

CITY OF FONTANA  
STREET IMPROVEMENT PLANS  
SIERRA AVENUE & UPLAND AVENUE

GENERAL NOTES

1. 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.
2. WHEN A TECHNICAL CONFLICT IS FOUND TO EXIST IN THE CONTRACT DOCUMENTS 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.
3. ALL MATERIALS AND METHODS ARE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.
4. 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.
5. THE CONTRACTOR SHALL CONFORM TO ALL TRAFFIC CONTROL POLICIES, METHODS AND PROCEDURES DESCRIBED IN THE STATE OF CALIFORNIA MANUAL OF TRAFFIC CONTROLS, LATEST NON-METRIC EDITION UNLESS OTHERWISE DIRECTED BY THE CITY TRAFFIC ENGINEER.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN BARRICADES, DELINEATORS OR OTHER TRAFFIC CONTROL DEVICES AT ALL TIMES.
7. 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.
8. 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.
9. NO MATERIAL OR EQUIPMENT SHALL BE STORED IN THE PUBLIC RIGHT OF WAY WITHOUT OBTAINING A SEPARATE PERMIT FOR THAT PURPOSE.
10. 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 THERETO. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT 1-800-227-2600 TWO WORKING DAYS BEFORE EXCAVATION.
11. 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.
12. THE CONTRACTOR SHALL NOT OPERATE ANY FIRE HYDRANT OR WATER MAIN VALVES WITHOUT APPROPRIATE AGENCY AUTHORIZATION. CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE WATER COMPANY FOR VALVE OPERATION AND WATER REQUIREMENTS.
13. CURVE DATA REFERS TO THE FACE OF CURB.
14. STATIONING REFERS TO THE CENTERLINE OF STREETS EXCEPT WHERE OTHERWISE NOTED.
15. 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.
16. THE CONTRACTOR SHALL NOT DISTURB EXISTING SURVEY MONUMENTS, MONUMENT TIES OR BENCH MARKS WITHOUT PRIOR NOTIFICATION TO THE CITY ENGINEER.
17. 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. THE CONTRACTOR SHALL NOTIFY THE ENGINEER ONE WEEK PRIOR TO CONSTRUCTION SO THAT TIES TO MONUMENTS CAN BE ESTABLISHED FOR LATER REPLACEMENT OF THE MONUMENT.
18. 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.
19. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFECTIVE MEANS OF DUST CONTROL, INCLUDING ADEQUATE WATERING, AT ALL TIMES.

20. ALL GRADING OPERATIONS SHALL BE DISCONTINUED WHEN SUSTAINED WIND VELOCITIES EXCEED 25 MILES PER HOUR.
21. 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.
22. NO TRENCH BACKFILL SHALL TAKE PLACE WITHOUT PRIOR APPROVAL OF THE CITY INSPECTOR.
23. 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.
24. 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.
25. 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.
26. ALL EXPOSED CONCRETE SURFACES SHALL CONFORM IN GRADE, COLOR AND FINISH TO MATCH EXISTING CONCRETE.
27. THE SEWER CONTRACTOR SHALL STAMP AN "S" IN THE FACE OF THE CURB AT THE LOCATION OF THE SEWER LATERAL.
28. NO CONCRETE SHALL BE PLACED UNTIL THE FORMS AND REINFORCING STEEL HAVE BEEN PLACED, INSPECTED AND APPROVED.
29. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED, TESTED AND APPROVED PRIOR TO PAVING OF STREETS.
30. APPROVED SOIL STERILANT IS REQUIRED UNDER ALL NEW ASPHALT PAVEMENT PRIOR TO PLACEMENT.
31. PAVEMENT STRUCTURAL SECTIONS SHOWN ARE MINIMUM AND SUBJECT TO REVISION AND APPROVAL OF THE CITY ENGINEER AS DETERMINED BY SOILS TESTS TAKEN AFTER COMPLETION OF ROUGH GRADING.
32. ACTUAL THICKNESS OF A.C. PAVEMENT AND/OR BASE COURSE MATERIAL FOR STRUCTURAL STREET SECTIONS SHALL BE RECOMMENDED BY A GEOTECHNICAL REPORT AND SUBMITTED TO THE CITY OF FONTANA FOR APPROVAL UPON COMPLETION OF ROUGH GRADING.
33. ALL MANHOLES, CLEANOUT FRAMES, COVERS AND VALVE BOXES SHALL BE RAISED TO FINISHED GRADE BY THE PAVING CONTRACTOR UPON COMPLETION OF PAVING.
34. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL RESTORE ALL SIGNING, STRIPING, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
35. CONTRACTOR SHALL RELOCATE AND/OR REPLACE LANDSCAPING, SPRINKLERS AND SIDEWALKS AFFECTED BY THE CONSTRUCTION TO THE SATISFACTION OF THE CITY ENGINEER.
36. AS-BUILT DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER OF RECORD, WHO SHALL PROVIDE RECORD DRAWINGS TO THE CITY ENGINEER.

PRIVATE ENGINEER'S NOTE

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSUMING THE ACCURACY AND ACCEPTABILITY OF THE WORK HERE ON, BASED ON TOPOGRAPHIC SURVEY PROVIDED BY THE CITY OF FONTANA. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

UTILITY PROVIDERS

**ELECTRICITY**  
SOUTHERN CALIFORNIA EDISON  
7951 REDWOOD AVENUE  
FONTANA, CA 92336  
(909) 357-6203

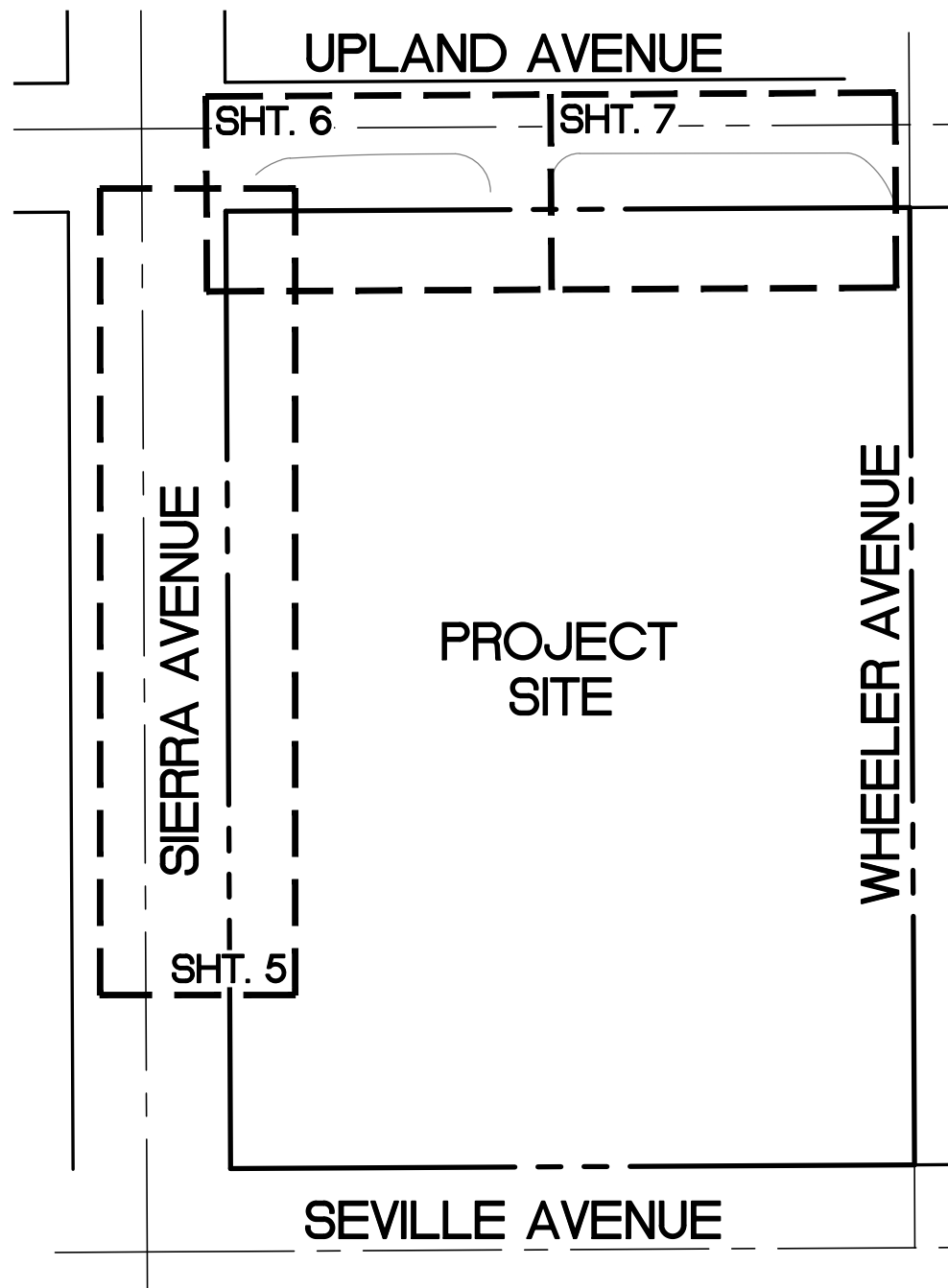
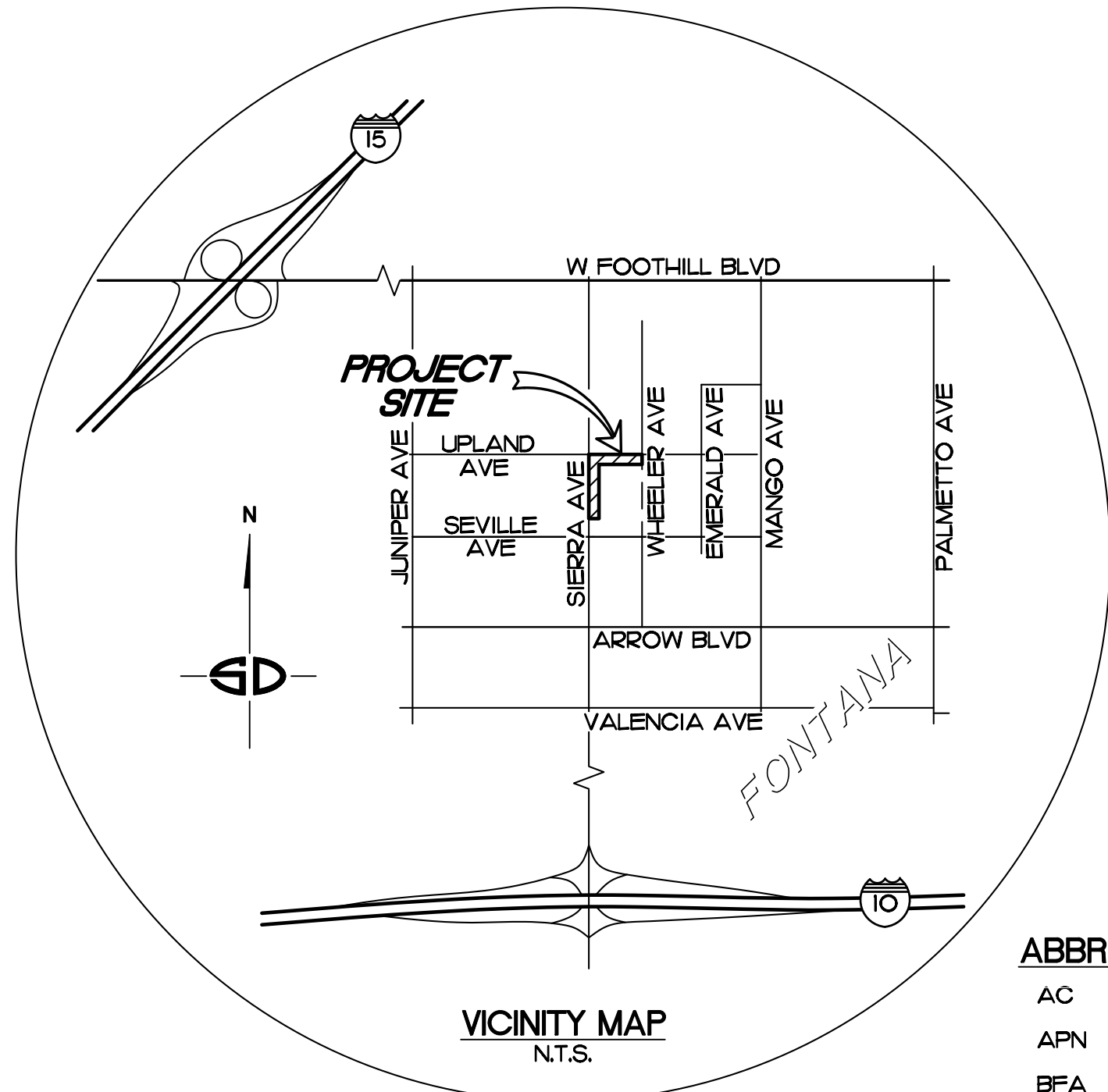
**WATER**  
FONTANA WATER CO.  
15966 ARROW ROUTE  
FONTANA, CA 92335  
(909) 822-2201

**SEWER**  
CITY OF FONTANA  
8353 SIERRA AVENUE  
FONTANA, CA 92335  
(909) 350-7610

**GAS**  
SOUTHERN CALIFORNIA GAS CO.  
1981 W. LUGONIA AVENUE  
REDLANDS, CA 92374  
(800) 427-2200

**TELEPHONE**  
AT&T  
3939 E. CORONADO STREET  
ANAHEIM, CA 92807  
(714) 237-6155

**CABLE**  
SPECTRUM  
1500 AUTO CENTER DRIVE  
ONTARIO, CA 91761  
(800) 892-2253



SHEET INDEX MAP  
N.T.S.

ABBREVIATIONS

- AC - INDICATES ASPHALT  
APN - INDICATES ASSESSORS PARCEL NUMBER  
BFA - INDICATES BACKFLOW ASSEMBLY  
BLDG - INDICATES BUILDING  
CB - INDICATES CATCH BASIN  
CL - INDICATES CENTERLINE  
C.O.F. - INDICATES CITY OF FONTANA  
CONC - INDICATES CONCRETE  
EVA - INDICATES EMERGENCY VEHICLE ACCESS  
EXIST. - INDICATES EXISTING  
FDC - INDICATES FIRE DEPARTMENT CONNECTION  
FH - INDICATES FIRE HYDRANT  
FL - INDICATES FLOW LINE  
FO - INDICATES FIBER OPTIC  
G - INDICATES GAS  
IE - INDICATES INVERT ELEVATION  
LA - INDICATES LANDSCAPE AREA  
MIN. - INDICATES MINIMUM  
N.T.S. - INDICATES NOT TO SCALE  
R - INDICATES PROPERTY LINE  
PIV - INDICATES POST INDICATOR VALVE  
R/W - INDICATES RIGHT OF WAY  
S - INDICATES SEWER  
SBODPW - INDICATES SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS  
SCE - INDICATES SOUTHERN CALIFORNIA EDISON  
SHT. - INDICATES SHEET  
SMH - INDICATES SEWER MAN-HOLE  
SPPWC - INDICATES STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION  
S - INDICATES SEWER  
STD - INDICATES STANDARD  
TC - INDICATES TOP OF CURB  
TG - INDICATES TOP OF GRATE  
TS - INDICATES TRAFFIC SIGNAL  
TYP. - INDICATES TYPICAL  
TRANS. - INDICATES TRANSITION  
W - INDICATES WATER

CONSTRUCTION NOTES

\*THE QUANTITIES SHOWN HEREON ARE ESTIMATES ONLY. CONTRACTORS SHALL PREPARE THEIR OWN QUANTITIES AND BID A COMPLETE JOB.

IMPROVEMENT	CN/REMOVAL NODE	DETAIL	SYMBOL	QUANTITY
PROPERTY LINE			---	
RIGHT OF WAY			---	
EXISTING CONTOUR			---1290---	
EXISTING CONCRETE PAVEMENT	J	TO REMAIN	[Symbol]	
EXISTING A.C. PAVEMENT			[Symbol]	
EXISTING 6"/8" CURB/GUTTER	A P	TO REMAIN	[Symbol]	
EXISTING OVER-HEAD LIGHT			[Symbol]	
EXISTING FIRE HYDRANT	C	REMOVE/RELOCATE	[Symbol]	
EXISTING TREE W/ TRUNK DIAMETER	E F	REMOVE/PROTECT IN-PLACE	[Symbol]	
EXISTING SIGN	D	REMOVE/REPLACE	[Symbol]	
EXISTING STREET LIGHT	G	PROTECT IN-PLACE	[Symbol]	
EXISTING STORM DRAIN			---	
EXISTING ELECTRICAL			E	
EXISTING WATER			W	
EXISTING SEWER			S	
EXISTING FIBER OPTIC			FO	
EXISTING GAS			G	
EXISTING TRAFFIC SIGNAL			TS	
EXISTING WALL			---	
PROPOSED AC PAVEMENT & BASE	2 4	C.O.F. STD. PLAN 1008	[Symbol]	39.6 TONS 1,417 SF
PROPOSED AC GRIND & OVERLAY	3	C.O.F. STD. PLAN 1008	[Symbol]	431 TONS 3,492 SF
PROPOSED 4" PCC SIDEWALK (REMOVE & REPLACE SIDEWALK)	5	C.O.F. STD. PLAN 1006	[Symbol]	6,414 SF
PROPOSED LANDSCAPE AREA (SEE LANDSCAPE PLANS)		SHT. 16	[Symbol]	1,436 SF
PROPOSED 8" PCC PAVEMENT (EMERGENCY VEHICLE ACCESS)	15	C.O.F. STD. PLAN 1001 & DETAIL 4, SHT. 3	[Symbol]	277 SF
PROPOSED TURF STONE BLOCK	19		[Symbol]	313 SF
PROPOSED MONUMENT SIGN (SEE ARCHITECT PLANS)	7		[Symbol]	3 EA
PROPOSED STREET TREE (SEE LANDSCAPE PLANS)	13	SHT. 16	[Symbol]	15 EA
PROPOSED CONTOUR (1-FOOT)			1293 1293.79	
PROPOSED SPOT ELEVATION				
CONSTRUCT 6" CONCRETE CURB	10	C.O.F. STD. PLAN 1000	[Symbol]	363 LF
CONSTRUCT 6"/8" CONCRETE CURB & 18" GUTTER	11 4	C.O.F. STD. PLAN 1000	[Symbol]	312 LF
CONSTRUCT TYPE B ROLLED CURB & ROLLED TRANSITION	6	DETAIL 1, SHT. 3	[Symbol]	43 LF
CONSTRUCT PARKWAY DRAIN	8	SPPWC STD. PLAN 151-3	[Symbol]	1 EA
PROPOSED FIRE HYDRANT	12		[Symbol]	1 EA
RELOCATE EXISTING SIGN	9	C.O.F. STD. PLAN 4003	[Symbol]	3 EA
SAWOUT & MATCH EXIST. SURFACE FLUSH	1		[Symbol]	447 LF
DIRECTION OF FLOW			[Symbol]	
PROPOSED DEMOUNTABLE POST	16	DETAIL 2, SHT. 4	[Symbol]	5 EA
PROPOSED ELECTRICAL SITE LIGHTING (SEE ELECTRICAL SITE LIGHTING PLAN)			[Symbol]	4 EA

SHEET INDEX

NO.	DESCRIPTION
1	TITLE SHEET
2-4	SECTIONS / DETAILS
5	STREET IMPROVEMENT SIERRA AVENUE
6-7	STREET IMPROVEMENT UPLAND AVENUE-PLAN/PROFILE
8	SIGNING & STRIPING SIERRA AVENUE PLAN
9	SIGNING & STRIPING UPLAND AVENUE PLAN
10-17	LANDSCAPE & IRRIGATION PLANS
18-20	ELECTRICAL SITE LIGHTING PLAN

CITY DWG. NO.  
6569

ELPC25-00080/MCN23-00080

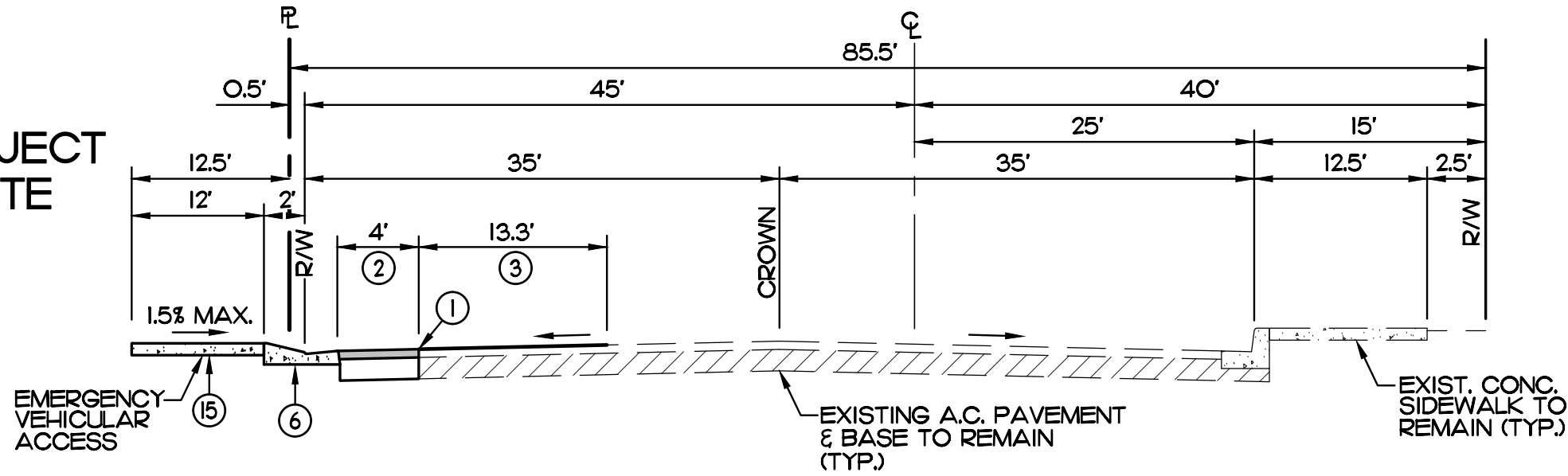
<b>BASIS OF BEARINGS</b> THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS N00°17'04"W ON RECORD OF SURVEY NO. 99-0136, FILED IN BOOK 113, PAGE 65, IS THE BASIS OF BEARINGS FOR THIS SURVEY.	<b>BENCH MARK</b> CITY OF FONTANA BENCHMARK # 156 TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE ELEVATION: 1297.54	<b>DIG ALERT</b> DIAL BEFORE YOU DIG TOLL FREE 1-800-227-2600 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT	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 :  Date : 12/15/25 WILLIAM A. SNIPES R.C.E. 50477 EXP. 06-30-27	<b>CITY OF FONTANA, CALIFORNIA</b> <b>STREET IMPROVEMENT PLAN</b> DRAWN BY: JGF DESIGNED BY: CPE/JGF CHECKED BY: WAS TITLE SHEET SIERRA AVENUE & UPLAND AVENUE APPROVED BY: [Signature] DATE: 12/22/25 CITY ENGINEER SCALE: AS SHOWN DATE: 12/15/25 DRAWING NO.: 6569 1/20
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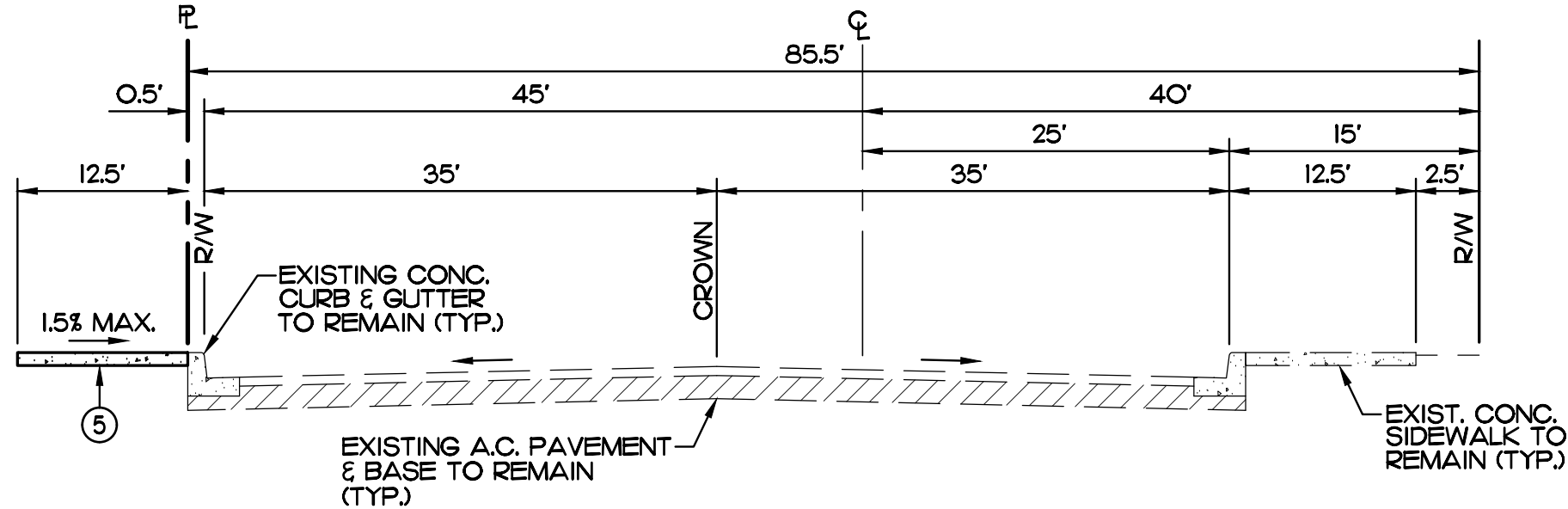
CONSTRUCTION NOTES

- ① SAWCUT & MATCH EXIST. SURFACE FLUSH (TYP.).
- ② CONSTRUCT 6.5" AC PAVEMENT OVER 12" MIN. 95% COMPACTED NATIVE SUBGRADE PER C.O.F. STD. PLAN NO. 1008 AND DETAIL 3, SHT. 3.
- ③ COLD PLANE EXISTING AC MIN. 0.17' DEPTH & OVERLAY TO MATCH EXISTING PER C.O.F. STD. PLAN NO. 1008, DETAIL 1, SHT. 4.
- ④ CONSTRUCT 8" CONCRETE CURB AND 18" GUTTER PER C.O.F. STD. PLAN NO. 1000, DETAIL 1, SHT. 2.
- ⑤ PROPOSED CONCRETE SIDEWALK. REMOVE & REPLACE SIDEWALK PER C.O.F. STD. PLAN NO. 1006, DETAIL 2, SHT. 2. SEE BLDG. PERMIT LANDSCAPE ARCHITECT PLANS FOR COLOR, PATTERN, TEXTURE, FINISH AND CONTROL JOINTS.
- ⑥ CONSTRUCT TYPE B ROLLED CURB AND ROLLED CURB TRANSITION PER DETAIL 1, SHT. 3, EXISTING C.O.F. STD. PLAN NO. 1008 8" CURB AND GUTTER TO NEW ROLLED G-4A CURB.
- ⑩ CONSTRUCT 6" CONCRETE CURB PER C.O.F. STD. PLAN NO. 1000, DETAIL 1, SHT. 2.
- ⑪ CONSTRUCT 6" CONCRETE CURB AND 18" GUTTER PER C.O.F. STD. PLAN NO. 1000, DETAIL 1, SHT. 2.
- ⑭ CONSTRUCT 4" AC PAVEMENT OVER 12" MIN. 95% COMPACTED NATIVE SUBGRADE PER C.O.F. STD. PLAN NO. 1008 AND DETAIL 3, SHT. 3.
- ⑮ CONSTRUCT 8" PCC PAVEMENT PER C.O.F. STD. PLAN NO. 1001, DETAIL 3, SHT. 4 & DETAIL 4, SHT. 3.
- ⑰ CONSTRUCT AC PAVEMENT PER DETAIL 5, SHT. 3.

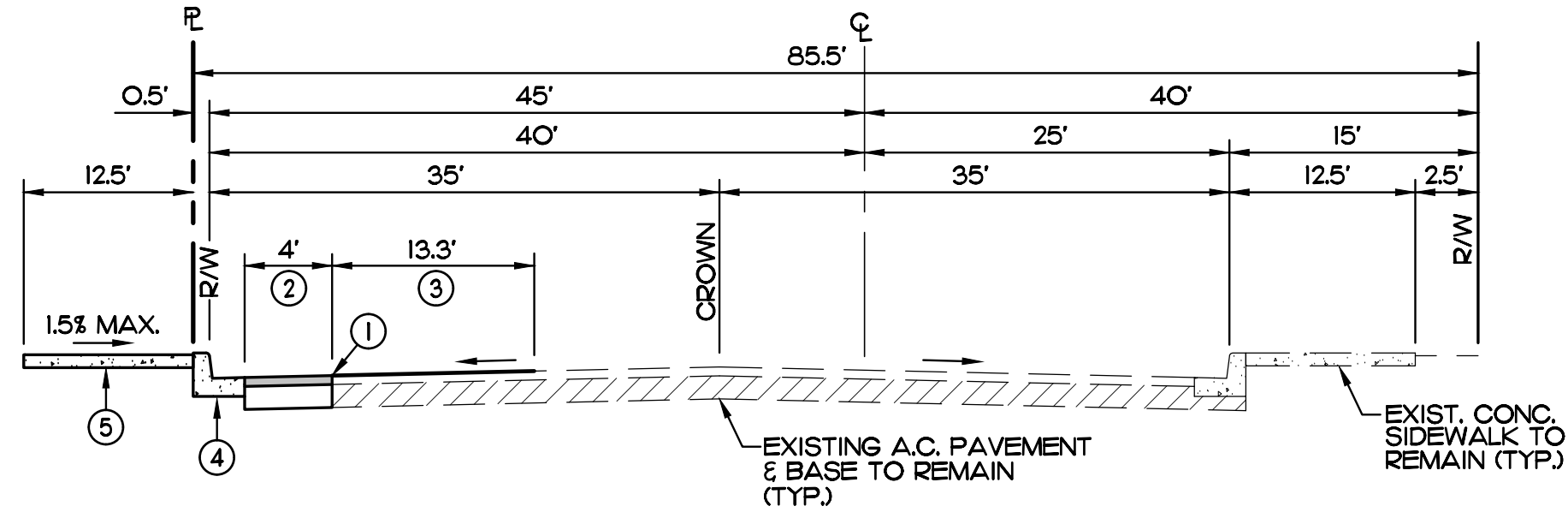
PROJECT SITE



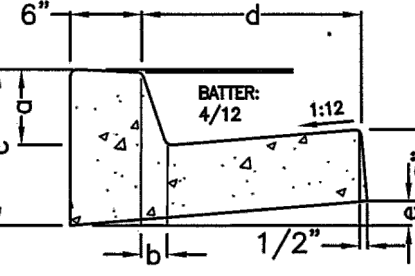
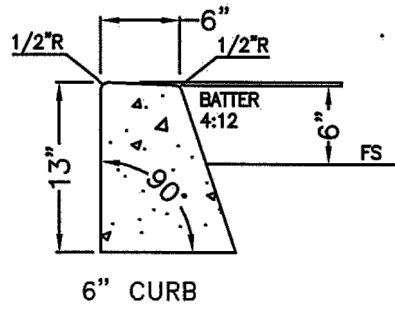
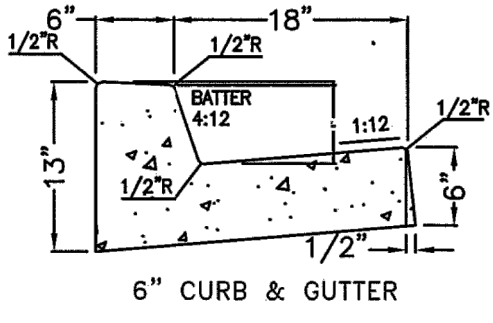
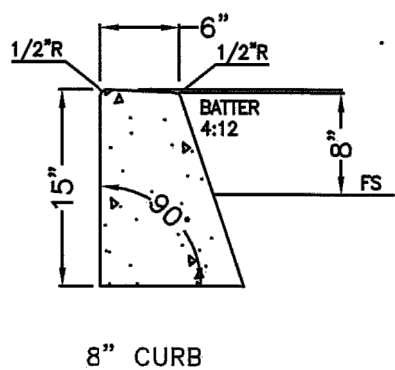
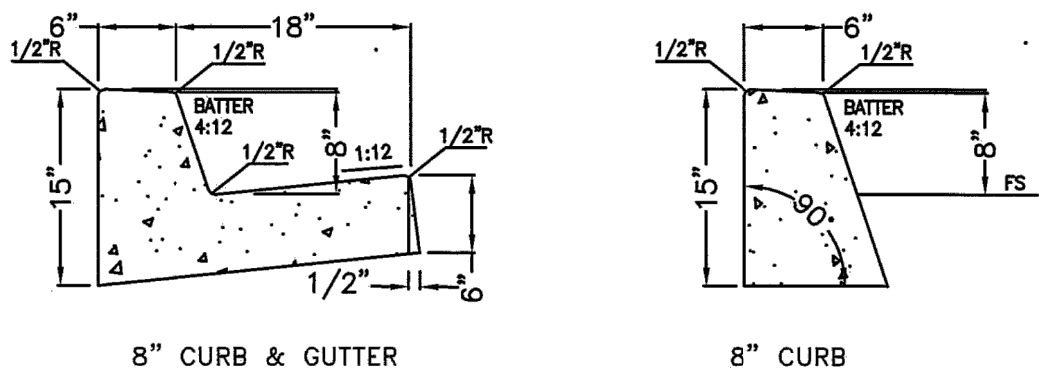
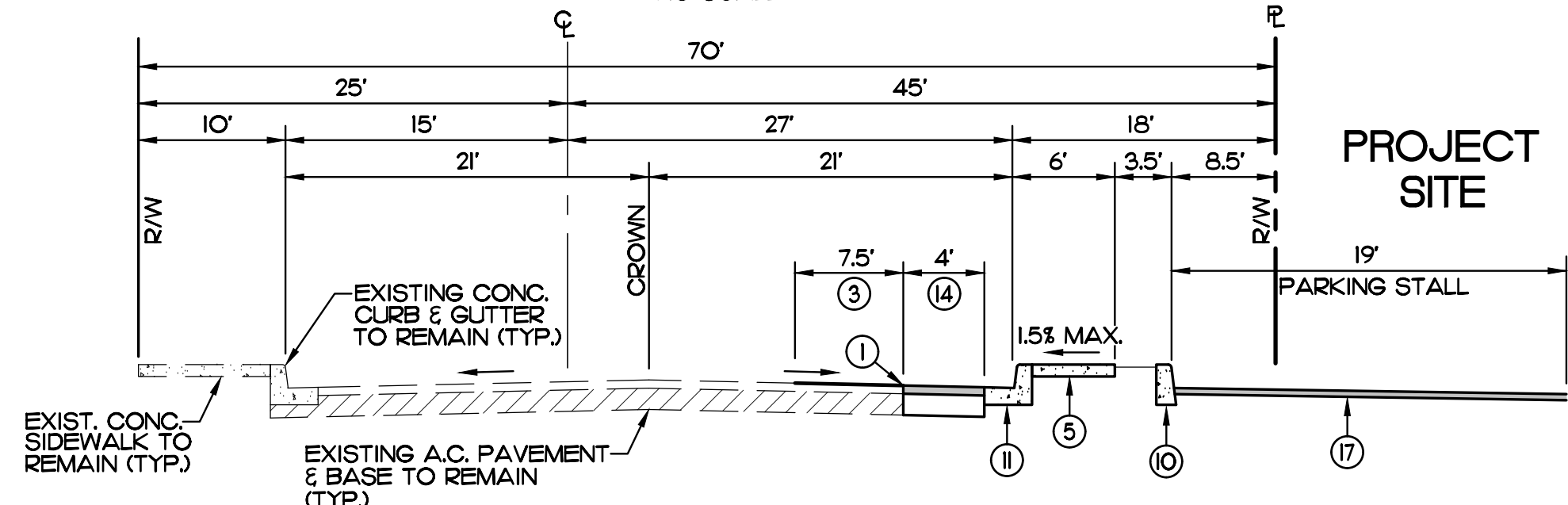
PROJECT SITE



PROJECT SITE



PROJECT SITE



DIMENSIONS OF CURB			DIMENSIONS OF GUTTER	
Face (a)	Batter (b)	Back (c)	Width (d)	Rise (e)
6"	2"	13"	18"	1-1/2"
8"	2-3/8"	15"	18"	2"

NOT TO SCALE



APPROVED BY:

CITY ENGINEER  
GIA LAM KIM  
DRAWN BY: DT

CITY OF FONTANA

CURB & GUTTER

STD. PLAN NO. 1000 DWG. 1/2

NOTES:

1. RELATIVE COMPACTION REQUIREMENT FOR TOP 12" OF SUBGRADE IS 95%. WHEN BASE MATERIAL IS REQUIRED TO BE USED UNDER STREET PAVEMENT, THE SAME BASE MATERIAL SHALL ALSO BE PLACED UNDER CURB AND GUTTER.
2. NO FORMS SHALL BE PLACED UNTIL THE RELATIVE COMPACTION HAS BEEN TESTED AND APPROVED, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
3. ALL FORMWORK SHALL BE INSPECTED AND APPROVED PRIOR TO PLACEMENT OF CONCRETE.
4. THE CONTRACTOR SHALL USE 560-C-3250 CONCRETE UNLESS OTHERWISE APPROVED.
5. CURBS AND CURB AND GUTTERS SHALL HAVE WEAKENED PLANE JOINTS SPACED AT 10 FOOT INTERVALS. EXPANSION JOINTS SHALL BE PLACED AT 60 FOOT INTERVALS UTILIZING 1/2 INCH EXPANSION JOINT MATERIAL.
6. IMMEDIATELY AFTER FINISHING OPERATIONS ARE COMPLETE, THE CONTRACTOR SHALL PROVIDE BROOM FINISH AND APPLY WHITE CURING COMPOUND. ALL GUTTERS MUST HAVE 4" WIDE SHINER AT FLOW LINE.
7. THE CONTRACTOR SHALL PROTECT THE CONCRETE WORK FROM ALL TRAFFIC AND CONSTRUCTION EQUIPMENT FOR AT LEAST SEVEN DAYS UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
8. FOR ABRUPT CURB TERMINATIONS, 3 FT. CURB TRANSITIONS SHALL BE PROVIDED, SEPARATED WITH A WEAKENED PLANE JOINT.
9. FOR NEW DEVELOPMENT, UTILITY LOCATIONS SHALL BE STAMPED ON CURBS.



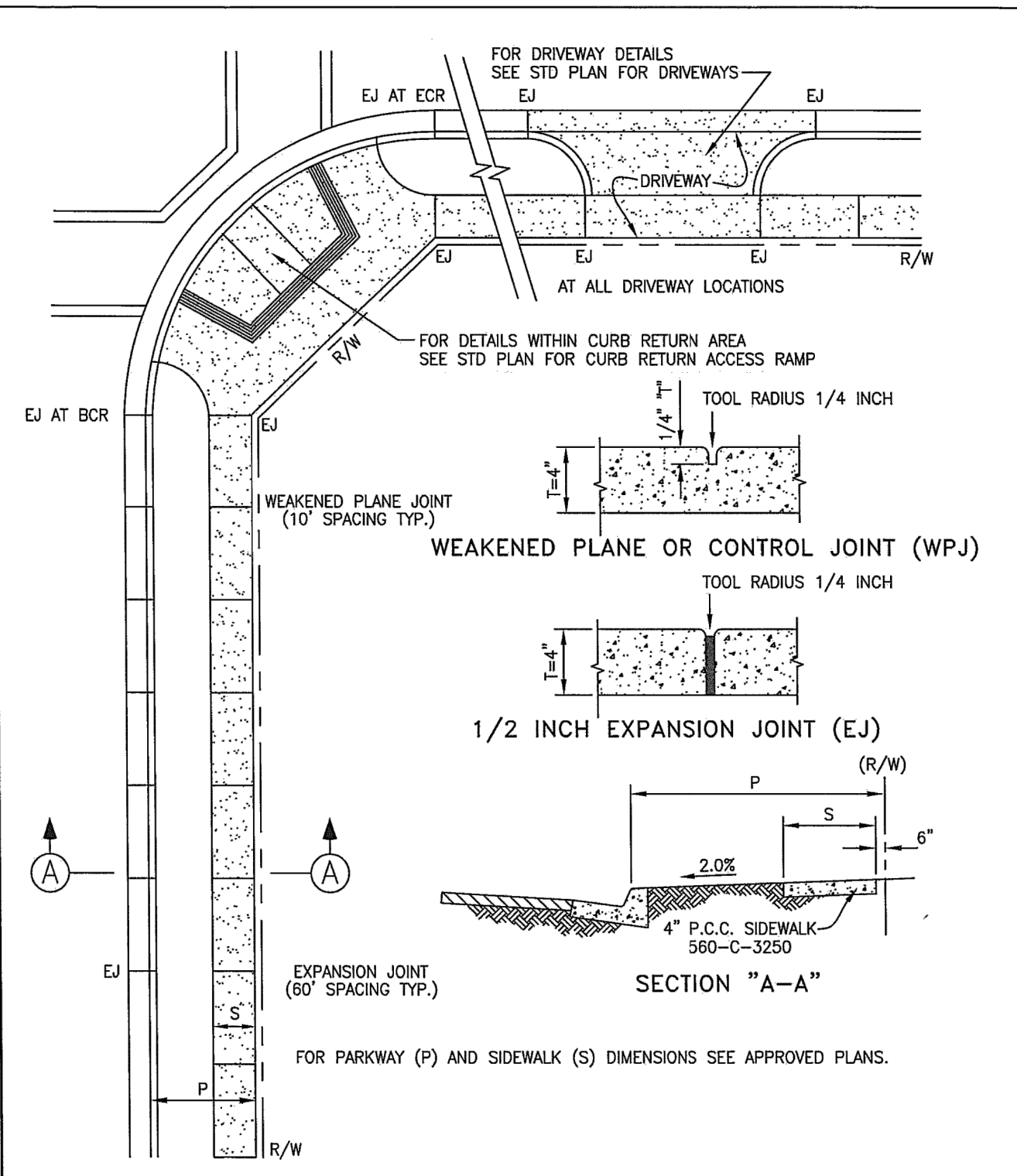
APPROVED BY:

CITY ENGINEER  
GIA LAM KIM  
DRAWN BY: DT

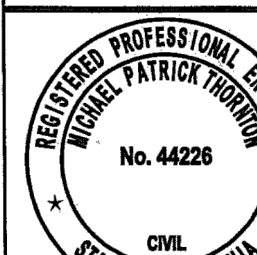
CITY OF FONTANA

CURB & GUTTER

STD. PLAN NO. 1000 DWG. 2/2



NOT TO SCALE



APPROVED BY:

INTERIM CITY ENGINEER  
MICHAEL THORNTON  
DATE: 7/18/22  
DRAWN BY: JP

CITY OF FONTANA

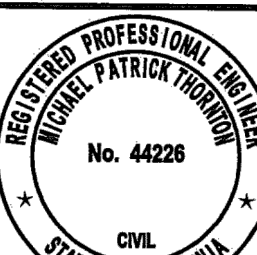
SIDEWALKS

STD. PLAN NO. 1006 SHT 1 OF 2

SIDEWALK CONSTRUCTION NOTES

1. ALL SIDEWALKS SHALL BE CONSTRUCTED AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), UNLESS OTHERWISE NOTED.
2. ALL SUBGRADE SHALL BE CONSTRUCTED TO GRADE AND CROSS SECTION PER CITY STANDARD PLANS FOR APPLICABLE STREET SECTION. TOLERANCES FOR SIDEWALKS AND CURBS AND GUTTERS SHALL BE PER THE GREEN BOOK.
3. SUBGRADE SHALL BE SCARIFIED AND COMPACTED TO A MINIMUM DEPTH OF 12 INCHES. 90% COMPACTION IS REQUIRED BEHIND THE CURB AND IN PARKWAY AREA. AFTER COMPACTION, THE SUBGRADE SHALL BE FREE OF UNSUITABLE MATERIALS.
4. ALL CONCRETE SHALL BE 560-C-3250 UNLESS OTHERWISE SPECIFIED.
5. CONCRETE SHALL BE OF THE SPECIFIED SLUMP AND WITHIN THE REQUIRED WATER/CEMENT RATIO.
6. ALL SIDEWALKS SHALL HAVE WEAKENED PLANE JOINTS SPACED AT 10 FOOT MAXIMUM INTERVALS. EXPANSION JOINTS SHALL BE PLACED AT 60 FOOT INTERVALS UTILIZING 1/2 INCH PREFORMED EXPANSION JOINT FILLER (BITUMINOUS) CONFORMING TO ASTM D994 AND SSPWC "GREENBOOK" SECTION 201-3.2.
7. A NORMAL EXPANSION JOINT MAY BE OMITTED IF IT FALLS WITHIN 10 FEET OF AN ADDITIONAL EXPANSION JOINT.
8. WEAKENED PLANE JOINTS SHALL BE 1/4 OF THE DEPTH OF THE CONCRETE BUT NOT LESS THAN 1 INCH.
9. TRANSIT MIXED CONCRETE DELIVERY TICKETS SHALL BE PROVIDED TO THE INSPECTOR PRIOR TO PLACING CONCRETE TO INSURE THAT THE CONCRETE MEETS SPECIFICATIONS.
10. ALL SURFACES SHALL BE TRUE AND STRAIGHT AND OF UNIFORM WIDTH, FREE OF HUMPS, SAGS, IRREGULARITIES AND IMPERFECTIONS. UNIFORM SURFACES SHALL NOT VARY MORE THAN 0.01 FOOT WHEN MEASURED WITH A 10 FOOT STRAIGHT EDGE.
11. ALL SURFACES SHALL RECEIVE A BROOM FINISH.
12. UPON COMPLETION OF FINISHING OPERATIONS ALL SURFACES SHALL BE SPRAYED WITH WHITE CURING COMPOUND.
13. CONCRETE REPAIRS SHALL BE MADE BY SAW CUTTING AND REMOVING THE ENTIRE PANEL.
14. SIDEWALKS WITHIN DRIVEWAYS SHALL BE CONSTRUCTED PER CITY STANDARD PLANS FOR DRIVEWAYS.

NOT TO SCALE



APPROVED BY:

INTERIM CITY ENGINEER  
MICHAEL THORNTON  
DATE: 7/18/22  
DRAWN BY: JP

CITY OF FONTANA

SIDEWALKS

STD. PLAN NO. 1006 SHT 2 OF 2

1 DETAIL  
NO SCALE

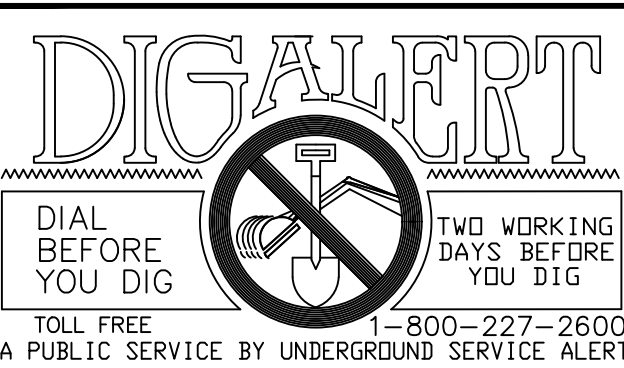
2 DETAIL  
NO SCALE

BASIS OF BEARINGS

THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS N00°17'04"W ON RECORD OF SURVEY NO. 99-0136, FILED IN BOOK 113, PAGE 65, IS THE BASIS OF BEARINGS FOR THIS SURVEY.

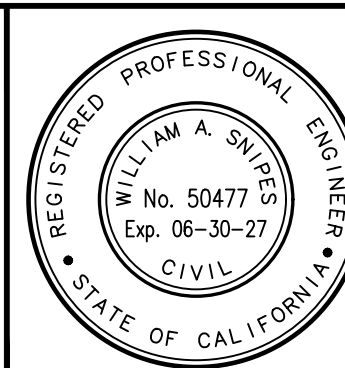
BENCH MARK

CITY OF FONTANA BENCHMARK # 156  
TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE  
ELEVATION: 1297.54



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.



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Snipes-Dye associates  
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8348 CENTER DRIVE, STE. 200 LA MESA, CA 91942  
TELEPHONE (619) 687-9244 FAX (619) 460-2033  
Date: 12/15/25  
WILLIAM A. SNIPES R.C.E. 50477 EXP. 06-30-27

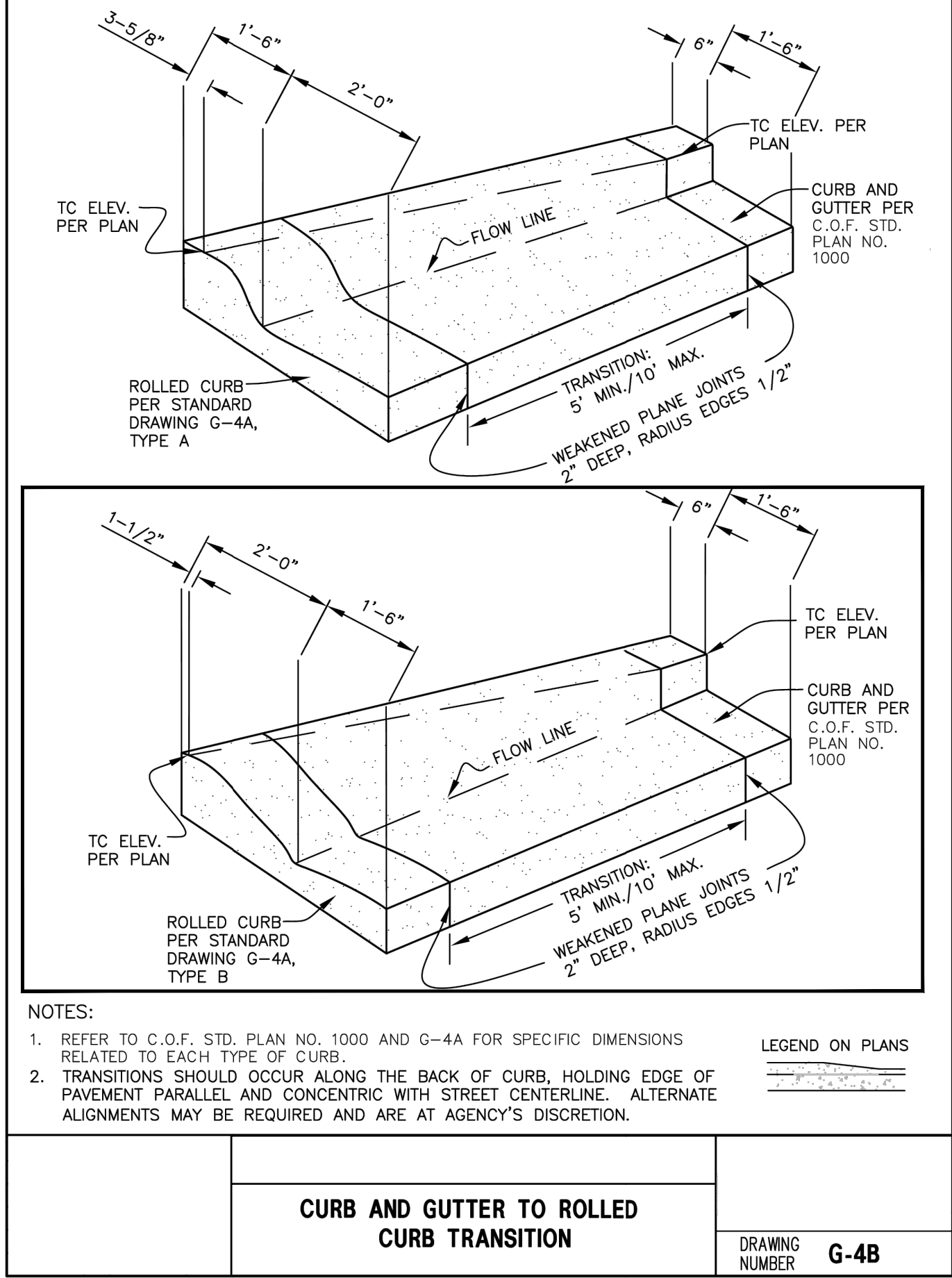
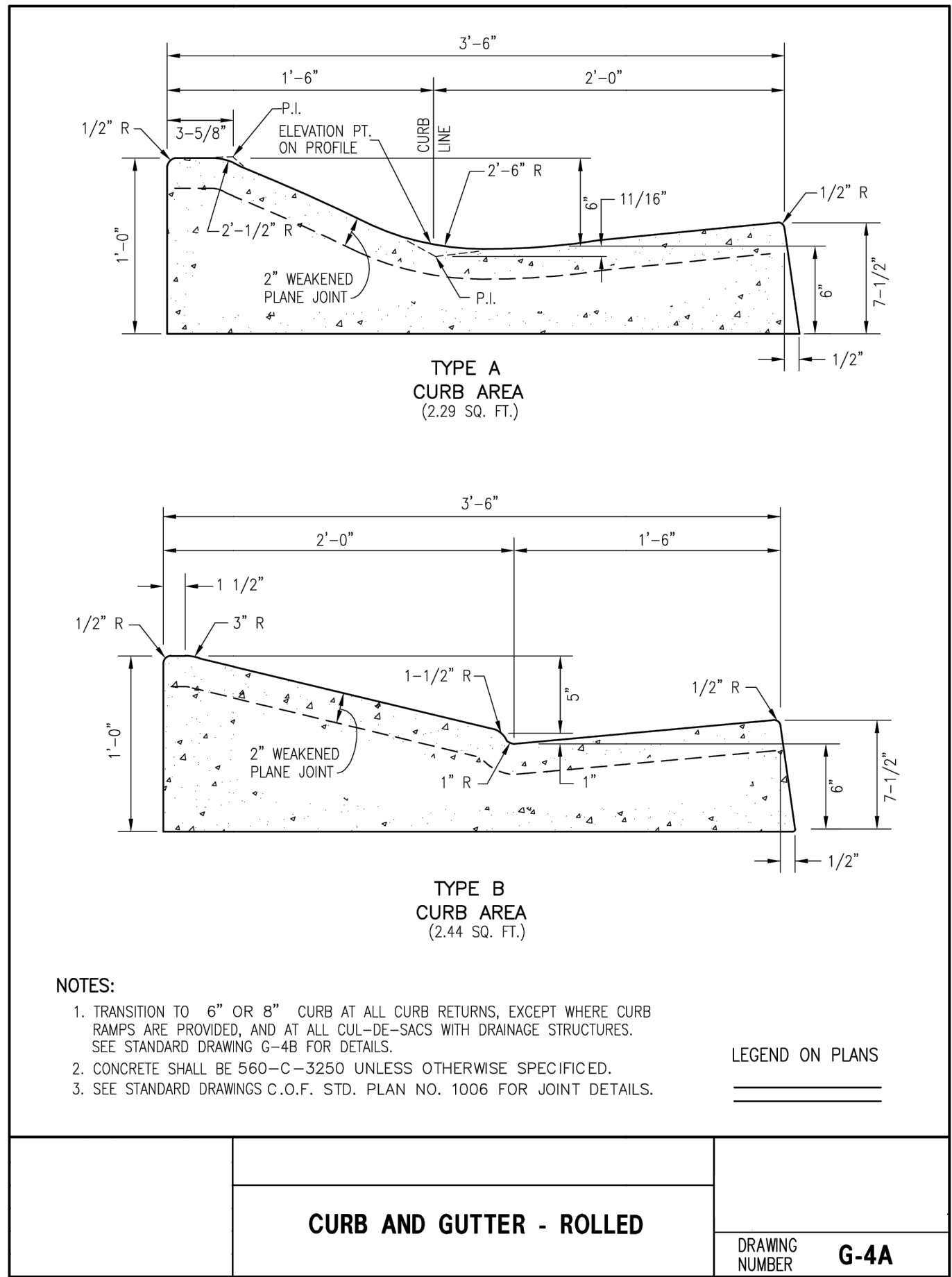


CITY OF FONTANA, CALIFORNIA

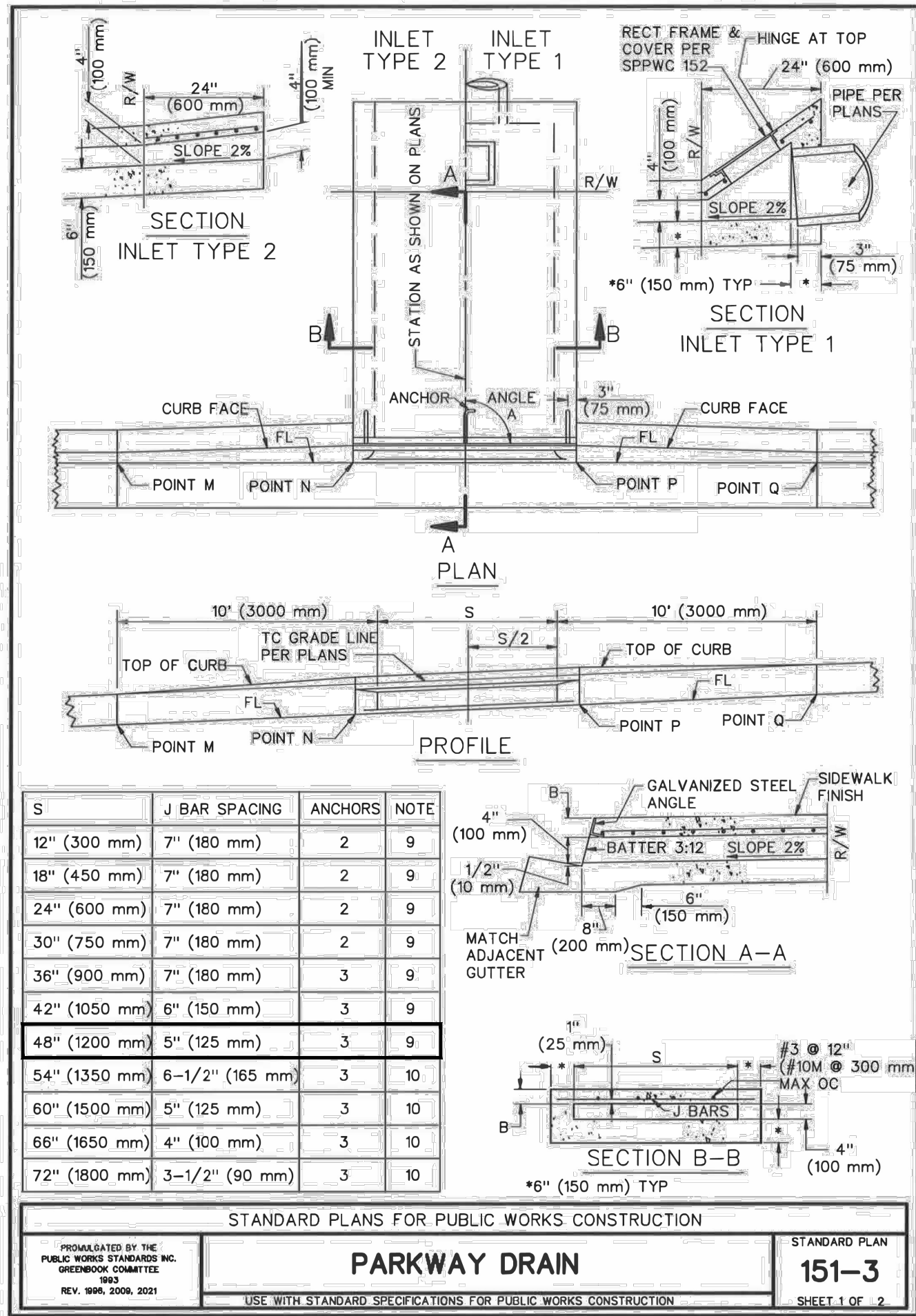
STREET IMPROVEMENT PLAN

DRAWN BY: JGF	SECTIONS & DETAILS	SCALE: AS SHOWN
DESIGNED BY: CPE/JGF	APPROVED BY: GIA LAM KIM CITY ENGINEER	DATE: 12/15/25
CHECKED BY: WAS	DATE: 12/22/25	DRAWING NO.: 6569
		2/20

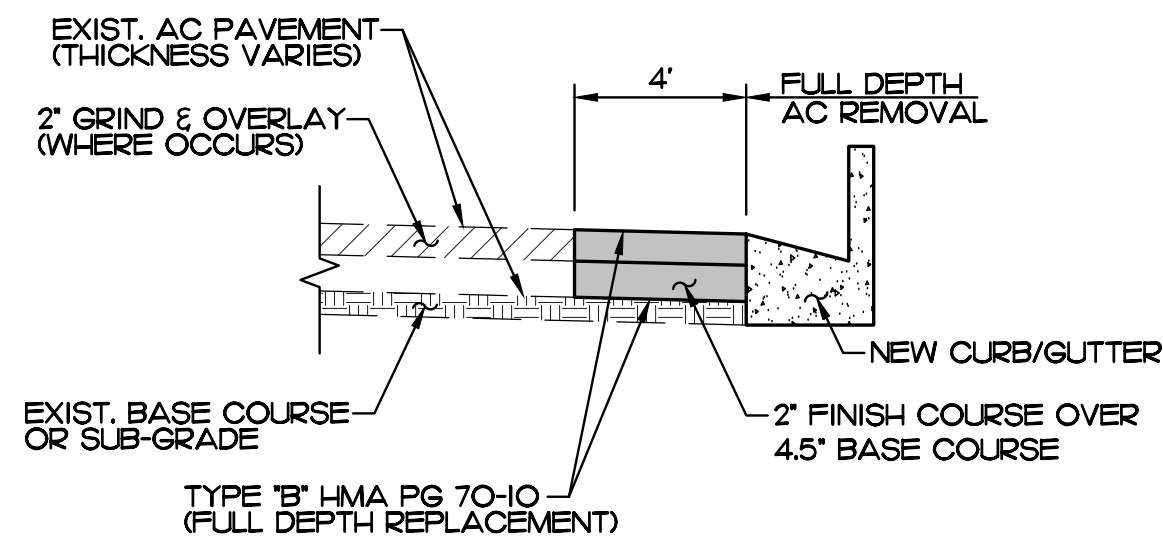
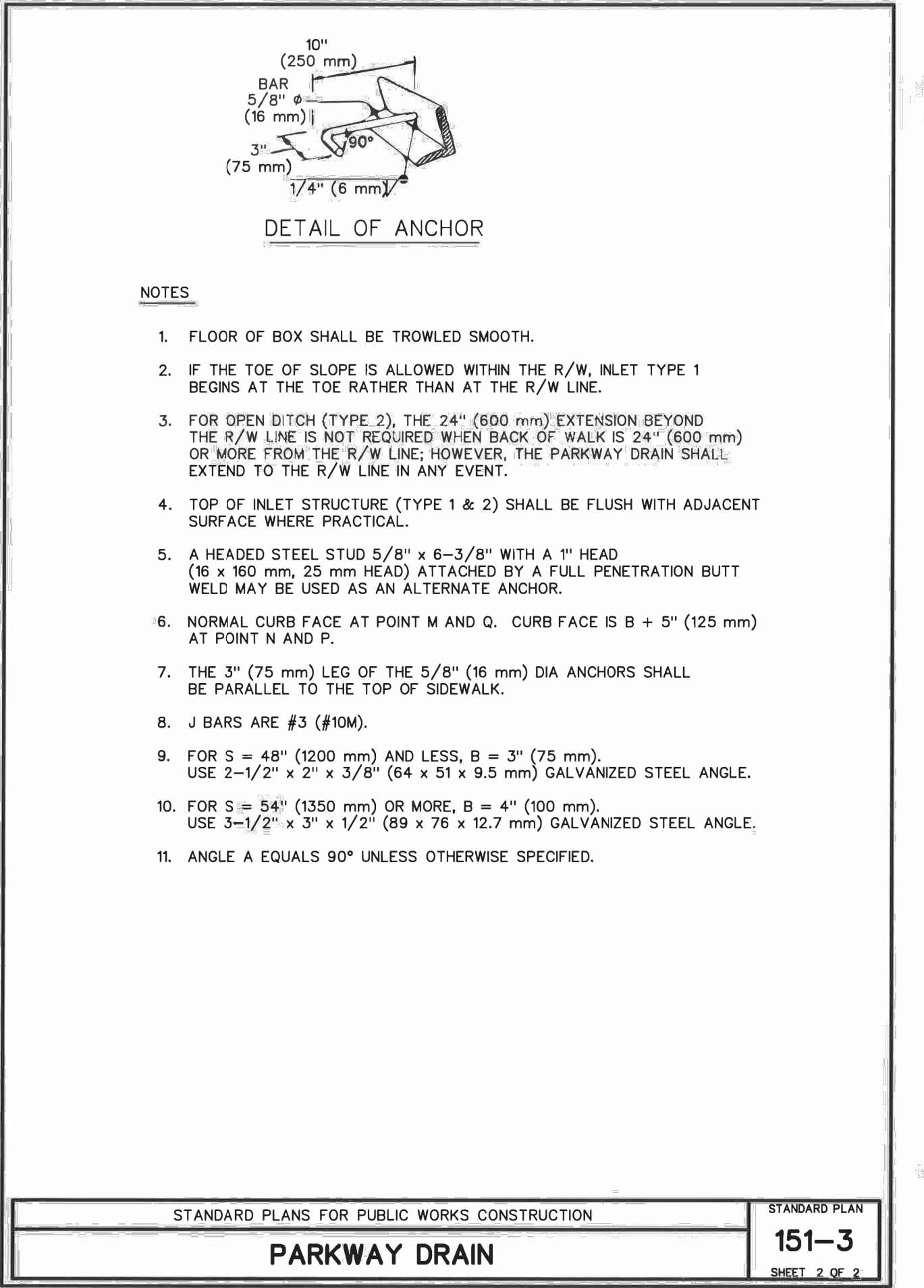




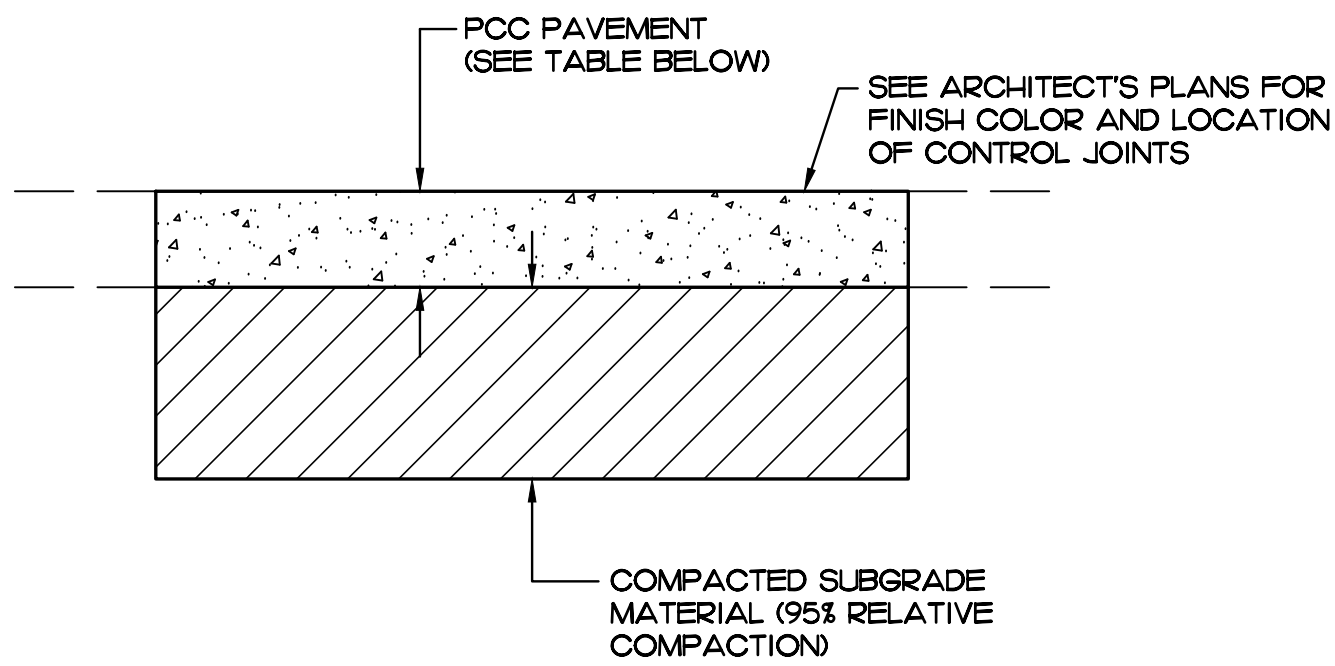
**DETAIL**  
NO SCALE



**DETAIL**  
NO SCALE



**3**  
TYPICAL FULL DEPTH REMOVAL ADJACENT TO GRIND AND OVERLAY  
NO SCALE

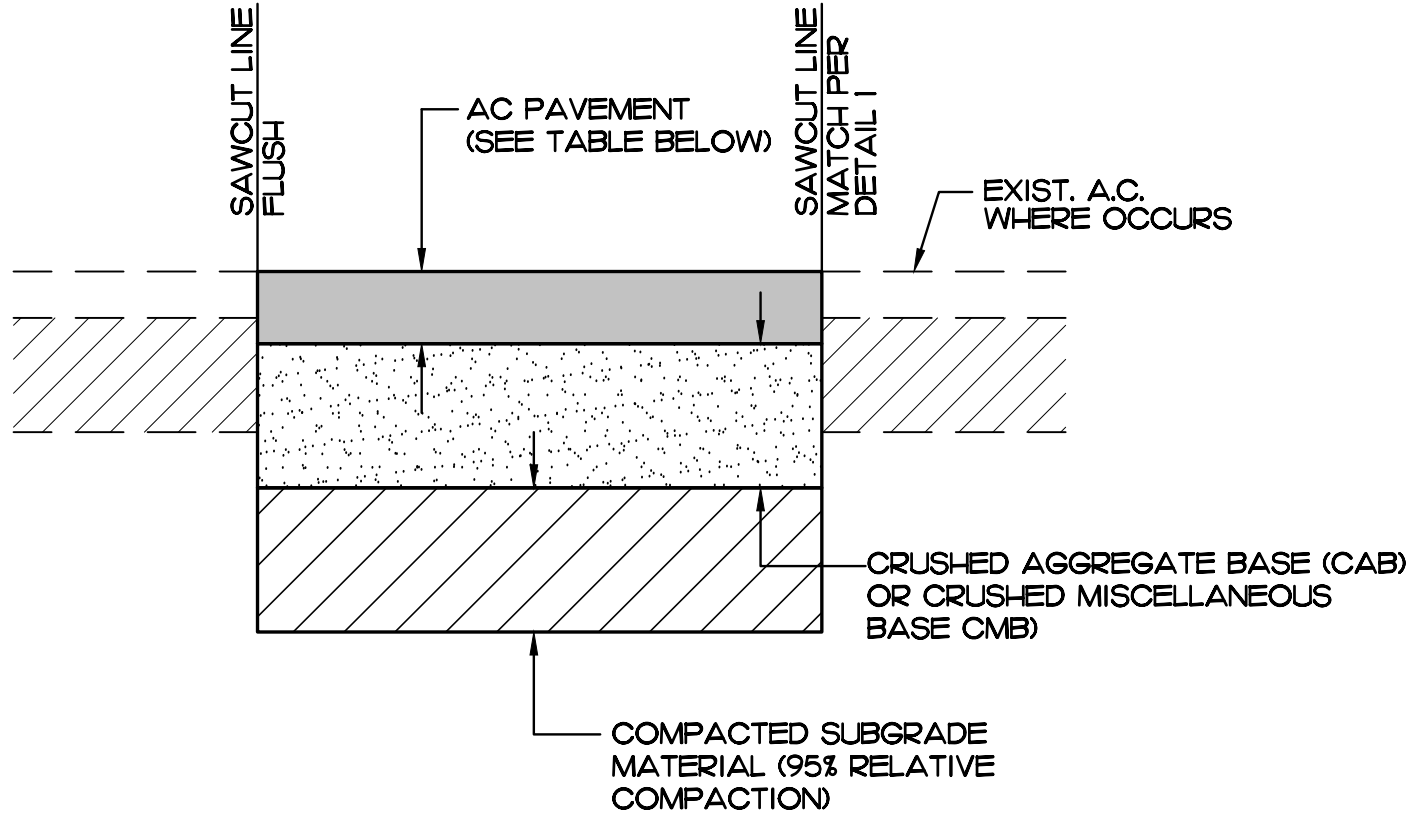


**CONCRETE PAVEMENT**

- NOTES:**
1. REFER TO GEOTECHNICAL REPORT FOR RECOMMENDATIONS.
  2. IF DISCREPANCIES BETWEEN PLAN DETAILS & GEOTECHNICAL ENGINEER RECOMMENDATIONS, THE GEOTECHNICAL ENGINEER RECOMMENDATIONS SHALL BE USED.
  3. REFER TO LANDSCAPE ARCHITECTURAL PLANS FOR COLOR, PATTERN, TEXTURE AND FINISH.

**CONCRETE PAVEMENT**

**DETAIL**  
NO SCALE



- NOTES:**
1. REFER TO GEOTECHNICAL REPORT FOR RECOMMENDATIONS.
  2. IF DISCREPANCIES BETWEEN PLAN DETAILS & GEOTECHNICAL ENGINEER RECOMMENDATIONS, THE GEOTECHNICAL ENGINEER RECOMMENDATIONS SHALL BE USED.

**A.C. PAVEMENT**

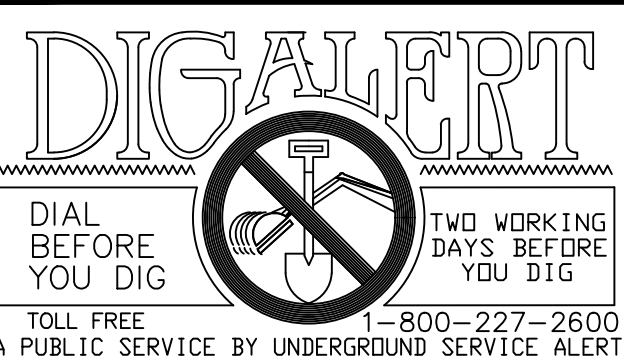
**DETAIL**  
NO SCALE

**BASIS OF BEARINGS**

THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS N00°17'04"W ON RECORD OF SURVEY NO. 99-0136, FILED IN BOOK 113, PAGE 65, IS THE BASIS OF BEARINGS FOR THIS SURVEY.

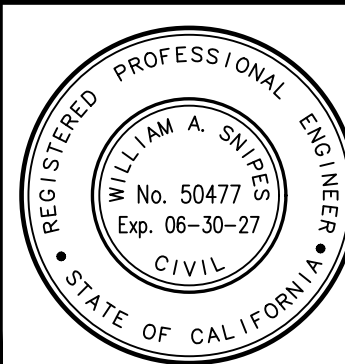
**BENCH MARK**

CITY OF FONTANA BENCHMARK # 156  
TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE  
ELEVATION: 1297.54



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.



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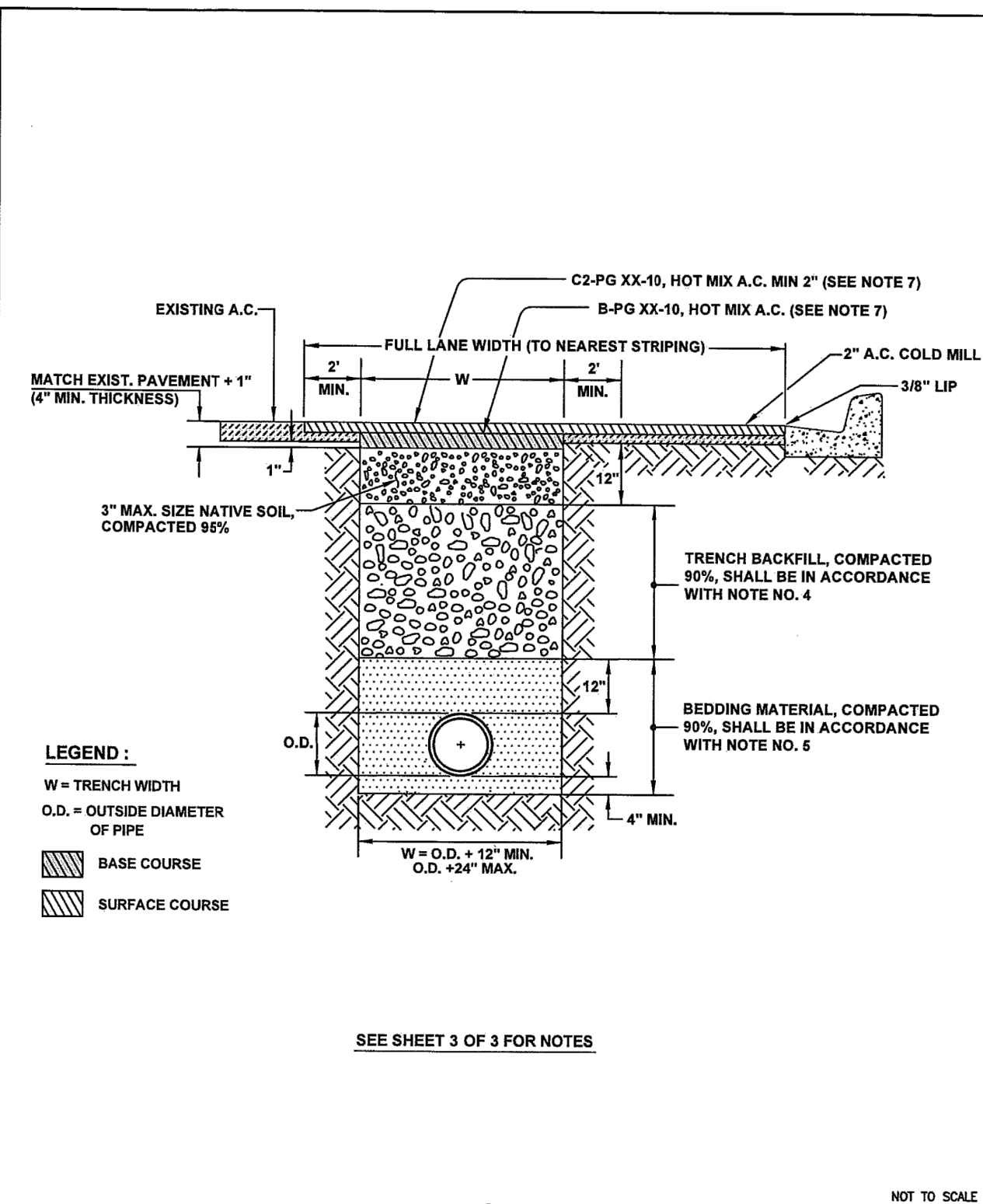
**CITY OF FONTANA, CALIFORNIA**

**STREET IMPROVEMENT PLAN**

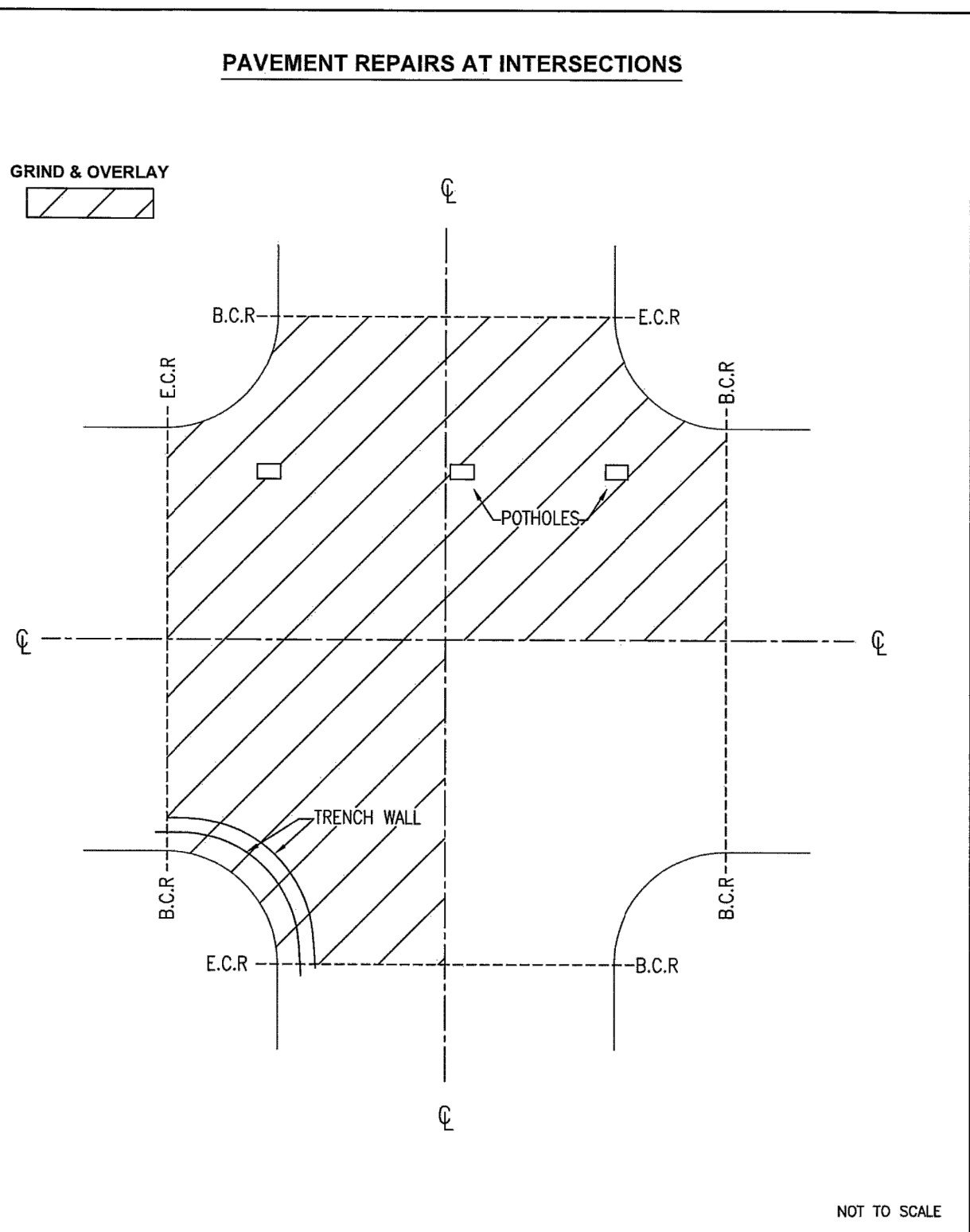
DRAWN BY: <b>JGF</b>	SCALE: <b>AS SHOWN</b>
DESIGNED BY: <b>CPE/JGF</b>	DATE: <b>12/15/25</b>
CHECKED BY: <b>WAS</b>	DRAWING NO.: <b>3</b>
APPROVED BY: <b>GIA LAM KIM</b> CITY ENGINEER	DATE: 12/22/25 R.C.E. 62296

6569 3/20





	APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER RICARDO SANDOVAL	ROADWAY REPAIR AND TRENCH BACKFILL
	REVIEWED BY: JP	STD. PLAN NO. 1008
	DRAWN BY: JP	SHT 1 OF 3

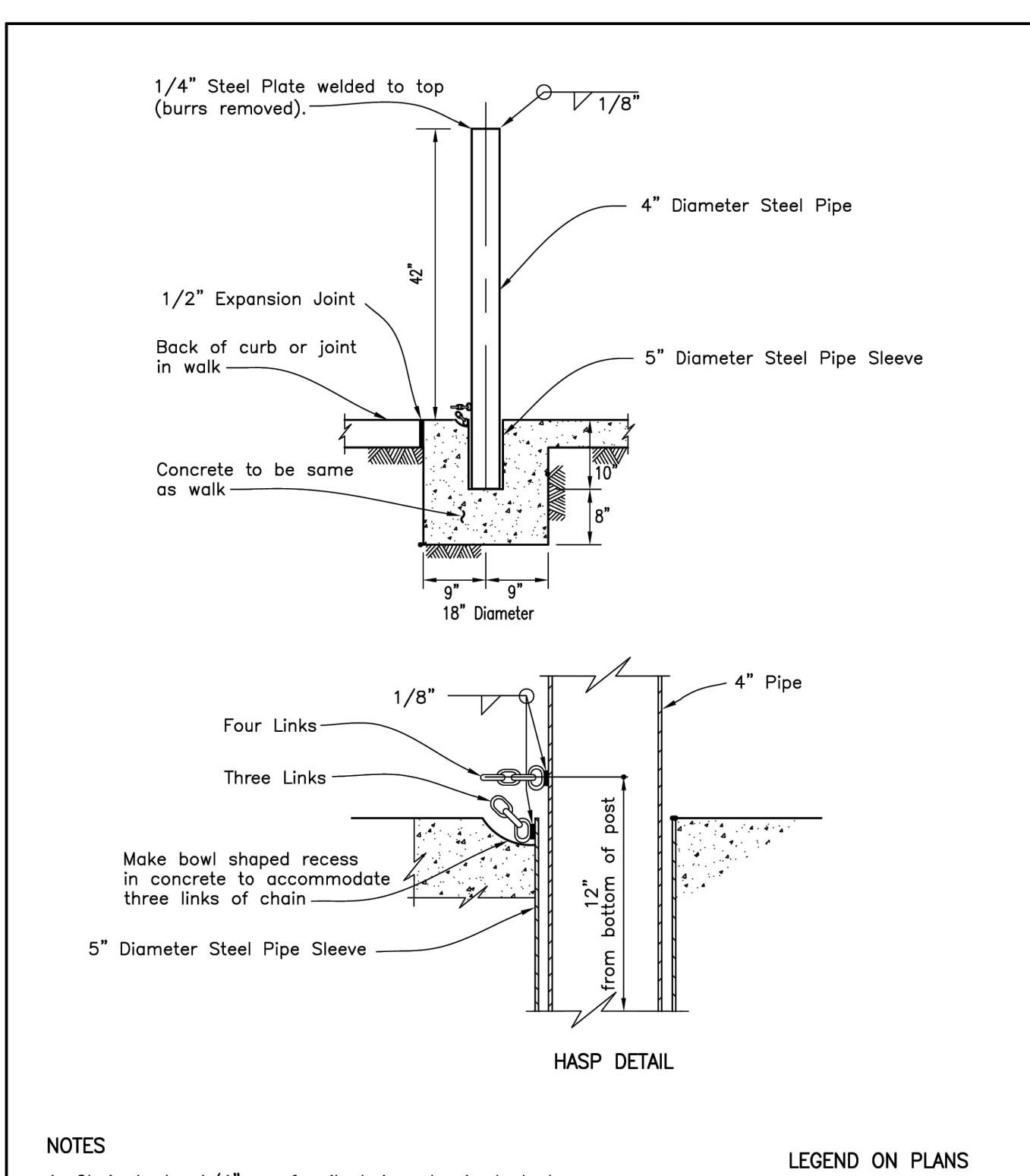


	APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER RICARDO SANDOVAL	ROADWAY REPAIR AND TRENCH BACKFILL
	REVIEWED BY: JP	STD. PLAN NO. 1008
	DRAWN BY: JP	SHT 2 OF 3

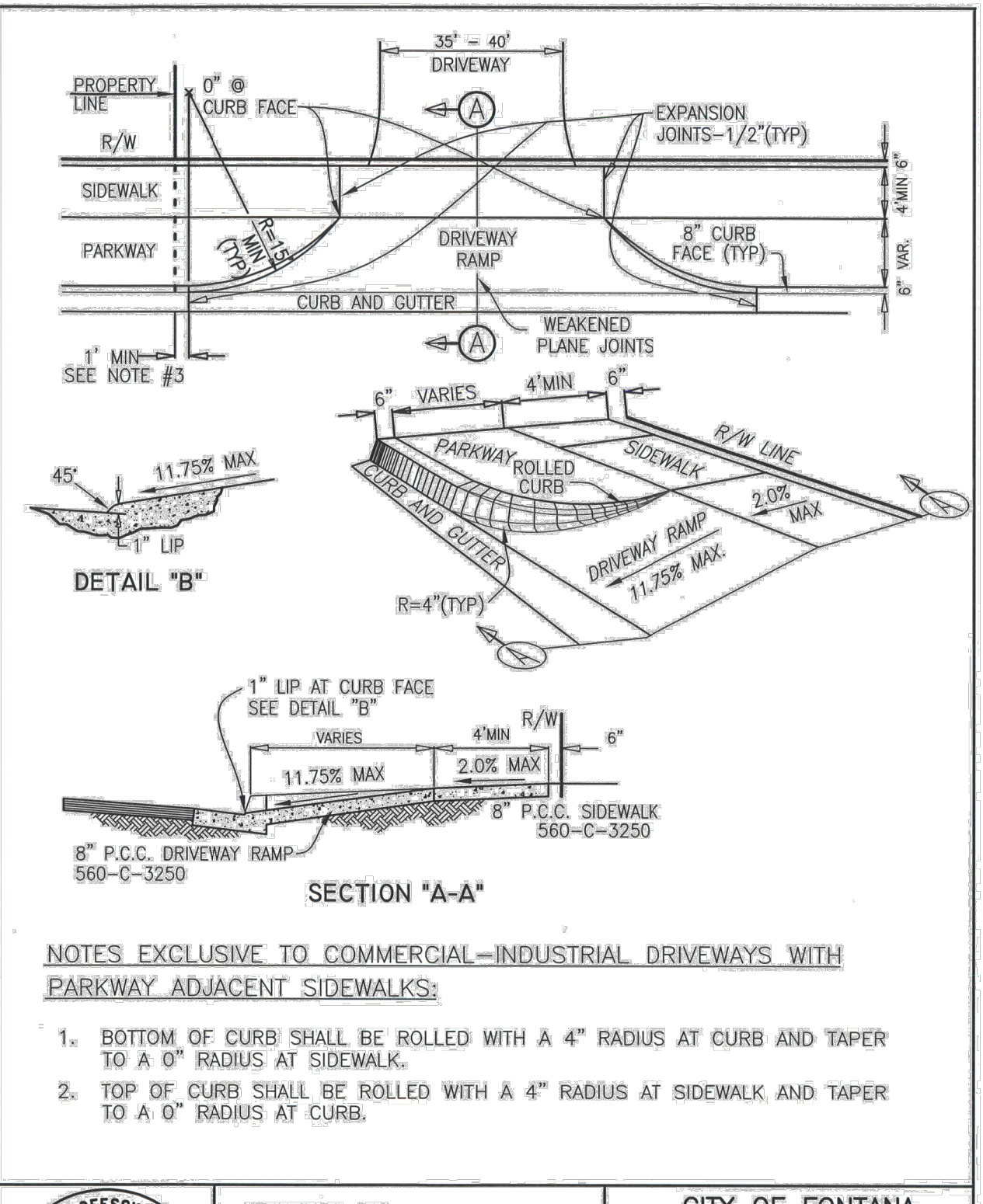
**GENERAL NOTES :**

- 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/CRAKES 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 INSPECTOR 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 REMEDIED, REMOVED, REPLACED AT PERMITTEE'S SOLE EXPENSE.
- POT HOLE REPAIRS RESULTING FROM SUBSURFACE UTILITY LOCATING SERVICES SHALL BE REPAIRED IN ACCORDANCE WITH THIS STANDARD.
- ALL POT HOLES / 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 OVERLAID 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 I SLURRY SEAL SHALL BE USED.
- ALL DISTURBED/DAMAGED STRIPING AND MARKINGS SHALL BE REPLACED IN KIND AS DIRECTED BY THE CITY ENGINEER.

	APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER RICARDO SANDOVAL	ROADWAY REPAIR AND TRENCH BACKFILL
	REVIEWED BY: JP	STD. PLAN NO. 1008
	DRAWN BY: JP	SHT 3 OF 3



<b>NOTES</b>		<b>LEGEND ON PLANS</b>
1. Chain to be 1/4" proof coil chain galvanized steel. Weld four links to post and three links to pipe sleeve. 2. All metal to be hot-dip galvanized after fabrication.		
<b>DEMOUNTABLE POST</b>		<b>DRAWING NUMBER</b> M-16



	APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER GIA LAM KIM	COMMERCIAL- INDUSTRIAL DRIVEWAY PARKWAY ADJACENT SIDEWALKS
	REVIEWED BY: DT	STD. PLAN NO. 1001
	DRAWN BY: DT	DWG. 3/5

**DRIVEWAY CONSTRUCTION NOTES:**

- CONSTRUCTION OF THE RESTRICTED RIGHT OF WAY DRIVEWAY REQUIRES APPROVAL OF THE CITY ENGINEER.
- A CONSTRUCTION PERMIT IS REQUIRED PRIOR TO CONSTRUCTION OF A DRIVEWAY APPROACH.
- THE RESIDENTIAL DRIVEWAY STANDARD SHALL BE USED WHEN THE DRIVEWAY SERVES AS AN ENTRANCE TO A SINGLE FAMILY RESIDENCE.
- THE COMMERCIAL DRIVEWAY STANDARD SHALL BE USED WHEN THE DRIVEWAY SERVES AS AN ENTRANCE TO RETAIL, COMMERCIAL, APARTMENTS, HIGH-DENSITY RESIDENTIAL OR A GOVERNMENT/COMMUNITY SERVICE BUILDING.
- NO PORTION OF A DRIVEWAY APPROACH SHALL BE LOCATED WITHIN A CURB RETURN.
- DRIVEWAY APPROACHES SERVING ADJOINING LOTS SHALL BE SEPARATED BY AT LEAST ONE FOOT OF FULL HEIGHT CURB.
- UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER, THERE SHALL BE AT LEAST 20' OF FULL HEIGHT CURB BETWEEN DRIVEWAYS SERVING THE SAME LOT.
- WHEN A JOINT DRIVEWAY APPROACH IS PERMITTED, A RECORDED EASEMENT ALLOWING FOR MUTUAL ACCESS TO THE ADJOINING PROPERTIES IS REQUIRED.
- CONCRETE FOR CURB, GUTTER, DRIVEWAY APPROACHES AND SIDEWALKS SHALL BE CLASS 560-C-3250.
- RELATIVE COMPACTION REQUIREMENT FOR TOP 12" OF SUBGRADE IS 95%. WHEN BASE MATERIAL IS REQUIRED TO BE USED UNDER STREET PAVEMENT, THE SAME BASE MATERIAL SHALL ALSO BE PLACED UNDER THE DRIVEWAY RAMP.
- RESIDENTIAL DRIVEWAY APPROACHES AND SIDEWALK AT RESIDENTIAL DRIVEWAY APPROACHES SHALL BE 6" THICK.
- COMMERCIAL AND INDUSTRIAL DRIVEWAY APPROACHES AND SIDEWALK AT COMMERCIAL AND INDUSTRIAL DRIVEWAY APPROACHES SHALL BE 8" THICK.

	APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER GIA LAM KIM	DRIVEWAY CONSTRUCTION NOTES AND WIDTHS
	REVIEWED BY: DT	STD. PLAN NO. 1001
	DRAWN BY: DT	DWG. 4/5

**DRIVEWAY CONSTRUCTION NOTES (CONTINUED):**

- CURB, GUTTER AND DRIVEWAY APPROACHES FOR COMMERCIAL AND INDUSTRIAL DRIVEWAYS SHALL BE POURED MONOLITHICALLY.
- GRADE BREAK LINES SHALL BE PRECISE AND STRAIGHT. SCREEDS AND/OR FALSE FORMS SHALL BE USED TO ACHIEVE PRECISE CONSTRUCTION.
- WHEN A DRIVEWAY APPROACH IS TO JOIN AN ALLEY, THE APPROACH AND ALLEY SHALL BE CONSTRUCTED TO ALLOW FOR PROPER DRAINAGE.
- CONTRACTOR SHALL INSTALL 1/2" EXPANSION JOINT FILLER AT LIMITS OF DRIVEWAY APPROACH.
- NO PORTION OF A DRIVEWAY SHALL EXTEND IN FRONT OF AN ADJOINING LOT.
- CONTRACTOR SHALL PROVIDE A MEDIUM BROOM FINISH ON RAMP AND SIDEWALK.
- IMMEDIATELY AFTER FINISHING OPERATIONS ARE COMPLETE, WHITE CURING COMPOUND SHALL BE APPLIED.

**DRIVEWAY WIDTHS:**

SINGLE FAMILY DWELLING OR DUPLEX:	12' TO 24'
SINGLE FAMILY DWELLING WITH DETACHED GARAGE:	12'
COMMERCIAL DRIVEWAY, TWO WAY TRUCK ACCESS:	35'
INDUSTRIAL DRIVEWAY, TWO WAY TRUCK ACCESS:	40'

NOTE: THIS SPECIFICATION REPLACES CITY STANDARD PLAN 1002.

	APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER GIA LAM KIM	DRIVEWAY CONSTRUCTION NOTES AND WIDTHS
	REVIEWED BY: DT	STD. PLAN NO. 1001
	DRAWN BY: DT	DWG. 5/5

**BASIS OF BEARINGS**

THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS N00°17'04"W ON RECORD OF SURVEY NO. 99-0136, FILED IN BOOK 113, PAGE 65, IS THE BASIS OF BEARINGS FOR THIS SURVEY.

**BENCH MARK**

CITY OF FONTANA BENCHMARK # 156

TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE

ELEVATION: 1297.54

	APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER GIA LAM KIM	DRIVEWAY CONSTRUCTION NOTES AND WIDTHS
	REVIEWED BY: DT	STD. PLAN NO. 1001
	DRAWN BY: DT	DWG. 5/5

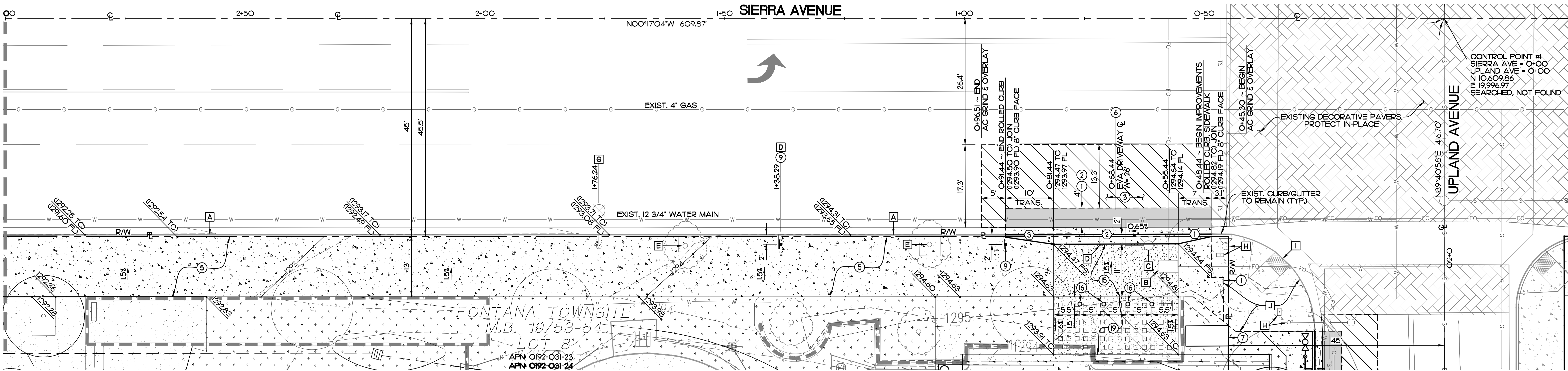
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	APPROVED BY:	CITY OF FONTANA
	CITY ENGINEER WILLIAM A. SNIPES	DRIVEWAY CONSTRUCTION NOTES AND WIDTHS
	REVIEWED BY: DT	STD. PLAN NO. 1001
	DRAWN BY: DT	DWG. 5/5

Prepared Under The Supervision Of :		<b>CITY OF FONTANA, CALIFORNIA</b>	
		<b>STREET IMPROVEMENT PLAN</b>	
Date : 12/15/25		SCALE: AS SHOWN	
WILLIAM A. SNIPES R.C.E. 50477 EXP. 06-30-27		DATE: 12/15/25	
DRAWN BY: JGF		DRAWING NO.: 4	
DESIGNED BY: CPE/JGF		17	
CHECKED BY: WAS		APPROVED BY:	
DATE: 12/22/25		CITY ENGINEER	
R.C.E. 62296		DATE: 12/22/25	
6569		R.C.E. 62296	

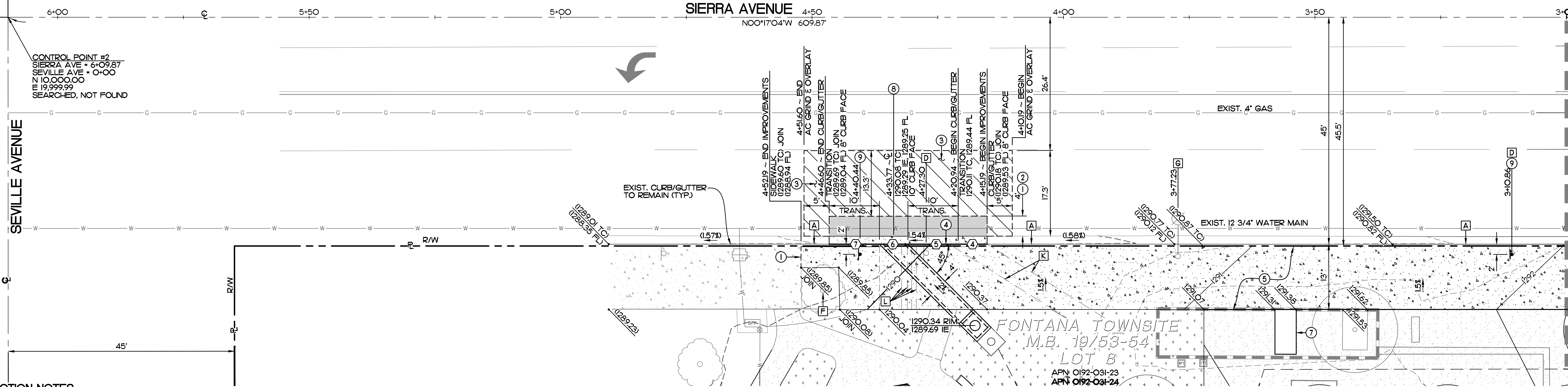


MATCHLINE 3+00 - SEE BELOW RIGHT



FOR ON-SITE IMPROVEMENTS SEE BUILDING PERMIT NO. BPCH25-00727

SEVILLE AVENUE



MATCHLINE 3+00 - SEE ABOVE LEFT

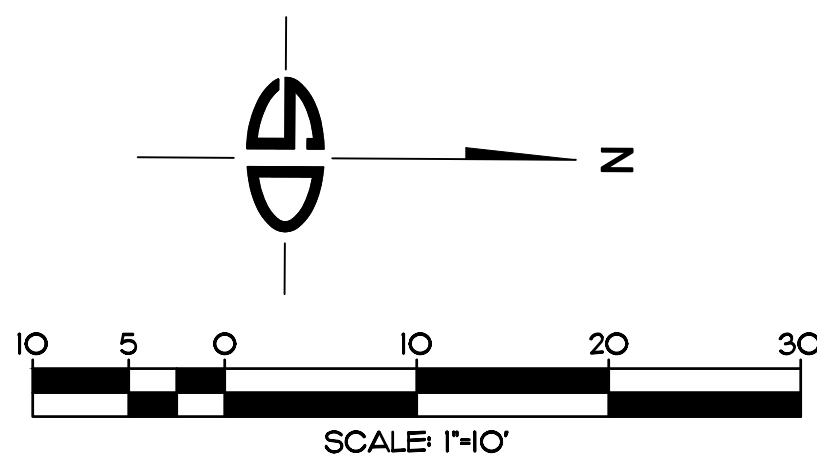
#### CONSTRUCTION NOTES

- SAWOUT & MATCH EXIST. SURFACE FLUSH (TYP.).
- CONSTRUCT 6.5" AC PAVEMENT OVER 12" MIN. 95% COMPACTED NATIVE SUBGRADE PER C.O.F. STD. PLAN NO. 1008 AND DETAIL 3, SHT. 3.
- COLD PLANE EXISTING AC MIN. 0.17" DEPTH & OVERLAY TO MATCH EXISTING PER C.O.F. STD. PLAN NO. 1008, DETAIL 1, SHT. 4.
- CONSTRUCT 8" CONCRETE CURB AND 18" GUTTER PER C.O.F. STD. PLAN NO. 1000, DETAIL 1, SHT. 2.
- CONSTRUCT 4" PCC SIDEWALK PER C.O.F. STD. PLAN NO. 1006, DETAIL 2, SHT. 2. SEE BLDG. PERMIT LANDSCAPE ARCHITECT PLANS FOR COLOR, PATTERN, TEXTURE, FINISH AND CONTROL JOINTS.
- CONSTRUCT TYPE B ROLLED CURB AND ROLLED CURB TRANSITION PER DETAIL 1, SHT. 3. EXISTING C.O.F. STD. NO. 1008, 8" CURB AND GUTTER TO NEW ROLLED G-4A CURB.
- PROPOSED MONUMENT SIGN. SEE BLDG. PERMIT ARCHITECT PLANS.
- CONSTRUCT PARKWAY DRAIN PER SPWPC STD. PLAN 151-3, DETAIL 2, SHT. 3.
- RELOCATE EXISTING SIGN PER C.O.F. STD. PLAN NO. 4003.
- CONSTRUCT 8" PCC PAVEMENT PER C.O.F. STD. PLAN NO. 1001, DETAIL 3, SHT. 4 & DETAIL 4, SHT. 3.
- CONSTRUCT DEMOUNTABLE PROTECTION POST PER DETAIL 2, SHT. 4, M-16.
- CONSTRUCT TURF STONE BLOCKS PER LANDSCAPE ARCH. PLANS.

- |   |  |   |  |
|---|--|---|--|
| A | EXISTING 8" CURB/GUTTER TO REMAIN. MATCH CONCRETE SIDEWALK TO BACK OF CURB (TYP.). | I | EXISTING CURB RAMP TO BE PROTECTED IN-PLACE. |
| B | EXISTING ELECTRICAL VAULT TO BE PROTECTED IN-PLACE. ADJUST TO FINISH SURFACE.      | J | EXISTING CONC. PAVEMENT TO REMAIN.           |
| C | EXISTING FIRE HYDRANT TO BE REMOVED AND RELOCATED BY FONTANA WATER COMPANY.        | K | EXISTING DISCHARGE STRUCTURE TO BE REMOVED.  |
| D | EXISTING SIGN TO BE REMOVED AND REPLACED. NEW LOCATION PER PLAN.                   | L | EXISTING CURB PIPES TO BE REMOVED.           |
| E | EXISTING STREET TREE TO BE REMOVED.  |   |  |
| F | EXISTING STREET TREE TO BE PROTECTED IN-PLACE.                                     |   |  |
| G | EXISTING STREET LIGHT TO BE PROTECTED IN-PLACE.                                    |   |  |
| H | PROTECT IN-PLACE EXISTING TRAFFIC SIGNAL POLE & VAULT TO REMAIN.                   |   |  |

FOR ON-SITE IMPROVEMENTS SEE BUILDING PERMIT NO. BPCH25-00727

8" CURB/GUTTER DATA TABLE			
DELTA/BRG	RADIUS	LENGTH	REMARK
1 N 00°29'30"W	--	7.00'	TRANSITION
2 N 00°29'30"W	--	26.00'	ROLLED CURB
3 N 00°29'30"W	--	10.00'	TRANSITION
4 N 00°17'24"W	--	5.76'	8" CURB/GUTTER
5 N 00°17'24"W	--	10.00'	TRANSITION
6 N 00°17'24"W	--	5.66'	PARKWAY DRAIN
7 N 00°17'24"W	--	10.00'	TRANSITION

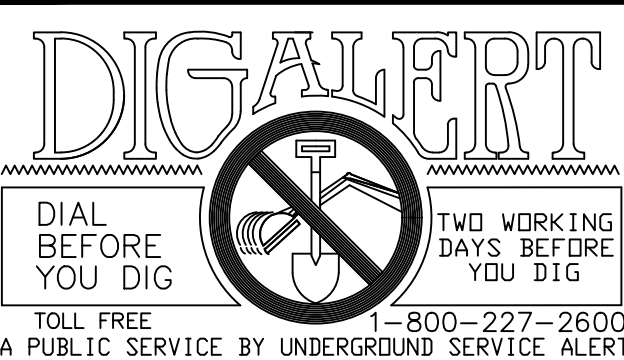


#### BASIS OF BEARINGS

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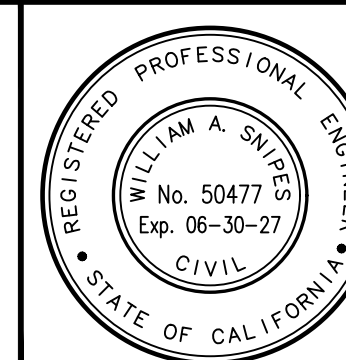
#### BENCH MARK

CITY OF FONTANA BENCHMARK # 156  
TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE  
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CHECKED BY: WAS

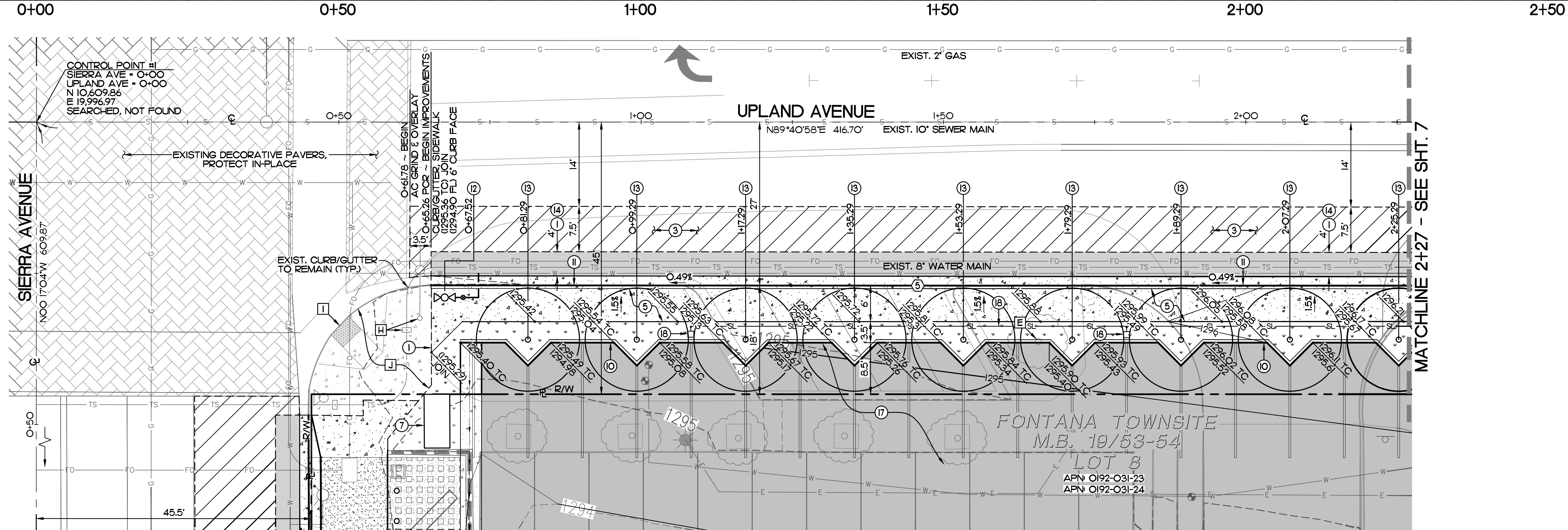
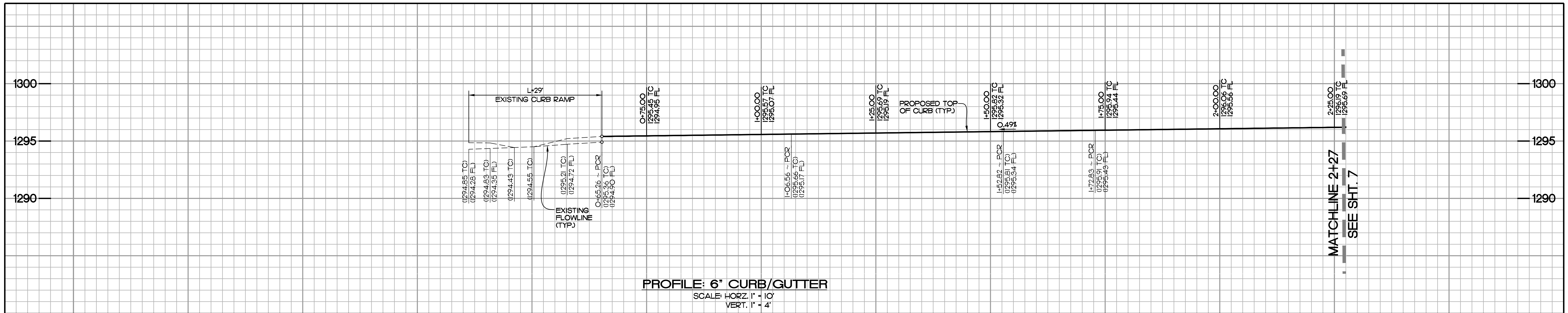
#### CITY OF FONTANA, CALIFORNIA STREET IMPROVEMENT PLAN

SIERRA AVENUE  
STREET IMPROVEMENT PLAN

APPROVED BY: DATE: 12/22/25  
GIA LAM KIM CITY ENGINEER R.C.E. 62296

SCALE: AS SHOWN  
DATE: 12/15/25  
DRAWING NO.: 5  
20

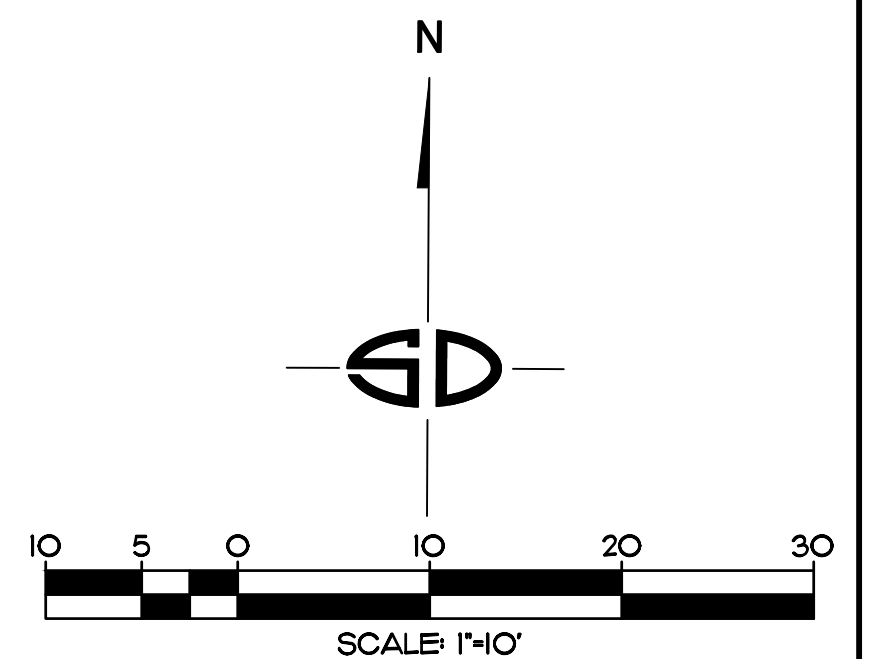




**CONSTRUCTION NOTES**

- ① SAWCUT & MATCH EXIST. SURFACE FLUSH (TYP.).
- ③ COLD PLANE EXISTING AC MIN. 0.17\"/>
- ⑤ CONSTRUCT 4\"/>
- ⑦ PROPOSED MONUMENT SIGN. SEE BLDG. PERMIT ARCHITECT PLANS.
- ⑩ CONSTRUCT 6\"/>
- ⑪ CONSTRUCT 6\"/>
- ⑫ PROPOSED FIRE HYDRANT ASSEMBLY BY FONTANA WATER COMPANY.
- ⑬ PROPOSED STREET TREE. SEE LANDSCAPE PLANS.
- ⑭ CONSTRUCT 4\"/>
- ⑯ CONSTRUCT AC PAVEMENT PER DETAIL 5, SHT. 3.
- ⑰ ELECTRICAL SITE LIGHTING PER ELECTRICAL SITE LIGHTING PLAN.
- ⑱ EXISTING STREET TREE TO BE REMOVED.
- ⑲ PROTECT IN-PLACE EXISTING TRAFFIC SIGNAL POLE & VAULT TO REMAIN.
- ⑳ EXISTING CURB RAMP TO BE PROTECTED IN-PLACE.
- ㉑ EXISTING CONC. PAVEMENT TO REMAIN.

6" CURB/GUTTER DATA TABLE				
Δ	DELTA/BRG	RADIUS	LENGTH	REMARK
5	N 89°42'13"E	--	161.74'	6" CURB/GUTTER

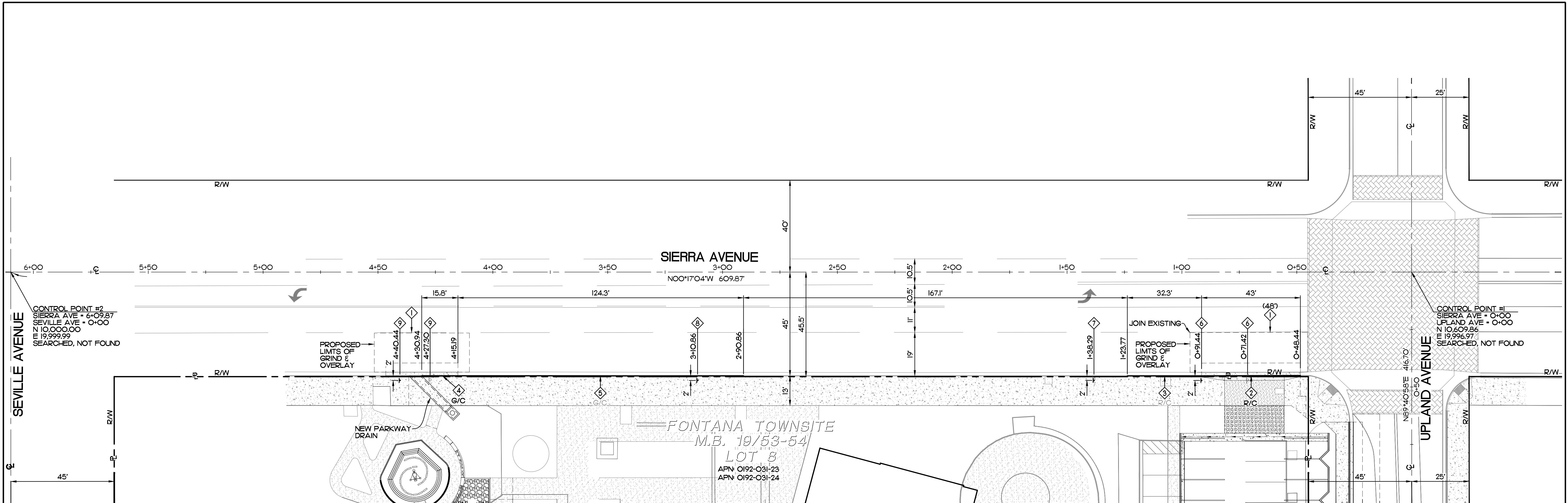


<b>BASIS OF BEARINGS</b> THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS N00°17'04\"/>	<b>BENCH MARK</b> CITY OF FONTANA BENCHMARK # 156 TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE ELEVATION: 1297.54	<b>DIG ALERT</b> DIAL BEFORE YOU DIG TWO WORKING DAYS BEFORE YOU DIG TOLL FREE 1-800-227-2600 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT	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 :  Snipes-Dye associates civil engineers and land surveyors 8348 CENTER DRIVE, SUITE 100, LA MESA, CA 91942 TELEPHONE (619) 697-9244 FAX (619) 460-2033 Date: 12/15/25 WILLIAM A. SNIPES R.C.E. 50477 EXP. 06-30-27	<b>CITY OF FONTANA, CALIFORNIA</b> <b>STREET IMPROVEMENT PLAN</b> DRAWN BY: JGF DESIGNED BY: CPE/JGF CHECKED BY: WAS APPROVED BY: GIA LAM KIM CITY ENGINEER DATE: 12/22/25 R.C.E. 62296	SCALE: 1\"/>
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#### SIGNING AND STRIPING GENERAL NOTES

- ALL WORK, MATERIAL, EQUIPMENT AND TEMPORARY TRAFFIC SHALL CONFORM TO THESE PLANS, THE CITY OF FONTANA DESIGN STANDARDS, THE CITY'S SPECIAL PROVISIONS, SECTION E, CALTRANS STAND PLANS AND SPECIFICATIONS, AND THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- ALL REQUIRED CONSTRUCTION PERMITS SHALL BE OBTAINED FROM THE CITY OF FONTANA DEPARTMENT OF ENGINEERING PRIOR TO COMMENCEMENT OF WORK.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN TEMPORARY TRAFFIC CONTROL AT ALL TIMES.
- ALL SIGNS SHALL BE INSTALLED PER CITY DESIGN STANDARD 4003, UNLESS OTHERWISE SPECIFIED ON THE PLANS. SIGNS AND SIGNPOST THAT ARE TO BE REMOVED SHALL BE SALVAGED TO THE CITY YARD AT 16469 ORANGE WAY.
- ALL STRIPING SHALL BE ALKYD THERMOPLASTIC UNLESS OTHERWISE NOTED. STRIPING AND PAVEMENT LEGENDS SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- ON ROADWAYS WITH RAISED MEDIANS, SUBSTITUTE TYPE 'C' RAISED PAVEMENT MARKERS FOR TYPE 'G' MARKERS ON DETAIL 38 AND 37B STRIPING.
- STRIPING AND PAVEMENT MARKINGS TO BE REMOVED SHALL BE REMOVED BY SANDBLASTING OR OTHER APPROVED METHOD, NONE OF WHICH SHALL DAMAGE THE PAVEMENT. THE 'BLACK OUT' METHOD OF REMOVAL IS NOT PERMITTED. ANY PAVEMENT DAMAGED BY REMOVALS SHALL BE REPAIRED PER APPROVAL BY THE CITY ENGINEER AT NO COST TO THE CITY.
- PARKING RESTRICTIONS (RED CURB, SIGNAGE) SHALL BE INSTALLED ONE WEEK PRIOR TO INSTALLATION OF STRIPING.
- ALL STRIPING AND SIGNS (OTHER THAN PARKING RESTRICTION SIGNS) SHALL BE APPLIED/INSTALLED AT THE SAME TIME.
- IF SIGNS ARE TO BE PLACED ON A DEVICE (SUCH AS A STREET LIGHT POLE) THAT IS YET TO BE INSTALLED, CONTRACTOR SHALL INSTALL SIGN ON A TELSPAR POST ADJACENT TO THE ULTIMATE LOCATION, AT A SPOT THAT DOESN'T OBSTRUCT THE INSTALLATION. WHEN THE DEVICE IS INSTALLED, CONTRACTOR SHALL REMOVE AND SALVAGE THE TELSPAR POST AND RE-INSTALL THE SIGN ON THE DEVICE AT THE ULTIMATE LOCATION AS SHOWN ON THE PLANS.
- CONTROL POINTS OR 'CAT TRACKING' SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO APPLICATION OF PAVEMENT STRIPING AND LEGENDS. TRAFFIC LOOPS SHALL NOT BE CUT IN PRIOR TO APPROVAL OF CAT TRACKING. A 48 HOUR ADVANCE NOTICE IS REQUIRED FOR REVIEW OF CAT TRACKING.
- EXISTING MARKINGS NOT IDENTIFIED AS TO BE REMOVED, REPLACED, OR REFRESHED SHALL BE REFRESHED WITHIN UP TO 100' OF THE PROJECT LIMITS AT THE DISCRETION OF THE CITY'S INSPECTOR OR TRAFFIC ENGINEER.
- BLUE RAISED PAVEMENT MARKERS SHALL BE INSTALLED AT ALL FIRE HYDRANT LOCATIONS PER CITY DESIGN STANDARD 600I.
- RECORD DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER OF RECORD, WHO SHALL PROVIDE RECORD DRAWINGS AND ELECTRONIC AUTOCAD FILES TO THE CITY ENGINEER.

#### CONSTRUCTION NOTES

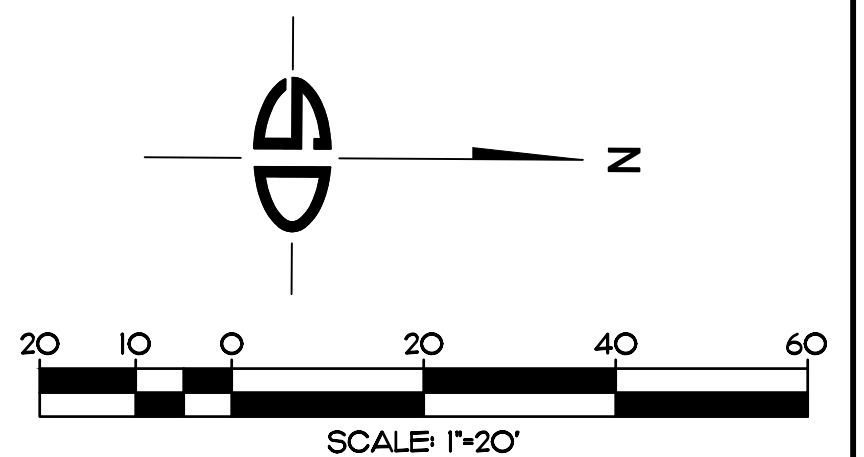
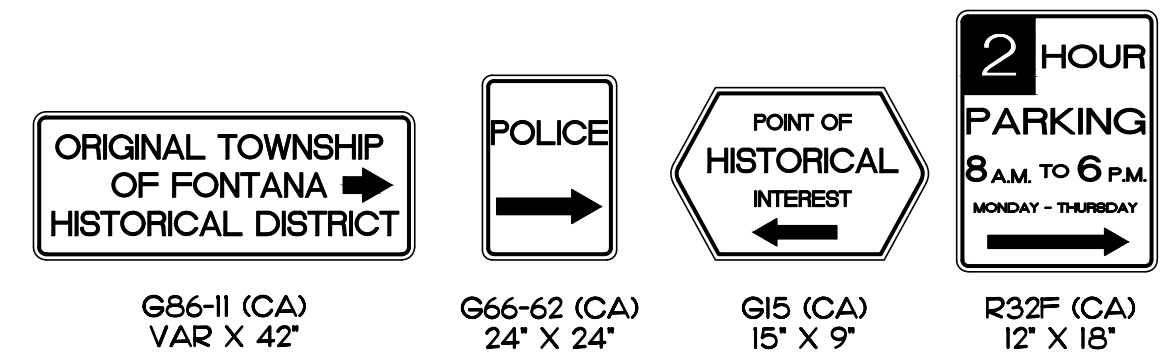
- REPAINT 4" SOLID WHITE LINE IF DAMAGED DURING CONSTRUCTION. APPLY THERMOPLASTIC, 4" SOLID WHITE STRIPE, DETAIL 38.
- PAINT CURB RED.
- EXIST. RED PAINTED CURB.
- PAINT CURB GREEN.
- EXIST. GREEN PAINTED CURB.
- EXIST. SIGN STA. 0+71.42 TO BE REMOVED AND REPLACED TO NEW LOCATION STA. 0+91.44, 'ORIGINAL TOWNSHIP OF FONTANA HISTORICAL DISTRICT' G86-II (CA), 'POLICE' G66-62 (CA).
- EXIST. SIGN TO BE REMOVED & REPLACED FOR THE CONSTRUCTION OF NEW SIDEWALK, 'POINT OF HISTORICAL INTEREST' G15 (CA).
- EXIST. SIGN TO BE REMOVED & REPLACED FOR THE CONSTRUCTION OF NEW SIDEWALK, '2 HOUR PARKING' R32F (CA).
- EXIST. SIGN STA. 4+27.30 TO BE REMOVED AND REPLACED TO NEW LOCATION STA. 4+40.44, '2 HOUR PARKING' R32F (CA), 'POINT OF HISTORICAL INTEREST' G15 (CA).

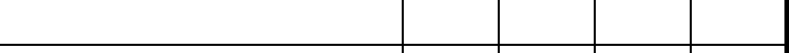
#### LEGEND

- EXISTING STRIPING & MARKINGS TO REMAIN.
- EXISTING RED CURB MARKINGS TO REMAIN.  
PROPOSED RED CURB MARKINGS.  
EXISTING GREEN CURB MARKINGS TO REMAIN.  
PROPOSED GREEN CURB MARKINGS.
- EXISTING SIGN & POST TO BE RELOCATED.  
PROPOSE SIGN & POST.

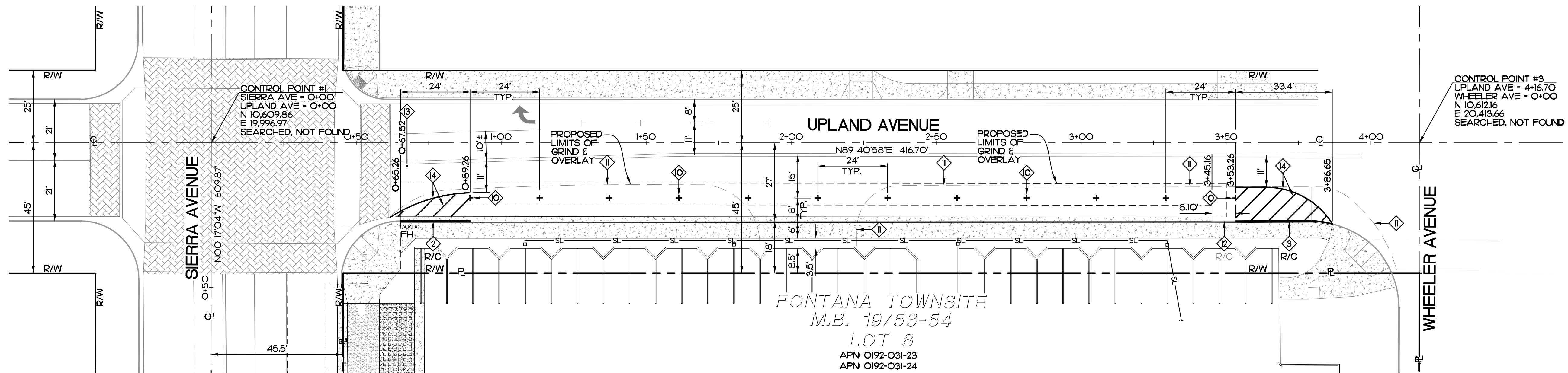
#### SIGN LEGEND

CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES REVISION 9 (CA MUTCD REV 9), EDITION 2014.



<b>BASIS OF BEARINGS</b> THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS N00°17'04"W ON RECORD OF SURVEY NO. 99-0136, FILED IN BOOK 113, PAGE 65, IS THE BASIS OF BEARINGS FOR THIS SURVEY.	<b>BENCH MARK</b> CITY OF FONTANA BENCHMARK # 156 TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE ELEVATION: 1297.54	<div><div>DIAL BEFORE YOU DIG TWO WORKING DAYS BEFORE YOU DIG</div><div>TOLL FREE 1-800-227-2600 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT</div></div>	<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td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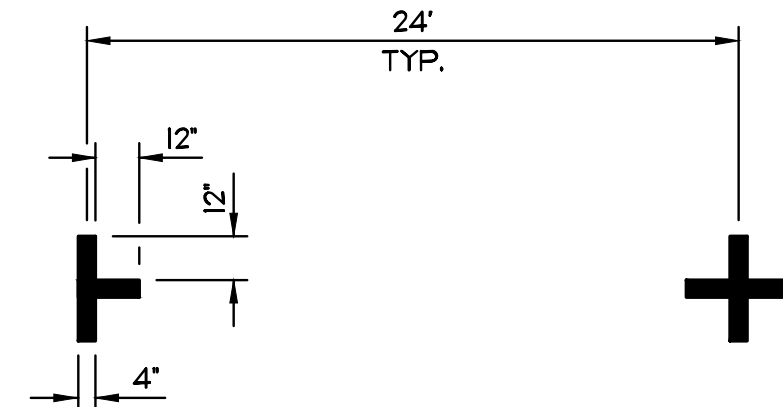
#### SIGNING AND STRIPING GENERAL NOTES

- ALL WORK, MATERIAL, EQUIPMENT AND TEMPORARY TRAFFIC SHALL CONFORM TO THESE PLANS. THE CITY OF FONTANA DESIGN STANDARDS, THE CITY'S SPECIAL PROVISIONS, SECTION E, CALTRANS STAND PLANS AND SPECIFICATIONS, AND THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- ALL REQUIRED CONSTRUCTION PERMITS SHALL BE OBTAINED FROM THE CITY OF FONTANA DEPARTMENT OF ENGINEERING PRIOR TO COMMENCEMENT OF WORK.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN TEMPORARY TRAFFIC CONTROL AT ALL TIMES.
- ALL SIGNS SHALL BE INSTALLED PER CITY DESIGN STANDARD 4003, UNLESS OTHERWISE SPECIFIED ON THE PLANS. SIGNS AND SIGNPOST THAT ARE TO BE REMOVED SHALL BE SALVAGED TO THE CITY YARD AT 16489 ORANGE WAY.
- ALL STRIPING SHALL BE ALKYD THERMOPLASTIC UNLESS OTHERWISE NOTED. STRIPING AND PAVEMENT LEGENDS SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
- ON ROADWAYS WITH RAISED MEDIANS, SUBSTITUTE TYPE 'C' RAISED PAVEMENT MARKERS FOR TYPE 'G' MARKERS ON DETAIL 36 AND 37B STRIPING.
- STRIPING AND PAVEMENT MARKINGS TO BE REMOVED SHALL BE REMOVED BY SANDBLASTING OR OTHER APPROVED METHOD, NONE OF WHICH SHALL DAMAGE THE PAVEMENT. THE 'BLACK OUT' METHOD OF REMOVAL IS NOT PERMITTED. ANY PAVEMENT DAMAGED BY REMOVALS SHALL BE REPAIRED PER APPROVAL BY THE CITY ENGINEER AT NO COST TO THE CITY.
- PARKING RESTRICTIONS (RED CURB SIGNAGE) SHALL BE INSTALLED ONE WEEK PRIOR TO INSTALLATION OF STRIPING.

- ALL STRIPING AND SIGNS (OTHER THAN PARKING RESTRICTION SIGNS) SHALL BE APPLIED/INSTALLED AT THE SAME TIME.
- IF SIGNS ARE TO BE PLACED ON A DEVICE (SUCH AS A STREET LIGHT POLE) THAT IS YET TO BE INSTALLED, CONTRACTOR SHALL INSTALL SIGN ON A TELSPAR POST ADJACENT TO THE ULTIMATE LOCATION, AT A SPOT THAT DOESN'T OBSTRUCT THE INSTALLATION. WHEN THE DEVICE IS INSTALLED, CONTRACTOR SHALL REMOVE AND SALVAGE THE TELSPAR POST AND RE-INSTALL THE SIGN ON THE DEVICE AT THE ULTIMATE LOCATION AS SHOWN ON THE PLANS.
- CONTROL POINTS OR 'CAT TRACKING' SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO APPLICATION OF PAVEMENT STRIPING AND LEGENDS. TRAFFIC LOOPS SHALL NOT BE CUT IN PRIOR TO APPROVAL OF CAT TRACKING. A 48 HOUR ADVANCE NOTICE IS REQUIRED FOR REVIEW OF CAT TRACKING.
- EXISTING MARKINGS NOT IDENTIFIED AS TO BE REMOVED, REPLACED, OR REFRESHED SHALL BE REFRESHED WITHIN UP TO 100' OF THE PROJECT LIMITS AT THE DISCRETION OF THE CITY'S INSPECTOR OR TRAFFIC ENGINEER.
- BLUE RAISED PAVEMENT MARKERS SHALL BE INSTALLED AT ALL FIRE HYDRANT LOCATIONS PER CITY DESIGN STANDARD 6001.
- RECORD DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER OF RECORD, WHO SHALL PROVIDE RECORD DRAWINGS AND ELECTRONIC AUTOCAD FILES TO THE CITY ENGINEER.

#### CONSTRUCTION NOTES

- PAINT CURB RED.
- EXIST. RED PAINTED CURB.
- APPLY THERMOPLASTIC, 4" TO 6" SOLID WHITE STRIPE. SEE DETAIL BELOW.
- EXIST. 4" SOLID WHITE LINE TO BE REMOVED BY SANDBLASTING.
- EXIST. RED PAINTED CURB TO BE REMOVED BY SANDBLASTING.
- FURNISH AND INSTALL 'BLUE DOT' MARKER PER C.O.F. STD. PLAN NO. 6001.
- 6" EDGE LINE STRIPING AT BEGINNING OF PARKING STALLS. INCLUDE DIAGONAL STRIPING (MIN. 3) SPACED 10' APART.



#### LEGEND

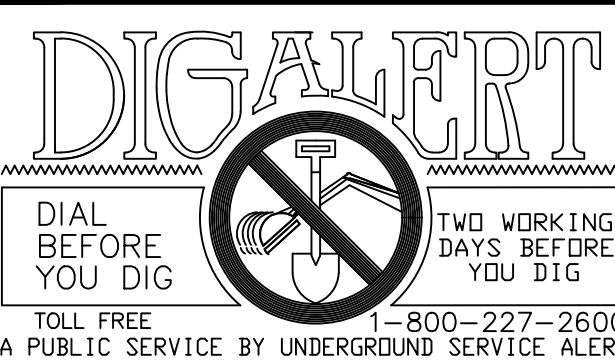
- EXISTING STRIPING & MARKINGS TO REMAIN.
- EXISTING STRIPING & MARKINGS TO BE REMOVED.
- PROPOSED STRIPING & MARKINGS.
- EXISTING RED CURB MARKINGS TO BE REMOVED.
- PROPOSED RED CURB MARKINGS.

#### BASIS OF BEARINGS

THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS N00°17'04"W ON RECORD OF SURVEY NO. 99-0136, FILED IN BOOK 113, PAGE 65, IS THE BASIS OF BEARINGS FOR THIS SURVEY.

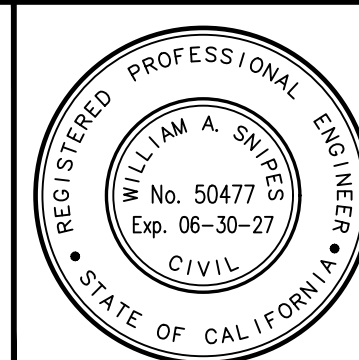
#### BENCH MARK

CITY OF FONTANA BENCHMARK # 156  
TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE  
ELEVATION: 1297.54

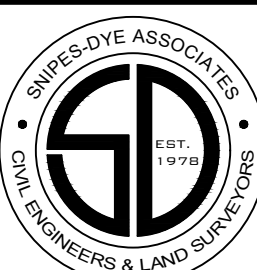



REV.	REVISION DESCRIPTION	DATE	ENGR.	CITY	DATE

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.

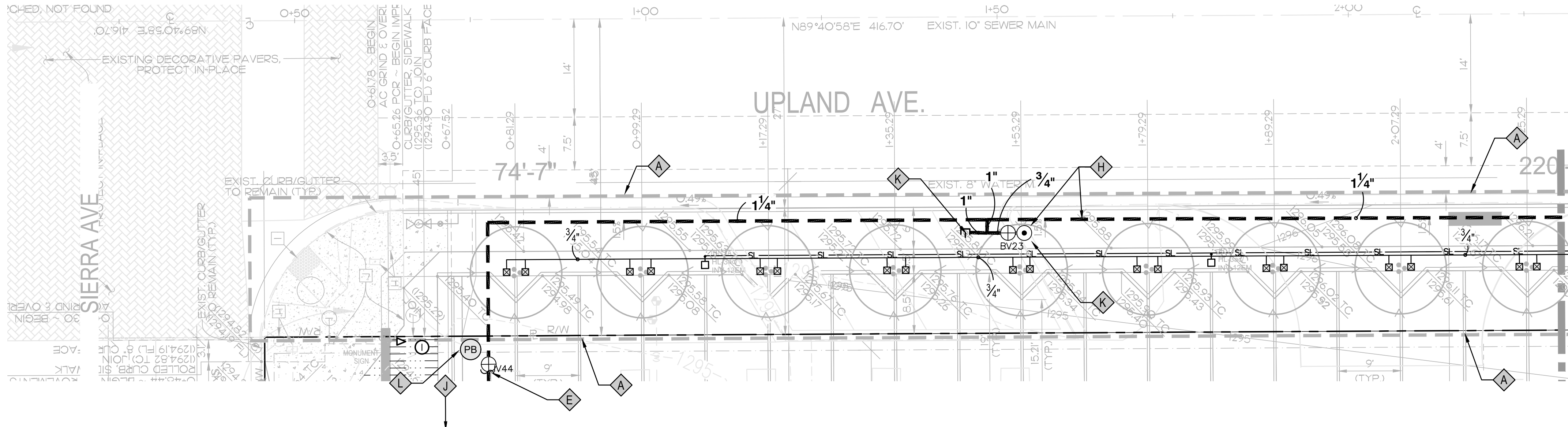


Prepared Under The Supervision Of :  
**Snipes-Dye associates**  
civil engineers and land surveyors  
8548 CENTER DRIVE, STE. 100, LA MESA, CA 91942  
TELEPHONE (619) 697-5944 FAX (619) 460-2033  
Date : 12/15/25  
WILLIAM A. SNIPES R.C.E. 50477 EXP. 06-30-27

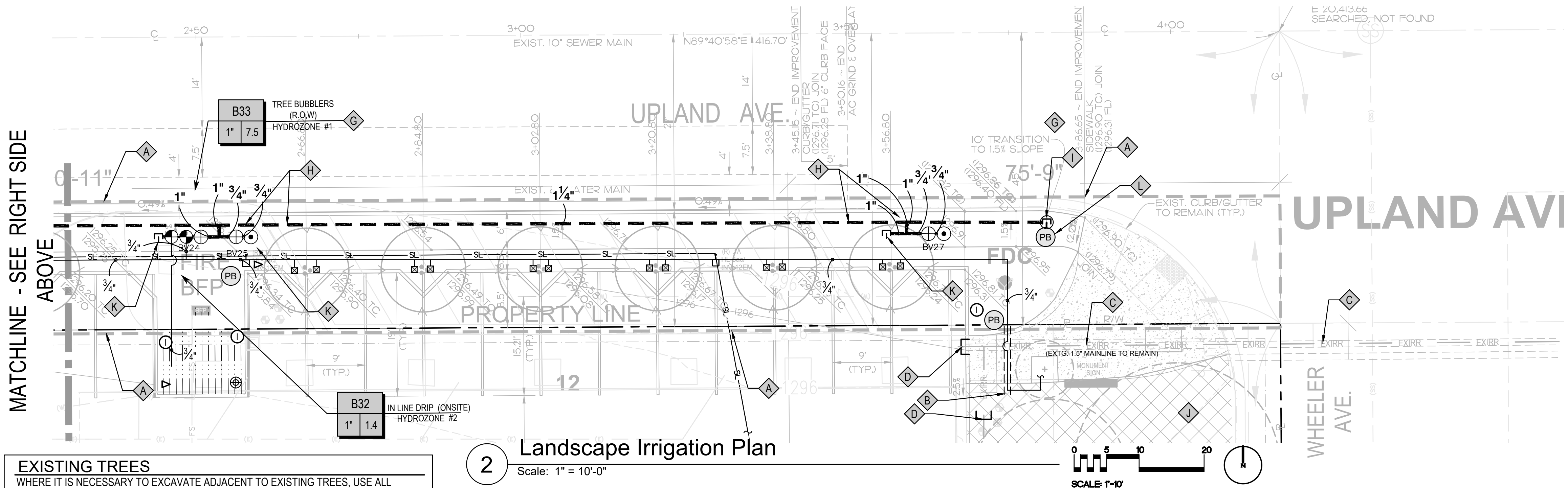
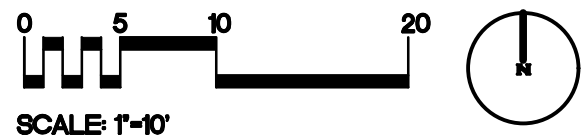


CITY OF FONTANA, CALIFORNIA				
STREET IMPROVEMENT PLAN				
DRAWN BY: JGF		UPLAND AVENUE SIGNING AND STRIPING	SCALE: 1"=10'	
DESIGNED BY: CPE/JGF			DATE: 12/15/25	
CHECKED BY:  WAS	APPROVED BY: 		DRAWING NO.: 6569	9/20
	GIA LAM KIM CITY ENGINEER R.C.E. 62296			
		DATE: 12/22/25		

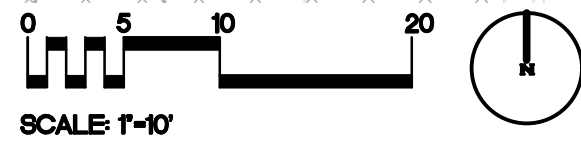




1 Landscape Irrigation Plan  
Scale: 1" = 10'-0"



2 Landscape Irrigation Plan  
Scale: 1" = 10'-0"



#### EXISTING TREES

WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, USE ALL POSSIBLE CARE TO AVOID INJURY TO TREES AND TREE ROOTS. EXCAVATION IN AREAS WHERE 2 INCH AND LARGER ROOTS OCCUR SHALL BE DONE BY HAND. ROOTS 1 INCH AND LARGER IN DIAMETER, SHALL BE TUNNELED UNDER AND SHALL BE HEAVILY WRAPPED IN BURLAP, TO PREVENT SCARRING OR EXCESSIVE DRYING. WHERE A DITCHING MACHINE IS RUN CLOSE TO TREES HAVING ROOTS SMALLER THAN 1 INCH IN DIAMETER, THE WALL OF THE TRENCH ADJACENT TO THE TREE SHALL BE HAND TRIMMED, MAKING CLEAN CUTS THROUGH. CUT ROOTS 1 INCH AND LARGER IN DIAMETER SHALL BE PAINTED WITH TWO COATS OF TREE SEAL, OR EQUAL. TRENCHES ADJACENT TO TREES WOULD BE CLOSED WITHIN 24 HOURS. WHERE THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE SHALL BE KEPT SHADED WITH BURLAP OR CANVAS.

#### NOTE:

SEE ON-SITE IMPROVEMENT PLANS FOR LOCATION OF IRRIGATION CONTROLLER, REDUCED PRESSURE BACKFLOW PREVENTER, MASTER VALVE FLOW SENSOR, RAIN SENSOR & ADDITIONAL ON-SITE EQUIPMENT.

#### NOTE:

PROVIDE AGRONOMY/ HORTICULTURE SOILS REPORT SHOWING SOIL CLASSIFICATION AND INFILTRATION RATE PER MWEL AB-1881

#### KEY NOTES

- A LIMIT OF WORK
- B CONNECT EXISTING ON-SITE DRIP SYSTEM LATERAL TO VALVE B33
- C EXISTING IRRIGATION MAINLINE IN SLEEVES UNDER WHEELER AVENUE, PER "FONTANA CAMPUS PARKING LOT" RECORD DRAWINGS - DWG. NO. 4854. NOTE: PER "FONTANA CITY HALL ANNEX" IRRIGATION PLAN L1-200. DATED 10.16.2024, THE IRRIGATION ON THE EAST SIDE OF WHEELER AVENUE IS ISOLATED ON THAT BLOCK.
- D VERIFY EXISTING MAINLINE HAS BEEN ABANDONED. CUT & CAP END.
- E POINT OF CONNECTION FOR RIGHT-OF-WAY IRRIGATION MAINLINE AT 1.5" PVC FONTANA CITY HALL MAIN LINE. EXTEND MAINLINE TO RIGHT-OF-WAY IRRIGATION CONTROL VALVES.
- G INSTALL REMOTE CONTROL VALVES AND CONNECT TO WIRES EXTENDED FROM THE EXISTING IRRIGATION CONTROLLER AT THE DEVELOPMENT SERVICE BUILDING TRASH ENCLOSURE.
- H IRRIGATION MAINLINE AND EQUIPMENT ARE SHOWN DIAGRAMMATICALLY (TYP). INSTALL LINES, EQUIPMENT & VALVE MANIFOLDS IN PLANTING AREAS.
- I PULL ADDITIONAL FOUR (4) RED SPIRE WIRES AND ONE (1) WHITE WITH RED LINE FOR CONVENTIONAL WIRES TO THIS LOCATION AND PLACE IN A LOCKING PULL BOX FOR FUTURE USE. PROVIDE WATERPROOF IDENTIFICATION TAG ON EXTRA WIRES.
- J SEE FONTANA CITY HALL ON-SITE PLANS FOR CONTINUATION OF IRRIGATION SYSTEM.
- K PROVIDE MAINLINE STUB OUT AT EACH VALVE MANIFOLD THROUGHOUT THE SYSTEM
- L INSTALL PULL BOX WITH SPARE CONTROLLERS WIRE(S) AT ALL TERMINUS END(S) OF MAINLINE (TYPICAL)

#### IRRIGATION WATER AUDIT

AFTER THE IRRIGATION SYSTEM HAS BEEN INSTALLED AND TESTED THE CONTRACTOR SHALL HAVE THE SYSTEM AUDITED. ALL LANDSCAPE IRRIGATION AUDITS SHALL BE CONDUCTED BY A LOCAL AGENCY LANDSCAPE IRRIGATION AUDITOR OR A THIRD PARTY CERTIFIED LANDSCAPE IRRIGATION AUDITOR. LANDSCAPE AUDITS SHALL NOT BE CONDUCTED BY THE PERSON WHO DESIGNED THE LANDSCAPE OR INSTALLED THE LANDSCAPE.

THE IRRIGATION AUDITOR SHALL PROVIDE A REPORT WITH THE RESULTS OF THE INSPECTION WHICH MAY INCLUDE, BUT IS NOT LIMITED TO: NOTES ON INSPECTION, SYSTEM TUNE-UP, SYSTEM TEST WITH DISTRIBUTION UNIFORMITY, REPORTING OVERSPRAY OR RUN OFF THAT CAUSES OVERLAND FLOW, AND PREPARATION OF AN IRRIGATION SCHEDULE, INCLUDING CONFIGURING IRRIGATION CONTROLLERS WITH APPLICATION RATE, SOIL TYPES, PLANT FACTORS, SLOPE, EXPOSURE AND ANY OTHER FACTORS NECESSARY FOR ACCURATE PROGRAMMING

#### LANDSCAPE DESIGN COMPLIANCE STATEMENT

- I AGREE TO COMPLY WITH THE REQUIREMENTS OF SECTION 28-120 OF THE FONTANA MUNICIPAL CODE, ALSO KNOWN AS THE PRESCRIPTIVE COMPLIANCE OPTION OF THE STATE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE.
- I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND GRADING DESIGN PLANS.
- UNLESS CONTRADICTED BY A SOILS TEST, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER ONE-THOUSAND (1,000) SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL.
- A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED.
- AT THE TIME OF FINAL INSPECTION, THE PERMIT APPLICANT MUST PROVIDE THE OWNER OF THE PROPERTY WITH A CERTIFICATE OF COMPLETION, CERTIFICATE OF INSTALLATION, IRRIGATION SCHEDULE OF LANDSCAPE AND MAINTENANCE.

*James P. Neri*  
JAMES P. NERI  
NERI LANDSCAPE ARCHITECTURE  
LICENSED LANDSCAPE ARCHITECT, RLA#3321

#### EXISTING LANDSCAPE AND IRRIGATION

CONTRACTOR SHALL PROTECT IN PLACE EXISTING LANDSCAPE AND IRRIGATION IDENTIFIED TO REMAIN AND ADJUST EXISTING IRRIGATION, AS NECESSARY, TO PROVIDE 100% COVERAGE BETWEEN EXISTING IRRIGATION AND NEW IRRIGATION AREAS. CONTRACTOR SHALL MAINTAIN IN WORKING CONDITION EXISTING LANDSCAPE AND IRRIGATION OR SHALL HAND-WATER EXISTING PLANTINGS THROUGHOUT CONSTRUCTION AND MAINTENANCE PERIOD. CONTRACTOR SHALL REVIEW EXISTING SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE CITY ENGINEER PRIOR COMMENCING WORK ON EXISTING IRRIGATION.

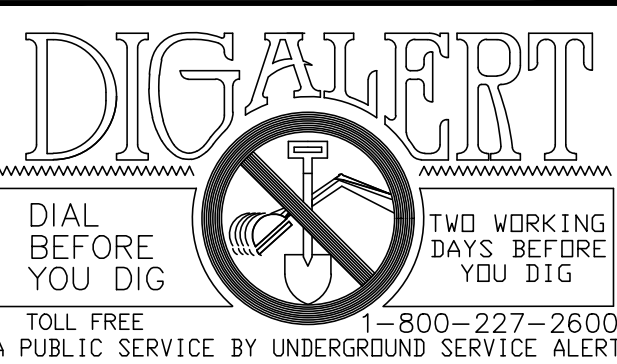
LANDSCAPE PLAN CHECK NUMBER: PLSPC25-0043 L100

#### BASIS OF BEARINGS

THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS N00°17'04"W ON RECORD OF SURVEY NO. 99-0136, FILED IN BOOK 113, PAGE 65, IS THE BASIS OF BEARINGS FOR THIS SURVEY.

#### BENCH MARK

CITY OF FONTANA BENCHMARK # 156  
TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE  
ELEVATION: 1297.54



REV.	REVISION DESCRIPTION	DATE	ENGR.	QTY	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 :











**NLA** NERI LANDSCAPE ARCHITECTURE  
928 HORNLEND STREET, SUITE # 3  
SAN DIEGO, CA 92109  
TEL 858-274-3322 · FAX 858-274-3323  
WWW.NERILA.COM  
Date : 12/15/25  
JAMES P. NERI R.L.A. 3321 EXP. 06-30-27

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


DRAWN BY: OH	LANDSCAPE IRRIGATION PLAN	SCALE: AS SHOWN
DESIGNED BY: JN		DATE: 12/15/25
CHECKED BY: JN		DRAWING NO.: 10/20
APPROVED BY: GIA LAM KIM CITY ENGINEER	DATE: 12/22/25 R.C.E. 62296	



## IRRIGATION EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER / MODEL (BASIS OF DESIGN)	REMARKS	DETAIL
	MAINLINE ISOLATION VALVE	NIBCO MODEL T-113-K	BRONZE, SCREW-IN-BONNET, NON-RISING STEM, CROSS HANDLE, SOLID WEDGE, THREADED VALVE. INSTALL ISOLATION VALVE BEFORE ALL DRIVEWAYS/ STREET CROSSING.	A/L102
	MANIFOLD ISOLATION VALVE	DURA T1-XXXW BALL VALVE (AT VALVE MANIFOLDS, 2" & SMALLER)	SAME SIZE AS MAIN LINE, COMPACT BALL VALVE, WHITE COLOR	E/L102
	REMOTE CONTROL VALVE	RAINBIRD EFB-CP-PRS-D-1" BRASS REMOTE CONTROL VALVE	VALVE SIZE PER PLAN - BRASS REMOTE CONTROL VALVE, THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION, RECLAIMED WATER COMPATIBLE, AND PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.	A/L103
	QUICK COUPLER ASSEMBLY	QUICK COUPLER: RAINBIRD 33-DNP 3/4" KEY: RAINBIRD 44K SWIVEL: RAINBIRD SH-1	3/4" BRASS QUICK COUPLING VALVE, NON POTABLE PURPLE RUBBER COVER - PROVIDE (2) QUICK COUPLER KEYS, (2) HOSE SWIVELS	D/L102
	CAP/ STUB OUT MAIN LINE AT VALVE MANIFOLD	- - -	CAP FOR FUTURE USE CAP AT THE MAINLINE/ AT VALVE MANIFOLDS THROUGHOUT THE SITE FOR FUTURE USE.	- - -
NO SYMBOL	CONTROL WIRE (CONVENTIONAL)	DIRECT BURIAL WIRE	14 GAUGE PILOT: 12 GAUGE COMMON. PROVIDE 4 RED EXTRA WIRES AND 1 WHITE WITH RED LINE FOR EXTRA COMMON WIRES AT EACH VALVE MANIFOLD THROUGHOUT THE SYSTEM.	G/L102
	PVC LATERAL LINE PIPE	PACIFIC WESTERN PIPE OR EQUAL PURPLE COLOR	SCHEDULE 40 PVC FOR ALL LATERAL LINES (NO 1/2" PIPE )	D/L103
	PVC SLEEVE	PACIFIC WESTERN PIPE OR EQUAL PURPLE COLOR	PVC SCH 80 UNDER ROADS, SCH 40 UNDER WALKS 2 X DIAMETER OF SLEEVED PIPE: 2" MINIMUM	F/L102
	EXISTING PRESSURE SUPPLY LINE	EXISTING PRESSURE SUPPLY LINE	EXISTING TO REMAIN - FIELD VERIFY LOCATION	- - -
	PRESSURE SUPPLY LINE - PVC	PACIFIC WESTERN PIPE OR EQUAL PURPLE COLOR	PVC SCH 40 FOR LINES 1-1/2" & SMALLER, CLASS 315 FOR PIPES 2" AND LARGER	D/L103, F/L102
NO SYMBOL	VALVE BOXES	CARSON 1419-12 WITH BOLT DOWN LOC-KIT : PLASTIC VALVE BOX WITH BOLT DOWN , COLOR: PURPLE COLOR ISO. VALVE: CARSON 910 WITH BOLT DOWN PLASTIC ISOLATION VALVE BOX; COLOR: PURPLE	RCV: 14 "x19", 12" DEEP, HEAT BRAND VALVE NUMBER IN LID ISO VALVE BOX/QC :10" DIA. x 10" DEEP, HEAT BRAND WITH 'ICV'/QC' IN LID	H/L102
	PULL BOXES	CARSON 011 TRUSS T PLASTIC VALVE BOX WITH TWIST N LOCK COVER, COLOR: PURPLE COLOR	SIZE: 10" DIA. X 9" DEEP, HEAT BRAND WITH 'PB' IN LID. INSTALL AT CHANGES IN DIRECTION AND AT 300' MAX.	H/L102

### SPRAY HEAD SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER/ MODEL NUMBER	PSI / RADIUS (FT.) / DISCHARGE (GPM)	DETAIL
 20	TREE BUBBLER IN ROOT ZONE STANDPIPE	RAIN BIRD RWS -B-C-P WITH RWS ROCK1400 SERIES TREE ROOT WATERING SYSTEM WITH 4" DIAMETER x 36 " LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE, CHECK VALVE, PURPLE GRATE. INSTALL TWO BUBBLERS PER TREE.	20' ~0.25	A/L103

## GENERAL NOTES


1. IRRIGATION SYSTEMS ARE TO BE INSTALLED AS SHOWN ON THE PLANS, AS DIRECTED, IN ACCORDANCE WITH CURRENT LOCAL PLUMBING CODES AS OF THE APPROVED DATE OF THESE PLANS.
2. THE CONTRACTOR SHALL MAKE SURE ALL LANDSCAPED AREAS AFFECTED BY THIS CONSTRUCTION RECEIVE 100% IRRIGATION COVERAGE.
3. IRRIGATION MAINLINE AND EQUIPMENT ARE SHOWN DIAGRAMMATICALLY. THE CONTRACTOR SHALL INSTALL EQUIPMENT IN PLANTING AREAS UNLESS APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
4. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES, STRUCTURES, AND EXISTING IRRIGATION EQUIPMENT IN THE WORK AREA PRIOR TO ORDERING ANY IRRIGATION MATERIALS AND PROCEEDING WITH THE INSTALLATION OF THE IRRIGATION SYSTEM. IF A CONFLICT EXISTS BETWEEN SUCH OBSTACLES AND THE PROPOSED WORK, CONTRACTOR SHALL PROMPTLY NOTIFY THE LANDSCAPE ARCHITECT TO ARRANGE FOR REQUIRED RE-LOCATIONS PRIOR TO START OF CONSTRUCTION. IF THE CONTRACTOR FAILS TO NOTIFY THE LANDSCAPE ARCHITECT SHOULD THE LOCATIONS BE FOUND DIFFERENT, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY CHANGES AND ADDITIONS THAT MAY OCCUR TO THE SYSTEMS.
5. THE CONTRACTOR SHALL INSTALL MANIFOLDS (QUICK COUPLERS/ HOSE BIBS AND REMOTE CONTROL VALVES) ADJACENT TO WALKS AND CURBS (12" MAX. FROM SUCH EDGES) IN PLANTING AREAS. IN NO CASE SHALL VALVES BE LOCATED IN PAVED AREAS, UNLESS APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
6. ALL LATERAL END RUNS ARE 3/4" SIZE UNLESS INDICATED OTHERWISE.
7. ALL IRRIGATION LINES PASSING UNDER ROADS, THROUGH WALLS, STRUCTURES, ETC. SHALL BE SLEEVED AND SPECIFIED. SLEEVES SHALL BE 2 TIMES THE DIAMETER OF PIPE TO BE SLEEVED, MINIMUM.
8. CONTROL WIRES PASSING UNDER ROADS, THROUGH WALLS, STRUCTURES, ETC. SHALL BE INSTALLED AS SPECIFIED IN CONDUIT SLEEVES AT LEAST 2 TIMES THE DIAMETER OF WIRE BUNDLE (2" SIZE MINIMUM). KEEP CONDUIT SEPARATE FROM WATER LINE SLEEVES.
9. WHERE ELEVATION DIFFERENCES GREATER THAN 4.5 FEET OCCUR WITHIN THE DRIP IRRIGATION SYSTEM, INSTALL IN-LINE CHECK VALVES AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXTENT OF ANY SIMULTANEOUS AND ESSENTIAL WORK BY OTHERS ON THE SITE. CONTRACTORS SHALL COORDINATE THEIR OPERATIONS AND SHALL COOPERATE TO MINIMIZE INTERFERENCE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTING AND DIMENSIONING FROM FIXED OBJECTS, THE EXACT LOCATION OF REMOTE CONTROL WIRING ROUTE, MAINLINE ROUTE, VALVES AND ALL OTHER MAJOR IRRIGATION EQUIPMENT ON THE "AS-BUILT" DRAWINGS. SEE ALSO SPECIFICATIONS.
12. CONTRACTOR SHALL COORDINATE AND PLACE IRRIGATION LINES PRIOR TO CONCRETE POUR WHERE SLEEVEING IS NOT POSSIBLE (TYP).
13. PROTECT EXISTING PLANTING TO REMAIN IN PLACE AND TRENCH ONLY WHERE NECESSARY, USING SHARPENED NARROW TRENCHING SHOVEL BLADES THROUGH AREAS WHERE ROOTS ARE LEAST APPARENT. TRENCH UNDER ROOTS OVER 1" IN DIAMETER.
14. CONTRACTOR TO CONTACT THE PUBLIC WORKS DEPARTMENT PRIOR TO START OF CONSTRUCTION.  
CONTACT BRIAN CLEMENTS AT bclements@fotianaca.gov or (909) 350-6771.

WATER SOURCE

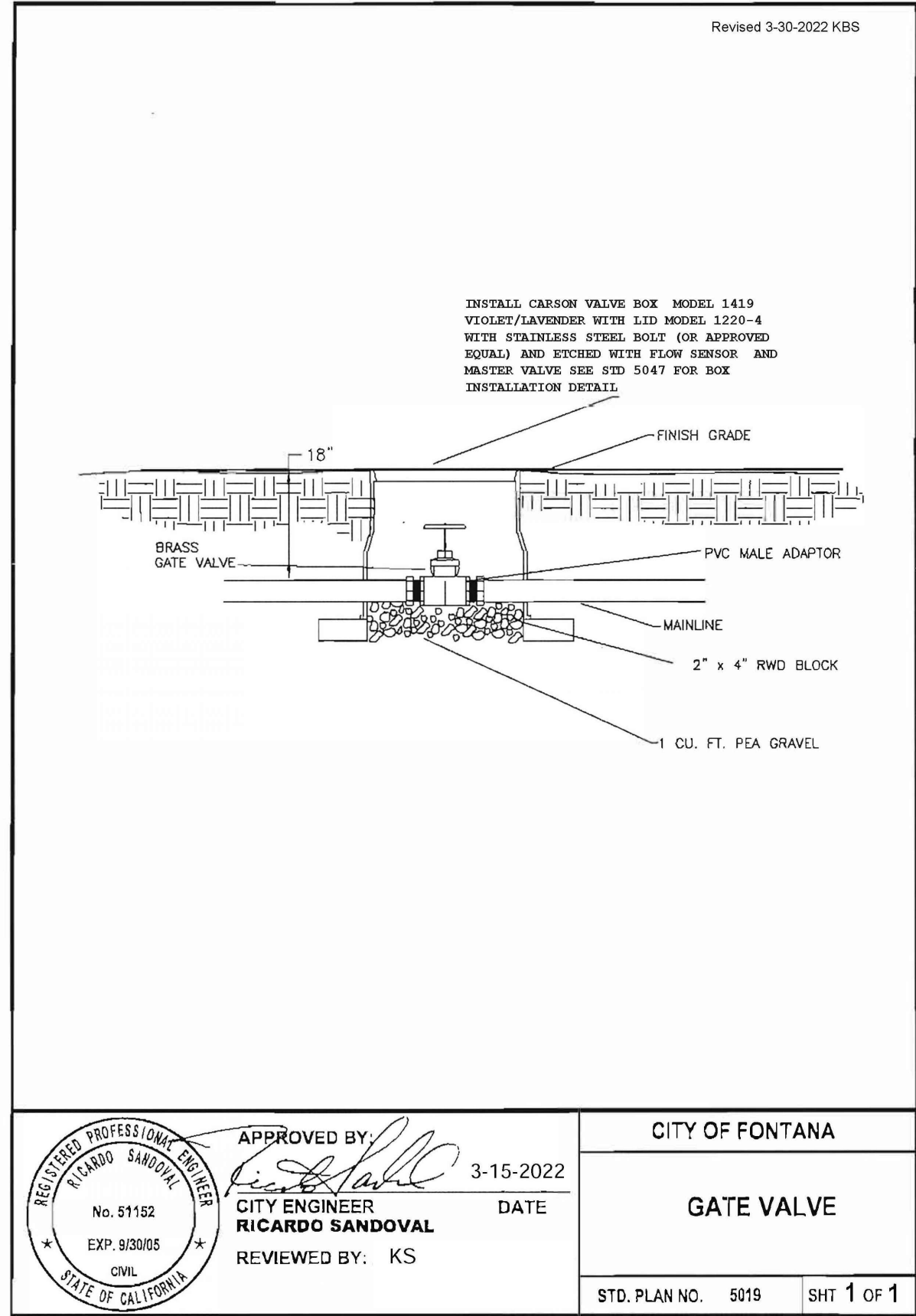
1. THE IRRIGATION POINT OF CONNECTION (P.O.C.) EXISTS DOWNSTREAM FROM THE EXISTING BACKFLOW PREVENTER.
2. CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND THE STATIC WATER PRESSURE OF 87 PSI AT POINTS OF CONNECTION PRIOR TO ORDERING ANY IRRIGATION MATERIALS AND PROCEEDING WITH INSTALLING IRRIGATION SYSTEM. IF THE CONTRACTOR FAILS TO NOTIFY THE LANDSCAPE ARCHITECT SHOULD THE STATIC WATER PRESSURE FOUND BE DIFFERENT, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CHANGES AND ADDITIONS THAT MAY OCCUR TO THE SYSTEMS.
3. THE IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 30 PSI AT TREE BUBBLERS & 30 PSI AT OVERHEAD SPRAYS.

## CONTROLS

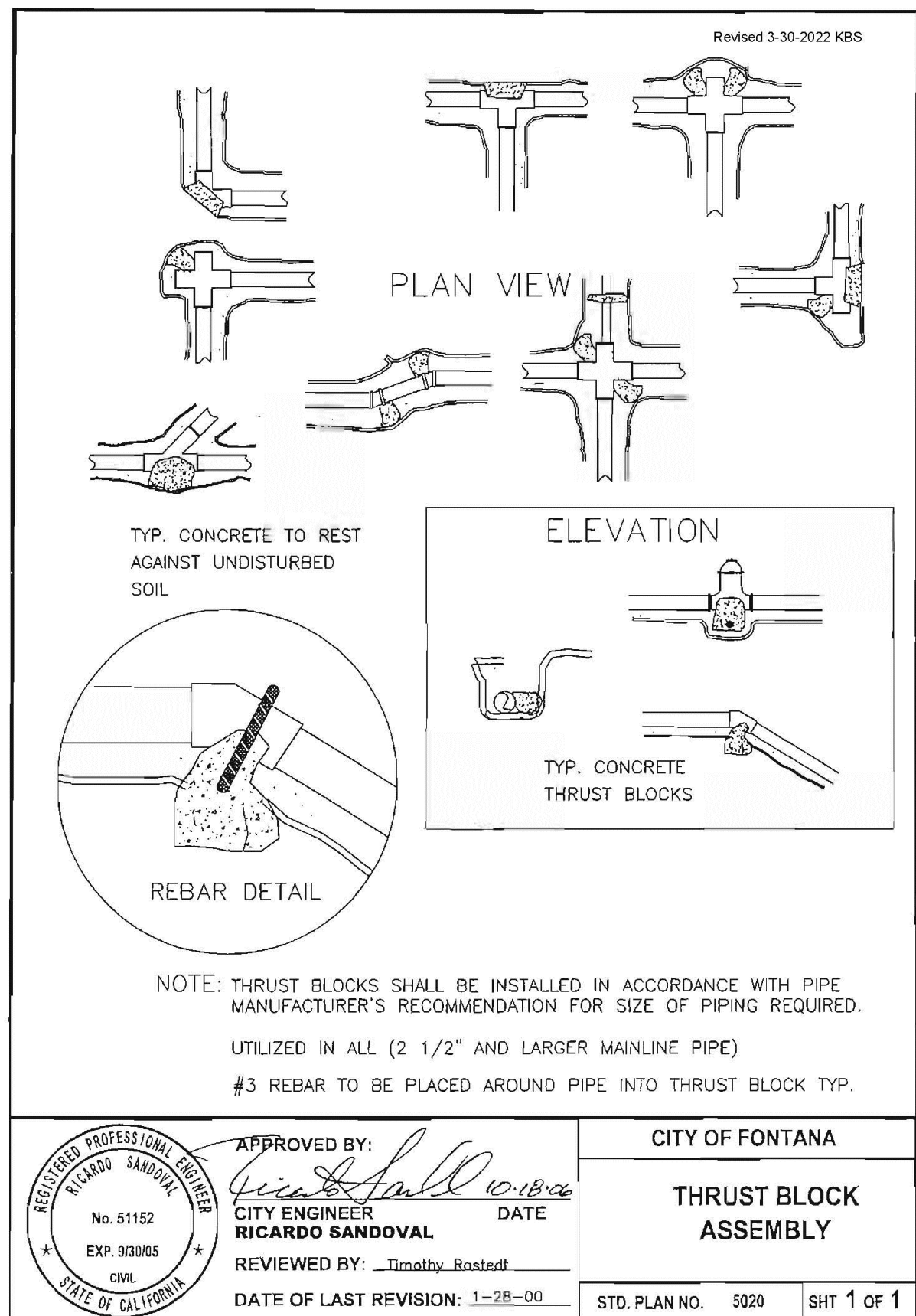
1. SYSTEMS OF THIS PROJECT ARE CONTROLLED BY EXISTING SOLID STATE IRRIGATION CONTROLLER . THE CONTRACTOR SHALL MAINTAIN STRICT COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR PROPER GROUNDING, INSTALLATION AND USE.

LANDSCAPE PLAN CHECK NUMBER: PLSPC25-0043										L101																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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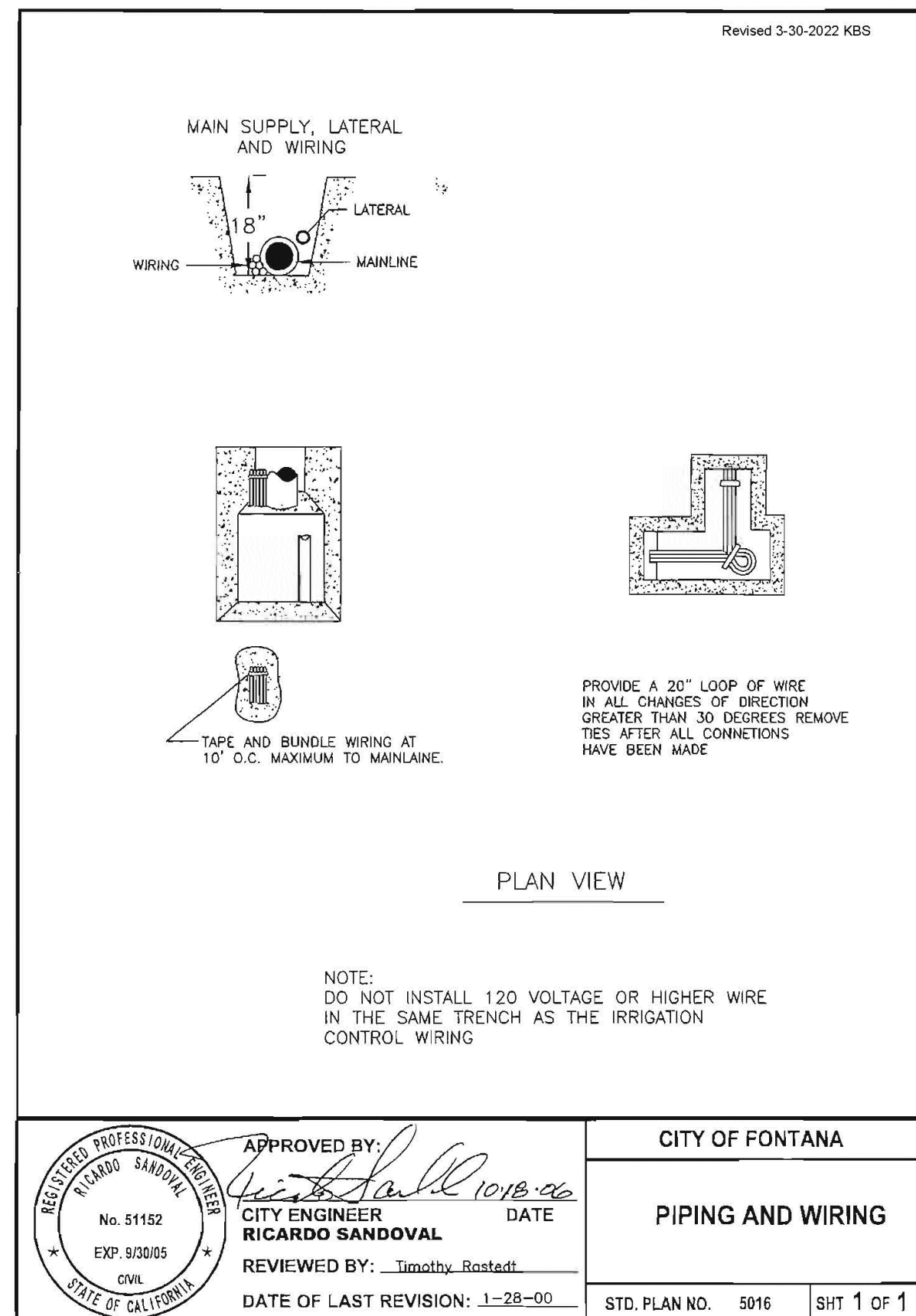




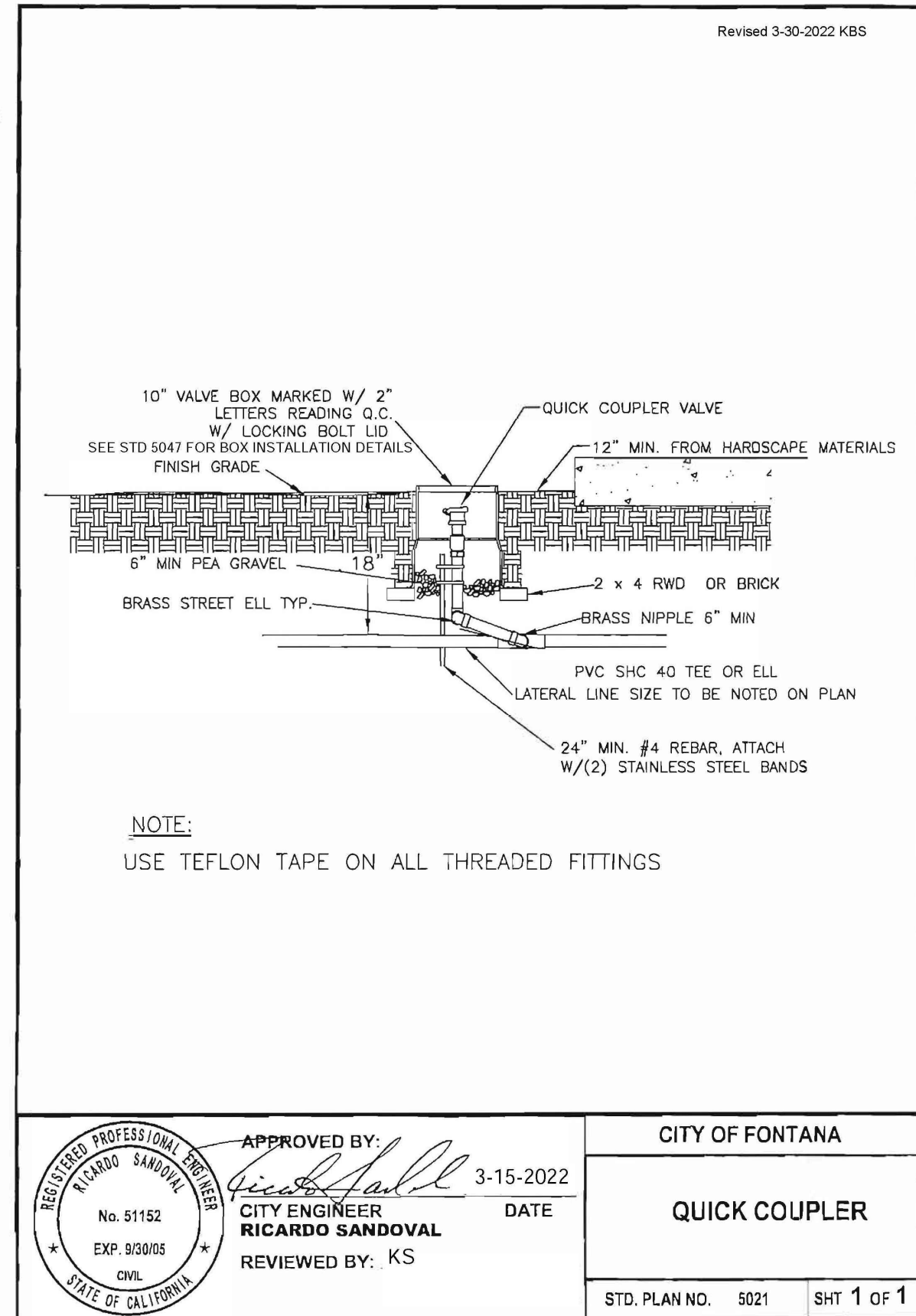
**A GATE VALVE**  
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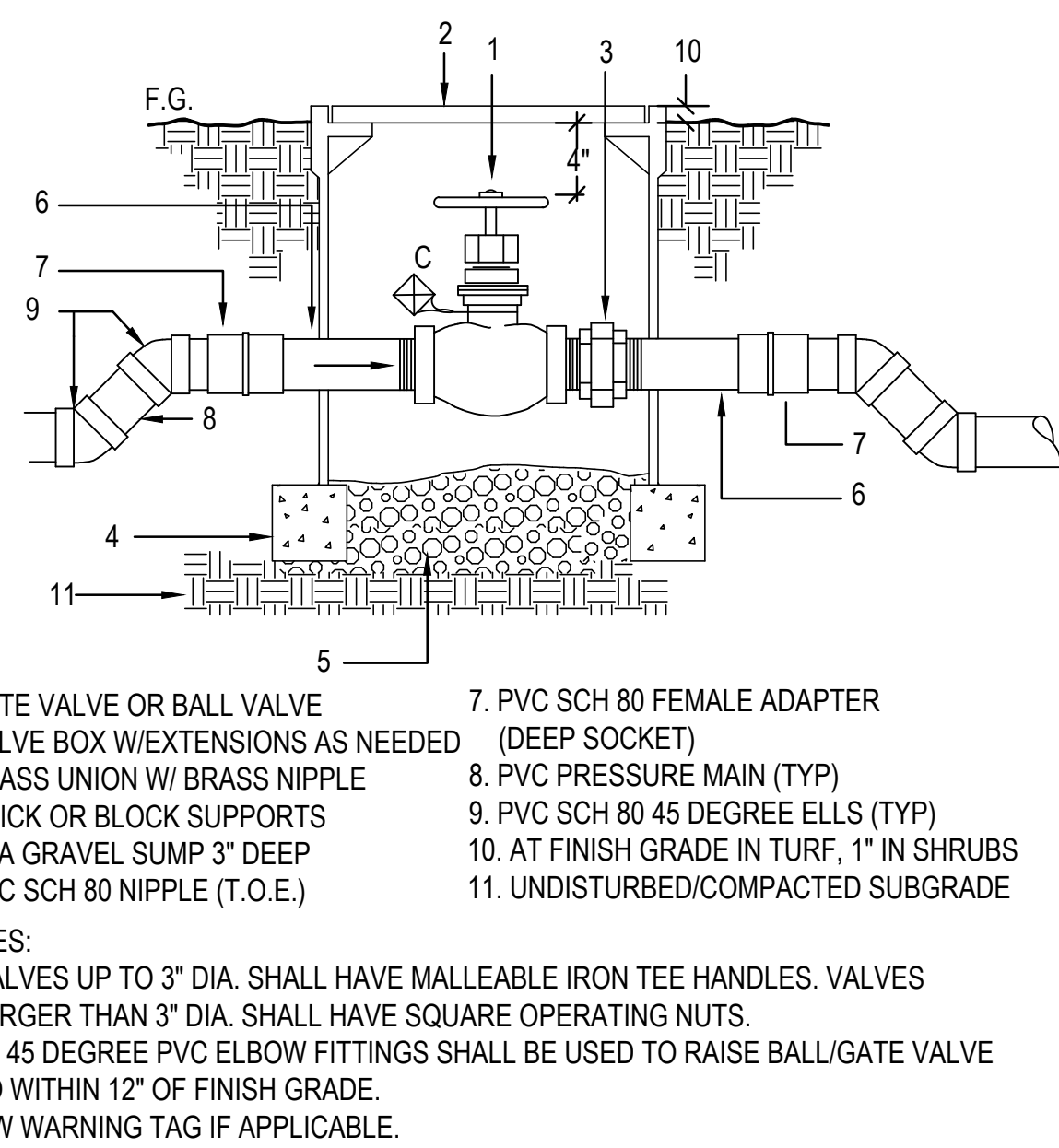
**B THRUST BLOCK ASSEMBLY**  
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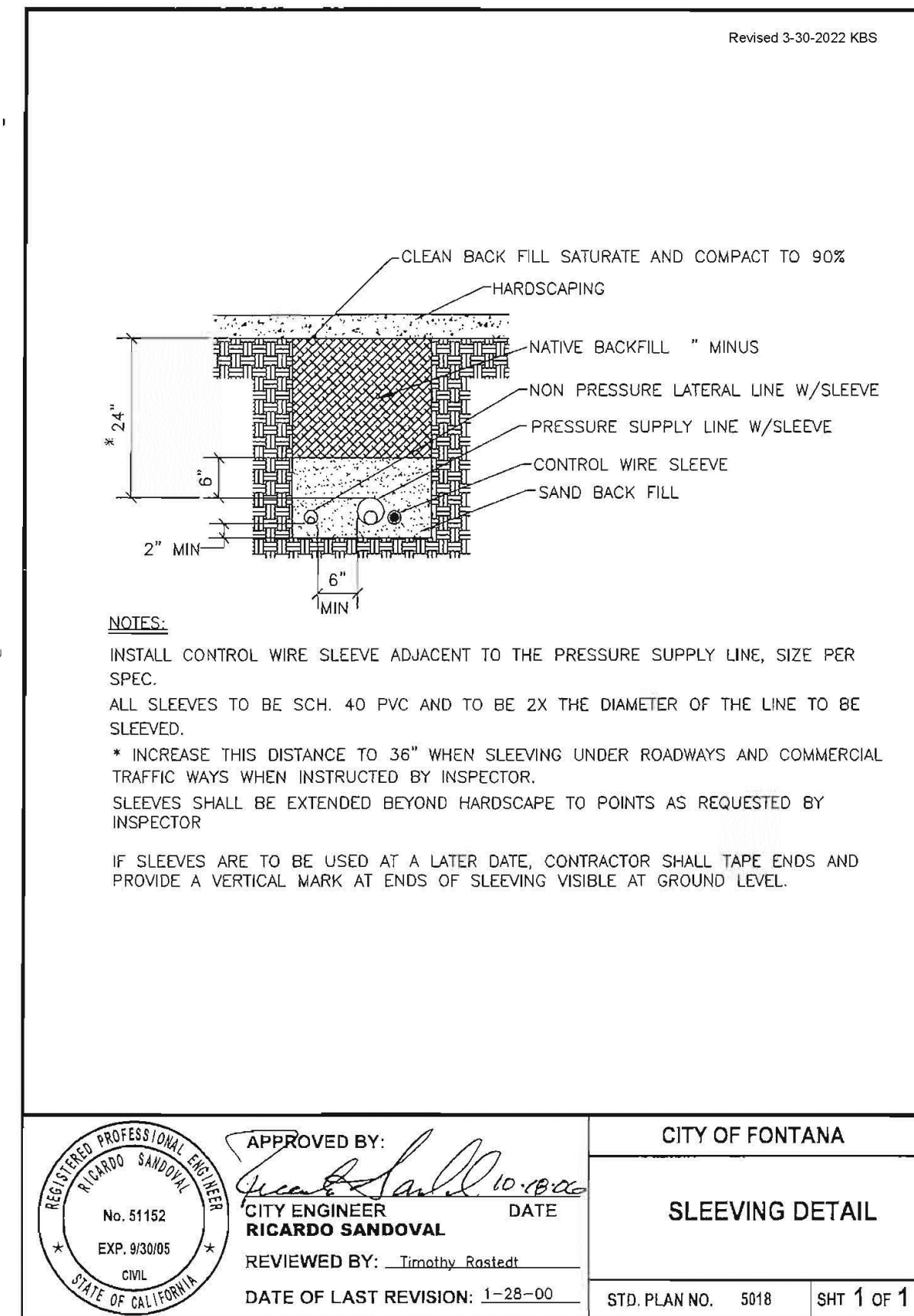
**C PIPING AND WIRING**  
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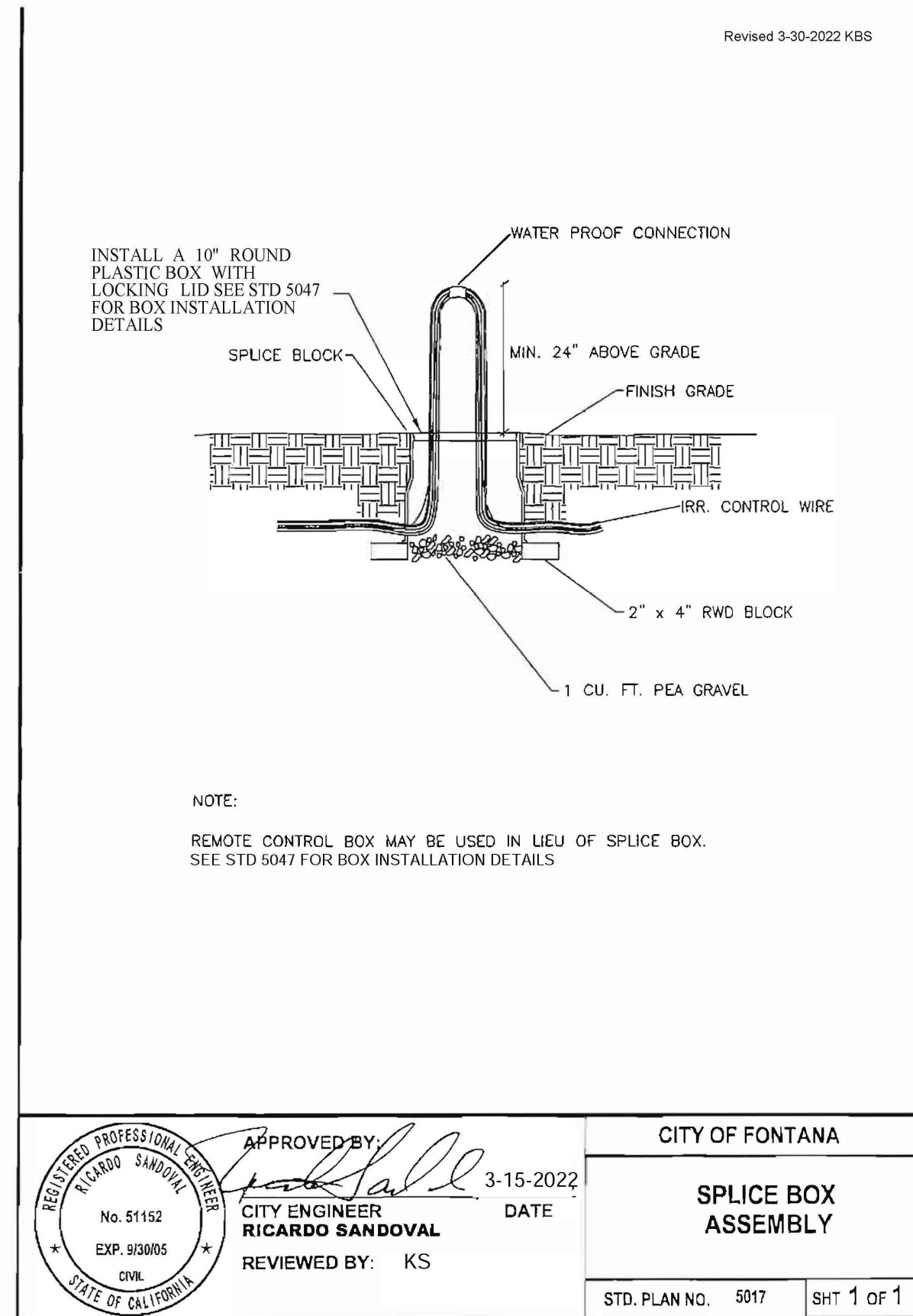
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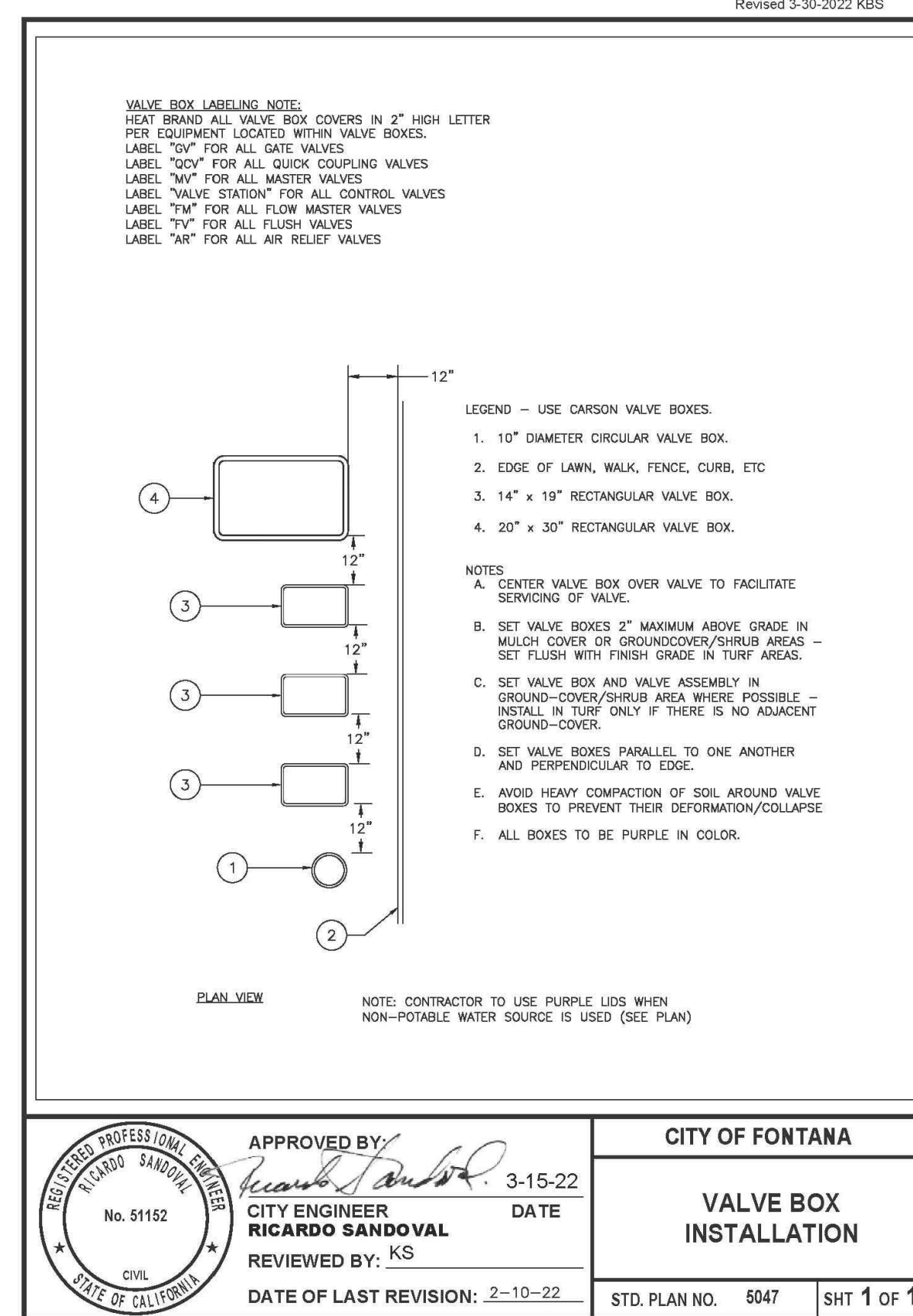
**E MANIFOLD ISOLATION VALVE**  
SECTION NOT TO SCALE



**F SLEEVING DETAIL**  
SECTION NOT TO SCALE



**G SPLICE BOX ASSEMBLY**  
SECTION NOT TO SCALE



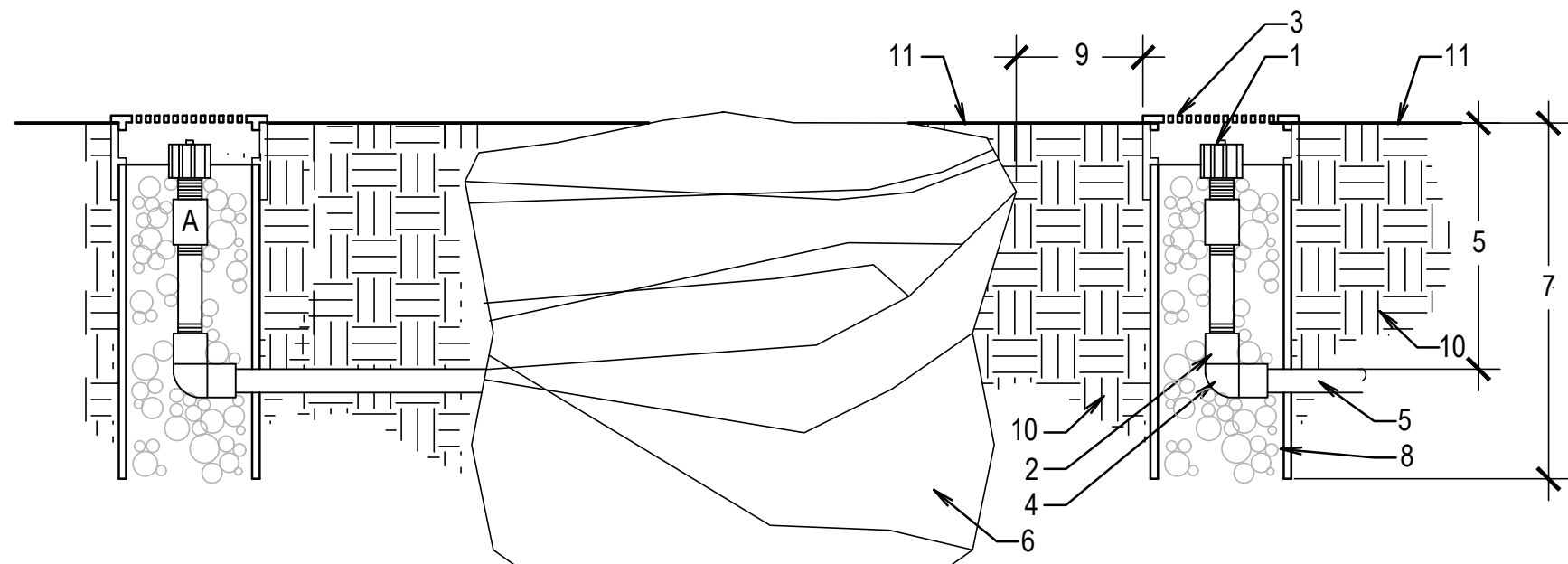
**H VALVE BOX INSTALLATION**  
SECTION NOT TO SCALE  
LANDSCAPE PLAN CHECK NUMBER: PLSPC25-0043 L102

<b>BASIS OF BEARINGS</b> THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS N00°17'04"W ON RECORD OF SURVEY NO. 99-0136, FILED IN BOOK 113, PAGE 65, IS THE BASIS OF BEARINGS FOR THIS SURVEY.		<b>BENCH MARK</b> CITY OF FONTANA BENCHMARK # 156 TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE ELEVATION: 1297.54		<div><div>DIGALERT</div><div><div>DIAL BEFORE YOU DIG</div><div>TWO WORKING DAYS BEFORE YOU DIG</div></div><div>TOLL FREE 1-800-227-2600 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT</div></div>		<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>REV.</td><td>REVISION DESCRIPTION</td><td>DATE</td><td>ENGR.</td><td>CITY</td><td>DATE</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										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.		<div><div><div>REGISTERED LANDSCAPE ARCHITECT JAMES P. NERI Expires 6/30/27 R.L.A. 3321 STATE OF CALIFORNIA</div></div></div>		Prepared Under The Supervision Of : <div><div><div>NLA</div><div>NERI LANDSCAPE ARCHITECTURE 928 HORNBLAND STREET, SUITE # 3 SAN DIEGO, CA 92109 TEL 858-274-3322 • FAX 858-274-3323 WWW.NERILA.COM</div></div><div>Date : 12/15/25 JAMES P. NERI R.L.A. 3321 EXP. 06-30-27</div></div>		<table><tr><td colspan="4">CITY OF FONTANA, CALIFORNIA STREET IMPROVEMENT PLAN</td></tr><tr><td>DRAWN BY: OH</td><td>DESIGNED BY: JN</td><td>CHECKED BY: JN</td><td>APPROVED BY: GIA LAM KIM CITY ENGINEER</td></tr><tr><td>DATE: 12/15/25</td><td>DATE: 12/22/25</td><td>DATE: R.C.E. 62296</td><td>DRAWING NO.: 6569</td></tr><tr><td>SCALE: AS SHOWN</td><td colspan="3"><div><div>12</div><div>20</div></div></td></tr></table>		CITY OF FONTANA, CALIFORNIA STREET IMPROVEMENT PLAN				DRAWN BY: OH	DESIGNED BY: JN	CHECKED BY: JN	APPROVED BY: GIA LAM KIM CITY ENGINEER	DATE: 12/15/25	DATE: 12/22/25	DATE: R.C.E. 62296	DRAWING NO.: 6569	SCALE: AS SHOWN	<div><div>12</div><div>20</div></div>		
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1. INSTALL IN CENTER OF SLEEVE. 4" MAX. BELOW GATE CAP

2. PVC SCH. 80 THREADED NIPPLE

3. LOCKING CAP BURIED 4" DEEP IN ENCLOSURE, 2" ABOVE GRADE IN PLANTER AREAS

4. PVC SCH. 40 ELL (SLIP X THREAD)

5. 3/4" CLASS 200 PVC PIPE 12" DEEP

6. TREE ROOT BALL

7. SLEEVE HALF THE DISTANCE OF ROOT BALL DEPTH. (MIN. LENGTH 18")
8. 4" PERFORATED SDR35 DRAIN PIPE WITH FILTER FABRIC. FILL SLEEVE WITH 3/4" GRAVEL TO WITHIN 2" OF BUBBLER. INSTALL SLEEVE VERTICAL PLUMB

9. 6" MAX. FROM ROOTBALL

10. COMPACTED SOIL BACKFILL

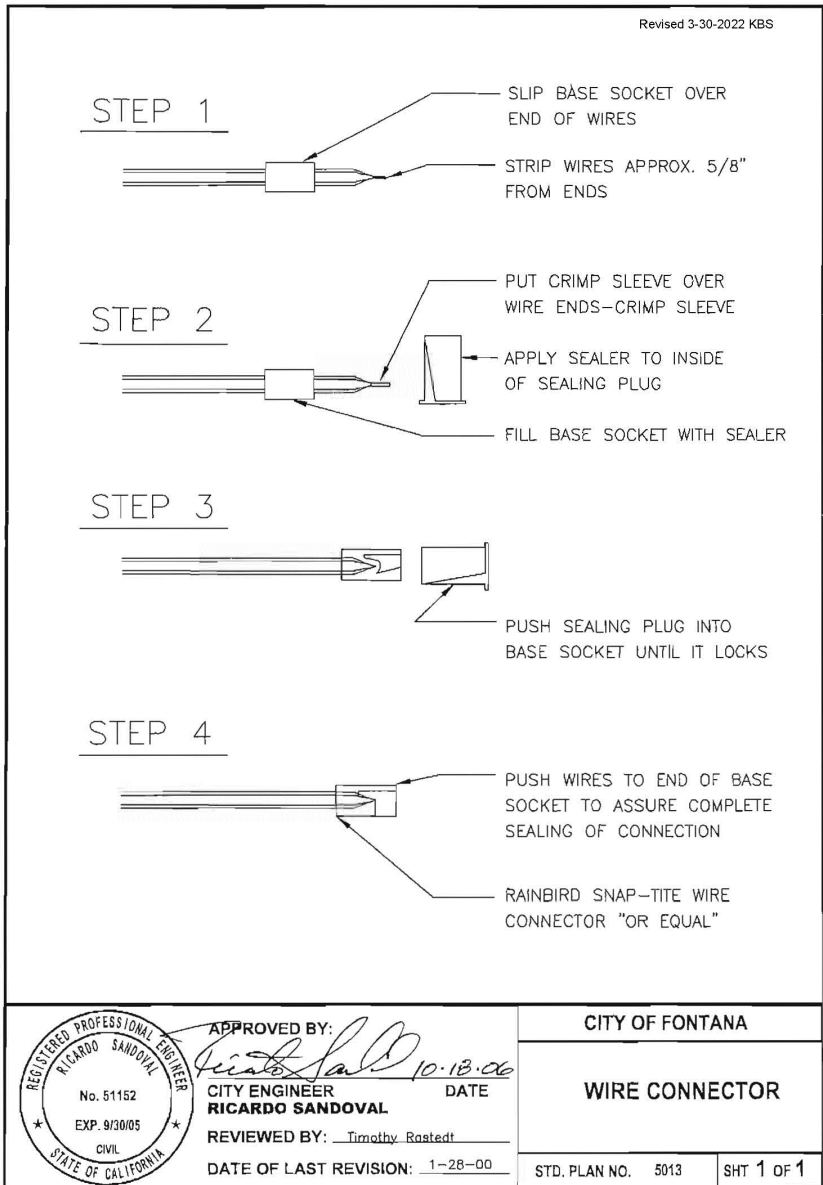
11. FINISH GRADE

A

TREE BUBBLER IRRIGATION

SECTION

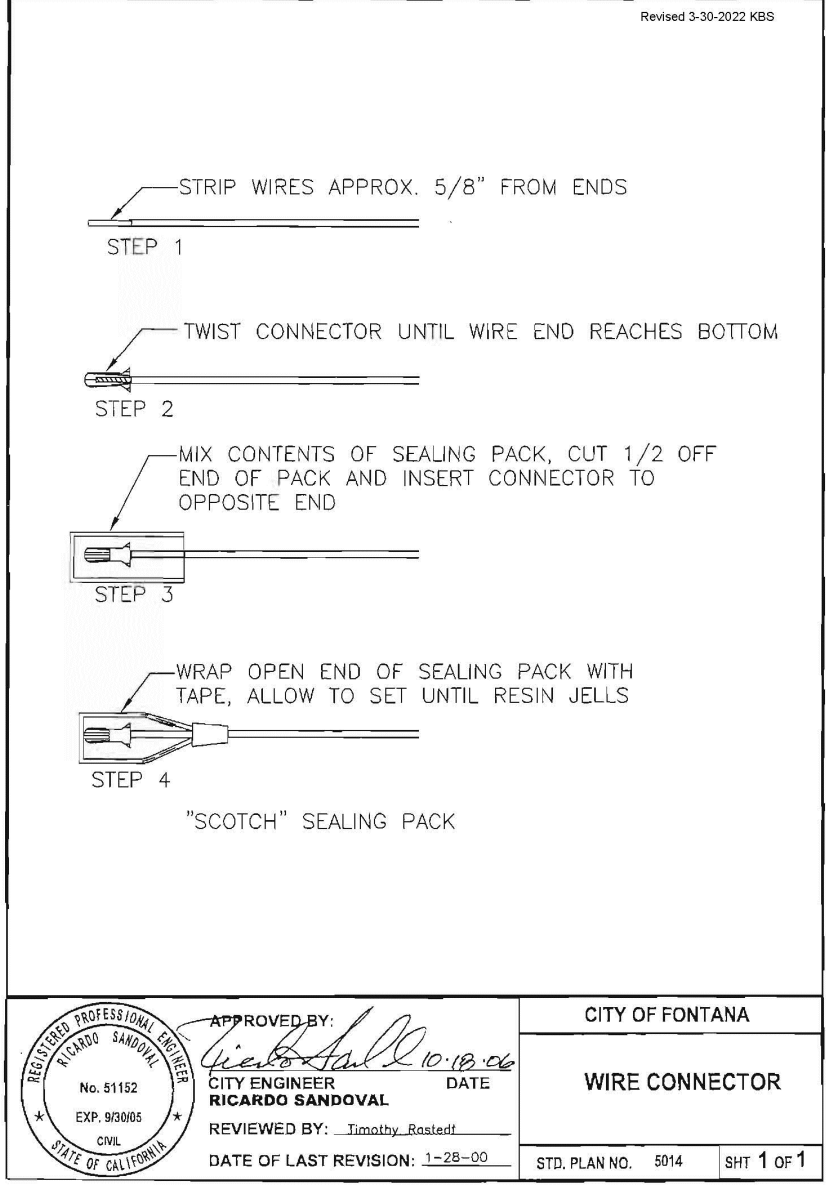
NOT TO SCALE



B

WIRE CONNECTOR

SECTION



C

WIRE CONNECTOR

SECTION

LANDSCAPE PLAN CHECK NUMBER: PLSPC25-0043 L104

<b>BASIS OF BEARINGS</b> THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS N00°17'04"W ON RECORD OF SURVEY NO. 99-0136, FILED IN BOOK 113, PAGE 65, IS THE BASIS OF BEARINGS FOR THIS SURVEY.		<b>BENCH MARK</b> CITY OF FONTANA BENCHMARK # 156 TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE ELEVATION: 1297.54			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 :  928 HORNBLEND STREET, SUITE # 3 SAN DIEGO, CA 92109 TEL 858-274-3222 · FAX 858-274-3223 WWW.NERILA.COM Date : 12/15/25 JAMES P. NERI      R.L.A. 3321      EXP. 06-30-27	<b>CITY OF FONTANA, CALIFORNIA</b> <b>STREET IMPROVEMENT PLAN</b>				DRAWN BY: OH DESIGNED BY: JN CHECKED BY: JN	LANDSCAPE IRRIGATION DETAILS		SCALE: AS SHOWN DATE: 12/15/25 DRAWING NO.: 6569	14 20
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WATER USE CALCULATIONS



City of Fontana  
Department of Engineering

WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package.

Reference Evapotranspiration (ETo) 55.6 (San Bernardino)

Hydrozone # /Planting Description <sup>a</sup>	Plant Factor (PF)	Irrigation Method <sup>b</sup>	Irrigation Efficiency (IE) <sup>c</sup>	ETAF (PFIE)	Landscape Area (sq. ft.)	ETAF x Area	Estimated Total Water Use (ETWU) <sup>d</sup>
Regular Landscape Areas							
B33 - Tree (Bubblers)	0.1	SPRAY	0.75	0.133	160	21.280	734
				Totals	160 (A)	21.28	
Special Landscape Areas							
				1			
				1			
				1			
				Totals	(C)	(D)	
							ETWU Total 734
							Maximum Allowed Water Allowance (MAWA) <sup>e</sup> 2,482

<sup>a</sup>Hydrozone #/Planting Description  
E.g.  
1.) front lawn  
2.) low water use plantings  
3.) medium water use planting

<sup>b</sup>Irrigation Method  
overhead spray  
or drip

<sup>c</sup>Irrigation Efficiency  
0.75 for spray head  
0.81 for drip

<sup>d</sup>ETWU (Annual Gallons Required) =  
Eto x 0.62 x ETAF x Area  
where 0.62 is a conversion  
factor that converts acre-  
inches per acre per year to  
gallons per square foot per  
year.

<sup>e</sup>MAWA (Annual Gallons Allowed) = (Eto) ( 0.62) [ (ETAF x LA)  
+ ((1-ETAF) x SLA)]  
where 0.62 is a conversion factor that converts acre-  
inches per acre per year to gallons per square foot per  
year. LA is the total landscape area in square feet, SLA  
is the total special landscape area in square feet,  
and ETAF is .55 for residential areas and 0.45 for non-  
residential areas.

ETAF Calculations

Regular Landscape Areas

Total ETAF x Area (B)	21.28
Total Area (A)	160
Average ETAF (B ÷ A)	0.13

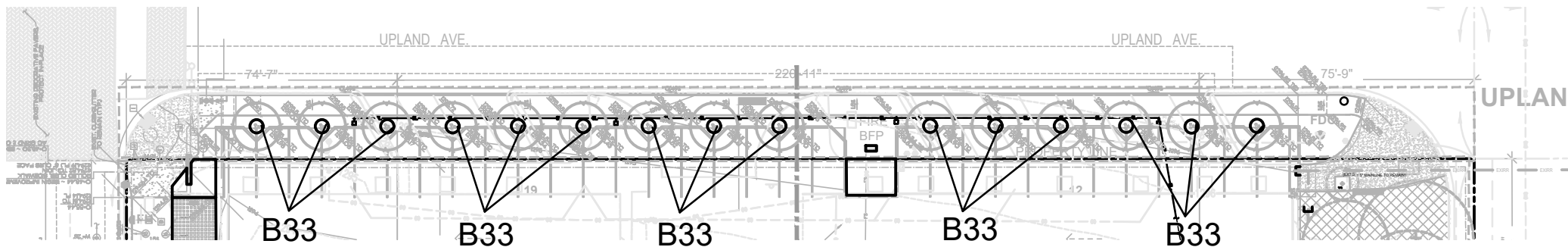
Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

All Landscape Areas

Total ETAF x Area (B+D)	21.28
Total Area (A+C)	160
Site-wide ETAF (B+D) ÷ (A+C)	0.13

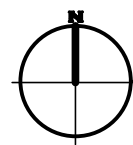
Signed: *Jim Neri*

Date: 8 December 1025



HYDROZONE MAP - LEVEL 1

NOT TO SCALE



APPLICANT / PROPERTY OWNER STATEMENT:  
"I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND GRADING DESIGN PLAN .

*James P. Neri*  
SIGNATURE OF LANDSCAPE ARCHITECT

12/15/25  
DATE

WATERING SCHEDULE (ESTABLISHMENT PERIOD - 7 DAYS A WEEK)

FONTANA ROW IRRIGATION RUN TIME SCHEDULE - ESTABLISHMENT PERIOD

CONTROLLER						12/8/2025											
B						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ETO/ MONTH (IN):						2.4	2.8	4.0	5.3	6.1	6.3	7.4	6.7	5.1	4.3	2.8	2.3
ETO/DAY (IN):						0.08	0.10	0.13	0.18	0.20	0.21	0.24	0.22	0.17	0.14	0.09	0.07
TOTAL ETO/ YEAR						55.6											
VALVE NUMBER	ZONE DESCRIPTION	PLANT FACTOR (PF)	IRRIG EFF (IE)	# OF DAYS TO IRRIGATE	PRECIP RATE (IN/HR)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
B33	LOW WATER USE PLANTS, SPRAY IRRG	0.1	0.75	7	0.85	1	1	1	2	2	2	2	2	2	1	1	1
# OF ZONES						1	1	1	1	2	2	2	2	2	1	1	1
TOTAL # OF ZONES						1	1	1	2	2	2	2	2	2	1	1	1
SEASONAL ADJUSTMENT %						67%	67%	67%	100%	100%	100%	100%	100%	100%	67%	67%	67%

\*Disclaimer: Run times shown are based on historical weather, average plant, and manufacturer's irrigation test data and are intended for use as an initial guide in irrigation controller programming. The irrigation programmer shall adjust all irrigation run times shown according to observed plant health, soil moisture, and site microclimates. Note: Seasonal Adjustments are based on July @ 100%.

WATERING SCHEDULE (POST ESTABLISHMENT PERIOD - 3 DAYS A WEEK)

FONTANA ROW IRRIGATION RUN TIME SCHEDULE -POST ESTABLISHMENT PERIOD

CONTROLLER						12/8/2025											
B						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ETO/ MONTH (IN):						2.4	2.8	4.0	5.3	6.1	6.3	7.4	6.7	5.1	4.3	2.8	2.3
ETO/DAY (IN):						0.08	0.10	0.13	0.18	0.20	0.21	0.24	0.22	0.17	0.14	0.09	0.07
TOTAL ETO/ YEAR						55.6											
VALVE NUMBER	ZONE DESCRIPTION	PLANT FACTOR (PF)	IRRIG EFF (IE)	# OF DAYS TO IRRIGATE	PRECIP RATE (IN/HR)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
B33	LOW WATER USE PLANTS, SPRAY IRRG	0.1	0.75	3	0.85	2	2	3	4	4	5	5	5	4	3	2	2
# OF ZONES						1	2	2	3	4	4	5	5	4	3	2	2
TOTAL # OF ZONES						1	2	2	3	4	4	5	5	4	3	2	2
SEASONAL ADJUSTMENT %						38%	38%	63%	88%	88%	100%	100%	100%	88%	63%	38%	38%

\*Disclaimer: Run times shown are based on historical weather, average plant, and manufacturer's irrigation test data and are intended for use as an initial guide in irrigation controller programming. The irrigation programmer shall adjust all irrigation run times shown according to observed plant health, soil moisture, and site microclimates. Note: Seasonal Adjustments are based on July @ 100%.

- ☒ "I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE STATE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND HAVE SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE."
- ☒ "A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES."
- ☒ "I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND GRADING DESIGN PLANS."
- ☒ "A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE DESIGNER OF THE LANDSCAPE PLANS, OR THE LICENSES LANDSCAPE CONTRACTOR FOR THE PROJECT."
- ☒ "A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS, CREEPING OR ROOTING GROUND COVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRADICTED."
- ☒ "NO CERTIFICATE OF OCCUPANCY SHALL BE ISSUED UNTIL THE CITY LANDSCAPE INSPECTOR HAS VERIFIED THAT ALL IRRIGATION, GRADING, AND PLANTING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS OF FCC SECTION 28-117 AT TIME OF FINAL INSPECTION."
- ☒ "AT THE TIME OF FINAL INSPECTION, THE PERMIT APPLICANT MUST PROVIDE THE OWNER OF THE PROPERTY WITH A CERTIFICATE OF COMPLETION, CERTIFICATE OF INSTALLATION, IRRIGATION SCHEDULE OF LANDSCAPE AND MAINTENANCE."
- ☒ "AN IRRIGATION AUDIT REPORT SHALL BE COMPLETED PER FCC SECTION 28-106 AT TIME OF FINAL INSPECTION."
- ☒ "RECIRCULATING WATER SYSTEMS SHALL BE USED FOR WATER FEATURES."
- ☒ "WITH REGARD TO LANDSCAPE MAINTENANCE DISTRICTS (LMD) OR PUBLIC LANDSCAPE, IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO COMPLY WITH FCC SECTION 28-118, SPECIAL LANDSCAPE DISTRICT REQUIREMENTS."
- ☒ "PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE IS BELOW OR EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES."
- ☒ "CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL SPRINKLER HEADS WHERE LOW POINT DRAINAGE OCCUR."

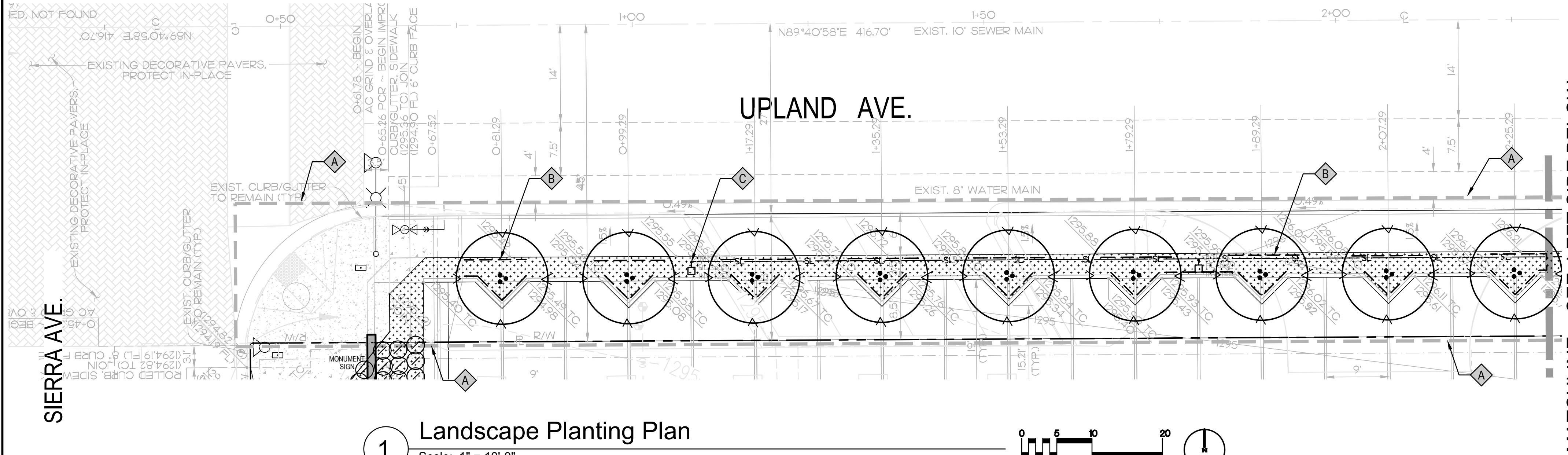
CERTIFIED BY: JAMES P. NERI  
NERI LANDSCAPE ARCHITECTURE  
LICENSED LANDSCAPE ARCHITECT,  
RLA#3321

SIGNATURE: *James P. Neri* DATE: 12/15/25

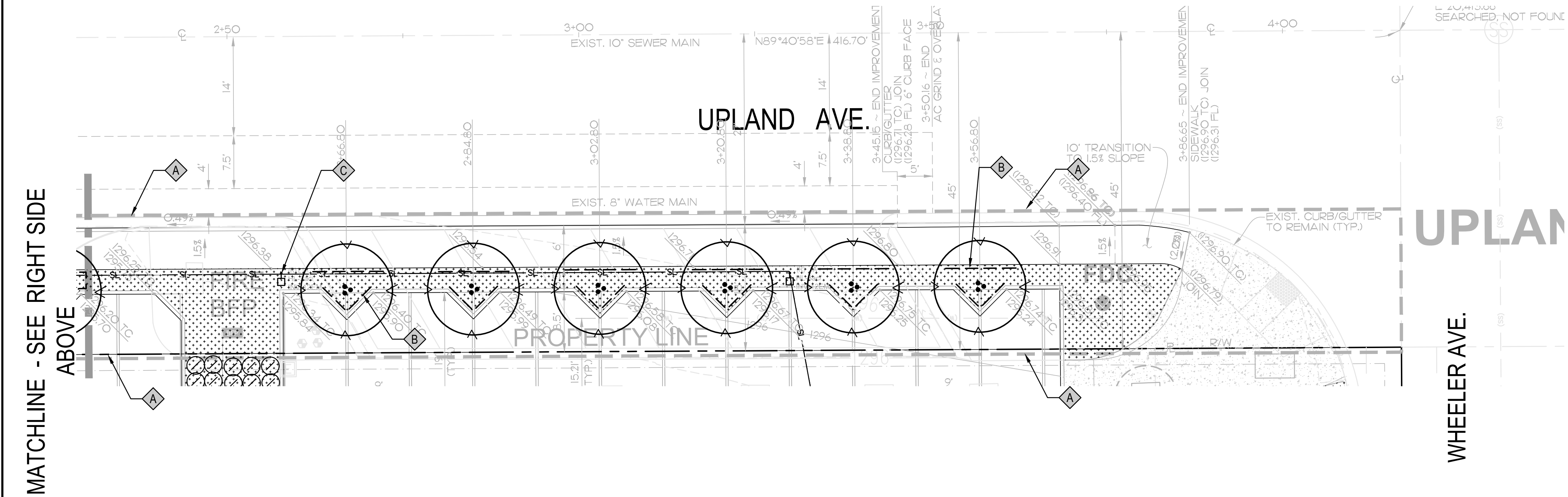
LANDSCAPE PLAN CHECK NUMBER: PLSPC25-0043 L105

<b>BASIS OF BEARINGS</b> THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS N00°17'04"W ON RECORD OF SURVEY NO. 99-0136, FILED IN BOOK 113, PAGE 65, IS THE BASIS OF BEARINGS FOR THIS SURVEY.	<b>BENCH MARK</b> CITY OF FONTANA BENCHMARK # 156 TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE ELEVATION: 1297.54	<b>DIG ALERT</b> DIAL BEFORE YOU DIG TWO WORKING DAYS BEFORE YOU DIG TOLL FREE 1-800-227-2600 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT	REV.	REVISION DESCRIPTION	DATE	ENGR.	QTY	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 : <b>NLA NERI LANDSCAPE ARCHITECTURE</b> 928 HORNBLAND STREET, SUITE # 3 SAN DIEGO, CA 92109 TEL 858-274-3322 · FAX 858-274-3323 WWW.NERILA.COM Date : 12/15/25 JAMES P. NERI R.L.A. 3321 EXP. 06-30-27	<b>CITY OF FONTANA, CALIFORNIA</b> <b>STREET IMPROVEMENT PLAN</b> DRAWN BY: OH DESIGNED BY: JN CHECKED BY: JN LANDSCAPE IRRIGATION WATER USE CALCULATION APPROVED BY: <i>Gia Lam Kim</i> CITY ENGINEER DATE: 12/22/25 R.C.E. 62296 SCALE: AS SHOWN DATE: 12/15/25 DRAWING NO.: 15/20 6569
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1 Landscape Planting Plan  
Scale: 1" = 10'-0"



2 Landscape Planting Plan  
Scale: 1" = 10'-0"



#### KEY NOTES

- A LIMIT OF WORK
- B INSTALL 2' DEEP x 10' LONG ROOT BARRIER WHERE NEW TREE TRUNKS COME WITHIN 5' OF HARDSCAPE, ( TYP. SYMBOL).
- C LIGHT STANDARD - SEE ELECTRICAL DRAWINGS

#### PLANT SCHEDULE RIGHT OF WAY

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	WUCOLS	QTY	DETAIL	REMARKS	TREE MIN. CALIPER SIZE
TREES								
	CERCIS OCCIDENTALIS	WESTERN REDBUD	36"BOX	LOW	15	A/B/ L201	STANDARD, TRIPLE STAKED, MIN. PLANTING AREA: 3'X3'	2.5"

#### LEGEND

ORGANIC MULCH, 3" DEEP

NOTE: UNLESS OTHERWISE NOTED, LANDSCAPE PLANTING AREAS SHALL BE DEPRESSED 3" TO ACCEPT MULCH - SEE CIVIL DRAWINGS

NOTE: QUANTITIES SHOWN ON SCHEDULE REPRESENT TOTALS FOR RIGHT-OF-WAY PLANTING AREAS ONLY

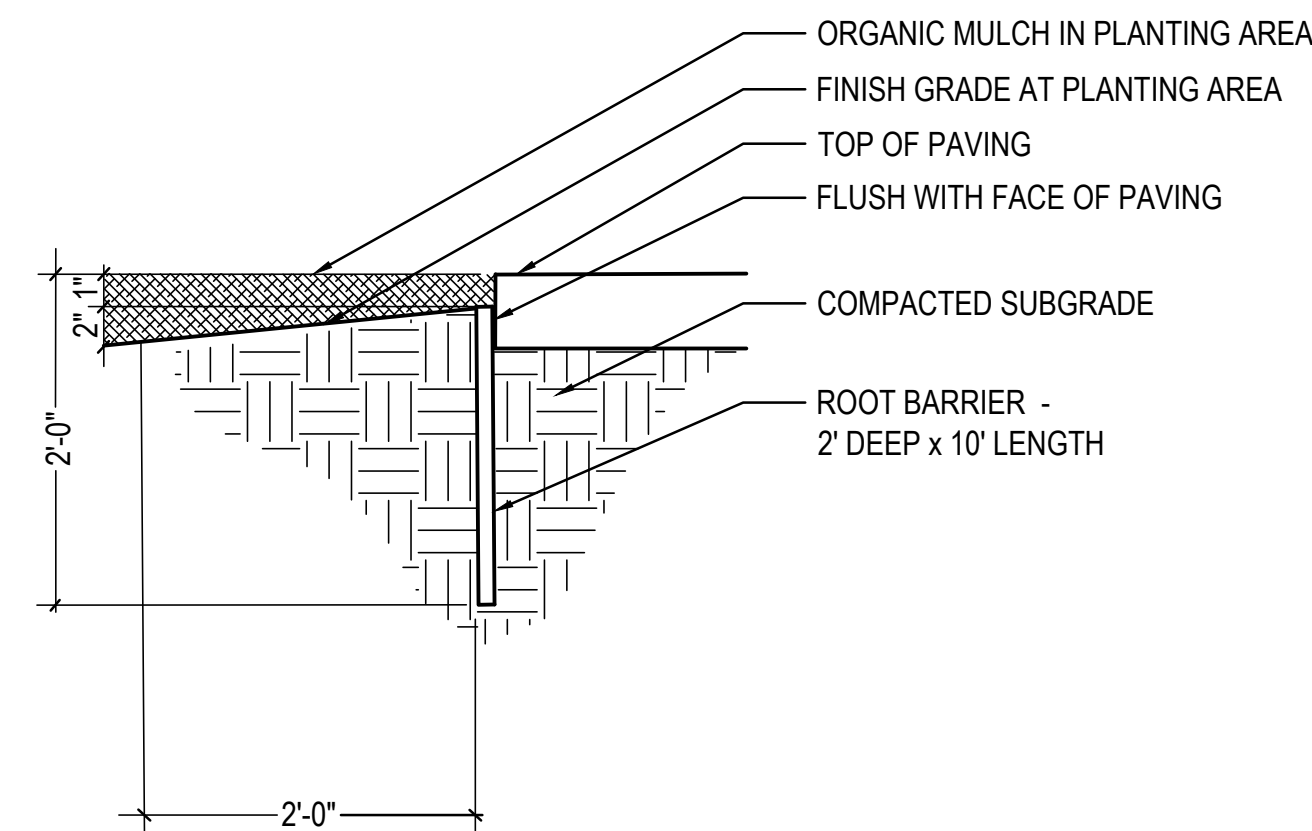
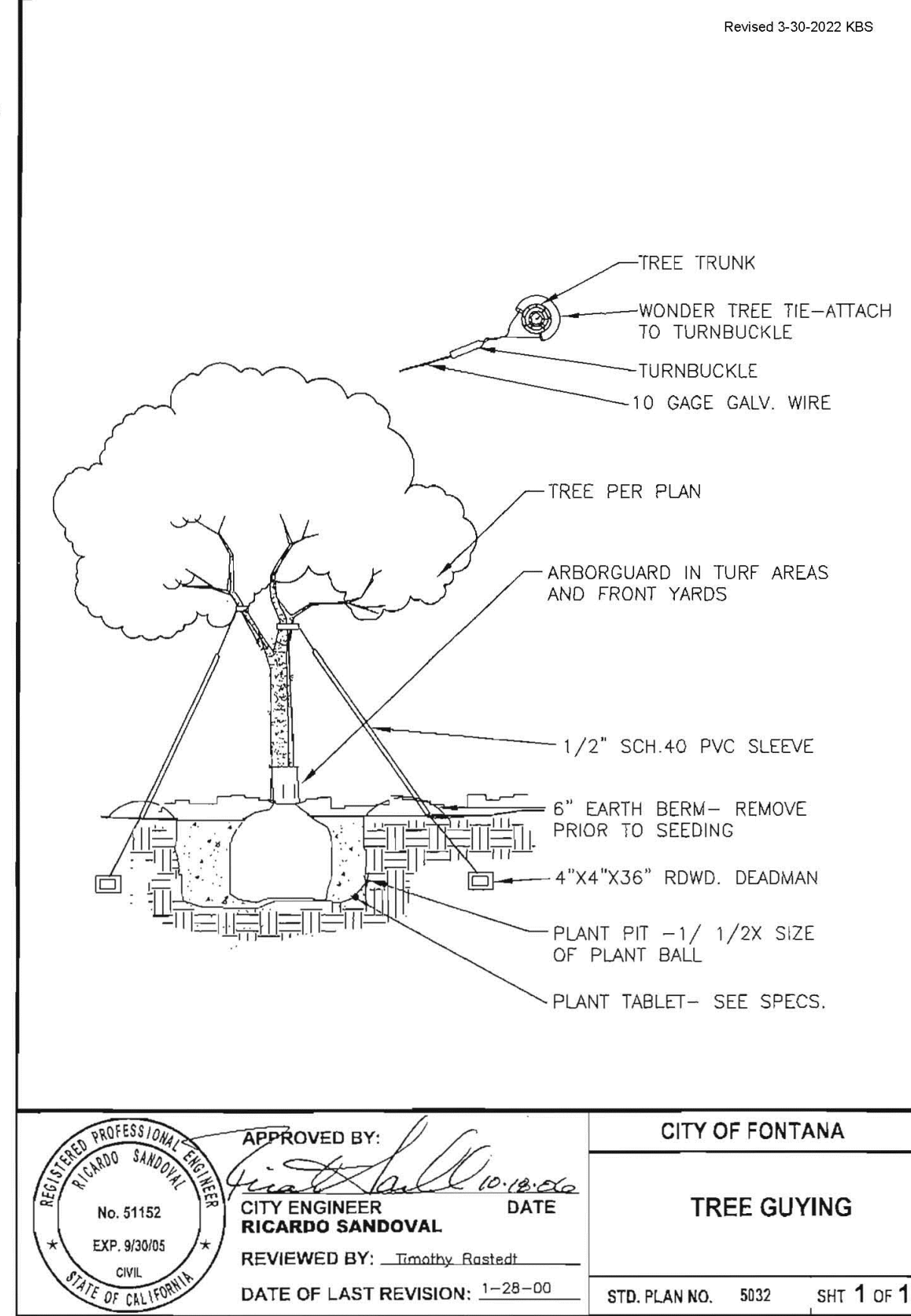
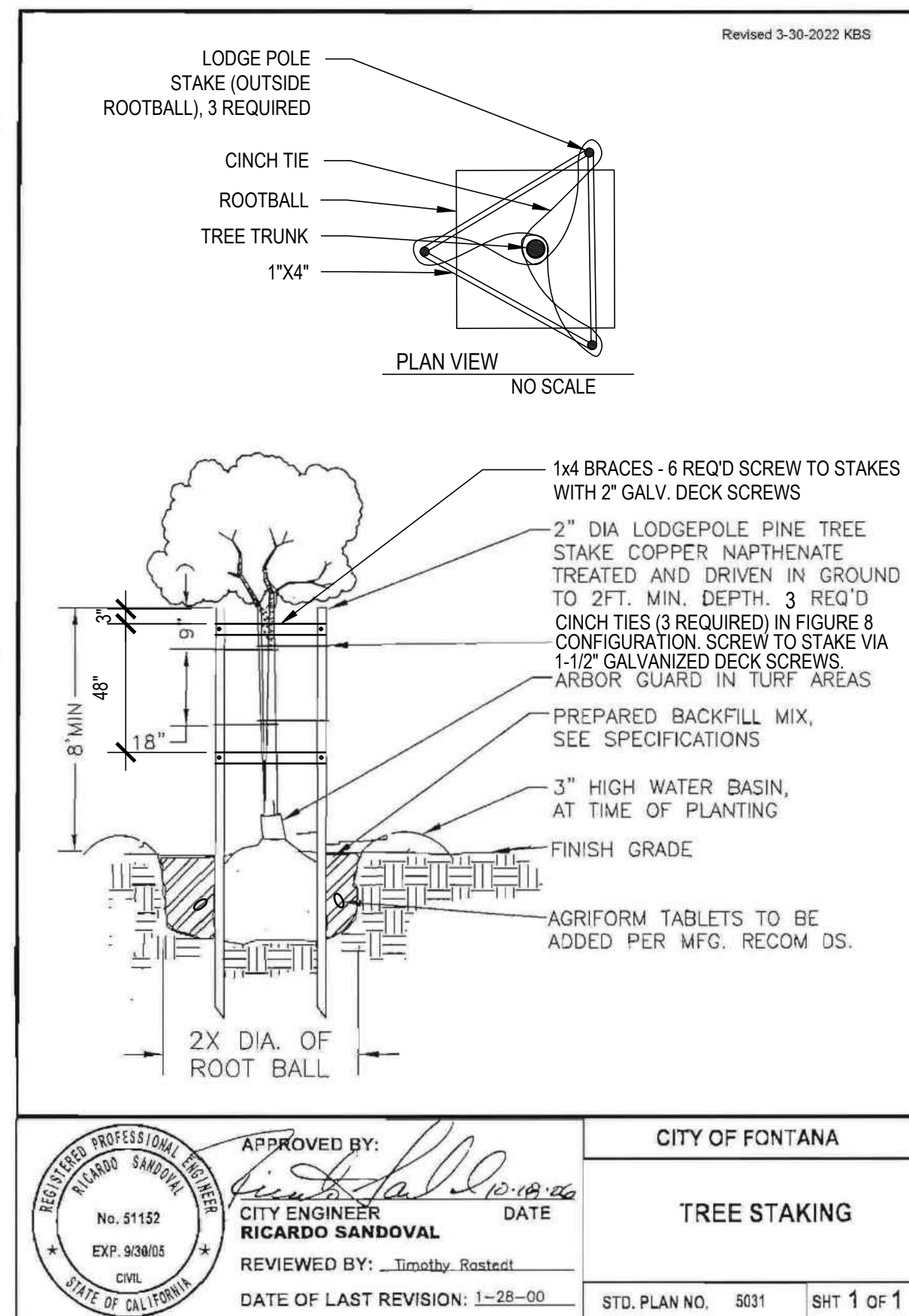
#### SOIL MANAGEMENT

- AFTER ROUGH GRADING, CONTRACTOR TO TAKE SOIL SAMPLES FROM ENOUGH LOCATIONS ON THE SITE TO REPRESENT AN ADEQUATE CROSS SECTION OF CONDITIONS. SOIL TEST SHALL BE PERFORMED BY A LICENSED SOIL TESTING LABORATORY. THE TEST SHALL INDICATE BUT NOT LIMITED TO THE FOLLOWING:
  - A. SOIL TEXTURE (SILT, CLAY, SAND)
  - B. INFILTRATION RATE
  - C. pH
  - D. TOTAL SOLUBLE SALTS
  - E. PERCENT AND ORGANIC MATTER CONTENT
  - F. N, P, K
  - G. EC
  - H. RECOMMENDATIONS FOR AMENDMENTS, LEACHING, AND MAINTENANCE FERTILIZATIONS.
- RESULTS OF THE SOIL SAMPLE TESTING SHALL BE SENT TO THE LANDSCAPE ARCHITECT IN ORDER TO PREPARE A SOIL MANAGEMENT REPORT.
- THE CONTRACTOR SHALL AMEND THE SOIL IN THE LANDSCAPE AREAS PER THE RECOMMENDATIONS STATED IN THE SOIL MANAGEMENT REPORT
- THE FOLLOWING IS FOR BIDDING PURPOSES ONLY. ONCE THE SOIL SAMPLES HAVE BEEN ANALYZED THE CONTRACTOR SHALL AMEND THE SOIL PER THE SOIL MANAGEMENT REPORT
  - AFTER PLANTING AREAS HAVE BEEN GRADED, RIP SOIL TO A DEPTH OF 12" DEEP.
  - THE FOLLOWING RATES OF SOIL CONDITIONING AND AMENDMENT MATERIALS SHALL BE EVENLY SPREAD OVER ALL PLANTING AREAS LESS THAN 2:1 IN SLOPE AND SHALL BE THOROUGHLY SCARIFIED TO AN AVERAGE DEPTH OF SIX (6) INCHES. SCARIFY BY ROTOTILLING A MINIMUM OF TWO (2) ALTERNATING PASSES, FOLLOWED BY SIX (6) INCHES OF WATER LEACHING PERFORMED IN THREE (3) APPLICATIONS OF TWO (2) INCHES EACH.
    - SOIL SULFUR: 30 LBS./1,000 SQ. FT.
    - SOIL CONDITIONER: 3 CU. YD./1,000 SQ. FT.
    - WETTING AGENT: 1 QUART/1,000 SQ. FT.
    - GYPSUM: 50 LBS./1,000 SQ. FT.
    - SOIL ACTIVATOR: 100 LBS./1000 SQ. FT.
    - SOIL INOCULANT: 20 LBS./1000 SQ. FT.

LANDSCAPE PLAN CHECK NUMBER: PLSPC25-0043 L200

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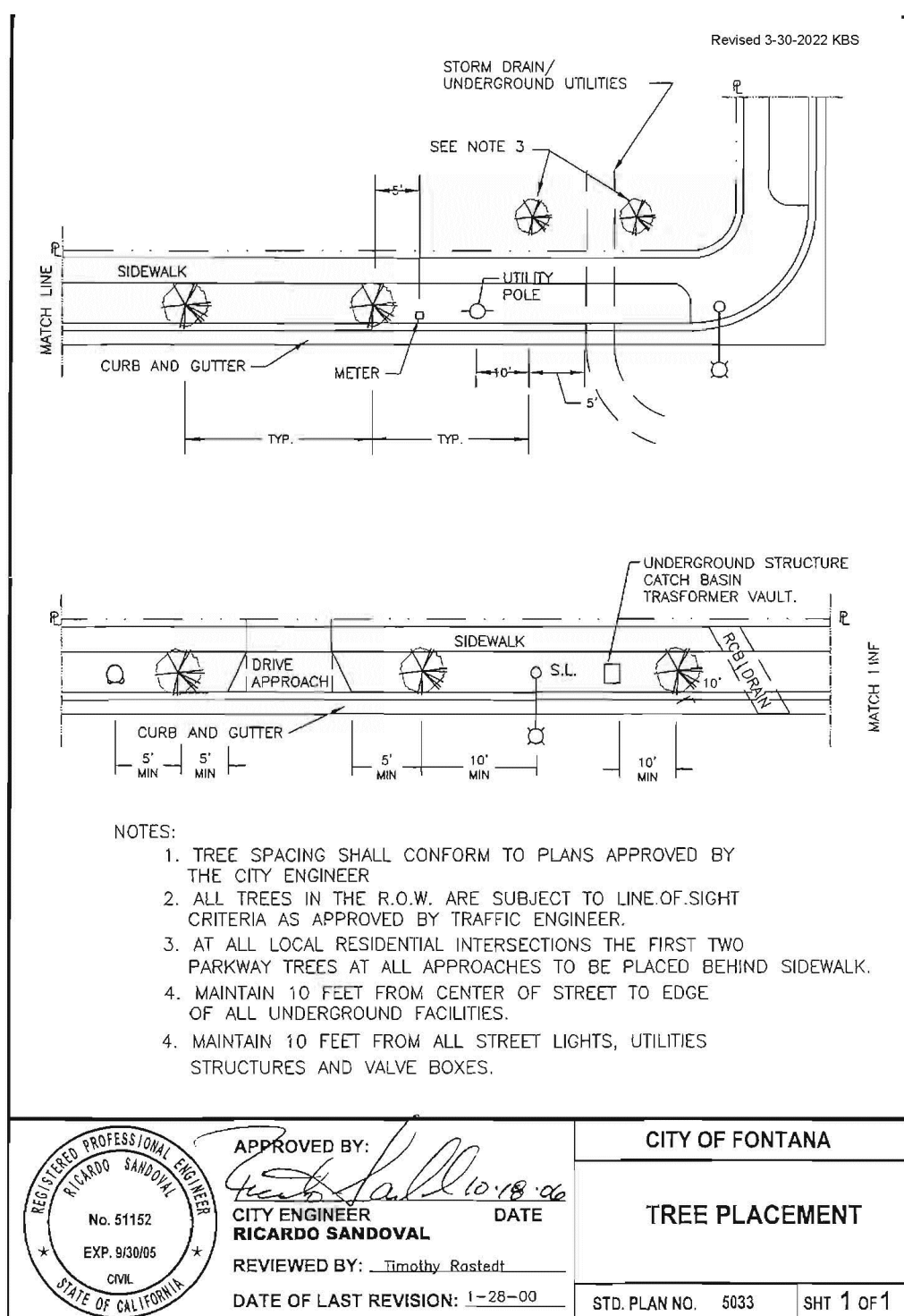
## GENERAL NOTES

1. PROVIDE POSITIVE SURFACE DRAINAGE (2% GRADE IN PLANTING AREAS) AWAY FROM STRUCTURES AND TERMINATING IN AN APPROVED DRAINAGE SYSTEM.
2. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING LANDSCAPE WORK TO REVIEW THE FINAL PROJECT UTILITY LOCATIONS AND ADJUST PLANTING TO FULLY SCREEN ALL UTILITIES FROM VIEW.
3. THE CONTRACTOR SHALL RECONCILE THE CALLOUT QUANTITIES WITH THE GRAPHIC QUANTITIES AND SHALL PROVIDE PLANTS EQUAL TO THE GRAPHIC QUANTITIES SHOWN ON THE PLANS.
4. ALL PLANT MATERIAL IS TO BE SUPPLIED AND INSTALLED BY THE LANDSCAPE CONTRACTOR.
5. THE LANDSCAPE ARCHITECT SHALL RETAIN THE OPTION TO TAG BOXED TREE MATERIAL AT A WHOLESALE NURSERY OF THEIR CHOICE AFTER THE BID HAS BEEN AWARDED.
6. PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL OR REJECTION BY THE LANDSCAPE ARCHITECT UPON DELIVERY TO THE SITE.
7. PLANT MATERIAL LOCATIONS ON THE PLANTING PLAN ARE APPROXIMATE AND SHALL BE ADJUSTED AS DIRECTED BY THE LANDSCAPE ARCHITECT.
8. ALL GROUNDCOVER PLANTS SHALL BE FULLY ROOTED PLANT MATERIAL IN FLATS, PLUGS OR POTS.
10. BUDS AND BLOOMS ON ALL PLANTS MUST BE PROTECTED AT ALL TIMES, INCLUDING TRANSPORTATION AND INSTALLATION.
11. STAKE AND/OR GUY ALL TREES AS DIRECTED IN THE LEGEND AND PER THE PLANTING DETAILS.
12. TREES AND SHRUBS SHALL BE SHAPED AND PRUNED DURING THE MAINTENANCE PERIOD ONLY AS DIRECTED BY THE LANDSCAPE ARCHITECT.
13. THE CONTRACTOR SHALL GUARANTEE SHRUBS, GROUNDCOVERS AND PERENNIALS FOR A PERIOD OF THREE MONTHS AND TREES FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
14. ALL PLANTING BACKFILL IN PLANTING AREAS SHALL BE AMENDED WITH A THOROUGHLY BLENDED MIXTURE OF SOIL AND SOIL ACTIVATOR 'GRO-POWER PLUS (WITH MYCORRHIZAE)' AT A RATE OF 15LBS PER CU. YD.
15. THE CONTRACTOR SHALL MAINTAIN THE INSTALLED LANDSCAPE FOR A PERIOD OF 90 DAYS BEGINNING ON THE DATE OF FINAL ACCEPTANCE.
16. AT THE END OF THE 90 DAY MAINTENANCE AND PLANT ESTABLISHMENT PERIOD ALL PLANTING AREAS SHALL BE TREATED WITH POST PLANTING FERTILIZER 'GRO-POWER CONTROLLED RELEASE 12-8-8' AT A RATE OF 15LBS PER 1,000 SQ. FT.
17. ALL LANDSCAPE AND IRRIGATION SHALL CONFORM TO THE STANDARDS OF THE CITY OF FONTANA LANDSCAPE REGULATIONS AND ALL OTHER LANDSCAPE RELATED COUNTY AND REGIONAL STANDARDS.
18. MULCH: ALL REQUIRED PLANTING AREAS AND ALL EXPOSED SOIL AREAS WITHOUT VEGETATION SHALL BE COVERED WITH MULCH TO A MINIMUM DEPTH OF 3 INCHES, EXCLUDING SLOPES REQUIRING REVEGETATION.
19. TREE ROOT BARRIERS SHALL BE INSTALLED WHERE TREES ARE PLACED WITHIN 5 FEET OF PUBLIC IMPROVEMENTS INCLUDING WALKS, CURBS, OR STREET PAVEMENTS OR WHERE NEW PUBLIC IMPROVEMENTS ARE PLACED ADJACENT TO EXISTING TREES. THE ROOT BARRIER WILL NOT WRAP AROUND THE ROOT BALL.

### FERTILIZER TABLET SCHEDULE

GRO-POWER 12-8-8 TABS OR APPROVED EQUAL

- (4) 7 GRAM TABLETS PER 6" BOX SIZE
- (4) 7 GRAM TABLETS PER FOOT OF PALM TRUNK
- (15) 7 GRAM TABLETS PER 15 GALLON CONTAINER
- (8) 7 GRAM TABLETS PER 5 GALLON CONTAINER
- (3) 7 GRAM TABLETS PER 1 GALLON CONTAINER
- (1) 7 GRAM TABLETS PER 6" POT, PONY PAK, LINER OR GROUND COVER PLANT



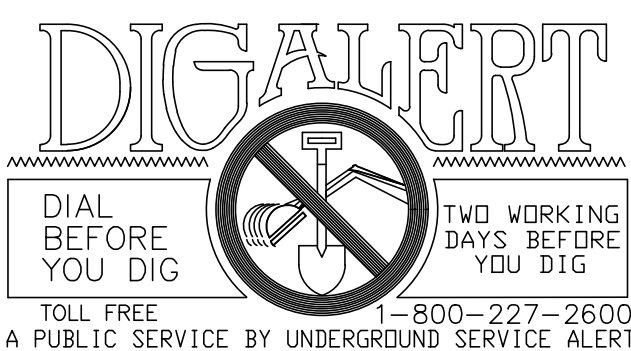
## D TREE PLACEMENT SECTION

## BASIS OF BEARINGS

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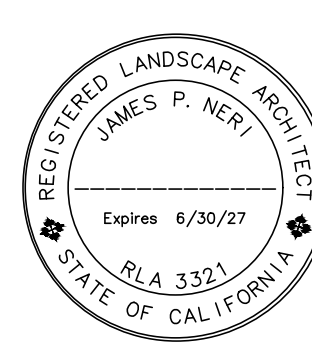
## BENCH MARK

CITY OF FONTANA BENCHMARK # 156  
TOP SCREW IN THE NORTHWEST CORNER OF  
UPLAND WEST & MANGO AVENUE  
ELEVATION: 1297.54



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 :



## LANDSCAPE PLAN CHECK NUMBER: PLSPC25-0043 L201

CITY OF FONTANA, CALIFORNIA  
STREET IMPROVEMENT PLAN

DRAWN BY: OH		LANDSCAPE PLANTING DETAILS & NOTES		SCALE: AS SHOWN	
DESIGNED BY: JN				DATE: 12/15/25	
CHECKED BY: JN				DRAWING NO: 17/20	
		APPROVED BY: 	DATE: 12/22/25		
		GIA I AM KIM	CITY ENGINEER	B.C.E. 62296	





1. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND ELEVATION OF ALL LIGHTING FIXTURES AND ALL DEVICES. ALL WALL-MOUNTED DEVICE HEIGHTS SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ROUGH-IN. VERIFY EXIST CEILING CONSTRUCTION WITH ARCHITECTURAL REFLECTED CEILING PLAN AND SPECS. PROVIDE LIGHTING FIXTURES WITH ALL NECESSARY MOUNTING HARDWARE.
2. ALL RECESSED FIXTURES SHALL BE PROVIDED WITH ALL STRUCTURAL SUPPORTS AS REQUIRED BY THE IBC, OR CBC WHERE ADOPTED, IN ADDITION TO ANY LOCAL CODES.
3. ALL LINE VOLTAGE DIMMING BRANCH CIRCUITS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH ZONE/CHANNEL.
4. ALL LINE VOLTAGE DIMMING BRANCH CIRCUITS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH ZONE/CHANNEL.
5. RECESSED FIXTURES LOCATED IN A FIRE-RATED CEILING OR WALL SHALL BE PROVIDED WITH A 5-SIDED, RATED ENCLOSURE SO CONSTRUCTED AS TO ALLOW CODE AND MANUFACTURER-REQUIRED CLEARANCES BETWEEN THE FIXTURE AND THE ENCLOSURE.  
REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXIT SIGN CHEVRONS AND NUMBER OF FACES PER SIGN. ANY DISCREPANCY BETWEEN EXIT SIGNS SHOWN ON THE ELECTRICAL AND ARCHITECTURAL PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO ORDERING EXIT SIGNS.
6. WHEN EXPOSED CEILINGS OR OPEN GRID CONDITIONS OCCUR, THE CONTRACTOR WILL NEED TO PROVIDE THE FOLLOWING ITEMS:
  - a. ALL BRANCH CIRCUITS SHALL BE EMT.
  - b. ALL BRANCH CIRCUITS SHALL BE ROUTED ORTHOGONALLY, NEATLY TRAINED, IN PARALLEL TO STRUCTURES OR DUCTWORK. THE TERM "TRAINED" MEANS ALL PARALLEL CONDUITS SHALL MAINTAIN THE SAME SPATIAL RELATIONSHIP WITH EACH OTHER FOR ENTIRE RUN TO INCLUDE RADIUS BENDS AND SWEEPS.
  - c. VISUALLY OBJECTABLE BRANCH CIRCUITS WILL BE REROUTED AT THE REQUEST OF THE ARCHITECT AT NO ADDITIONAL COST.
7. ALL LED REMOTE INDICATORS FOR DUCT DETECTORS AND FIRE/SMOKE DAMPERS REQUIRED BY THE LOCAL AHJ SHALL BE LOCATED IN CEILINGS IN COORDINATION WITH ARCHITECT PRIOR TO ANY ROUGH-IN. PROVIDE ADDITIONAL J-BOX NEAR PANEL FOR MULTIPLE HOMERUN CIRCUITRY.
8. UNLESS SPECIFICALLY SHOWN AS (E), (R), (ER), (D), EXISTING OR NON-BOLD, ALL ELECTRICAL DEVICES SHOWN SHALL BE NEW.
9. REFER TO GENERAL POWER PLAN NOTES AND COMMUNICATIONS PATHWAYS GENERAL NOTE FOR ADDITIONAL REQUIREMENTS WHEN POWER AND/OR DATA DEVICES ARE SHOWN ON THIS PLAN.
10. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED FROM THE SPREAD OF FIRE WITH AN APPROVED FIRESTOP SYSTEM EQUAL OR GREATER THAN THE FIRE RATING OF THE WALL.
11. ALL PENETRATIONS THROUGH FIRE RATED CEILING SHALL BE PROTECTED FROM THE SPREAD OF FIRE WITH AN APPROVED FIRESTOP SYSTEM EQUAL OR GREATER THAN THE FIRE RATING OF THE CEILING.
12. PROVIDE A SEPARATE INSULATED EQUIPMENT GROUNDING CONDUCTOR PER NEC, OR GEC WHERE APPLICABLE. **ART.**

517.13

1. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS ETC., AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. ALL DRAWINGS AND SPECIFICATIONS DO NOT ALLOW THE NECESSARY ELEMENTS FOR CONSTRUCTION TO BE OBTAINED.
2. CALL UNDERGROUND SERVICE ALERT (USA) AT 1 (800) 422-4133 OR APPLICABLE STATE AND LOCAL DIG SAFE OR UNDERGROUND ALERT HOTLINES PRIOR TO CONSTRUCTION START.
3. MINIMUM CONDUIT SIZE SHALL BE 3/4" U.O.N.
4. MINIMUM CONDUCTOR SIZE SHALL BE #10 AWG. -U.O.N.
5. ALL SITE BRANCH CIRCUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR THAT, AT MINIMUM, MATCHES THE SIZE OF THE ASSOCIATED BRANCH CIRCUIT CONDUCTOR WHERE MULTIPLE BRANCH CIRCUITS ARE ROUTED/GROUPED TOGETHER. THE EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH THE SIZE OF THE LARGEST BRANCH CIRCUIT CONDUCTOR IN THE GROUP.
6. ALL ELECTRICAL EQUIPMENT MOUNTED OUTDOORS SHALL BE WEATHERPROOF (NEMA #3R).
7. ALL CONDUIT ONLY SHALL BE PROVIDED WITH A NYLON PULL STRING.

**SITE PLAN GENERAL NOTES:**

1. SEE ARCHITECTURAL/LANDSCAPE ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF FIXTURES, PULLBOXES, MANHOLES, OTHER ELECTRICAL DEVICES, ETC. COORDINATE ALL UNDERGROUND STRUCTURES AND CONDUIT ROUTING WITH LANDSCAPE ARCHITECT PRIOR TO ROUGH-IN TO ENSURE THAT SUCH ITEMS ARE NOT PLACED IN CRITICAL LANDSCAPE PLANT OR HARDSCAPE AREAS.
2. UNLESS SPECIFICALLY SHOWN AS (E), (R), (ER), (D), EXISTING OR NON-BUILDING, ALL ELECTRICAL DEVICES SHOWN ARE NEW.

1. EMERGENCY LIGHTING SYSTEMS SHALL BE DESIGNED AND INSTALLED SO THAT THE FAILURE OF ANY INDIVIDUAL LIGHTING ELEMENT, SUCH AS THE BURNING OUT OF A LIGHT BULB, CANNOT LEAVE IN TOTAL DARKNESS ANY SPACE THAT REQUIRES ILLUMINATION. MEANS OF EGRESS ILLUMINATION (INCLUDING EXIT DISCHARGE AREAS) SHALL CONFORM TO THE CBC SECTION 1008 AND CBC 700.16.
2. IN ADDITION TO THE CODE REQUIRED MEANS OF EGRESS ILLUMINATION EACH ROOM EXCEPT SMALL STORAGE ROOMS AND JANITOR CLOSETS SHALL BE PROVIDED WITH AT LEAST ONE EMERGENCY ILLUMINATED FIXTURE.
3. CORRIDOR EGRESS ILLUMINATION SHALL BE UN-SWITCHED 24/7. A TIMER WILL AUTOMATICALLY TURN OFF ALL CORRIDOR LIGHTS EXCEPT EGRESS LIGHTING DURING THE NIGHT SHIFT. THE STATE REQUIRES CBC 1008.3 BE PROVIDED IN ALL CODES. HOWEVER, REGARDLESS IF IT IS NOT CONSIDERED THE MEANS OF EGRESS.
4. EXIST SIGNS SHALL CONFORM TO CBC SECTION 1013. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES AND SHALL NOT USE POLE SWITCHES FOR POWER SOURCES.
5. A COMPLETELY INDEPENDENT RACEWAY AND WIRING SYSTEM SHALL BE INSTALLED FOR EMERGENCY CIRCUITS PER CBC 700.9.
6. ALL OTHER ELECTRICAL LOADS INCLUDING LIGHTING, NOT INCLUDED IN EMERGENCY EGRESS ILLUMINATION, LOADS LISTED FOR EXCLUSION IN EMERGENCY PER CBC 700.9.1 SHALL BE CONNECTED TO TWO SOURCES OF POWER, GENERATOR POWER AND NORMAL POWER VIA A NON-EMERGENCY TRANSFER SWITCH.

3.010 ROUTE EXTERIOR LIGHTS THROUGH TITLE-24 COMPLIANT ASTRONOMICAL TIME CLOCK, DIMMING PANEL, AND PHOTOCCELL AS REQUIRED. PROVIDE DUSK TO DAWN ON/OFF CONTROL, THE CONTRACTOR SHALL CONFIRM SCHEDULE WITH BUILDING OPERATIONS AND ADJUST AS REQUIRED.

**TYPICAL LEGEND FOR LIGHTING PLAN TEXT:**





FIXTURE TYPE  
PANEL-CIRCUIT, SWITCHLEG  
EMERGENCY CIRCUIT WHERE APPLICABLE

S1  
HL-1a/  
1EB

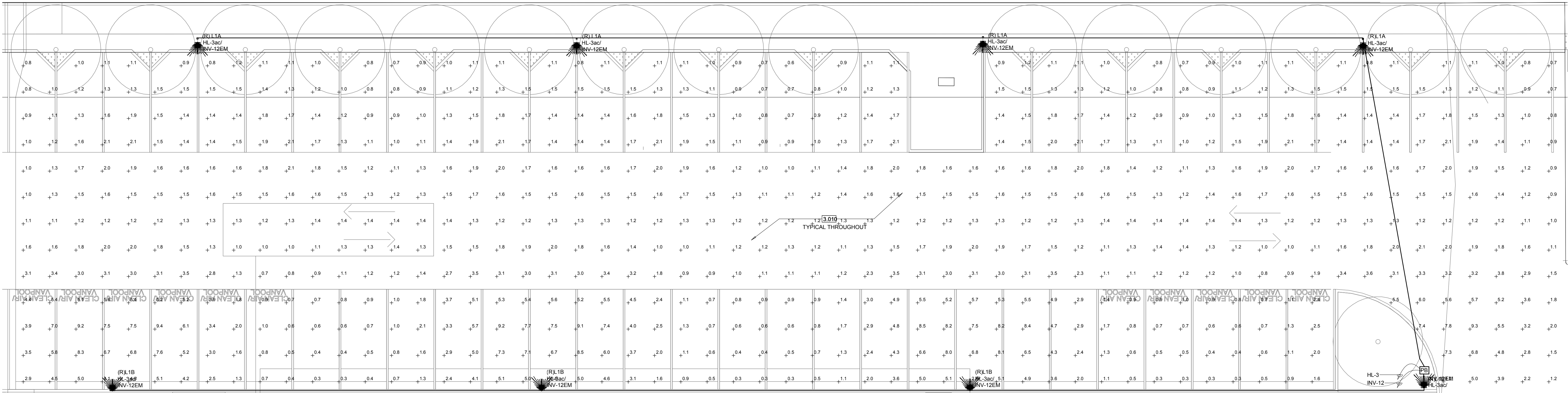
**EX:**

FIXTURE TYPE = S1  
PANEL-CIRCUIT, SWITCHLEG = HL-1a  
EMERGENCY CIRCUIT WHERE APPLICABLE = INV-1-2 OR 1EB

**LIGHTING FIXTURES CONNECTED TO AN EMERGENCY POWER SYSTEM (INVERTOR) SHALL AUTOMATICALLY ILLUMINATE THE MEANS OF EGRESS FOR A DURATION OF NOT LESS THAN 90 MIN.**

<b>BASIS OF BEARINGS</b> THE BEARING OF THE CENTERLINE OF SIERRA AVENUE, FROM SEVILLE AVENUE TO UPLAND AVENUE, SHOWN AS 90°17'04"W ON RECORD OF SURVEY NO. 013136, FILED IN BOOK 113, PAGE 65, IS THE BASIS OF BEARINGS FOR THIS SURVEY.			<b>BENCH MARK</b> CITY OF FONTANA BENCHMARK # 156 TOP SCREW IN THE NORTHWEST CORNER OF UPLAND WEST & MANGO AVENUE ELEVATION: 1297.54			 TOLL FREE 1-800-227-2600 A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT						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 :  WSP USA 888 South Figueroa Street, Suite 1800 Los Angeles, California 90071 213.607.8400 - wsp.com Project Leader - Ronald Dela Cruz Electrical Lead - Ronald Dela Cruz WSP Job #: US00302118799			<b>CITY OF FONTANA, CALIFORNIA</b> <b>STREET IMPROVEMENT PLAN</b>			DRAWN BY: RS DESIGNED BY: RS CHECKED BY: RS APPROVED BY:  GIA LAM KIM CITY ENGINEER R.C.E. 62296 NAME: RAYMOND W. SWARTZ EXP. 12/31/2025			SCALE: AS SHOWN DATE: 12/15/25 DRAWING NO.: 18 6569 20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Electrical Site Lighting Plan - Exterior	+	2.0 fc	9.4 fc	0.3 fc	31.3:1	6.7:1



