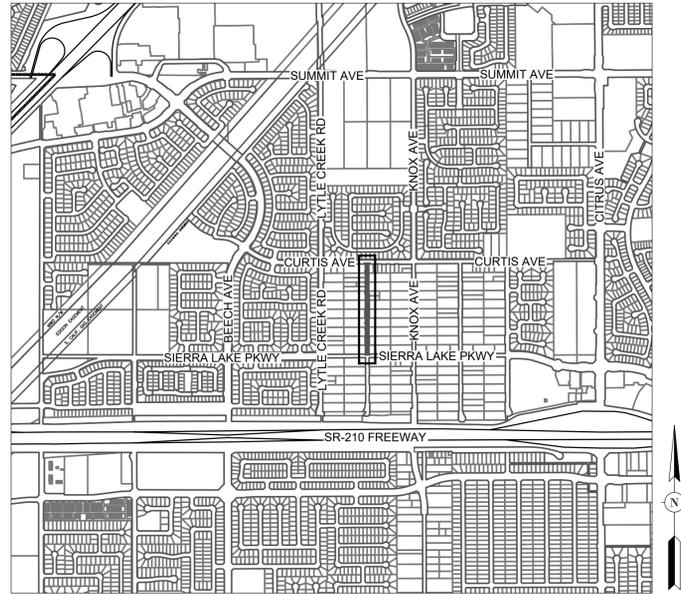


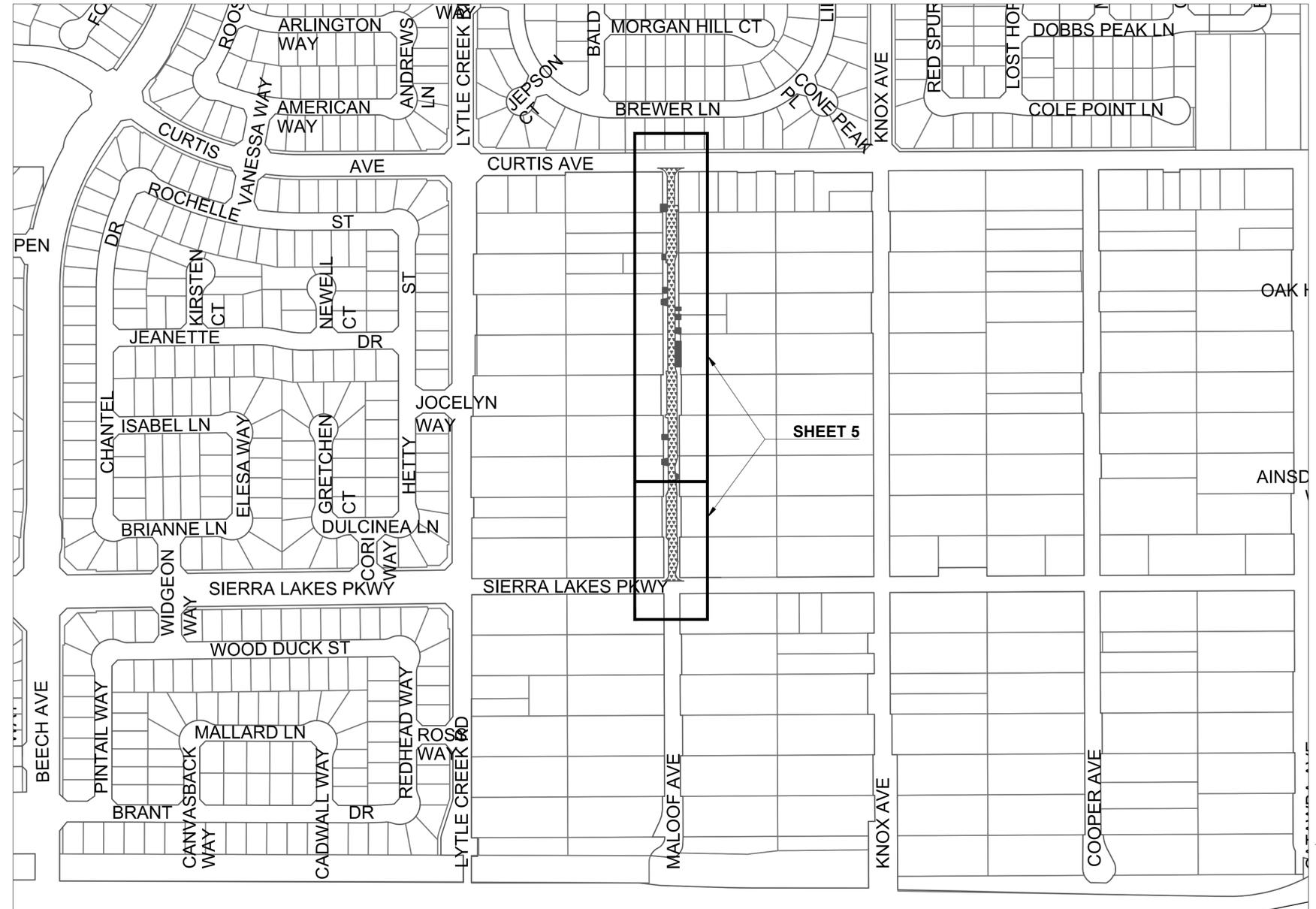
# CITY OF FONTANA MALOOF AVE PAVEMENT REHABILITATION FROM CURTIS AVE TO SIERRA LAKES PKWY



**VICINITY MAP**  
N.T.S.

SHEET INDEX:

1. TITLE SHEET
2. GENERAL NOTES
- 3-4. TYPICAL SECTIONS & DETAILS
5. CONSTRUCTION SHEET - MALOOF AVE



**INDEX MAP**  
N.T.S.



REV.	REVISION DESCRIPTION	DATE	ENGR.	CITY	DATE

SHOULD CONSTRUCTION OF THE REQUIRED IMPROVEMENTS NOT COMMENCE WITHIN TWO YEARS OF THE DATE OF APPROVAL SHOWN HEREON AND CARRIED FORTH IN A DILIGENT MANNER, THE CITY ENGINEER MAY REQUIRE REVISIONS TO THE PLANS TO BRING THEM INTO CONFORMANCE WITH STANDARDS IN EFFECT.



Prepared Under The Supervision Of :  
*Jeffrey Kim*  
JEFFREY KIM  
Date: 02/18/26  
R.C.E. 63106

CITY OF FONTANA, CALIFORNIA STREET IMPROVEMENT PLAN		SCALE: AS SHOWN
DRAWN BY: CR	MALOOF AVE PAVEMENT REHABILITATION TITLE SHEET	DATE: 2/18/26
DESIGNED BY: CR		DRAWING NO.: 6612 / 5
CHECKED BY: TR / SM	APPROVED BY: <i>Gia Lam Kim</i> GIA LAM KIM CITY ENGINEER	DATE: 02/18/26 R.C.E. 62296

**GENERAL NOTES:**

- ALL WORK SHALL BE IN ACCORDANCE WITH THESE PLANS, THE CITY OF FONTANA STANDARD PLANS, THE CONTRACT PROVISIONS AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREEN BOOK"). ALL REFERENCE SPECIFICATIONS AND STANDARDS SHALL BE THE LATEST EDITION UNLESS OTHERWISE NOTED.
- WHEN A TECHNICAL CONFLICT IS FOUND TO EXIST IN THE CONTRACT DOCUMENT THAT CAN NOT BE RESOLVED BY REFERENCE TO PRECEDENCE PROVISIONS IN THE "GREEN BOOK", THE CONTRACTOR SHALL IMMEDIATELY REPORT SAID CONFLICT TO THE CITY ENGINEER FOR RESOLUTION.
- ALL MATERIALS AND METHODS ARE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.
- CONSTRUCTION PERMITS SHALL BE OBTAINED FROM THE CITY OF FONTANA COMMUNITY DEVELOPMENT DEPARTMENT, ENGINEERING DIVISION PRIOR TO THE START OF ANY WORK. INSPECTION COORDINATION SHALL BE REQUESTED AT LEAST TWO WORKING DAYS PRIOR TO THE START OF ANY WORK IN PUBLIC RIGHT-OF-WAY WITHIN THE CITY LIMITS. CALL (909) 350-7610
- THE CONTRACTOR SHALL CONFORM TO ALL TRAFFIC CONTROL POLICIES, METHODS AND PROCEDURES DESCRIBED IN THE STATE OF CALIFORNIA MANUAL OF TRAFFIC CONTROL. LATEST NON-METRIC EDITION UNLESS OTHERWISE DIRECTED BY THE CITY TRAFFIC ENGINEER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN BARRICADES, DELINEATORS OR OTHER TRAFFIC CONTROL DEVICES AT ALL TIMES.
- THE CONTRACTOR SHALL OBTAIN A PERMIT TO PERFORM EXCAVATION OR TRENCH WORK FOR TRENCHES 5 FEET OR GREATER IN DEPTH FROM THE CALIFORNIA STATE DIVISION OF INDUSTRIAL SAFETY.
- THE WALLS AND FACES OF ALL EXCAVATIONS GREATER THAN FIVE (5) FEET IN DEPTH SHALL BE GUARDED BY SHORING, SLOPING OF THE GROUND OR OTHER APPROVED MEANS PURSUANT TO THE REQUIREMENTS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. TRENCHES LESS THAN FIVE (5) FEET SHALL ALSO BE GUARDED WHEN THE POTENTIAL EXISTS FOR GROUND MOVEMENT.
- NO MATERIAL OR EQUIPMENT SHALL BE STORED IN THE PUBLIC RIGHT OF WAY WITHOUT OBTAINING A SEPARATE PERMIT FOR THAT PURPOSE.
- THE LOCATIONS OF UTILITIES SHOWN HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION; HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE, IN THE FIELD, THE TRUE LOCATION AND ELEVATION OF ANY EXISTING UTILITIES, AND TO EXERCISE PROPER PRECAUTION TO AVOID DAMAGE THERE TO. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT 1-800-227-2600 TWO WORKING DAYS BEFORE EXCAVATION.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH ALL UTILITY COMPANIES INCLUDING, BUT NOT LIMITED TO, GAS, TELEPHONE, ELECTRIC, CABLE TELEVISION, LANDSCAPING, LANDSCAPE IRRIGATION, DOMESTIC WATER, RECLAIMED WATER, SEWER, STORM DRAIN, FLOOD CONTROL AND CALTRANS. ALL UTILITY COMPANIES SHALL BE GIVEN TWO WORKING DAYS NOTICE PRIOR TO WORK AROUND THEIR FACILITIES.
- THE CONTRACTOR SHALL NOT OPERATE AND FIRE HYDRANT WATER MAIN VALVES WITHOUT APPROPRIATE AGENCY AUTHORIZATION. CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE WATER COMPANY FOR VALVE OPERATION AND WATER REQUIREMENTS.
- CURVE DATA REFERS TO THE FACE OF CURB.
- STATIONING REFERS TO THE CENTERLINE OF STREETS EXCEPT WHERE OTHERWISE NOTED.
- ADEQUATE CONSTRUCTION CONTROL STAKES SHALL BE SET BY THE ENGINEER TO ENABLE THE CONTRACTOR TO CONSTRUCT THE WORK TO THE PLAN GRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF BENCHMARKS AND CONSTRUCTION CONTROL STAKING DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOT DISTURB EXISTING SURVEY MONUMENTS, MONUMENT TIES OR BENCH MARKS WITHOUT PRIOR NOTIFICATION TO THE CITY ENGINEER.
- REMOVAL AND REPLACEMENT OF EXISTING SURVEY CONTROL, INCLUDING SURVEY MONUMENTS, MONUMENT TIES AND BENCH MARKS, SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR. SURVEY MONUMENTS THAT WILL BE DESTROYED AS A RESULT OF THIS CONSTRUCTION SHALL BE REPLACED. MONUMENTS CAN BE ESTABLISHED FOR LATER REPLACEMENT OF THE MONUMENT.
- THE CONTRACTOR SHALL MAINTAIN ACCESS FOR LOCAL RESIDENTS AND BUSINESSES AT ALL TIMES. A MINIMUM 12 FOOT LANE SHALL BE MAINTAINED AT ALL TIMES IN THE CONSTRUCTION AREA FOR RESIDENTS AND EMERGENCY VEHICLES.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFECTIVE MEANS OF DUST CONTROL, INCLUDING ADEQUATE WATERING, AT ALL TIMES.
- ALL GRADING OPERATIONS SHALL BE DISCONTINUED WHEN SUSTAINED WIND VELOCITIES EXCEED 25-MILES PER HOUR.
- THE CONTRACTOR SHALL NOT CAUSE ANY EXCAVATED MATERIAL, MUD, SILT OR DEBRIS TO BE DEPOSITED ONTO PUBLIC OR PRIVATE PROPERTY ADJACENT TO THE RIGHT OF WAY DURING CONSTRUCTION WITHOUT PRIOR WRITTEN APPROVAL.
- NO TRENCH BACKFILL SHALL BE TAKE PLACE WITHOUT PRIOR APPROVAL OF THE CITY INSPECTOR
- A GEOTECHNICAL ENGINEER SHALL CERTIFY ALL BACKFILL COMPACTION. FAILURE TO OBTAIN THE REQUIRED DENSITY SHALL REQUIRE RE-WORKING OF THAT PORTION OF THE WORK UNTIL THE SPECIFIED DENSITY IS OBTAINED
- CARE SHOULD BE TAKEN TO PREVENT GRADES, DITCHES, AND SWALES FROM UNDERMINING STREET IMPROVEMENTS. UPON INSPECTION OF THE SITE, THE CITY ENGINEER MAY REQUIRE TEMPORARY NON-ERODEABLE SWALES ENTERING OR LEAVING IMPROVEMENTS.
- THE FINAL LOCATION AND WIDTH OF DRIVEWAY APPROACH APRONS SHALL BE APPROVED AT THE TIME OF CONSTRUCTION AND SHALL CONFORM TO THE CITY OF FONTANA STANDARD DETAILS.
- ALL EXPOSED CONCRETE SURFACES SHALL CONFORM IN GRADE, COLOR, AND FINISH TO MATCH EXISTING CONCRETE.
- THE SEWER CONTRACTOR SHALL STAMP AN "S" IN THE FACE OF THE CURB AT THE LOCATION OF THE SEWER LATERAL.
- ADJUST ALL UTILITIES TO GRADE. PAYMENT TO BE INCLUDED IN PAVEMENT ITEMS AND WILL NOT BE PAID SEPARATELY.

**GENERAL NOTES (CONT.):**

- NO CONCRETE SHALL BE PLACED UNTIL THE FORMS AND REINFORCING STEEL HAVE BEEN PLACED, INSPECTED AND APPROVED.
- ALL UNDERGROUND UTILITIES SHALL BE INSTALLED, TESTED AND APPROVED PRIOR TO PAVING OF STREETS.
- ALL PAVING MANHOLES, CLEANOUT FRAMES, COVERS AND VALVE BOXES SHALL BE RAISED TO FINISHED GRADE BY THE PAVING CONTRACTOR UPON COMPLETION OF PAVING.
- UPON COMPLETION OF CONSTRUCTION, CONTRACTORS SHALL RESTORE ALL SIGNING, STRIPING, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
- CONTRACTOR SHALL RELOCATE AND/OR REPLACE LANDSCAPING, SPRINKLERS AND SIDEWALKS AFFECTED BY THE CONSTRUCTION TO THE SATISFACTION OF THE CITY ENGINEER.
- AS-BUILT DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER OF RECORD, WHO SHALL PROVIDE RECORD DRAWINGS TO THE CITY ENGINEER.
- TEMPORARY RAMPS WILL BE PLACED AT ALL AREAS THAT ARE BASED OR GROUND ONLY AND NOT FLUSH WITH EXISTING FINISH SURFACE. RAMPS TO BE CONSTRUCTED AT TRANSITIONS AND DRIVEWAYS WILL BE IN PERMANENT MATERIALS.

**PRIVATE ENGINEER'S NOTE:**

THE EXISTENCE AND APPROXIMATE LOCATION OF ANY UNDERGROUND UTILITIES OR SUBSTRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES OR STRUCTURES EXCEPT AS SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITIES OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK ON EXCAVATION TO DETERMINE EXACT LOCATION OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON, AND FOR ANY DAMAGE OR PROTECTION OF THESE LINES.

**NOTICE TO CONTRACTORS:**

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF THE WORK OF THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

**SURVEY MONUMENT NOTE:**

SURVEY MONUMENTS THAT EXIST AS SHOWN ON RECORDED MAPS, HIGHWAY MAPS OR POINTS THAT PROVIDE SURVEY CONTROL WITHIN THE CONSTRUCTION AREA, SHALL BE LOCATED AND REFERENCED OUT BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER (AUTHORIZED TO PRACTICE LAND SURVEYING), AND CORNER RECORDS SHALL BE FILED WITH THE COUNTY SURVEYOR PRIOR TO THE START OF CONSTRUCTION. THESE CORNER RECORDS SHALL DESCRIBE THE MONUMENTS FOUND WITH THE DISTANCES TO REFERENCE POINTS FOR RESETTING OF THE SURVEY MONUMENTS. WHEN CONSTRUCTION IS COMPLETED, MONUMENTS SHALL BE SET AND CORNER RECORDS SHALL BE FILED WITH THE COUNTY SURVEYOR SHOWING THE NEW MONUMENTS.

**CONTRACTOR'S RESPONSIBILITY FOR SAFETY:**

IN SUBMITTING A BID FOR THIS WORK THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THIS PROJECT; INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNERS AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

NOTE: ALL STRIPING, LEGENDS, AND REFLECTORS SHALL BE INSTALLED IN-KIND PER SPECIAL PROVISIONS E-SECTION UNLESS OTHERWISE SPECIFIED.

**LEGEND OF SYMBOLS AND ABBREVIATIONS:**

FH	EXISTING FIRE HYDRANT	ABAND	ABANDONED	INV	INVERT
WV	EXISTING WATER VALVE	AC	ASPHALT CONCRETE	LF	LINEAR FEET
PP	EXISTING POWER POLE	AP	ANGLE POINT	MH	MANHOLE
MB	EXISTING MAILBOX	BC	BEGINNING OF CURVE	PCC	PORTLAND CEMENT CONCRETE
WM	EXISTING WATER METER	BCR	BEGIN CURB RETURN	PRC	POINT OF REVERSE CURVE
---	EXISTING EDGE OF PAVEMENT	CB	CATCH BASIN	S	SLOPE
	EXISTING TREE	CF	CURB FACE	SD	STORM DRAIN
	EXISTING PALM TREE	CL	CENTERLINE	STA	STATION
	EXISTING SHRUB/PLANT	EC	END OF CURVE	TC	TOP OF CURB
	EXISTING STREET LIGHT	ECR	END CURB RETURN	WM	WATER METER
	EXISTING MANHOLE	ELEV	ELEVATION		
	EXISTING SURVEY CONTROL	FH	FIRE HYDRANT		
R/W	EXISTING RIGHT-OF-WAY	FL	FLOW LINE		
	PROPOSED AC SLURRY	FS	FINISH SURFACE		
	PROPOSED 2" AC GRIND AND OVERLAY	GB	GRADE BREAK		
	CURB RETURN REMOVAL AND REPLACEMENT	GUTR	GUTTER		
	PROPOSED AC REMOVAL AND REPLACEMENT				
	TACTILE WARNING SURFACE REMOVAL AND REPLACEMENT				
	ASPHALT DRIVEWAY APRON REMOVAL AND REPLACEMENT				

**CONSTRUCTION NOTES:**

- NOT USED
- REMOVE 4.5" DEPTH OF EXISTING AC PAVEMENT AND NATIVE MATERIAL, RECOMPACT TO 95% PER CITY OF FONTANA STD. PLAN NO. 1008
- CONSTRUCT 2.5" AC PAVMENT (B PG-64-10) PER CITY OF FONTANA STD PLAN NO. 1008
- CONSTRUCT 2" AC PAVMENT (C2 PG-64-10) PER CITY OF FONTANA STD PLAN NO. 1008
- ADJUST EXISTING MANHOLE TO GRADE PER GREENBOOK SECTION 403 AND CITY OF FONTANA STD. PLAN NO. 2000, INCLUDING FINISH PAVING. MANHOLES TO BE LOWERED AND FALSE BOTTOMS ARE TO BE INSTALLED BEFORE CONSTRUCTION BEGINS. PROTECTION WILL STAY IN PLACE UNTIL MANHOLES ARE RESTORED TO PREVENT ANY DEBRIS ENTERING EXISTING FACILITIES.
- NOT USED
- NOT USED
- TIE IN EXISTING DRIVEWAY WITH NEWLY PAVED STREET. REMOVE EXISTING ASPHALT DRIVEWAY APRON AND CONSTRUCT 4.5" ASPHALT DRIVEWAY APRON.
- PLACE SHOULDER/EDGE BACKING PER DETAIL ON SHEET 3



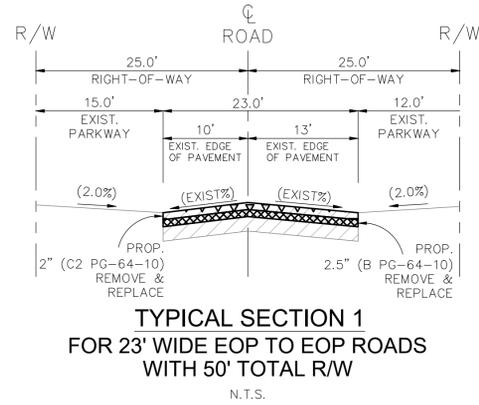
REV.	REVISION DESCRIPTION	DATE	ENGR.	CITY	DATE

SHOULD CONSTRUCTION OF THE REQUIRED IMPROVEMENTS NOT COMMENCE WITHIN TWO YEARS OF THE DATE OF APPROVAL SHOWN HEREON AND CARRIED FORTH IN A DILIGENT MANNER, THE CITY ENGINEER MAY REQUIRE REVISIONS TO THE PLANS TO BRING THEM INTO CONFORMANCE WITH STANDARDS IN EFFECT.



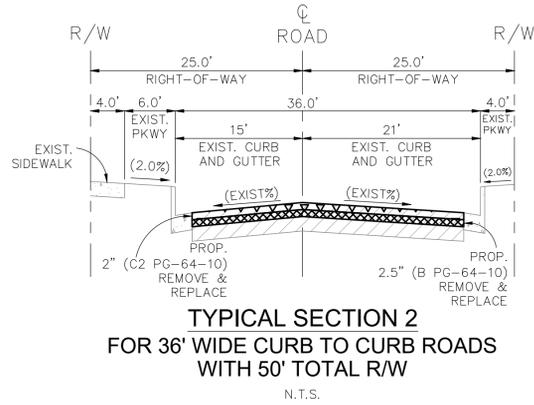
Prepared Under The Supervision Of :  
 Jeffrey Kim  
 Date: 02/18/26  
 R.C.E. 63106

CITY OF FONTANA, CALIFORNIA			
STREET IMPROVEMENT PLAN			
DRAWN BY: CR	MALOOF AVE PAVEMENT REHABILITATION GENERAL NOTES		SCALE: AS SHOWN
DESIGNED BY: CR			DATE: 2/18/26
CHECKED BY: TR / SM	APPROVED BY: GIA LAM KIM CITY ENGINEER	DATE: 02/18/26 R.C.E. 62296	DRAWING NO.: 6612 / 5



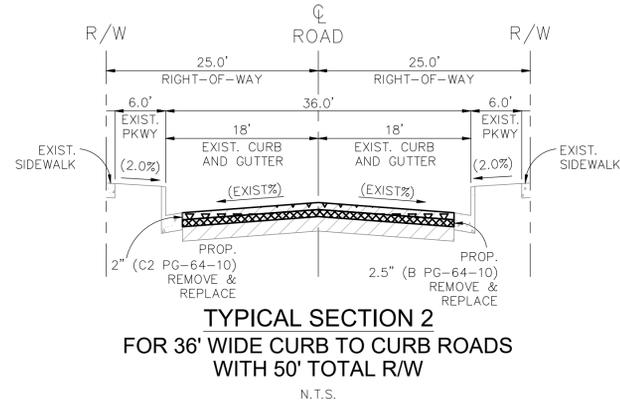
**TYPICAL SECTION 1**  
FOR 23' WIDE EOP TO EOP ROADS  
WITH 50' TOTAL R/W

N.T.S.



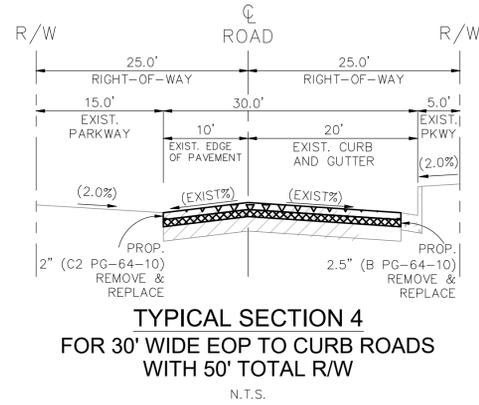
**TYPICAL SECTION 2**  
FOR 36' WIDE CURB TO CURB ROADS  
WITH 50' TOTAL R/W

N.T.S.



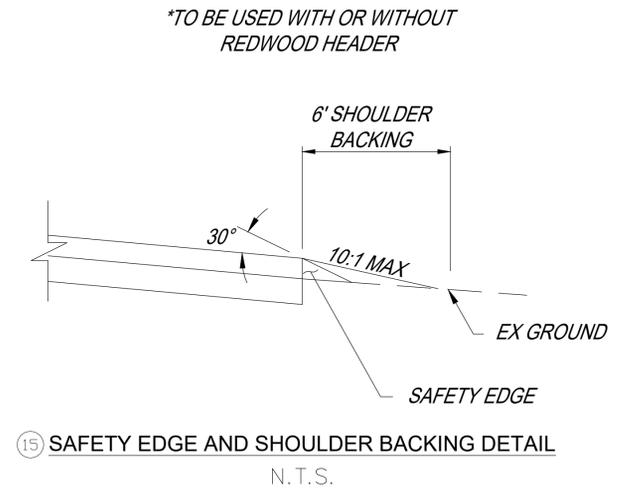
**TYPICAL SECTION 2**  
FOR 36' WIDE CURB TO CURB ROADS  
WITH 50' TOTAL R/W

N.T.S.

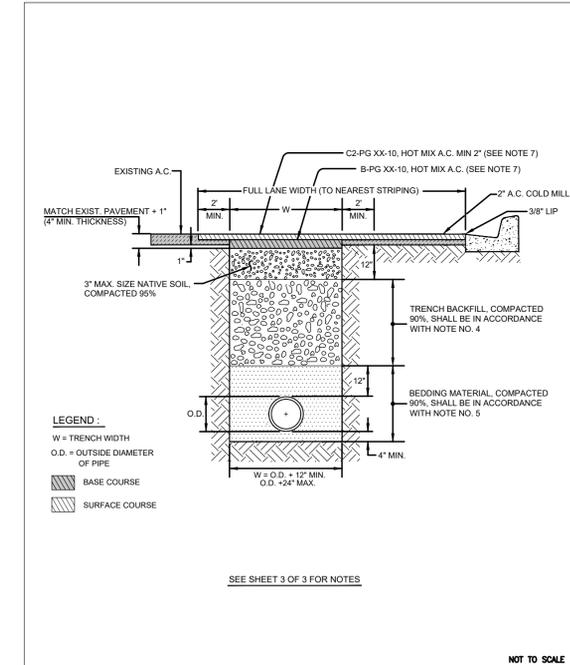


**TYPICAL SECTION 4**  
FOR 30' WIDE EOP TO CURB ROADS  
WITH 50' TOTAL R/W

N.T.S.



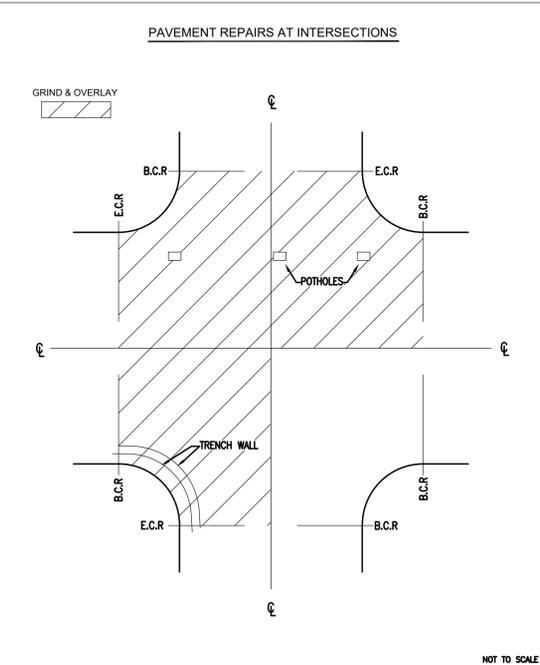
**15 SAFETY EDGE AND SHOULDER BACKING DETAIL**  
N.T.S.



**LEGEND:**  
W = TRENCH WIDTH  
O.D. = OUTSIDE DIAMETER OF PIPE  
BASE COURSE  
SURFACE COURSE

SEE SHEET 3 OF 3 FOR NOTES

NOT TO SCALE

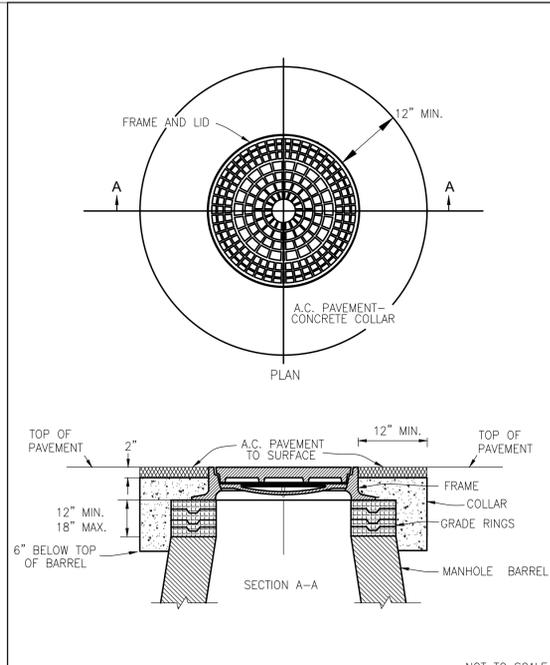


**PAVEMENT REPAIRS AT INTERSECTIONS**

GRIND & OVERLAY

NOT TO SCALE

- GENERAL NOTES:**
- THIS STANDARD DRAWING SHALL APPLY TO ANY AND ALL ROADWAY PAVING REPAIRS INCLUDING, BUT NOT LIMITED TO, THOSE RESULTING FROM SUBSURFACE UTILITY LOCATING SERVICES.
  - PRIOR TO PLACEMENT OF PERMANENT PAVING, THE EXISTING PAVEMENT SHALL BE CUT TO A NEAT STRAIGHT LINE. ALL PAVEMENT JOINTS/CRACKS WITHIN 4' OF THE TRENCH, OR AS DIRECTED BY THE CITY ENGINEER, SHALL BE REMOVED AND REPLACED. ANY LOOSE OR UNSTABLE ASPHALT ADJACENT TO THE NEW PAVEMENT SHALL BE REMOVED AND REPLACED.
  - ALL EXCAVATION SHALL BE MADE, PROTECTED AND SUPPORTED AS REQUIRED FOR SAFETY AND IN A MANNER SET FORTH IN OPERATIONS, RULES, ORDERS, AND REGULATIONS PRESCRIBED BY THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY. A COPY OF THE CAL OSHA EXCAVATION PERMIT, IF APPLICABLE, SHALL BE FURNISHED TO THE PROJECT INSPECTION PRIOR TO BEGINNING THE WORK. STEEL PLATE BRIDGING SHALL BE IN ACCORDANCE WITH CITY STD. NO. 1009.
  - PRIOR TO PLACEMENT OF PERMANENT PAVEMENT, BACKFILL COMPACTION REPORTS, FOR 6" MAX. NATIVE SOIL, SHALL BE VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER AND SUBMITTED TO THE CITY ENGINEER FOR APPROVAL. IN LIEU OF COMPACTION TESTING, CONTRACTOR MAY USE 1-SACK PCC SLURRY BACKFILL OR CONCRETE CLASS 100-E-100.
  - BEDDING MATERIAL SHALL BE SAND, GRAVEL, CRUSHED MISCELLANEOUS BASE OR NATIVE FREE-DRAINING GRANULAR MATERIAL HAVING A MIN. SAND EQUIVALENT OF 30.
  - PERMANENT PAVEMENT SHALL BE REPLACED WITHIN 30 DAYS OF THE EXCAVATION. TEMPORARY ASPHALT, MIN. 2" THICK, SHALL BE COMPACTED AND PLACED FLUSH, USING A STEEL WHEEL ROLLER OR OTHER COMPACTION DEVICE, TO PROVIDE A SMOOTH TRAVEL SURFACE UNTIL THE PERMANENT REPAIR, OR AS DIRECTED BY THE CITY ENGINEER. TEMPORARY ASPHALT PAVEMENT SHALL BE MAINTAINED UNTIL PERMANENT PAVEMENT IS IN PLACE.
  - PG 64-10 HOT MIX A.C. IS TO BE USED ON RESIDENTIAL STREETS AND PG 70-10 HOT MIX A.C. SHALL BE USED ON MAJOR AND COLLECTOR STREETS.
  - ANY TRENCH THAT EXTENDS INTO ANY LANE, TRANSVERSELY OR LONGITUDINALLY, SHALL REQUIRE A COMPLETE GRIND AND OVERLAY FOR THE WIDTH OF THE AFFECTED LANE(S). ALL TRENCHES EXTENDING INTO THE LANE(S) TRANSVERSELY SHALL REQUIRE A GRIND AND OVERLAY EXTENDING 10 FEET IN BOTH DIRECTIONS FROM THE CENTERLINE OF THE TRENCH.
  - IF THE NEW TRENCH REPAIR LIMITS LIE WITHIN A PREVIOUSLY REPAIRED AREA OF PAVEMENT, THE PROPOSED REPAIR LIMITS WILL NEED TO BE EXTENDED TO COVER THE PREVIOUSLY REPAIRED AREA, OR AS DIRECTED BY THE CITY ENGINEER.
  - ADDITIONAL COLD MILLING WILL BE REQUIRED TO CONNECT MULTIPLE TRENCHES THAT ARE SERVING THE SAME PARCEL.
  - IF TRENCH FAILURE SHOULD OCCUR, THE CONTRACTOR/PERMITTEE WILL BE NOTIFIED AND DIRECTED TO REMOVE, REPLACE AND REMEDY THE WORK. UPON FAILURE OF THE CONTRACTOR/PERMITTEE TO PROMPTLY COMPLY, UNDER ORDER OF THE CITY ENGINEER, THE TRENCH SHALL BE REMEDIATED, REMOVED, REPLACED AT PERMITTEE'S SOLE EXPENSE.
  - POTHOLE REPAIRS RESULTING FROM SUBSURFACE UTILITY LOCATING SERVICES SHALL BE REPAIRED IN ACCORDANCE WITH THIS STANDARD.
  - ALL POTHOLES / SERVICE CUTS / ETC. SHALL BE BACK FILLED WITH A 1-SACK SLURRY, 100-E-100, OR AS SPECIFIED BY THE CITY ENGINEER.
  - ALL EDGES OF EXISTING PAVEMENT BEING JOINED AND SURFACE BEING OVERLAPD SHALL RECEIVE A TACK COAT OF ASPHALT EMULSION.
  - CONTRACTOR SHALL AVOID TRACKING TACK MATERIAL ONTO EXISTING PAVEMENT SURFACES. ANY TACK MARKINGS LEFT ON THE STRIPING AND/OR PAVEMENT SHALL BE CLEANED UP AT THE CONTRACTOR'S EXPENSE. ALL TACK AND USA MARKINGS SHALL BE REMOVED WITHIN 30 DAYS OF COMPLETION OF CONSTRUCTION. CLEANUP SHALL NOT SCAR THE PAVEMENT. IF CONTRACTOR FAILS TO CLEAN UP THE MARKINGS, A TYPE II SLURRY SEAL SHALL BE USED.
  - ALL DISTURBED/DAMAGED STRIPING AND MARKINGS SHALL BE REPLACED IN KIND AS DIRECTED BY THE CITY ENGINEER.



NOT TO SCALE

- NOTES:**
- MANHOLE FRAME AND COVER SHALL BE LONG BEACH IRON WORKS, LB 1170A OR APPROVED EQUAL.
  - ASPHALT SURROUNDING THE FRAME SHALL BE PLACED TO A DEPTH OF 2" BELOW FINISHED SURFACE AND 12" MINIMUM WIDTH.
  - GRADE RINGS ARE ALLOWED FOR A MINIMUM OF 12" AND A MAXIMUM OF 18" FROM TOP OF MANHOLE BARREL.
  - CONCRETE COLLAR SHALL BE PLACED FROM 2" BELOW TOP OF MANHOLE FRAME TO 6" BELOW TOP OF BARREL. COLLAR SHALL COMPLETELY ENCAPSULATE ALL GRADE RINGS. CONCRETE SHALL BE 500-C-3250.
  - ACCELERATING ADMIXTURES MAY BE USED AT THE REQUEST OF THE CONTRACTOR OR CITY. ACCELERATING ADMIXTURES SHALL BE DURASET 4, POLARSET, OR APPROVED EQUAL AND SHALL CONFORM TO ASTM C494 OR ASTM D98 PER GREENBOOK SECTION 201-1.2.4 ITEM B.

**APPROVED BY:** [Signature] DATE: 4/7/23  
CITY ENGINEER  
**RICARDO SANDOVAL**  
REVIEWED BY: [Signature]  
DRAWN BY: JP

**CITY OF FONTANA**  
ROADWAY REPAIR AND TRENCH BACKFILL  
STD. PLAN NO. 1008 SHT 1 OF 3

**APPROVED BY:** [Signature] DATE: 4/7/23  
CITY ENGINEER  
**RICARDO SANDOVAL**  
REVIEWED BY: [Signature]  
DRAWN BY: JP

**CITY OF FONTANA**  
ROADWAY REPAIR AND TRENCH BACKFILL  
STD. PLAN NO. 1008 SHT 2 OF 3

**APPROVED BY:** [Signature] DATE: 4/7/23  
CITY ENGINEER  
**RICARDO SANDOVAL**  
REVIEWED BY: [Signature]  
DRAWN BY: JP

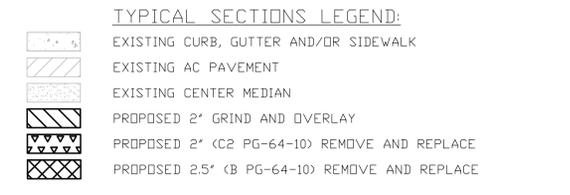
**CITY OF FONTANA**  
ROADWAY REPAIR AND TRENCH BACKFILL  
STD. PLAN NO. 1008 SHT 3 OF 3

**APPROVED BY:** [Signature] DATE: 2/20/23  
CITY ENGINEER  
**GIA LAM KIM**  
DRAWN BY: DT  
REVISION NO. 2

**CITY OF FONTANA**  
STANDARD MANHOLE FRAME, COVER AND CONCRETE COLLAR  
STD. PLAN NO. 2000 DWG. 1/2

**APPROVED BY:** [Signature] DATE: 2/20/23  
CITY ENGINEER  
**GIA LAM KIM**  
DRAWN BY: DT  
REVISION NO. 2

**CITY OF FONTANA**  
STANDARD MANHOLE FRAME, COVER AND CONCRETE COLLAR  
STD. PLAN NO. 2000 DWG. 2/2



REV.	REVISION DESCRIPTION	DATE	ENGR.	CITY	DATE

SHOULD CONSTRUCTION OF THE REQUIRED IMPROVEMENTS NOT COMMENCE WITHIN TWO YEARS OF THE DATE OF APPROVAL SHOWN HEREON AND CARRIED FOR IN A DILIGENT MANNER, THE CITY ENGINEER MAY REQUIRE REVISIONS TO THE PLANS TO BRING THEM INTO CONFORMANCE WITH STANDARDS IN EFFECT.



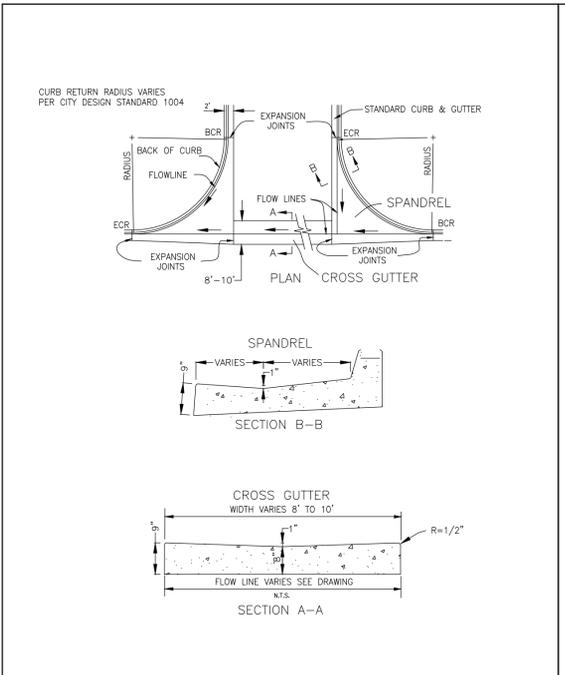
Prepared Under The Supervision Of :  
[Signature]  
**JEFFREY KIM**  
Date: 02/18/26  
R.C.E. 63106

**CITY OF FONTANA, CALIFORNIA**  
STREET IMPROVEMENT PLAN

**MALOOF AVE**  
PAVEMENT REHABILITATION  
TYPICAL SECTIONS & DETAILS

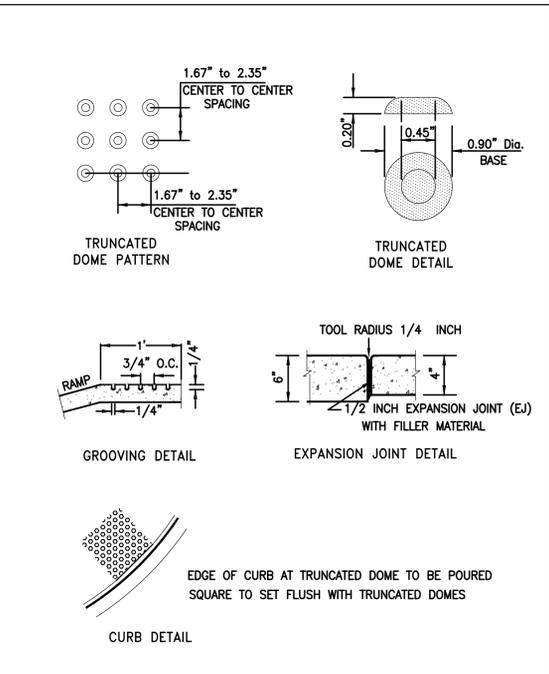
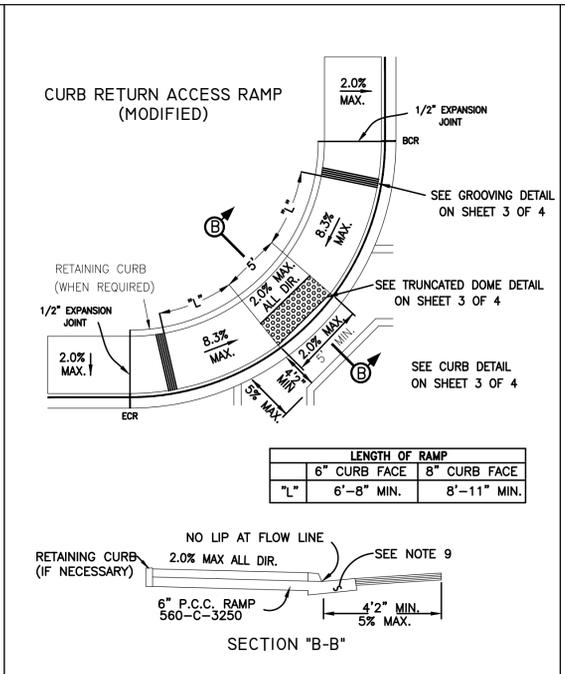
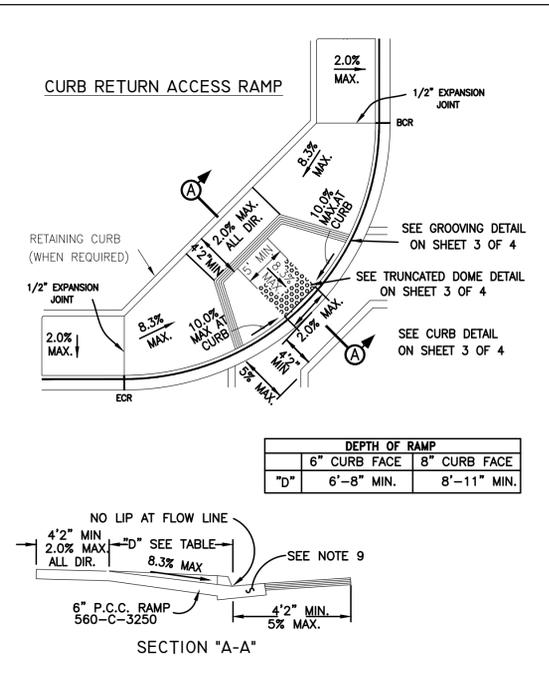
SCALE: AS SHOWN  
DATE: 2/18/26  
DRAWING NO.: 6612 3/5

CHECKED BY: TR / SM  
APPROVED BY: [Signature]  
DATE: 02/18/26  
R.C.E. 62296



- CROSS GUTTER AND SPANDREL NOTES:
- CROSS GUTTERS AND SPANDRELS SHALL BE POURED MONOLITHICALLY.
  - CONCRETE FOR CROSS GUTTERS AND SPANDRELS SHALL BE CLASS 560-C-3250.
  - EXPANSION JOINTS AT BCR'S AND ECR'S SHALL BE SEALED AND FORMED WITH FILLER. SEALANT SHALL BE PER GREENBOOK 201-3.4 TYPE 'A' SEALANT AND FILLER SHALL BE PER GREENBOOK 201-3.2 'PREMOLDED JOINT FILLER.'
  - FOR LOCAL STREETS, EIGHT FOOT CROSS GUTTERS SHALL BE USED.

	APPROVED BY:	CITY OF FONTANA		APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____	DATE 10/23/23		CROSS GUTTER AND SPANDREL STD. PLAN NO. 1013 DWG. 1/2	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____



- NOTES:
- RAMP GRADES SHALL BE STAKED FOR INSPECTION PRIOR TO PLACEMENT OF CONCRETE.
  - IF THE DIFFERENCE IN ELEVATION BETWEEN THE BCR AND THE ECR IS GREATER THAN 1.5' THAN AN ENGINEERED PLAN INCLUDING ELEVATIONS IS REQUIRED.
  - RELATIVE COMPACTION REQUIREMENT FOR TOP 12" OF SUBGRADE IS 95%. WHEN BASE MATERIAL IS USED UNDER STREET PAVEMENT, THE SAME BASE MATERIAL SHALL ALSO BE PLACED UNDER THE RAMP.
  - RAMP SHALL BE CONSTRUCTED OF CLASS 560-C-3250 CONCRETE WITH A MINIMUM THICKNESS OF 6".
  - CONCRETE THICKNESS SHALL BE 6 INCHES FROM ECR TO BCR UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
  - RAMP SHALL BE CONSTRUCTED WITH NO LIP AT THE FLOW LINE.
  - RAMP SURFACE SHALL HAVE A BROOMED FINISH TRANSVERSE TO THE DIRECTION OF TRAVEL.
  - THE DETECTABLE WARNING SURFACE SHALL BE PREFABRICATED SURFACE, RIGID, COLORFAST AND UV STABLE, YELLOW COLOR COMPLYING WITH FEDERAL STANDARD 595B, COLOR No. 33538 "ADA REPLACEABLE (WET SET) COMPOSITE TACTILE UNITS" AS MANUFACTURED BY ADA SOLUTIONS, ARMOR-TILE, OR APPROVED EQUAL. THE EDGE OF THE DETECTABLE WARNING SURFACE ADJACENT TO THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOW LINE.
  - CONTRACTOR SHALL INSTALL 3" EXPANSION JOINT FILLER AT BCR AND ECR.
  - COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO AND WITHIN 2' OF THE CURB RAMP SHALL NOT BE STEEPER THAN 5%. GUTTER PAN SLOPE SHALL NOT EXCEED 1" OF DEPTH FOR EACH 2'-0" OF WIDTH.
  - RETAINING CURBS ARE REQUIRED WHEN EXISTING LANDSCAPE IS 2" OR HIGHER AT ANY POINT ABOVE THE NEWLY CONSTRUCTED RAMP. CURBS SHALL HAVE A 4" MINIMUM HEIGHT AND BE AT LEAST 2" ABOVE EXISTING LANDSCAPE.
  - FOR DIMENSIONS NOT SHOWN, REFER TO CALTRANS STANDARD A88A, A88B AND ADA SECTION 4.29 OF 28 CFR PART 36.

INTERSECTION OF:	MINIMUM RADIUS:
LOCAL/LOCAL	25'
LOCAL/COLLECTOR	30'
LOCAL/PRIMARY	30'
LOCAL/MAJOR	35'
LOCAL/TRUCK ROUTE	35'
COLLECTOR/COLLECTOR	35'
COLLECTOR/PRIMARY	35'
COLLECTOR/MAJOR	35'
COLLECTOR/TRUCK ROUTE	50'
PRIMARY/PRIMARY	35'
PRIMARY/MAJOR	50'
PRIMARY/TRUCK ROUTE	50'
MAJOR/MAJOR	50'
MAJOR/TRUCK ROUTE	50'
TRUCK ROUTE/TRUCK ROUTE	50'

	APPROVED BY:	CITY OF FONTANA		APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____	DATE 10/23/23		CURB RETURN ACCESS RAMP STD. PLAN NO. 1003 DWG. 1/5	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____

	APPROVED BY:	CITY OF FONTANA		APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____	DATE 10/23/23		MODIFIED CURB RETURN ACCESS RAMP STD. PLAN NO. 1003 DWG. 2/5	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____

	APPROVED BY:	CITY OF FONTANA		APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____	DATE 10/23/23		CURB RETURN ACCESS RAMP CONSTRUCTION NOTES STD. PLAN NO. 1003 DWG. 4/5	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____

	APPROVED BY:	CITY OF FONTANA		APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____	DATE 10/23/23		CURB RETURN ACCESS RAMP CONSTRUCTION NOTES STD. PLAN NO. 1003 DWG. 4/5	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____

	APPROVED BY:	CITY OF FONTANA		APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____	DATE 10/23/23		CURB RETURN ACCESS RAMP CONSTRUCTION NOTES STD. PLAN NO. 1003 DWG. 4/5	CITY ENGINEER GIA LAM KIM DRAWN BY: _____ DT _____



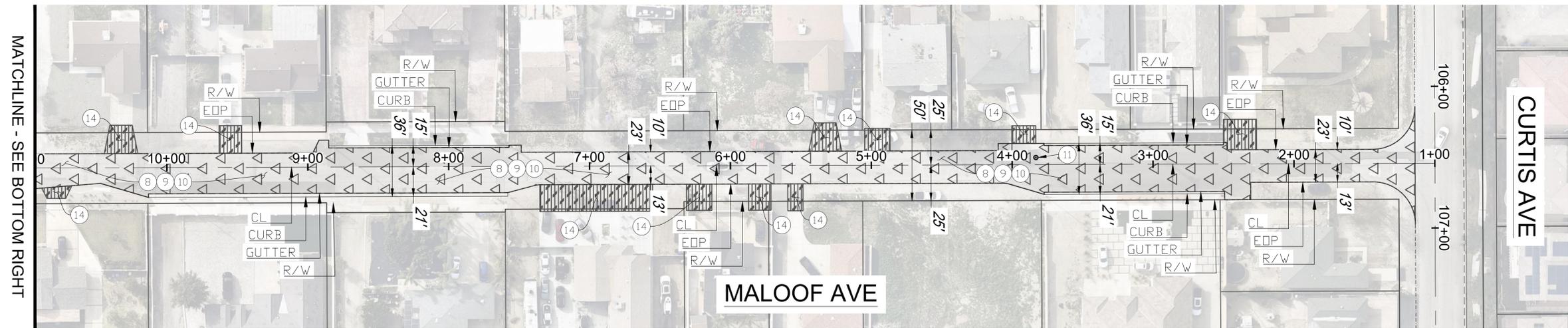
REV.	REVISION DESCRIPTION	DATE	ENGR.	CITY	DATE

SHOULD CONSTRUCTION OF THE REQUIRED IMPROVEMENTS NOT COMMENCE WITHIN TWO YEARS OF THE DATE OF APPROVAL SHOWN HEREON AND CARRIED FORTH IN A DILIGENT MANNER, THE CITY ENGINEER MAY REQUIRE REVISIONS TO THE PLANS TO BRING THEM INTO CONFORMANCE WITH STANDARDS IN EFFECT.

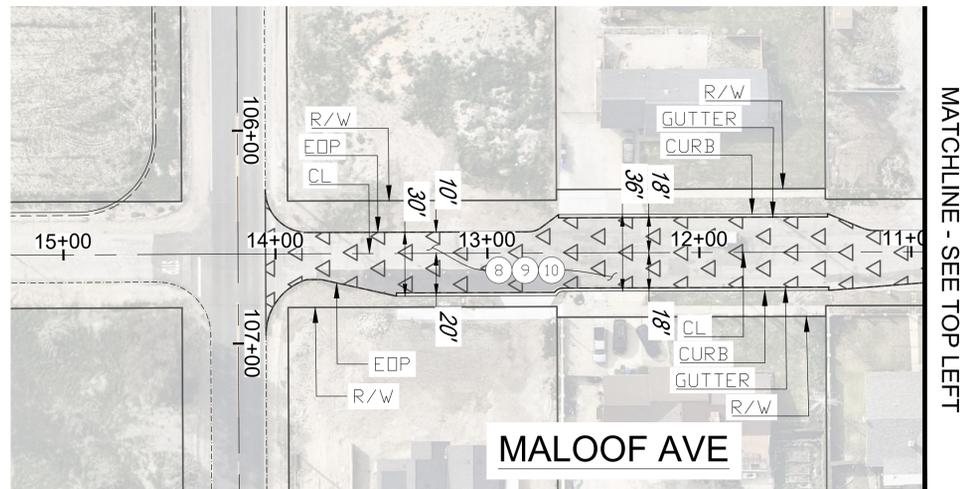


Prepared Under The Supervision Of :  
 Jeffrey Kim  
 Date: 02/18/26  
 R.C.E. 63106

CITY OF FONTANA, CALIFORNIA			
STREET IMPROVEMENT PLAN			
DRAWN BY:	CR	SCALE:	AS SHOWN
DESIGNED BY:	CR	DATE:	2/18/26
CHECKED BY:	TR / SM	DRAWING NO.:	6612 / 5
APPROVED BY:	GIA LAM KIM	CITY ENGINEER	DATE: 02/18/26 R.C.E. 62296



**SIERRA LAKES PKWY**



- CONSTRUCTION NOTES:**
- ⑧ REMOVE 4.5" DEPTH OF EXISTING AC PAVEMENT AND NATIVE MATERIAL, RECOMPACT TO 95% PER CITY OF FONTANA STD. PLAN NO. 1008
  - ⑨ CONSTRUCT 2.5" AC PAVMENT (C PG-64-10) PER CITY OF FONTANA STD PLAN NO. 1008
  - ⑩ CONSTRUCT 2" AC PAVMENT (C2 PG-64-10) PER CITY OF FONTANA STD PLAN NO. 1008
  - ⑪ ADJUST EXISTING MANHOLE TO GRADE PER GREENBOOK SECTION 403 AND CITY OF FONTANA STD. PLAN NO. 2000, INCLUDING FINISH PAVING. MANHOLES TO BE LOWERED AND FALSE BOTTOMS ARE TO BE INSTALLED BEFORE CONSTRUCTION BEGINS. PROTECTION WILL STAY IN PLACE UNTIL MANHOLES ARE RESTORED TO PREVENT ANY DEBRIS ENTERING EXISTING FACILITIES.
  - ⑭ TIE IN EXISTING DRIVEWAY WITH NEWLY PAVED STREET, REMOVE EXISTING ASPHALT DRIVEWAY APRON AND CONSTRUCT 4.5" ASPHALT DRIVEWAY APRON.
  - ⑮ PLACE SHOULDER/EDGE BACKING PER DETAIL ON SHEET 3

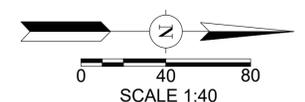
NOTE: REFERENCE TYPICAL SECTIONS 1, 2, 3, AND 4 ON SHEET 3

NOTE: ALL STRIPING, LEGENDS, AND REFLECTORS SHALL BE INSTALLED IN-KIND PER SPECIAL PROVISIONS E-SECTION UNLESS OTHERWISE SPECIFIED.

**HATCH LEGEND:**

- PROPOSED AC REMOVAL AND REPLACEMENT
- ASPHALT DRIVEWAY APRON REMOVAL AND REPLACEMENT

NOTE: PLACE SHOULDER/EDGE BACKING FOR ALL EDGE OF PAVEMENT AND ASPHALT DRIVEWAYS. REF CONSTRUCTION NOTE 15 FOR DETAIL.



REV.	REVISION DESCRIPTION	DATE	ENGR.	CITY	DATE

SHOULD CONSTRUCTION OF THE REQUIRED IMPROVEMENTS NOT COMMENCE WITHIN TWO YEARS OF THE DATE OF APPROVAL SHOWN HEREON AND CARRIED FORTH IN A DILIGENT MANNER, THE CITY ENGINEER MAY REQUIRE REVISIONS TO THE PLANS TO BRING THEM INTO CONFORMANCE WITH STANDARDS IN EFFECT.



Prepared Under The Supervision Of :  
*Jeffrey Kim*  
 Date: 02/18/26  
 JEFFREY KIM R.C.E. 63106

CITY OF FONTANA, CALIFORNIA		SCALE: AS SHOWN
STREET IMPROVEMENT PLAN		DATE: 2/18/26
DRAWN BY: CR	MALOOF AVE PAVEMENT REHABILITATION CONSTRUCTION SHEET	DRAWING NO.: 6612
DESIGNED BY: CR		5/5
CHECKED BY: TR / SM	APPROVED BY: <i>Gia Lam Kim</i> GIA LAM KIM CITY ENGINEER	DATE: 02/18/26 R.C.E. 62296