

Final Initial Study/Mitigated Negative Declaration

San Bernardino County Flood Control District

**Grove Basin Outlet Storm Drain Improvement Project
Between East Riverside Drive and Edison Avenue
City of Ontario**

Lead Agency



**San Bernardino County Flood Control
District**

825 E. Third Street
San Bernardino, CA 92415

Technical assistance provided by:

SUMMITWEST
ENVIRONMENTAL, INC.

SummitWest Environmental, Inc.
PO Box 1499
Bend, Oregon 97703

State Clearinghouse Number: 2025060512

September 2025

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FINAL MITIGATION MEASURES

The following mitigation measures were identified to reduce impacts to less than significant one mitigation measure was added to address a Public Comment:

ADDRESSING PUBLIC COMMENT:

PC-1 Access During Construction:

The Contractor will be required to coordinate with local residents and businesses to ensure ingress and egress is maintained for adjacent properties. This includes access for personal and business-related activities, as well as services such as mail, deliveries, and trash collection.

Public Notification and Engagement:

The Contractor will prepare and distribute a "Notice to Residents" in both English and Spanish to all properties adjacent to or directly impacted by the project. Notices will be placed at least seven (7) days prior to the start of construction work.

BIOLOGICAL RESOURCES:

- BIO-1** To avoid potential impacts to nesting birds (common and special status) during the nesting season (February 1- September 15), a qualified Avian Biologist shall conduct pre-construction Nesting Bird Surveys prior to commencement of any project activities. If no active nests are found, no further action will be required. If an active nest is found, the qualified biologist will identify and flag a no-disturbance buffer around the nest which will be based upon the species, level of disturbance, and expected fledge date. The nests and no-disturbance buffers shall be checked weekly by a qualified biological monitor until project activities end or until young have fledged the nest or the nest is deemed inactive.

CULTURAL RESOURCES:

CR-1 Inadvertent Discovery Protocol

Prior to the start of construction, a qualified archaeologist will be retained to provide Worker Environmental Awareness Program (WEAP) training to all contractors conducting Project-related ground disturbing activities. The WEAP training will include information about the types of archaeological resources that could be encountered, the laws and regulations regarding archaeological resources, and the protocols to follow in the event of an inadvertent discovery.

Should archaeological material be encountered during Project-related ground disturbance all work in the vicinity of the discovery must be halted. A 50-foot buffer around the discovery will be demarcated and work may resume elsewhere in the Project area outside of that buffer. The District will be notified immediately and a qualified archaeologist will be contacted to assess the discovery and evaluate whether it constitutes a historical resource or a unique archaeological resource as defined by CEQA. The qualified archaeologist will provide guidance on the treatment of the

discovery and how work may proceed. Should the discovery be precontact in age, consultation with the San Manuel Band of Mission Indians and the Soboba Band of Luiseño Indians shall occur.

CR-2 Inadvertent discoveries of human remains:

Should human remains and associated funerary objects be encountered during Project-related ground disturbance all work within 50-feet of the discovery should be halted and redirected elsewhere in the Project area outside of discovery. The San Bernardino County Coroner shall be contacted immediately to determine the origin and disposition of the remains pursuant to Public Resources Code Section 5097.98. A qualified archaeologist shall also be contacted to assess the discovery and coordinate consultation with the appropriate agencies. If the remains are determined to be precontact, the coroner shall contact the NAHC within 24 hours of the determination in accordance with section 5097.98 of the California Public Resources Code, and section 7050.5 of the California Health and Safety Code, as applicable. The NAHC will identify a Most Likely Descendent (MLD) who will inspect the discovery and provide recommendations for the proper treatment of the remains and any associated funerary objects.

TRIBAL CULTURAL RESOURCES:

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SECTION 1 – INTRODUCTION

BACKGROUND

The San Bernardino County Flood Control District (District) Department of Public Works (DPW) proposes to address flooding issues associated with the existing Grove Basin outlet. Stormwater is currently released from Grove Basin into reinforced concrete pipes on both sides of Grove Avenue from approximately the intersection of Chino Avenue to Edison Avenue. The carrying capacity of the existing concrete pipes is currently undersized for the levels of flow release being experienced. This situation currently leads to flooding downstream during storm events, impacting low-density residential and agricultural areas.

The region surrounding Grove Avenue has experienced significant urban development in recent years, transitioning from predominantly agricultural and low-density residential land uses to medium and high-density residential developments. With these changes, the volume of stormwater runoff has increased, exacerbating existing flooding issues. Addressing these challenges is critical to protecting property, infrastructure, and public safety in the area.

SECTION 2 – REGULATORY FRAMEWORK

The San Bernardino County Flood Control District has identified that the Grove Basin Outlet Storm Drain Improvement Project meets the California Environmental Quality Act (CEQA) Guidelines Section 15378 definition of a Project. CEQA Guidelines Section 15378 defines a Project as the following:

"Project" means the whole of an action, which has a potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment.

In accordance with the California Environmental Quality Act (CEQA) (Public Resources Code Sections 21000-21177), this Initial Study has been prepared to determine potentially significant impacts upon the environment resulting from the construction, operation and maintenance of the Grove Basin Outlet Storm Drain Improvement Project (hereinafter referred to as the "Project" or "proposed Project"). In accordance with Section 15063 of the State *CEQA Guidelines*, this Initial Study is a preliminary analysis prepared by the San Bernardino County Flood Control District as Lead Agency to inform the Lead Agency decision makers, other affected agencies, and the public of potential environmental impacts associated with the implementation of the proposed Project.

Initial Study Organization

This Initial Study is organized as follows:

Introduction: Provides the regulatory context for the review along with a brief summary of the CEQA process.

Project Information: Provides fundamental Project information, such as the Project description, Project location and figures.

Lead Agency Determination: Identifies environmental factors potentially affected by the Project and identifies the Lead Agency's determination based on the initial evaluation.

Mitigated Negative Declaration: Prepared when a determination can be made that no significant environmental effects will occur because revisions to the Project have been made or mitigation measures will be implemented which will reduce all potentially significant impacts to less than significant levels.

Evaluating Environmental Impacts: Provides the parameters the District uses when determining level of impact.

CEQA Checklist: Provides an environmental checklist and accompanying analysis for responding to checklist questions.

References: Include a list of references and various resources utilized in preparing the analysis.

SECTION 3 – DETAILED PROJECT DESCRIPTION

The District Proposed Project includes the installation of a new 84-inch reinforced concrete pipe (RCP) and 96-inch RCP from Edison Avenue to Chino Avenue. Additionally, the existing 66-inch RCP will be replaced with a 72-inch RCP from Chino Avenue to just south of the Grove Basin. Furthermore, the project would replace manholes, junction structures, involve reconstruction of the roadway and associated driveways, and remove existing outlet structures to enhance water flow management. The pipeline disturbance area has a width of 14 feet and a total pipeline length of 6,583 feet from Edison Avenue to East Riverside Drive. The project also involves an excavation depth of up to a maximum of 27 feet.

The Project connects to an existing storm drain at the intersection of Edison Avenue and Grove Avenue. This storm drain ultimately discharges into the Prado Basin and subsequently the lower Santa Ana River. Night work is not proposed for this project. The estimated construction duration is 160 working days. Construction activities will take place primarily along Grove Avenue, with site access facilitated from this main roadway. Lane closures along Grove Avenue may be necessary, including potential traffic detours at intersections to maintain safety and minimize disruptions during construction operations.

Project Location

The project location is an approximately 1.25-miles stretch along Grove Avenue between East Riverside Drive (Grove Basin) and the intersection of Edison Avenue, City of Ontario, California, 91761.

Figure 1
(Regional Location Map)

Figure 1

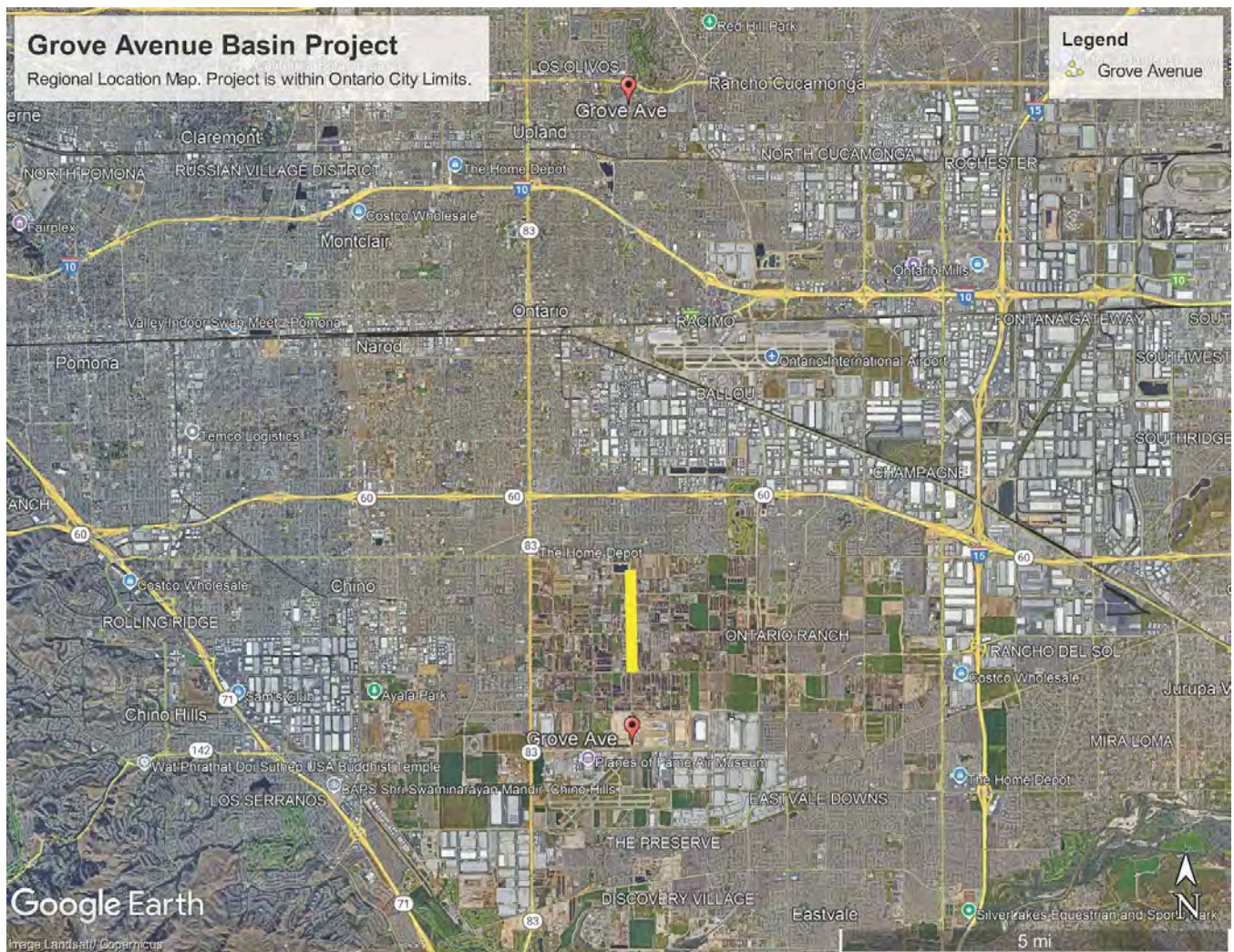


Figure 2
(Project Location Map)

Figure 2

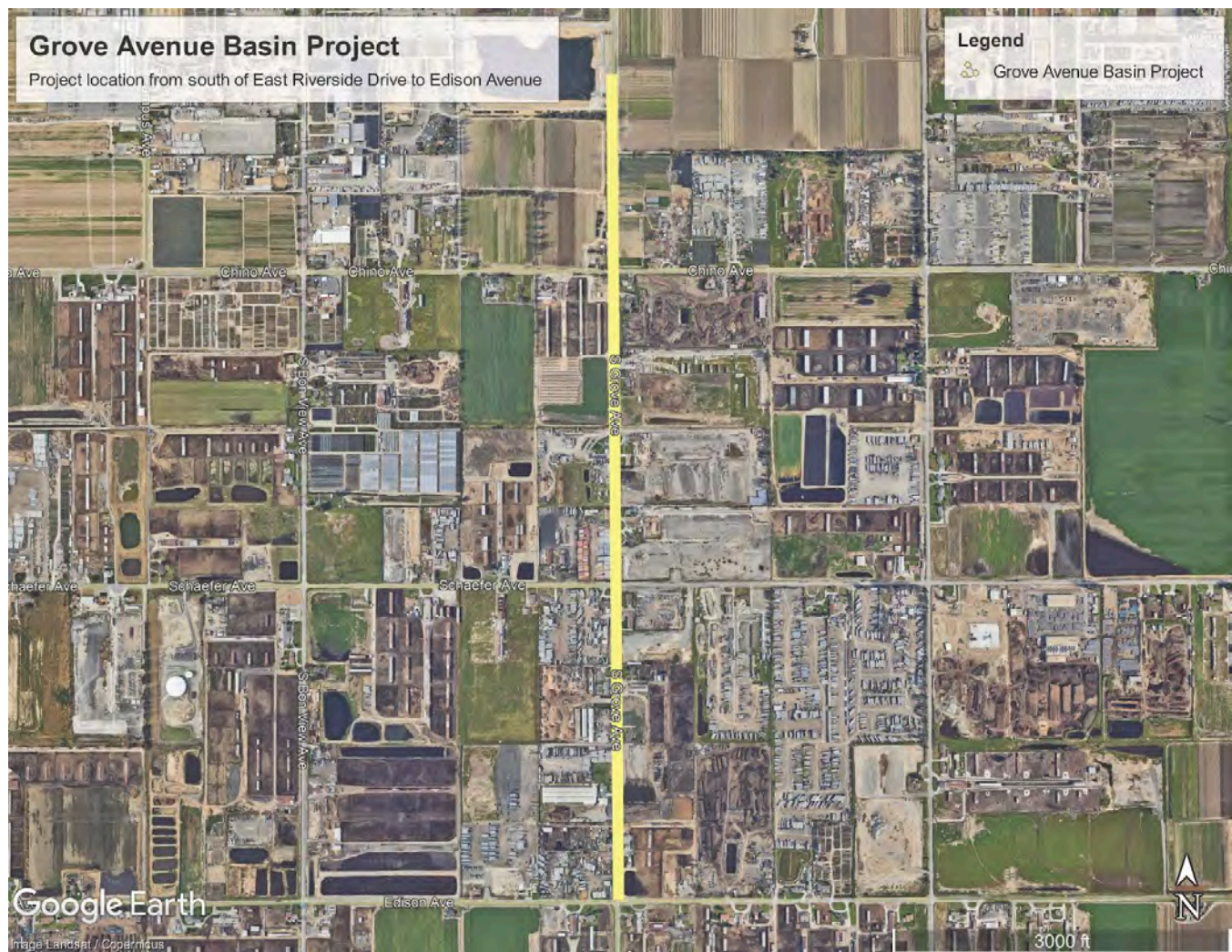
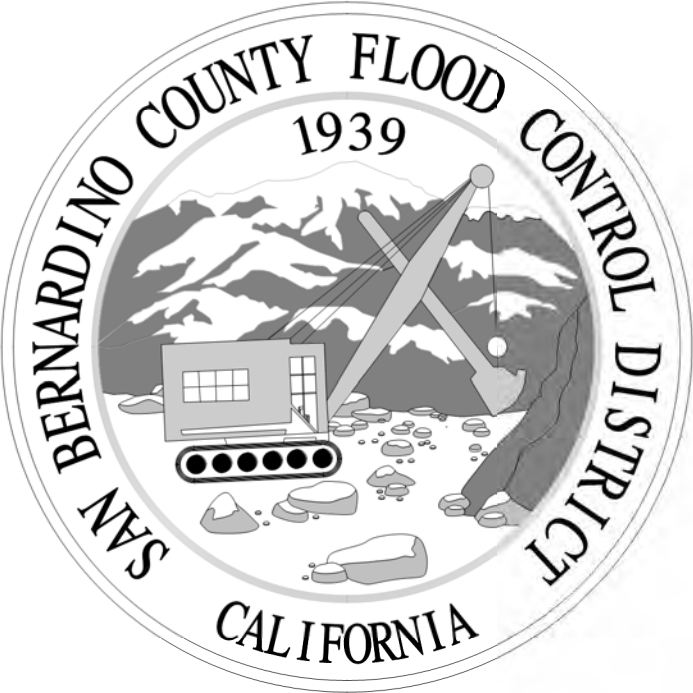


Figure 3
(Site Plan)

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT

PLANS FOR CONSTRUCTION OF GROVE BASIN OUTLET STORM DRAIN

IN THE CITY OF ONTARIO



WORK ORDER NO. F02650

SYSTEM NO. 1-901-6A



PROJECT LOCATION MAP
NOT TO SCALE

GENERAL NOTES

1. SEE "SPECIAL PROVISIONS" FOR ADDITIONAL CONSTRUCTION INFORMATION & DETAILS.
2. IN GENERAL, ALL MATERIALS & CONSTRUCTION METHODS SHALL CONFORM TO THE 2023 EDITION STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS" UNLESS OTHERWISE SPECIFIED.
3. THESE PLANS DEPICT ALL ACTIVE UTILITIES KNOWN BY THE DISTRICT TO EXIST AT THIS TIME. LOCATIONS ARE APPROXIMATE & SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO ANY EXCAVATION. OPERATORS OF OVERHEAD UTILITIES SHALL BE NOTIFIED PRIOR TO START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL CALL "UNDERGROUND SERVICE ALERT", DIAL 811 AT LEAST TWO WORKING DAYS IN ADVANCE OF ANY WORK WITHIN THE PROJECT AREA TO ALLOW UTILITY OPERATORS TO CHECK & MARK LOCATIONS OF EXISTING FACILITIES AS REQUIRED BY GOV. CODE SECTION 4216
5. THE CONTRACTOR(S) SHALL COORDINATE CONSTRUCTION WITH ALL UTILITIES AND OTHER IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO GAS, TELEPHONE, ELECTRICAL, DOMESTIC WATER, STORM DRAINAGE, FLOOD CONTROL SYSTEMS, ETC.
6. CONTRACTOR SHALL PROTECT ALL UTILITIES, POLES, SIGNS, AND EXISTING IMPROVEMENTS IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS NOTED ON THE PLANS.
7. CONTRACTOR SHALL PROTECT IN PLACE ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY THIS PROJECT.
8. S.B.C.F.C.D. R/W SHALL BE STAKED BY COUNTY SURVEYORS PRIOR TO COMMENCEMENT OF WORK.

REFERENCES:

BASIS OF BEARING:

CCS83 ZONE 5, NAD83(2011), EPOCH 2010.0

BENCH MARK:

FD 2.5" BRASS ON TC STAMPED 'CITY OF ONTARIO
BM V22-1' AT NW CORNER OF RIVERSIDE AVE AND
GROVE AVENUE PER CSFB 4006/1622. NAVD-88
ELEV = 776.846'

SAN BERNARDINO COUNTY FLOOD
CONTROL DISTRICT

APPROVED BY:

NOEL CASTILLO, CHIEF FLOOD CONTROL ENGINEER, R.C.E. C78044

DATE

CITY OF ONTARIO

RECOMMENDED BY: BRYAN LIRLEY, P.E., ASSISTANT CITY ENGINEER DATE

ACCEPTED BY: KHOI DO, P.E., CITY ENGINEER DATE

65% SUBMITTAL
SHEET 01 OF 19

SHEET NO. DRAWING NO. DESCRIPTION

1	G-1	TITLE SHEET, LOCATION MAP
2	G-2	DRAWING INDEX, LEGEND, ABBREVIATIONS, AND STANDARD PLANS
3	G-3	GENERAL NOTES, CONSTRUCTION NOTES
4	G-4	SURVEY CONTROL MAP
5	D-1	STORM DRAIN DEMOLITION PLAN
6	P-1	PLAN AND PROFILE STA. 10+00 TO 18+00
7	P-2	PLAN AND PROFILE STA. 18+00 TO 28+00
8	P-3	PLAN AND PROFILE STA. 28+00 TO 38+00
9	P-4	PLAN AND PROFILE STA. 38+00 TO 48+00
10	P-5	PLAN AND PROFILE STA. 48+00 TO 58+00
11	P-6	PLAN AND PROFILE STA. 58+00 TO 68+00
12	P-7	PLAN AND PROFILE STA. 68+00 TO 77+00
13	R-1	TRENCH REPAIR PLAN STA 10+00 TO 40+00
14	R-2	TRENCH REPAIR PLAN STA 40+00 TO 80+00
15	SNST-1	SIGNING AND STRIPING PLAN STA. 8+50 TO 39+00
16	SNST-2	SIGNING AND STRIPING PLAN STA. 39+00 TO 69+00
17	SNST-3	SIGNING AND STRIPING PLAN STA. 69+00 TO 85+00
18	XS-1	TYPICAL CROSS-SECTION I
19	XS-2	TYPICAL CROSS-SECTION II

ABBREVIATIONS

APPROX	APPROXIMATE
AQMD	AIR QUALITY MANAGEMENT DISTRICT
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
BC	BEGIN CURVE/BEGIN CURB
BFP	BACKFLOW PREVENTER
BT	BEGIN TAPER
BVC	BEGIN VERTICAL CURVE
BX	TOP OF CURB AT BOTTOM OF TRANSITION TO DEPRESSION
CAN	CHANNEL
CIP	CAST IN PLACE
CONC	CONCRETE
CJ	CONSTRUCTION JOINT
CL	CONTROL LINE
CLR	CLEAR
CLSM	CONTROLLED LOW-STRENGTH MATERIAL
C/L	CENTER LINE
DDG	DOUBLE DRIVE GATE
DIA	DIAMETER
DRWY	DRIVEWAY
DWG	DRAWING
E	EAST, EASTING
EC	END CURVE/END CURB
EF	EACH FACE
EL, ELEV	ELEVATION
E'LY	EASTERLY
ET	EDGE OF PAVEMENT
ET	END TAPER
ETW	EDGE OF TRAVEL WAY
EVC	END VERTICAL CURVE
EX, EXIST, (E)	EXISTING
(F)	FUTURE
FD	FOUND
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FS	FINISHED SURFACE
GA	GAUGE
GALV	GALVANIZED
GR	GRADE
GB	GRADE BREAK
H OR HT	HEIGHT
HORZ.	HORIZONTAL
IEUA	INLAND EMPIRE UTILITY AGENCY
INT	INTERSECTION
INV	INVERT
L	LENGTH
LACDPW	LOS COUNTY DEPARTMENT OF PUBLIC WORKS
LAT	LATERAL
L.F.	LINEAR FOOT
LONG	LONGITUDINAL
LP	LOW POINT
LT	LEFT OF (OFFSET FROM BASE LINE)
MAX	MAXIMUM
MIN	MINIMUM
MP	MILE POST
NRMCA	NATIONAL READY MIX CONCRETE ASSOCIATION
N	NORTH, NORTHING
(N)	NEW
NE	NORTHEAST
NW	NORTHWEST
OC	ON CENTER
OG	ORIGINAL GRADE
OMUC	ONTARIO MUNICIPAL UTILITIES COMPANY
(P)	PROPOSED
PPVC	PERFORATED PVC PIPE
PI	POINT OF INTERSECT
PRC	POINT OF REVERSE CURVE
PROP	PROPOSED
PRVC	POINT OF REVERSE VERTICAL CURVE
PIP	PROTECT IN PLACE
R	RADIUS
REINF.	REINFORCEMENT
RC	REINFORCED CONCRETE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RT	RIGHT OF (OFFSET FROM BASE LINE)
ROW, R/W	RIGHT OF WAY
RSP	ROCK SLOPE PROTECTION
S	SLOPE, SOUTH
SBCFCD	SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT
SBCPW	SAN BERNARDINO COUNTY PUBLIC WORKS
SBCRD	SAN BERNARDINO COUNTY ROAD DEPARTMENT
SBCTD	SAN BERNARDINO COUNTY TRANSPORTATION DEPARTMENT
SCE	SOUTHERN CALIFORNIA EDISON
SCG	SOUTHERN CALIFORNIA GAS COMPANY
SD	STORM DRAIN
SE	SOUTHEAST
SH	SHEET
SIM	SIMILAR
SL	STATION LINE
SPEC	SPECIFICATION
SP	STANDARD PLAN (CALTRANS, 2018)
STA	STATION
SW	SOUTHWEST
T	TANGENT
TC, TOC	TOP OF CURB
TCE	TEMPORARY CONSTRUCTION EASEMENT
TP	TEST PIT
TRANS	TRANSITION
TW	TOP OF WALL
TY	TYPICAL
TX	TOP OF CURB AT TOP OF TRANSITION TO DEPRESSION
T&B	TOP AND BOTTOM
UNO	UNLESS NOTED OTHERWISE
UPRR	UNION PACIFIC RAIL ROAD
US	UPSTREAM
VAR	VARIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VPI, PVI	VERTICAL POINT OF INTERSECTION
W	WIDTH, WEST
W/	WITH
WLY	WESTERLY
WS	WATER SURFACE
WW	WEST WALL
YR	YEAR



STANDARD PLANS

STD. NO.	DESCRIPTION
CALTRANS	
A20A	PAVEMENT MARKERS AND TRAFFIC LINES-TYPICAL DETAILS
A20B	PAVEMENT MARKERS AND TRAFFIC LINES-TYPICAL DETAILS
A20D	PAVEMENT MARKERS AND TRAFFIC LINES-TYPICAL DETAILS
A24C	PAVEMENT MARKINGS-SYMBOLS AND NUMERALS
A24D	PAVEMENT MARKINGS-WORDS
A24E	PAVEMENT MARKINGS-WORDS, LIMIT AND YIELD LINES
A24G	PAVEMENT MARKINGS YIELD LINES, LIMIT LINES AND WRONG WAY DETAILS
S.P.P.W.C.	
330-2	MANHOLE SHAFT SAFETY LEDGE
CITY OF ONTARIO	
1011	MINIMUM PAVEMENT STRUCTURAL SECTIONS
1214	CITY OF ONTARIO STANDARD DRAWING-ASPHALT CONCRETE DIKE
1306	EXCAVATION/BACKFILL & PAVING
3008	MANHOLE NO. 1
3009	MANHOLE NO. 1 NOTES
LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS	
3080-2	PIPE BEDDING IN TRENCHES

RECORD DRAWINGS

M-1515	STORM DRAIN IMPROVEMENT PLAN GROVE AVENUE FROM EUCALYPTUS AVE TO EDISON AVE IN THE CITY OF ONTARIO
F01569	SBCFCD GROVE BASIN, GROVE BASIN DRAIN, AND RIVERSIDE DR. STORM DRAINS

#	CONSTRUCTION NOTES
1	REMOVE EXISTING BULKHEAD, INSTALL MANHOLE AND CONNECT TO EXISTING 96" R.C.P.
2	INSTALL 96" DIA R.C.P. PER PLAN AND PROFILE
3	INSTALL 84" DIA. R.C.P. PER PLAN AND PROFILE
4	CONSTRUCT AC DIKE PER CITY OF ONTARIO STANDARD 1214 MODIFIED TO MATCH EXISTING (1" HEIGHT +/-)
5	CONSTRUCT 7" AC (TYPE A) OVER 8" AB (CLASS 2), OVER 1.0' 95% COMPACTED NATIVE
6	CONSTRUCT MANHOLE PER CITY OF ONTARIO STD. DWG. NO. 3008 & 3009
7	REMOVE EXISTING 66" R.C.P.
8	REMOVE EXISTING JUNCTION STRUCTURE AND MANHOLE SHAFT
9	REMOVE EXISTING CATCH BASIN AND OUTLET STRUCTURE
10	REMOVE EXISTING MANHOLE
11	REMOVE EXISTING 42" R.C.P.
12	REMOVE EXISTING 24" R.C.P.
13	REMOVE EXISTING HEADWALL
14	REMOVE EXISTING DIKE
15	INSTALL 72" DIA. R.C.P. PER PLAN AND PROFILE
16	PAINT THERMOPLASTIC LIMIT LINE PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24G
17	PAINT THERMOPLASTIC "STOP" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D
18	PAINT THERMOPLASTIC "A-HEAD" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D
19	PAINT THERMOPLASTIC DASHED YELLOW (SPRAYABLE) TRAFFIC STRIPE DETAIL 1 PER CALTRANS STANDARD PLAN A20A
20	PAINT THERMOPLASTIC "EDGE LINE" (SPRAYABLE) TRAFFIC STRIPE DETAIL 27B PER CALTRANS STANDARD PLAN A20B
21	CONSTRUCT MANHOLE SAFTEY LEDGE PER SPPWC STD. DWG. 330-2
22	2" GRIND AND OVERLAY PER CITY OF ONTARIO STANDARD DWG 1306
23	PAINT SOLID DOUBLE YELLOW CENTERLINE PER CALTRANS DETAIL 21 PER STANDARD DRAWING A20A
24	PAINT THERMOPLASTIC "50" PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24C
25	INSTALL ROAD/SIDE SIGN
26	CONSTRUCT 9" PCC OVER 8" AB (CLASS 2) OVER 1.0' 95% COMPACTIVE NATIVE

LEGEND OF MAP SYMBOLS

— — — — —	CENTERLINE
— - - - -	RIGHT OF WAY/CITY LIMITS
— — — — — □ — — — — —	CHAIN LINK FENCE
— — — — —	DIRT ROAD
— T — — — — —	TELEPHONE LINE
— E — — — — —	ELECTRIC LINE
— OH-E — — — — —	ELECTRIC LINE (OVERHEAD)
— G — — — — —	GAS LINE
— S — — — — —	SEWER LINE
— W — — — — —	WATER LINE
— ○ — — — — —	WATER VALVE
— ⚡ — — — — —	FIRE HYDRANT
— □ — — — — —	STREET SIGNS
— ○ — — — — —	POWER POLE
— ⚰ — — — — —	DEADMAN/GUY(S)

65% SUBMITTAL

		REVISIONS			SUBMITTED BY:		SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT		DATE
		MARK	DATE	DESCRIPTION	BY:	RUDY VELASQUEZ, P.E.	DATE	SCALE	APRIL 25
						RECOMMENDED BY:		AS SHOWN	
						LAWRENCE G. WHITE, P.E.	DATE	FILE NO.	1-910-6A
						APPROVED BY:		DRAWING NO.	G-2
						MERVAT MIKHAIL, P.E.	DATE	SHEET NO.	2 OF 19
						PROJ. ENGR.	DESIGNED BY	REV'D BY	DRAWN BY
						FP	FP	RV	FP