

GENERAL NOTES

1. All work shall be done in accordance with these plans, the City of rancho Cucamonga Standards and the Standard Specifications for Public Works Construction - current edition, including its annual supplements of amendments. Contractor shall be familiar with and shall be responsible for adherence to these Standards and Specifications.
2. All pipelines or substructures of any kind, telephone or power poles, water meters, valves, fire hydrants, etc., shown on or not shown on these plans within the right-of-way limits or in adjacent areas where improvement work is to be done shall be removed, replaced, relocated or protected in placed as required at no cost to the City of Rancho Cucamonga.
3. Any contractor performing work on this project shall familiarize himself with the site and shall be solely responsible for any damage to existing facilities resulting directly or indirectly from his operations, whether or not such facilities are shown on these plans.
4. A permit shall be obtained from the City of Rancho Cucamonga Engineering Services Department prior to any encroachment or construction within any City of Rancho Cucamonga easement or right-of-way.
5. All grade stakes shall be set by the Contractor or Engineer. Paving stakes shall be set at all hinge points, edge of pavement points within 0.01 foot of sub-grade elevation and at not more than 50 foot intervals. Additional paving stakes may be required by the City Engineer as needed at warped or vertical curve areas.
6. All sewer, water, electric, gas, phone or other utility laterals, mains, or crossings shall be constructed prior to paving.
7. Compaction tests of embankment construction, trench backfill, compacting original ground and all sub-grades shall be performed at no cost to the City of Rancho Cucamonga. A written report with these compaction tests shall be submitted to the City Engineer for approval prior to the placement of base materials and/or surfacing.
8. At the completion of paving, a materials report shall be submitted to the City Engineer. Listing all tests or determinations completed to verify stability oil content and gradation of asphalt paving.
9. Prior to installation of any paving, a materials report shall be submitted to the City Engineer. Listing all tests or determinations completed to verify R-Value, sieve analysis and sand equivalent of aggregate base.
10. Paving shall be performed in accordance with R-Value and Pavement tests taken to determine structural sections.

11. When improvements are to be placed on native soil, which consists of rocky material, the sub-grade shall be prepared by removing all rocks which protrude above the sub-grade and all voids or depressions shall be filled with a fine grade material or a quality better than the native material.
12. If the asphalt concrete is to be placed on sub-grade, a soils sterilant registered by the E.P.A. use under A.C. and P.C.C. shall be uniformly applied at the manufacturer's recommended rate for the full pavement width prior to paving.
13. Estimate of quantities is provided by the Engineer only for the convenience of the developer; the contractor shall make his own determination of construction quantities before submitting a bid. Any item of work required by these plans, which is not specifically listed in the estimate of quantities, shall be considered as included in the other items of work.
14. Street signs per City of rancho Cucamonga Standard Numbers 401A and 401B shall be constructed at each intersection.
15. City approval of plans does not relieve the developer from responsibility for the correction of error and omission discovered during construction. Upon request the required plan revisions shall be promptly submitted to the City Engineer for approval.
16. Work site and exterior streets shall be kept in a neat, clean, hazard free, orderly state, throughout construction. Site shall be cleaned upon request of the inspector.
17. contractor shall notify Underground Service Alert at 1(800) 422-4133 two (2) working days prior to the start of construction.
18. Contact all Utility Companies as required, 48 hours prior to excavation. Provided, for your convenience, are the following:
- A. Verizon: 1400 E. Phillips Blvd., Pomona, CA 91766 - (800) 483-3000
B. Southern California Gas Company: P.O. Box 3003, Redlands, CA 92373 - (909) 335-7583
C. Cucamonga Valley Water District: 10440 Ashford Street, Rancho Cucamonga, CA 91730 - (909) 987-2591
Eng. Dept. (909) 483-7440
D. Charter Communications Corp.: 4240 N. Hallmark Parkway, San Bernardino, CA 92407 - (888) 438-2427
E. Southern California Edison Company: 7951 Redwood Avenue, Fontana, CA 92336 - (909) 987-6585 (909) 880-0222

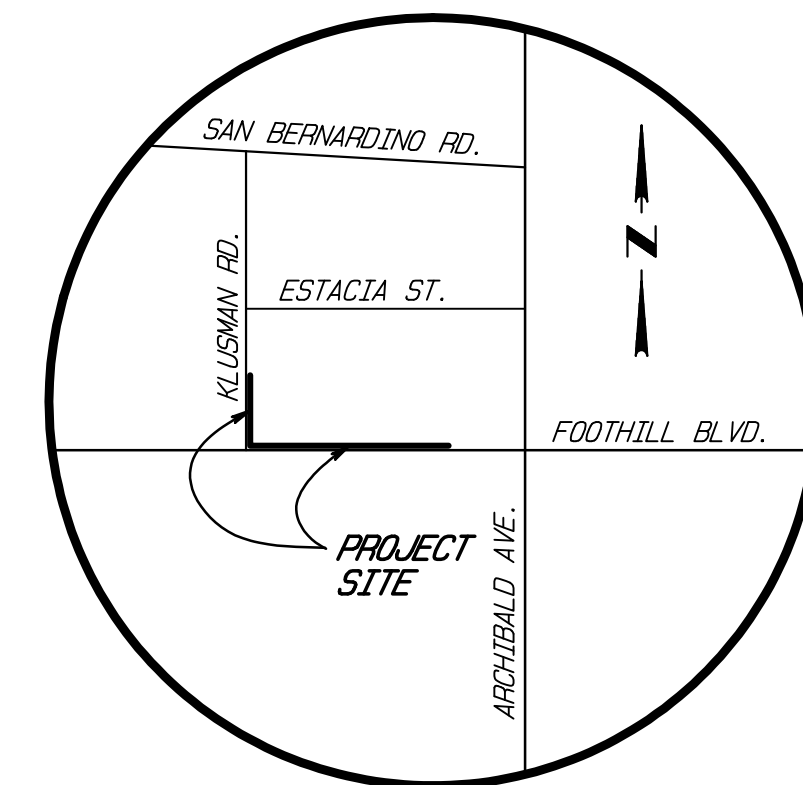
NOTES TO CONTRACTOR:

- CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL WORK IN THE PUBLIC RIGHT OF WAY PRIOR TO BEGINNING WORK.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- UTILITY LINES SHOWN ON THESE PLANS WERE LOCATED FROM THE PUBLIC RECORDS AND, WHEN POSSIBLE, FROM THE RESPECTIVE UTILITY'S OFFICE AND HAVE BEEN ASSUMED RELIABLE. HOWEVER, NEITHER THE CITY NOR THE ENGINEER ASSUMES ANY LIABILITY FOR THE DAMAGE OF UNDERGROUND UTILITIES DURING OR AFTER CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF EXCAVATION TO ARRANGE FOR FIELD LOCATION OF UTILITY LINES. CALL 1-800-422-4133 FOR THIS SERVICE, WHICH IS PROVIDED FREE OF CHARGE. ANY UTILITY NOT SUBSCRIBING TO THIS SERVICE SHALL BE CONTACTED DIRECTLY. IT SHALL BE CONTRACTOR'S DUTY TO DETERMINE WHETHER ALL UTILITIES HAVE BEEN NOTIFIED.
- CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT, 1-800-422-4133, 48 HOURS IN ADVANCE OF COMMENCEMENT OF CONSTRUCTION, FOR EXISTING UTILITY LOCATIONS.
- GIRON ENGINEERS EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REDUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF GIRON ENGINEERS. GIRON ENGINEERS SHALL BE HELD HARMLESS FROM THE UNAUTHORIZED USE OF THESE PLANS.
- MATERIAL QUANTITIES SHOWN HEREON ARE ESTIMATES TO BE USED FOR PERMITTING PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING PRECISE QUANTITIES.

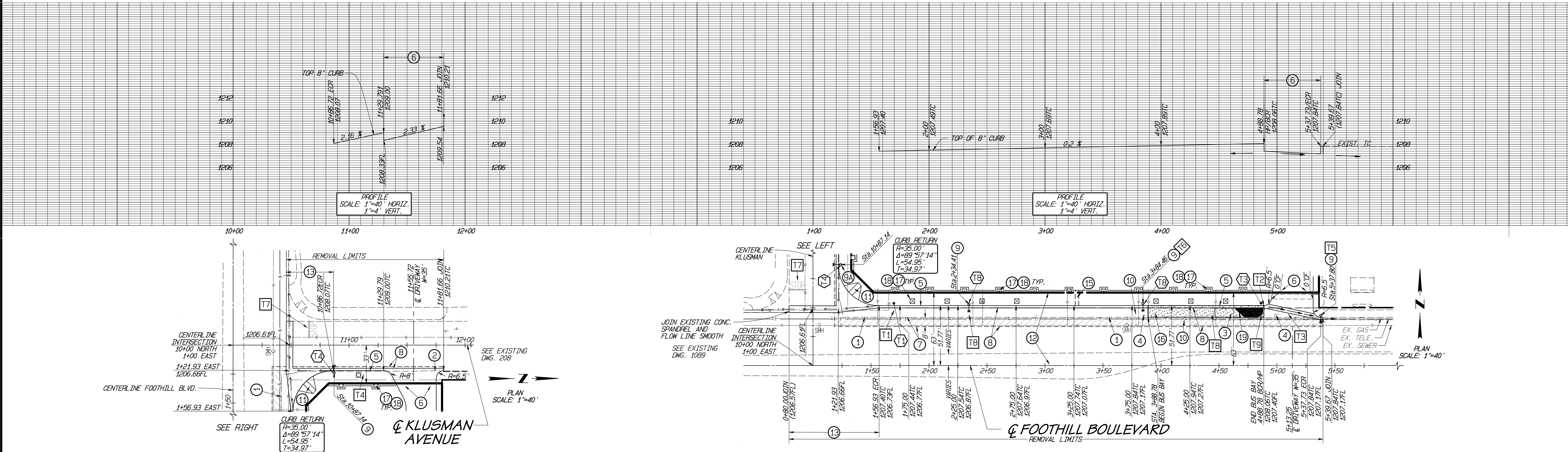
EXISTING SURVEY MONUMENTATION:

I hereby certify that I have identified all survey monuments of record that could be disturbed by this project. All said monuments which currently exist in the field are shown on these plans and are described as follows: None

Dated: _____ SAMUEL I. GIRON, R.C.E. 27886



VICINITY MAP
NTS



STREET CONSTRUCTION NOTES

	ESTIMATED QUANTITY
1 REMOVE EXISTING CONC. CURB AND GUTTER 383 L.F.	383 LF
2 REMOVE EXISTING 8 IN. A/C BERM 140 L.F.	140 LF
3 REMOVE EXISTING CONC. DRIVEWAY 1 EA.	1 EA.
4 RELOCATE/RESET EXISTING TRAFFIC SIGNAL BOX 1 EA.	1 EA.
5 CONSTRUCT TYPE A2-B CURB AND GUTTER PER STD. PLAN 104	377 LF
6 CONSTRUCT COMMERCIAL DRIVE APPROACH AND SIDEWALK PER CITY STD. PLAN 101, TYPE C, MODIFIED AS SHOWN ON PLAN	2 EA.
7 COLD PLANE EXISTING A/C PAVEMENT 0.10' AND CONSTRUCT VARIABLE THICKNESS OVERLAY	375 SY
8 CONSTRUCT NEW A/C PAVEMENT. A/C AND SUB-BASE SECTIONS SHALL BE 1 IN. GREATER THAN EXISTING THICKNESSES	445 SY
9 INSTALL STREET LIGHT 16,000 LUMEN HPSV PER MODEL 39C729 (3031) ELECTROLIER WITH 6" ... MAST ARM BY S.C.E.; PAID FOR AND COORDINATED BY DEVELOPER	3 EA.
9A INSTALL STREET LIGHT, 5800 LUMEN HPSV BY S.C.E.; PAID FOR AND COORDINATED BY DEVELOPER	1 EA.
10 RELOCATE/ABANDON EXISTING GAS VALVES AS DIRECTED BY GAS COMPANY	2 EA.
11 CONSTRUCT ACCESS RAMP PER CITY STD. PLAN 102, SINGLE RAMP RETURN 1 EA.	1 EA.
12 PROPOSED ROUTE 66 ACTIVITY CENTER HARDSCAPE AND PAVEMENT PER DETAILS ON SHEET 3	2945 SF
13 CONSTRUCT CROSS AND LONGITUDINAL GUTTER PER CITY STD. PLAN 106-A TO LIMITS SHOWN ON PLAN	730 SF

	ESTIMATED QUANTITY
14 ALL SIGNING AND STRIPING SHALL BE IN ACCORDANCE WITH CITY STD. PLAN 133	LS
15 CONSTRUCT CURBSIDE DRAIN OUTLET PER CITY STD. PLAN 107-B, MODIFIED TO OPEN CHANNEL TYPE INLET	1 EA.
16 REMOVE EXISTING PAVEMENT AND CONSTRUCT BUS BAY PER CONCRETE AND AGGREGATE BASE DETAILS - SECTION A-A OF CITY STD. PLAN 119. LENGTH = 100'; WIDTH = 10'	1 EA.
17 CONSTRUCT TREE WELL WITH GRATE, PER CITY STANDARDS. SEE DETAIL, SHEET 3.....	24 EA.
18 INSTALL STREET TREE PER STREET TREES LEGEND AND CONSTRUCTION NOTES, SHEET 1	24 EA.
19 CONSTRUCT TYPE D1-B A/C BERM & ISLAND (8' HIGH) PER CITY STD. PLAN 104 & DETAIL A, SHT. 2 ...	40 LF

STREET TREE LEGEND & CONSTRUCTION NOTES

STREET NAME	SYMBOL	BOTANICAL NAME	COMMON NAME	MIN. GROW SPACE	SPACING	SIZE	QUANTITY
FOOTHILL BLVD.	□	LAGERSTROEMIA INDICA 'MUSKOGEE'	CRAPE MYRTLE HYBRID, LAVENDER	2'	20' O.C.	24" BOX	21
KLUSMAN AVE.	□	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	8'	50' O.C.	15 GAL.	3

- A) All street trees are to be planted in accordance with city standard plans.
B) Prior to the commencement of any planting, an agronomic soils report shall be furnished to the City inspector. Any usual toxicities or nutrient deficiencies may require backfill soil amendments, as determined by the City inspector.
C) All street trees are subject to inspection and acceptance by the engineering Services Department.
D) Street trees are to be planted per public improvement plans only.

TRAFFIC CONSTRUCTION NOTES

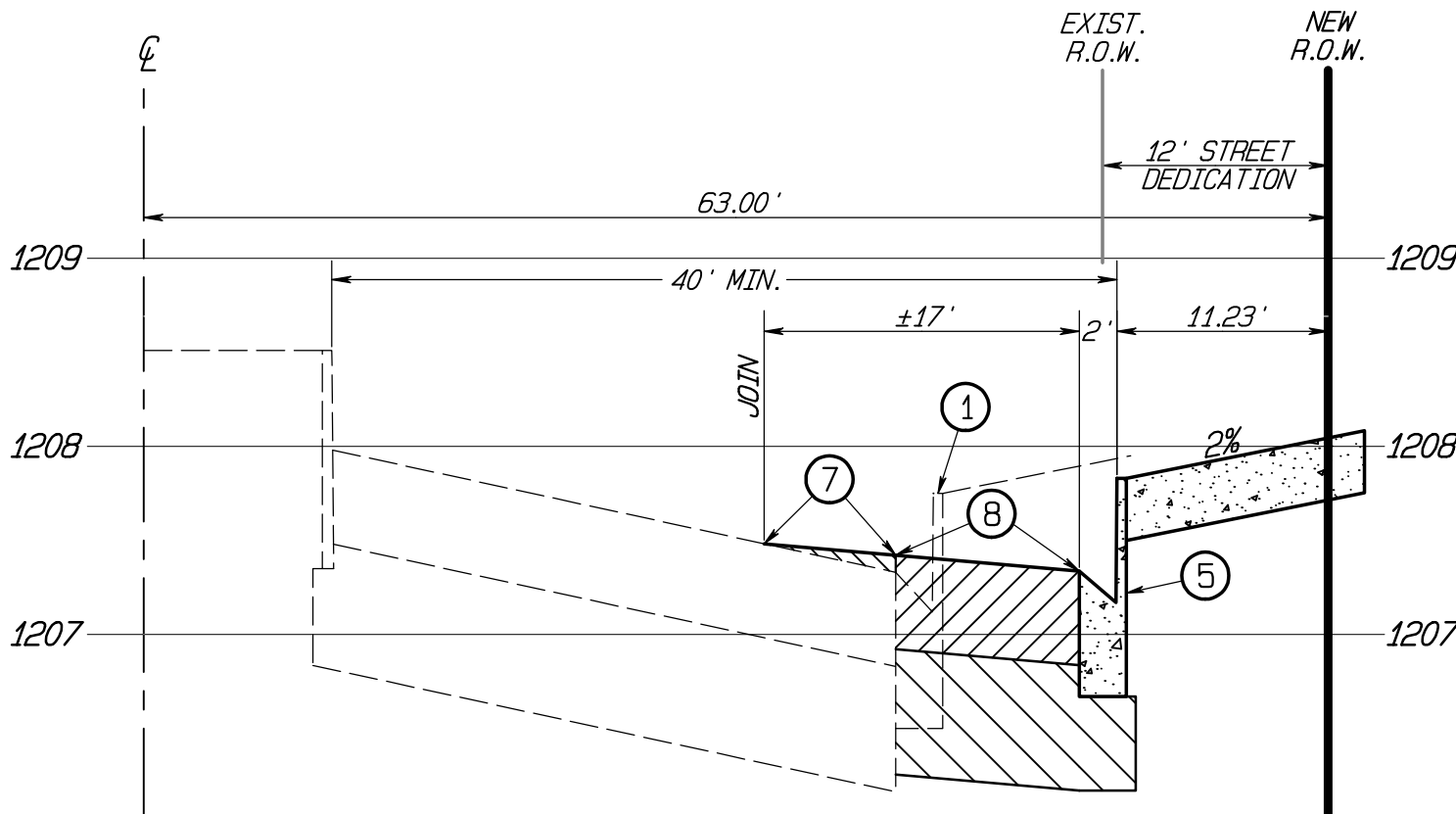
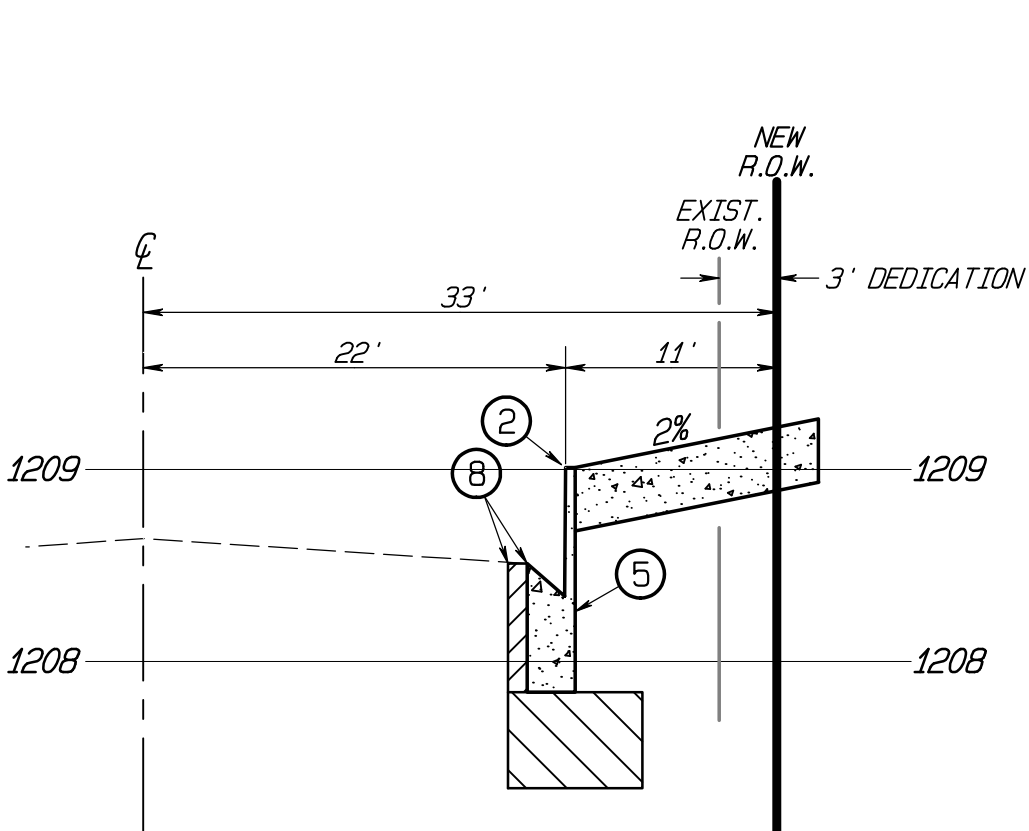
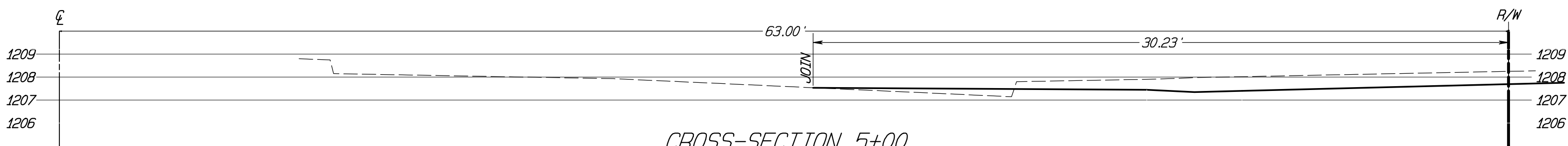
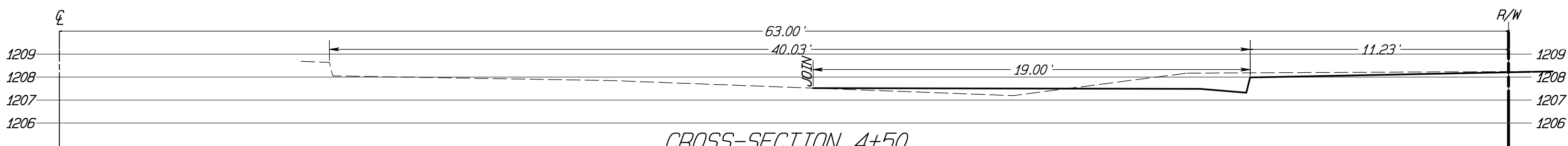
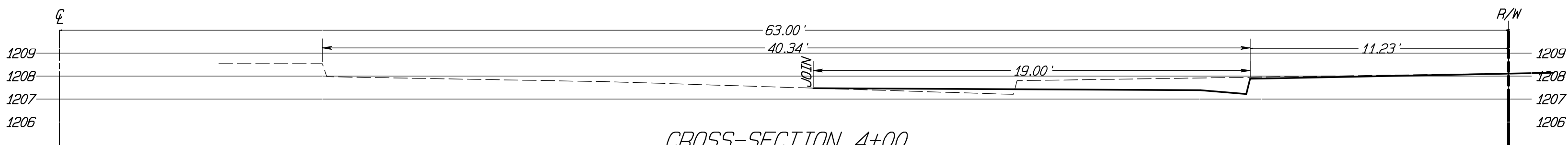
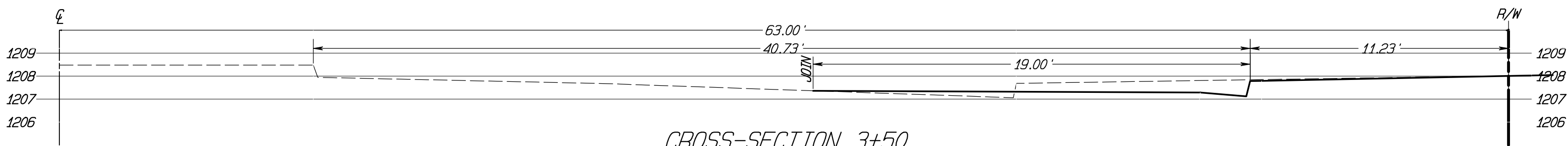
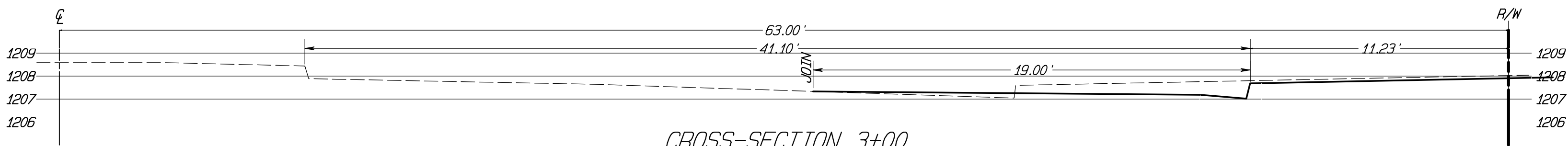
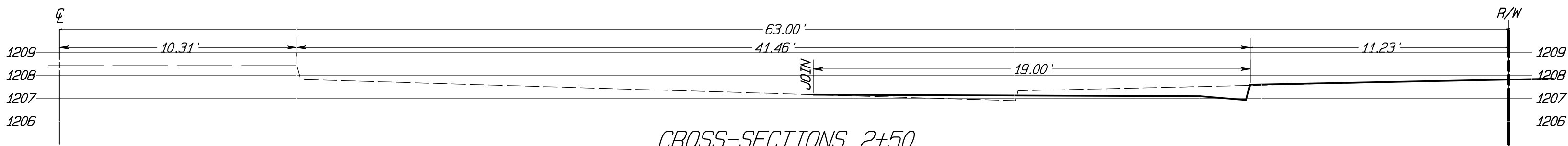
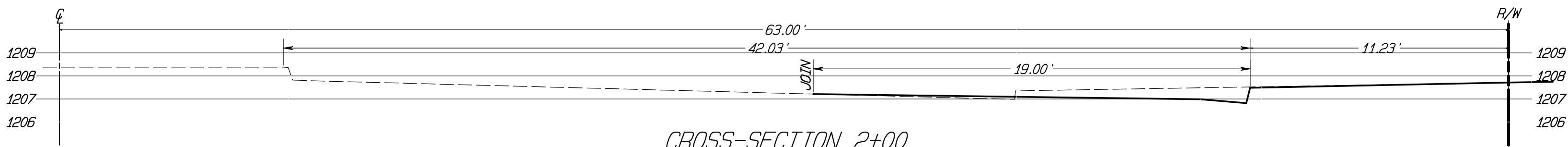
- T1 "NO STOPPING" SIGN TO BE RELOCATED PER NOTE, BELOW
T1A NEW LOCATION OF "NO STOPPING" SIGN, CITY OF RANCHO CUCAMONGA, TRAFFIC DIVISION SHALL APPROVE FINAL LOCATION.
- T2 W2-2 INTERSECTION WARNING SIGN TO BE REMOVED PER NOTE, BELOW
- T3 BUS STOP SIGN TO BE RELOCATED PER NOTE BELOW
T3A NEW LOCATION OF "BUS STOP" SIGN, CITY OF RANCHO CUCAMONGA, TRAFFIC DIVISION SHALL APPROVE FINAL LOCATION.
- T4 "3 TON" TRUCK SIGN TO BE RELOCATED PER NOTE BELOW
T4A NEW LOCATION OF "3 TON TRUCK" SIGN (ON PROPOSED STREET LIGHT.) CITY OF RANCHO CUCAMONGA, TRAFFIC DIVISION SHALL APPROVE FINAL LOCATION.
- T5 INSTALL R26(S) SIGN
- T6 ALIGN POLE WITH STREET LIGHT TO THE SOUTH
- T7 INSTALL LIMIT LINE AND STOP LEGEND, SANDBLAST CONFLICTING STRIPING
- T8 "NO STOPPING" SIGN TO BE RELOCATED PER NOTE BELOW
T8A NEW LOCATION OF "NO STOPPING" SIGN (ON PROPOSED STREET LIGHT.) CITY OF RANCHO CUCAMONGA, TRAFFIC DIVISION SHALL APPROVE FINAL LOCATION.
- T9 INSTALL 4" WHITE STRIPE EDGE LINE ALONG ASPHALT BERM PER CALTRANS STD.

PRELIMINARY DRAWING

#	DESCRIPTION OF REVISION	DATE	CITY APPV'L.
CITY OF RANCHO CUCAMONGA			
STREET IMPROVEMENT PLANS			
FOOTHILL BOULEVARD AND KLUSMAN AVENUE			
DRC 2008-000356			
ROW2014-_____			
APPROVED BY: CITY ENGINEER	DATE R.C.E. NO.: 53672		RECOMMENDED
DESIGN	DRAWN		CHECKED
GAVRIEL SFAEE 537 Ceres Ave. Los Angeles, CA 90013 PH: (213) 629-5969		SHEET 1 OF 3 DRAWING NO.	
GIRON ENGINEERS INC. 654 S. Glendora Avenue Glendora, CA 91740 (626) 335-8782 PH/FAX giron.engineers@verizon.net			
Samuel I. Giron RCE 27886 DATE FILE NO.			

CROSS-SECTIONS

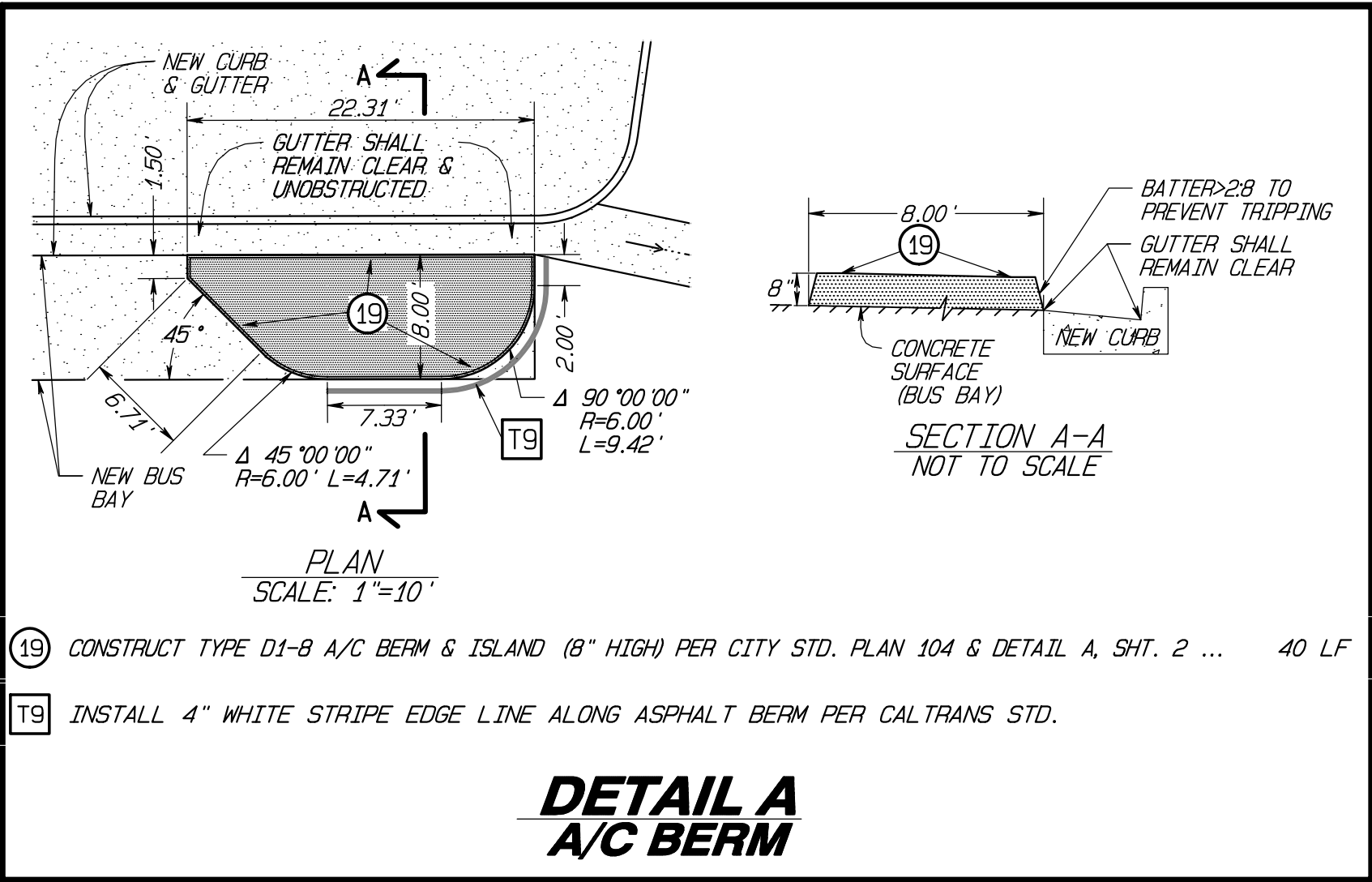
DRC 2008-000356



STREET CONSTRUCTION NOTES

ESTIMATED QUANTITY

- 1 REMOVE EXISTING CONC. CURB AND GUTTER 383 L.F. 383 LF
- 2 REMOVE EXISTING 8 IN. A/C BERM 140 L.F. 140 LF
- 5 CONSTRUCT TYPE A2-B CURB AND GUTTER PER STD. PLAN 104 377 LF
- 7 COLD PLANE EXISTING A/C PAVEMENT 0.10' AND CONSTRUCT VARIABLE THICKNESS OVERLAY 375 SY
- 8 CONSTRUCT NEW A/C PAVEMENT. A/C AND SUB-BASE SECTIONS SHALL BE 1 IN. GREATER THAN EXISTING THICKNESSES 445 SY

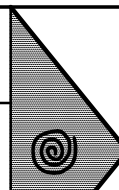


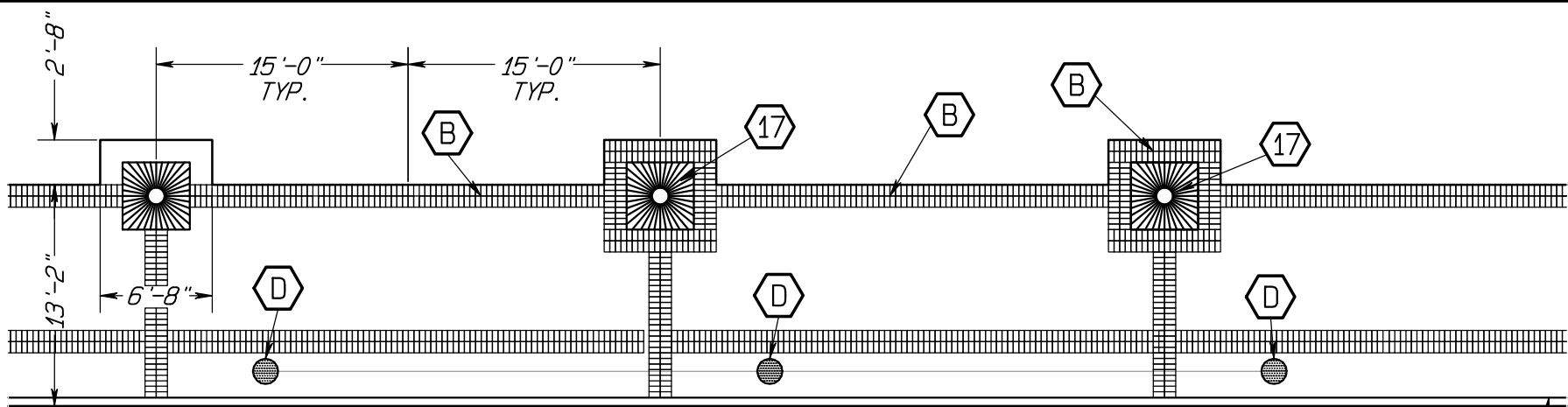
- 19 CONSTRUCT TYPE D1-B A/C BERM & ISLAND (8" HIGH) PER CITY STD. PLAN 104 & DETAIL A, SHT. 2 ... 40 LF
- T9 INSTALL 4" WHITE STRIPE EDGE LINE ALONG ASPHALT BERM PER CALTRANS STD.

Bench Mark:
2" brass disk in top of curb
Stamped "City of Rancho Cucamonga
BM 10041A 2009" at the northwest
corner of Foothill Boulevard &
Archibald Avenue 1.03' westerly
from the end of curb return
on Foothill Boulevard.
Elevation = 1207.700

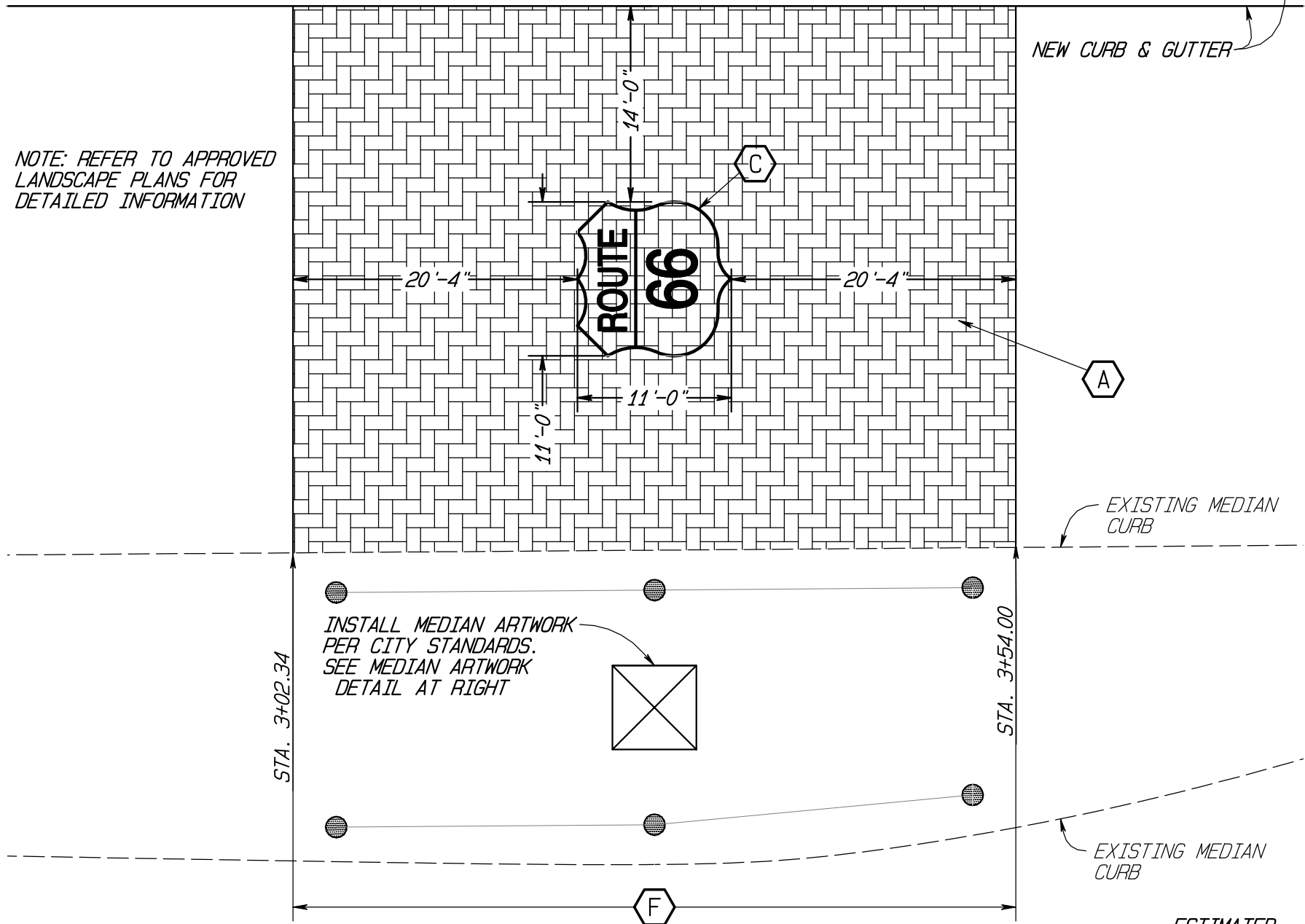
Prepared For:
GAVRIEL SFAEE
537 Ceres Ave.
Los Angeles, CA 90013
PH: (213) 629-5969



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CITY OF RANCHO CUCAMONGA				
STREET IMPROVEMENT PLANS				
FOOTHILL BOULEVARD AND KLUSMAN AVENUE				
DRC 2008-000356				
ROW2014-_____				
APPROVED BY CITY ENGINEER _____		DATE R.C.E. NO.: 53672		
DESIGN		<u>GIRON ENGINEERS INC.</u> 654 S. Glendora Avenue Glendora, CA 91740 (626)335-8782 PH/FAX giron.engineers@verizon.net		
DRAWN		RECOMMENDED		
CHECKED		SHEET 2 OF 3		
DATE Samuel I. Giron RCE 27886		DRAWING NO.		
FILE NO.				



NOTE: REFER TO APPROVED LANDSCAPE PLANS FOR DETAILED INFORMATION

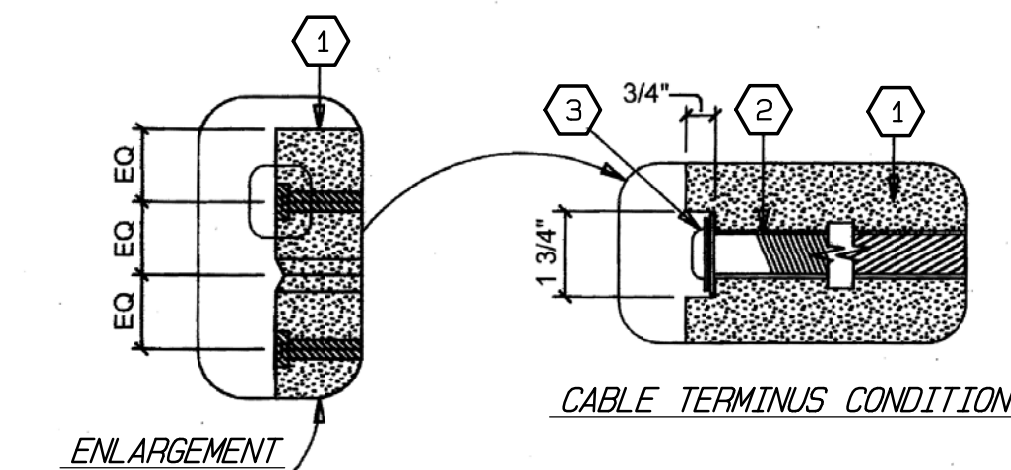


LEGEND:

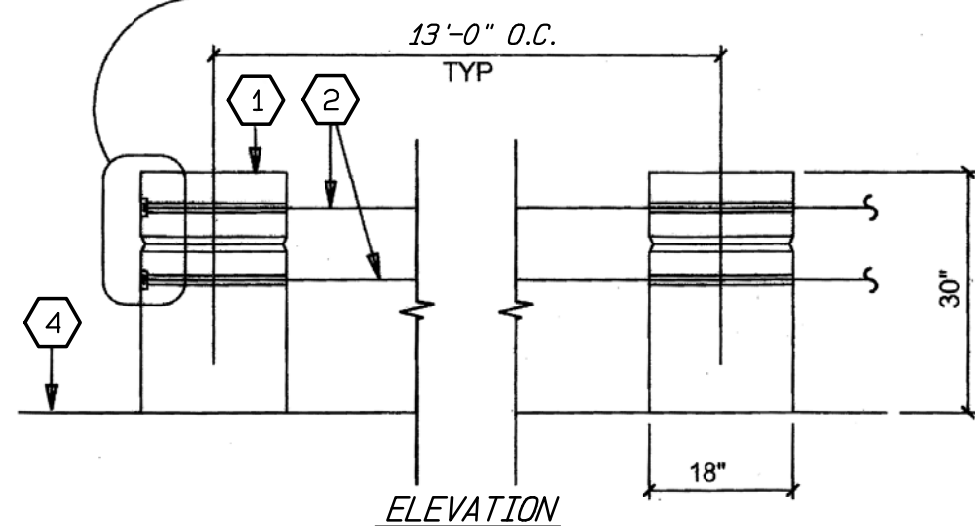
- | | | |
|---|---|---------|
| A | PROVIDE STREETPRINT ASPHALT IMPRINT (HERRINGBONE PATTERN, TERRA COTTA COLOR) BY SHARIDEN DESIGN ASPHALT, (619) 443-3611. (SEE NOTE HEREON) | 2010 SF |
| B | INSTALL 16" WIDE BRICK BAND PER DETAIL HEREON. PAVER TYPE AND COLOR TO MATCH ADJACENT PROJECTS ALONG FOOTHILL BOULEVARD. CONTRACTOR TO SUBMIT SAMPLES TO CITY FOR APPROVAL. | 185 LF |
| C | INSTALL ROUTE 66 LOGO IMPRINT (WHITE) BY SHARIDEN DESIGN ASPHALT (SEE NOTE HEREON) | 1 EA. |
| D | INSTALL PRECAST CONCRETE BOLLARD AND STAINLESS STEEL CABLE PER DETAIL HEREON | 3 EA |
| E | CONSTRUCT TREE WELL WITH GRATE, PER TREE GRATE DETAIL, HEREON | 24 EA |
| F | REMOVE EXISTING TREES AND LANDSCAPING WITHIN THE MEDIAN ARTWORK AREA AND REVISE IRRIGATION SYSTEM AND RELATED ITEMS TO THE SATISFACTION OF THE CITY ENGINEER (SEE DRAWING 1696, REVISION 1) | |

ROUTE 66 LOGO DETAIL

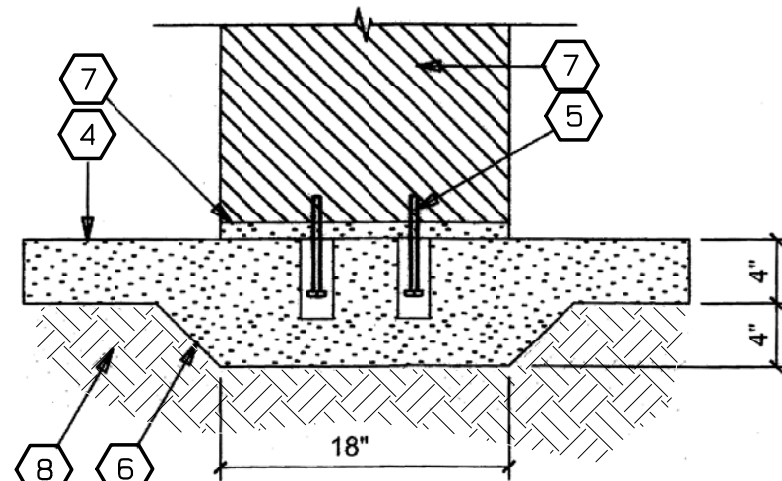
SCALE: 1"=10'



CABLE TERMINUS CONDITION



ELEVATION

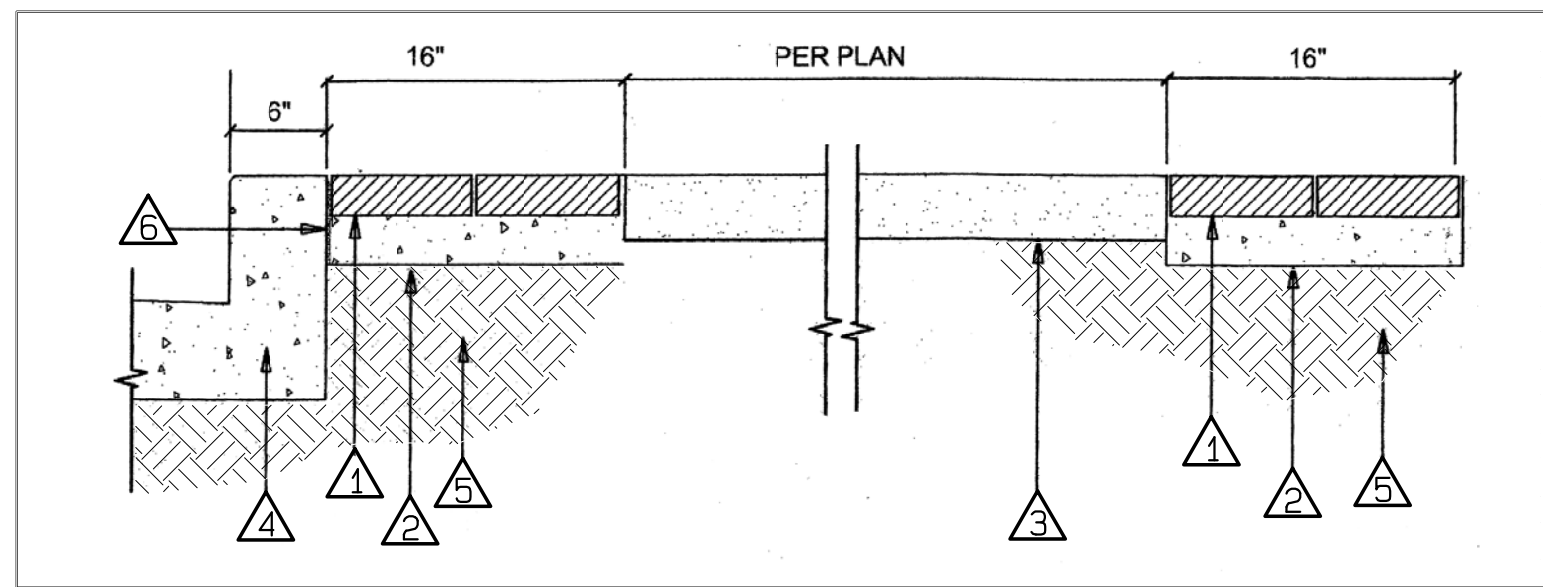


FOOTING/INSTALLATION

LEGEND:

- | | |
|---|---|
| 1 | PRECAST CONCRETE BOLLARD #GR-688, TEXTURE TO BE T-2, COLOR TO BE C-1 NATURAL. AVAILABLE FROM QUICK CRETE PRODUCTS. TEL: (951)737-9240 (OR APPROVED EQUAL) |
| 2 | 1/2" DIA. STAINLESS STEEL CABLE. CABLE TO HAVE A MAX. OF 4" DEFLECTION (OR SAG) BETWEEN BOLLARD SPANS. CONTRACTOR TO PROVIDE APPROPRIATELY SIZED PVC INSET SLEEVE ON ALL BOLLARDS. PROVIDE 1 3/4" WIDE X 3/4" DEEP COUNTERSINK ON OUTER SIDE OF END BOLLARDS. |
| 3 | CABLE END: CONTRACTOR TO TERMINATE THE CABLE ENDS WITH SURFACE MOUNT 'HIDE A THREAD' TOP HAT CABLE SYSTEM AND (2) 1-1/2" STAINLESS STEEL WASHERS, CABLE WASHERS AND TOP HAT SYSTEM AVAILABLE THROUGH PRECISION CABLE AND SWAGING, TEL: (800) 321-3484 (OR APPROVED EQUAL) |
| 4 | ADJACENT BRICK PAVING SURFACE PER CONSTRUCTION PLAN. |
| 5 | (2) 1/2" DIA. X 6" LONG ANCHOR BOLT EMBEDDED IN 2" DIA. X 5" DEEP GROUT POCKET. |
| 6 | DEEPEMED FOOTING AT BOLLARD. SEE CONSTRUCTION PLAN FOR LOCATIONS |
| 7 | BOLLARD SET ON 1" THICK MORTAR BED. |
| 8 | COMPACTED SUBGRADE |

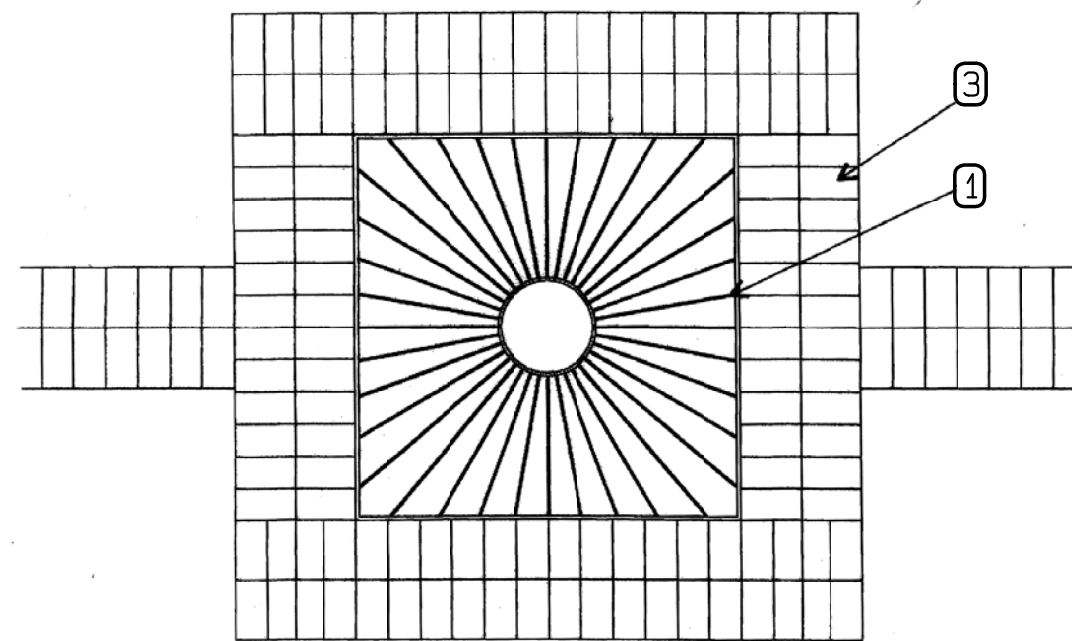
PRECAST CONCRETE BOLLARD WITH CABLE



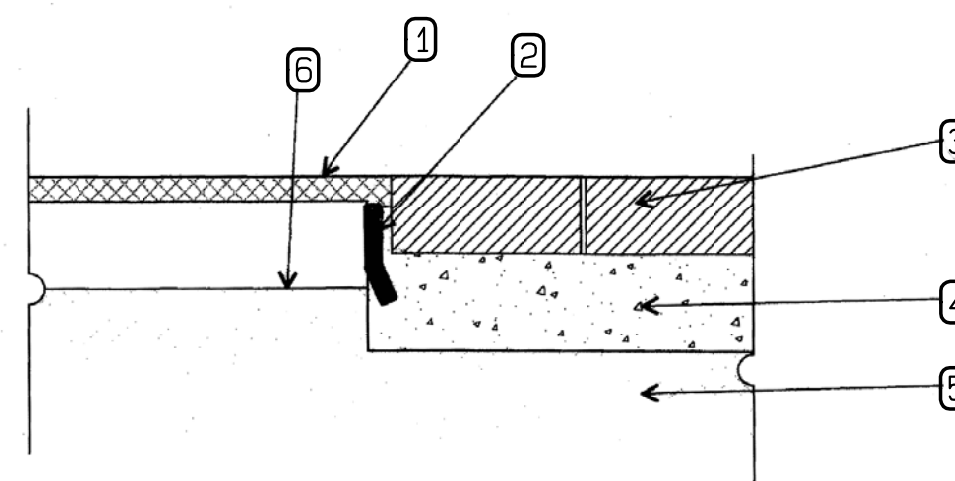
LEGEND:

- | | |
|---|---|
| 1 | 16" WIDE BRICK PAVER BAND. MORTAR IN PLACE |
| 2 | 3" THICK CONCRETE SETTING BASE BELOW BRICK BAND |
| 3 | 4" THICK CONCRETE WALKWAY |
| 4 | ADJACENT CONCRETE CURB AND GUTTER |
| 5 | 90% COMPACTED SUBGRADE, OR PER SOILS REPORT |
| 6 | EXPANSION JOINT |

BRICK PAVERS



PLAN VIEW



SECTION

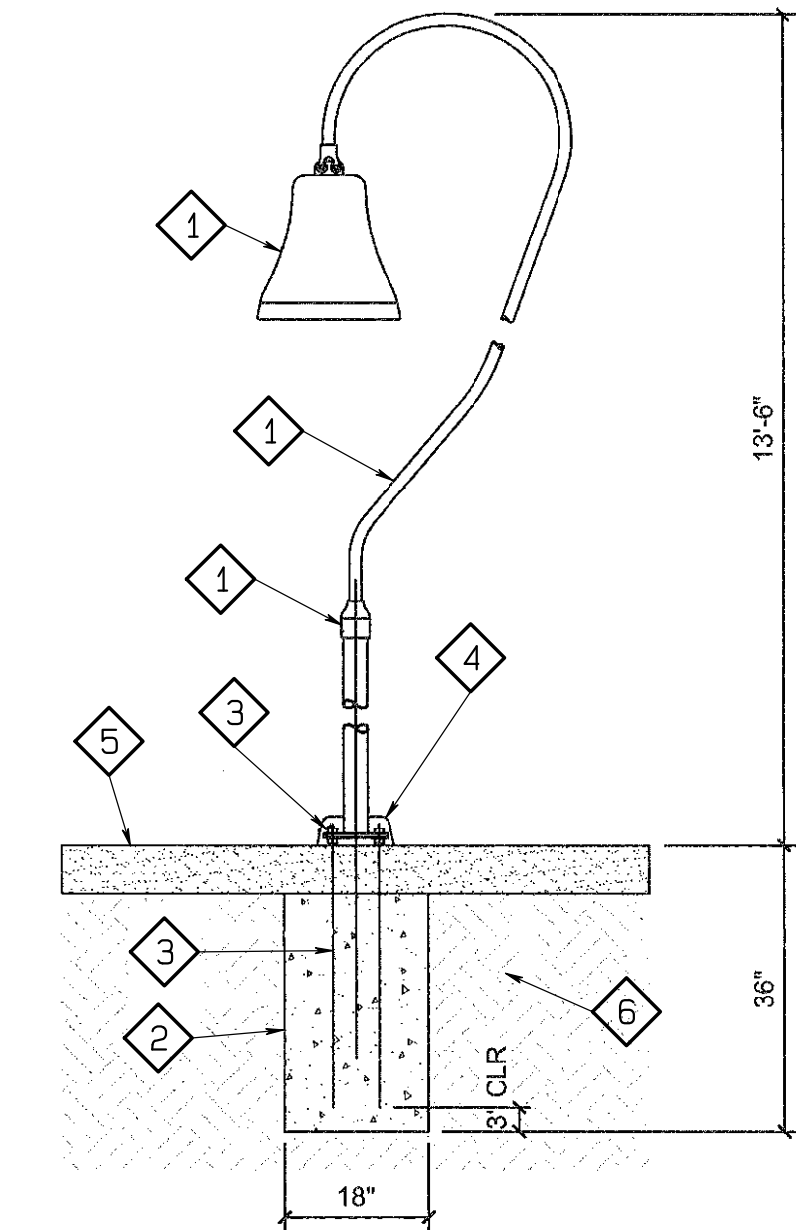
LEGEND:

- | | |
|---|--|
| 1 | 4" SQ. CAST IRON TREE GRATE PER MCKINLEY MODEL NO. RS 48"X48" (OR APPROVED EQUAL) |
| 2 | ANGLE IRON GRATE EDGE WITH #2 REBAR INTO SUB-SLAB. COORDINATE WITH MCKINLEY FOR ANCHORING DETAILS. (OR APPROVED EQUAL) |
| 3 | 16" WIDE BRICK PAVER BAND |
| 4 | 3" THICK CONCRETE SETTING BASE |
| 5 | NATIVE SOIL COMPACTED TO 90% |
| 6 | FINISH GRADE INSIDE TREE WELL |

TREE GRATES

STREETPRINT NOTES:

PLACE HIGH PERFORMANCE PAVEMENT TEXTURING SYSTEM AND LOGOTHERM THERMOPLASTIC PAVEMENT MARKING (STREETPRINT PAVEMENT TEXTURING AND DECORATIVE ASPHALT SOLUTION). APPROVED MATERIALS AND COLORANT SHALL BE APPLIED BY AN AUTHORIZED STREETPRINT APPLICATOR AS LICENSED BY INTEGRATED PAVING CONCEPTS INC. ALL WORK SHALL BE PERFORMED AND PLACED IN ACCORDANCE WITH STREETPRINT SPECIFICATIONS.



LEGEND:

- | | |
|---|---|
| 1 | PRECAST METAL BELL WITH POST, PIPING AND CONNECTIONS. OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS |
| 2 | CONCRETE FOOTING |
| 3 | THREADED RODS WITH ANCHOR PLATE AND LEVELING NUTS PER MANUFACTURER |
| 4 | ANCHOR PLATE COVER PER MANUFACTURER |
| 5 | ADJACENT PAVING SURFACE PER CONSTRUCTION PLAN |
| 6 | 90% COMPACTED SUBGRADE, OR PER SOIL REPORT |

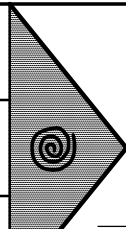
MEDIAN ARTWORK

Bench Mark:
2" brass disk in top of curb
Stamped 'City of Rancho Cucamonga
BM 10041A 2009' at the northwest
corner of Foothill Boulevard &
Archibald Avenue 1.03' westerly
from the end of curb return
on Foothill Boulevard.
Elevation = 1207.700

Prepared For:

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CITY OF RANCHO CUCAMONGA			
ROUTE 66 ACTIVITY CENTER HARDSCAPE AND PAVEMENT PER DETAILS FOOTHILL BOULEVARD DRC 2008-000356 ROW2014-_____			
APPROVED BY CITY ENGINEER			DATE R.C.E. NO.: 53672
DESIGN	 <u>GIRON ENGINEERS, INC.</u> 654 S. Glendora Avenue Glendora, CA 91740 (626)335-6786 info@gironengineers.com www.gironengineers.com		RECOMMENDED
DRAWN			SHEET 3 OF 3
CHECKED	Samuel I. Giron RCE 27886 DATE FILE NO.		DRAWING NO.