

# Appendix F

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Preliminary Hydrology & Hydraulics Study

**PRELIMINARY HYDROLOGY STUDY  
CITY OF EL MONTE  
VESTING TENTATIVE TRACT NO. 83528**

**Project Address:  
3700 Monterey Avenue  
El Monte, CA 91731**

**Prepared For:**

MW Investment Group, LLC  
27702 Crown Valley Parkway, Suite D-4-197  
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Matthew J. Waken  
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**Prepared by:**

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Philip Malcomson, P.E.

**February 2023**

**Revised November 2023**

**Preliminary Hydrology Study  
For  
Vesting Tentative Tract No. 83528**

**ACKNOWLEDGEMENT AND SIGNATURE PAGE**

This Preliminary Hydrology Study was prepared by C&V Consulting, Inc. under the supervision of Philip Malcomson, P.E.

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Philip Malcomson, PE 67819  
C&V Consulting, Inc.

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Date

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## **I. Purpose:**

The purpose of this report is to provide quantitative information to verify the design of the storm drain infrastructure and hydrologic methodology of the proposed project site. The values and statements within the confirm the subject site is designed and planned in accordance with the Los Angeles County Hydrology Manual and the City of El Monte drainage requirements.

## **II. Introduction:**

The proposed project is located at 3700 Monterey Avenue, in the City of El Monte. The site is bounded by an existing railroad to the north, El Monte Paseo to the east, Valley Boulevard to the south and existing Santa Fe Trail Plaza shopping mall to the west.

The proposed development includes the construction of 18 buildings consisting of 87 new 3-story townhomes. The proposed 4.954-acre site will include private drive aisles, private garages, sidewalks, parking, and associated landscaping and open space areas. The proposed site will be accessible via one (1) driveway entrance along Valley Boulevard and from the northeast from Railroad Street.

The site currently consists of 13 vacant parcels, which include landscaping, paved areas, and an unused parking lot. The elevations within the site generally vary from approximately 293.6' to 287.8' with surface runoff flowing in the southerly direction. Drainage at the site generally sheet flows towards the south to the public right-of-way of Valley Boulevard. Monterey Avenue and El Monte Avenue surface drains southerly to the gutter on the north side of Valley Boulevard. Surface flows then continue in the westerly direction until entering a catch basin on Santa Anita and Valley Boulevard. The flows discharge to the Rio Hondo Channel and ultimately to the Los Angeles River. The Los Angeles River discharges into the Pacific Ocean at Queensway Bay/ San Pedro Bay.

The proposed site has been divided into one (1) subarea based on the proposed grading design. The proposed development will include private drive aisles and parking spaces throughout. The proposed drainage will flow through v-gutters in the proposed drive aisles to the curb and gutter of El Monte Ave and will convey flows towards the proposed catch basin located in the parking area near the west entrance along Valley Boulevard. The catch basin will collect and convey flows to the proposed 48" perforated Corrugated Metal Pipe (C.M.P.) Infiltration system to promote subsurface infiltration. The Infiltration System has been designed to retain and infiltrate the required Storm Water Quality Design Volume (SWQDV) for water quality treatment. A portion of the site on Railroad Street will be collected by two (2) catch basins that will enter the storm drain system and will be conveyed along the site to exit towards Valley Boulevard. During larger storm events producing a greater volume than the SWQDV, including the 25-, 50-, and 100-year storm events, stormwater will overflow out of the Retention/ Infiltration system and out of the second proposed catch basin and be conveyed to the public right-of-way via the driveway to Valley Avenue and will follow the historic drainage pattern.

## **III. Methodology:**

The post-developed drainage was analyzed by utilizing the Los Angeles County Hydrology Manual. The subarea was based on historical drainage patterns. Each area was analyzed for acreage, impervious cover, and time of concentration per the LACDPW HydroCalc software.

## IV. Results

### Hydrology Summary

	Subarea	Q10 (cfs)	Q25 (cfs)	Q50 (cfs)	Q100 (cfs)	Tc (min)
<b>Existing Conditions</b>	<b>X1</b>	8.01	11.39	13.16	16.04	7.0
<b>Proposed Conditions</b>	<b>P1</b>	6.14	8.86	11.01	13.56	8.0
<b>% Decrease</b>		<b>-23.3%</b>	<b>-22.2%</b>	<b>-16.3%</b>	<b>-15.5%</b>	<b>--</b>

Refer to Appendix A & B of this report for additional information shown in the LACDPW HydroCalc output data, as well as the pre-developed and post-developed hydrology maps.

#### Catch Basin Sizing

Catch basin Sizing will be analyzed for the 50-year storm event peak flow rates and will be provided during final engineering.

#### Pipe Sizing

Pipe Sizing will be analyzed using WSPG software to verify hydraulic grade line (HGL) based on the 100-year storm event peak flow rates and will be provided during final engineering for proposed onsite conveyance pipe.

#### 100-Year Water Surface Elevations

Water surface elevations for the 100-year storm event peak flow rates will verify that the proposed finish floor elevations are set at least 1' above the water surface elevation and will be calculated and provided during final engineering.

## V. Conclusions:

The results from this preliminary hydrology study demonstrate the following:

- The drainage design for the Project has been designed to meet the County of Los Angeles Flood Control Standards.
- Building pads will be protected and will be above the theoretical 100-year flood elevation.
- The post-development site of 4.57 acres will generate approximately 3,488 ft<sup>3</sup> of water quality volume. The proposed C.M.P. Infiltration System has the capacity of approximately 3,513 ft<sup>3</sup>. Based on the available system surface area, the Infiltration System will infiltrate approximately 4,781 ft<sup>3</sup> over 72 hours. Refer to the separately prepared Preliminary Low Impact Development (LID) Plan for additional information.
- Per the following summary table of total flow rates, the proposed condition produces a smaller stormwater runoff peak flow rate than the existing condition for the 10-, 25-, 50-, and 100-year storm events and will therefore have no hydrologic impact on downstream drainage systems. No detention mitigation will be required for the proposed development.

Refer to Appendix C of this report for additional information and LACDPW HydroCalc output data.

## VI. Design Considerations:

1. The LACDPW HydroCalc Calculator Program was used to determine Tc, peak run-off flow rate, and run-off volumes for each subarea.
2. The property is located in the “El Monte” rainfall region, per Figure 1-H1.20 of the Hydrology Manual. 6.42 inches of rainfall was used for the 50-year storm.
3. The site is in the soil classification “006” per Figure 1-H1.20 of the Hydrology Manual.
4. The site was analyzed for a 10-, 25-, 50-, and 100-year storm events. Copies of the HydroCalc output data can be found in Appendix C of this report. The peak runoff values have also been incorporated into the included hydrology exhibits, which are made a part of this study.
5. The proposed development site was assumed to be approximately 86% based on the LACDPW Hydrology Manual for “Low-Rise Apartments, Condominiums, and Townhouses” land use type.
6. The existing development site is approximately 53% impervious based on the pre-demolished condition in 2019.

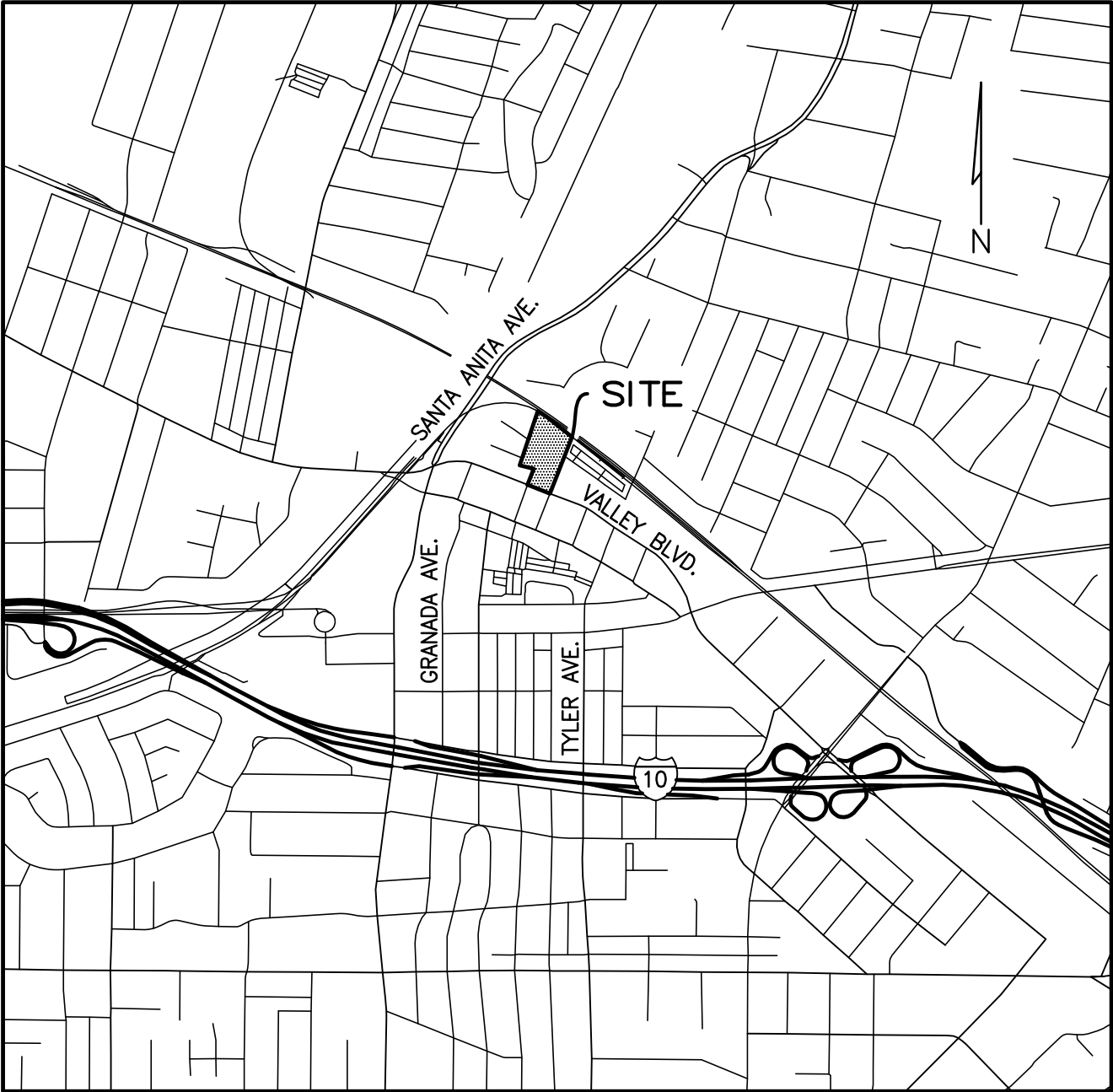
## **VII. References:**

1. Los Angeles County Department of Public Works (LACDPW) Hydrology Manual, January 2006.
2. LACDPW HydroCalc Program was utilized to determine flow rates and time of concentrations.
3. Preliminary Grading Plan for this project by C&V Consulting, Inc. February 2023.
4. Existing reference plans and as-built plans from Los Angeles County Department of Public Works (LACDPW) and the City of El Monte.
5. KING, HORACE WILLIAMS. HANDBOOK OF HYDRAULICS: for the Solution of Hydraulic Problems (Classic Reprint). FORGOTTEN Books, 2015.
6. HydraFlow Express Extension for Autodesk Civil 3D, 2022.



# APPENDIX A

## VICINITY MAP



VICINITY MAP

NTS

# APPENDIX B

## EL MONTE ISOHYETAL MAP

34° 07' 30"

MOUNT WILSON 1-H1.30

-118° 07' 30"

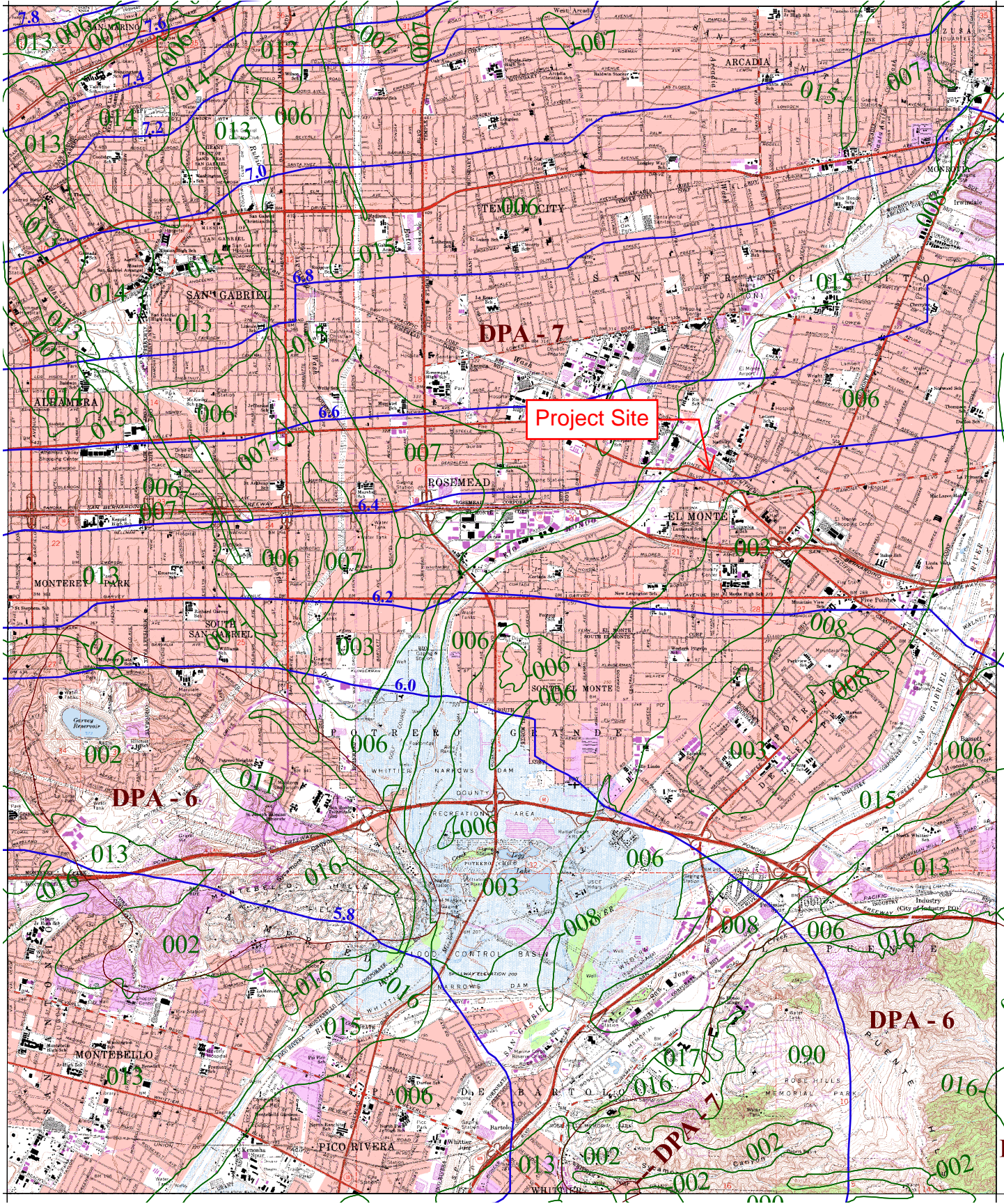
LOS ANGELES 1-H1.19

WHITTIER 1-H1.10

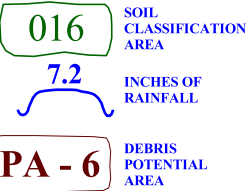
34° 00' 00"

BALDWIN PARK 1-H1.21

-118° 00' 00"



Project Site



1 0 1 2 Miles

25-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.878  
10-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.714

# EL MONTE 50-YEAR 24-HOUR ISOHYET

1-H1.20



# APPENDIX C

## HYDROCALC OUTPUTS

# EXISTING CALCULATIONS

## Peak Flow Hydrologic Analysis

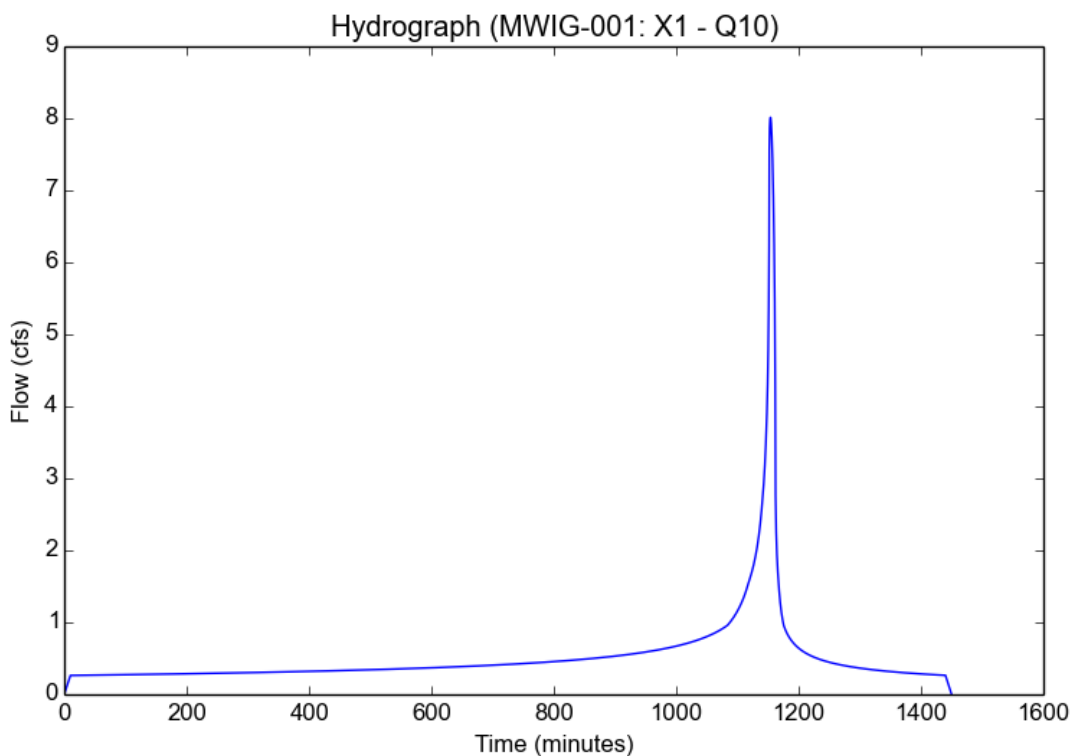
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Version: HydroCalc 1.0.3

### Input Parameters

Project Name	MWIG-001
Subarea ID	X1 - Q10
Area (ac)	4.95
Flow Path Length (ft)	597.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.42
Percent Impervious	0.53
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False

### Output Results

Modeled (10-yr) Rainfall Depth (in)	4.5839
Peak Intensity (in/hr)	1.9745
Undeveloped Runoff Coefficient (Cu)	0.7295
Developed Runoff Coefficient (Cd)	0.8199
Time of Concentration (min)	10.0
Clear Peak Flow Rate (cfs)	8.013
Burned Peak Flow Rate (cfs)	8.013
24-Hr Clear Runoff Volume (ac-ft)	1.0566
24-Hr Clear Runoff Volume (cu-ft)	46025.7907



## Peak Flow Hydrologic Analysis

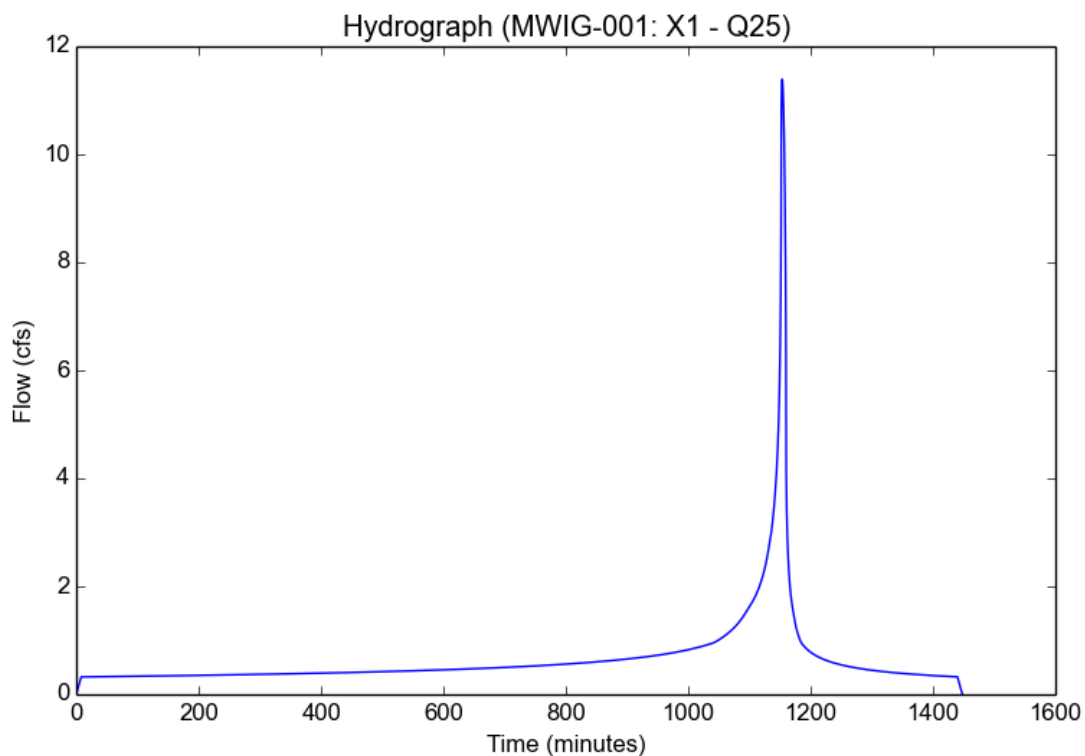
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Version: HydroCalc 1.0.3

### Input Parameters

Project Name	MWIG-001
Subarea ID	X1 - Q25
Area (ac)	4.95
Flow Path Length (ft)	597.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.42
Percent Impervious	0.53
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

### Output Results

Modeled (25-yr) Rainfall Depth (in)	5.6368
Peak Intensity (in/hr)	2.6965
Undeveloped Runoff Coefficient (Cu)	0.801
Developed Runoff Coefficient (Cd)	0.8535
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	11.3915
Burned Peak Flow Rate (cfs)	11.3915
24-Hr Clear Runoff Volume (ac-ft)	1.325
24-Hr Clear Runoff Volume (cu-ft)	57716.7641





## Peak Flow Hydrologic Analysis

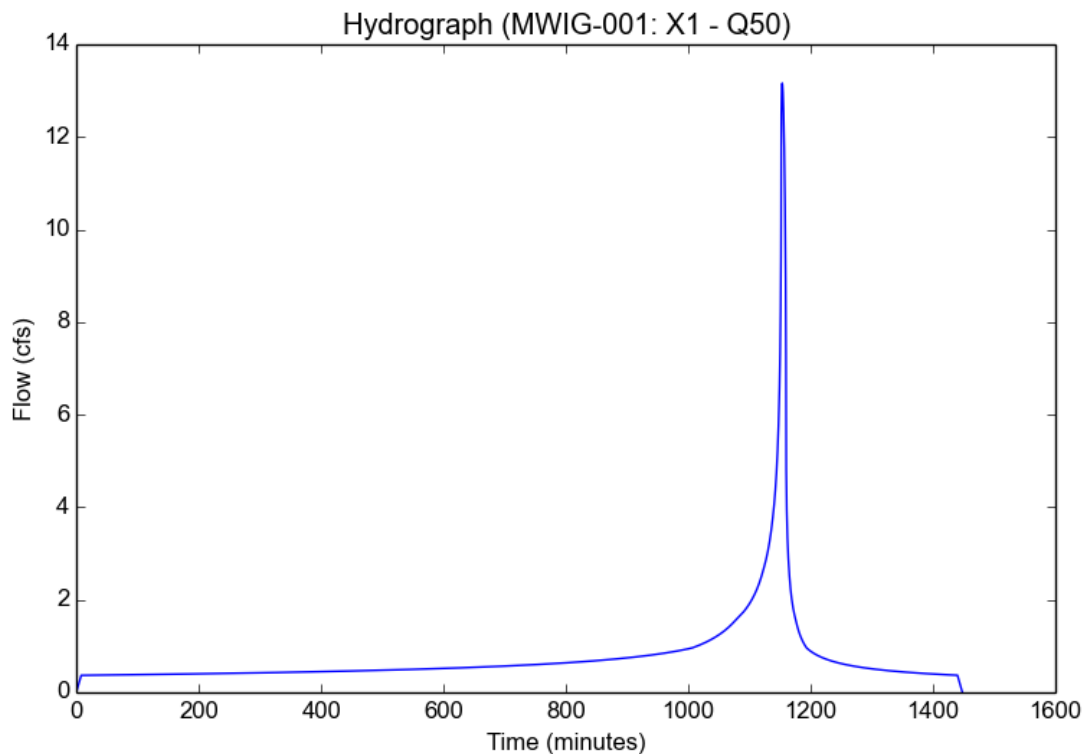
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### Input Parameters

Project Name	MWIG-001
Subarea ID	X1 - Q50
Area (ac)	4.95
Flow Path Length (ft)	597.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.42
Percent Impervious	0.53
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

### Output Results

Modeled (50-yr) Rainfall Depth (in)	6.42
Peak Intensity (in/hr)	3.0712
Undeveloped Runoff Coefficient (Cu)	0.8273
Developed Runoff Coefficient (Cd)	0.8658
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	13.1624
Burned Peak Flow Rate (cfs)	13.1624
24-Hr Clear Runoff Volume (ac-ft)	1.5308
24-Hr Clear Runoff Volume (cu-ft)	66680.9031



## Peak Flow Hydrologic Analysis

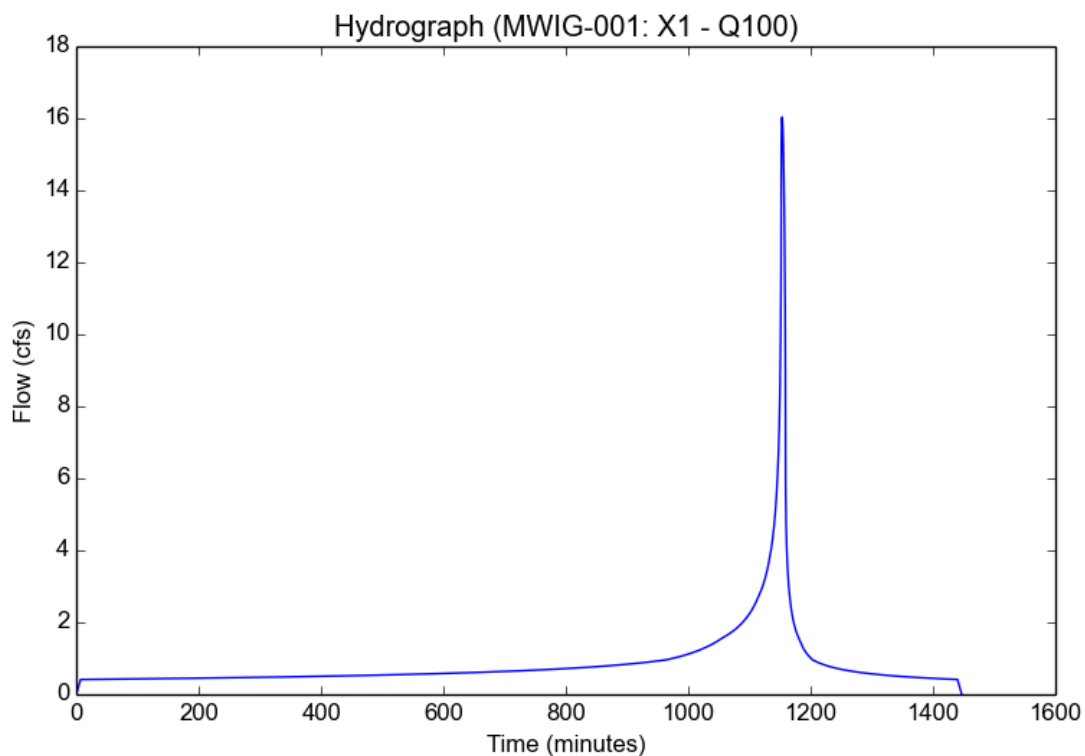
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### Input Parameters

Project Name	MWIG-001
Subarea ID	X1 - Q100
Area (ac)	4.95
Flow Path Length (ft)	597.0
Flow Path Slope (vft/hft)	0.009
50-yr Rainfall Depth (in)	6.42
Percent Impervious	0.53
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

### Output Results

Modeled (100-yr) Rainfall Depth (in)	7.2032
Peak Intensity (in/hr)	3.669
Undeveloped Runoff Coefficient (Cu)	0.8638
Developed Runoff Coefficient (Cd)	0.883
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	16.0369
Burned Peak Flow Rate (cfs)	16.0369
24-Hr Clear Runoff Volume (ac-ft)	1.7427
24-Hr Clear Runoff Volume (cu-ft)	75913.2476



# PROPOSED CALCULATIONS

## Peak Flow Hydrologic Analysis

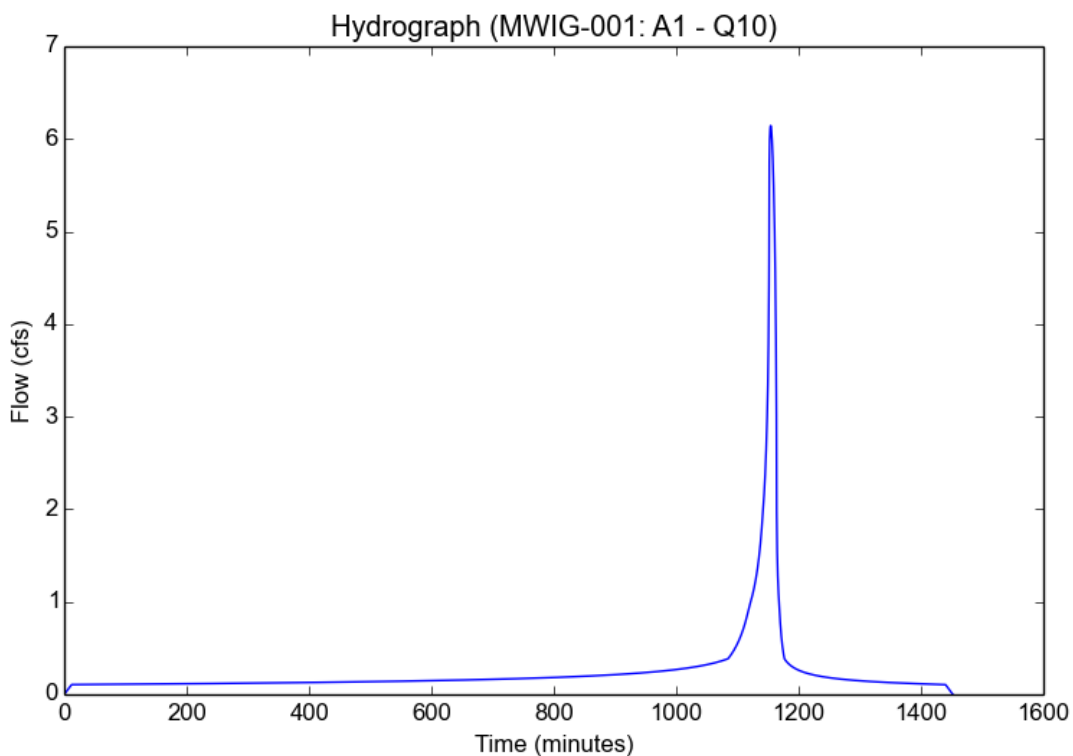
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### Input Parameters

Project Name	MWIG-001
Subarea ID	A1 - Q10
Area (ac)	4.57
Flow Path Length (ft)	618.0
Flow Path Slope (vft/hft)	0.006
50-yr Rainfall Depth (in)	6.42
Percent Impervious	0.16
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False

### Output Results

Modeled (10-yr) Rainfall Depth (in)	4.5839
Peak Intensity (in/hr)	1.8123
Undeveloped Runoff Coefficient (Cu)	0.7117
Developed Runoff Coefficient (Cd)	0.7418
Time of Concentration (min)	12.0
Clear Peak Flow Rate (cfs)	6.144
Burned Peak Flow Rate (cfs)	6.144
24-Hr Clear Runoff Volume (ac-ft)	0.5164
24-Hr Clear Runoff Volume (cu-ft)	22495.4673



## Peak Flow Hydrologic Analysis

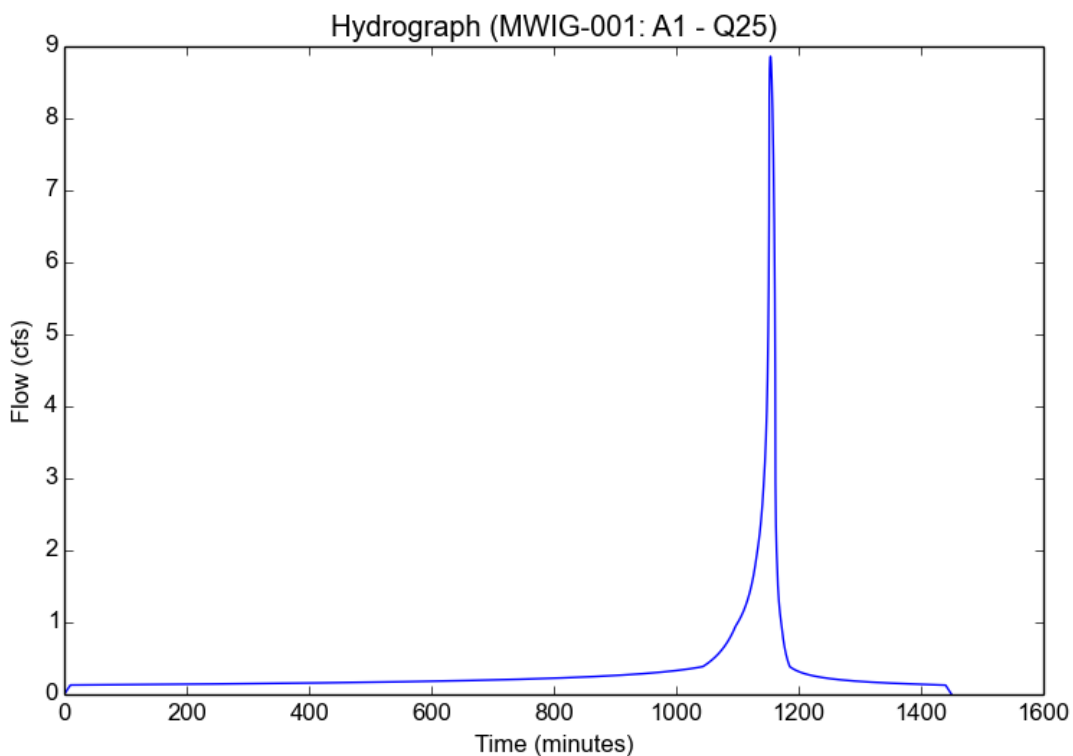
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### Input Parameters

Project Name	MWIG-001
Subarea ID	A1 - Q25
Area (ac)	4.57
Flow Path Length (ft)	618.0
Flow Path Slope (vft/hft)	0.006
50-yr Rainfall Depth (in)	6.42
Percent Impervious	0.16
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

### Output Results

Modeled (25-yr) Rainfall Depth (in)	5.6368
Peak Intensity (in/hr)	2.428
Undeveloped Runoff Coefficient (Cu)	0.7793
Developed Runoff Coefficient (Cd)	0.7986
Time of Concentration (min)	10.0
Clear Peak Flow Rate (cfs)	8.8611
Burned Peak Flow Rate (cfs)	8.8611
24-Hr Clear Runoff Volume (ac-ft)	0.677
24-Hr Clear Runoff Volume (cu-ft)	29489.147



## Peak Flow Hydrologic Analysis

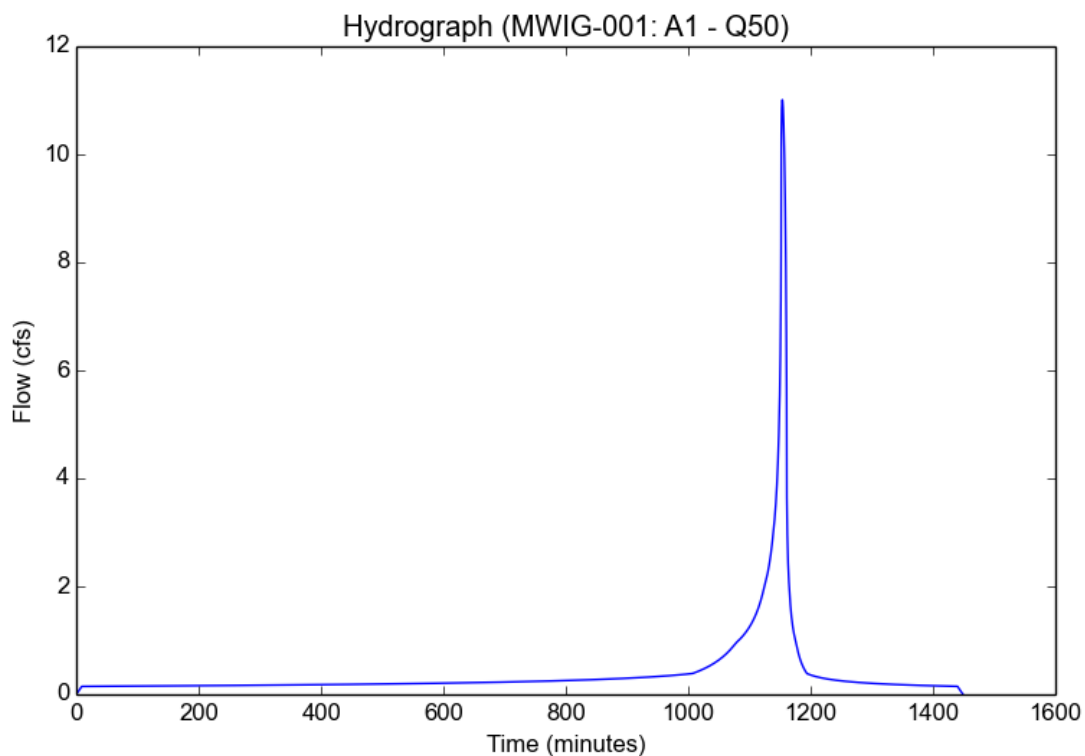
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Version: HydroCalc 1.0.3

### Input Parameters

Project Name	MWIG-001
Subarea ID	A1 - Q50
Area (ac)	4.57
Flow Path Length (ft)	618.0
Flow Path Slope (vft/hft)	0.006
50-yr Rainfall Depth (in)	6.42
Percent Impervious	0.16
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

### Output Results

Modeled (50-yr) Rainfall Depth (in)	6.42
Peak Intensity (in/hr)	2.9058
Undeveloped Runoff Coefficient (Cu)	0.8157
Developed Runoff Coefficient (Cd)	0.8292
Time of Concentration (min)	9.0
Clear Peak Flow Rate (cfs)	11.0106
Burned Peak Flow Rate (cfs)	11.0106
24-Hr Clear Runoff Volume (ac-ft)	0.8074
24-Hr Clear Runoff Volume (cu-ft)	35170.5087



## Peak Flow Hydrologic Analysis

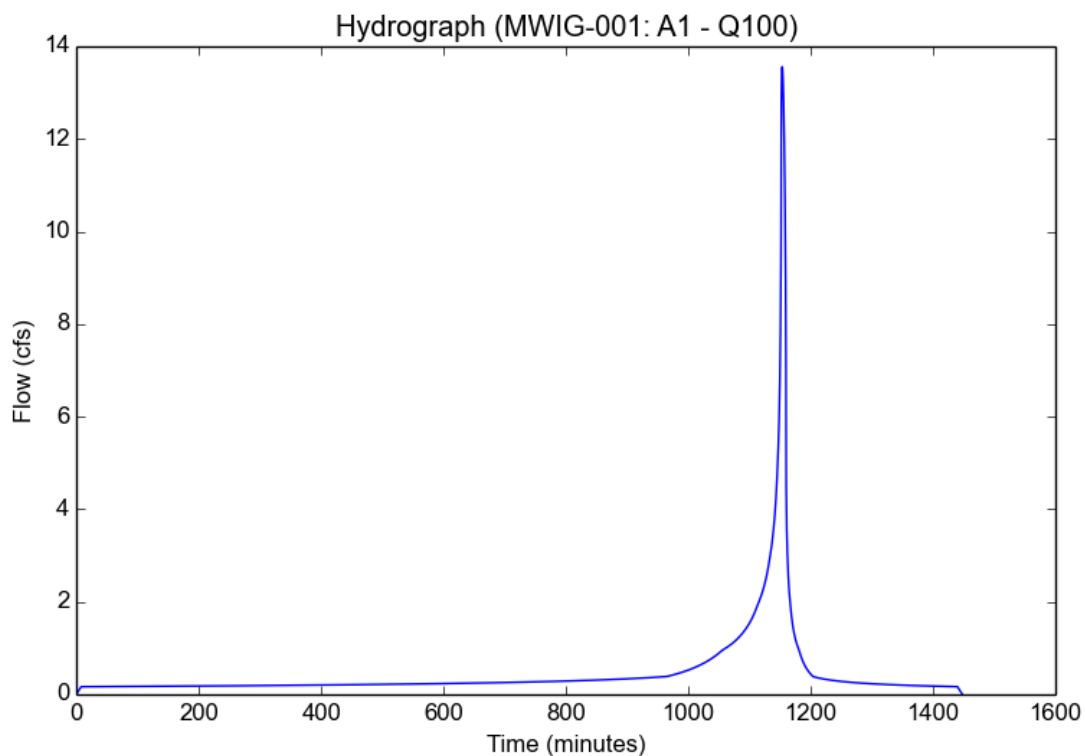
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### Input Parameters

Project Name	MWIG-001
Subarea ID	A1 - Q100
Area (ac)	4.57
Flow Path Length (ft)	618.0
Flow Path Slope (vft/hft)	0.006
50-yr Rainfall Depth (in)	6.42
Percent Impervious	0.16
Soil Type	6
Design Storm Frequency	100-yr
Fire Factor	0
LID	False

### Output Results

Modeled (100-yr) Rainfall Depth (in)	7.2032
Peak Intensity (in/hr)	3.4458
Undeveloped Runoff Coefficient (Cu)	0.8536
Developed Runoff Coefficient (Cd)	0.861
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	13.5587
Burned Peak Flow Rate (cfs)	13.5587
24-Hr Clear Runoff Volume (ac-ft)	0.9475
24-Hr Clear Runoff Volume (cu-ft)	41271.043



# APPENDIX D

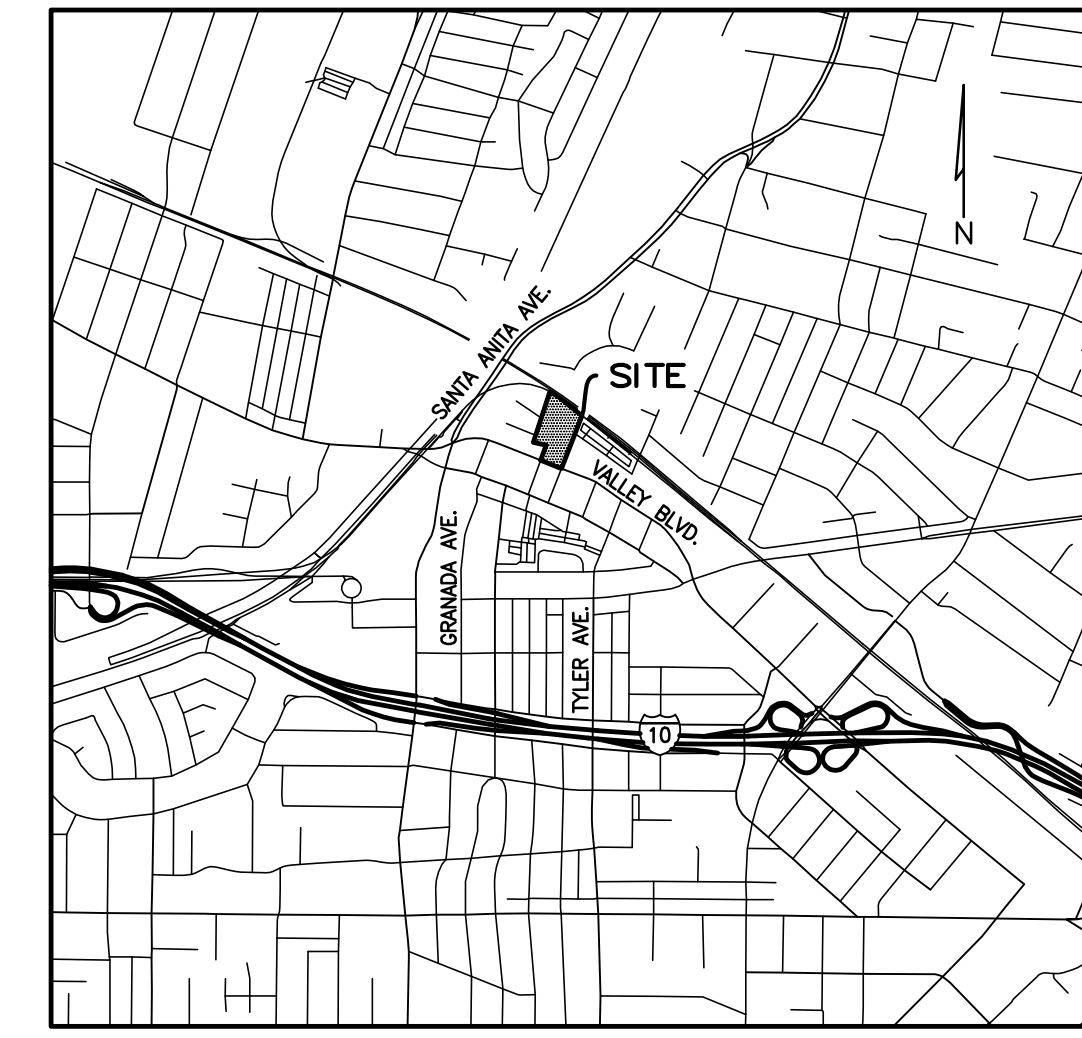
## HYDROLOGY MAPS



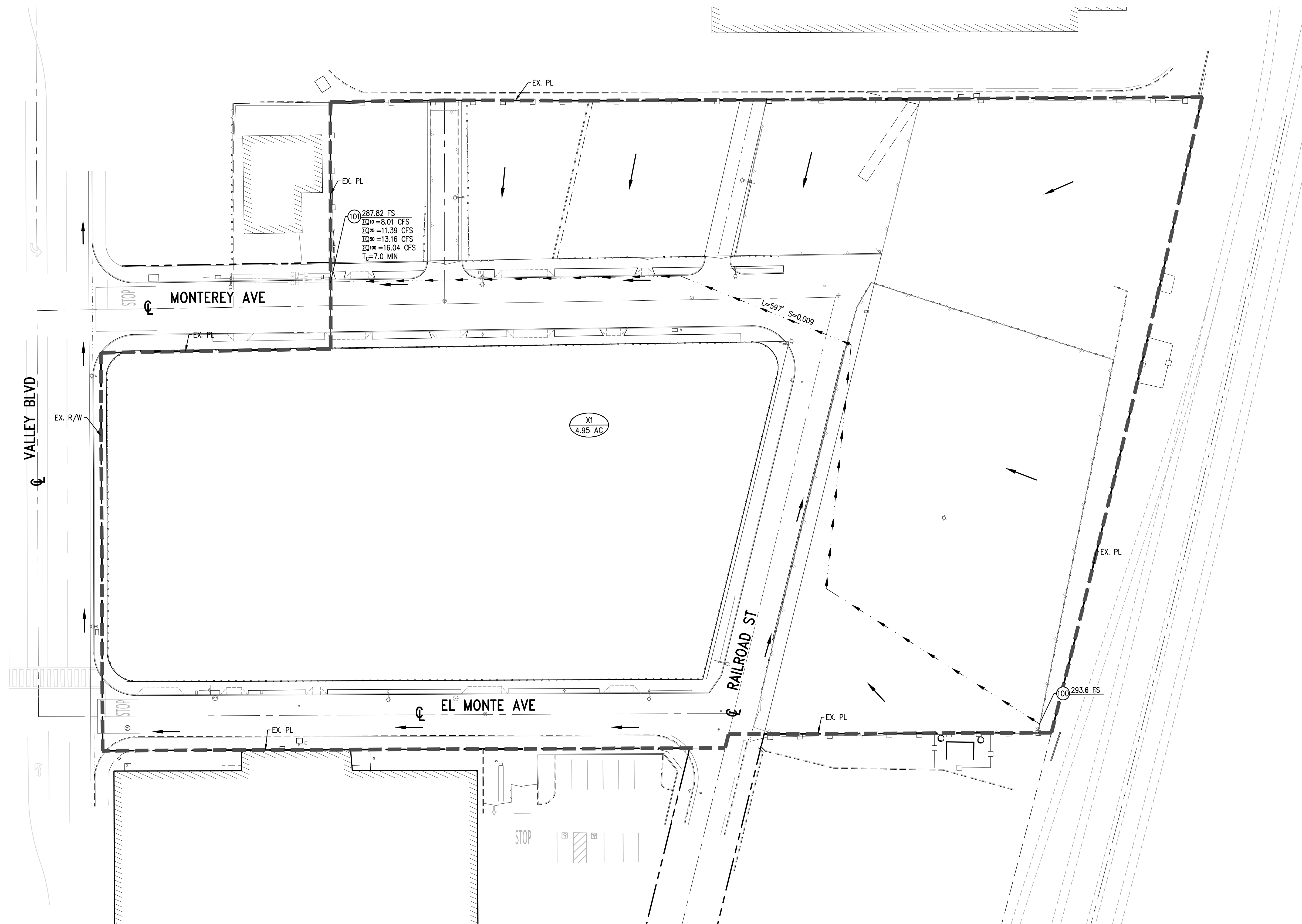
# EXISTING CONDITIONS HYDROLOGY MAP

# EXISTING CONDITIONS HYDROLOGY MAP

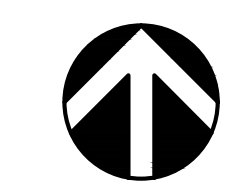
VTTM 83528  
3700 MONTEREY AVENUE  
CITY OF EL MONTE, COUNTY OF LOS ANGELES



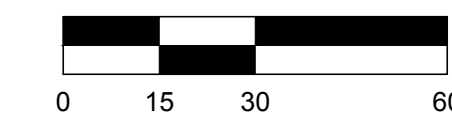
**VICINITY MAP**  
NTS



- LEGEND**
- EXISTING RIGHT-OF-WAY / BOUNDARY
  - - - DRAINAGE AREA BOUNDARY
  - - - LONGEST FLOW PATH
  - FLOW DIRECTION
  - (XX) DRAINAGE AREA ID
  - X.XX AC DRAINAGE AREA IN ACRES
  - INITIAL SUBAREA NODE
  - (00.0) FS SPOT ELEVATION
  - Q<sub>100</sub>=X.XX CFS PEAK RUNOFF (CFS)
  - T<sub>c</sub>=X.X MIN TIME OF CONCENTRATION (MIN)



SCALE: 1" = 30'



REVISIONS	
REV	DATE

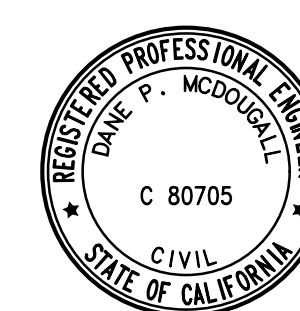
PREPARED FOR:

**MW INVESTMENT GROUP**

PREPARED BY:

**C&V CONSULTING, INC.**  
CIVIL ENGINEERING  
LAND PLANNING & SURVEYING

9930 IRVINE CENTER DRIVE  
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WWW.CVC-INC.NET



**CITY OF EL MONTE**  
DEPARTMENT OF DEVELOPMENT SERVICES / PLANNING DIVISION

**VESTING TENTATIVE TRACT MAP NO. 83528**  
3700 MONTEREY AVENUE  
**EXISTING CONDITIONS HYDROLOGY MAP**

# PROPOSED CONDITIONS HYDROLOGY MAP



# APPENDIX E

## HYDRAULIC CALCULATIONS

# PIPE SIZING

*To be provided during final engineering.*

# CATCH BASIN SIZING

*To be provided during final engineering.*

# 100-YEAR WATER SURFACE ELEVATIONS

*To be provided during final engineering.*



# APPENDIX F

## REFERENCES

**LEGAL DESCRIPTION:**

REAL PROPERTY IN THE CITY OF EL MONTE, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

**PARCEL 1:**

BEING THAT CERTAIN REAL PROPERTY DESCRIBED AS PARCEL 2 IN THAT CERTAIN CERTIFICATE OF COMPLIANCE FOR LOT LINE ADJUSTMENT RECORDED JUNE 27, 2014 AS INSTRUMENT NO. 20140665755 OF OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THAT PORTION OF THE RANCHO SAN FRANCISQUITO, IN THE CITY OF EL MONTE, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON MAP RECORDED IN BOOK 1, PAGES 31 AND 32 OF PATENTS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY AND THAT PORTION OF LOT 1 OF THE KING TRACT, IN SAID CITY, COUNTY AND STATE, AS SHOWN ON MAP RECORDED IN BOOK 4, PAGE 3 OF MAPS, IN THE OFFICE OF SAID COUNTY RECORDER, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE SOUTHWESTERLY LINE OF SAID LOT 1, BEING ALSO THE MOST EASTERLY CORNER OF LOT 10 OF TRACT NO. 5412, AS PER MAP RECORDED IN BOOK 58, PAGE 24 OF SAID MAPS;

THENCE NORTH 55° 08' 48" WEST (RECORD SOUTH 54° 59' EAST PER SAID TRACT NO. 5412) 92.10 FEET ALONG SAID SOUTHWESTERLY LINE AND THE NORTHEASTERLY LINE OF SAID TRACT NO. 5412;

THENCE LEAVING SAID SOUTHWESTERLY LINE NORTH 20° 39' 03" EAST 163.21 FEET TO THE SOUTHWESTERLY LINE OF THAT CERTAIN STRIP OF LAND, 100 FEET WIDE, DESCRIBED IN THE DEED TO SOUTHERN PACIFIC RAILROAD COMPANY, RECORDED JULY 26, 1873 IN BOOK 25, PAGE 408 OF DEEDS, IN THE OFFICE OF SAID COUNTY RECORDER, SAID SOUTHWESTERLY LINE BEING A CURVE CONCAVE SOUTHWESTERLY AND HAVING A RADIUS OF 11,409.19 FEET, A RADIAL WHICH BEARS NORTH 33° 21' 08" EAST;

THENCE SOUTHEASTERLY ALONG SAID CURVE A DISTANCE OF 378.24 FEET THROUGH A CENTRAL ANGLE OF 01° 53' 58" TO THE NORTHEASTERLY PROLONGATION OF A LINE THAT IS PARALLEL WITH AND DISTANT NORTHWESTERLY 8.00 FEET, MEASURED AT RIGHT ANGLES FROM THE NORTHWESTERLY LINE OF LOT 14 IN BLOCK 3 OF THE RESURVEY OF E. J. BALDWIN'S ADDITION TO EL MONTE, RECORDED IN BOOK 4, PAGE 95 OF SAID MAPS, IN THE OFFICE OF SAID COUNTY RECORDER, SAID NORTHEASTERLY PROLONGATION BEING THE NORTHWESTERLY BOUNDARY OF THAT CERTAIN LAND CONVEYED BY THE SOUTHERN PACIFIC TRANSPORTATION COMPANY TO THE LOS ANGELES COUNTY TRANSPORTATION COMMISSION BY THE DEED RECORDED ON JANUARY 29, 1992 AS INSTRUMENT NO. 92-152666 OF OFFICIAL RECORDS, IN THE OFFICE OF SAID COUNTY RECORDER;

THENCE SOUTH 20° 44' 47" WEST, 166.18 FEET ALONG SAID NORTHEASTERLY PROLONGATION AND NORTHWESTERLY BOUNDARY TO AN INTERSECTION WITH THE NORTHEASTERLY LINE OF RAILROAD STREET, 40 FEET WIDE, AS SHOWN ON SAID MAP OF THE RESURVEY OF E. J. BALDWIN'S ADDITION TO EL MONTE;

THENCE NORTH 55° 17' 08" WEST 286.56 FEET ALONG THE NORTHEASTERLY LINE OF SAID RAILROAD STREET TO THE MOST EASTERLY CORNER OF SAID LOT 10 AND THE POINT OF BEGINNING.

EXCEPT THEREFROM SAID LAND, ALL MINERAL AND MINERAL RIGHTS, INTEREST AND ROYALTIES, INCLUDING WITHOUT LIMITING, THE GENERALITY THEREOF, OIL, GAS AND OTHER HYDROCARBON SUBSTANCES AS WELL AS METALLIC OR OTHER SOLID MINERALS, IN AND UNDER THE PROPERTY; HOWEVER, WITHOUT RIGHT FOR ANY PURPOSE WHATSOEVER TO ENTER UPON, INTO OR THROUGH THE SURFACE OF THE PROPERTY IN CONNECTION THEREWITH AS ACCEPTED AND RESERVED BY SOUTHERN PACIFIC TRANSPORTATION COMPANY, IN THAT CERTAIN DEED RECORDED DECEMBER 30, 1992 AS INSTRUMENT NO. 92-2446533, OFFICIAL RECORDS.

APN(S): 8575-017-909

**PARCEL 2:**

BEING THAT CERTAIN REAL PROPERTY DESCRIBED AS PARCEL 1 IN THAT CERTAIN CERTIFICATE OF COMPLIANCE FOR LOT LINE ADJUSTMENT RECORDED JUNE 27, 2014 AS INSTRUMENT NO. 20140665756 OF OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THAT PORTION OF LOT 1 OF TRACT NO. 8756 IN THE CITY OF EL MONTE, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 117, PAGE 80 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, TOGETHER WITH THE UNDERLYING FEE TITLE TO COURT ADJAR AS SHOWN AND DEDICATED ON SAID TRACT NO. 8756 THAT IS WITHIN OR WOULD PASS WITH A LEGAL CONVEYANCE OF SAID LOT 1, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE MOST SOUTHERLY CORNER OF SAID LOT 1, DISTANT SOUTH 19° 59' 18" WEST (RECORD SOUTH 20° 03' WEST PER SAID TRACT NO. 8756) 55.20 FEET FROM THE MOST EASTERLY CORNER THEREOF;

THENCE ALONG SAID SOUTHWESTERLY PROLONGATION OF THE SOUTHEASTERLY LINE OF SAID LOT 1 SOUTH 19° 59' 18" WEST 8.00 FEET TO ITS INTERSECTION WITH THE CENTERLINE OF SAID COURT ADJAR;

THENCE ALONG SAID CENTERLINE NORTH 69° 03' 14" WEST 92.83 FEET;

THENCE LEAVING SAID CENTERLINE NORTH 21° 03' 18" EAST 84.05 FEET TO THE NORTHEASTERLY LINE OF SAID LOT 1 AND SAID TRACT NO. 8756;

THENCE ALONG SAID NORTHEASTERLY LINE SOUTH 56° 13' 23" EAST 93.96 FEET TO THE MOST EASTERLY CORNER OF SAID LOT 1;

THENCE ALONG THE SOUTHEASTERLY LINE OF SAID LOT 1 SOUTH 19° 59' 18" WEST 55.20 FEET TO SAID MOST SOUTHERLY CORNER OF LOT 1 AND THE TRUE POINT OF BEGINNING.

APN(S): 8575-021-936

**ASSESSOR'S PARCEL NUMBERS:**

APN: 8575-017-909 APN: 8575-019-911 APN: 8575-021-932  
 APN: 8575-019-907 APN: 8575-019-912 APN: 8575-021-934  
 APN: 8575-019-908 APN: 8575-019-913 APN: 8575-021-936  
 APN: 8575-019-910 APN: 8575-019-914 APN: 8575-022-925

**LAND AREA:**

TOTAL GROSS AREA: 4.4999 ACRES  
 TOTAL NET AREA: 4.4471 ACRES  
 LOT 1: 3.7584 ACRES (CONDOMINIUMS)  
 LOT A: 0.6498 ACRES (PUBLIC PARK SITE)  
 LOT B: 0.0390 ACRES (PUBLIC EL MONTE PASEO)

STREET DEDICATIONS:  
 VALLEY BLVD. 0.0528 ACRES

**EASEMENTS NOTES :**

- 15 EASEMENT GRANTED TO SOUTHERN CALIFORNIA EDISON COMPANY, FOR AERIAL ELECTRIC LINES AND COMMUNICATION LINES AND NECESSARY APPURTENANCES FOR CONVEYING ELECTRIC ENERGY RECORDED AUGUST 16, 1968 AS INSTRUMENT NO. 3663, O.R.
- 14 EASEMENT GRANTED TO SOUTHERN CALIFORNIA EDISON COMPANY, FOR AERIAL ELECTRIC LINES AND COMMUNICATION LINES AND NECESSARY APPURTENANCES FOR CONVEYING ELECTRIC ENERGY RECORDED JULY 09, 1968 AS INSTRUMENT NO. 3039 O.R.
- 6 EASEMENT GRANTED TO THE PACIFIC TELEPHONE AND TELEGRAPH COMPANY FOR POLE LINES AND CONDUITS RECORDED JANUARY 20, 1949 IN BOOK 29208, PAGE 324, O.R.
- 5 EASEMENT FOR PUBLIC ROAD AND HIGHWAY RECORDED MARCH 11, 1936 IN BOOK 14024, PAGE 99, O.R.

**PROPOSED EASEMENTS:**

- A EASEMENT FOR PUBLIC UTILITIES
- B EASEMENT FOR EMERGENCY ACCESS
- C EASEMENT FOR METRO

**GEOTECH INFORMATION:**

**LGC Geotechnical, Inc.**  
 131 CALLE IGLESIA, SUITE 200  
 SAN CLEMENTE, CA 92672  
 (949) 369-6141

**ENGINEER INFORMATION:**

**C&V Consulting, Inc.**  
 9830 IRVINE CENTER DRIVE  
 IRVINE, CALIFORNIA 92618  
 (949) 916-3800

**OWNER/SUBDIVIDER:**

**MW Investment Group, LLC**  
 27702 CROWN VALLEY PARKWAY, SUITE D-4-197  
 LADERA RANCH, CA. 92694

**ADJACENT LAND USE DESIGNATION:**

NORTH: INDUSTRIAL/BUSINESS PARK  
 EAST: DOWNTOWN CORE  
 SOUTH: DOWNTOWN CORE  
 WEST: DOWNTOWN CORE

**BENCH MARK NOTE :**

ELEVATIONS SHOWN HEREON ARE BASED ON LOS ANGELES COUNTY BENCH-MARK NO. G5171, BEING A DPW TAG IN THE NORTH CATCH BASIN, 1 FOOT WEST OF THE B.C.R AT THE NW CORNER OF VALLEY BOULEVARD AND MONTEREY AVENUE. ELEV=285.67 FT

**BASIS OF BEARINGS:**

THE BEARINGS ARE BASED ON THE VALLEY BOULEVARD HAVING A BEARING OF N6920°32'W, AS SHOWN ON PARCEL MAP NO. 72667, PMB 384/42-45.

**EXISTING & PROPOSED ZONING:**

EXISTING & PROPOSED: SP-4 DOWNTOWN

**EXISTING & PROPOSED LAND USE:**

EXISTING: VACANT  
 PROPOSED: LOT 1 - RESIDENTIAL  
 LOT A - PUBLIC CITY PARK  
 LOT B - PUBLIC EL MONTE PASEO

**FLOOD NOTE:**

PER FIRM MAP NO 06037C1675F WITH AN EFFECTIVE DATE OF SEPTEMBER 26, 2018 THE SUBJECT PROPERTY FALLS WITHIN ZONE "X", AREAS OF MINIMAL FLOOD HAZARD.

**PROJECT SUMMARY:**

TOTAL UNITS: 87 UNITS  
 • MONTE VISTA SUBAREA: 25 UNITS  
 • STATION SUBAREA: 62 UNITS

AVERAGE UNIT SIZE 5 BEDROOM  
 TOTAL AREA: 1,790 S.F.  
 1ST FLOOR: 320 S.F.  
 2ND FLOOR: 720 S.F.  
 3RD FLOOR: 750 S.F.

**DATE OF SURVEY:**

DATE: JANUARY, 2023

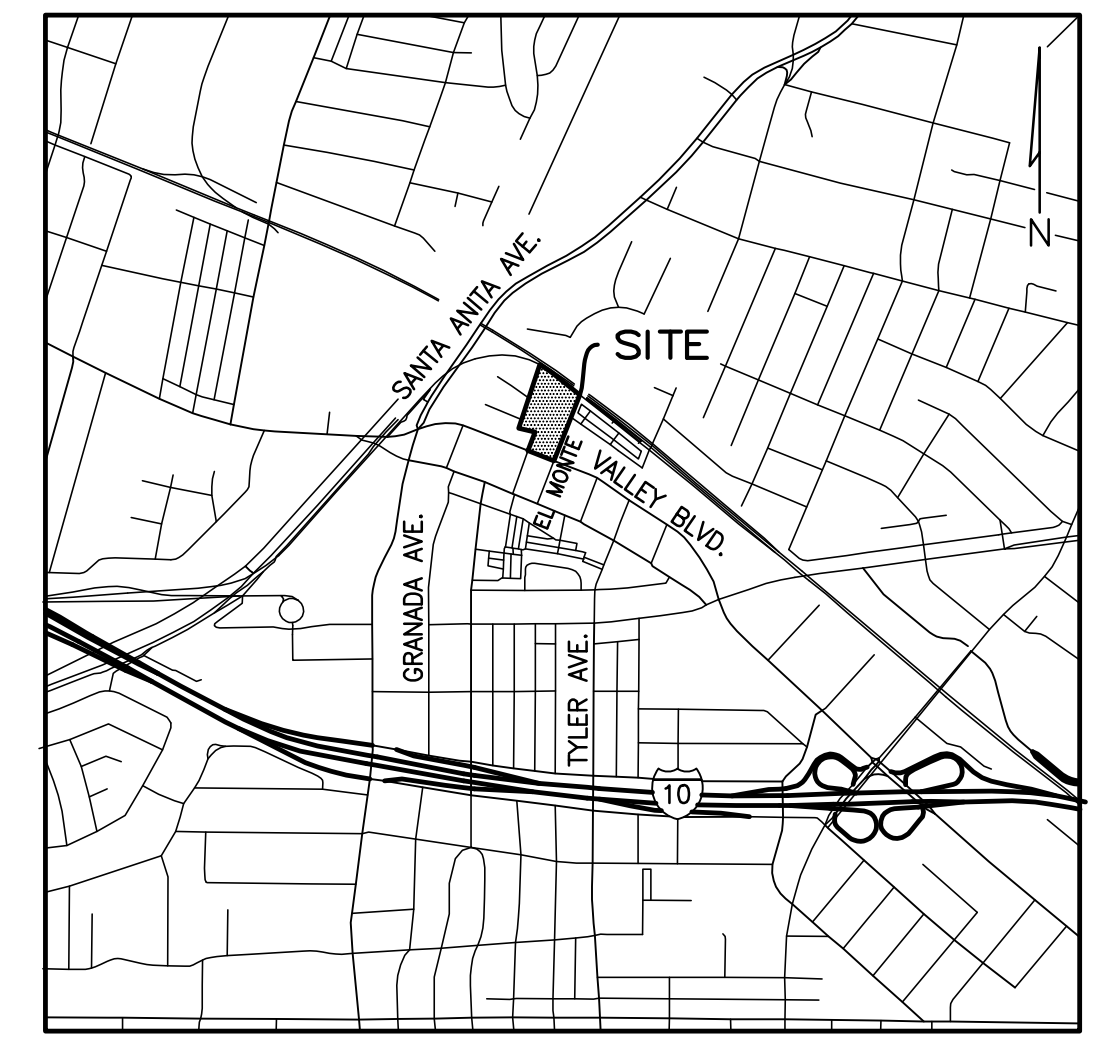
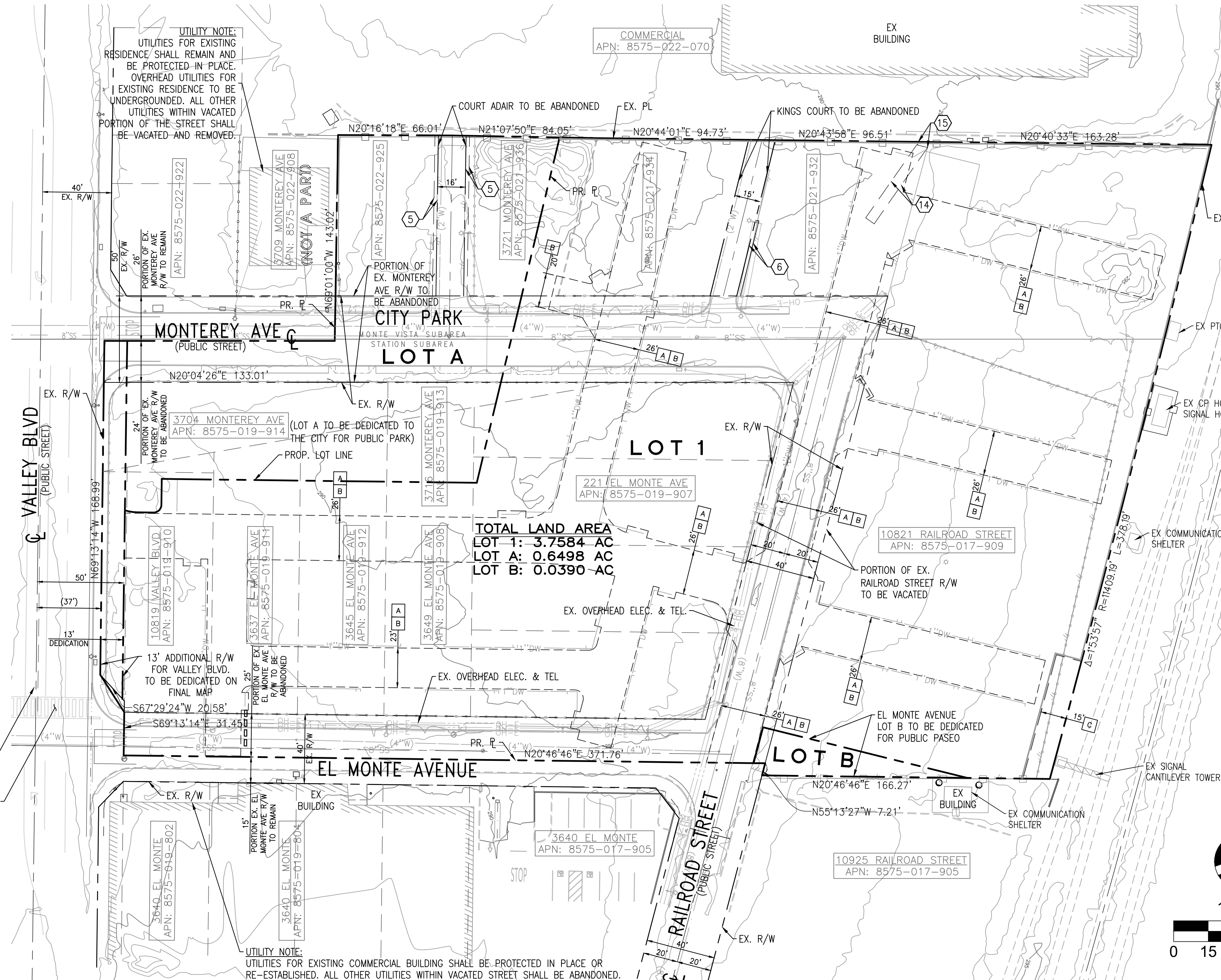
**ENGINEER'S STATEMENT:**

THIS TENTATIVE MAP WAS PREPARED BY ME, OR UNDER MY DIRECTION ON FEBRUARY 22, 2023. CONTOURS SHOWN HEREON PER FIELD TOPOGRAPHIC SURVEY PREPARED BY C&V CONSULTING, INC. DATED JANUARY 10, 2023.

PHILLIP MALCOMSON, R.C.E. 67819

# TENTATIVE TRACT MAP NO. 83528

FOR CONDOMINIUM PURPOSES  
 CITY OF EL MONTE, COUNTY OF LOS ANGELES,  
 STATE OF CALIFORNIA



**SHEET INDEX :**

SHT. NO.	DESCRIPTION
1	TENTATIVE TRACT MAP
2	TITLE INFORMATION
3	PRELIMINARY GRADING PLAN
4	PRELIMINARY UTILITY PLAN
5	FIRE ACCESS & HYDRANT LOCATION PLAN

**UTILITY PURVEYORS :**

SEWER	WATER	STORM DRAIN	ELECTRICITY	GAS
CITY OF EL MONTE DEPARTMENT OF PUBLIC WORKS UTILITIES DIVISION (626) 580-2056	CITY OF EL MONTE WATER DEPARTMENT (626) 580-2024	CITY OF EL MONTE DEPARTMENT OF PUBLIC WORKS UTILITIES DIVISION (626) 580-2056	SOUTHERN CALIFORNIA EDISON (800) 655-4555	SOUTHERN CALIFORNIA GAS CO. (800) 427-2200

**ABBREVIATIONS**

BDY	BOUNDARY
BUILDING	BUILDING
BIO-FILT	BIO-FILTRATION
BW	BACK OF WALK
CB	CATCH BASIN
CLF	CHAIN LINK FENCE
CO	CLEANOUT
CONC	CONCRETE
DDCA	DOUBLE DETECTOR CHECK ASSEMBLY
DRWY	DRIVEWAY
E	ELECTRICAL OR EAST
ELEC	ELECTRICAL
ESMT	EASEMENT
EX.	EXISTING
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISHED FLOOR
FS	FIRE HYDRANT
FS	FINISHED SURFACE
FW	FIRE WATER
OFF	GARAGE FINISHED FLOOR
INV	INVERT
JS	JUNCTION STRUCTURE
LACFCD	LA COUNTY FLOOD CONTROL DISTRICT
LP	LOW POINT
LS	LAND SCALE
LT	LIGHT
MH	MANHOLE
N.A.P.	NOT A PART
PA	PLANTER AREA
PCC	PORTLAND CEMENT CONCRETE
PW	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PROP.	PROPOSED
RH	RETAINED HEIGHT
R/W	RIGHT-OF-WAY
SD	STORM DRAIN
SL	STREET LIGHT
SS	SANITARY SEWER
TC	TOP OF CURB
TW	TOP OF GRATE
TW	TOP OF WALL
TYP	TYPICAL
VCP	VITRIFIED CLAY PIPE
W	WATER OR WEST
WM	WATER METER
WQ	WATER QUALITY

REVISIONS

REV	DATE	DESCRIPTION

PREPARED FOR:

**MW INVESTMENT GROUP**

PREPARED BY:

**C&V CONSULTING, INC.**  
 CIVIL ENGINEERING  
 LAND PLANNING & SURVEYING

9830 IRVINE CENTER DRIVE  
 IRVINE, CALIFORNIA 92618  
 (949) 916-3800  
 INFO@CVC-INC.NET  
 WWW.CVC-INC.NET

**CITY OF EL MONTE**  
 DEPARTMENT OF DEVELOPMENT SERVICES / PLANNING DIVISION

**TENTATIVE TRACT MAP NO. 83528**  
 3700 MONTEREY AVENUE  
 TENTATIVE TRACT MAP

SHEET **1** OF **5**





# TENTATIVE TRACT MAP NO. 83528

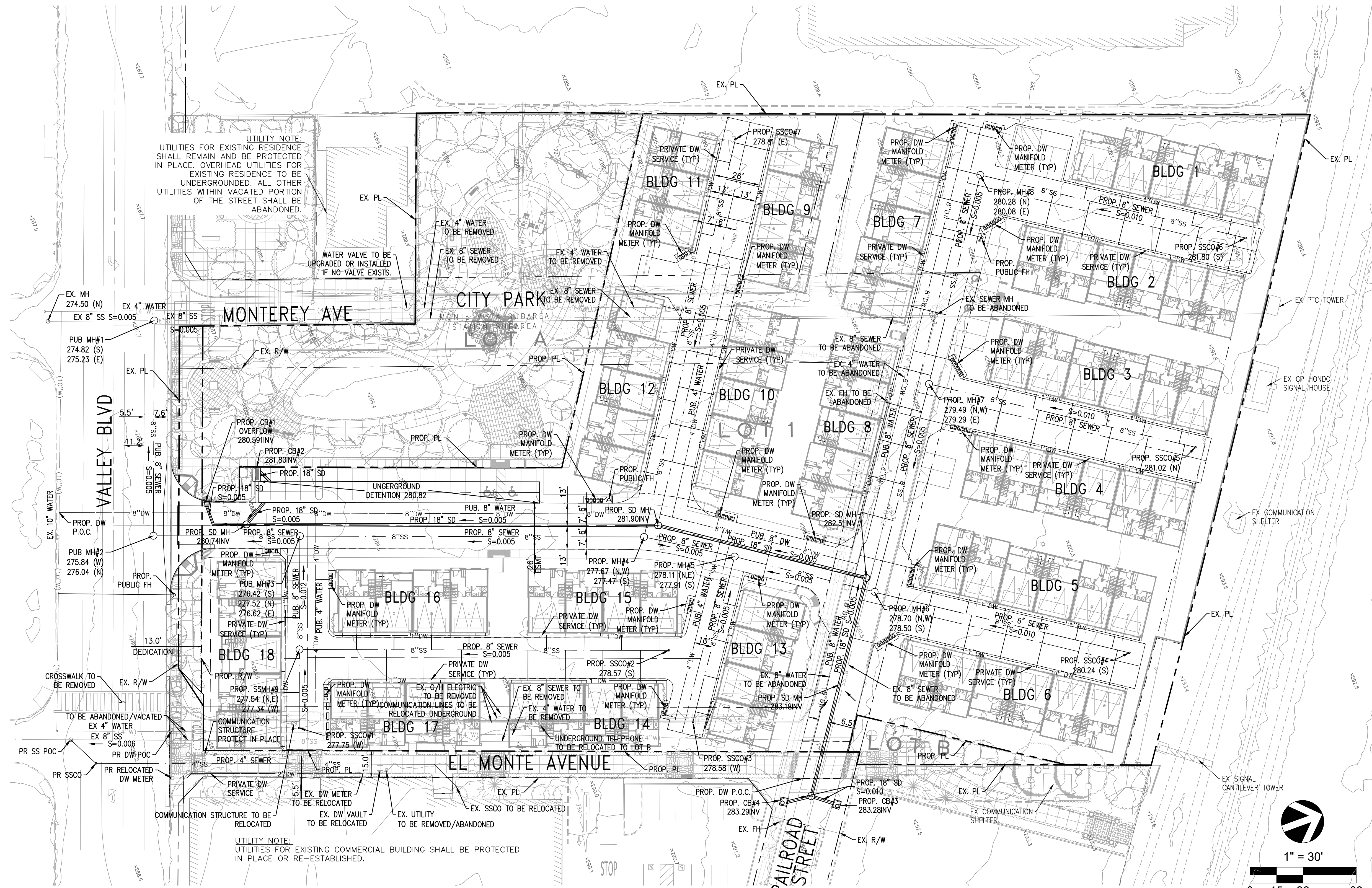
FOR CONDOMINIUM PURPOSES  
CITY OF EL MONTE, COUNTY OF LOS ANGELES,  
STATE OF CALIFORNIA

## LEGEND:

A.C.	ASBESTOS CEMENT PIPE	---	EXIST. SANITARY SEWER LINE
C.L.	CENTERLINE	---	EXIST. GAS LINE
C.O.	CLEANOUT	---	EXIST. WATER LINE
C&G	CURB & GUTTER	---	EXIST. ELECTRICAL LINE
DCDV	DOUBLE CHECK DOUBLE VALVE DETECTOR	○	FIRE HYDRANT
DW	DOMESTIC WATER	○	GATE VALVE
EX.	EXISTING	○	WATER METER VAULT
F.H.	FIRE HYDRANT	○	FLUSHOUT
FW	FIRE WATER	○	REDUCER
INV.	INVERT	○	MANHOLE
H.L.	HOUSE SEWER LATERAL	○	CLEANOUT
M.H.	MANHOLE	○	
PROP.	PROPOSED	○	
P.V.C.	POLYVINYL CHLORIDE	○	
R/W	RIGHT OF WAY	○	
SD	STORM DRAIN	○	
SS	SANITARY SEWER	○	
W/M	WATER MAIN	○	
WM	WATER METER	○	
V.C.P.	VITRIFIED CLAY PIPE	○	

## UTILITY NOTES:

1. ONSITE DOMESTIC WATER MAINS, SERVICE LINES UP TO THE METER AND APPURTENANCES SHALL BE PUBLIC AND MAINTAINED BY THE CITY OF EL MONTE. SERVICE LINES PAST THE METER ARE PRIVATE AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION.
2. INDIVIDUAL DOMESTIC/IRRIGATION WATER METERS ONSITE WILL BE PUBLIC AND MAINTAINED WITHIN AN EASEMENT IN FAVOR OF THE CITY OF EL MONTE.
3. ONSITE SANITARY SEWER MAINS AND HOUSE LATERALS SHALL BE PRIVATE AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION.
4. ONSITE STORM DRAIN SYSTEM SHALL BE PRIVATE AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION.
5. ONSITE IRRIGATION SYSTEM SHALL BE PRIVATE AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION.
6. UTILITIES SERVICING THE PUBLIC PARK (LOT A) AND PASEO (LOT B) SHALL BE MAINTAINED BY THE CITY OF EL MONTE.



REVISIONS		
REV	DATE	DESCRIPTION

PREPARED FOR:



PREPARED BY:



**CITY OF EL MONTE**  
DEPARTMENT OF DEVELOPMENT SERVICES / PLANNING DIVISION

**TENTATIVE TRACT MAP NO. 83528**  
3700 MONTEREY AVENUE  
**PRELIMINARY UTILITY PLAN**

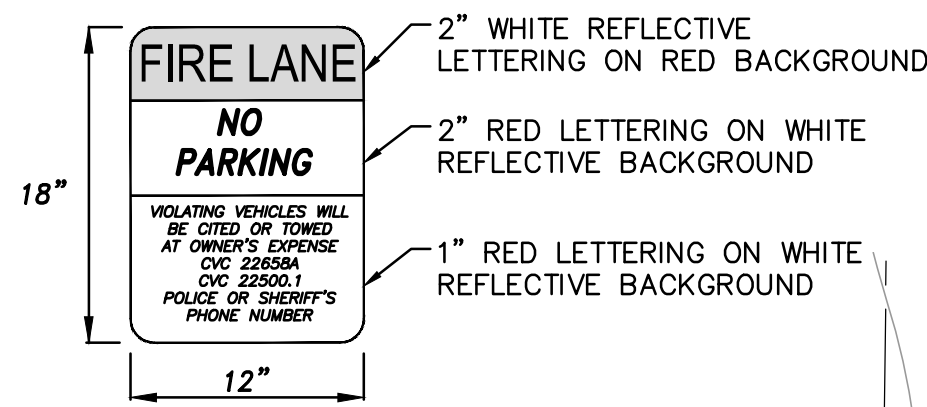
SHEET

4  
OF  
5

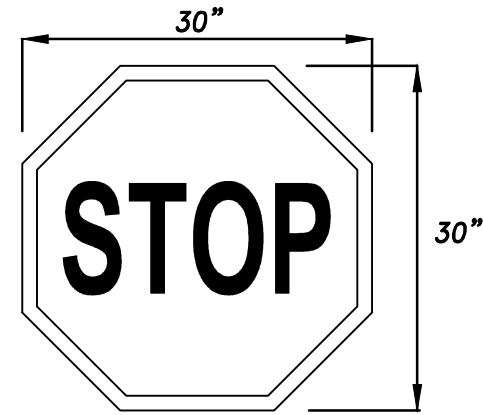
PLAN SET: P&S  
 DATE: 09/22/23

**PROJECT GENERAL NOTES:**

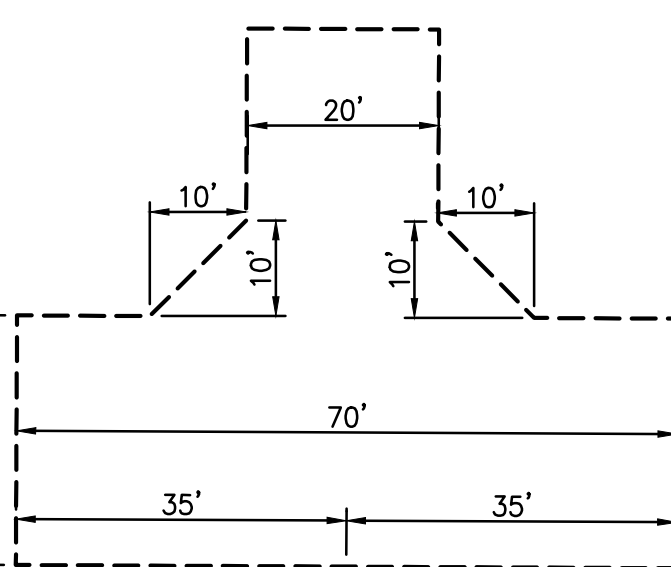
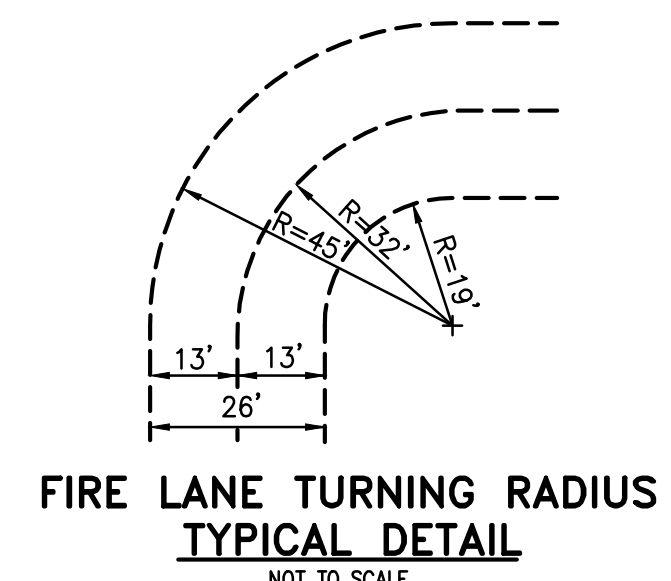
- ALL FIRE ACCESS LANES MEET LACFD MINIMUM REQUIREMENTS 19' & 45' RADII.
- THIS PROJECT DOES NOT HAVE ANY FUEL MODIFICATION OR WILD LAND EXPOSURES AND IS NOT IN A VERY HIGH FIRE HAZARD ZONE.
- THIS PROJECT IS DESIGNED IN CONFORMANCE WITH THE CBC, 2019 EDITION.
- ALL FIRE ACCESS ROADS SHALL BE ALL WEATHER, MEET THE CRITERIA OF AN ALL WEATHER DRIVING SURFACE AND COMPLY WITH LACoFD GUIDELINE FOR FIRE APPARATUS ROADS.
- LARGEST BUILDING SQ. FOOTAGE = 13,662 SQ. FT.
- BUILDINGS ARE DESIGNATED TYPE VB
- ALL BUILDING OCCUPANCIES ARE R2.
- BUILDING ADDRESS NUMBER SHALL BE PROVIDED AND MAINTAINED SO AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET FRONTING THE PROPERTY. THE NUMBERS SHALL BE A MINIMUM 3 INCHES HIGH, 1 INCH WIDE WITH A 3/8" BOLD STROKE. FOR BUILDINGS SET BACK MORE THAN 150 FEET FROM THE STREET, THE NUMBERS SHALL BE A MINIMUM 5 INCHES HIGH, 2 INCHES WIDE WITH A 1/2 INCH STROKE. FIRE CODE 908.4.4.
- A KEY BOX SHALL BE PROVIDED AT THE MAIN ENTRANCE, IN ACCORDANCE WITH FIRE CODE 902.4, AND AS SET FORTH IN FIRE DEPARTMENT REGULATION 5.
- THE REQUIRED FIRE FLOW FOR PUBLIC FIRE HYDRANTS AT THIS LOCATION IS \_\_\_\_\_ GALLONS PER MINUTE, AT 20 PSI RESIDUAL PRESSURE, FOR A DURATION OF 2 HOURS OVER AND ABOVE THE MAXIMUM DAILY DOMESTIC DEMAND. FIRE CODE 903.2 AND FIRE DEPARTMENT REGULATION 8.
- ALL FIRE HYDRANTS SHALL MEASURE 6"x4"x2-1/2", BRASS OR BRONZE, CONFORMING TO AMERICAN WATER WORKS ASSOCIATION STANDARD C503, OR APPROVED EQUAL; AND SHALL BE INSTALLED IN COMPLIANCE WITH FIRE DEPARTMENT REGULATION 8. FIRE CODE 903.2.1
- THE REQUIRED FIRE FLOW IS CALCULATED PER THE COUNTY OF LOS ANGELES CODE APPENDIX B, REGULATION 8 IS NO LONGER APPLICABLE.
- ALL ON-SITE FIRE HYDRANTS SHALL BE INSTALLED, TESTED AND APPROVED PRIOR TO BUILDING OCCUPANCY. FIRE CODE 1001.4
- THE INSPECTION, HYDROSTATIC TEST AND FLUSHING OF THE UNDERGROUND FIRE PROTECTION PIPING SHALL BE WITNESSED BY AN AUTHORIZED FIRE DEPARTMENT REPRESENTATIVE, AND NO UNDERGROUND PIPING OR THURST BLOCKS SHALL BE COVERED WITH EARTH OR HIDDEN FROM VIEW UNTIL THE FIRE DEPARTMENT REPRESENTATIVE HAS BEEN NOTIFIED AND GIVEN NOT LESS THAN 48 HOURS IN WHICH TO INSPECT SUCH INSTALLATIONS. FIRE CODE 1001.4



**1 NO PARKING SIGN**



**4 STOP SIGN**



**FIRE APPARATUS TURNAROUND TYPICAL DETAIL**  
NOT TO SCALE

# TENTATIVE TRACT MAP NO. 83528

FOR CONDOMINIUM PURPOSES  
CITY OF EL MONTE, COUNTY OF LOS ANGELES,  
STATE OF CALIFORNIA



ALL SIGN AND LETTERING DIMENSIONS ARE MINIMUMS.

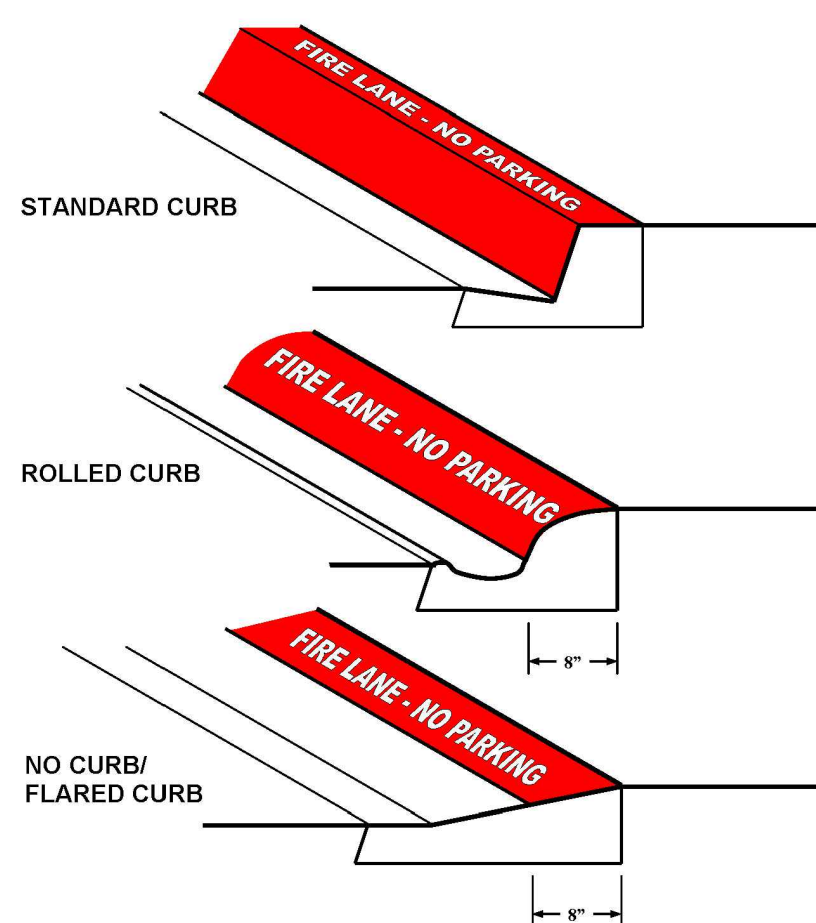
SIGNS SHALL BE SECURELY MOUNTED FACING THE DIRECTION OF TRAVEL AND CLEARLY VISIBLE TO ONCOMING TRAFFIC ENTERING THE DESIGNATED AREA. SIGNS SHALL BE MADE OF DURABLE MATERIAL.

ALL SIGN AND LETTERING DIMENSIONS ARE MINIMUMS.

SIGNS SHALL BE SECURELY MOUNTED FACING THE DIRECTION OF TRAVEL AND CLEARLY VISIBLE TO ONCOMING TRAFFIC ENTERING THE DESIGNATED AREA. SIGNS SHALL BE MADE OF DURABLE MATERIAL.

**ATTACHMENT 9**

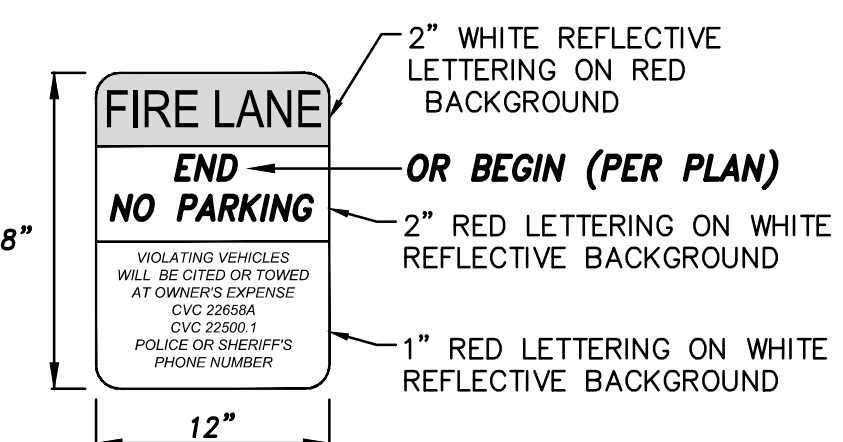
Fire Lane Identification - Red Curbs



- Fire lane entrance sign(s) shall also be provided per Attachment 10 or 11.
- Curbs shall be painted OSHA safety red.
- 'FIRE LANE - NO PARKING' shall be painted on top of curb in 3" white lettering at a spacing of 30' on center or portion thereof.

- CURBS SHALL BE PAINTED RED
- 'FIRE LANE - NO PARKING' SHALL BE PAINTED ON TOP OF CURB IN 3" WHITE LETTERING AT A SPACING OF 30' ON CENTER OR PORTION THEREOF.

**2 RED CURB PAVEMENT MARKING**  
NOT TO SCALE



ALL SIGN AND LETTERING DIMENSIONS ARE MINIMUMS.

SIGNS SHALL BE SECURELY MOUNTED FACING THE DIRECTION OF TRAVEL AND CLEARLY VISIBLE TO ONCOMING TRAFFIC ENTERING THE DESIGNATED AREA. SIGNS SHALL BE MADE OF DURABLE MATERIAL.

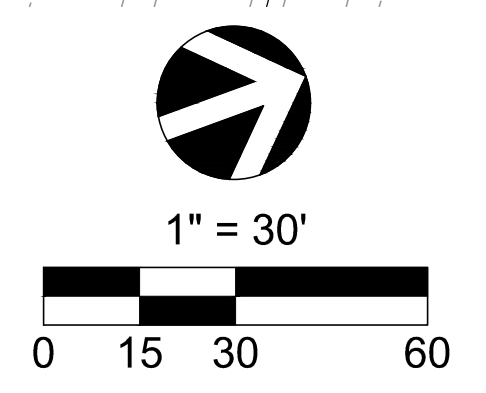
**3 BEGIN & END NO PARKING SIGN**

**CONSTRUCTION NOTES:**

- INSTALL "FIRE LANE" SIGN PER DETAIL 1 HEREON.
- FIRE LANE IDENTIFICATION-RED CURBS PER DETAIL 2 HEREON.
- INSTALL "FIRE LANE" SIGN BEGIN OR END PER DETAIL 3 HEREON.
- INSTALL STOP SIGN (R1-1) PER CA MUTCD (2014)

**LEGEND**

- EXISTING STREET LIGHT
- PROPOSED FIRE HYDRANT
- PROPOSED FIRE TRUCK ACCESS
- EX. POWER POLE
- PR. PUBLIC 4" DW
- PR. PUBLIC 8" FW
- HOSE PULL
- PROPERTY LINE
- RED CURB STRIPING
- FIRE HYDRANT
- PROPOSED
- EXISTING
- PROPERTY LINE
- RIGHT OF WAY
- TYPICAL
- BUILDING
- IRRIGATION
- FIRE TRUCK



REV	DATE	DESCRIPTION

PREPARED FOR:

**MW INVESTMENT GROUP**

PREPARED BY:

**C&V CONSULTING, INC.**  
CIVIL ENGINEERING  
LAND PLANNING & SURVEYING

9630 IRVINE CENTER DRIVE  
IRVINE, CALIFORNIA 92618  
(949) 916-3800  
INFO@CVC-INC.NET  
WWW.CVC-INC.NET

**CITY OF EL MONTE**  
DEPARTMENT OF DEVELOPMENT SERVICES / PLANNING DIVISION

**TENTATIVE TRACT MAP NO. 83528**  
3700 MONTEREY AVENUE  
**FIRE ACCESS & HYDRANT LOCATION PLAN**