PLATE I—PLAN PROFILE & P. R. STANDARD
THE FREDERICK POST CO., CHICAGO

PROFILE

NOTE BOOK
NO.

SURVEYED
PLOTTED
GRADES CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED

BY

DATE

73.36
75.36
75.11

975
970
965
980

PROPOSED LOT GRADE

NATURAL GROUND

EX. GROUND

EX. PAVT.

EX. WATER LINE

EX. SEWER LINE

EX. STORM DRAIN

CATCH BASIN - STD 405 & OPENING

NOTE: CONTRACTOR IS TO EXPOSE EXIST. WATER LINES & CONTACT ENGINEER FOR VERIFICATION OF ELEVATIONS PRIOR TO CONSTRUCTION.

24"ø R.C.P.

18"ø R.C.P.

15"ø R.C.P.

95.48 @ 0.85%

129.65 @ 0.50%

21.70 @ 0.50%

67.51 @ 0.50%

EXIST. DRAINAGE STRUCTURE
S.S. = X452.5 SEE DET. ALLOW.

NOTE:
CONTRACTOR IS TO EXPOSE TOP OF EXISTING DRAINAGE STRUCTURE PRIOR TO REMOVAL AND NOTIFY ENGINEER SO THAT ELEVATIONS MAY BE VERIFIED, AND GRADES ADJUSTED ACCORDINGLY.

SCALE
HORIZ. 1"=50'
VERT. 1"=5'

BENCH MARK:
RIM OF CAPPED MONUMENT AT INTERSECTION OF HORACE & VICTORIA. F.B. 499/25
ELEV. 973.64

EX. GROUND
SEE DETAIL "F" FOR DETAILS
EX. PAVT.
24"ø R.C.P.
8'
4'
86' OF 11"x18" C.M.P.A. @ 0.40%
CRUSHED ROCK 1" MAX - ⅜" MIN. (No Fines)

DETAIL "F"
SCALE 1"=5'

⅛" x 1" STL. BAR @ 1½" OC. WELDED TO CIRCULAR RING
⅛" x 1" STL. BAR SPACERS WELDED BETWEEN CROSS BARS @ 6' OC.
⅜" x 2" CIRCULAR FLAT BAR
O.D. OF 24" R.C.P. + ⅜"

GRATING DETAIL
NO SCALE

A.P. 24"ø R.C.P. BEGIN PIPE
2.48% GRADE
2+17.70 @ N.41°18'58"E.
24"ø R.C.P.
CONST. CLEANOUT BOX STD. 425 (ALTER DIM. AS NOTED)
DETAIL C
SCALE 1"=5'
2+81.11 ANGLE POINT
2+80.61 ANGLE POINT
END 24"ø R.C.P.
4+11.09 BEGIN 24"ø R.C.P.
4+11.49 END 24"ø R.C.P.
4+13.89 BEGIN PIPE
4+14.29 END PIPE
CONST. CATCH BASIN TYPE 3 STD. 405 t=6" V=2.8 5' OPENING
CONST. CHANNEL IN BOTTOM PER STD. DWG. 425.
DETAIL D
SCALE 1"=5'
PERCIVAL DRIVE
N.41°18'58"E. (M)
R=2200'
CONST. CATCH BASIN TYPE 3 STD. 405 t=6" V=3.2 6' OPENING
15" R.C.P.
DETAIL E
SCALE 1"=5'

X-SECTION EXISTING STRUCTURE
NO SCALE
SEE X-SHEET @ LEFT
CONST. PRE-JUNCTION STRUCTURE STD. 425 - 4'-10 3/4" F.S.
SEE NOTE IN PROFILE ABOVE
13+20.33
13+21.05
REMOVE 34' of EXIST. STRUCTURE
13+30.00 INSIDE FACE
13+30.67
DETAIL A
SCALE 1"=5'
13+45.5
13+45.5
N.39°55'10"W. ℄ HORACE ST.
CONST. CATCH BASIN TYPE 4 STD. 406 t=8" V=5.2 DBL. GRATE
13+83.33 B.C.R.
5.75%
5.25%
14+00
DETAIL B
SCALE 1"=5'

SCALE 1"=50'

SEE DETAIL "F" (X-SECTION)
GRADING TO DRAIN TO CATCH BASIN
10" WATER LINE
NOTE: CONTRACTOR IS TO EXPOSE EX. WATER LINES AND CONTACT ENGINEER FOR VERIFICATION OF ELEVATIONS PRIOR TO CONST.
VICTORIA AVENUE
70+50.89 VICTORIA AVE.
= 13+13.57 HORACE ST.
SEE DETAIL "A"
SEE NOTE ABOVE IN PROFILE
CONST. 24"ø R.C.P. 2000D
SEE DETAIL "B"
CATCH BASIN No. 1
24" WATER LINE
CONST. CATCH BASIN TYPE 3 STD. 405 t=6" V=2.8 5' OPENING - FL. 17.18-0.50
NOTE "A" EXISTING HEADWALL TO BE REMOVED TO CLEAR NEW STORM DRAIN. SEE NOTE ON PROFILE
SEE DETAIL "C"
CONST. 24"ø R.C.P. 2000D
SEWER & STORM DRAIN EASE.
HORACE ST.
33
34
39
38
35
25
CONST. 15"ø R.C.P. 2000D
SEE DETAIL "D" CATCH BASIN No. 2
SEE DETAIL "E" CATCH BASIN No. 3
PERCIVAL DR.
N.39°55'10"W.
N.50°04'50"E.

QUANTITY ESTIMATE

24"ø R.C.P. 2000D	275 L.F.
24"ø C.P. 1000D	150 L.F.
15"ø R.C.P. 2000D	96 L.F.
11"x18" C.M.P.A.	103 L.F.
CATCH BASIN-TYPE 4-STD. 406	1 EA.
CATCH BASIN-TYPE 3-STD. 405	3 EA.
JUNCTION STRUCTURE-STD. 422	1 EA.
CLEANOUT BOX-STD. 425	1 EA.
24" R.C.P. BUBBLER (DET. "F")	1 EA.
OUTLET STRUCTURE-STD. 410	1 EA.
PAVING REPLACEMENT	500 S.F.
CONCRETE REMOVAL	L.S.

NOTE: SEE PLAN R-727 FOR PORTION OF 11"x18" C.M.P.A. & OUTLET STRUCTURE.

INDEXED HO

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS · RIVERSIDE, CALIFORNIA
APPROVED Albert N. Webb DATE 7/26/63
R.E. 9876

MARK	DATE	REVISION DESCRIPTION
1	7-1-64	REVISED GRADES AFTER EXISTING STRUCT. WAS EXPOSED. E.N.W. W.D. ARJ
2	8-21-64	REVISED D LOAD AND QUANTITY ESTIMATE E.N.W. W.D. ARJ

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

STORM DRAIN
PLAN AND PROFILE
FOR
TRACT No. 2553

DATE	JULY 1963
DRAWN	dlr
CHECKED	RON WDS ARJ
SCALE	NOTED
W.O.	63-27
F.B.	499
APPROVED BY	DIRECTOR OF PUBLIC WORKS
DATE	9-30-63
NO.	D-101
SHEET	1 OF 1

PLAN

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RT. OF WAY CHECKED

BY

DATE

DWG. No. 63-27 D