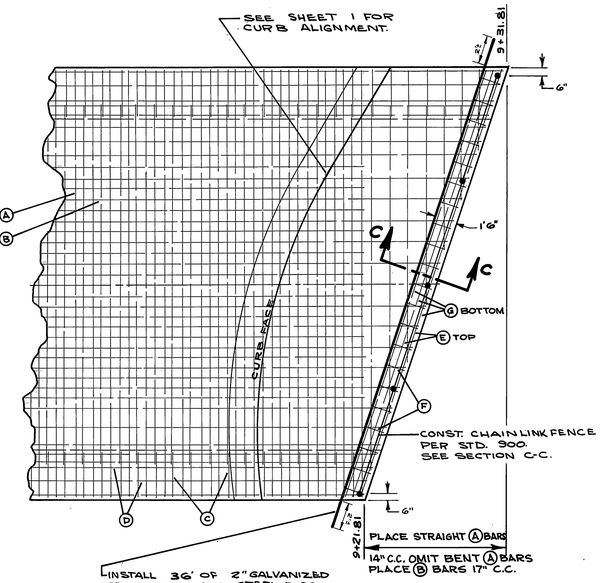


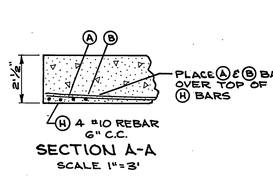
STA. 6+80.15 LT.
AND 6+80.15 TO 6+90.85 RT.

TYPICAL SECTIONS

SCALE 1" = 5'

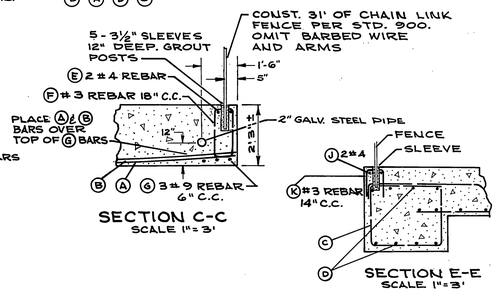






SECTION A-A

SCALE 1" = 3'

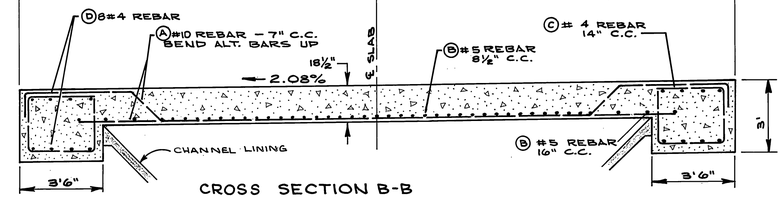


SECTION C-C

SCALE 1" = 3'

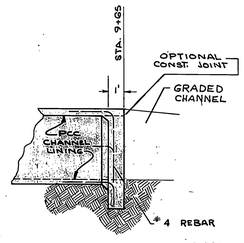
SECTION E-E

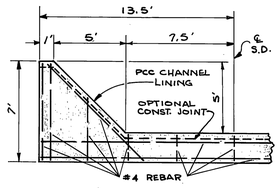
SCALE 1" = 3'



CROSS SECTION B-B

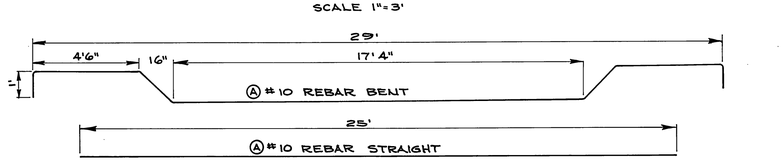
SCALE 1" = 3'

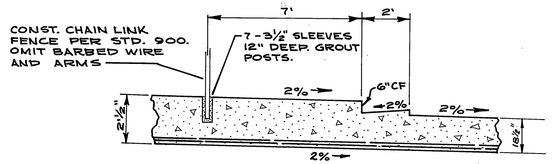




END WALL DETAIL

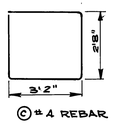
SCALE: 1" = 5'





SECTION D-D

SCALE 1" = 3'



(C) # 4 REBAR

(F) #3 REBAR

(K) #3 REBAR

VOID

MARK	REVISIONS	APPR.	DATE

DESIGNED BY DTG DRAWN BY Sam P CHECKED BY DTG 86

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
OFFICE ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
ASSISTANT CITY ENG.		

APPROVED BY

DIRECTOR OF PUBLIC WORKS

DATE

~~TEQUESQUITE~~
~~STORM DRAIN~~
AT OLIVEWOOD AVENUE

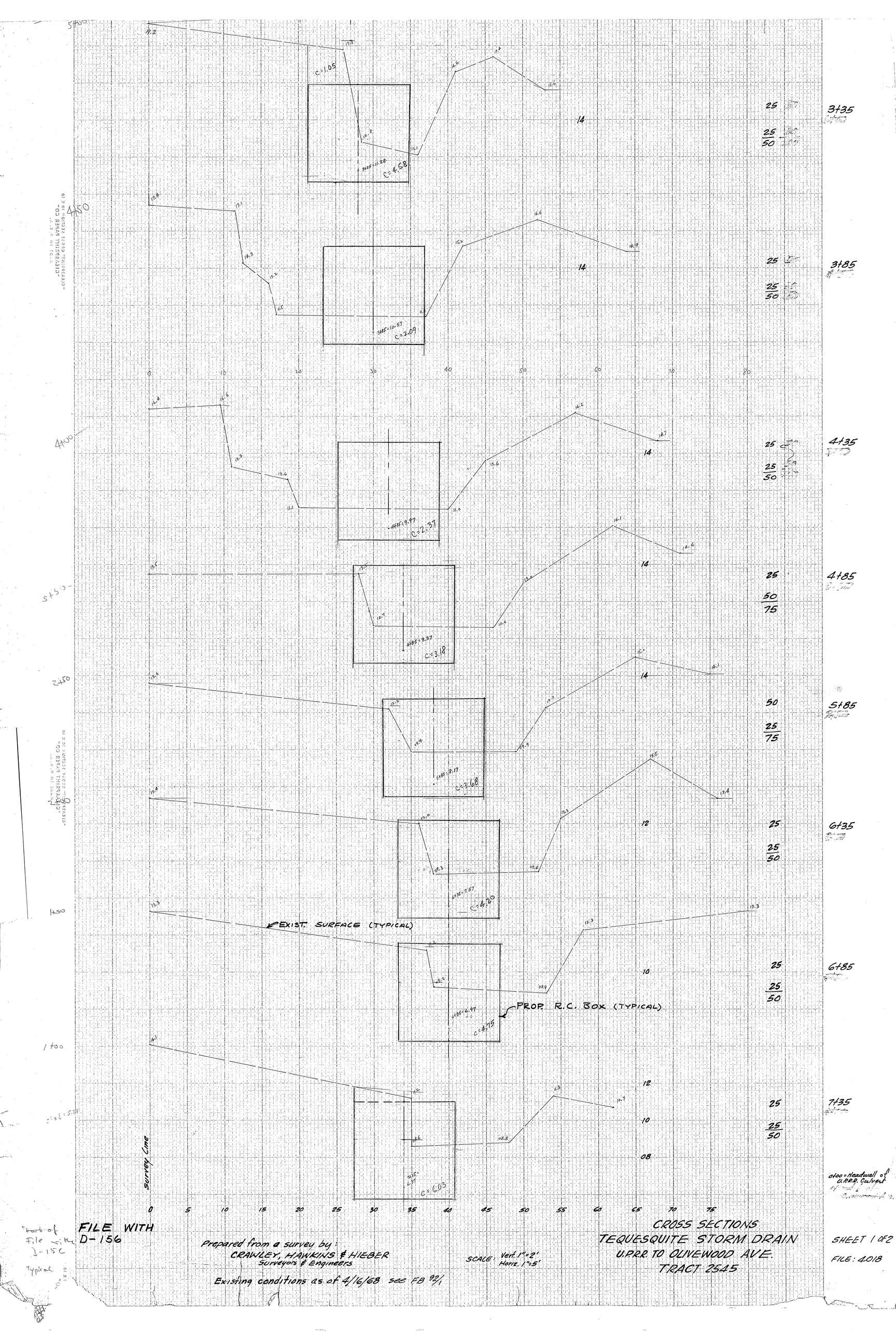
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 2'

PROJECT NO. 3104

~~D-156~~

SHEET 2 OF 2

FILE NO.



FILE WITH D-156

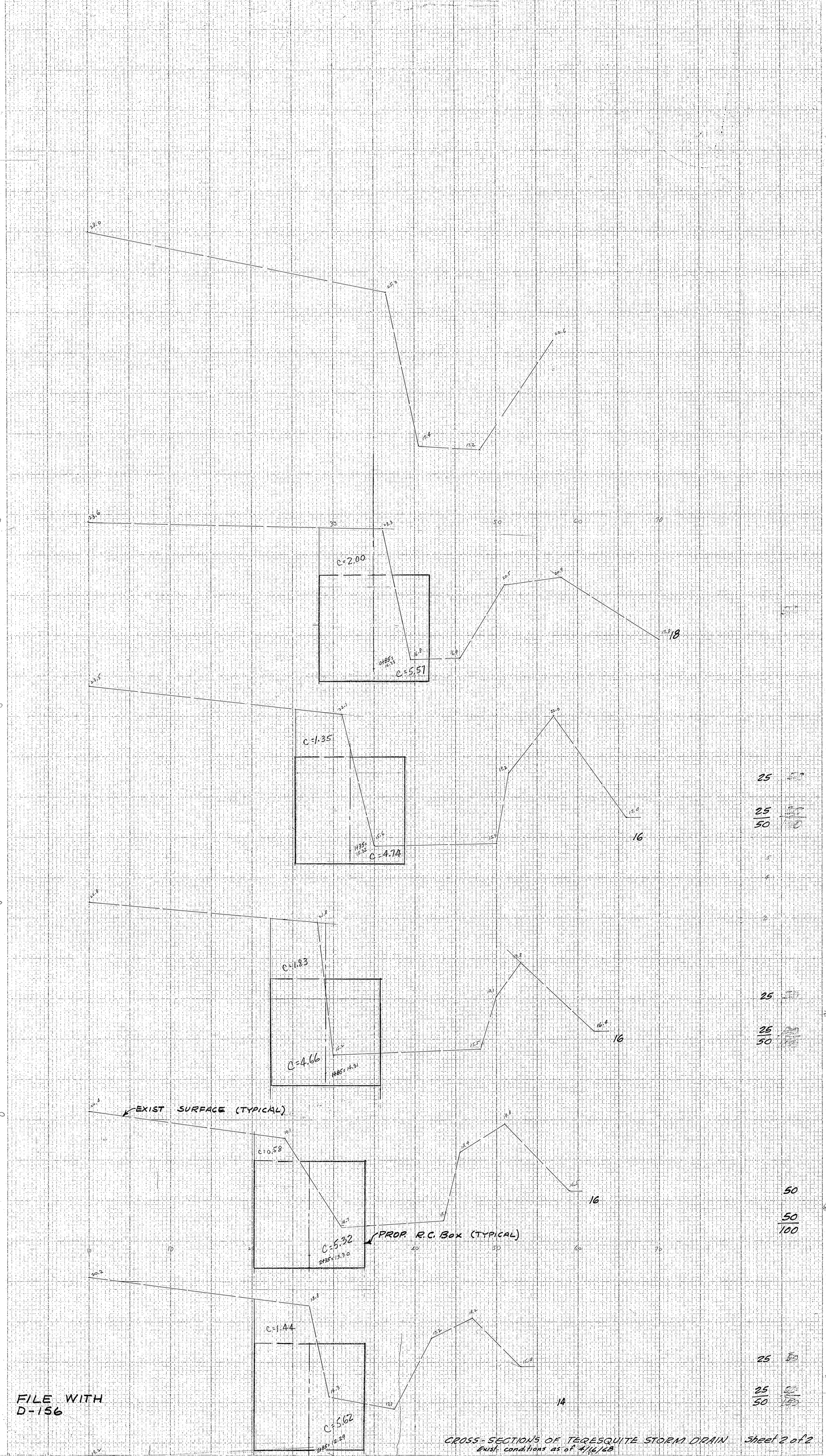
Prepared from a survey by:
CRAWLEY, HAWKINS & HIEBER
Surveyors & Engineers

Existing conditions as of 4/16/68 see FB 92/1

SCALE: Vert. 1"=2'
Horiz. 1"=5'

CROSS SECTIONS
TEQUESQUITE STORM DRAIN
U.P.R.R. TO OLIVEWOOD AVE.
TRACT 2545

SHEET 1 OF 2
FILE: 4018



FILE WITH
D-156

CROSS-SECTIONS OF TERESQUITE STORM DRAIN Sheet 2 of 2 FILE: 4018
Exist. conditions as of 4/16/68