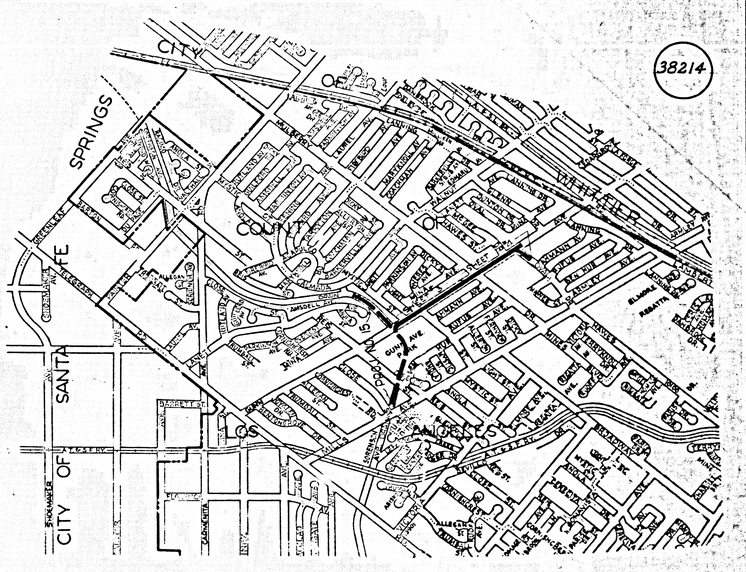
INDEX TO PLANS

	SHEET NO.
LOCATION MAP AND INDEX TO PLANS	1
STANDARD PLANS AND GENERAL NOTES	2
PLANS AND PROFILE	3 TO 4
LOG OF BORINGS	5



LOCATION MAP
SCALE: 1" = 600'
600 0 600 1200 1800

LEGEND
Proposed Storm Drains
Existing Storm Drain

1958 STORM DRAIN BOND ISSUE P.C. 7646

APPROVAL RECOMMENDED
R. W. Caillard
ASSIT. CHIEF DEPUTY ENGINEER
LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PREPARED BY
JOHN A. LAMBIE
COUNTY ENGINEER
RECOMMENDED BY
H. E. Hadley
CIVIL ENGINEER DESIGN DIVISION
DRAWN BY H. Hang-B DESIGNED BY H. Hang-B
TRACED BY M. Nilsen SUBMITTED BY K. Kamman
CHECKED BY P. Gardner DATE 8-10-65

REVISIONS		
MARK	DATE	DESCRIPTION

DRAWN BY County of L.A. DESIGNED BY County of L.A.
TRACED BY County of L.A.
CHECKED BY County of L.A. SUBMITTED BY C.W.H.
RECOMMENDED BY H. E. Hadley
DIVISION ENGINEER

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PROJECT NO. 693
GUNN AVE
(SUPPLEMENTAL)
LOCATION MAP
AND
INDEX TO PLANS

APPROVED BY Walter A. Hoffman 12-7-65
CHIEF ENGINEER

SCALE AS SHOWN | DATE DEC. 65 | NO. 275-693-D2.1 | SHEET 1 OF 5

GENERAL NOTES

Elevations are in feet above U.S.C. & G.S. Mean Sea Level Datum of 1929, based on the Los Angeles County Engineer's Precise Level Net, 1952 adjustment.

Stationing of Main Line Drawings is based on survey in C.S.F.B. 1945

Stations shown on profile are along centerline of conduit or on a line normal to centerline of conduit.

All pipe not otherwise specified shall be Extra Strength Non-Reinforced Concrete Pipe.

All pipe in open trench shall be bedded in accordance with Standard Drawing No. 2-D177, Case III, except bell and spigot pipe, which shall have Case II bedding, unless otherwise shown on the Project Drawings or modified by the Specifications.

Concrete backfill for pipe where called for on Standard Drawing No. 2-D213.1 shall be used around both reinforced and non-reinforced concrete connector pipe 36 inches or less in diameter. Concrete backfill for mainline pipe shall be used only when directed by the Engineer.

⊕ Utilities marked with the symbol ⊕ are to be relocated by others

Existing utilities shall be maintained in place by the contractor unless otherwise shown on the Project Drawings.

* Utilities designated by the symbol * will be abandoned in place and the owner will install a new section of the affected utility at a location in close proximity to, but which does not physically interfere with the proposed storm drain conduit and appurtenant structures.

△ The contractor shall make exploratory excavations to determine the location and depths of all utilities crossing the mainline conduit which are marked with the symbol △.

Where elevations of utilities are shown on the profiles, exploratory excavations have been made and the location and depth of the utilities have been determined.

All structures not otherwise specified are Standard Structures. For details, see appropriate Standard Drawing.

Locations shown on the plans for existing sanitary sewer house connections are approximate only.

Sanitary Sewer house lateral reconstruction shall be according to Std. Dwg. No. 2-D250

Sanitary Sewer house laterals crossing over the storm drain shall be supported per Std. Dwg. No. 2-D173.1 to 3 and encased per General Note 1, Std. Dwg. 2-D173.1

Sanitary Sewer mainline and house lateral protection shall be according to Std. Dwg. No. 2-D251 where noted on plans.

At side opening catch basin locations where no curb exists, the catch basin shall be built with a curb face of 12 inches. Where there is an existing curb with a height less than 8 inches, the depth of depression below gutter grade shall be sufficient to provide an 8 inch opening into the catch basin. Where the existing curb height is 8 inches or more, the curb face at the catch basin shall be that of the existing curb height plus 4 inches, unless otherwise specified on the Project Drawings.

If an elevation is shown at a catch basin, it refers to the top of proposed curb at centerline of basin.

Except as otherwise specified on the Project Drawings, a Local Depression No. 2, case B, Standard Drawing No. 2-D88, shall be constructed at all catch basin locations of the type shown in the table below with the dimensions for "W" and "L" on the Local Depression being as follows: (22)

Type of Catch Basin	W(ft.)	L(ft.)
C.B. No. 1	4	6
C.B. No. 2	4	7
C.B. No. 3 (W=10')	4	8
C.B. No. 3 (W=14')	4	9

Except as otherwise indicated, the dimensions to the centerline of catch basin are from the end of curb return.

⌀ Catch Basins which are marked with symbol ⌀ shall be modified per Std. Dwg. No. 2-D232.

Connector pipe junctions with catch basins shall be located at the downstream ends of the catch basins unless otherwise noted. In all cases the exact locations will be determined in the field by the engineer to meet field conditions.

The depth of upstream end of Catch Basins 10 feet or more in length shall be curb face plus 12 inches, unless otherwise shown.

GENERAL NOTES (Cont'd)

Monolithic concrete catch basin connections shall be constructed where applicable per Standard Drawing No. 2-D224.

At locations where two catch basins are interconnected, the V_1 for the downstream basin is the vertical depth from the top of curb at the basin to the invert of the connector inlet to the basin. If V_1 is not shown on the plans, it shall be 0.5 feet less than the V dimension of the downstream basin.

All resurfacing, curbs, gutters, sidewalks, driveways and other existing improvements to be reconstructed, shall be constructed at the same elevation and location as the existing improvements, unless otherwise noted.

Except as otherwise shown on the Project Drawings, trenches within the paved areas of streets shall be resurfaced with A.C. pavement one inch greater in thickness than that shown to be existing. Where there is an existing base noted, it shall be replaced with aggregate base material, Type A, to the same thickness shown as existing.

Numbers in circles (8) indicate items under which payment will be made.

The Soils Test borings for this project were made in May, 1965.

Pipe connections to Reinforced Concrete Pipe Conduit shall conform to Standard Drawing No. 2-D193, unless otherwise shown on the Project Drawings.

Stations and invert elevations of pipe inlets shown on the profiles are at the inside face of the conduit, unless otherwise shown.

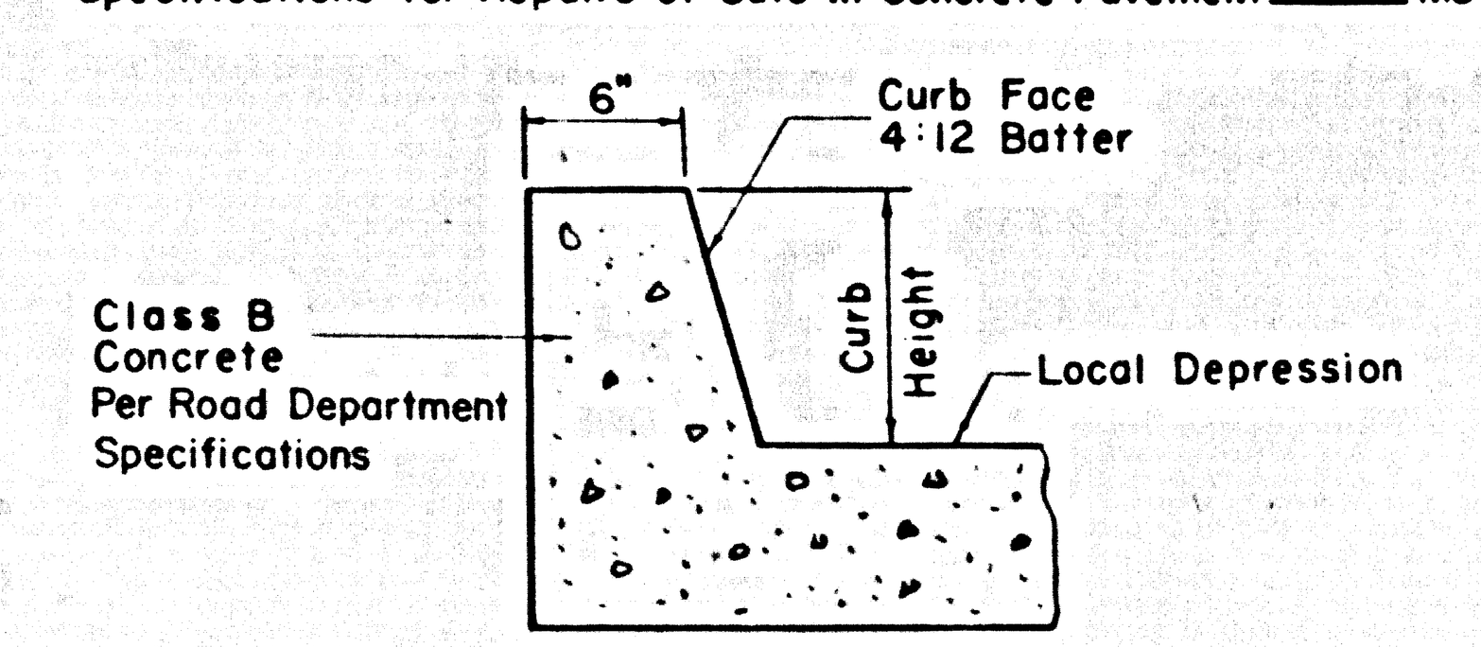
Except as otherwise noted, utilities shown on these drawings are owned by the following agencies:

- Gas: So. Counties Gas Co.
- Water: Suburban Water System.
- Telephone: General Telephone Co.

All openings resulting from the cutting or partial removal of existing culverts, pipes or similar structures shall be sealed with 8" of brick and mortar or 6" of concrete, unless othewise noted.

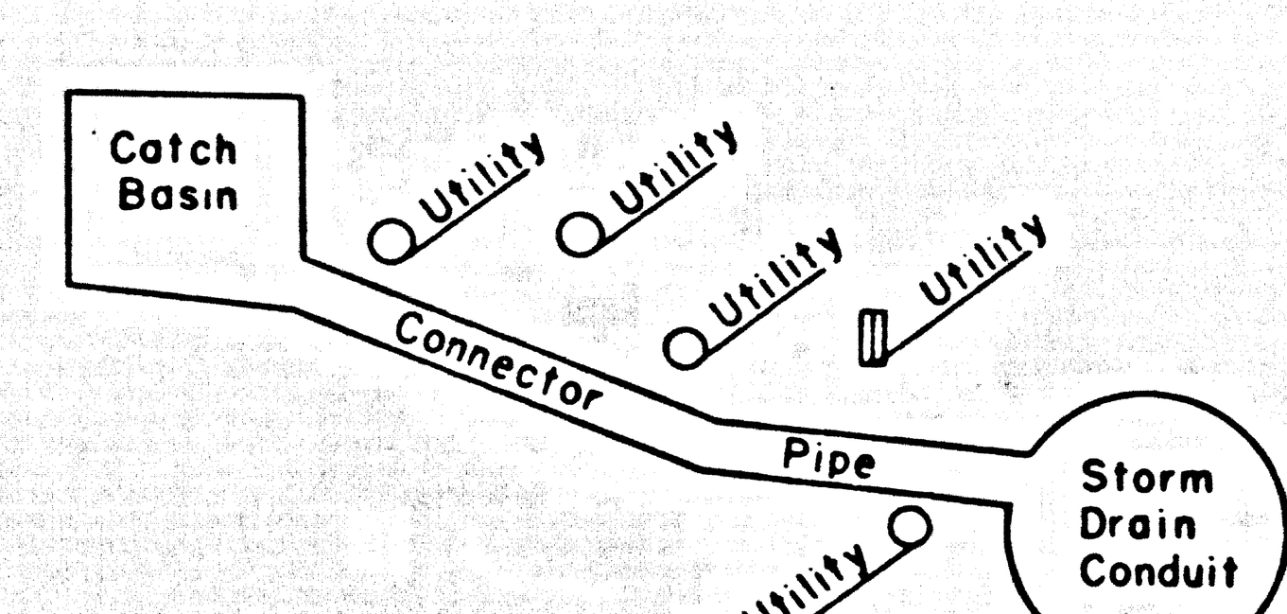
STANDARD DRAWINGS ~ COUNTY ROAD DEPARTMENT

	DRAWING NO.
Partial Concrete Replacement for Cross Gutters and Spandrels	M57-39R
Specifications for Repairs of Cuts in Concrete Pavement	M57-45R



At locations where local depressions are specified and no curb exists, the curb specified on Standard Drawing No. 2-D88 shall conform to the details shown above with the curb face varying from 12 inches at the basin to 8 inches at each end of the local depression.

TYPICAL CURB DETAIL



TYPICAL CONNECTOR PIPE PROFILE

NOTES:

1. The change in grade of the connector pipe may occur either over or under an existing utility. The particular utility at which the change in grade occurs is noted on the project drawings. At locations where utility crossings are marked "O" the connector pipe grade will break over the utility. At locations where utility crossings are marked "U" the connector pipe grade will break under the utility.
2. On those connector pipes where the change in grade is not indicated, it is assumed that the connector pipe can be laid on a straight grade from the catch basin to the Storm Drain without interference with utilities.
3. The Contractor shall make exploratory excavations to determine the exact location and depth of all utilities which are marked "O" or "U". After the exact location of a utility has been determined, the grade and alignment of the conn tor pipe will be staked so as to clear the utility.
4. A concrete collar per Std. 2-D393 shall be used where the change in grade or direction exceeas .10 ft. per foot.

STANDARD DRAWINGS ~ FLOOD CONTROL DISTRICT

(38215)

	DRAWING NO.
Local Depression No 2	2-D88
Standard Drop Step	2-D96
Concrete Rings, Reducer and Pipe for Manhole Shaft	2-D107
Junction Structure No. 2	2-D112
Manhole No. 4	2-D113
Catch Basin Reinforcement for Round Manholes	2-D157
Detail of Bolt Support for Catch Basins	2-D158
Catch Basin No. 1	2-D160
Detail of Angle and Anchor for Catch Basins	2-D161
Catch Basin No. 2	2-D162
Catch Basin No. 3	2-D163
Manhole Frame and Cover for Catch Basin	2-D158
Catch Basin No. 4	2-D101
Standard A-305 Reinforcing Bars	2-D171
Catch Basin Reinforcement	2-D172
Pipe Supports Across Trenches	2-D173.1 to 3
Removable Protection Bar For Catch Basins	2-D175
Pipe Bedding in Trenches	2-D177
Manhole No. 2	2-D164
Standard Non Rocking Manhole Frame and Cover	2-D181
Junction Structure No. 4	2-D193
"D" Load Table for Design of Reinforced Concrete Pipe	2-D213.1 & .2
Connection To Catch Basins for Pipe 12" Through 72"	2-D224
Frame and Grating for Catch Basin	2-D227
Detail of Catch Basin Opening	2-D232
Remodeling of Sanitary Sewer House Connections	2-D250
Protection For Main Line and House Connection Sewers	2-D251
Adjustable Protection Bar Stirrup	2-D264
Concrete Collar	2-D393
Criteria For The Design Of Shoring For Excavations	2-D399
Sample Sheet For Use As A Guide In Preparing Calculations For Shoring Of Excavations	2-D400
Unified Soil Classification System	2-D413

1958 STORM DRAIN BOND ISSUE

P.C. 7646

PREPARED BY
JOHN A. LAMBIE
COUNTY ENGINEER

RECOMMENDED BY
[signature]
DIVISION ENGINEER DESIGN DIVISION

DRAWN BY H. Hargis — DESIGNED BY H. Hargis
TRACED BY M. Nishi — SUBMITTED BY K. Kvamman
CHECKED BY R. Gardner — DATE 8-10-65

REVISIONS

MARK	DATE	DESCRIPTION

DRAWN BY County of L.A. — DESIGNED BY County of L.A.
TRACED BY County of L.A. — SUBMITTED BY C.W.H.
CHECKED BY County of L.A.
RECOMMENDED BY [signature] DIVISION ENGINEER (DESIGN)

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PROJECT NO. 693
GUNN AVE.
(SUPPLEMENTAL)
STANDARD DRAWINGS, GENERAL NOTES

APPROVED BY [signature] 12-16-65 CHIEF ENGINEER

SCALE	DATE	NO. 275-693-D2.2
NONE	DEC. 65	SHEET 2 OF 5

38216

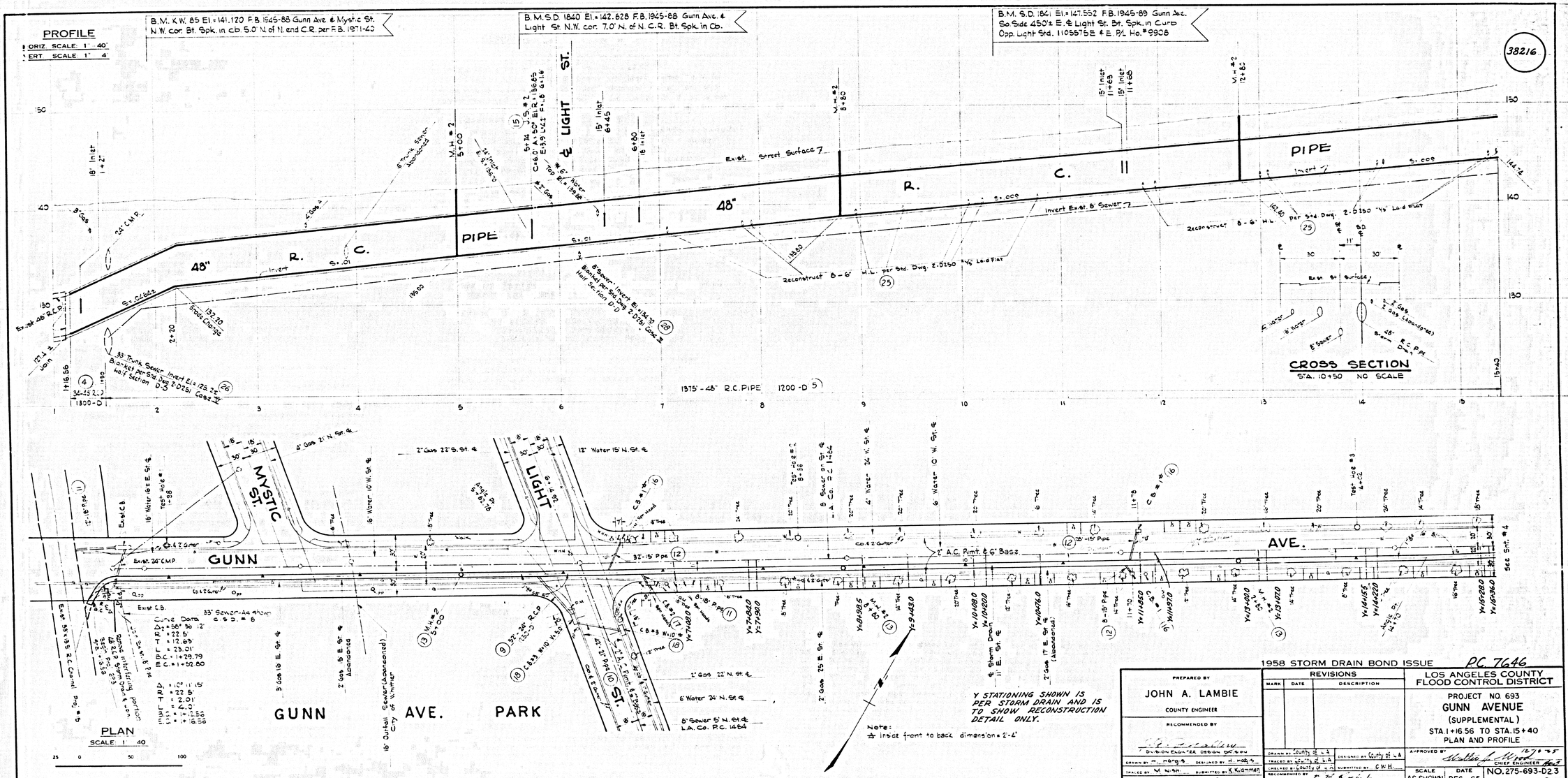
B.M. K.W. 85 El.=141.170 F.B. 1945-88 Gunn Ave. & Mystic St. N.W. cor. Bt. Spk. in c.b. 5.0' N. of N. end C.R. per F.B. 1971-43

B.M.S.D. 1840 El.=142.628 F.B. 1945-88 Gunn Ave. & Light St. N.W. cor. 7.0' N. of N. C.R. Bt. Spk. in Cb.

B.M. S.D. 1841 El.=147.552 F.B. 1945-89 Gunn Ave. So. Side 450'± E. of Light St. Bt. Spk. in Curb Opp. Light Std. 1105575E & E. P/L Ho.=9908

PROFILE

ORIZ. SCALE: 1" = 40'
ERT. SCALE: 1" = 4'



1375'-48" R.C. PIPE 1200-D (5)

PLAN

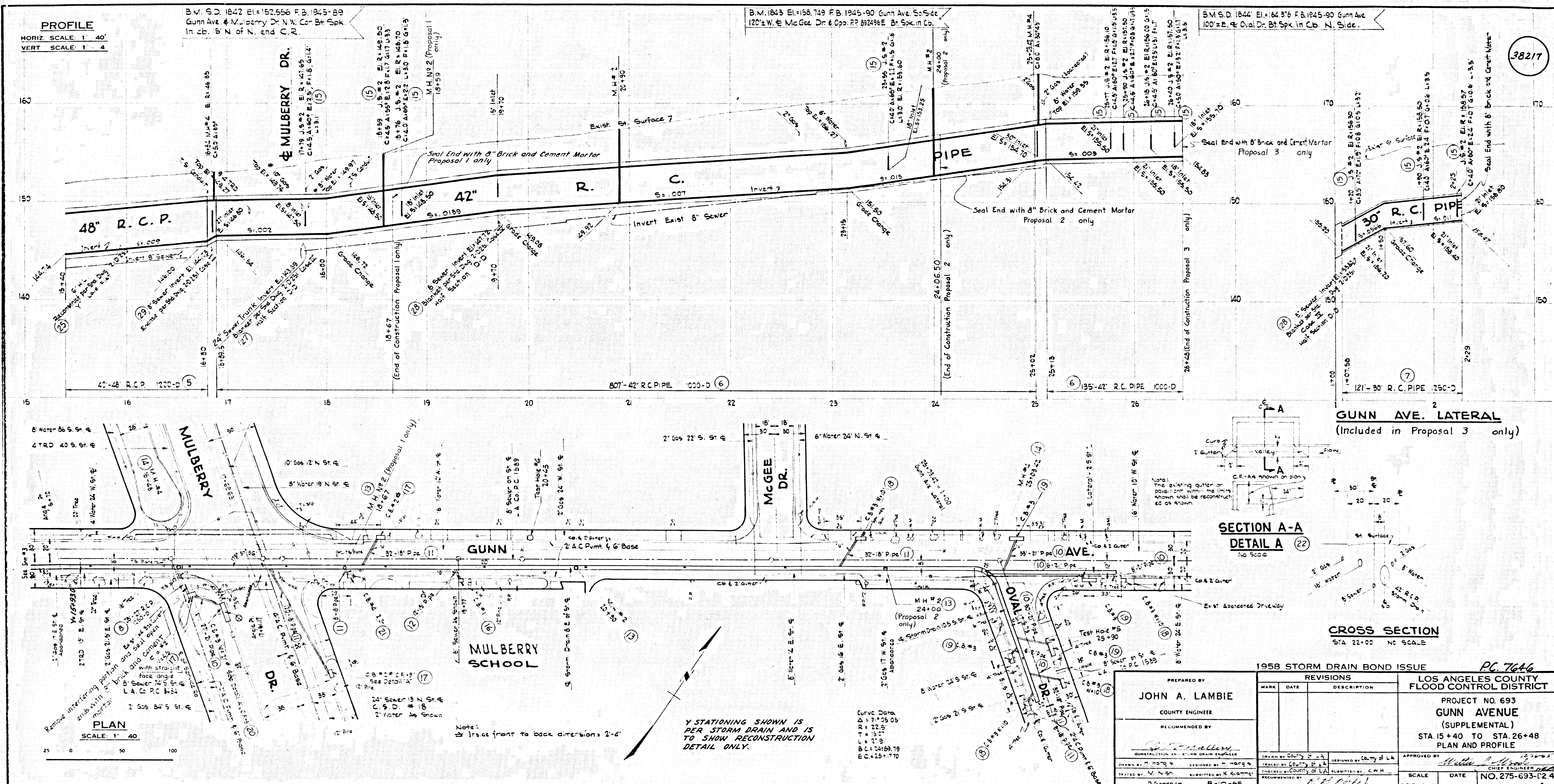
SCALE: 1" = 40'

Note:
* Inset front to back dimension = 2'-4"

Y STATIONING SHOWN IS PER STORM DRAIN AND IS TO SHOW RECONSTRUCTION DETAIL ONLY.

1958 STORM DRAIN BOND ISSUE P.C. 7646

PREPARED BY	REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
JOHN A. LAMBIE, COUNTY ENGINEER	MARK	DATE	DESCRIPTION	PROJECT NO 693
RECOMMENDED BY: Division Engineer Design Section				GUNN AVENUE (SUPPLEMENTAL) STA. 1+16.56 TO STA. 15+40 PLAN AND PROFILE
DRAWN BY H. Margis; DESIGNED BY H. Margis	DRAWN by County of L.A.		DESIGNED by County of L.A.	APPROVED BY: Walter J. Wood 12/8/65, CHIEF ENGINEER
TRACED BY M. Nash; SUBMITTED BY K. Kuemmel	TRACED by County of L.A.			SCALE: AS SHOWN; DATE: DEC. 65; NO. 275-693-D23; SHEET 3 OF 5
CHECKED BY P. Gardner; DATE 8-10-65	CHECKED by County of L.A.; SUBMITTED BY C.W.H.			
	RECOMMENDED BY: Section Engineer			

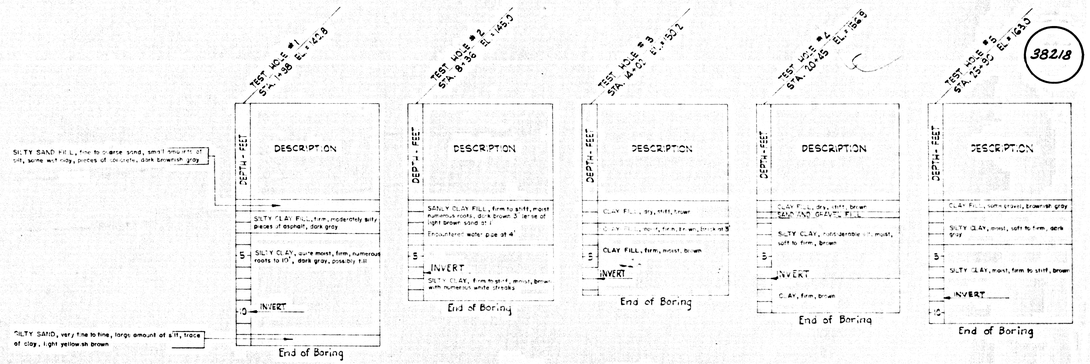


1958 STORM DRAIN BOND ISSUE

P.C. 7646

PREPARED BY	REVISIONS			LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
JOHN A. LAMBIE COUNTY ENGINEER	MARK	DATE	DESCRIPTION	PROJECT NO. 693 GUNN AVENUE (SUPPLEMENTAL) STA. 15+40 TO STA. 26+48 PLAN AND PROFILE
RECOMMENDED BY [signature] CONSTRUCTION AND STORM DRAIN ENGINEER				
DRAWN BY H. Hargis DESIGNED BY H. Hargis TRACED BY M. Nishi SUBMITTED BY K. Kvammer CHECKED BY R. Gardner DATE 8-10-65	DRAWN BY County of L.A. DESIGNED BY County of L.A. TRACED BY County of L.A. CHECKED BY County of L.A. SUBMITTED BY C.W.H. RECOMMENDED BY [signature] DIVISION ENGINEER (DESIGN)			APPROVED BY [signature] 12-7-65 CHIEF ENGINEER SCALE: AS SHOWN · DATE: DEC. 65 · NO. 275-693-D2.4 · SHEET 4 OF 5

38218



LOG of BORINGS

VERTICAL SCALE: 1" = 5'

Notes:
1. Ground water was not encountered in any of the borings.
2. The soil classifications shown are in accordance with the Unified Soil Classification System.

1958 STORM DRAIN BOND ISSUE P.C. 7646

PREPARED BY	JOHN A. LAMBIE, COUNTY ENGINEER
RECOMMENDED BY	[illegible], ENGINEER OF DESIGN
DRAWN BY S.A. Barwick	DESIGNED BY S.A. Barwick
TRACED BY T. Abe	SUBMITTED BY K. Krommen
CHECKED BY B.L. Wheeler	DATE 8-10-65

REVISIONS

MARK	DATE	DESCRIPTION

DRAWN BY County of L.A. — DESIGNED BY County of L.A.
TRACED BY County of L.A.
CHECKED BY [illegible] — SUBMITTED BY C.A.H.
RECOMMENDED BY [illegible]

LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

PROJECT NO. 693

GUNN AVENUE
(SUPPLEMENTAL)
LOG OF BORINGS

APPROVED BY [illegible] 12/13/65
CHIEF ENGINEER

SCALE	DATE	NO. 275-693-52.5
AS SHOWN	DEC 65	SHEET 5 OF 5