WARNING: ALL INDIVIDUALS INTERESTED IN BIDDING ON THIS PROJECT MUST OBTAIN THE FINAL PLANS AND SPECIFICATIONS FROM THE DEPARTMENT MANAGING THE PROJECT OR AS OTHERWISE STATED IN THE ADVERTISEMENT FOR BIDS FOR THE PROJECT. DO NOT USE THE PLANS AND SPECIFICATIONS POSTED ON THE CLERK OF THE BOARD'S WEBSITE FOR BIDDING ON THIS PROJECT.

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

TRANSPORTATION

PLANS FOR CONSTRUCTION ON

ADA RAMPS

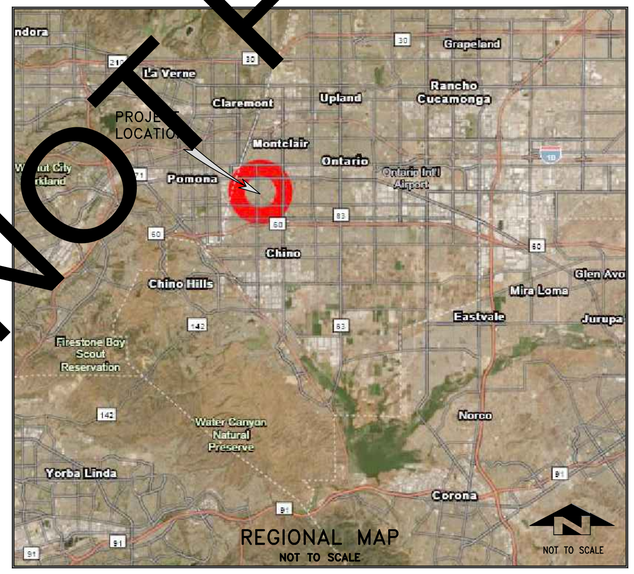
IN THE CHINO/MONTCLAIR AREA

WORK ORDER NO. H15061

NOT FOR BID

COUNTY ROAD NO.	124225010	137150010	223850010	251600010	263100010	292100010	346050030
	375075010	389200010	395075010	426750020	471000010	476750010	493310030
	529825020	562350010	807500010	847200010	876375010		

CITY OF MONTCLAIR STREETS: ADA AVE. STATE ST. CLIFFWOOD DR. COLLEGE AVE. STAGECOACH AVE.



CITY OF MONTCLAIR

APPROVED BY: M Heredia — June 6, 2023

MONICA HEREDIA, P.E., CITY ENGINEER R.C.E. 56547 — DATE

SAN BERNARDINO COUNTY

APPROVED BY: Brendon Biggs — 7/7/2023

BRENDON P. BIGGS, M.S., P.E., DIRECTOR OF PUBLIC WORKS R.C.E. 57127 — DATE

APPROVED BY: N Castillo — 7/7/23

NOEL CASTILLO, P.E., ASSISTANT DIRECTOR OF PUBLIC WORKS R.C.E. 78044 — DATE

MARK	CHANGES		
	NO CHANGES	RESIDENT ENGINEER	DATE
FIELD CHANGES		SHT. NO. 1	TOT. SHT'S 12

MARK | REVISIONS | APPR. | DATE

MARK | REVISIONS | APPR. | DATE

Z:\CS PROJECTS\San Bernardino COUNTY\ChinoMontclair Area ADA Ramps\PLANS\DWG\SHEET 01-COVER_SHEET.dwg 06/13/23 9:01am

SHEET INDEX

SHEET	DESCRIPTION
1	COVER SHEET
2	CONSTRUCTION NOTES, LEGENDS, INDEX MAPS AND DETAILS
3–12	PLAN AND PROFILE SHEETS

★THE FOLLOWING COUNTY STANDARDS AND SPECIAL DRAWINGS ARE ATTACHED TO THE SPECIAL PROVISIONS:
109 (MODIFIED) 115 (MODIFIED) 116 119
303A 303B SPEC DWG 1

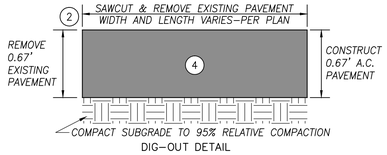
★TO BE SUPPLEMENTED BY THE FOLLOWING 2018 CALTRANS STANDARD PLANS:
A24E, A24F, A88A, A88B
T9, T13, T30, T31, T32, T33, T34

★TO BE SUPPLEMENTED BY THE FOLLOWING 2014 CA MUTCD STANDARD AND GUIDANCE:
FIGURE 2A–2(CA)
FIGURES 6H–28 & 6H–29, SECTIONS 6D.01 & 6D.02

★TO BE SUPPLEMENTED BY THE FOLLOWING 2021 STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC):
112–2

★TO BE SUPPLEMENTED BY THE FOLLOWING CITY OF MONTCLAIR STANDARD PLAN:
A–8

★*THESE STANDARDS MAY BE MODIFIED AS DIRECTED BY THE COUNTY REPRESENTATIVE. CONTRACTOR SHALL CONSULT WITH THE COUNTY ENGINEER, AND RECEIVE APPROVAL, PRIOR TO CONSTRUCTION.*



DIG–OUT DETAIL

THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTIES, THAT THESE REQUIREMENTS SHALL BE APPLIED CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND PROTECT THE DESIGN PROFESSIONAL AGAINST ALL REAL OR ALLEGED CLAIMS IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITIES ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL. UNAUTHORIZED CHANGES AND USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USE OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

NOTICE TO THE CONTRACTOR REGARDING LICENSE REQUIREMENTS:

THE PRIME CONTRACTOR FOR THIS PROJECT SHALL HAVE A VALID CLASS "A" CALIFORNIA CONTRACTOR'S LICENSE PRIOR TO CONTRACT AWARD

ADA RAMP TABLE

MAP LOCATION	SAN BERNARDINO COUNTY STREET LOCATION	QUADRANT	RAMP NO.	RAMP QTY.	SHEET
A	APPLEGATE STREET @ VERNON AVENUE	NW & SW	1 & 2	2	3
B	AVALON COURT @ HUMBOLDT AVENUE	NE & SE	3 & 4	2	3
C	CENTRAL PLACE @ W. STATE STREET	SE & SW	(5–NAP) & 6	1	3
D	COMPTON STREET @ DEL MAR AVENUE	NW & SW	7 & 8	2	4
E	COZZENS AVENUE @ PAMELA DRIVE	NE, NW, SE, SW	9, 10, 11, 12	4	4
F	DEL MAR AVENUE @ EASTERLY DRIVEWAY	NE & SE	13 & 14	2	5
G	FARNDON AVENUE @ COMPTON STREET	NE & NW	15 & 16	2	5
H	GALA LANE @ CARLTON STREET	SE & SW	17 & 18	2	5
I	E. GRAND AVENUE @ S. EAST END AVENUE	SE	(19–NAP)	0	6
J	GROVE STREET @ ADA AVENUE	SE	20	1	6
K	HOWARD STREET @ BEL AIR AVENUE	NE & NW	21 & 22	2	6
L	HOWARD STREET @ VERNON AVENUE	NE, NW, SE, SW	23, 24, 25, 26	4	7
M	LA BRIDA AVENUE @ LA REATA DRIVE	SE & SW	27 & 28	2	7
N	LA REATA DRIVE @ McKINLEY AVENUE	NE & SE	29 & 30	2	8
O	LEXINGTON AVENUE @ FARNDON AVENUE	NW & SW	31 & 32	2	8
P	MAPLE STREET @ COLLEGE AVENUE	NE & NW	33 & 34	2	8
Q	MONTE VERDE AVENUE @ WESLEY AVENUE	NE & SE	35 & 36	2	9
R	MONTE VERDE AVENUE @ KIMBERLY AVENUE	NW & SW	37 & 38	2	9
S	TELEPHONE AVENUE @ JUNIPER COURT	NW	39	1	9
T	TELEPHONE AVENUE @ ORANGE BLOSSOM LANE	SE	40	1	9
U	VERNON AVENUE @ W. CARLTON STREET	NE, NW, SE, SW	41, 42, 43, 44	4	10
V	VERNON AVENUE @ CLAIR STREET	NW, SW	45 & 46	2	10
W	VERNON AVENUE @ MORGAN STREET	SW	47	1	11
X	WHITTIER COURT @ HUMBOLDT AVENUE	NE & SE	48 & 49	2	11
	CITY OF MONTCLAIR STREET LOCATION				
YA	ADA AVENUE @ W. STATE STREET	SW	50	1	11
YB	CLIFFWOOD DRIVE @ ADA AVENUE	NW & SW	51 & 52	2	12
YC	COLLEGE AVENUE @ HOWARD STREET	SE & SW	(53–NAP & 54–NAP)	0	12
YD	STAGECOACH AVENUE @ HOWARD STREET	NE & NW	(55–NAP & 56–NAP)	0	12

TOTAL: 50 RAMPS

BASIS OF COORDINATES

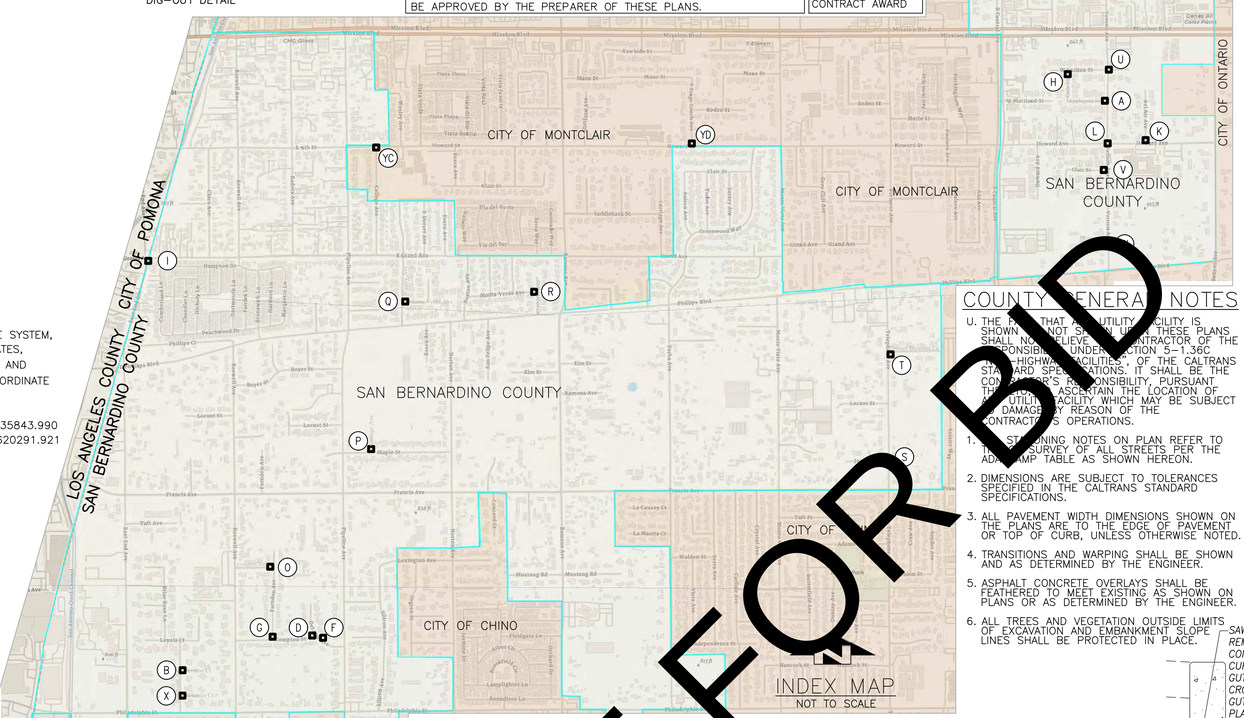
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 5, NORTH AMERICAN DATUM 1983 PROJECTED TO GROUND COORDINATES, CONSTRAINED TO "NGS" REFERENCE STATION(S) "FRANCIS" (PID EV3797) AND "COVINA K 9" (PID EV3829), ON THE 1991.35 EPOCH. THE PUBLISHED COORDINATE VALUES FOR THOSE STATIONS ARE BELOW:

"FRANCIS" NORTHING: 1837481.053 EASTING: 6667410.325
"COVINA K 9" NORTHING: 1835843.990 EASTING: 6620291.921

BENCHMARK

ELEVATIONS SHOWN HEREON ARE EXPRESSED IN US SURVEY FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND ARE DERIVED FROM GPS OBSERVATIONS MADE AT NATIONAL GEODETIC SURVEY (NGS) BENCHMARK STAMPED: "YLF 107" (PID AB8597) LOCATED WEST OF THE INTERSECTON OF PHILIPS BLVD AND S. WHITE AVE IN POMONA, CA.

THE PUBLISHED ELEVATION FOR BENCHMARK "YLF 107" IS 804.49 SFT.

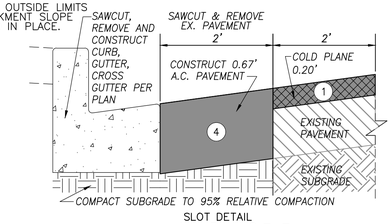


INDEX MAP
NOT TO SCALE

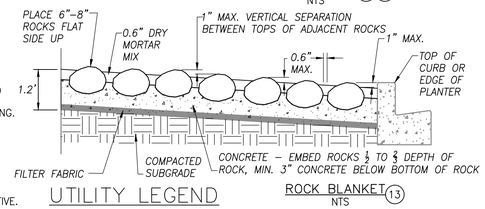
COUNTY GENERAL NOTES

U. THE FACT THAT A UTILITY FACILITY IS SHOWN OR NOT SHOWN ON THESE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY UNDER SECTION 5–1.36C "HIGHWAY FACILITIES" OF THE CALTRANS STANDARD SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, PURSUANT THERETO, TO ASCERTAIN THE LOCATION OF ANY UTILITY FACILITY WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF THE CONTRACTOR'S OPERATIONS.

1. STATIONING NOTES ON PLAN REFER TO THE ROAD SURVEY OF ALL STREETS PER THE ADA RAMP TABLE AS SHOWN HEREON.
2. DIMENSIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS STANDARD SPECIFICATIONS.
3. ALL PAVEMENT WIDTH DIMENSIONS SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT OR TOP OF CURB, UNLESS OTHERWISE NOTED.
4. TRANSITIONS AND WARPING SHALL BE SHOWN AND AS DETERMINED BY THE ENGINEER.
5. ASPHALT CONCRETE OVERLAYS SHALL BE FEATHERED TO MEET EXISTING AS SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER.
6. ALL TREES AND VEGETATION OUTSIDE LIMITS OF EXCAVATION AND EMBANKMENT SLOPE LINES SHALL BE PROTECTED IN PLACE.



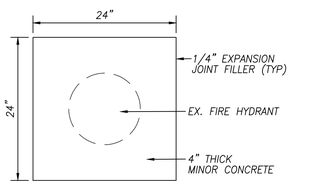
SLOT DETAIL
A.C. PAVING (2) (4)
NTS



ROCK BLANKET (13)
NTS

CONSTRUCTION NOTES

(U) UTILITIES TO BE RELOCATED AS NOTED ON PLANS. (SEE NOTE U. OF COUNTY GENERAL NOTES ON SHEET 2.)
(1) COLD PLANE (0.20' THICK) EXISTING ASPHALT CONCRETE PAVEMENT AND PLACE (0.20' THICK) ASPHALT CONCRETE OVERLAY, 2' WIDE MINIMUM.
(2) SAW CUT & REMOVE (0.67' THICK) EXISTING ASPHALT CONCRETE, 2' WIDE MINIMUM PER DETAIL ON SHEET 2.
(3) SAW CUT & REMOVE EXISTING CONCRETE.
(4) PLACE 0.67' ASPHALT CONCRETE HMA (TYPE A, 3/4–INCH AGGREGATE GRADATION, PG 64–10PM) OVER COMPACTED NATIVE SOIL PER DETAIL ON SHEET 2.
(5) CONSTRUCT 6" CURB & GUTTER PER COUNTY STD. 116.
(6) CONSTRUCT 8" CURB & GUTTER PER COUNTY STD. 115.
(7) CONSTRUCT SPANDREL AND/OR CROSS GUTTER PER COUNTY STD. 119.
(8) CONSTRUCT RAMP PER CALTRANS RSP A88A, CASE PER PLANS.
(9) PLACE 5'Wx3'D DETECTABLE WARNING SURFACE (DWS) PER CALTRANS RSP A88A.
(10) CONSTRUCT CONCRETE SIDEWALK PER COUNTY STANDARD 109 (MODIFIED).
(11) CONSTRUCT 5' MIN. SIDEWALK TRANSITION (1.5% TO EXISTING SLOPE).
(12) CONSTRUCT W=6" VARIABLE HEIGHT CONCRETE RETAINING CURB PER CALTRANS STANDARD A88A & A88B.
(13) CONSTRUCT LANDSCAPE ROCK BLANKET PER DETAIL ON SHEET 2.
(14) REMOVE & REPLACE EXIST. LOCAL DEPRESSION (TYPE A) PER COUNTY STD. 203B
(15) RESET ROADSIDE SIGN PER THE CALIFORNIA MUTCD 2014, FIGURES 2A–2(CA) AND COUNTY STANDARD PLANS 303a AND 303b.
(16) ADJUST TO GRADE EXISTING WATER VALVE.
(17) INSTALL 12" WIDE WHITE LIMIT LINE PER CALTRANS STD. PLAN NO. A24E.
(18) INSTALL CROSSWALK (TYPE/COLOR PER PLAN) PER CALTRANS STD. PLAN NO. A24F.
(19) CONSTRUCT 24" X 24" CONCRETE PAD PER DETAIL ON SHEET 2.
(20) PAINT CURB RED.
(21) INSTALL DETECTABLE WARNING PAVER TYPE PER CITY OF MONTCLAIR STD. A–80 AND ADA–2, 12" SQUARE PAVER (BY WASAU PAVING OR APPROVED EQUIVALENT).



24" x 24" CONCRETE PAD FOR FIRE HYDRANT (19)
NTS

COUNTY TRAFFIC CONTROL–GENERAL NOTES

NOTE 1: ALL SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.

NOTE 2: ALL STRIPING AND PAVEMENT MARKINGS SHALL BE PAINTED IN CONFORMANCE WITH THE CALTRANS 2018 STANDARD PLANS (DATED [illegible] 31, 20[illegible]).

NOTE 3: ALL STRIPING (LONG LINES) AND PAVEMENT MARKINGS SHALL BE RETROREFLECTIVE PAINT.

NOTE 4: ALL SIGNS SHALL BE OF HIGH INTENSITY (FHWA TYPE III/IV) RETROREFLECTIVE SHEETING EXCEPT:

- [illegible] SIGNS SHALL BE DIAMOND GRADE (FHWA TYPE VII IN RURAL SETTINGS AND TYPE IX IN URBAN SETTINGS) RETROREFLECTIVE SHEETING.
- "NO PARKING" SIGNS SHALL BE OF SUPER ENGINEERING GRADE (FHWA TYPE II) RETROREFLECTIVE SHEETING.
- SCHOOL SIGNS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) FLUORESCENT YELLOW–GREEN (FYG) RETROREFLECTIVE SHEETING.
- [illegible] MARKERS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) RETROREFLECTIVE SHEETING AND CONFORM TO COUNTY STANDARD 303.
- CONSTRUCTION SIGNS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) FLUORESCENT ORANGE RETROREFLECTIVE SHEETING.

NOTE 5: ALL DELINEATORS, CHANNELIZERS, AND OBJECT MARKERS SHALL BE OF FHWA TYPE VII RETROREFLECTIVE SHEETING.

NOTE 6: SIGNS SHALL BE MOUNTED ON METAL POSTS SIMILAR TO COUNTY STANDARDS 303(A) AND 303(B).

NOTE 7: ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS NOT SHOWN ON PLANS SHALL BE REMOVED BY THE CONTRACTOR. REMOVAL SHALL BE ACCOMPLISHED BY SANDBLASTING, GRINDING, OR AS DIRECTED BY COUNTY REPRESENTATIVE.

NOTE 8: ALL CONFLICTING SIGNS SHALL BE REMOVED, RELOCATED, OR COVERED BY THE CONTRACTOR. RELOCATABLE SIGNS SHALL BE INSTALLED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY COUNTY REPRESENTATIVE.

NOTE 9: ALL UNPROTECTED LOCATIONS RESULTING IN ISOLATED ABRUPT DEPRESSIONS OR ELEVATED OBJECTS (I.E. CATCH BASINS, HEADWALLS, POWER POLES, END TREATMENT OF ASPHALT DIKES AND CONCRETE CURBS) SHALL BE PROTECTED BY DELINEATORS OR BARRIERS PER THE CALIFORNIA MUTCD LATEST EDITION.

NOTE 10: ALL EXISTING SIGNING, STRIPING AND PAVEMENT MARKINGS (I.E. CROSS STREET STOP, STOP LIMIT LINE, AND CROSSWALK PAVEMENT MARKINGS) NOT SHOWN ON PLANS, IF REMOVED/OBLITERATED, SHALL BE REPLACED/RESTORED OF SAME KIND, AND IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.

NOTE 11: THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO SCHEDULE A FINAL REVIEW (WALK THROUGH) WITH TRAFFIC DIVISION PERSONNEL FOR APPROVAL OF TRAFFIC CONTROL DEVICES PRIOR TO PROJECT ACCEPTANCE.

UTILITY LEGEND

SEWER
WATER
OIL
ELECTRIC
STORM DRAIN
GAS
COMMUNICATIONS

CONSTRUCTION LEGEND

- ASPHALT CONCRETE PAVEMENT
- ASPHALT CONCRETE COLD PLANE
- PORTLAND CEMENT CONCRETE
- ROCK BLANKET TREATMENT

DISPOSITION NOTES

- P — PROTECT IN PLACE
- M — MATCH/JOIN EXISTING

Underground Service Alert
CALL BEFORE YOU DIG
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

PLANS PREPARED UNDER THE SUPERVISION OF:
NV5
WWW.NV5.COM
163 TECHNOLOGY DRIVE
SUITE 100 IRVINE, CA 92618
TEL. (949) 585–0477
6/5/23
DAVID NIKNAFS, P.E. C42697 — DATE

REGISTERED PROFESSIONAL ENGINEER — DAVID NIKNAFS — No. 42697 — CIVIL — STATE OF CALIFORNIA

MARK	CHANGES		
	NO CHANGES	RESIDENT ENGINEER	DATE

FIELD CHANGES

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:
AB/SN	AB/SN	DN

RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER — 6/27/2023 DATE
CARLOS SEANEZ, P.E. SUPERVISING ENGINEER — 6/27/2023 DATE
APPROVED BY: MERVAT N. MIKHAIL, P.E. DEPUTY DIRECTOR — 6/27/2023 DATE

CHINO/MONTCLAIR AREA ADA RAMPS

PROJECT NOTES, INDEX MAP, LEGENDS AND SHEET INDEX

SAN BERNARDINO COUNTY AND IN THE CITY OF MONTCLAIR

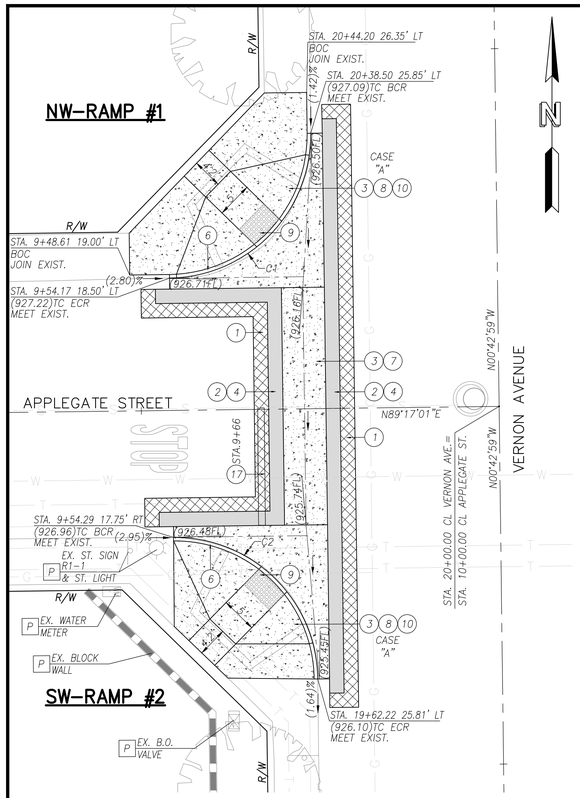
J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L. #D014	H15061	AS SHOWN	2	12

MARK	REVISIONS	APPR.	DATE

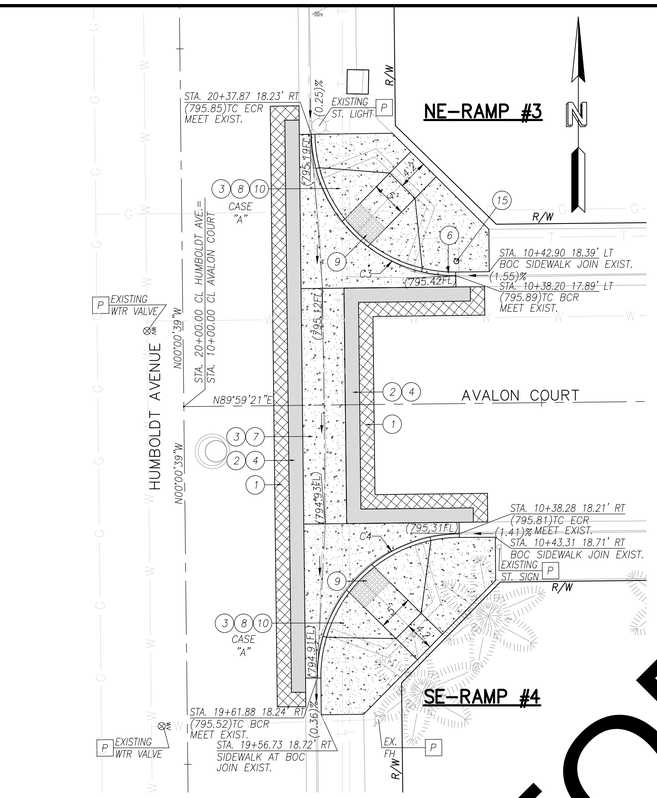
MARK	REVISIONS	APPR.	DATE

NOT FOR BID

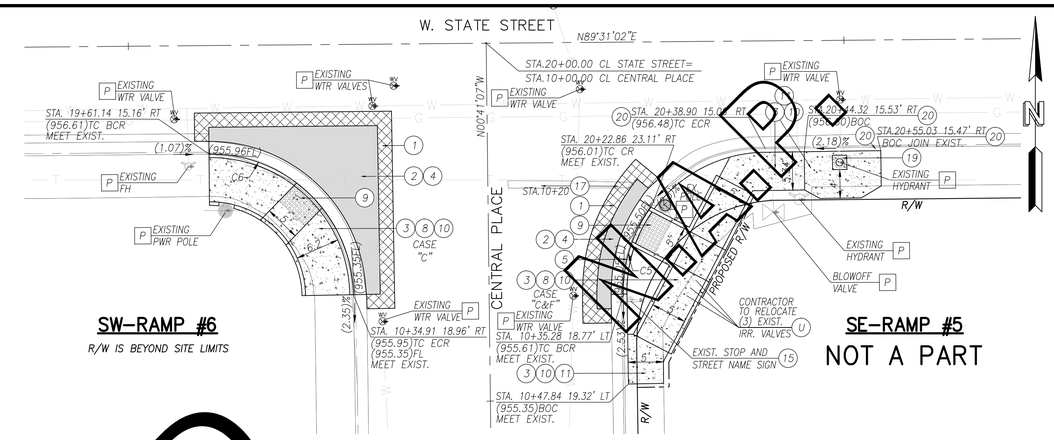
Z:\CS PROJECTS\San Bernardino COUNTY\ChinoMontclair Area ADA Ramps\PLANS\DWG\SHEET 02–NOTES–INDEX–LEGEND.dwg 06/06/23 11:41am



PLAN



PLAN



SW-RAMP #6

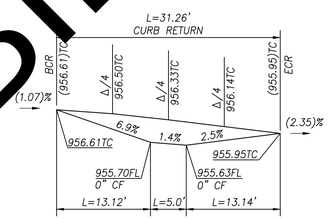
R/W IS BEYOND SITE LIMITS

PLAN

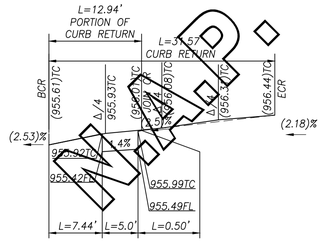
SE-RAMP #5

NOT A PART

PLAN



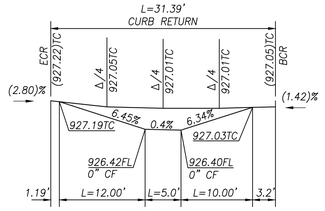
SW-RAMP #6
PROFILE



SE-RAMP #5
PROFILE

Ⓒ CENTRAL PLACE @ W. STATE STREET

SCALE: 1"=10'



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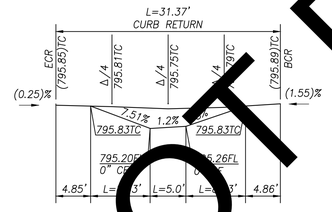

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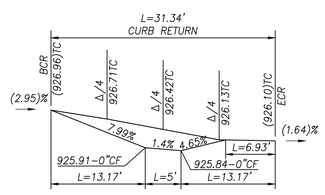
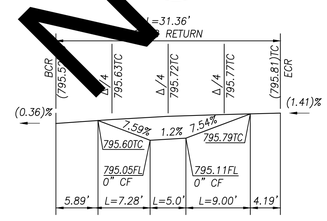


SW-RAMP #2
PROFILE



SE-RAMP #4
PROFILE

Ⓐ APPLEGATE STREET @ VERNON AVENUE

SCALE: 1"=10'

Ⓑ AVALON COURT @ HUMBOLDT AVENUE

SCALE: 1"=10'

CURVE DATA				
C#	LENGTH	RADIUS	DELTA	TANGENT
C1	31.39	20.00	89.93	19.98
C2	31.34	20.00	89.79	19.93
C3	31.37	20.00	89.86	19.95
C4	31.36	20.00	89.84	19.95
C5	12.96	20.00	37.12	6.72
C6	31.26	20.00	89.55	19.84

1. *ALL UTILITY LOCATIONS SHOWN ARE GENERAL LOCATIONS SUBJECT TO FIELD VERIFICATION.*
2. *THE FACT THAT ANY UTILITY FACILITY IS SHOWN OR NOT SHOWN UPON THESE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY UNDER SECTION 5-1.36C "NON-HIGHWAY FACILITIES," OF THE CALTRANS STANDARD SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, PURSUANT THERETO, TO ASCERTAIN THE LOCATION OF ANY UTILITY FACILITY WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF THE CONTRACTOR'S OPERATIONS.*

UTILITY LEGEND

- SEWER
- WATER
- OIL
- ELECTRIC
- STORM DRAIN
- GAS
- COMMUNICATIONS

CONSTRUCTION NOTES

- (U) UTILITIES TO BE RELOCATED AS NOTED ON PLANS. (SEE NOTE U. OF COUNTY GENERAL NOTES ON SHEET 2.)
- (1) COLD PLANE (0.20' THICK) EXISTING ASPHALT CONCRETE PAVEMENT AND PLACE (0.20' THICK) ASPHALT CONCRETE OVERLAY, 2' WIDE MINIMUM.
- (2) SAW CUT & REMOVE (0.67' THICK) EXISTING ASPHALT CONCRETE, 2' WIDE MINIMUM PER DETAIL ON SHEET 2.
- (3) SAW CUT & REMOVE EXISTING CONCRETE.
- (4) PLACE 0.67' ASPHALT CONCRETE HMA (TYPE A, 3/4-INCH AGGREGATE GRADATION, PG 64-10PM) OVER COMPACTED NATIVE SOIL PER DETAIL ON SHEET 2.
- (5) CONSTRUCT 6" CURB & GUTTER PER COUNTY STD. 116.
- (6) CONSTRUCT 8" CURB & GUTTER PER COUNTY STD. 115.
- (7) CONSTRUCT SPANDREL AND/OR CROSS GUTTER PER COUNTY STD. 119.
- (8) CONSTRUCT RAMP PER CALTRANS RSP A88A, CASE PER PLANS.
- (9) PLACE 5'Wx3'D DETECTABLE WARNING SURFACE (DWS) PER CALTRANS RSP A88A.
- (10) CONSTRUCT CONCRETE SIDEWALK PER COUNTY STANDARD 109 (MODIFIED).
- (11) CONSTRUCT 5' MIN. SIDEWALK TRANSITION (1.5% TO EXISTING SLOPE).
- (12) CONSTRUCT W=6" VARIABLE HEIGHT CONCRETE RETAINING CURB PER CALTRANS STANDARD A88A & A88B.
- (13) CONSTRUCT LANDSCAPE ROCK BLANKET PER DETAIL ON SHEET 2.
- (14) REMOVE & REPLACE EXIST. LOCAL DEPRESSION (TYPE A) PER COUNTY STD. 203B
- (15) RESET ROADSIDE SIGN PER THE CALIFORNIA MUTCD 2014, FIGURES 2A-2(CA) AND COUNTY STANDARD PLANS 303a AND 303b.
- (16) ADJUST TO GRADE EXISTING WATER VALVE.
- (17) INSTALL 12" WIDE WHITE LIMIT LINE PER CALTRANS STD. PLAN NO. A24E.
- (18) INSTALL CROSSWALK (TYPE/COLOR PER PLAN) PER CALTRANS STD. PLAN NO. A24F.
- (19) CONSTRUCT 24" X 24" CONCRETE PAD PER DETAIL ON SHEET 2.
- (20) PAINT CURB RED.
- (21) INSTALL DETECTABLE WARNING PAVER TYPE PER CITY OF MONTCLAIR STD. A-80 AND ADA-2, 12" SQUARE PAVER (BY WASAU PAVING OR APPROVED EQUIVALENT).

DISPOSITION NOTES

- (P) *PROTECT IN PLACE*
- (M) *MATCH/JOIN EXISTING*

CONSTRUCTION LEGEND

- *ASPHALT CONCRETE PAVEMENT*
- *ASPHALT CONCRETE COLD PLANE*
- *PORTLAND CEMENT CONCRETE*
- *ROCK BLANKET TREATMENT*

(A) – DENOTES RAMP LOCATION (TYP.). SEE SHEET 2.

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TWO WORKING DAYS BEFORE YOU DIG

PLANS PREPARED UNDER THE SUPERVISION OF:
NV5
WWW.NV5.COM
163 TECHNOLOGY DRIVE
SUITE 100 IRVINE, CA 92618
TEL (949) 585-0477
DAVID NIKNAFS, P.E. C42697 — 6/5/23 DATE

REGISTERED PROFESSIONAL ENGINEER
DAVID NIKNAFS
No. 42697
CIVIL
STATE OF CALIFORNIA

MARK	CHANGES		DATE
	NO CHANGES	RESIDENT ENGINEER	

FIELD CHANGES

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:
AB/SN	AB/SN	DN

RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER — 6/27/2023 DATE

CARLOS SEANEZ, P.E. SUPERVISING ENGINEER — 6/27/2023 DATE

APPROVED BY: MERVAT N. MIKHAIL, P.E. DEPUTY DIRECTOR — 6/272023 DATE

CHINO/MONTCLAIR AREA
ADA RAMPS

PLANS & PROFILES

SAN BERNARDINO COUNTY
AND IN THE CITY OF MONTCLAIR

J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L.#D014	H15061	AS SHOWN	3	12

NOT FOR BID

MARK	APPR.	DATE	REVISIONS

MARK	APPR.	DATE	REVISIONS

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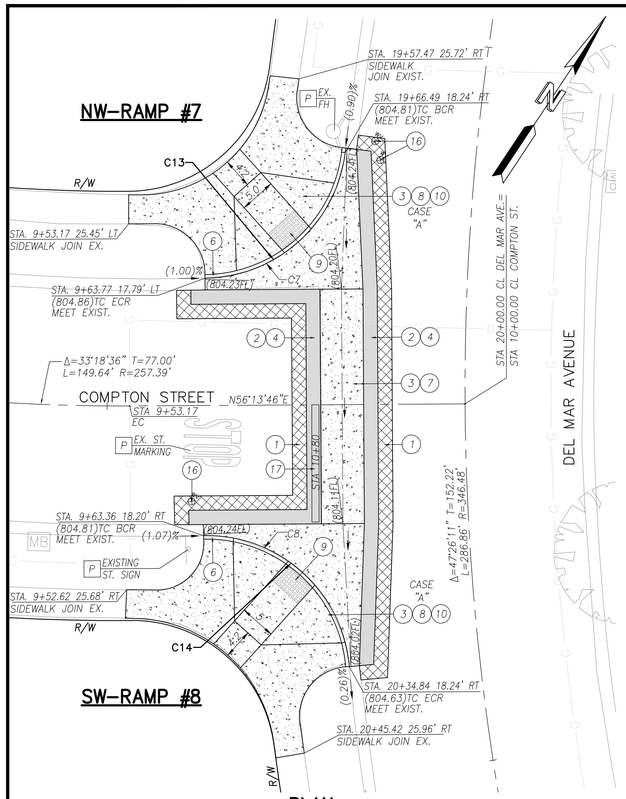

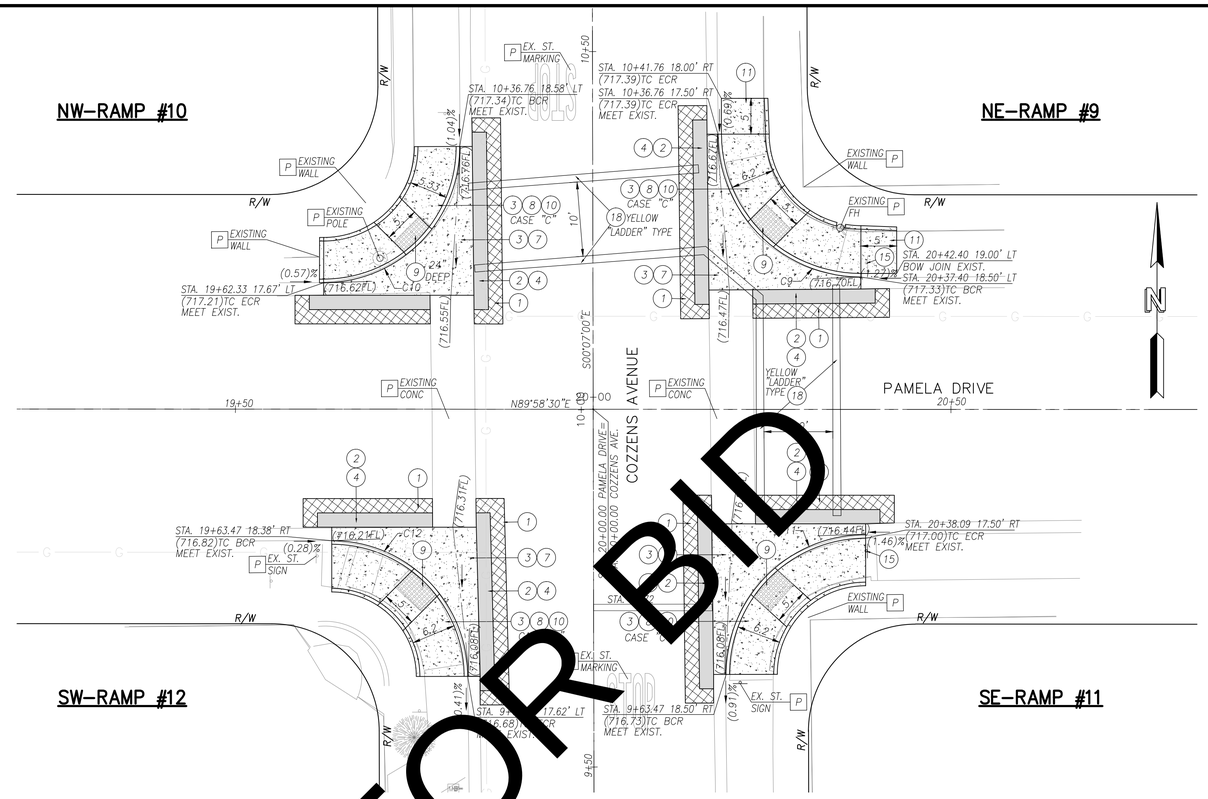

UTILITY LEGEND

- SEWER
- WATER
- OIL
- ELECTRIC
- STORM DRAIN
- GAS
- COMMUNICATIONS

1. ALL UTILITY LOCATIONS SHOWN ARE GENERAL LOCATIONS SUBJECT TO FIELD VERIFICATION.
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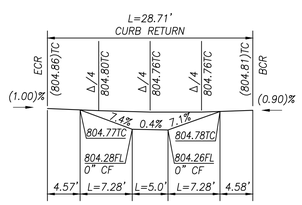
CURVE DATA

C#	LENGTH	RADIUS	DELTA	TANGENT	
C7	28.71	20.00	82.24	17.46	
C8	30.13	20.00	86.32	18.76	
C9	31.37	20.00	89.86	19.95	
*C10	29.89	19.00	90.14	19.05	*C10=19'R TO MATCH EXISTING. CONSTRAINED BY EX. POLE & WALLS.
*C11	30.68	19.50	90.14	19.55	*C11=19.5'R TO MATCH EXISTING. CONSTRAINED BY EX. WALL
*C12	29.80	19.00	89.86	18.95	*C12=19'R TO MATCH EXISTING. CONSTRAINED BY EX. TREE.



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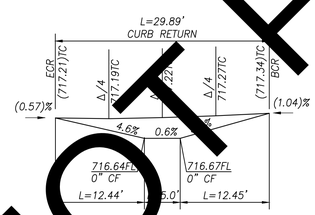

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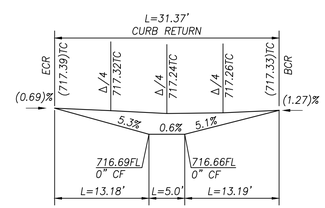

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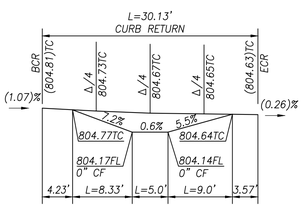

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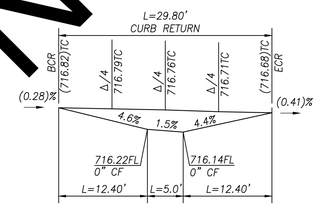
PROFILE



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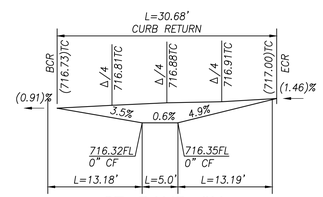

SE-RAMP #11
PROFILE

CONSTRUCTION NOTES

- (U) UTILITIES TO BE RELOCATED AS NOTED ON PLANS. (SEE NOTE U. OF COUNTY GENERAL NOTES ON SHEET 2.)
- (1) COLD PLANE (0.20' THICK) EXISTING ASPHALT CONCRETE PAVEMENT AND PLACE (0.20' THICK) ASPHALT CONCRETE OVERLAY, 2' WIDE MINIMUM.
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- (4) PLACE 0.67' ASPHALT CONCRETE HMA (TYPE A, 3/4-INCH AGGREGATE GRADATION, PG 64-10PM) OVER COMPACTED NATIVE SOIL PER DETAIL ON SHEET 2.
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(D) COMPTON STREET @ DEL MAR AVENUE
SCALE: 1"=10'

(E) COZZENS AVENUE @ PAMELA DRIVE
SCALE: 1"=10'

DISPOSITION NOTES

- (P) PROTECT IN PLACE
- (M) MATCH/JOIN EXISTING

CONSTRUCTION LEGEND

- ASPHALT CONCRETE PAVEMENT
- ASPHALT CONCRETE COLD PLANE
- PORTLAND CEMENT CONCRETE
- ROCK BLANKET TREATMENT

(A) - DENOTES RAMP LOCATION (TYP.). SEE SHEET 2.

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DAVID NIKNAFS, P.E. C42697 — 6/5/23 DATE

REGISTERED PROFESSIONAL ENGINEER
DAVID NIKNAFS
No. 42697
CIVIL
STATE OF CALIFORNIA

MARK	CHANGES		DATE
	NO CHANGES	RESIDENT ENGINEER	

FIELD CHANGES

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:
AB/SN	AB/SN	DN

RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER — 6/27/2023 DATE
CARLOS SEANEZ, P.E. SUPERVISING ENGINEER — 6/27/2023 DATE
APPROVED BY: MERVAT M. MIKHAIL, P.E. DEPUTY DIRECTOR — 6/27/2023 DATE

CHINO/MONTCLAIR AREA ADA RAMPS

PLANS & PROFILES

SAN BERNARDINO COUNTY AND IN THE CITY OF MONTCLAIR

J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L.#D014	H15061	AS SHOWN	4	12

MARK	DATE	APPR.	REVISIONS

MARK	DATE	APPR.	REVISIONS

NOT FOR BID

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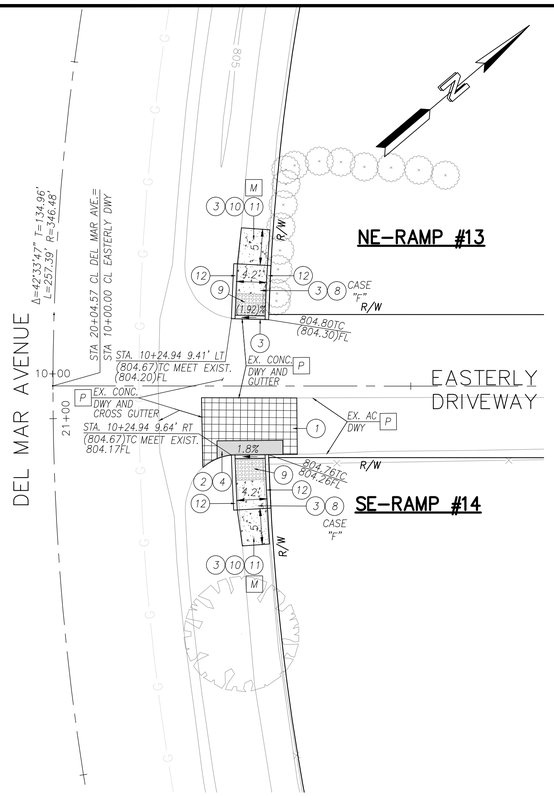

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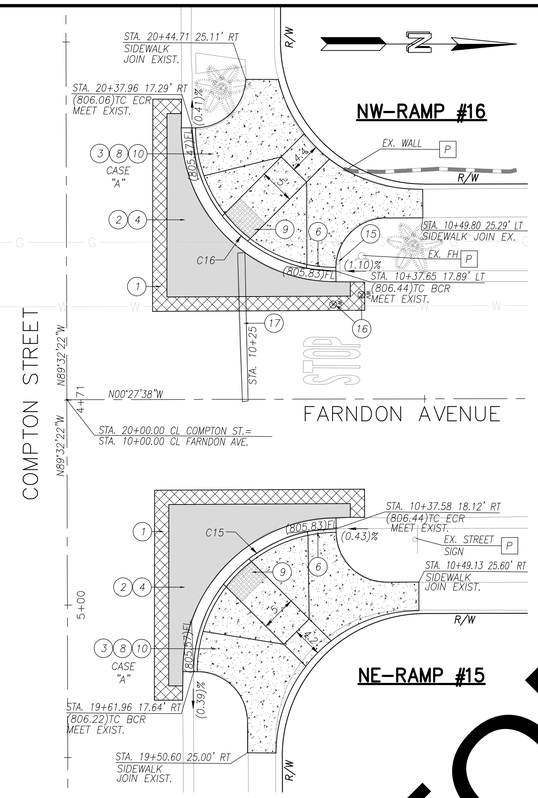
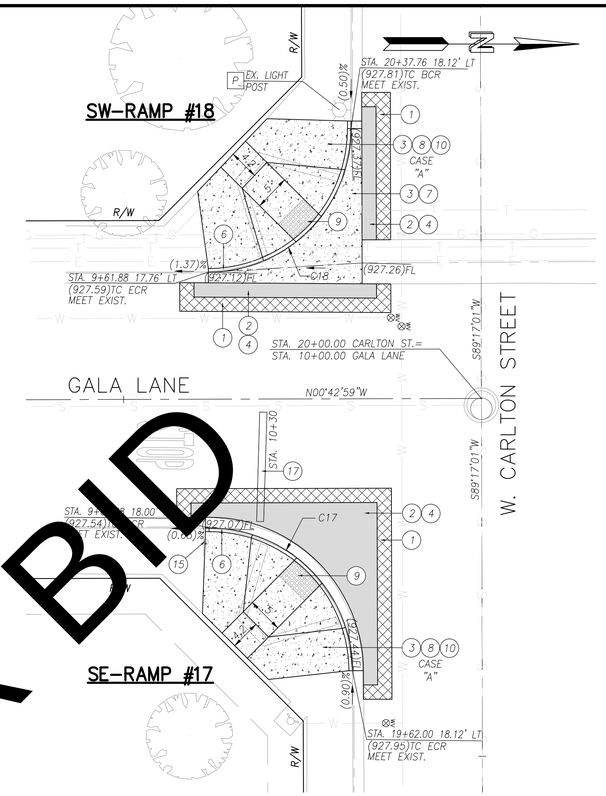


PLAN



PLAN

UTILITY LEGEND

SEWER
WATER
OIL
ELECTRIC
STORM DRAIN
GAS
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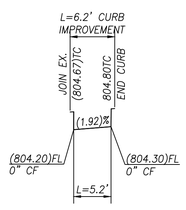
CURVE DATA

C#	LENGTH	RADIUS	DELTA	TANGENT
C15	31.29	20.00	89.64	19.88
C16	31.54	20.00	90.35	20.12
C17	31.42	20.00	90.00	20.00
C18	31.42	20.00	90.00	20.00



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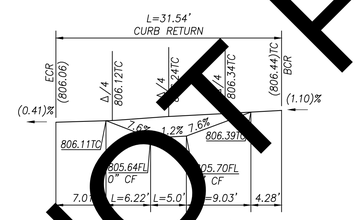

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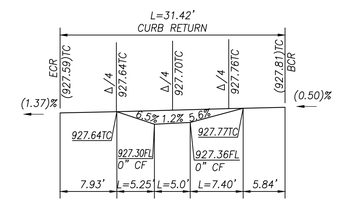

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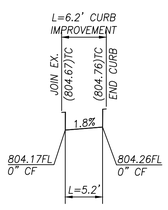
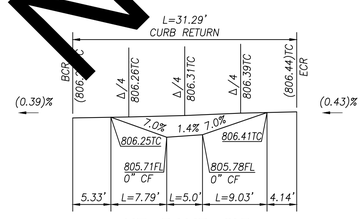


SW-RAMP #14

PROFILE

(F) DEL MAR AVENUE @ EASTERLY DRIVEWAY

SCALE: 1"=10'

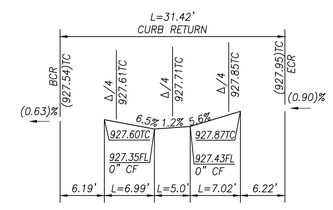


NE-RAMP #15

PROFILE

(G) FARNDON AVENUE @ COMPTON STREET

SCALE: 1"=10'



SE-RAMP #17

PROFILE

(H) GALA LANE @ CARLTON STREET

SCALE: 1"=10'

CONSTRUCTION NOTES

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(M) MATCH/JOIN EXISTING

CONSTRUCTION LEGEND

ASPHALT CONCRETE PAVEMENT

ASPHALT CONCRETE COLD PLANE

PORTLAND CEMENT CONCRETE

ROCK BLANKET TREATMENT

(A) - DENOTES RAMP LOCATION (TYP.). SEE SHEET 2.

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PLANS PREPARED UNDER THE SUPERVISION OF:

NV5

WWW.NV5.COM
163 TECHNOLOGY DRIVE
SUITE 100 IRVINE, CA 92618
TEL. (949) 585-0477

DAVID NIKNAFS, P.E. C42697 — 6/5/23 DATE

REGISTERED PROFESSIONAL ENGINEER — DAVID NIKNAFS — No. 42697 — CIVIL — STATE OF CALIFORNIA

MARK	CHANGES		DATE
	NO CHANGES	RESIDENT ENGINEER	

FIELD CHANGES

SAN BERNARDINO COUNTY

DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:
AB/SN	AB/SN	DN

RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER — 6/27/2023 DATE

CARLOS SEANEZ, P.E. SUPERVISING ENGINEER — 6/27/2023 DATE

APPROVED BY: MERVAT N. MIKHAIL, P.E. DEPUTY DIRECTOR — 6/27/2023 DATE

CHINO/MONTCLAIR AREA ADA RAMPS

PLANS & PROFILES

SAN BERNARDINO COUNTY AND IN THE CITY OF MONTCLAIR

J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L. #D014	H15061	AS SHOWN	5	12

MARK	REVISIONS	APPR.	DATE

MARK	REVISIONS	APPR.	DATE

NOT FOR BID

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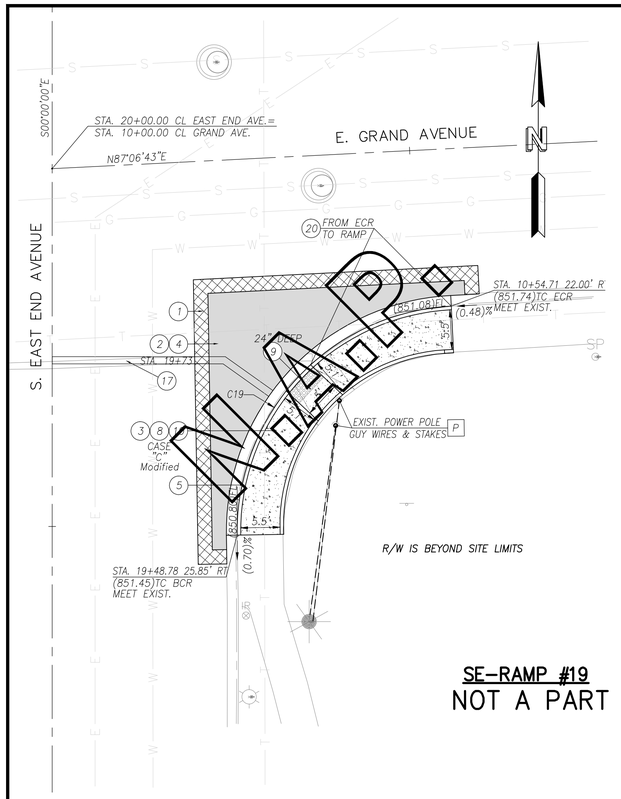

SE-RAMP #19
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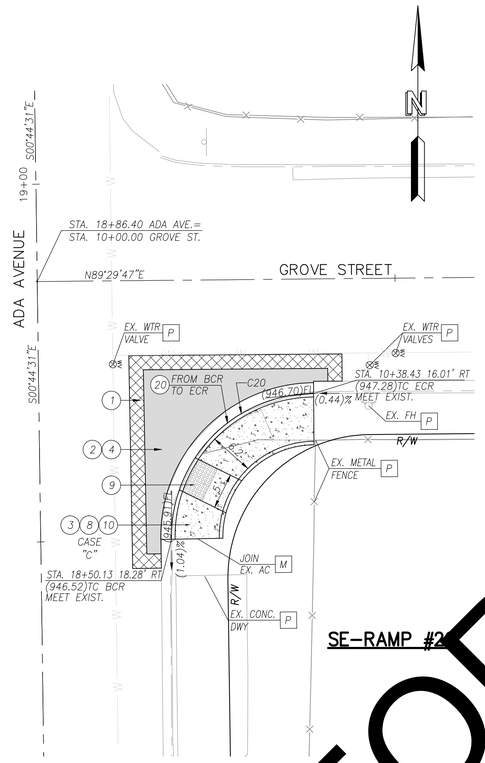
PLAN



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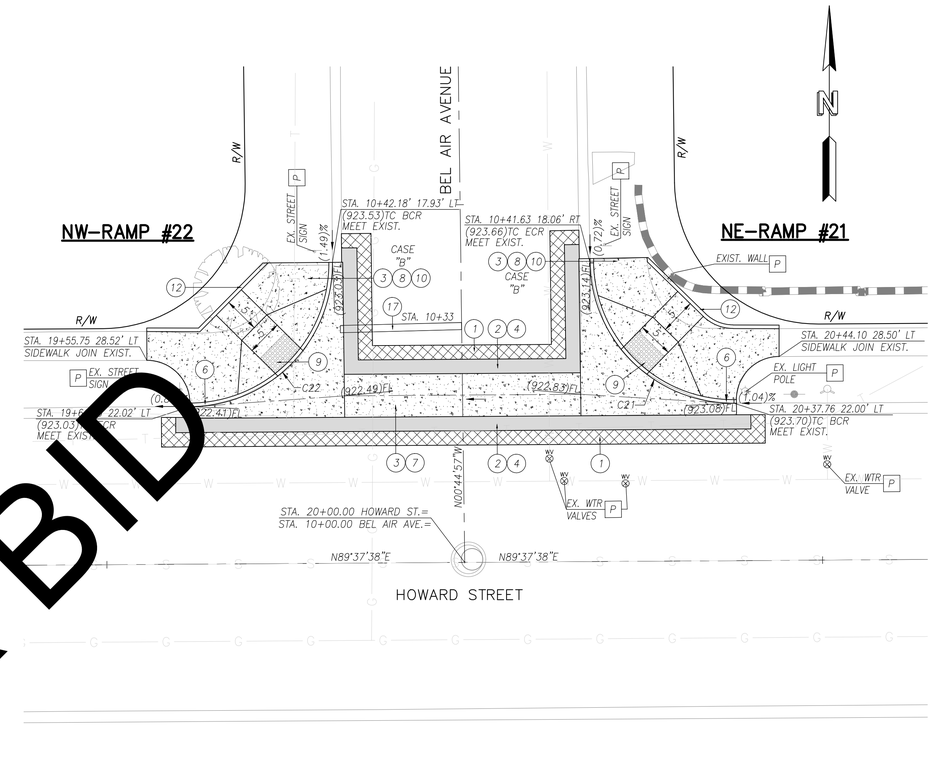
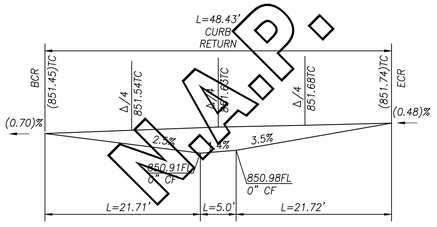
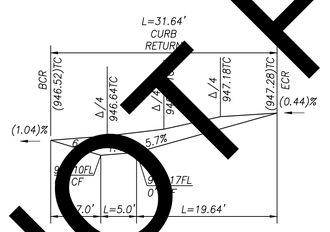


PLAN



SE-RAMP #19
PROFILE



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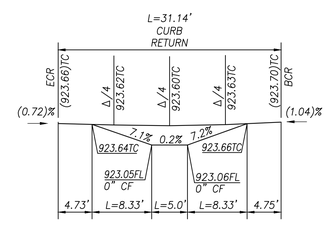

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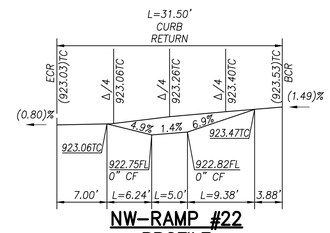

NW-RAMP #22
PROFILE

UTILITY LEGEND

- SEWER
- WATER
- OIL
- ELECTRIC
- STORM DRAIN
- GAS
- COMMUNICATIONS

1. ALL UTILITY LOCATIONS SHOWN ARE GENERAL LOCATIONS SUBJECT TO FIELD VERIFICATION.
2. THE FACT THAT ANY UTILITY FACILITY IS SHOWN OR NOT SHOWN UPON THESE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY UNDER SECTION 5-1.36C "NON-HIGHWAY FACILITIES", OF THE CALTRANS STANDARD SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, PURSUANT THERETO, TO ASCERTAIN THE LOCATION OF ANY UTILITY FACILITY WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF THE CONTRACTOR'S OPERATIONS.

CURVE DATA

C#	LENGTH	RADIUS	DELTA	TANGENT
C19	48.43	31.50	88.09	30.47
C20	31.64	20.00	90.63	20.22
C21	31.14	20.00	89.21	19.72
C22	31.50	20.00	90.24	20.08

CONSTRUCTION NOTES

- (U) UTILITIES TO BE RELOCATED AS NOTED ON PLANS. (SEE NOTE U. OF COUNTY GENERAL NOTES ON SHEET 2.)
- (1) COLD PLANE (0.20' THICK) EXISTING ASPHALT CONCRETE PAVEMENT AND PLACE (0.20' THICK) ASPHALT CONCRETE OVERLAY, 2' WIDE MINIMUM.
- (2) SAW CUT & REMOVE (0.67' THICK) EXISTING ASPHALT CONCRETE, 2' WIDE MINIMUM PER DETAIL ON SHEET 2.
- (3) SAW CUT & REMOVE EXISTING CONCRETE.
- (4) PLACE 0.67' ASPHALT CONCRETE HMA (TYPE A, 3/4-INCH AGGREGATE GRADATION, PG 64-10PM) OVER COMPACTED NATIVE SOIL PER DETAIL ON SHEET 2.
- (5) CONSTRUCT 6" CURB & GUTTER PER COUNTY STD. 116.
- (6) CONSTRUCT 8" CURB & GUTTER PER COUNTY STD. 115.
- (7) CONSTRUCT SPANDREL AND/OR CROSS GUTTER PER COUNTY STD. 119.
- (8) CONSTRUCT RAMP PER CALTRANS RSP A88A, CASE PER PLANS.
- (9) PLACE 5'Wx3'D DETECTABLE WARNING SURFACE (DWS) PER CALTRANS RSP A88A.
- (10) CONSTRUCT CONCRETE SIDEWALK PER COUNTY STANDARD 109 (MODIFIED).
- (11) CONSTRUCT 5' MIN. SIDEWALK TRANSITION (1.5% TO EXISTING SLOPE).
- (12) CONSTRUCT W=6" VARIABLE HEIGHT CONCRETE RETAINING CURB PER CALTRANS STANDARD A88A & A88B.
- (13) CONSTRUCT LANDSCAPE ROCK BLANKET PER DETAIL ON SHEET 2.
- (14) REMOVE & REPLACE EXIST. LOCAL DEPRESSION (TYPE A) PER COUNTY STD. 203B
- (15) RESET ROADSIDE SIGN PER THE CALIFORNIA MUTCD 2014, FIGURES 2A-2(CA) AND COUNTY STANDARD PLANS 303a AND 303b.
- (16) ADJUST TO GRADE EXISTING WATER VALVE.
- (17) INSTALL 12" WIDE WHITE LIMIT LINE PER CALTRANS STD. PLAN NO. A24E.
- (18) INSTALL CROSSWALK (TYPE/COLOR PER PLAN) PER CALTRANS STD. PLAN NO. A24F.
- (19) CONSTRUCT 24" X 24" CONCRETE PAD PER DETAIL ON SHEET 2.
- (20) PAINT CURB RED.
- (21) INSTALL DETECTABLE WARNING PAVER TYPE PER CITY OF MONTCLAIR STD. A-80 AND ADA-2, 12" SQUARE PAVER (BY WASAU PAVING OR APPROVED EQUIVALENT).

(I) E. GRAND AVENUE @ S. EAST END AVENUE
SCALE: 1"=10'

(J) GROVE STREET @ ADA AVENUE
SCALE: 1"=10'

(K) HOWARD STREET @ BEL AIR AVENUE
SCALE: 1"=10'

DISPOSITION NOTES

- (P) PROTECT IN PLACE
- (M) MATCH/JOIN EXISTING

CONSTRUCTION LEGEND

- ASPHALT CONCRETE PAVEMENT
- ASPHALT CONCRETE COLD PLANE
- PORTLAND CEMENT CONCRETE
- ROCK BLANKET TREATMENT

(A) - DENOTES RAMP LOCATION (TYP.). SEE SHEET 2.

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TEL. (949) 585-0477
DAVID NIKNAFS, P.E. C42697 — 6/5/23 DATE

REGISTERED PROFESSIONAL ENGINEER — DAVID NIKNAFS — No. 42697 — CIVIL — STATE OF CALIFORNIA

MARK	CHANGES		DATE
	NO CHANGES	RESIDENT ENGINEER	

FIELD CHANGES

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:
AB/SN	AB/SN	DN

RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER — 6/27/2023 DATE
CARLOS SEANEZ, P.E. SUPERVISING ENGINEER — 6/27/2023 DATE
APPROVED BY: MERYAT N. MIKHAIL, P.E. DEPUTY DIRECTOR — 6/27/2023 DATE

CHINO/MONTCLAIR AREA ADA RAMPS
PLANS & PROFILES
SAN BERNARDINO COUNTY AND IN THE CITY OF MONTCLAIR

J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L. #D014	H15061	AS SHOWN	6	12

MARK	DESCRIPTION	APPR.	DATE

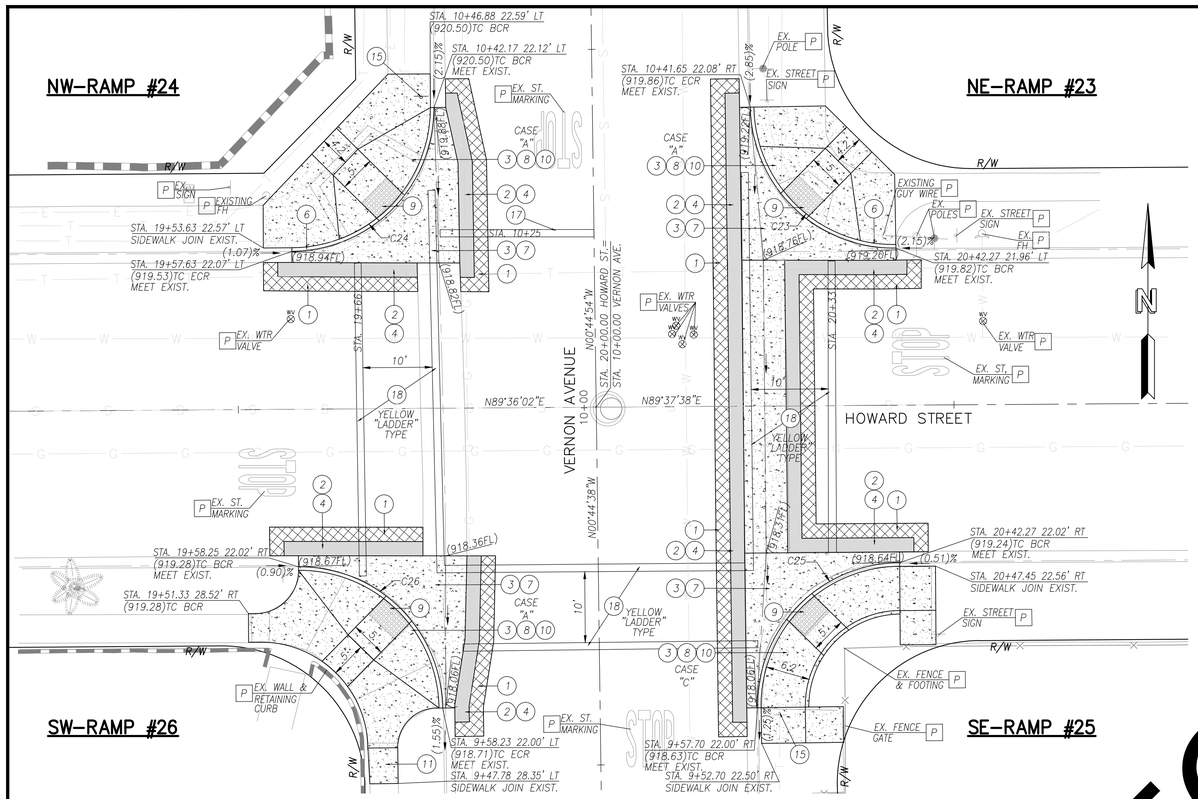
REVISIONS

MARK	DESCRIPTION	APPR.	DATE

REVISIONS

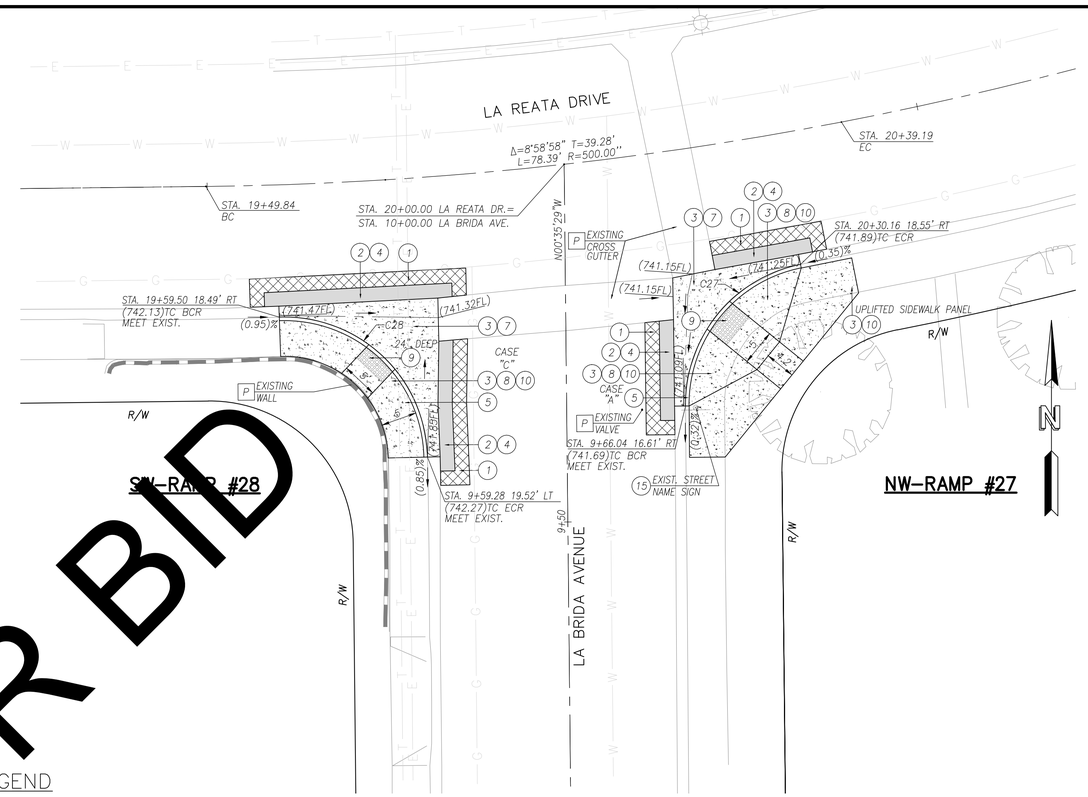
NOT FOR BID

Z:\CS PROJECTS\San Bernardino COUNTY\ChinoMontclair Area ADA Ramps\PLANS\DWG\SHEET 06-PLANS & PROFILES IJK.dwg 06/06/23 11:11am



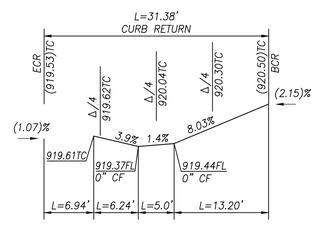
PLAN

PLAN



PLAN

PLAN



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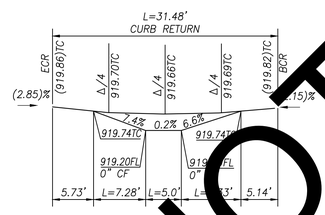

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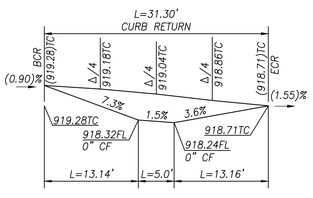
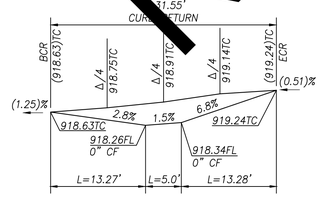


SW-RAMP #26

PROFILE



SE-RAMP #25

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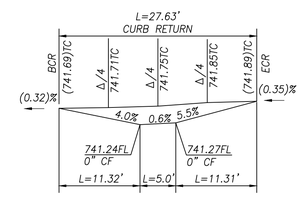

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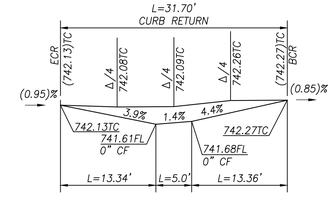

SW-RAMP #28

PROFILE

UTILITY LEGEND

SEWER
WATER
OIL
ELECTRIC
STORM DRAIN
GAS
COMMUNICATIONS

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CURVE DATA

C#	LENGTH	RADIUS	DELTA	TANGENT
C23	31.48	20.00	90.17	20.06
C24	31.38	20.00	89.89	19.96
C25	31.54	20.00	90.36	20.13
C26	31.30	20.00	89.66	19.88
C27	27.63	20.00	79.16	16.53
C28	31.70	20.00	90.81	20.28

CONSTRUCTION NOTES

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(1) COLD PLANE (0.20' THICK) EXISTING ASPHALT CONCRETE PAVEMENT AND PLACE (0.20' THICK) ASPHALT CONCRETE OVERLAY, 2' WIDE MINIMUM.

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(3) SAW CUT & REMOVE EXISTING CONCRETE.

(4) PLACE 0.67' ASPHALT CONCRETE HMA (TYPE A, 3/4-INCH AGGREGATE GRADATION, PG 64-10PM) OVER COMPACTED NATIVE SOIL PER DETAIL ON SHEET 2.

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(8) CONSTRUCT RAMP PER CALTRANS RSP A88A, CASE PER PLANS.

(9) PLACE 5'Wx3'D DETECTABLE WARNING SURFACE (DWS) PER CALTRANS RSP A88A.

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(12) CONSTRUCT W=6" VARIABLE HEIGHT CONCRETE RETAINING CURB PER CALTRANS STANDARD A88A & A88B.

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(17) INSTALL 12" WIDE WHITE LIMIT LINE PER CALTRANS STD. PLAN NO. A24E.

(18) INSTALL CROSSWALK (TYPE/COLOR PER PLAN) PER CALTRANS STD. PLAN NO. A24F.

(19) CONSTRUCT 24" X 24" CONCRETE PAD PER DETAIL ON SHEET 2.

(20) PAINT CURB RED.

(21) INSTALL DETECTABLE WARNING PAVER TYPE PER CITY OF MONTCLAIR STD. A-80 AND ADA-2, 12" SQUARE PAVER (BY WASAU PAVING OR APPROVED EQUIVALENT).

(L) HOWARD STREET @ VERNON AVENUE
SCALE: 1"=10'

(M) LA BRIDA AVENUE @ LA REATA DRIVE
SCALE: 1"=10'

DISPOSITION NOTES

(P) PROTECT IN PLACE
(M) MATCH/JOIN EXISTING

CONSTRUCTION LEGEND

ASPHALT CONCRETE PAVEMENT
ASPHALT CONCRETE COLD PLANE
PORTLAND CEMENT CONCRETE
ROCK BLANKET TREATMENT

(A) - DENOTES RAMP LOCATION (TYP.). SEE SHEET 2.

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DAVID NIKNAFS, P.E. C42697 — 6/5/23 DATE

REGISTERED PROFESSIONAL ENGINEER — DAVID NIKNAFS — No. 42697 — CIVIL — STATE OF CALIFORNIA

MARK	CHANGES		DATE
	NO CHANGES	RESIDENT ENGINEER	

FIELD CHANGES

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:
AB/SN	AB/SN	DN

RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER — 6/27/2023 DATE

CARLOS SEANEZ, P.E. SUPERVISING ENGINEER — 6/27/2023 DATE

APPROVED BY: MERVAT N. MIKHAIL, P.E. DEPUTY DIRECTOR — DATE

CHINO/MONTCLAIR AREA ADA RAMPS

PLANS & PROFILES

SAN BERNARDINO COUNTY AND IN THE CITY OF MONTCLAIR

J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L.#D014	H15061	AS SHOWN	7	12

MARK	DATE	APPR.	REVISIONS

MARK	DATE	APPR.	REVISIONS

NOT FOR BID

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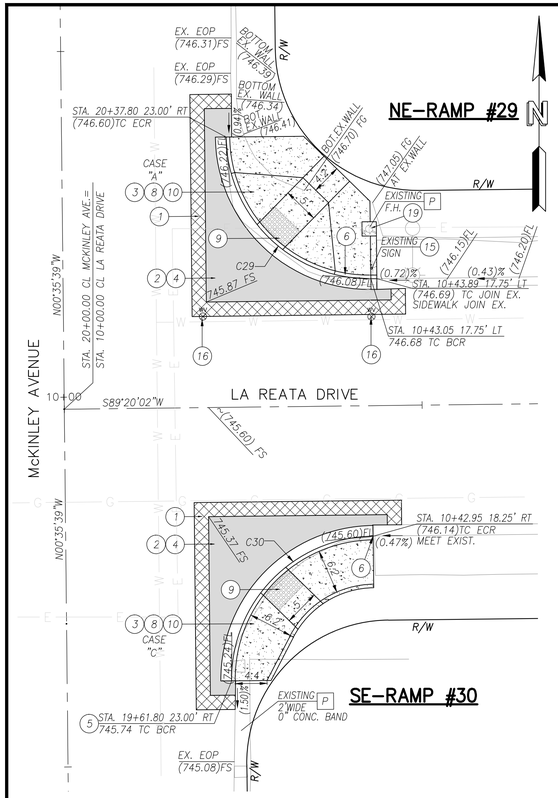

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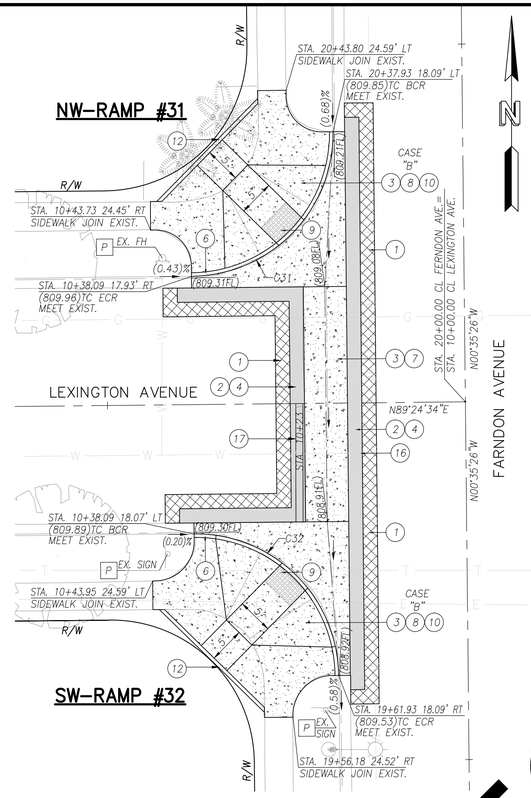

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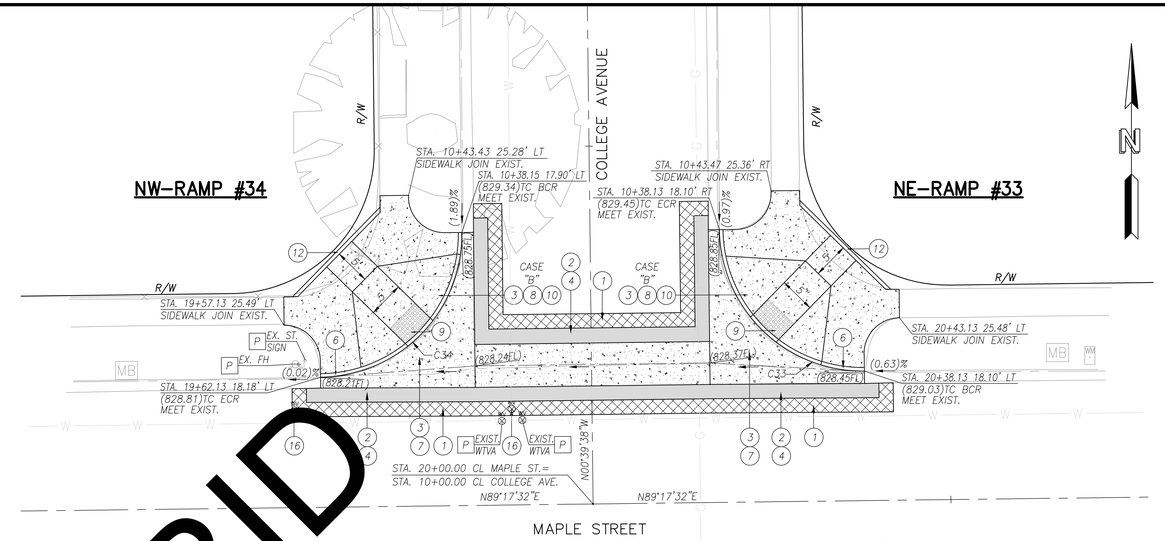

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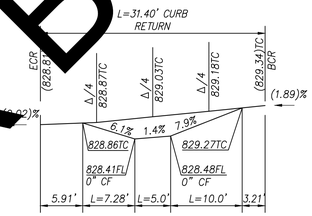
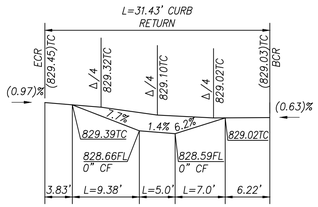
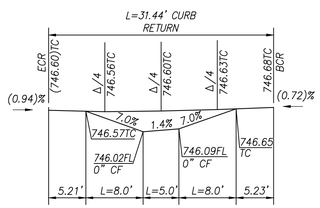


NW-RAMP #34
PROFILE



NE-RAMP #33
PROFILE

(P) MAPLE STREET @ COLLEGE AVENUE
SCALE: 1"=10'



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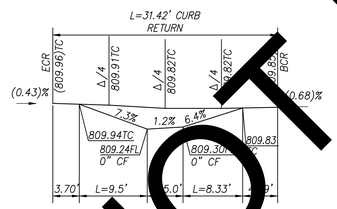

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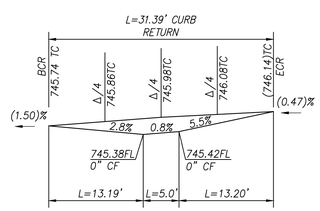
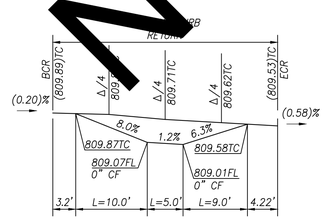


SE-RAMP #30
PROFILE



SW-RAMP #32
PROFILE

(N) LA REATA DRIVE @ McKINLEY AVENUE
SCALE: 1"=10'

(O) LEXINGTON AVENUE @ FARNDON AVENUE
SCALE: 1"=10'

UTILITY LEGEND

- SEWER
- WATER
- OIL
- ELECTRIC
- STORM DRAIN
- GAS
- COMMUNICATIONS

1. *ALL UTILITY LOCATIONS SHOWN ARE GENERAL LOCATIONS SUBJECT TO FIELD VERIFICATION.*
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CURVE DATA				
C#	LENGTH	RADIUS	DELTA	TANGENT
C29	31.44	20.00	90.07	20.03
C30	31.39	20.00	89.93	19.97
C31	31.42	20.00	90.00	20.00
C32	31.42	20.00	90.00	20.00
C33	31.43	20.00	90.05	20.02
C34	31.40	20.00	89.95	19.98

CONSTRUCTION NOTES

(U) UTILITIES TO BE RELOCATED AS NOTED ON PLANS. (SEE NOTE U. OF COUNTY GENERAL NOTES ON SHEET 2.)

(1) COLD PLANE (0.20' THICK) EXISTING ASPHALT CONCRETE PAVEMENT AND PLACE (0.20' THICK) ASPHALT CONCRETE OVERLAY, 2' WIDE MINIMUM.

(2) SAW CUT & REMOVE (0.67' THICK) EXISTING ASPHALT CONCRETE, 2' WIDE MINIMUM PER DETAIL ON SHEET 2.

(3) SAW CUT & REMOVE EXISTING CONCRETE.

(4) PLACE 0.67' ASPHALT CONCRETE HMA (TYPE A, 3/4-INCH AGGREGATE GRADATION, PG 64-10PM) OVER COMPACTED NATIVE SOIL PER DETAIL ON SHEET 2.

(5) CONSTRUCT 6" CURB & GUTTER PER COUNTY STD. 116.

(6) CONSTRUCT 8" CURB & GUTTER PER COUNTY STD. 115.

(7) CONSTRUCT SPANDREL AND/OR CROSS GUTTER PER COUNTY STD. 119.

(8) CONSTRUCT RAMP PER CALTRANS RSP A88A, CASE PER PLANS.

(9) PLACE 5'Wx3'D DETECTABLE WARNING SURFACE (DWS) PER CALTRANS RSP A88A.

(10) CONSTRUCT CONCRETE SIDEWALK PER COUNTY STANDARD 109 (MODIFIED).

(11) CONSTRUCT 5' MIN. SIDEWALK TRANSITION (1.5% TO EXISTING SLOPE).

(12) CONSTRUCT W=6" VARIABLE HEIGHT CONCRETE RETAINING CURB PER CALTRANS STANDARD A88A & A88B.

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(16) ADJUST TO GRADE EXISTING WATER VALVE.

(17) INSTALL 12" WIDE WHITE LIMIT LINE PER CALTRANS STD. PLAN NO. A24E.

(18) INSTALL CROSSWALK (TYPE/COLOR PER PLAN) PER CALTRANS STD. PLAN NO. A24F.

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(20) PAINT CURB RED.

(21) INSTALL DETECTABLE WARNING PAVER TYPE PER CITY OF MONTCLAIR STD. A-80 AND ADA-2, 12" SQUARE PAVER (BY WASAU PAVING OR APPROVED EQUIVALENT).

DISPOSITION NOTES

- (P) *PROTECT IN PLACE*
- (M) *MATCH/JOIN EXISTING*

CONSTRUCTION LEGEND

- *ASPHALT CONCRETE PAVEMENT*
- *ASPHALT CONCRETE COLD PLANE*
- *PORTLAND CEMENT CONCRETE*
- *ROCK BLANKET TREATMENT*

(A) – DENOTES RAMP LOCATION (TYP.). SEE SHEET 2.

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DAVID NIKNAFS, P.E. C42697 — 6/5/23 DATE

REGISTERED PROFESSIONAL ENGINEER — DAVID NIKNAFS — No. 42697 — CIVIL — STATE OF CALIFORNIA

MARK	CHANGES		DATE
	NO CHANGES	RESIDENT ENGINEER	

FIELD CHANGES

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:
AB/SN	AB/SN	DN

RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER — 6/27/2023 DATE
APPROVED BY: MERVAT M. MIKHAIL, P.E. DEPUTY DIRECTOR — 6/27/2023 DATE
CARLOS SEANEZ, P.E. SUPERVISING ENGINEER — 6/27/2023 DATE

CHINO/MONTCLAIR AREA ADA RAMPS

PLANS & PROFILES

SAN BERNARDINO COUNTY AND IN THE CITY OF MONTCLAIR

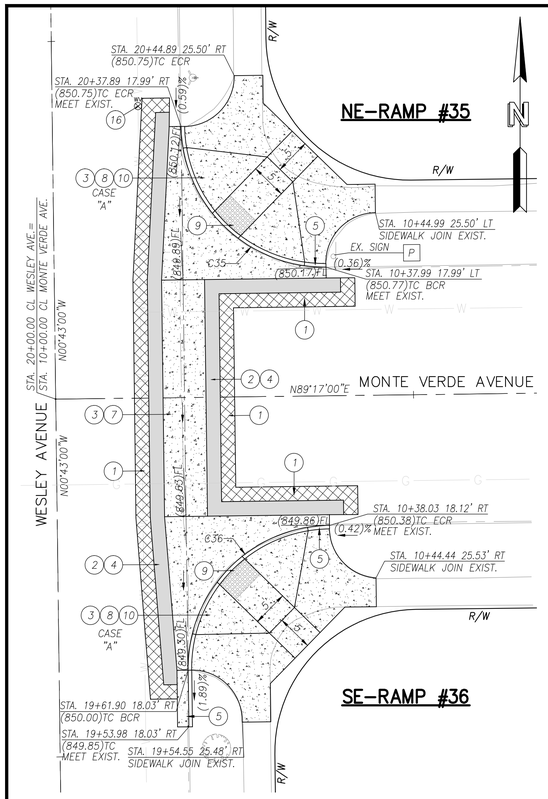
J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L.#D014	H15061	AS SHOWN	8	12

MARK	REVISIONS	APPR.	DATE

MARK	REVISIONS	APPR.	DATE

NOT FOR BID

Z:\CS PROJECTS\San Bernardino COUNTY\ChinoMontclair Area ADA Ramps\PLANS\DWG\SHEET 08-PLANS & PROFILES NOP.dwg 06/07/23 11:32am



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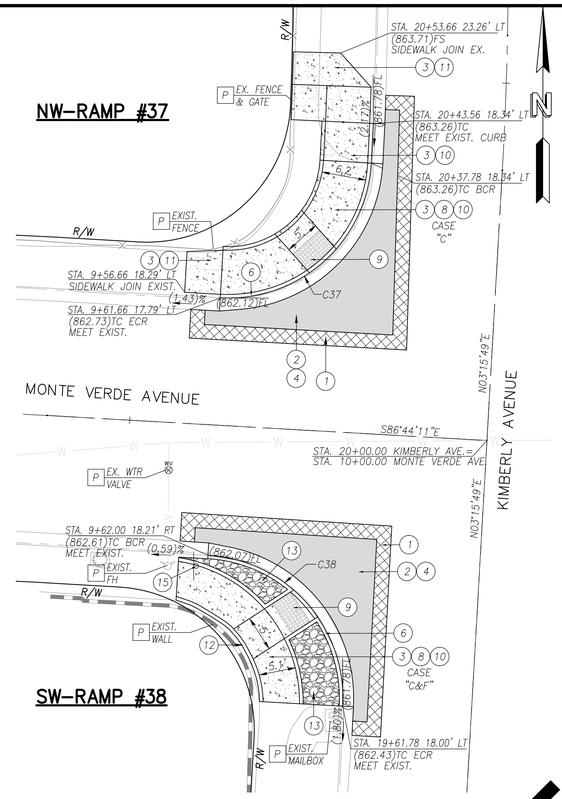

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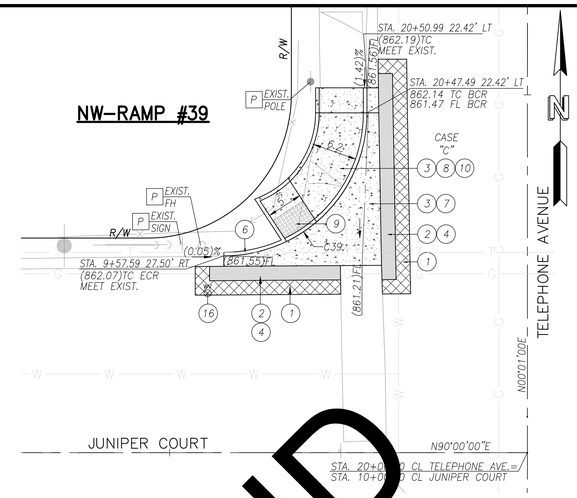

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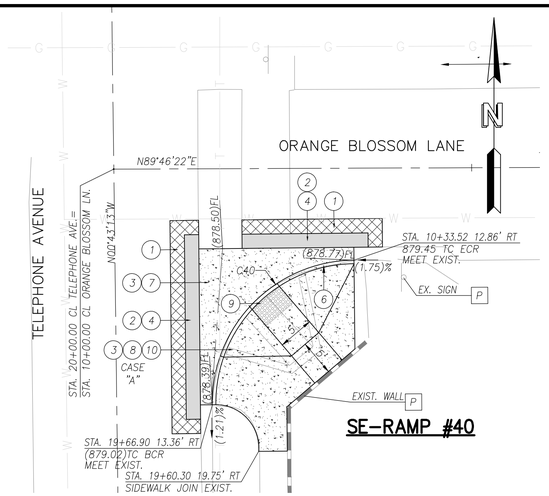

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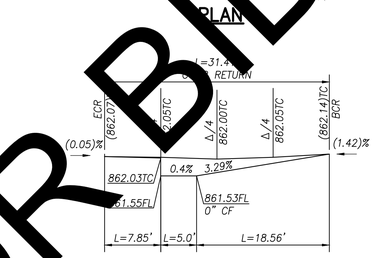
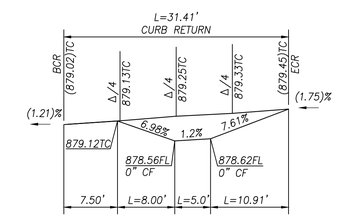


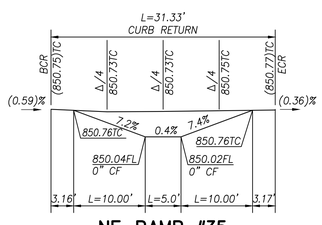
NW-RAMP #39
PROFILE

S TELEPHONE AVENUE @ JUNIPER COURT
SCALE: 1"=10'



SE-RAMP #40
PROFILE

T TELEPHONE AVE @ ORANGE BLOSSOM LANE
SCALE: 1"=10'



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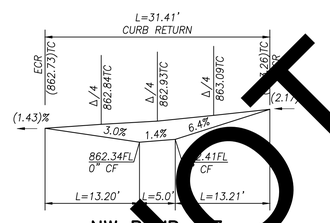

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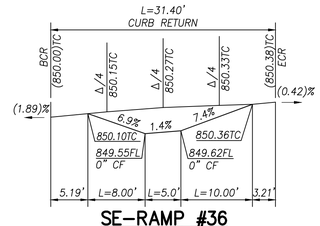
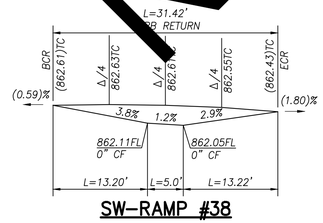


SE-RAMP #36
PROFILE

Q MONTE VERDE AVENUE @ WESLEY AVENUE
SCALE: 1"=10'



SW-RAMP #38
PROFILE

R MONTE VERDE AVENUE @ KIMBERLY AVENUE
SCALE: 1"=10'

UTILITY LEGEND

SEWER
WATER
OIL
ELECTRIC
STORM DRAIN
GAS
COMMUNICATIONS

1. *ALL UTILITY LOCATIONS SHOWN ARE GENERAL LOCATIONS SUBJECT TO FIELD VERIFICATION.*
2. *THE FACT THAT ANY UTILITY FACILITY IS SHOWN OR NOT SHOWN UPON THESE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY UNDER SECTION 5-1.36C "NON-HIGHWAY FACILITIES", OF THE CALTRANS STANDARD SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, PURSUANT THERETO, TO ASCERTAIN THE LOCATION OF ANY UTILITY FACILITY WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF THE CONTRACTOR'S OPERATIONS.*

CURVE DATA

C#	LENGTH	RADIUS	DELTA	TANGENT
C35	31.33	20.00	89.74	19.91
C36	31.40	20.00	89.94	19.98
C37	31.41	20.00	90.00	20.00
C38	31.42	20.00	90.00	20.00
C39	31.41	20.00	89.98	19.99
C40	31.41	20.00	89.98	19.99

CONSTRUCTION NOTES

U. UTILITIES TO BE RELOCATED AS NOTED ON PLANS. (SEE NOTE U. OF COUNTY GENERAL NOTES ON SHEET 2.)
1. COLD PLANE (0.20' THICK) EXISTING ASPHALT CONCRETE PAVEMENT AND PLACE (0.20' THICK) ASPHALT CONCRETE OVERLAY, 2' WIDE MINIMUM.
2. SAW CUT & REMOVE (0.67' THICK) EXISTING ASPHALT CONCRETE, 2' WIDE MINIMUM PER DETAIL ON SHEET 2.
3. SAW CUT & REMOVE EXISTING CONCRETE.
4. PLACE 0.67' ASPHALT CONCRETE HMA (TYPE A, 3/4-INCH AGGREGATE GRADATION, PG 64-10PM) OVER COMPACTED NATIVE SOIL PER DETAIL ON SHEET 2.
5. CONSTRUCT 6" CURB & GUTTER PER COUNTY STD. 116.
6. CONSTRUCT 8" CURB & GUTTER PER COUNTY STD. 115.
7. CONSTRUCT SPANDREL AND/OR CROSS GUTTER PER COUNTY STD. 119.
8. CONSTRUCT RAMP PER CALTRANS RSP A88A, CASE PER PLANS.
9. PLACE 5'Wx3'D DETECTABLE WARNING SURFACE (DWS) PER CALTRANS RSP A88A.
10. CONSTRUCT CONCRETE SIDEWALK PER COUNTY STANDARD 109 (MODIFIED).
11. CONSTRUCT 5' MIN. SIDEWALK TRANSITION (1.5% TO EXISTING SLOPE).
12. CONSTRUCT W=6" VARIABLE HEIGHT CONCRETE RETAINING CURB PER CALTRANS STANDARD A88A & A88B.
13. CONSTRUCT LANDSCAPE ROCK BLANKET PER DETAIL ON SHEET 2.
14. REMOVE & REPLACE EXIST. LOCAL DEPRESSION (TYPE A) PER COUNTY STD. 203B
15. RESET ROADSIDE SIGN PER THE CALIFORNIA MUTCD 2014, FIGURES 2A-2(CA) AND COUNTY STANDARD PLANS 303a AND 303b.
16. ADJUST TO GRADE EXISTING WATER VALVE.
17. INSTALL 12" WIDE WHITE LIMIT LINE PER CALTRANS STD. PLAN NO. A24E.
18. INSTALL CROSSWALK (TYPE/COLOR PER PLAN) PER CALTRANS STD. PLAN NO. A24F.
19. CONSTRUCT 24" X 24" CONCRETE PAD PER DETAIL ON SHEET 2.
20. PAINT CURB RED.
21. INSTALL DETECTABLE WARNING PAVER TYPE PER CITY OF MONTCLAIR STD. A-80 AND ADA-2, 12" SQUARE PAVER (BY WASAU PAVING OR APPROVED EQUIVALENT).

DISPOSITION NOTES

P PROTECT IN PLACE
M MATCH/JOIN EXISTING

CONSTRUCTION LEGEND

ASPHALT CONCRETE PAVEMENT
ASPHALT CONCRETE COLD PLANE
PORTLAND CEMENT CONCRETE
ROCK BLANKET TREATMENT

A - DENOTES RAMP LOCATION (TYP.). SEE SHEET 2.

Underground Service Alert
CALL BEFORE YOU DIG
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

PLANS PREPARED UNDER THE SUPERVISION OF:
NV5
WWW.NV5.COM
163 TECHNOLOGY DRIVE
SUITE 100 IRVINE, CA 92618
TEL. (949) 585-0477
6/5/23
DAVID NIKNAFS, P.E. C42697 — DATE

REGISTERED PROFESSIONAL ENGINEER
DAVID NIKNAFS
No. 42697
CIVIL
STATE OF CALIFORNIA

MARK	CHANGES		DATE
	NO CHANGES	RESIDENT ENGINEER	

FIELD CHANGES

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:
AB/SN	AB/SN	DN

RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER — 6/27/2023 DATE
CARLOS SEANEZ, P.E. SUPERVISING ENGINEER — 6/27/2023 DATE
APPROVED BY: MERVAT N. MIKHAIL, P.E. DEPUTY DIRECTOR — 6/27/2023 DATE

CHINO/MONTCLAIR AREA ADA RAMPS

PLANS & PROFILES

SAN BERNARDINO COUNTY AND IN THE CITY OF MONTCLAIR

J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L.#D014	H15061	AS SHOWN	9	12

REVISIONS — MARK — APPR. — DATE

NOT FOR BID

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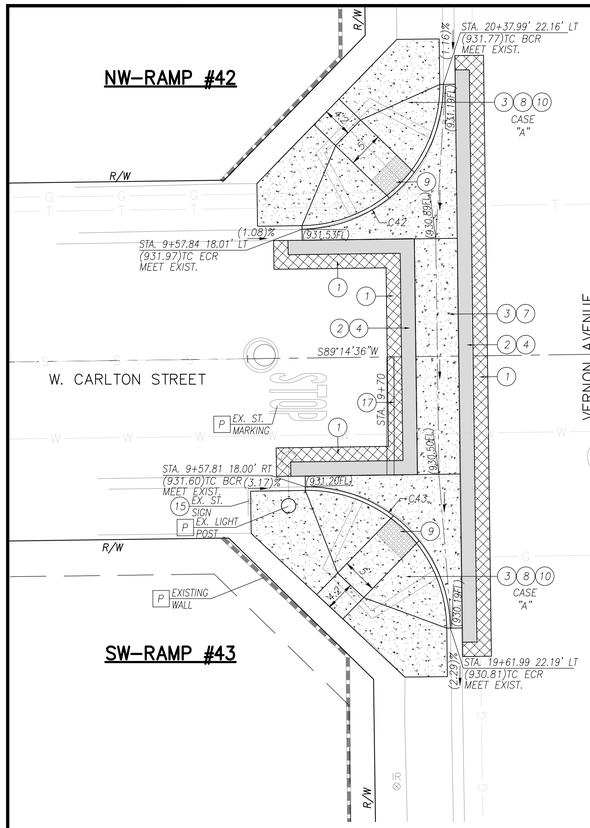
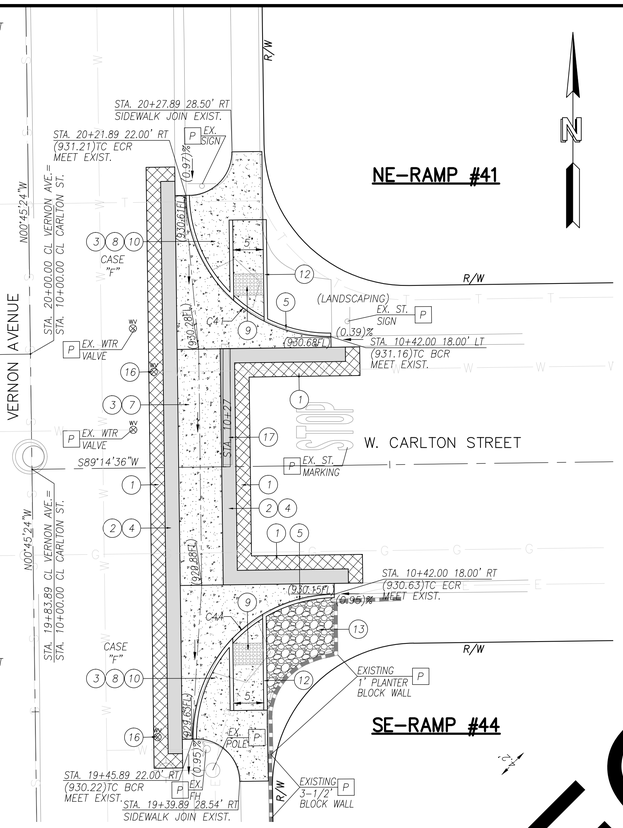
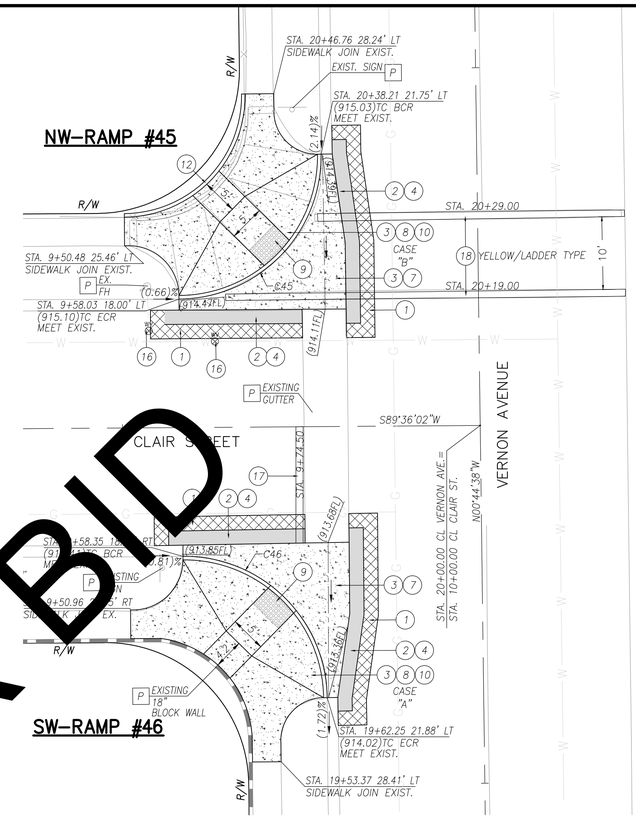


PLAN



PLAN



PLAN

UTILITY LEGEND

SEWER
WATER
OIL
ELECTRIC
STORM DRAIN
GAS
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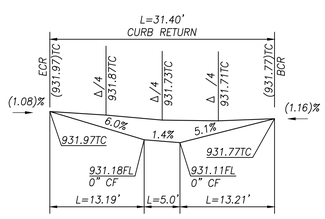
CURVE DATA

C#	LENGTH	RADIUS	DELTA	TANGENT
C41	31.42	20.00	90.00	20.00
C42	31.40	20.00	89.94	19.98
C43	31.42	20.00	90.00	20.00
C44	31.42	20.00	90.00	20.00
C45	31.54	20.00	90.34	20.12
C46	31.30	20.00	89.66	19.88



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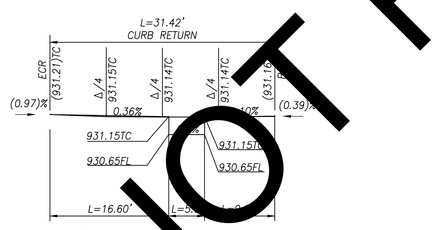

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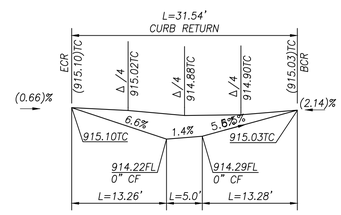

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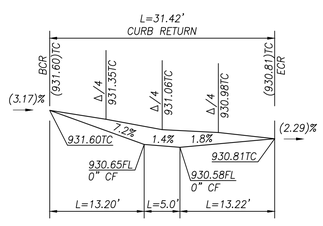

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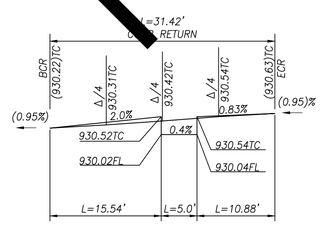

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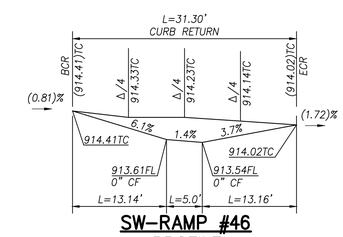

SW-RAMP #46

PROFILE

U VERNON AVENUE @ W. CARLTON STREET
SCALE: 1"=10'

V VERNON AVENUE @ CLAIR STREET
SCALE: 1"=10'

CONSTRUCTION NOTES

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DISPOSITION NOTES

- P PROTECT IN PLACE
- M MATCH/JOIN EXISTING

CONSTRUCTION LEGEND

- ASPHALT CONCRETE PAVEMENT
- ASPHALT CONCRETE COLD PLANE
- PORTLAND CEMENT CONCRETE
- ROCK BLANKET TREATMENT

(A) - DENOTES RAMP LOCATION (TYP.). SEE SHEET 2.

Underground Service Alert
CALL BEFORE YOU DIG
Call: TOLL FREE
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TWO WORKING DAYS BEFORE YOU DIG

PLANS PREPARED UNDER THE SUPERVISION OF:
NV5
WWW.NV5.COM
163 TECHNOLOGY DRIVE
SUITE 100 IRVINE, CA 92618
TEL. (949) 585-0477
DAVID NIKNAFS, P.E. C42697 — 6/5/23 DATE

REGISTERED PROFESSIONAL ENGINEER — DAVID NIKNAFS — No. 42697 — CIVIL — STATE OF CALIFORNIA

MARK	CHANGES		DATE
	NO CHANGES	RESIDENT ENGINEER	

FIELD CHANGES

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:
AB/SN	AB/SN	DN

RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER — 6/27/2023 DATE
CARLOS SEANEZ, P.E. SUPERVISING ENGINEER — 6/27/2023 DATE
APPROVED BY: MERVAT N. MIKHAIL, P.E. DEPUTY DIRECTOR — 6/27/2023 DATE

CHINO/MONTCLAIR AREA ADA RAMPS

PLANS & PROFILES

SAN BERNARDINO COUNTY AND IN THE CITY OF MONTCLAIR

J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L.#D014	H15061	AS SHOWN	10	12

MARK	DATE	APPR.	REVISIONS

MARK	DATE	APPR.	REVISIONS

NOT FOR BID

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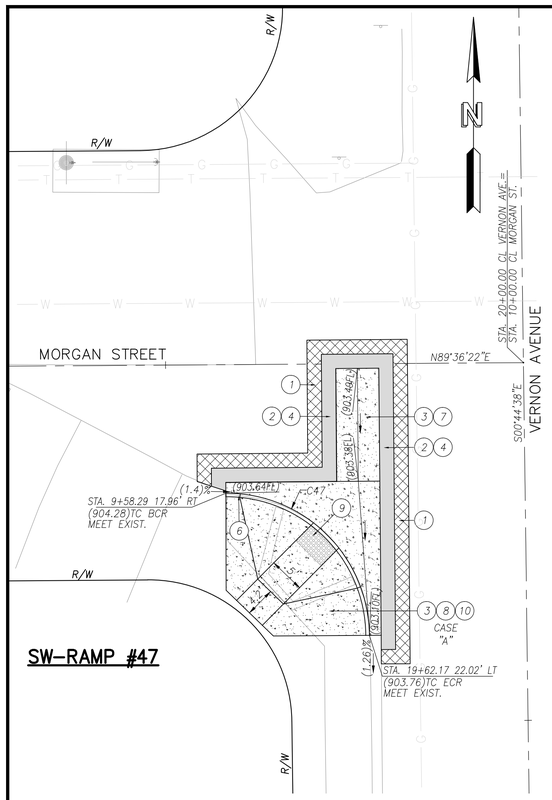
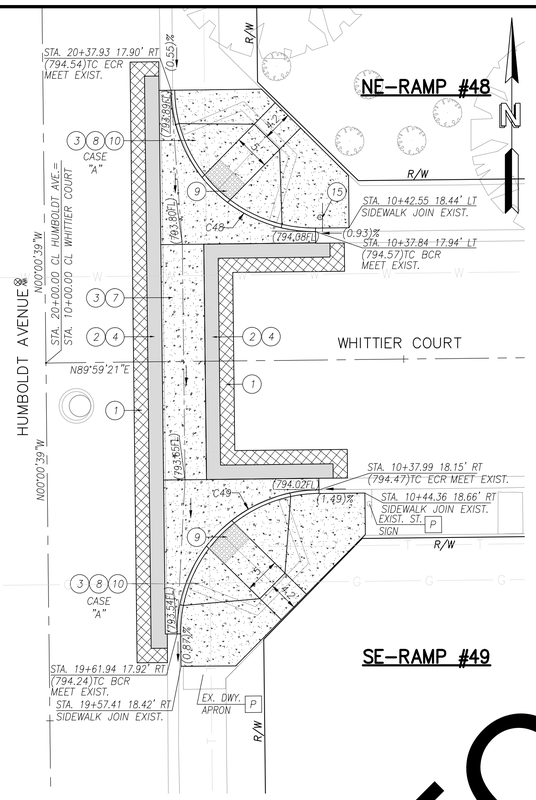


PLAN



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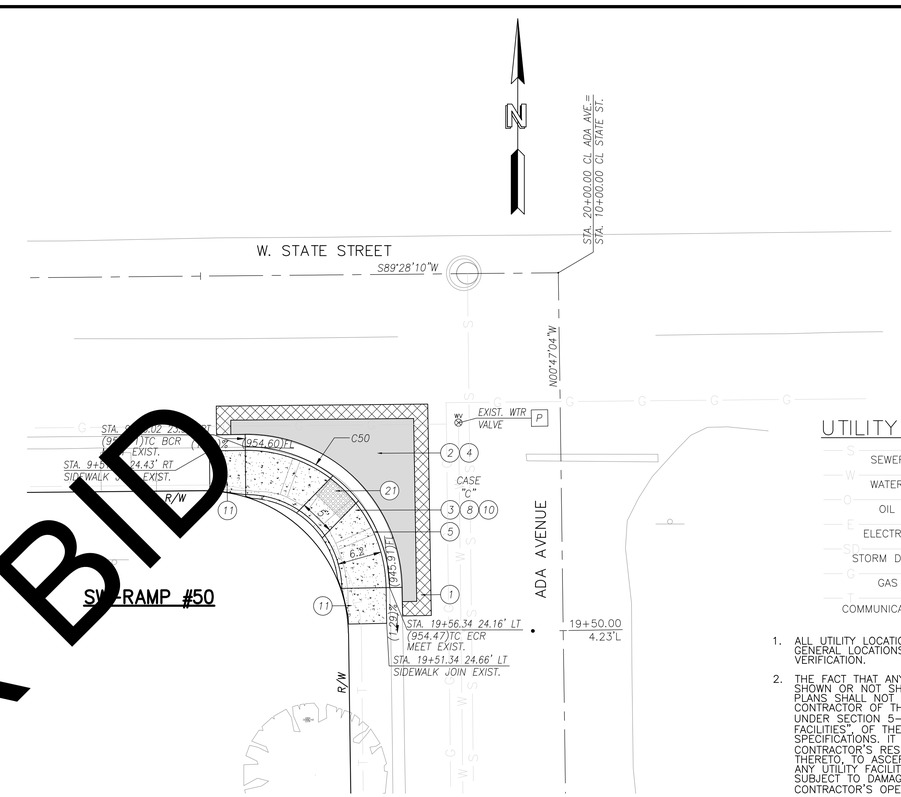

PLAN

UTILITY LEGEND

SEWER
WATER
OIL
ELECTRIC
STORM DRAIN
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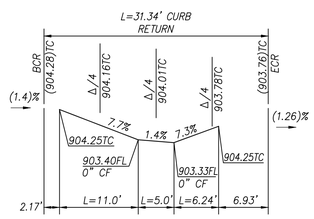
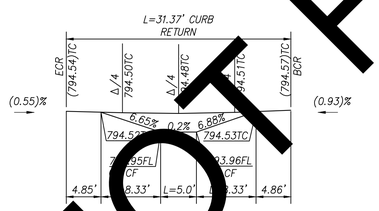
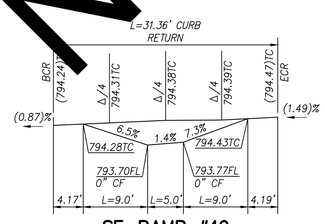


SW-RAMP #47
PROFILE

(W) VERNON AVENUE @ MORGAN STREET
SCALE: 1"=10'

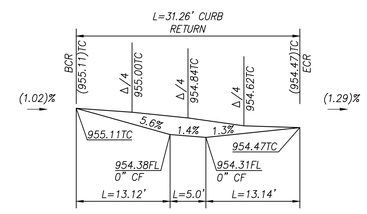


NE-RAMP #48



SE-RAMP #49
PROFILE

(X) WHITTIER COURT @ HUMBOLDT AVENUE
SCALE: 1"=10'



SW-RAMP #50
PROFILE

(YA) ADA AVENUE @ STATE STREET
SCALE: 1"=10'

CURVE DATA				
C#	LENGTH	RADIUS	DELTA	TANGENT
C47	31.34	20.00	89.79	19.93
C48	31.37	20.00	89.86	19.95
C49	31.36	20.00	89.84	19.95
C50	31.26	20.00	89.55	19.84

CONSTRUCTION NOTES

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(2) SAW CUT & REMOVE (0.67' THICK) EXISTING ASPHALT CONCRETE, 2' WIDE MINIMUM PER DETAIL ON SHEET 2.
(3) SAW CUT & REMOVE EXISTING CONCRETE.
(4) PLACE 0.67' ASPHALT CONCRETE HMA (TYPE A, 3/4-INCH AGGREGATE GRADATION, PG 64-10PM) OVER COMPACTED NATIVE SOIL PER DETAIL ON SHEET 2.
(5) CONSTRUCT 6" CURB & GUTTER PER COUNTY STD. 116.
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(7) CONSTRUCT SPANDREL AND/OR CROSS GUTTER PER COUNTY STD. 119.
(8) CONSTRUCT RAMP PER CALTRANS RSP A88A, CASE PER PLANS.
(9) PLACE 5'Wx3'D DETECTABLE WARNING SURFACE (DWS) PER CALTRANS RSP A88A.
(10) CONSTRUCT CONCRETE SIDEWALK PER COUNTY STANDARD 109 (MODIFIED).
(11) CONSTRUCT 5' MIN. SIDEWALK TRANSITION (1.5% TO EXISTING SLOPE).
(12) CONSTRUCT W=6" VARIABLE HEIGHT CONCRETE RETAINING CURB PER CALTRANS STANDARD A88A & A88B.
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(17) INSTALL 12" WIDE WHITE LIMIT LINE PER CALTRANS STD. PLAN NO. A24E.
(18) INSTALL CROSSWALK (TYPE/COLOR PER PLAN) PER CALTRANS STD. PLAN NO. A24F.
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(20) PAINT CURB RED.
(21) INSTALL DETECTABLE WARNING PAVER TYPE PER CITY OF MONTCLAIR STD. A-80 AND ADA-2, 12" SQUARE PAVER (BY WASAU PAVING OR APPROVED EQUIVALENT).

DISPOSITION NOTES

(P) PROTECT IN PLACE
(M) MATCH/JOIN EXISTING

CONSTRUCTION LEGEND

ASPHALT CONCRETE PAVEMENT
ASPHALT CONCRETE COLD PLANE
PORTLAND CEMENT CONCRETE
ROCK BLANKET TREATMENT

(A) - DENOTES RAMP LOCATION (TYP.). SEE SHEET 2.

Underground Service Alert
CALL BEFORE YOU DIG
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

PLANS PREPARED UNDER THE SUPERVISION OF:
NV5
WWW.NV5.COM
163 TECHNOLOGY DRIVE
SUITE 100 IRVINE, CA 92618
TEL. (949) 585-0477
DAVID NIKNAFS, P.E. C42697 — 6/5/23 DATE

REGISTERED PROFESSIONAL ENGINEER
DAVID NIKNAFS
No. 42697
CIVIL
STATE OF CALIFORNIA

MARK	CHANGES		DATE
	NO CHANGES	RESIDENT ENGINEER	

FIELD CHANGES

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:
AB/SN	AB/SN	DN

RECOMMENDED BY: CHRIS NGUYEN, P.E. ENGINEERING MANAGER — 6/27/2023 DATE
CARLOS SEANEZ, P.E. SUPERVISING ENGINEER — 6/27/2023 DATE
APPROVED BY: MERVAT N. MIKHAIL, P.E. DEPUTY DIRECTOR — 6/27/2023 DATE

CHINO/MONTCLAIR AREA ADA RAMPS

PLANS & PROFILES

SAN BERNARDINO COUNTY AND IN THE CITY OF MONTCLAIR

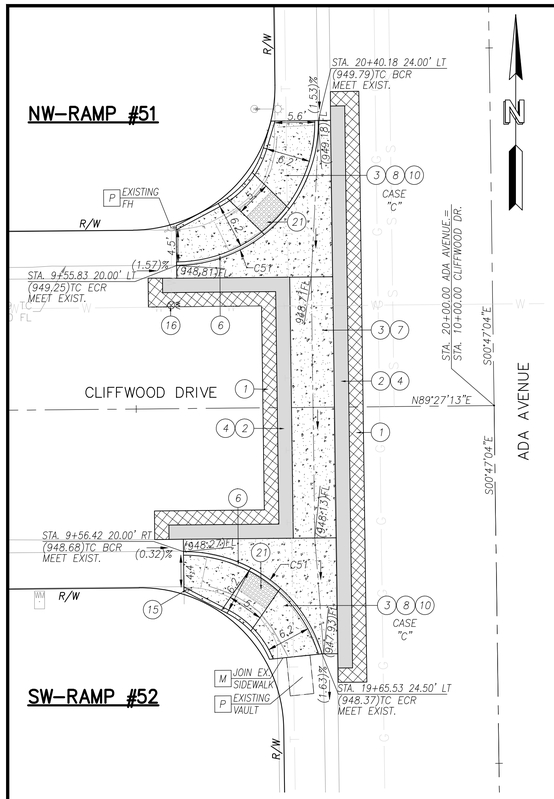
J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L.#D014	H15061	AS SHOWN	11	12

NOT FOR BID

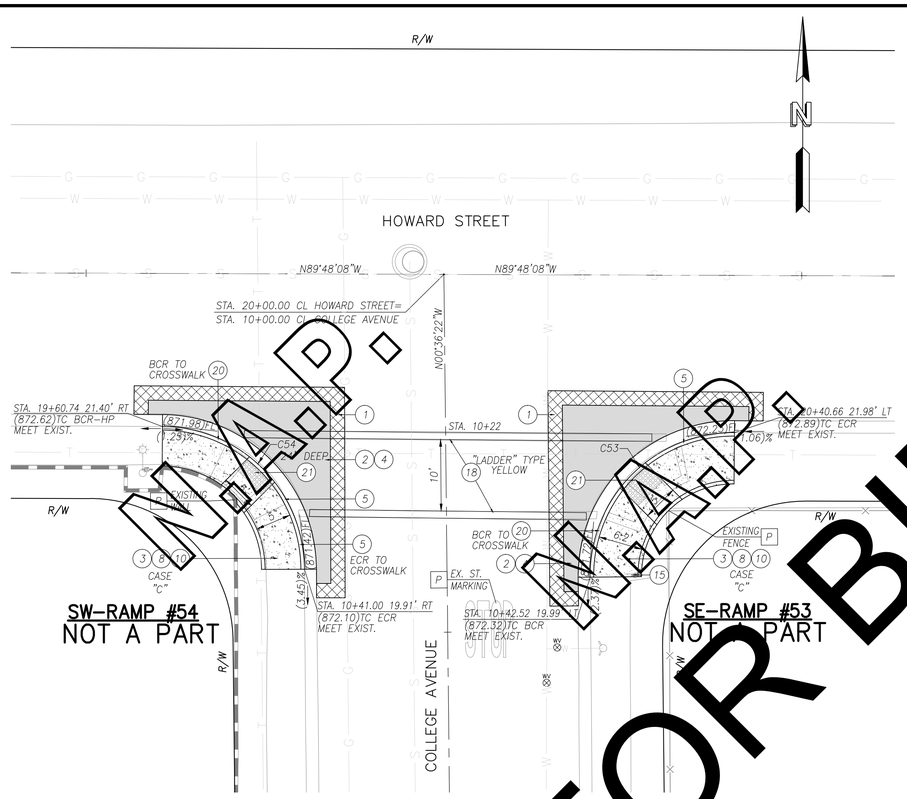
MARK	REVISIONS	APPR.	DATE

MARK	REVISIONS	APPR.	DATE

Z:\CS PROJECTS\San Bernardino COUNTY\ChinoMontclair Area ADA Ramps\PLANS\DWG\SHEET 11-PLANS & PROFILES WXYa.dwg 06/06/23 10:12am



PLAN



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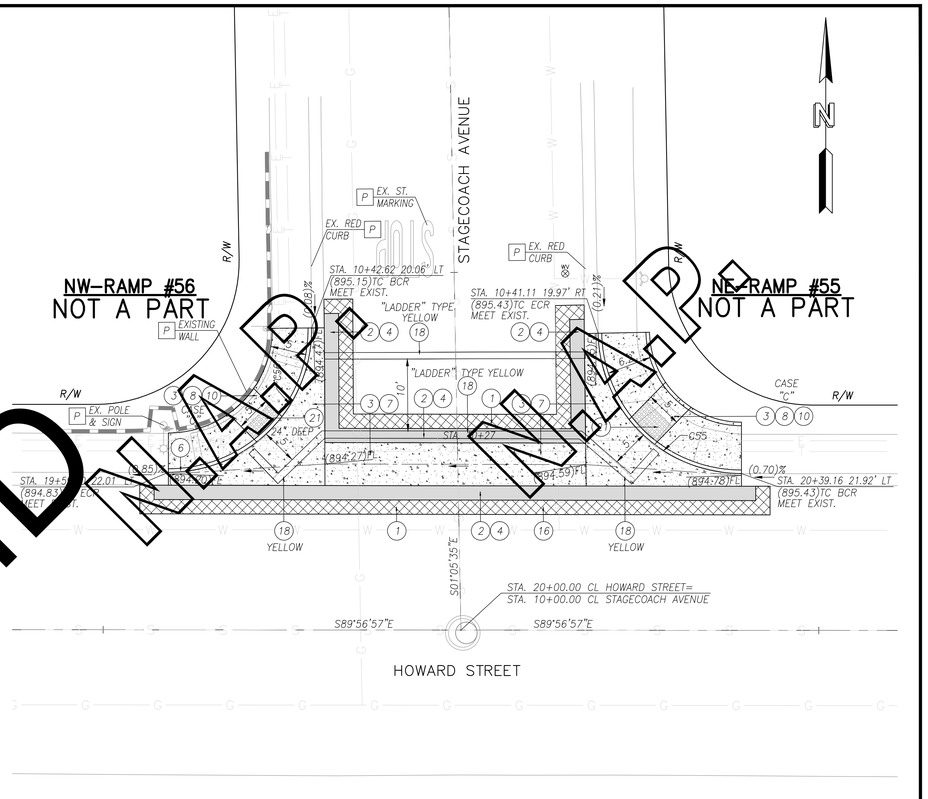
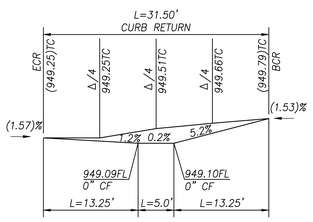
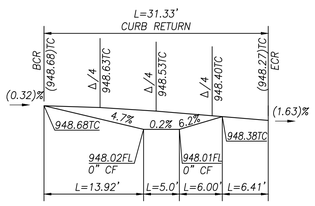


PLAN

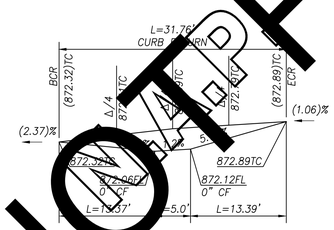


NW-RAMP #51

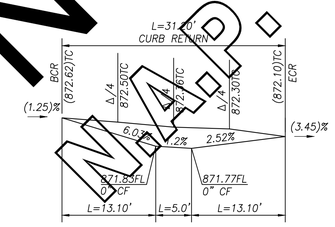


SW-RAMP #52
PROFILE

(YB) CLIFFWOOD DRIVE @ ADA AVENUE
SCALE: 1"=10'

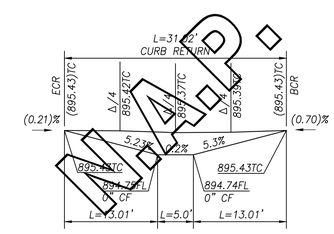


SE-RAMP #53

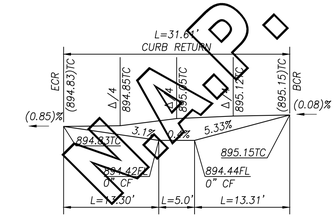


SW-RAMP #54
PROFILE

(YC) COLLEGE AVENUE @ HOWARD STREET
SCALE: 1"=10'



NE-RAMP #55



NW-RAMP #56
PROFILE

(YD) STAGECOACH AVENUE @ HOWARD STREET
SCALE: 1"=10'

UTILITY LEGEND

- SEWER
- WATER
- OIL
- ELECTRIC
- STORM DRAIN
- GAS
- COMMUNICATIONS

1. ALL UTILITY LOCATIONS SHOWN ARE GENERAL LOCATIONS SUBJECT TO FIELD VERIFICATION.
2. THE FACT THAT ANY UTILITY FACILITY IS SHOWN OR NOT SHOWN UPON THESE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY UNDER SECTION 5-1.36C "NON-HIGHWAY FACILITIES", OF THE CALTRANS STANDARD SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, PURSUANT THERETO, TO ASCERTAIN THE LOCATION OF ANY UTILITY FACILITY WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF THE CONTRACTOR'S OPERATIONS.

CURVE DATA

C#	LENGTH	RADIUS	DELTA	TANGENT
C51	31.50	20.00	90.24	20.08
C52	25.81	20.00	73.93	15.05
C53	31.76	20.00	90.98	20.34
C54	31.20	20.00	89.39	19.79
C55	31.02	20.00	88.87	19.61
C56	31.61	20.00	90.56	20.20

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163 TECHNOLOGY DRIVE
SUITE 100 IRVINE, CA 92618
TEL (949) 585-0477
DAVID NIKNAFS, P.E. C42697 — 6/5/23 DATE

REGISTERED PROFESSIONAL ENGINEER — DAVID NIKNAFS — No. 42697 — CIVIL — STATE OF CALIFORNIA

MARK	CHANGES		DATE
	NO CHANGES	RESIDENT ENGINEER	

FIELD CHANGES

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY:	DRAWN BY:	CHECKED BY:	RECOMMENDED BY:
AB/SN	AB/SN	DN	CHRIS NGUYEN, P.E. ENGINEERING MANAGER — 6/27/2023 DATE

CARLOS SEANEZ, P.E. SUPERVISING ENGINEER — 6/27/2023 DATE
APPROVED BY: MERVAT N. MIKHAIL, P.E. DEPUTY DIRECTOR — 6/27/2023 DATE

CHINO/MONTCLAIR AREA
ADA RAMPS

PLANS & PROFILES

SAN BERNARDINO COUNTY
AND IN THE CITY OF MONTCLAIR

J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L. #D014	H15061	AS SHOWN	12	12

MARK	DESCRIPTION	APPR.	DATE
	REVISIONS		
	REVISIONS		

NOT FOR BID
MAP
MAP
MAP
MAP
MAP
MAP

Z:\CS PROJECTS\San Bernardino COUNTY\ChinoMontclair Area ADA Ramps\PLANS\DWG\SHEET 12-PLANS & PROFILES YbYcYd.dwg 06/06/23 11:12am